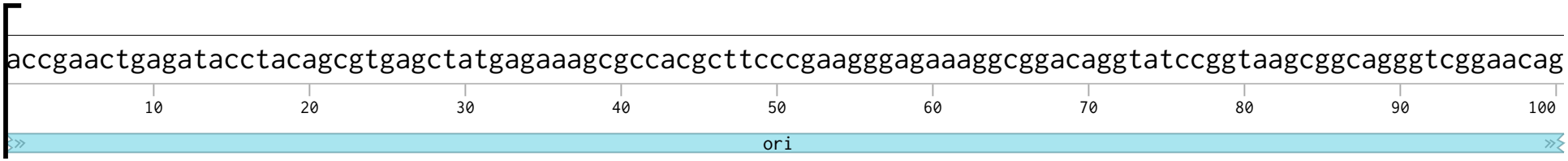
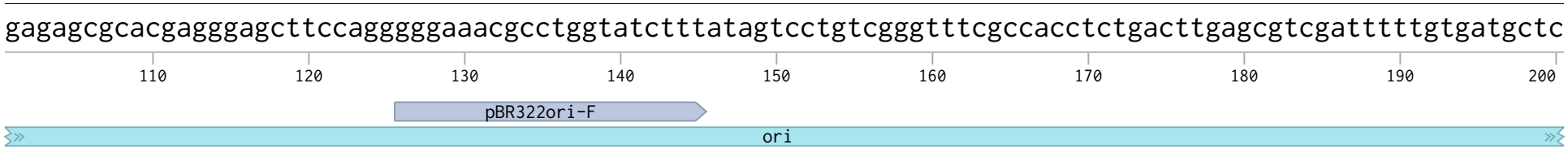
Template Alignment: 2020-11-13_D01_ASAS01ASP1



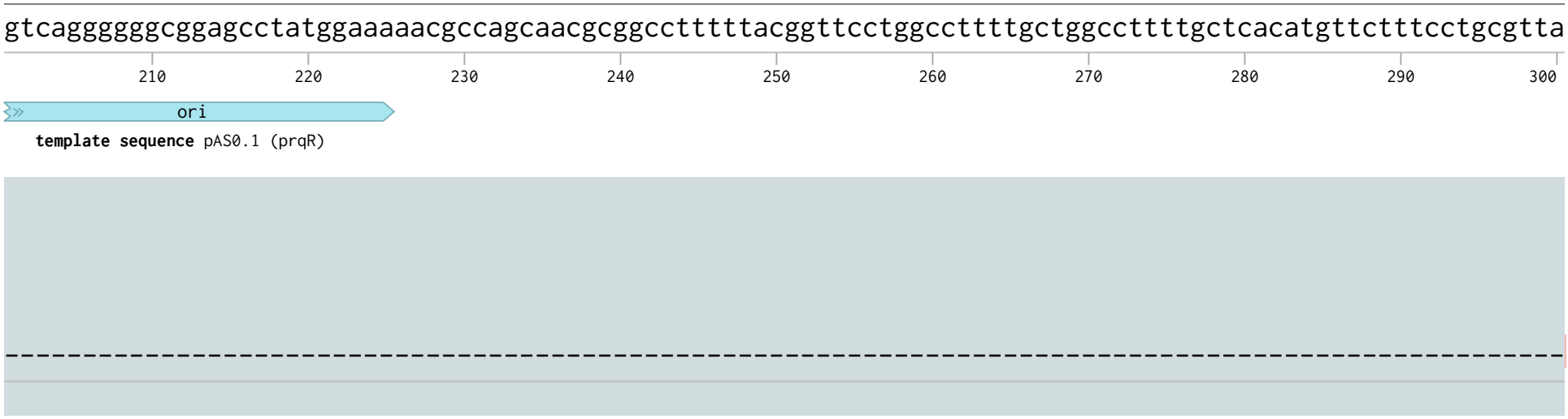
template sequence pAS0.1 (prqR)

aligned sequence 2020-11-13_D01_ASAS01ASP1



template sequence pAS0.1 (prqR)

aligned sequence 2020-11-13_D01_ASAS01ASP1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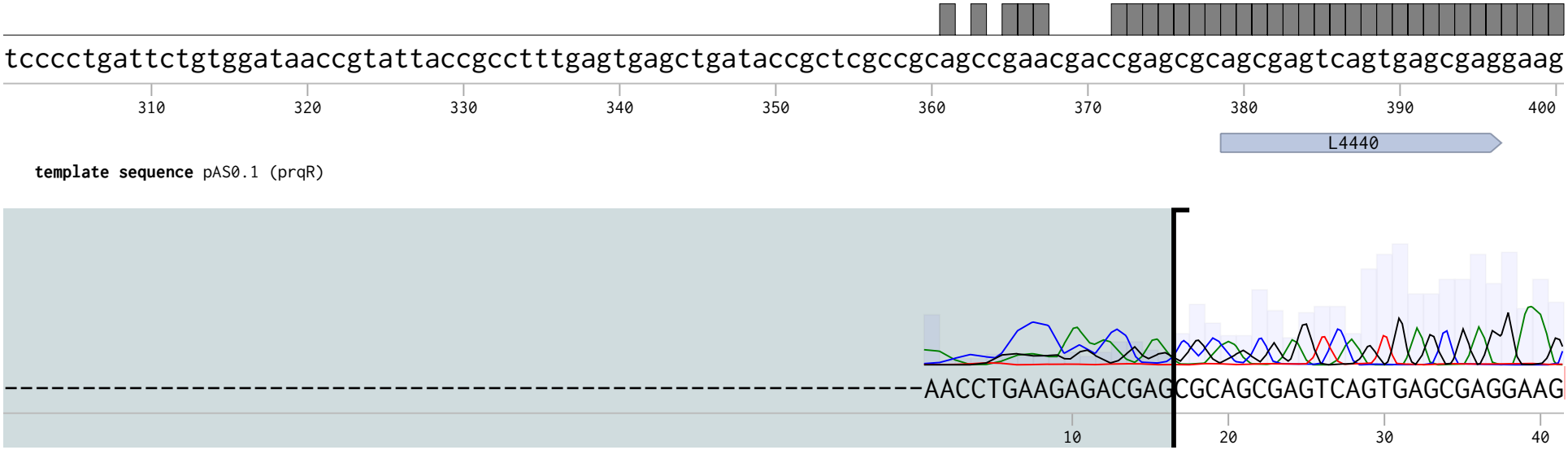
ori
template sequence pAS0.1 (prqR)
aligned sequence 2020-11-13_D01_ASAS01ASP1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320
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350
360
370
380
390
400
L4440
template sequence pAS0.1 (prqR)
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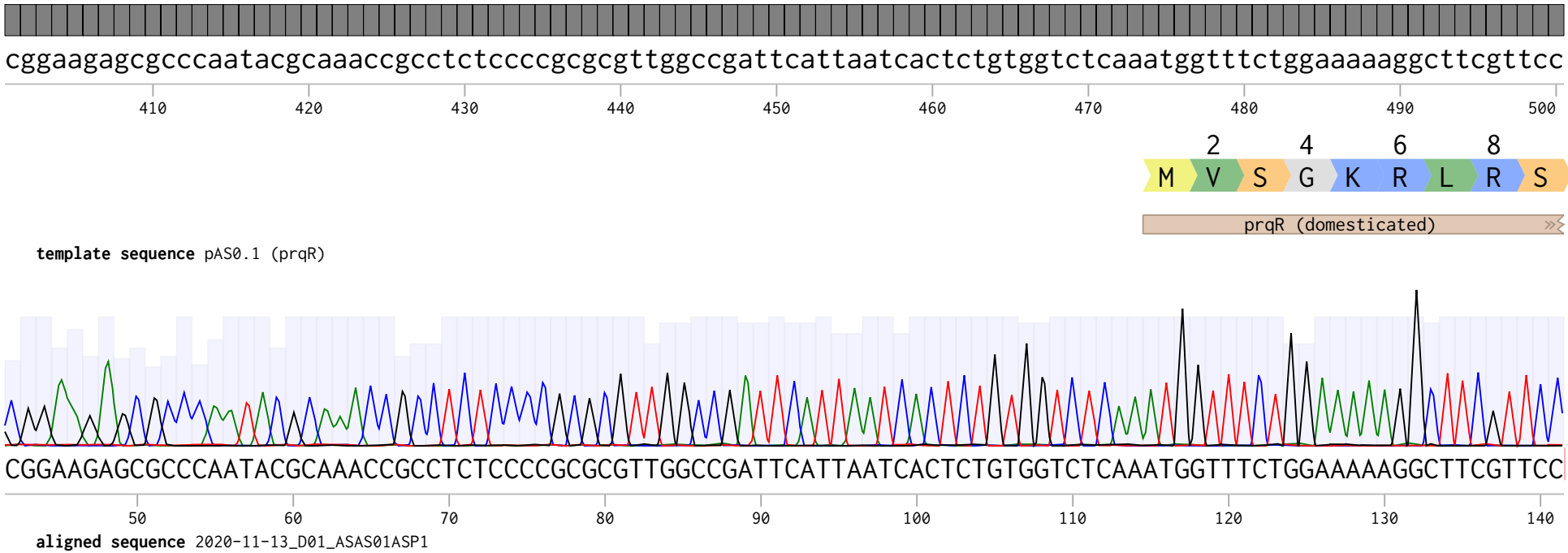
20
30
40
aligned sequence 2020-11-13_D01_ASAS01ASP1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420
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440
450
460
470
480
490
500
2
4
6
8
M
V
S
G
K
R
L
R
S
prqR (domesticated)
template sequence pAS0.1 (prqR)
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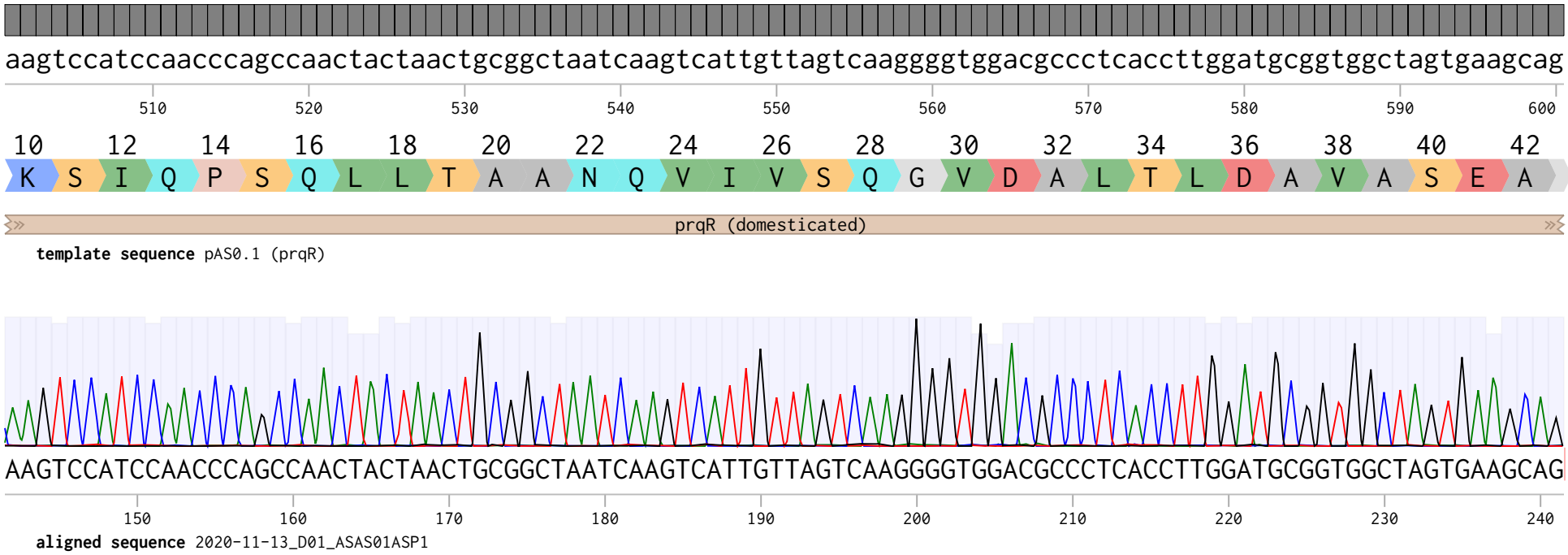
aligned sequence 2020-11-13_D01_ASAS01ASP1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10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42
K S I Q P S Q L L T A A N Q V I V S Q G V D A L T L D A V A S E A
prqR (domesticated)
template sequence pAS0.1 (prqR)
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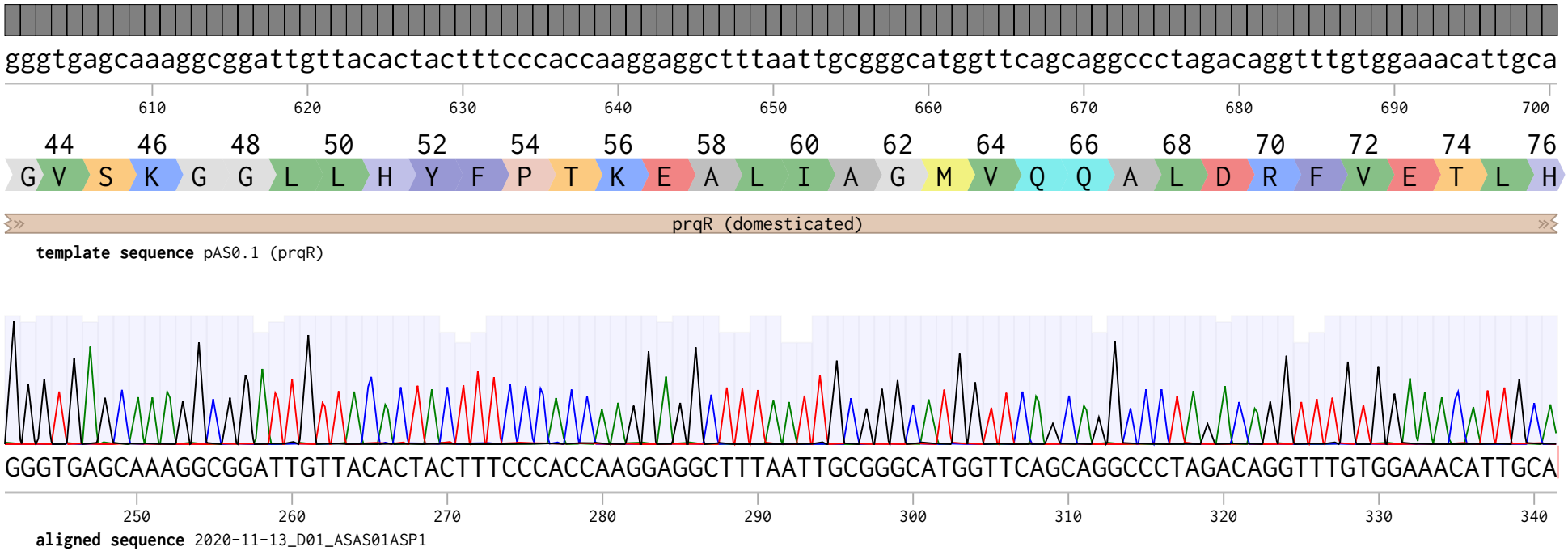
aligned sequence 2020-11-13_D01_ASAS01ASP1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44 46 48 50 52 54 56 58 60 62 64 66 68 70 72 74 76
G V S K G G L L H Y F P T K E A L I A G M V Q Q A L D R F V E T L H
prqR (domesticated)
template sequence pAS0.1 (prqR)
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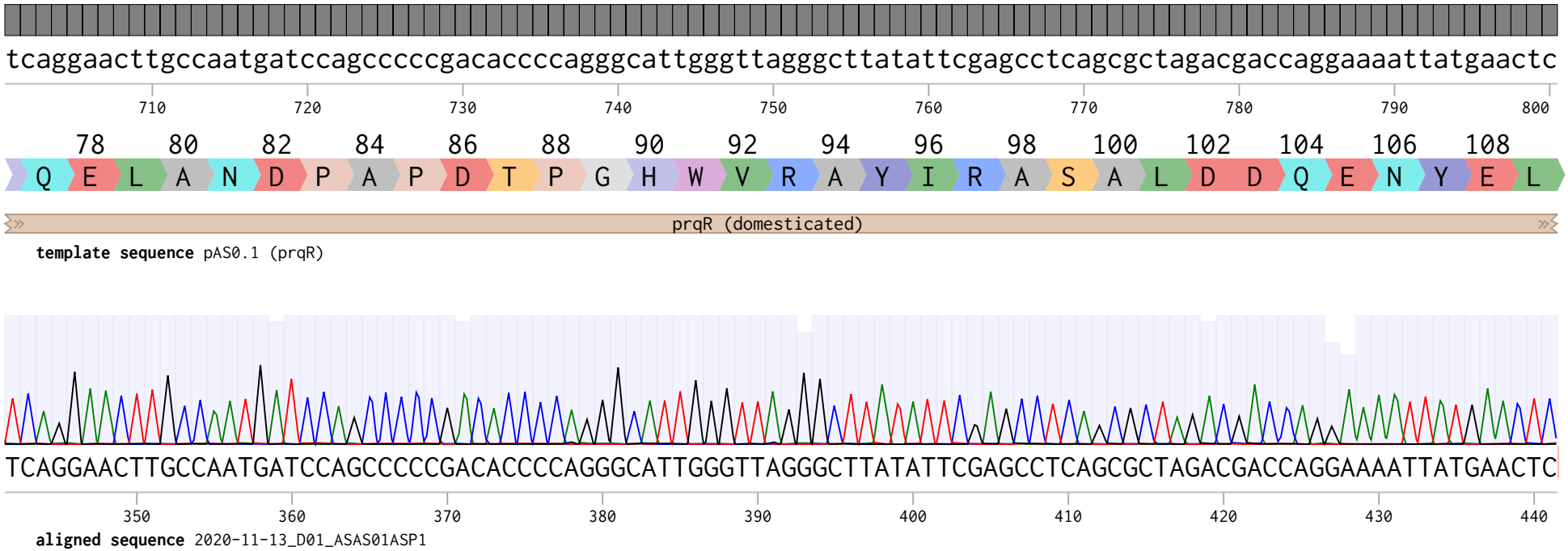
aligned sequence 2020-11-13_D01_ASAS01ASP1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78 80 82 84 86 88 90 92 94 96 98 100 102 104 106 108
Q E L A N D P A P D T P G H W V R A Y I R A S A L D D Q E N Y E L
prqR (domesticated)
template sequence pAS0.1 (prqR)
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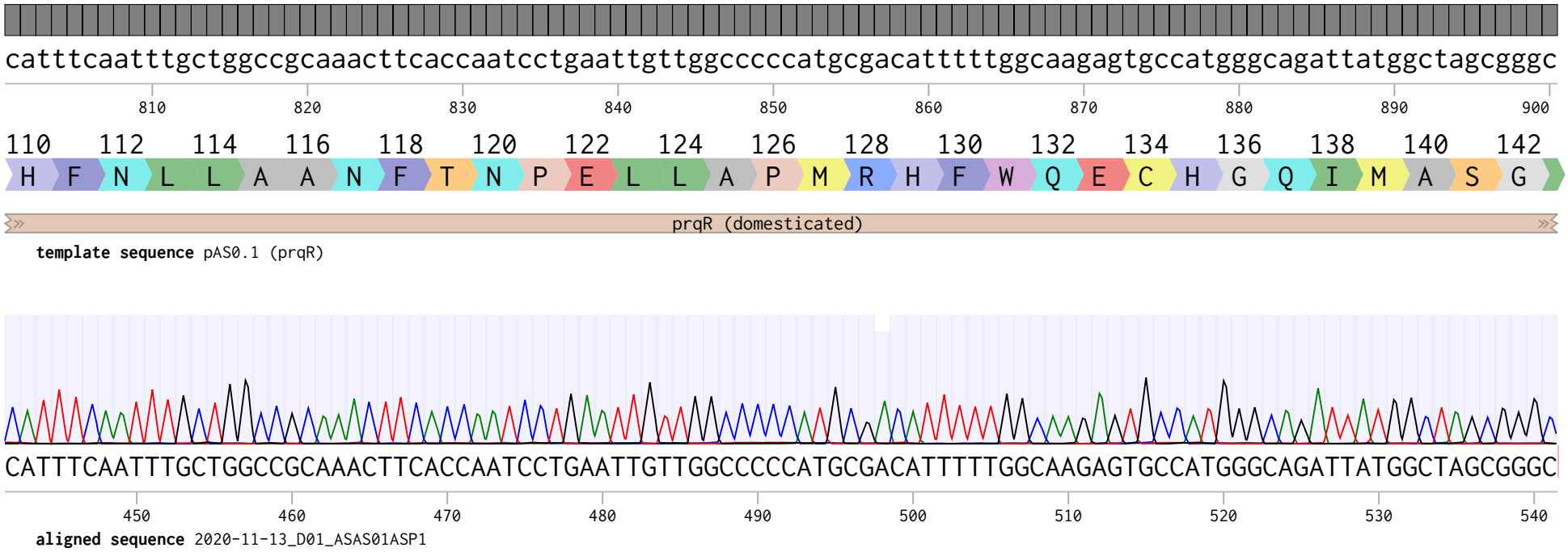
aligned sequence 2020-11-13_D01_ASAS01ASP1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110 112 114 116 118 120 122 124 126 128 130 132 134 136 138 140 142
H F N L L A A N F T N P E L L A P M R H F W Q E C H G Q I M A S G
prqR (domesticated)
template sequence pAS0.1 (prqR)
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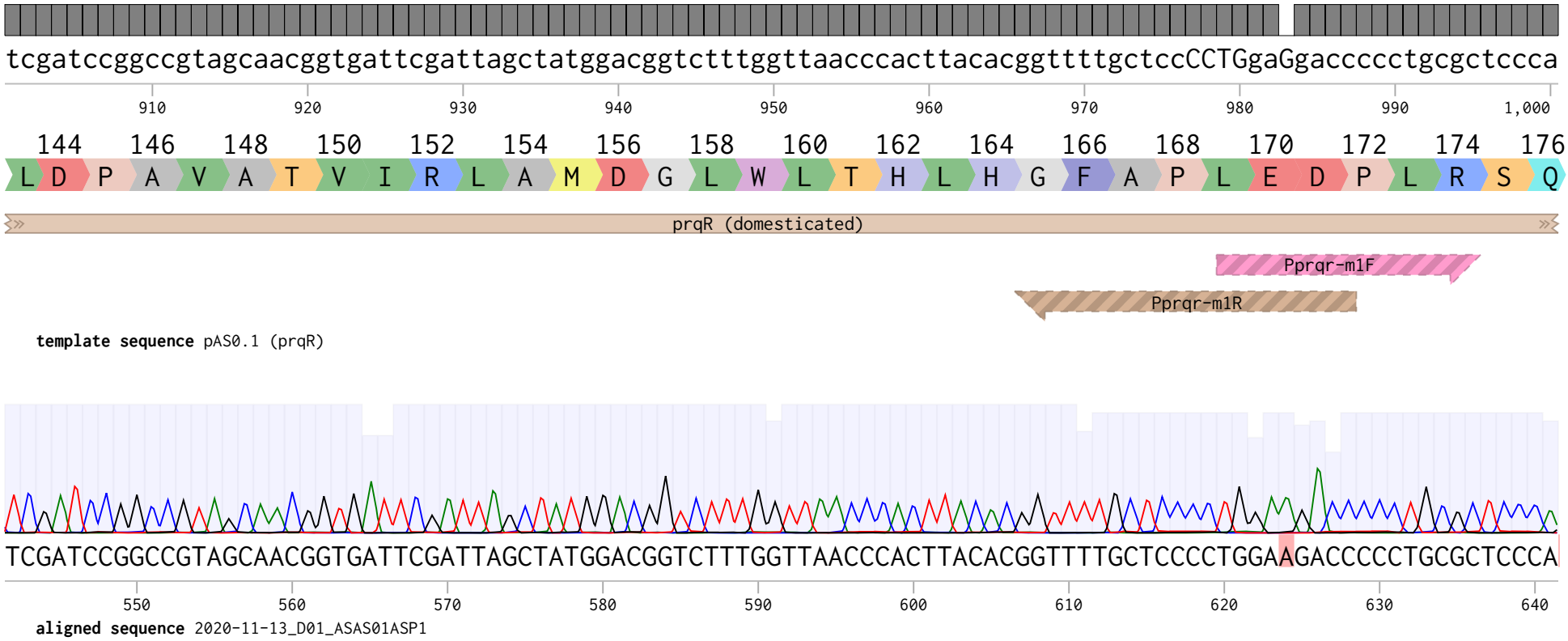
aligned sequence 2020-11-13_D01_ASAS01ASP1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970
980
990
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144 146 148 150 152 154 156 158 160 162 164 166 168 170 172 174 176
L D P A V A T V I R L A M D G L W L T H L H G F A P L E D P L R S Q
prqR (domesticated)
Pprqr-m1F
Pprqr-m1R
template sequence pAS0.1 (prqR)
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560
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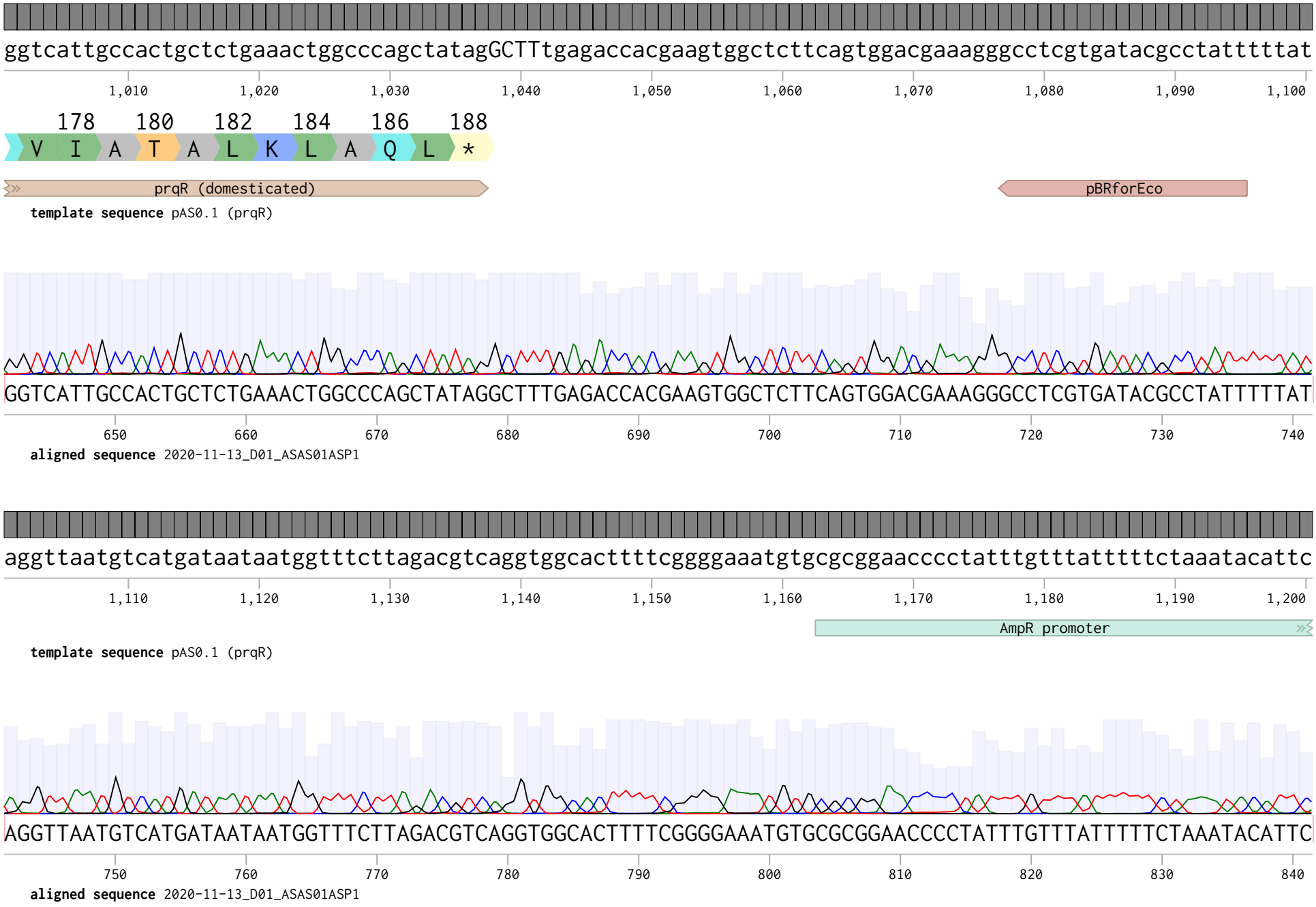
620
630
640
aligned sequence 2020-11-13_D01_ASAS01ASP1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1,010 1,020 1,030 1,040 1,050 1,060 1,070 1,080 1,090 1,100
178 180 182 184 186 188
V I A T A L K L A Q L *
prqR (domesticated)
pBRforEco
template sequence pAS0.1 (prqR)
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650 660 670 680 690 700 710 720 730 740
aligned sequence 2020-11-13_D01_ASAS01ASP1
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1,110 1,120 1,130 1,140 1,150 1,160 1,170 1,180 1,190 1,200
AmpR promoter
template sequence pAS0.1 (prqR)
AGGTTAATGTCATGATAATAATGGTTTCTTAGACGTCAGGTGGCACTTTTCGGGGAAATGTGCGCGGAACCCCTATTTGTTTATTTTTCTAAATACATTC
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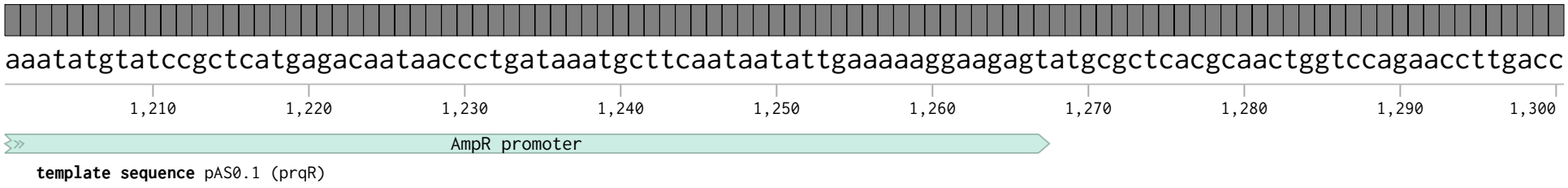
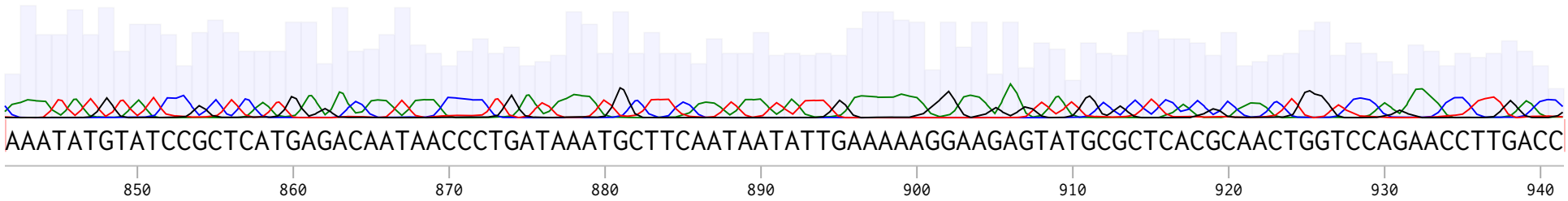
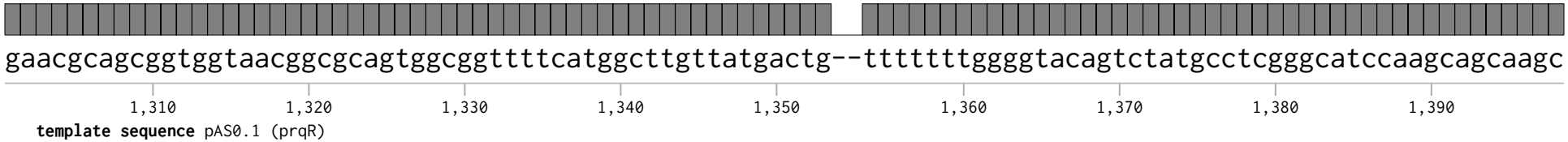
aligned sequence 2020-11-13_D01_ASAS01ASP1



template sequence pAS0.1 (prqR)



aligned sequence 2020-11-13_D01_ASAS01ASP1



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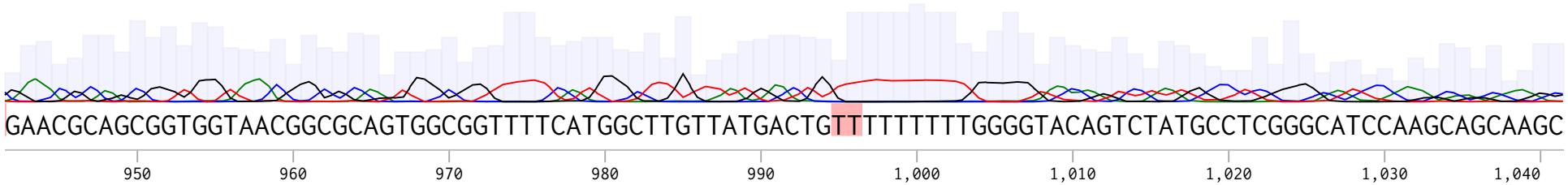

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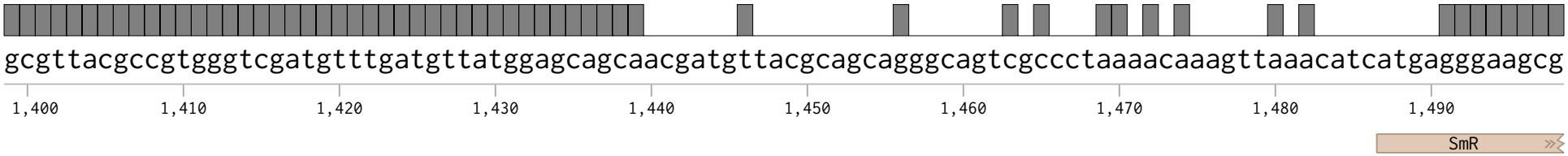

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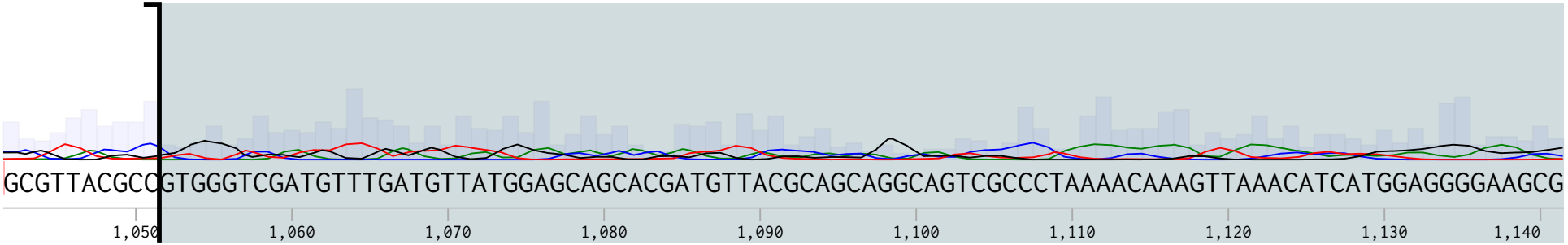

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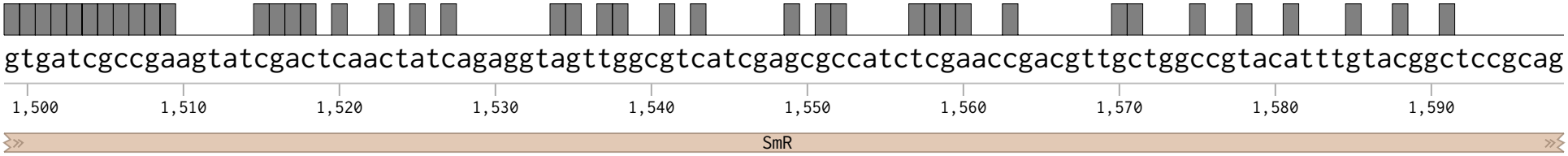

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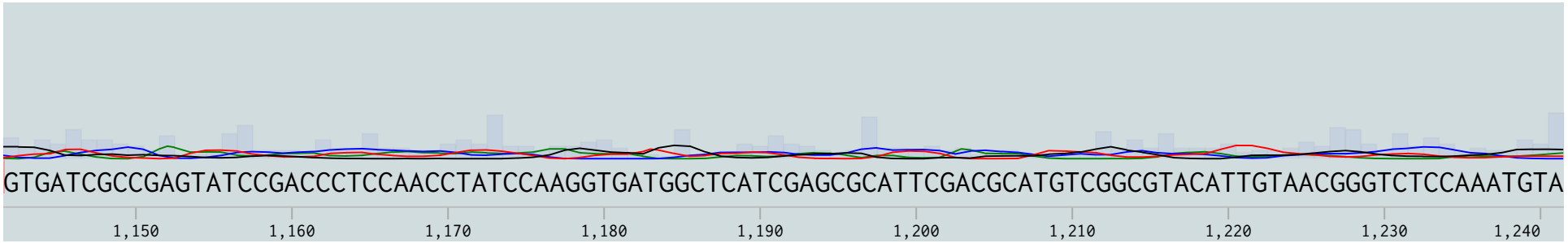

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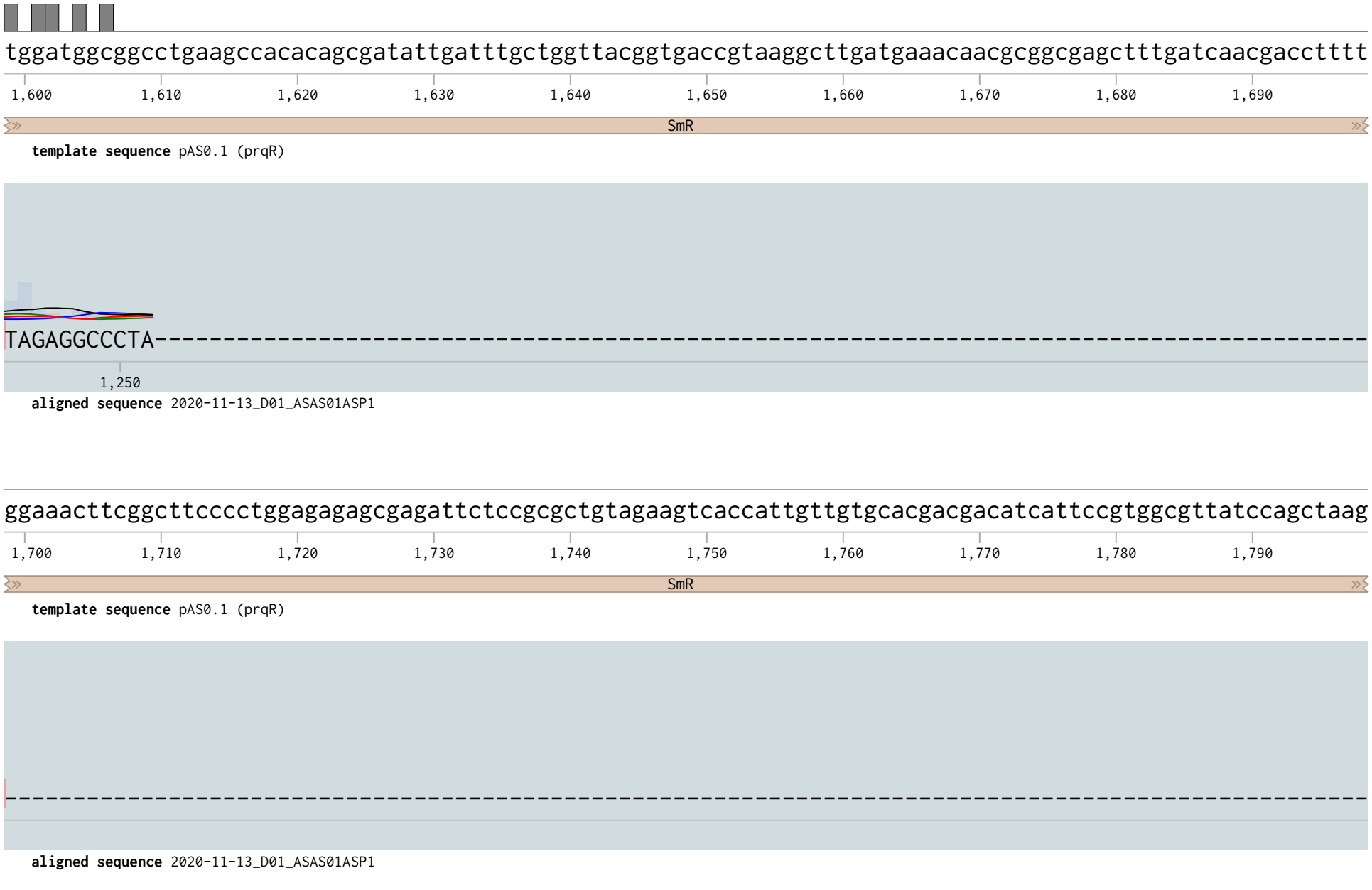
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1,630
1,640
1,650
1,660
1,670
1,680
1,690
SmR
template sequence pAS0.1 (prqR)
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1,250
aligned sequence 2020-11-13_D01_ASAS01ASP1
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1,700
1,710
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1,730
1,740
1,750
1,760
1,770
1,780
1,790
SmR
template sequence pAS0.1 (prqR)
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aligned sequence 2020-11-13_D01_ASAS01ASP1

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1,800 1,810 1,820 1,830 1,840 1,850 1,860 1,870 1,880 1,890

SmR

template sequence pAS0.1 (prqR)

aligned sequence 2020-11-13_D01_ASAS01ASP1

caagagaacatagcgttgccttggtaggtccagcggcggaggaactctttgatccggttcctgaacaggatctatttgaggcgctaaatgaaaccttaac

1,900 1,910 1,920 1,930 1,940 1,950 1,960 1,970 1,980 1,990

SmR

template sequence pAS0.1 (prqR)

aligned sequence 2020-11-13_D01_ASAS01ASP1

gctatggaactcgccgcccgactgggctggcgatgagcgaaatgtagtgcttacgttgtcccgcatttggtacagcgcagtaaccggcaaaatcgcgccg

2,000 2,010 2,020 2,030 2,040 2,050 2,060 2,070 2,080 2,090

SmR

template sequence pAS0.1 (prqR)

aligned sequence 2020-11-13_D01_ASAS01ASP1

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2,100 2,110 2,120 2,130 2,140 2,150 2,160 2,170 2,180 2,190

SmR

template sequence pAS0.1 (prqR)

aligned sequence 2020-11-13_D01_ASAS01ASP1

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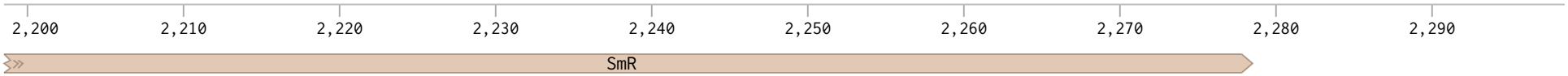

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aligned sequence 2020-11-13_D01_ASAS01ASP1

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template sequence pAS0.1 (prqR)

aligned sequence 2020-11-13_D01_ASAS01ASP1

ttttcgttccactgagcgtcagaccccgtagaaaagatcaaaggatcttcttgagatccttttttctgcgcgtaatctgctgcttgcaaacaaaaaaac

2,400 2,410 2,420 2,430 2,440 2,450 2,460 2,470 2,480 2,490

ori

template sequence pAS0.1 (prqR)

aligned sequence 2020-11-13_D01_ASAS01ASP1

caccgctaccagcggtggtttgtttgccggatcaagagctaccaactcttttccgaaggtaactggcttcagcagagcgcagataccaaatactgtcct

2,500 2,510 2,520 2,530 2,540 2,550 2,560 2,570 2,580 2,590

ori

template sequence pAS0.1 (prqR)

aligned sequence 2020-11-13_D01_ASAS01ASP1

tctagtgtagccgtagttaggccaccacttcaagaactctgtagcaccgcctacatacctcgctctgctaatcctgttaccagtggctgctgccagtggc

2,600 2,610 2,620 2,630 2,640 2,650 2,660 2,670 2,680 2,690

ori

template sequence pAS0.1 (prqR)

aligned sequence 2020-11-13_D01_ASAS01ASP1

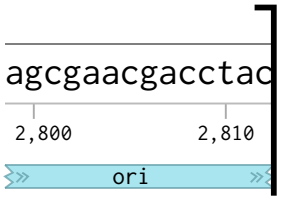
gataagtcgtgtcttaccgggttggactcaagacgatagttaccggataaggcgcagcggtcgggctgaacgggggggttcgtgcacacagcccagcttgg

2,700 2,710 2,720 2,730 2,740 2,750 2,760 2,770 2,780 2,790

ori

template sequence pAS0.1 (prqR)

aligned sequence 2020-11-13_D01_ASAS01ASP1



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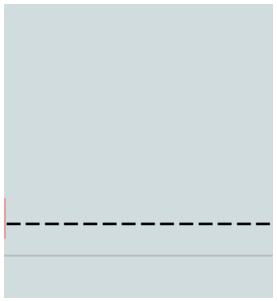

aligned sequence 2020-11-13_D01_ASAS01ASP1