

Template Alignment: 2020-07-30_E11_ASPAS8SP1 (2020-07-30_E11_A...

gctaccagcgggtggtttgtttgccggatcaagagctaccaactctttttccgaaggtaactggcttcagcagagcgcagataccaaatactgtccttcta

10 20 30 40 50 60 70 80 90 100

rep (pMB1)

ColE1 origin

template sequence pAS0.8

aligned sequence 2020-07-30_E11_ASPAS8SP1 (2020-07-30_E11_ASPAS8SP1.ab1)

gtgtagccgtagttaggccaccacttcaagaactctgtagcacgcctacatacctcgctctgctaatacctgttaccagtggctgctgccagtggcgata

110 120 130 140 150 160 170 180 190 200

rep (pMB1)

ColE1 origin

template sequence pAS0.8

aligned sequence 2020-07-30_E11_ASPAS8SP1 (2020-07-30_E11_ASPAS8SP1.ab1)

agtcgtgtcttaccgggttggactcaagacgatatgaccggataaggcgcagcggtcgggctgaacggggggttcgtgcacacagcccagcttggagcg

210

220

230

240

250

260

270

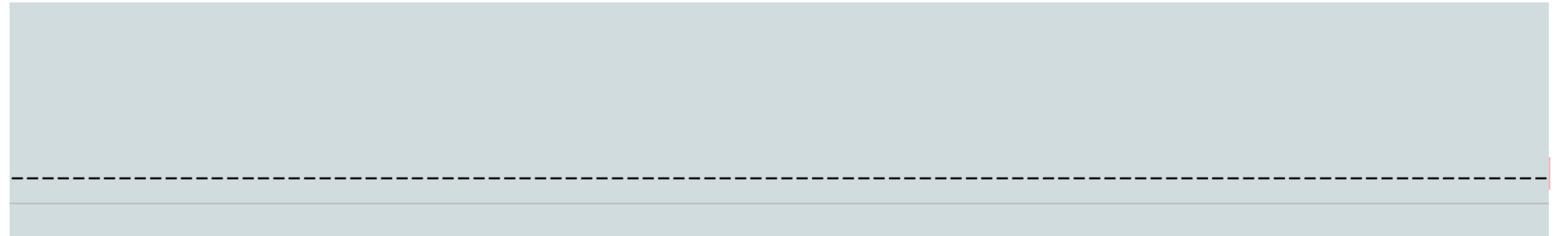
280

290

300

rep (pMB1)
ColE1 origin

template sequence pAS0.8



aligned sequence 2020-07-30_E11_ASPAS8SP1 (2020-07-30_E11_ASPAS8SP1.ab1)

aacgacctacaccgaactgagatacctacagcgtgagctatgagaaagcgccacgcttcccgaaggagaaaggcggacaggtatccggtaagcggcagg

310

320

330

340

350

360

370

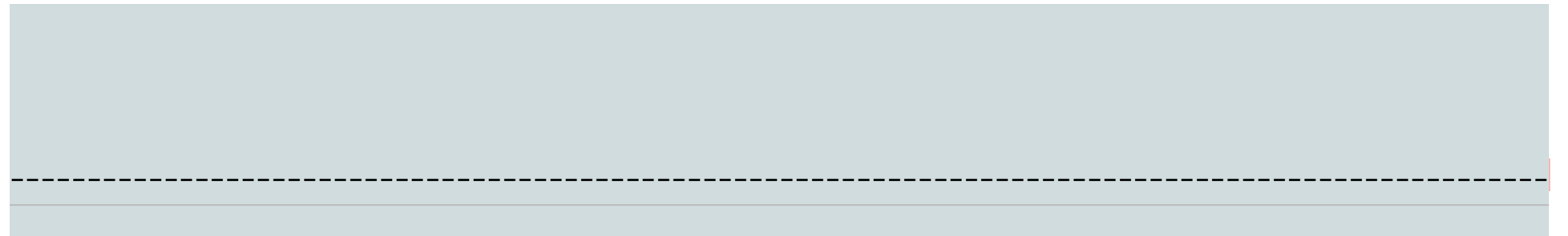
380

390

400

rep (pMB1)
ColE1 origin

template sequence pAS0.8



aligned sequence 2020-07-30_E11_ASPAS8SP1 (2020-07-30_E11_ASPAS8SP1.ab1)

gtcggaacaggagagcgcacgagggagcttccagggggaacgcctggtatctttatagtcctgtcgggtttcgccacctctgacttgagcgtcgatttt

410

420

430

440

450

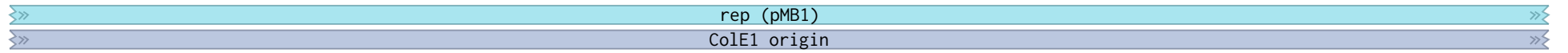
460

470

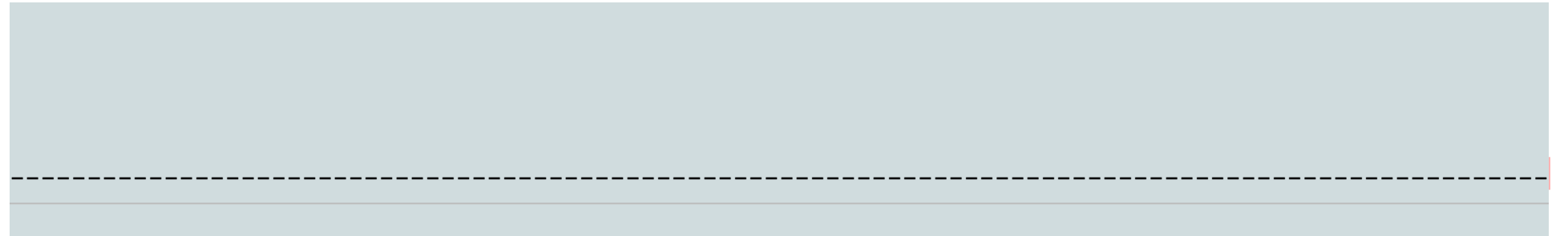
480

490

500



template sequence pAS0.8



aligned sequence 2020-07-30_E11_ASPAS8SP1 (2020-07-30_E11_ASPAS8SP1.ab1)

tgtgatgctcgtcagggggcgaggacctatggaaaaacgccagcaacgcggcctttttacggttcctggccttttgctggccttttgctcacatgttctt

510

520

530

540

550

560

570

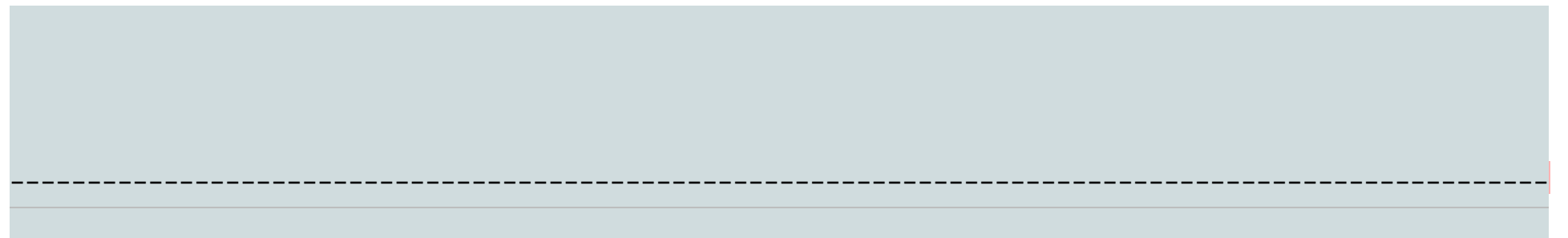
580

590

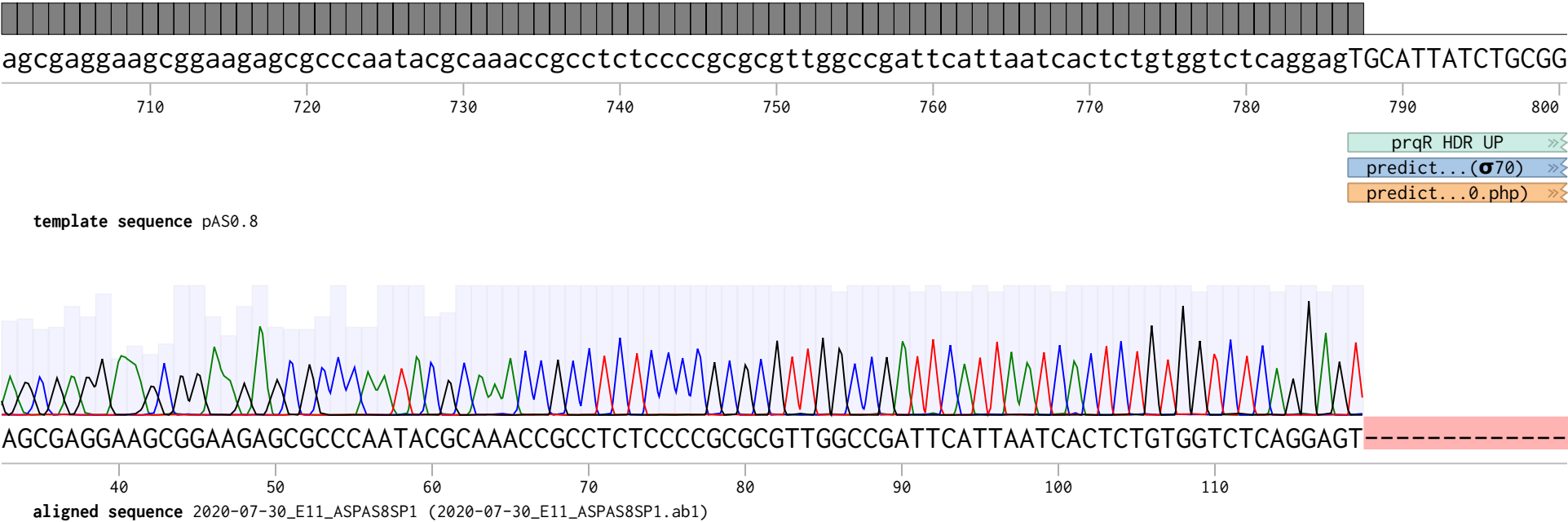
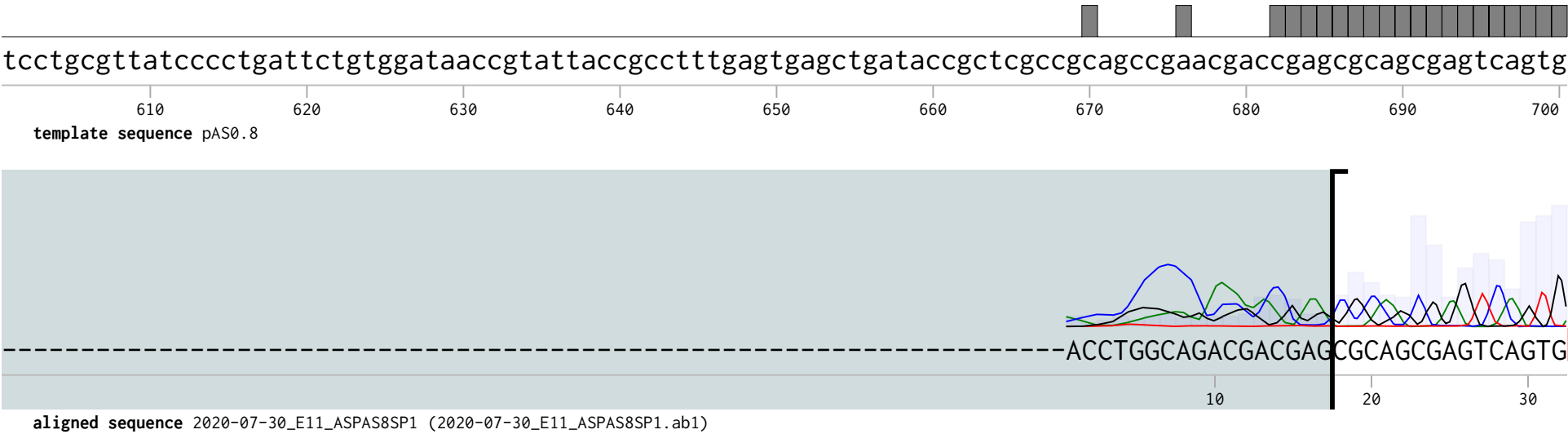
600

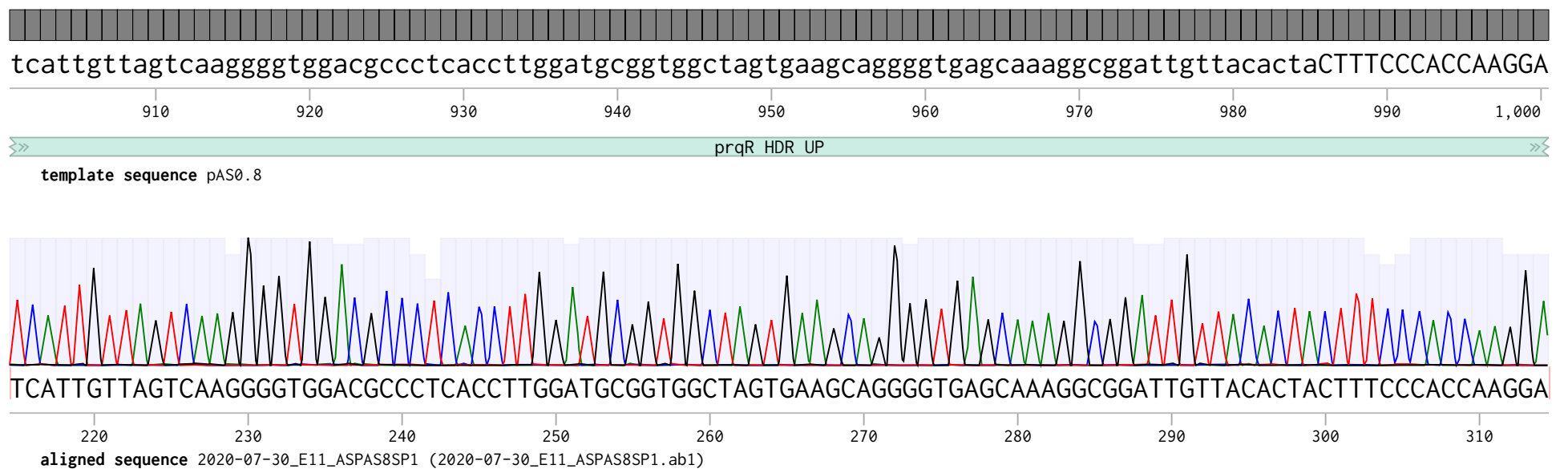
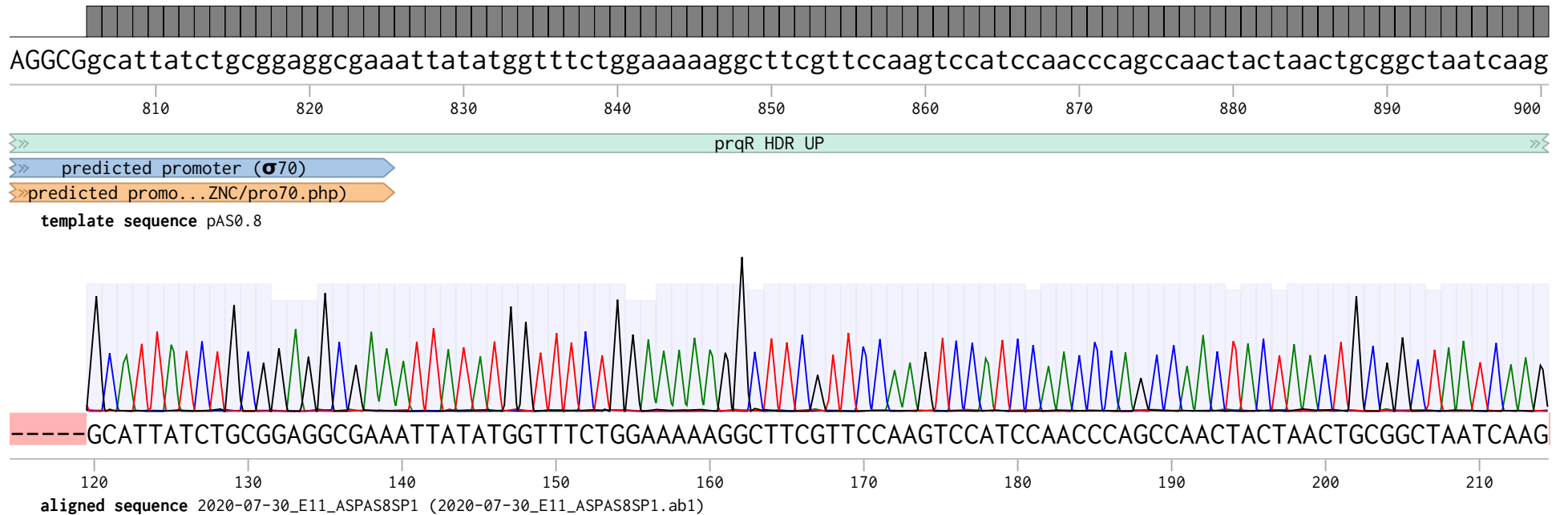


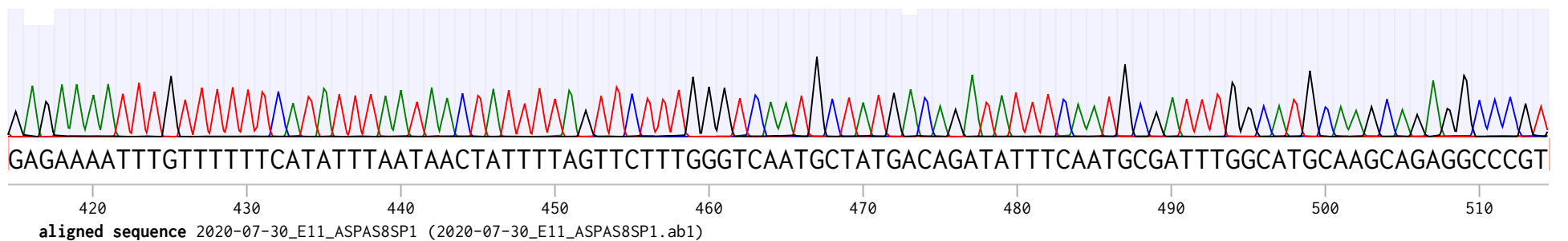
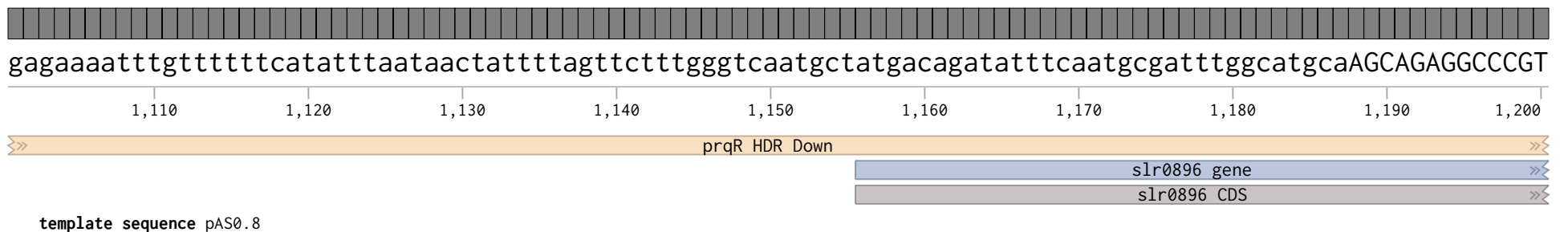
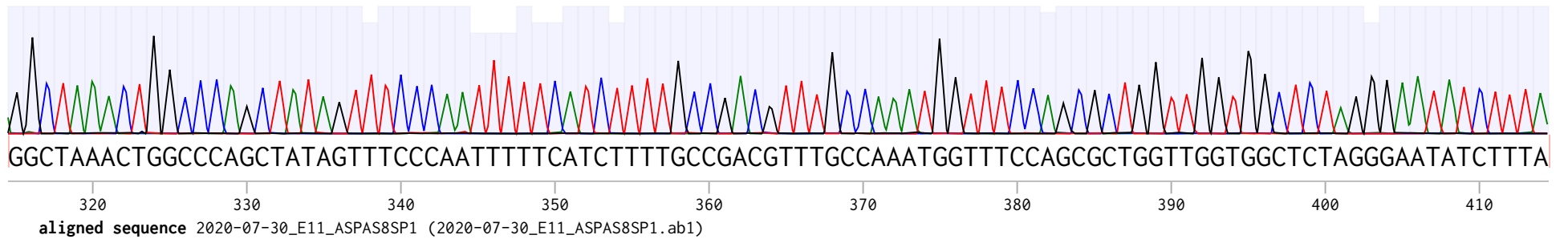
template sequence pAS0.8

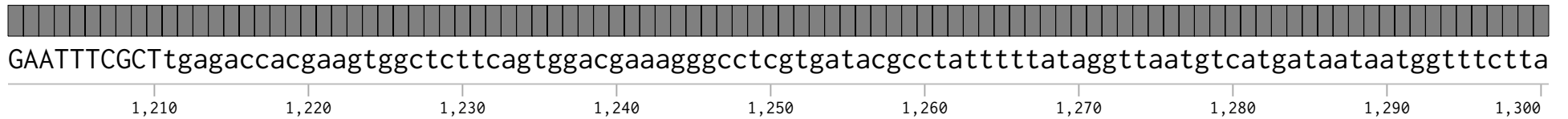


aligned sequence 2020-07-30_E11_ASPAS8SP1 (2020-07-30_E11_ASPAS8SP1.ab1)



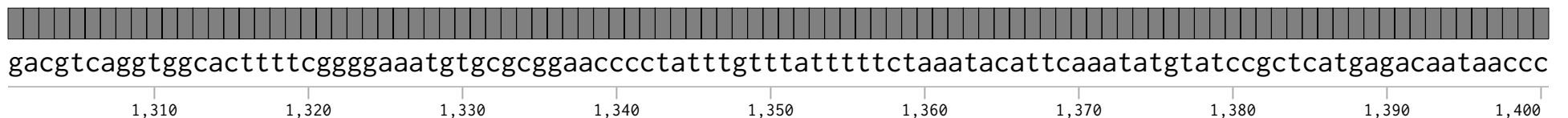
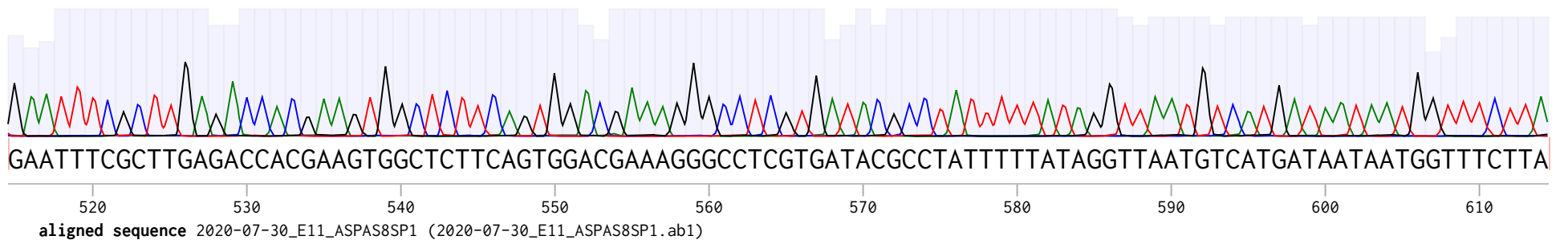




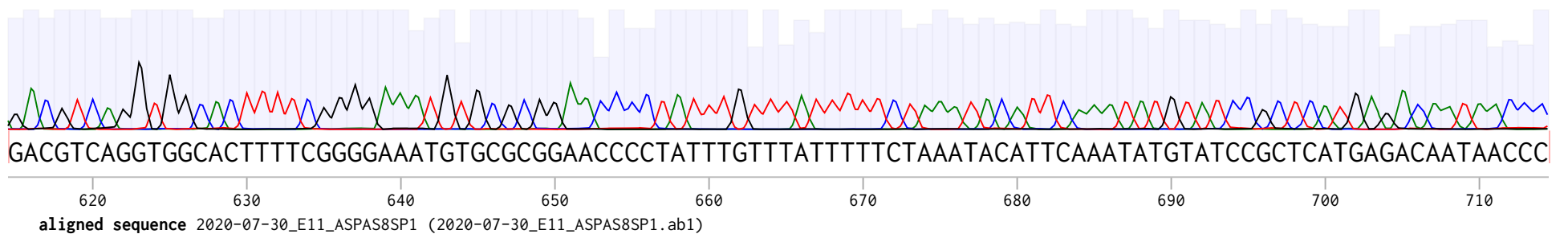


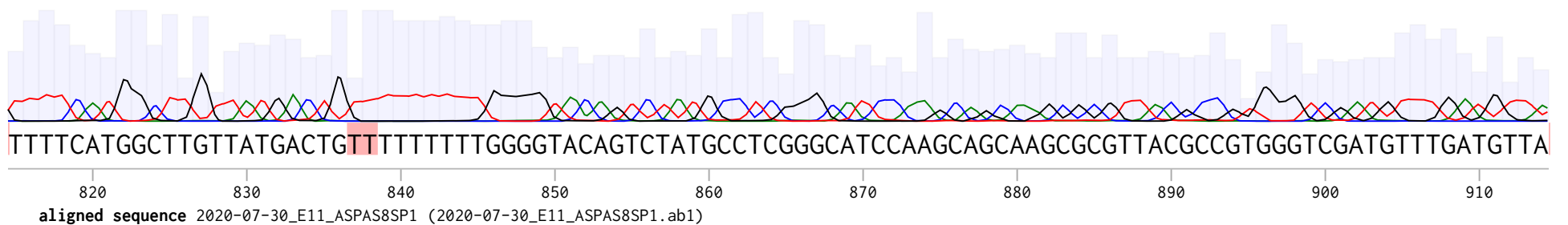
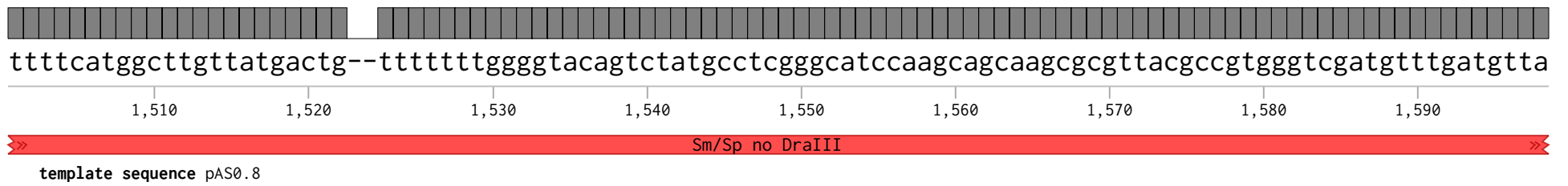
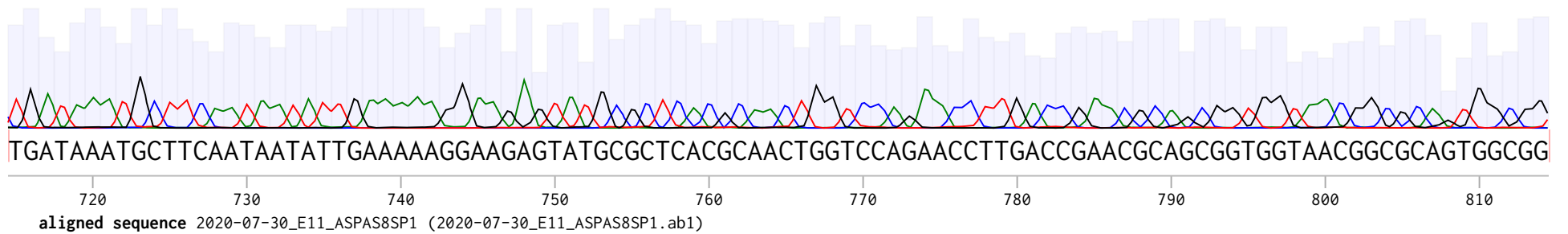
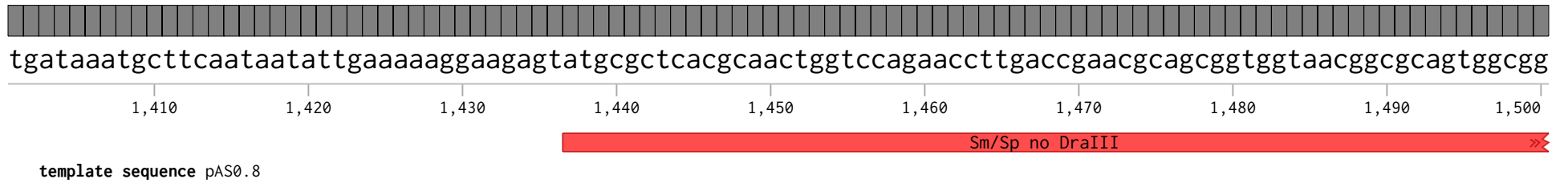
pr...n
sl...e
sl...S

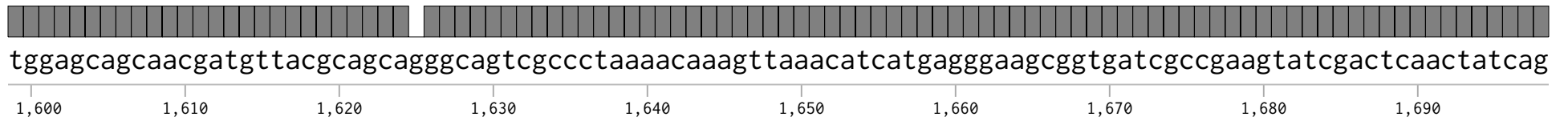
template sequence pAS0.8



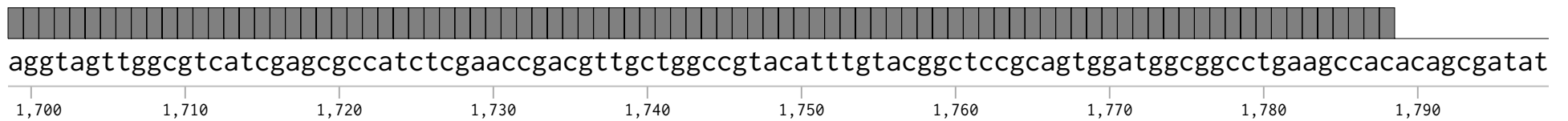
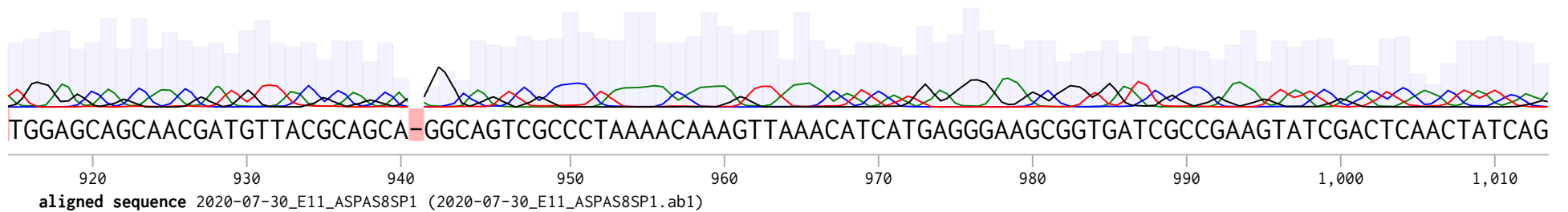
template sequence pAS0.8



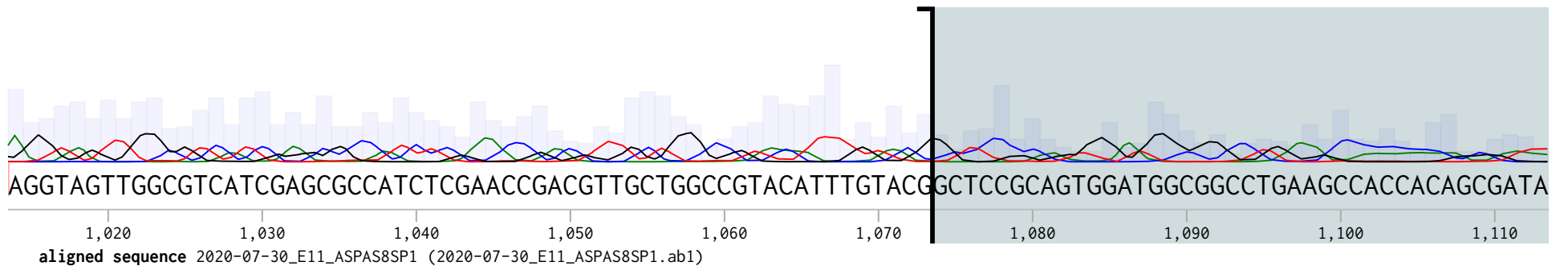


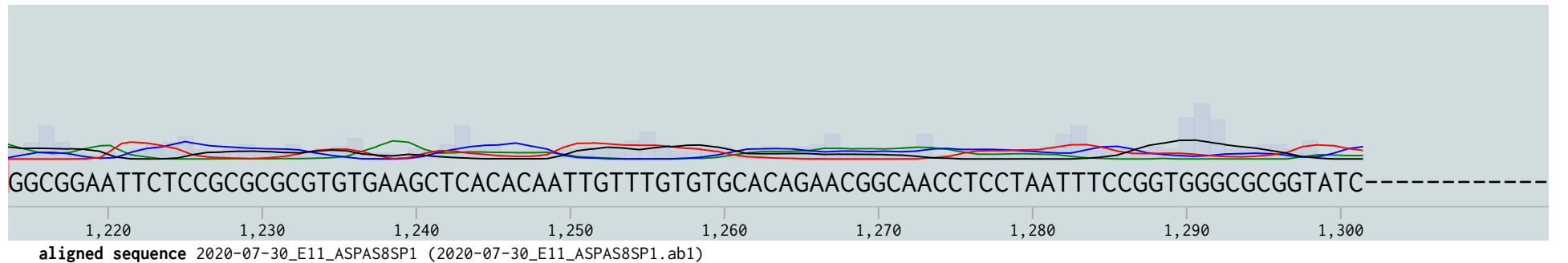
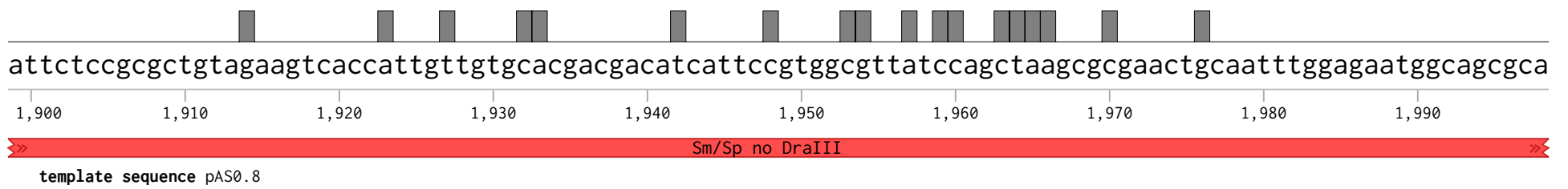
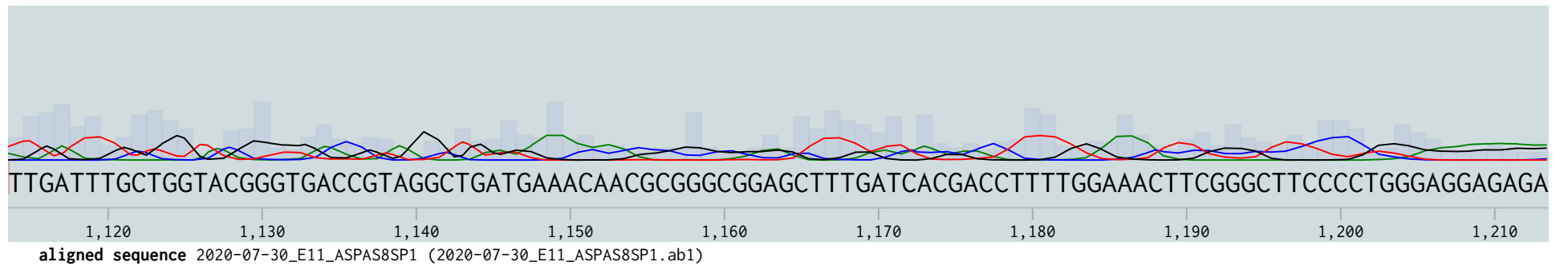
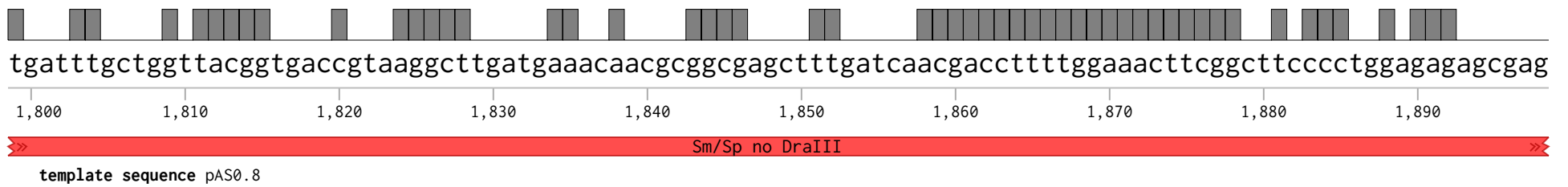


template sequence pAS0.8



template sequence pAS0.8



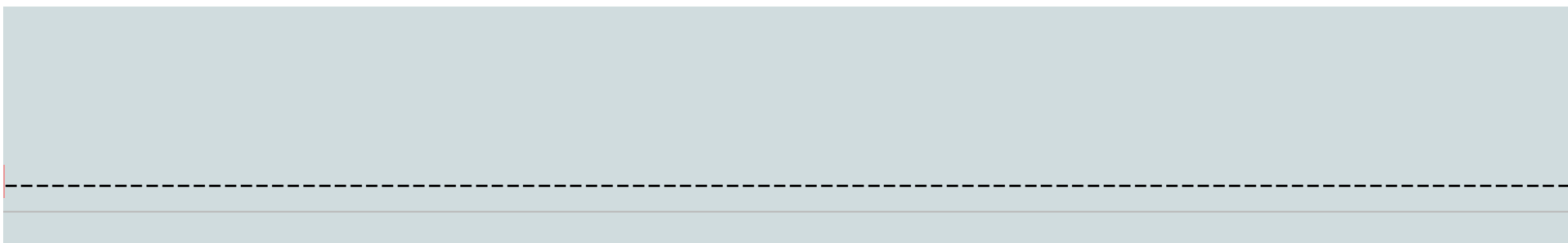


atgacattcttgcaggtatcttcgagccagccacgatcgacattgatctggctatcttgctgacaaaagcaagagaacatagcgttgccttggttaggtcc

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

» Sm/Sp no DraIII »

template sequence pAS0.8

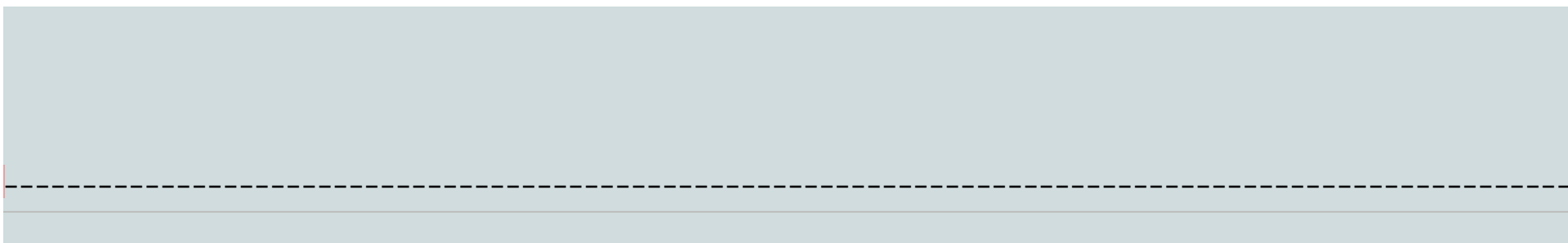


agcggcggaggaactctttgatccggttcctgaacaggatctatttgaggcgctaaatgaaaccttaacgctatgggaactcgccgcccgactgggctggc

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

» Sm/Sp no DraIII »

template sequence pAS0.8



gatgagcgaaatgtagtgcttacgttgtcccgcatTTGGTACAGCGCAGTAACCGGCAAAATCGCGCCGAAGGATGTCGCTGCCGACTGGGCAATGGAGC

2,200 2,210 2,220 2,230 2,240 2,250 2,260 2,270 2,280 2,290

Sm/Sp no DraIII

template sequence pAS0.8

aligned sequence 2020-07-30_E11_ASPAS8SP1 (2020-07-30_E11_ASPAS8SP1.ab1)

gcctgccggcccagtatcagcccgTcatacttgaagctagacaggcttatcttggacaagaagaagatcgcttggcctcgcgcgcatcagttggaaga

2,300 2,310 2,320 2,330 2,340 2,350 2,360 2,370 2,380 2,390

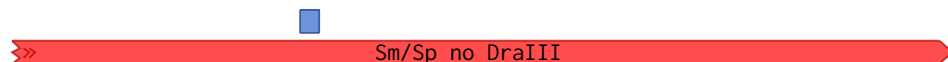
Sm/Sp no DraIII

template sequence pAS0.8

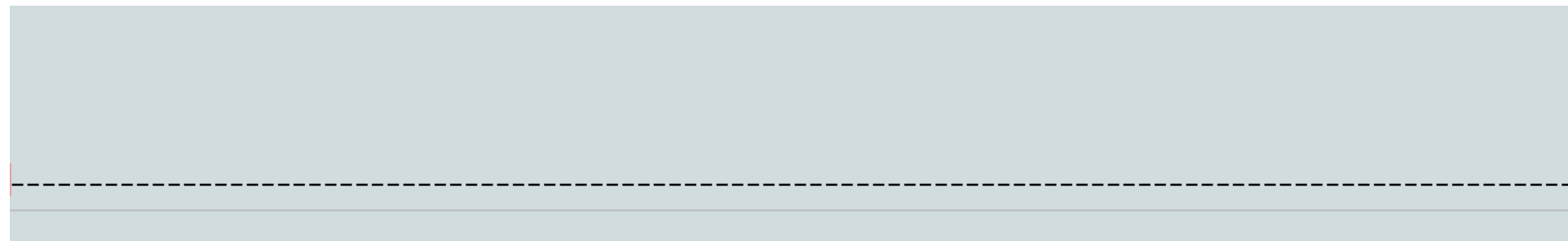
aligned sequence 2020-07-30_E11_ASPAS8SP1 (2020-07-30_E11_ASPAS8SP1.ab1)

atttgtccattacgtaaaaggcgagatcaccaaggtagtcggcaaataactgtcagaccaagtttactcatatatacttttagattgatttaaacttcat

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



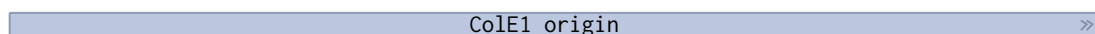
template sequence pAS0.8



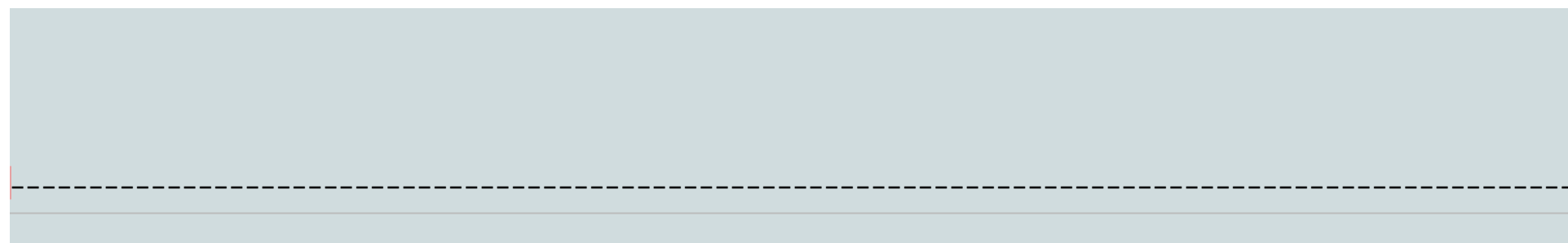
aligned sequence 2020-07-30_E11_ASPAS8SP1 (2020-07-30_E11_ASPAS8SP1.ab1)

ttttaatttaaaggatctaggtgaagatcctttttgataatctcatgaccaaatacccttaacgtgagttttcgttccactgagcgtcagaccccgtag

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



template sequence pAS0.8



aligned sequence 2020-07-30_E11_ASPAS8SP1 (2020-07-30_E11_ASPAS8SP1.ab1)

