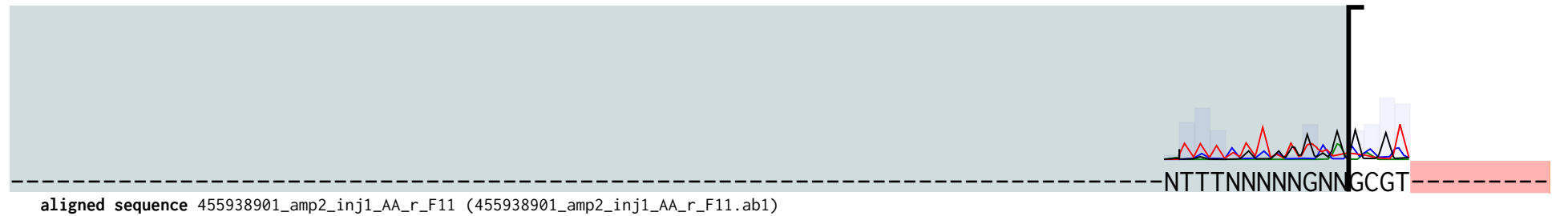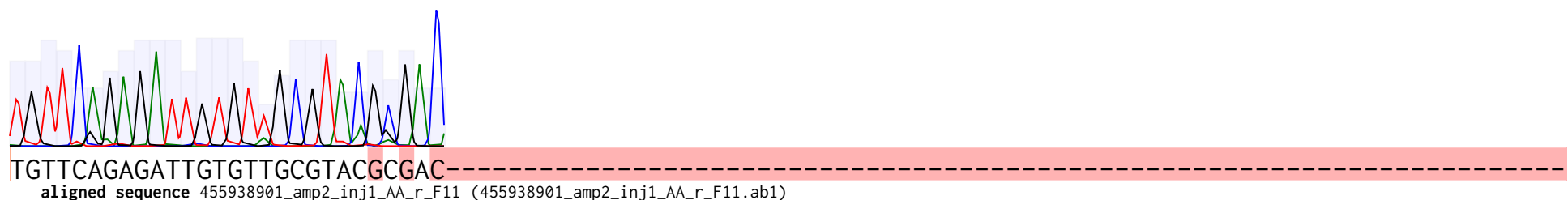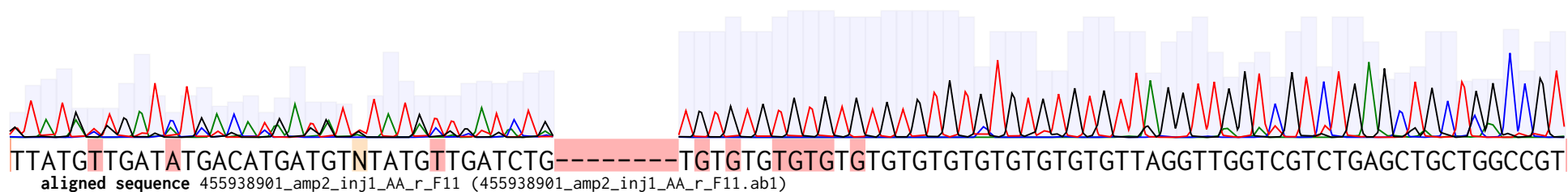# Template Alignment: 455938901_amp2_inj1_AA_r_F11 (455938901_am...

tgttgatcatttgtttcagactgaggattttgagcatgtgtgtgtgttgttcttgctcaggtgtgtttgtgacgaagggcgacatcggcgtcagcaccat

template sequence amp2_inj1

---NTTTNNNNNGNNGCGT--------

aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

catgggttctgctgtctataacctgctgtgcatctgtgcagcgtgcggcctgctgtcctctgcagtgcgtgactacacacacacacacacatgtttgt

READ_A2Inj1_R

template sequence amp2_inj1

---CAGATGTGTATATGAGACAGN

aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

ttatgctgatctgacatgatgtttatgctgatctgacatgatgtttatgctgatctgtgtgtgtgtgtgtgttaggttggtcgtctgagctgctggccgt

AD_f

READ_A2Inj1_R

template sequence amp2_inj1

TTATGTTGATATGACATGATGTNTATGTTGATCTG---------TGTGTGTGTGTGTGTGTGTGTGTGTTAGGTTGGTCGTCTGAGCTGCTGGCCGT

aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

tgttcagagattgtgttgcgtactccatcagtgtcgccgccgtcatcgccatcatctcagataacagagtttactggtgagcctcccatcactcctcact

READ_A2Inj1_R

crRNA_AD

template sequence amp2_inj1

TGTTCAGAGATTGTGTTGCGTACGCGAC--

aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

ttattctctgaatactttgtatctcacagtaatgactgtcaacatttctgatttacttttcactatttagacctttcattttggatttcaaattagttt
template sequence amp2_inj1

----
aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

ttcagttctgacattgttttttattttttacaattttttgaaattttttatttacttttcacagttttgacgtttttttttcccacaaaatttacgttttttttta
template sequence amp2_inj1

----
aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

tttctaaattctgccgttttttaaaacattttatttacttttttacaaaatttacgttttttttcgacgttttttttttttttttattcactttttcacaaaatt
template sequence amp2_inj1

----
aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

catgtttttttaaaaaaattctacattttgacgtttttgaattttttttcatttactttttttttcaatttacatttttaagaattttcacaattttttgttt
template sequence amp2_inj1

----
aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

ttttattgttttatatatttttttacaaaatgtatgtttttttttcaattatctaaatttttttacttatttaatttactttttacaaaatttaaatttttac
template sequence amp2_inj1

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aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

aaatgttcacaattttgacattttttacattctttaatttacttttcacaaaattaaagtttgaagaattttttacaattttgacgttttatattttaatt
template sequence amp2_inj1

----
aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

ttgaattttcataattacaatttttacatttttttatttttaattttcaaagtttttactttttttggaatttctgagttgcttttcataatttcttgt
template sequence amp2_inj1

----
aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

tttttggaatttagaatttacgtaattttgacattttttttattattcgcttttcacagttgtgatgttttctggaactattgaatcttcacaatctttt
template sequence amp2_inj1

----
aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

gatgttttttgaatttcattatttaattttcacaaaatgtacgtttttatgaatgtaacaattttatgtttttttgaaatttgtaattttcacaattttg
template sequence amp2_inj1

----
aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

acggtttttttattatttaaatgttttttttattttttaaatatgttcgttttttcttagatcagttttatgagtttgtagacattctaataagctgaacact
template sequence amp2_inj1

----
aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

taaaaaacgtgaataattgtacttttttaatagttcgaatagtttatcatctctgaaaagtgtaatctctccatgtgtgtgtgcaggtatgatggcgcgtg
template sequence amp2_inj1

----
aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

tctcctgctggtgtacggtgtgtatgtagctgtactgtgtttcgatctgaagatcagcgagtacgtgatgcagcgcttcagtccatgctgctggtgtctg

READ_A2Inj1_F

template sequence amp2_inj1

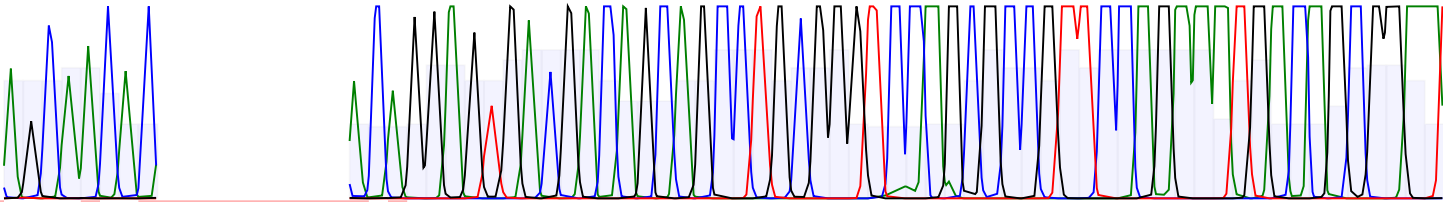**aligned sequence** 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

aaacctcgcgatcgtgactcaggcgagcagcagcctctagtgggctggagtgacgacagcagcctgcgggtccagcgccgttccagaaatgacagcggaa

crRNA_AA

READ_A2Inj2_R

READ_A2Inj1_F

template sequence amp2_inj1

--------------------AGCAACAC----------ACAGGAGTGACGACAGCAGCCTGCGGGTCCAGCGCCGTTCCAGAAATGACAGCGGAA

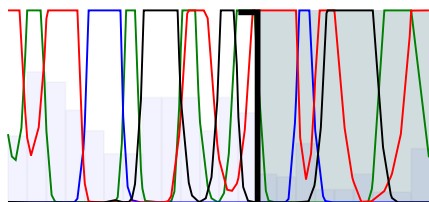**aligned sequence** 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

tattccaggatgattctggatattcacatctatcgctcagcctgcacggactcaacgaaatcagcgacggtatgtacaataactattcttaaaaacactt

READ_A2Inj2_R

AA_r

READ_A2Inj1_F

READ...1_F

template sequence amp2_inj1

TATTCCAGGATGATNCNNGNNT--

aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

tgagaagcaaaatttctcctgcatataacaataaatactgtaaatgcattaattaatgcaaatagttataatacaatttaaaacttttttgcgtctcacga

READ_A2Inj1_F

template sequence amp2_inj1

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aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)

tttcaactttttttgtattttaacttttacgtgtcgcgattttg

template sequence amp2_inj1

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aligned sequence 455938901_amp2_inj1_AA_r_F11 (455938901_amp2_inj1_AA_r_F11.ab1)