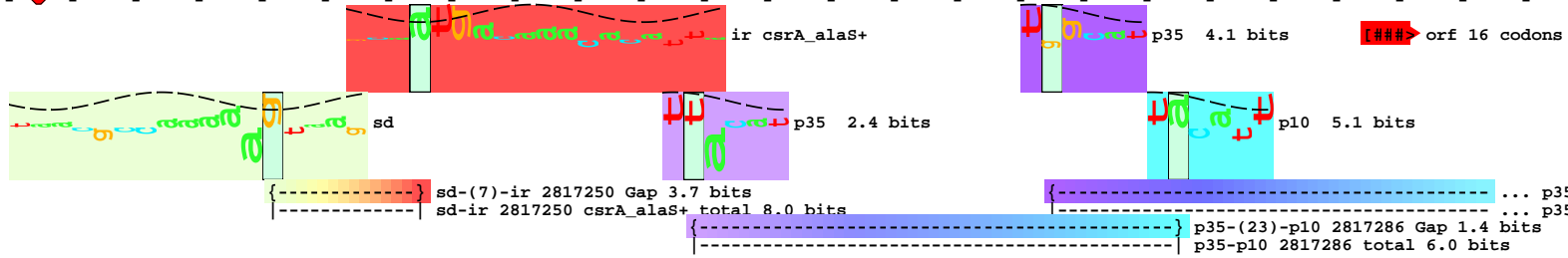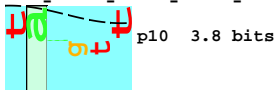piece 1, NC_000913, csrA_alaS+, config: linear, direction: +, begin: 2817139, end: 2817422

```
        *2817140  *        *2817150  *        *2817160  *        *2817170  *        *2817180  *        *2817190  *        *2817200  *        *2817210  *
5' ctcaccaactcgacgagtcagaatcagcattctttgctcccttgaaagattaaaagagtcgggtctctctgtatcccggcat 3'
  - leu - thr - asn - ser - thr - ser - gln - asn - gln - his - ser - leu - leu - leu - cys - ser - leu - lys - asp -    - lys - glu - ser - gly - leu - ser - val - ser - arg - his -
    - ser - pro - thr - arg - arg - val - arg - ile - ser - ile - leu - cys - ser - leu - lys - asp -  ●
        - his - gln - leu - asp - glu - ser - glu - ser - ala - phe - phe - ala - pro -  ●
    -----------------------------------------------------] NC_000913.csrA
```

```
        *2817220  *        *2817230  *        *2817240  *        *2817250  *        *2817260  *        *2817270  *        *2817280  *        *2817290  *        *2817300
5' tatccatcatataacgccaaaaagtaagcaatgacaaacacattacatctaagcagtcatggcattacattctgtttaaacc 3'
  - tyr - pro - ser - tyr - asn - ala - lys - lys -  ●    -fMet - thr - asn - thr - leu - his - leu - ser - ser - his - gly - ile - thr - phe - cys -  ●   -   -
    -                                                           -fMet - ala - leu - his - ser - val - lys - pro -
```

ir csrA_alaS+

p35   4.1 bits   [###> orf 16 codons

sd   p35   2.4 bits   p10   5.1 bits

{-----------} sd-(7)-ir 2817250 Gap 3.7 bits   {------------------------ ... p35-(22)-p10 2817302 Gap
|-----------| sd-ir 2817250 csrA_alaS+ total 8.0 bits |------------------------ ... p35-p10 2817302 total 5.5
                                                      {------------------------| p35-(23)-p10 2817286 Gap 1.4 bits
                                                      |------------------------| p35-p10 2817286 total 6.0 bits

```
            *        *2817310  *        *2817320  *        *2817330  *        *2817340  *        *2817350  *        *2817360  *        *2817370  *        *2817380
5' taagtttagccgatatacacaacttcaacctgactttatcgttgtcgatagcgttaatgcgaatgccgtgaagcgagtcca 3'
  - lys - phe - ser - arg - tyr - thr - gln - leu - gln - pro - asp - phe - ile - val - val - asp - ser - val - asn - ala - asn - ala - val - lys - arg - val - his -
    -                                                       -fMet - ser - ile - ala - leu - met - arg - met - pro -  ●
```

p10   3.8 bits

... --} p35-(22)-p10 2817302 Gap 2.3 bits
... --| p35-p10 2817302 total 5.5 bits

```
            *        *2817390  *        *2817400  *        *2817410  *        *2817420
5' cggcattgcctgacgcttatattattgcaatttcgcgctga 3'
  -                                      -fMet - gln - phe - arg - ala -
    - gly - ile - ala -  ●    -fMet - pro - asp - ala - tyr - ile - ile - ala - ile - ser - arg -  ●   -
```

p35   6.2 bits   <-- ... NC_000913.alaS

p10   1.5 bits

{----------------------------------} p35-(22)-p10 2817410 Gap 2.3 bits
|----------------------------------| p35-p10 2817410 total 5.4 bits