piece 1, NC_000913, lsrR_lsrA-, config: linear, direction: -, begin: 1599543, end: 1599246
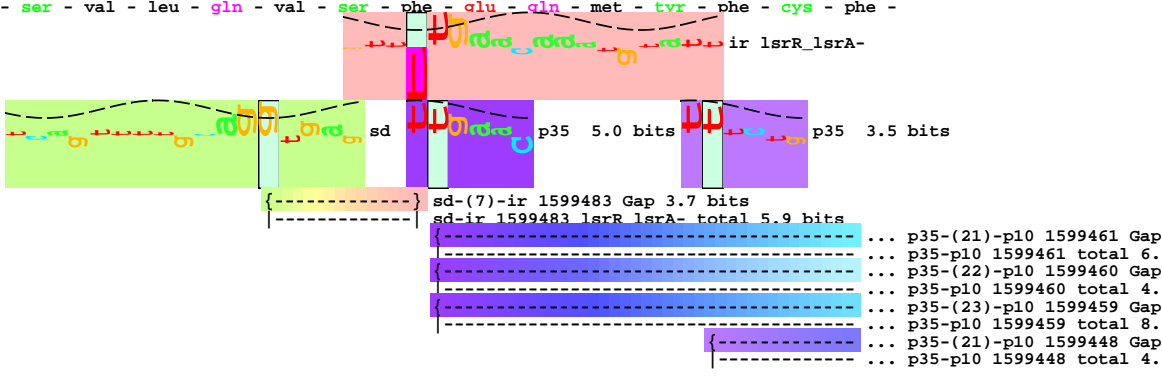
```
        *1599540  *     *1599530  *     *1599520  *     *1599510  *     *1599500  *     *1599490  *     *1599480  *     *1599470  *
5' cggtaacgcgcgggtatcactcgtttgcatatttccccgttcagttttgcaggtgagtttgaacaaatgtatttctgct 3'
   - arg -      -   - gly - asn - ala - arg - val - ser - leu - val - cys - ile - phe - pro - pro - phe - ser - phe - ala - gly - glu - phe -      - fMet - his - ile - ser - pro - val - gln - phe - cys - arg -      -fMet - asn - lys - cys - ile - ser - ala -
   - val - thr - arg - gly - tyr - his - ser - phe - ala - tyr - phe - pro - arg - ser - val - leu - gln - val - ser - phe - glu - gln - met - tyr - phe - cys - phe -
```
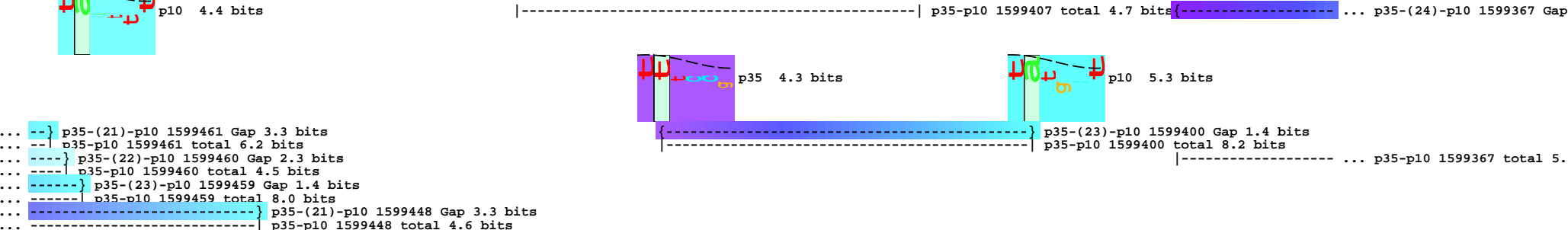
... --] NC_000913.lsrA

sd

p35   5.0 bits

p35   3.5 bits

ir lsrR_lsrA-

{--------------} sd-(7)-ir 1599483 Gap 3.7 bits
|--------------| sd-ir 1599483 lsrR_lsrA- total 5.9 bits

{------------------------------ ... p35-(21)-p10 1599461 Gap
|------------------------------ ... p35-p10 1599461 total 6.2
{------------------------------ ... p35-(22)-p10 1599460 Gap
|------------------------------ ... p35-p10 1599460 total 4.5
{------------------------------ ... p35-(23)-p10 1599459 Gap
|------------------------------ ... p35-p10 1599459 total 8.0
{----------- ... p35-(21)-p10 1599448 Gap
|----------- ... p35-p10 1599448 total 4.6

```
        *1599460  *     *1599450  *     *1599440  *     *1599430  *     *1599420  *     *1599410  *     *1599400  *     *1599390  *
5' tttaatttgttcataaccttaggtggacattgcacatatttccgacgaatagatcacaatttatgctatttgattttcac 3'
   - phe - asn - leu - phe - ile - thr - leu - gly - gly - his - cys - thr - tyr - phe - arg - arg - ile - asp - his - asn - leu - cys - tyr - phe - asp - phe - his -
   -      -      -      -      -      -      -fMet - asp -      -      -fMet - his - ile - phe - ser - pro - thr - glu -      -      -      -fMet - ile - phe - thr -
   -      -      -      -      -      -      -fMet - his - ile - phe - pro - thr - asn - arg - ser - gln - phe - met - leu - phe -      -      -      -
```

p10   4.5 bits

p10   4.5 bits

p35   4.7 bits

p10   4.1 bits

p35   5.7 bits

p10   1.8 bits

{--} p35-(25)-p10 1599407 Gap 4.0 bits

p10   4.4 bits

|--| p35-p10 1599407 total 4.7 bits {------------------- ... p35-(24)-p10 1599367 Gap

p35   4.3 bits

p10   5.3 bits

... --} p35-(21)-p10 1599461 Gap 3.3 bits
... ---| p35-p10 1599461 total 6.2 bits
... ----} p35-(22)-p10 1599460 Gap 2.3 bits
... ----| p35-p10 1599460 total 4.5 bits
... ----} p35-(23)-p10 1599459 Gap 1.4 bits
... ----| p35-p10 1599459 total 8.0 bits
... -----------------} p35-(21)-p10 1599448 Gap 3.3 bits
... -----------------| p35-p10 1599448 total 4.6 bits

{--------------------------------} p35-(23)-p10 1599400 Gap 1.4 bits
|--------------------------------| p35-p10 1599400 total 8.2 bits
|------------------ ... p35-p10 1599367 total 5.7

```
        *1599380  *     *1599370  *     *1599360  *     *1599350  *     *1599340  *     *1599330  *     *1599320  *     *1599310  *
5' ggttgcgtttgttcatgctcgtagagtcaaactgttggttgccatcacagatataaatgagcaagaactgaacaattgcatt 3'
   - gly - cys - val - cys - ser - cys - ser -      -      -      -      -fMet - val - ala - ile - thr - asp - ile - asn - glu - gln - glu - leu - asn - asn - cys - ile -
   - val - ala - phe - val - his - ala - arg - arg - val - lys - leu - trp - leu - pro - ser - gln - ile -      -fMet - ser - lys - asn -      -      -      -      -
   -fMet - arg - leu - phe - met - leu - val - glu - ser - asn - cys - gly - cys - his - his - arg - tyr - lys -      -      -      -      -fMet - his -      -
```

orf 42 codons

... sd

p10   2.5 bits

p35   6.2 bits

{------------ ... p35-(24)-p10 1599282 Gap
|------------ ... p35-p10 1599282 total 6.0

... -------------------------} p35-(24)-p10 1599367 Gap 2.4 bits

... --------------------------| p35-p10 1599367 total 5.7 bits