piece 1, NC_000913, mltA_metZ-, config: linear, direction: -, begin: 2945438, end: 2945181

```
        *      *2945430  *      *2945420  *      *2945410  *      *2945400  *      *2945390  *      *2945380  *      *2945370  *      *2945360
5' cgacgagctaccaggctgtccacccgcgtccgtggatgcgcactatactccgctcgcgtttcatgcaacctttttttt 3'
  - arg - arg - ala - thr - arg - leu - leu - his - ser - thr - pro - arg - pro - trp - met - arg - thr - ile - leu - arg - ser - arg - phe - his - ala - thr - phe - phe - leu -
   - asp - glu - leu - pro - gly - cys - ser - thr - pro - arg - pro - trp - met - arg - thr - ile - leu - arg - ser - cys - asn - leu - phe - phe -
    - thr - ser - tyr - gln - ala - ala - pro - pro - arg - val - arg - gly - cys - ala - leu - tyr - ser - ala - arg - val - phe - met - gln - pro - phe - phe - tyr -
```
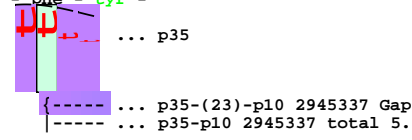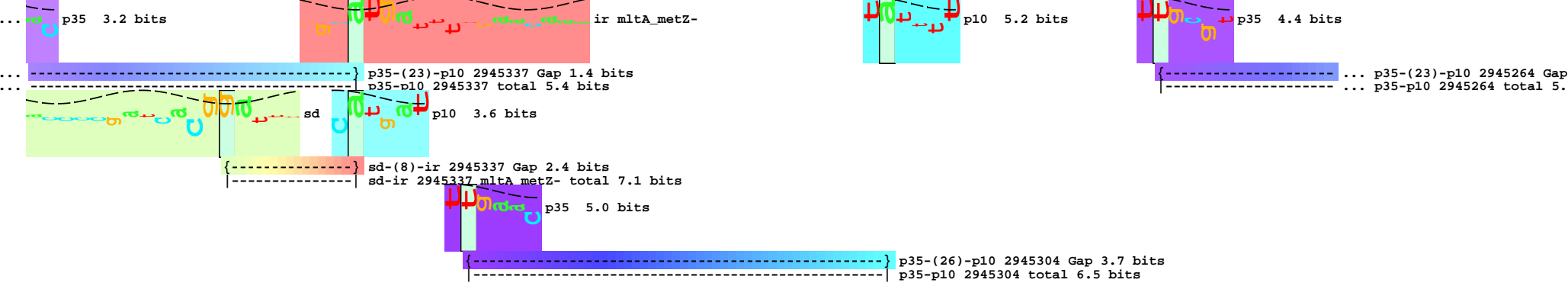
... p35

{----- ... p35-(23)-p10 2945337 Gap
|----- ... p35-p10 2945337 total 5.4

```
        *      *2945350  *      *2945340  *      *2945330  *      *2945320  *      *2945310  *      *2945300  *      *2945290  *      *2945280
5' accccgatcacggatttggcatgattttgaacaaaaacaaatcactaaagcctattttttgtgcaaaatttgcgtcagga 3'
  - thr - pro - ile - thr - asp - leu - ala - ●   - ●   - ●   - ●   - ●   - ●   - ●   - -fMet - gln - asn - leu - arg - gln - gly -
   - pro - arg - ser - arg - ile - trp - his - asp - phe - glu - gln - lys - gln - ile - thr - lys - ala - tyr - phe - leu - cys - lys - ile - cys - val - arg - glu -
    - pro - asp - his - gly - phe - gly - met - ile - leu - asn - lys - asn - lys - ser - leu - lys - pro - ile - phe - cys - ala - lys - phe - ala - ser - gly - arg -
```
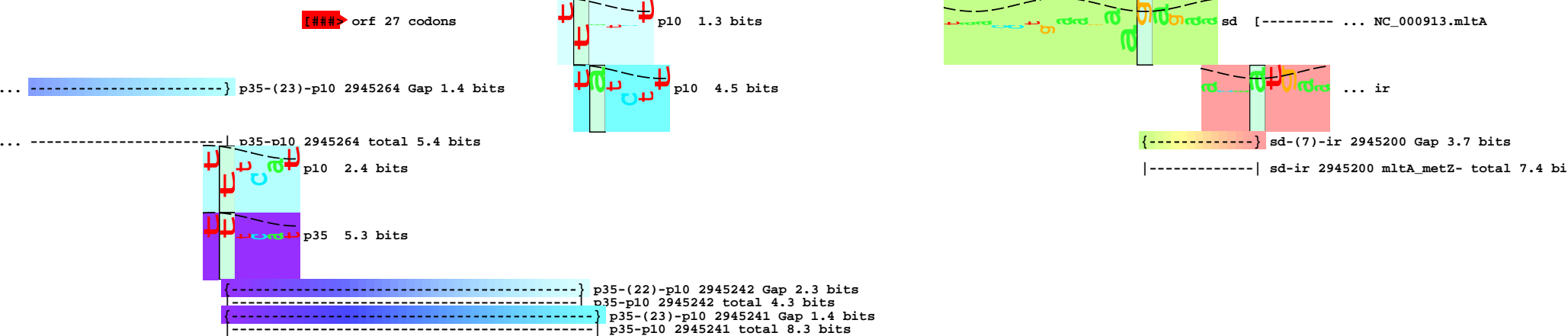
... p35   3.2 bits   ir mltA_metZ-   p10   5.2 bits   p35   4.4 bits

... {--} p35-(23)-p10 2945337 Gap 1.4 bits   {----------- ... p35-(23)-p10 2945264 Gap
... |--| p35-p10 2945337 total 5.4 bits |----------- ... p35-p10 2945264 total 5.4

sd   p10   3.6 bits

{------------} sd-(8)-ir 2945337 Gap 2.4 bits
|------------| sd-ir 2945337 mltA_metZ- total 7.1 bits

p35   5.0 bits

{--} p35-(26)-p10 2945304 Gap 3.7 bits
|--| p35-p10 2945304 total 6.5 bits

```
     *      *2945270  *      *2945260  *      *2945250  *      *2945240  *      *2945230  *      *2945220  *      *2945210  *      *2945200
5' gaggctgctcatttcattaaacgcggcggtttgttatcttcgttcgccttatttttttaacctgaagaagagaacaatgaa 3'
  - glu - ala - ala - his - phe - ile - lys - arg - gly - gly - leu - leu - ser - ser - leu - arg - cys - ala - leu - ile - phe - ●   - -   - -   - -   - -   - -   -
   - arg - leu - leu - ile - ser - leu - asn - ala - gly - val - cys - tyr - leu - arg - cys - ala - leu - phe - phe - asn - leu - lys - lys - arg - thr - met - lys -
    - gly - cys - ser - phe - his - ●   - -   - -   - -   - -   - -   - -   - -   - -   - -   - -   - -   - ●   - -   - -   - -   - ●   - -   -
```

[###> orf 27 codons   p10   1.3 bits   sd [---------- ... NC_000913.mltA

... {----------------------} p35-(23)-p10 2945264 Gap 1.4 bits   p10   4.5 bits   ... ir

... |----------------------| p35-p10 2945264 total 5.4 bits   {------------} sd-(7)-ir 2945200 Gap 3.7 bits

p10   2.4 bits |------------| sd-ir 2945200 mltA_metZ- total 7.4 bit

p35   5.3 bits

{---------------------------------------} p35-(22)-p10 2945242 Gap 2.3 bits
|---------------------------------------| p35-p10 2945242 total 4.3 bits
{---------------------------------------} p35-(23)-p10 2945241 Gap 1.4 bits
|---------------------------------------| p35-p10 2945241 total 8.3 bits

```
     *      *2945190  *
5' aggacgttgggtaaa 3'
  - -   - -   - -fMet - gly - lys -
   - -   - -   - -   - -   - -   -
    - gly - arg - trp - val - ●   -
```

... {--------------------------- ... NC_000913.mltA
     - -   - -   - -   -

... ir mltA_metZ-