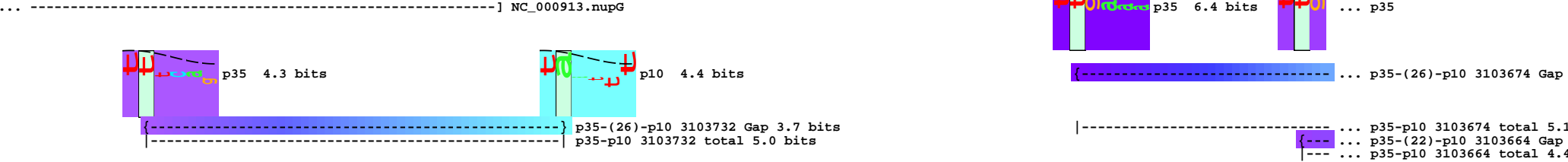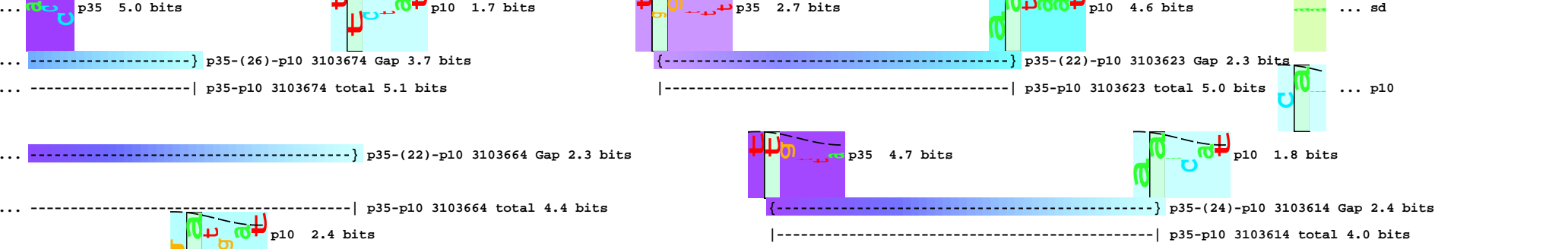piece 1, NC_000913, mltC_nupG-, config: linear, direction: -, begin: 3103765, end: 3103515

```
           *    *3103760   *    *3103750   *    *3103740   *    *3103730   *    *3103720   *    *3103710   *    *3103700   *    *3103690   *
5' gaggattttcagctgcagcttaagattcatgttaatttcctcacatcgtgatgcggatgagtgtttgaaaaagcacatttg 3'
  - glu - asp - phe - gln - leu - gln - leu - lys - ile - his - val - asn - phe - leu - thr - ser -        -        - -fMet - phe - glu - lys - ala - his - leu -
      - arg - ile - phe - ser - cys - ser - leu - arg - phe - met - val - ile - ser - ser - his - arg - asp - ala - asp - glu - cys - leu - lys - lys - his - ile -
          - gly - phe - ser - ala - ala - ala -     -     -     -     -     -     -     - -fMet - met - arg - met - ser - val -
... ----------------------------------------------------------------] NC_000913.nupG                                                    ... p35
```
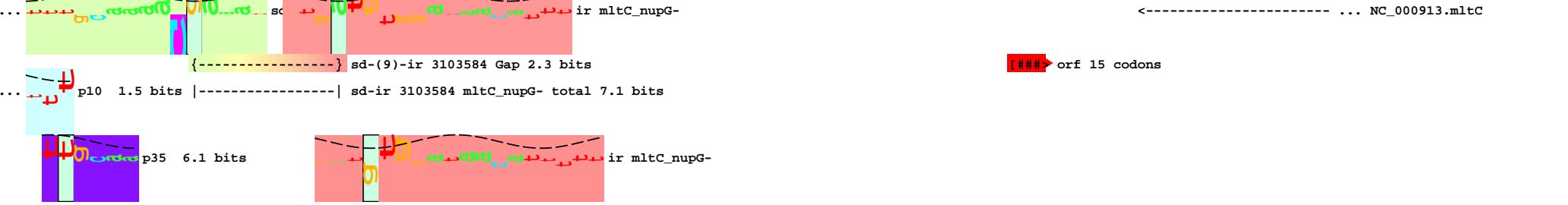
p35 6.4 bits

p35 4.3 bits   p10 4.4 bits   ... p35-(26)-p10 3103674 Gap

p35-(26)-p10 3103732 Gap 3.7 bits   ... p35-p10 3103674 total 5.1
p35-p10 3103732 total 5.0 bits   p35-(22)-p10 3103664 Gap
                                        ... p35-p10 3103664 total 4.4

```
           *3103680   *    *3103670   *    *3103660   *    *3103650   *    *3103640   *    *3103630   *    *3103620   *    *3103610   *
5' accgtcgagatgatggattctatcaacttcgcgactggtttttgttacctgtgcagcaataattgcaaacattcccaa 3'
  - thr - val - arg - asp - asp - gly - ile - leu - ser - thr - ser - arg - thr - gly - phe - leu - leu - pro - val - ala - asn - asn - cys - lys - his - ser - gln -
      -     -     - -fMet - met - gly - phe - tyr - gln - leu - arg - gly - leu - val - phe - cys - tyr - leu - trp - gln - ile - ile - ala - asn - ile - pro - asn -
                                                                                                    - -fMet - gln - thr - phe - pro - ile -
```

... p35 5.0 bits   p10 1.7 bits   p35 2.7 bits   p10 4.6 bits   ... sd

... p35-(26)-p10 3103674 Gap 3.7 bits   p35-(22)-p10 3103623 Gap 2.3 bits
... p35-p10 3103674 total 5.1 bits   p35-p10 3103623 total 5.0 bits   ... p10

... p35-(22)-p10 3103664 Gap 2.3 bits   p35 4.7 bits   p10 1.8 bits

... p35-p10 3103664 total 4.4 bits   p35-(24)-p10 3103614 Gap 2.4 bits
        p10 2.4 bits   p35-p10 3103614 total 4.0 bits

p35 4.0 bits

p35-(23)-p10 3103605 Gap 1.4 bit
p35-p10 3103605 total 4.1 bits

p35 6.1 bits

... p35-(26)-p10 3103592 Gap
... p35-p10 3103592 total 4.0

```
           *3103600   *    *3103590   *    *3103580   *    *3103570   *    *3103560   *    *3103550   *    *3103540   *    *3103530   *
5' tttgcaaaacgaaattgtgatgtggataacatttttgcccctgagcatcgtcaggggcggttaatggaattatcggcggcg 3'
  - phe - ala - lys - arg - asn - cys - asp - val - asp - asn - ile - phe - ala - pro - glu - his - arg - gln - gly - arg - leu - met - glu - leu - ser - ala - ala -
      - leu - gln - asn - glu - ile - val - met - trp - ile - thr - phe - leu - pro - leu - ser - ile - val - arg - gly - gly -
          - cys - lys - thr - lys - leu -
```

... sd   <---------------------- ... NC_000913.mltC

ir mltC_nupG-

sd-(9)-ir 3103584 Gap 2.3 bits   [###> orf 15 codons

... p10 1.5 bits |-----------------| sd-ir 3103584 mltC_nupG- total 7.1 bits

p35 6.1 bits   ir mltC_nupG-

sd-(11)-ir 3103582 Gap 3.0 bits
sd-ir 3103582 mltC_nupG- total 6.7 bits

p10 1.7 bits

p10   0.0 bits

p35-(23)-p10 3103578 Gap 1.4 bits
p35-p10 3103578 total 4.7 bits

p10   5.6 bits

... p35-(26)-p10 3103592 Gap 3.7 bits
... p35-p10 3103592 total 4.0 bits

p35-(25)-p10 3103576 Gap 4.0 bits
p35-p10 3103576 total 7.6 bits

*3103520   *

5' g t a g g a t t 3'
- val - gly -
-    -   -
-    -   -
... ---------------- ... NC_000913.mltC