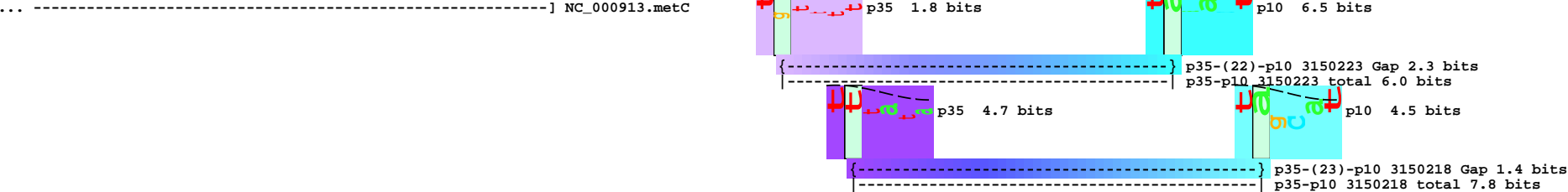piece 1, NC_000913, exbB_metC-, config: linear, direction: -, begin: 3150287, end: 3149987

```
     *       *3150280  *         *3150270  *         *3150260  *         *3150250  *         *3150240  *         *3150230  *         *3150220  *         *3150210
5' c a g t t g a g t a t c a a g c t t t t t g t c c g c c a t g t c g g g a t t c c t g t t t t t a t a c g t c t g g a t g t c t a a a c t a g c a t g a a t a t t 3'
   - gln - leu - ser - ile - lys - leu - phe - val - arg - his - val - gly - ile - pro - val - phe - ile - arg - leu - asp - val -    -     - fMet - asn - ile -   -     -
   - ser -    -    -    -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     -     - fMet - ser - ala - met - ser - gly - phe - leu - phe - leu - tyr - val - trp - met - ser - lys - leu - ala -   -     -
   - val - glu - tyr - gln - ala - phe - cys - pro - pro - cys - arg - asp - ser - cys - phe - tyr - thr - ser - gly - cys - leu - asn -   -     -     -     -
```

... --] NC_000913.metC

p35 1.8 bits

p10 6.5 bits

{--} p35-(22)-p10 3150223 Gap 2.3 bits
|--| p35-p10 3150223 total 6.0 bits

p35 4.7 bits

p10 4.5 bits

{--} p35-(23)-p10 3150218 Gap 1.4 bits
|--| p35-p10 3150218 total 7.8 bits

```
     *       *3150200  *         *3150190  *         *3150180  *         *3150170  *         *3150160  *         *3150150  *         *3150140  *         *3150130
5' c g c g g c g c a t c c t g a a g a a t t g g c a t a a a g c a g a a a a t t t t c g c a a a t g g c g t g t g c t g g t g a c t t t t t a c t g c g t a a a c g 3'
   - arg - gly - arg - ile - leu - lys - asn - trp - his - lys - ala - glu - asn - phe - arg - lys - trp - arg - ala - gly - asp - phe - phe - thr - ala -   -     -
   -     -     -     -     -     -     -     -     -     -     -     -     -     - fMet - leu - val - thr - phe - leu - leu - arg - lys - arg -
   -     -     - fMet - ala -   -     -     -     -     -     -     - fMet - ala - cys - trp -   -
```
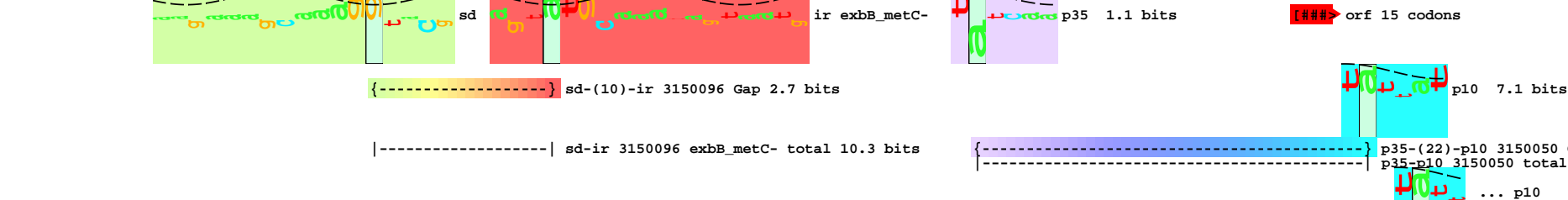
```
     *       *3150120  *         *3150110  *         *3150100  *         *3150090  *         *3150080  *         *3150070  *         *3150060  *         *3150050  *
5' c a a g g a a a a g a a a g c a a a g g t a c g g c a g t a t g c a a a t a g t a a t g a g a a c g a c t a t c a a t t c g a c g t c g t t t g a t a t t a t t 3'
   - lys - glu - lys - lys - ala - lys - val - arg - gln - tyr - ala - asn - ser - asn - glu - asn - asp - tyr - gln - phe - asp - val - val - leu - ile - leu - leu -
   -     -     -     -     -     - fMet - gln - ile - val - met - arg - thr - thr - ile - asn - ser - thr - ser - phe -   -     -
```

sd

ir exbB_metC-

p35 1.1 bits

[###> orf 15 codons

{---------------------} sd-(10)-ir 3150096 Gap 2.7 bits

p10 7.1 bits

|-------------------| sd-ir 3150096 exbB_metC- total 10.3 bits

{------------------------------------} p35-(22)-p10 3150050 Gap 2.3 bits
|------------------------------------| p35-p10 3150050 total 5.8 bits

... p10

{------------------------------------} p35-(25)-p10 3150047 Gap 4.0 bits
|------------------------------------| p35-p10 3150047 total 4.1 bits
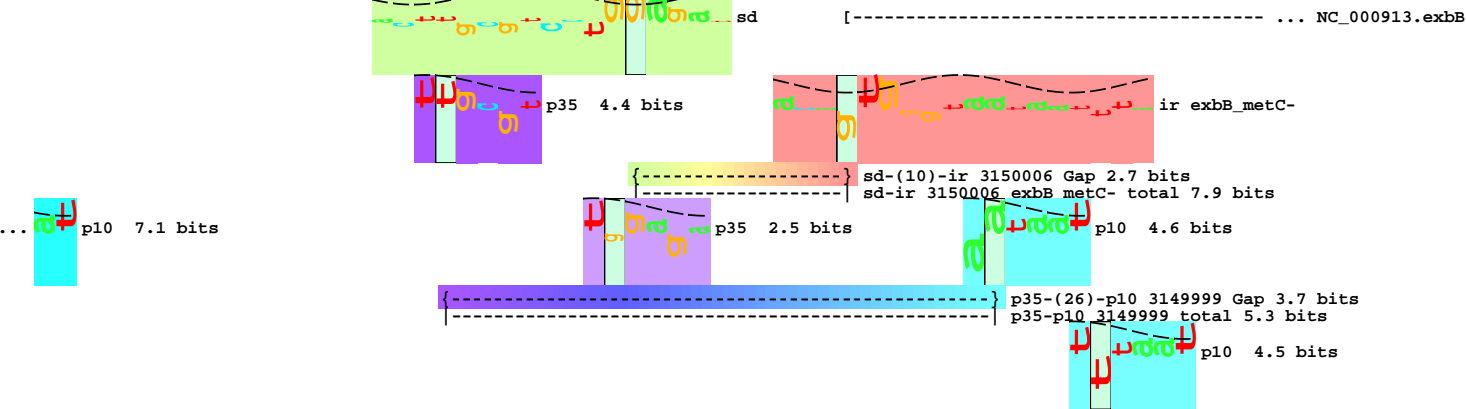
```
     *       *3150040  *         *3150030  *         *3150020  *         *3150010  *         *3150000  *         *3149990
5' a t g c g c a g a t t t t g t g a c t t g c g t c c t g g a g a t a c a c a g t g g g t a a t a a t t t a a t g c a 3'
   - fMet - arg - arg - phe - cys - gly - thr - gln - leu - arg - pro - gly - thr - gln - trp - val - ile - ile -   -     -
   - cys - ala - asp - phe - val - thr - cys - val - leu - glu - ile - his - ser - gly -   -     -
   -     -     -     - fMet -   -     -     -     -     -     - fMet - gly - asn - asn - leu - met -
```

sd

[-------------------------------------- ... NC_000913.exbB

p35 4.4 bits

ir exbB_metC-

{-----------------} sd-(10)-ir 3150006 Gap 2.7 bits
|-----------------| sd-ir 3150006 exbB_metC- total 7.9 bits

p35 2.5 bits

p10 4.6 bits

... p10 7.1 bits

{-----------------------------------} p35-(26)-p10 3149999 Gap 3.7 bits
|-----------------------------------| p35-p10 3149999 total 5.3 bits

p10 4.5 bits

p35-(23)-p10 3149994 Gap 1.4 bits

p35-p10 3149994 total 5.5 bits