piece 1, NC_000913, tynA_maoC+, config: linear, direction: +, begin: 1449344, end: 1449640

```
          *       *1449350  *      *1449360  *      *1449370  *      *1449380  *      *1449390  *      *1449400  *      *1449410  *      *1449420
5' a c g g g c a g a a t a c a g a g a g g g g c t t c c c a t t a t t a a c c t c g t c a g a t g t t g t g t t c t t g t t a g c a a c c g c g c t c t g t g g g c 3'
   - thr - gly - arg - ile - gln - arg - gly - ala - ser - his - tyr -   -   -   - -fMet - leu - cys - ser - cys -   -   - -fMet - gly -
     - arg - ala - glu - tyr - arg - glu - gly - leu - pro - ile - ile - asn - leu - val - arg - cys - cys - val - leu - val - ser - asn - arg - ala - leu - trp - ala -
       - gly - gln - asn - thr - glu - arg - gly - phe - pro - leu - leu - leu - thr - ser - ser - asp - val - val - phe - leu - leu - ala - thr - ala - leu - cys - gly - arg -
                                                              ------------------------------------] NC_000913.tynA
```

```
          *       *1449430  *      *1449440  *      *1449450  *      *1449460  *      *1449470  *      *1449480  *      *1449490  *      *1449500  *
5' g g t t t a g t c a g g t t c a c a t t a t c a g t a c t g a t g c a a a g g g g a t t g c c t g c a c c t g c c a g g t t g t t t g g c a g g t g t g c c a g c 3'
   - gly - leu - val - arg - phe - thr - leu - ser - val - leu - met - gln - arg - gly - leu - pro - ala - pro - ala - arg - leu - phe - gly - arg - cys - ala - ser -
     - val -   -   -   -   -   -   -   -   -   - -fMet - ala - gly - val - pro - ala -
       - phe - ser - gln - val - his - ile - ile - ser - thr - asp - ala - lys - gly - ile - ala - cys - thr - cys - gln - val - val - trp - gln - val - cys - gln - leu -
```
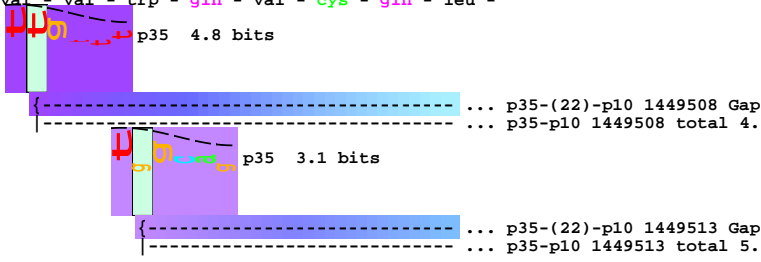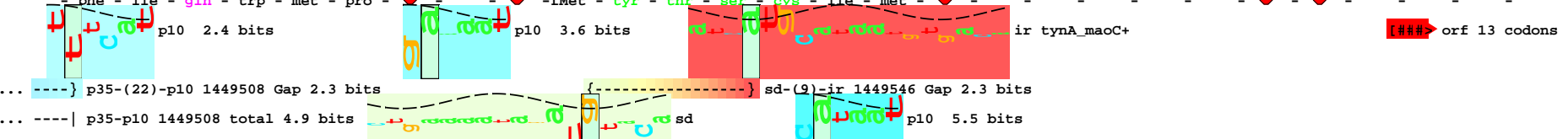
p35   4.8 bits

{ -- ... p35-(22)-p10 1449508 Gap
| -- ... p35-p10 1449508 total 4.9

p35   3.1 bits

{ -- ... p35-(22)-p10 1449513 Gap
| -- ... p35-p10 1449513 total 5.2

```
          *       *1449510  *      *1449520  *      *1449530  *      *1449540  *      *1449550  *      *1449560  *      *1449570  *      *1449580  *
5' t t t t c a t a c a g t g g a t g c c c t g a a a a t a g a t g t a c a c a t c a t g c a t a a t g t g a c a a c g t c a c a a a a c t t a g t g a a a t a a a a 3'
   - phe - ser - tyr - ser - gly - cys - pro - glu - asn - arg - cys - thr - his - his - ala -   -   -   -   -   -   -   -   -   -
     - phe - his - thr - val - asp - ala - leu - lys - ile - asp - val - his - ile - met - his - asn - val - trp - thr - ser - gln - asn - leu - val - lys -
       - phe - ile - gln - trp - met - pro -   - glu - asn - arg - cys - thr - his - his - -fMet - tyr - thr - ser - cys - ile - met -
```

p10   2.4 bits   p10   3.6 bits   ir tynA_maoC+   [###> orf 13 codons

... ----} p35-(22)-p10 1449508 Gap 2.3 bits   {----------} sd-(9)-ir 1449546 Gap 2.3 bits

... ----| p35-p10 1449508 total 4.9 bits   sd   p10   5.5 bits

p10   4.4 bits |------------------| sd-ir 1449546 tynA_maoC+ total 8.7 bits

... ------------------} p35-(22)-p10 1449513 Gap 2.3 bits
... ------------------| p35-p10 1449513 total 5.2 bits

p35   4.6 bits   p35   0.6 bits

{ ------------------------------------} p35-(21)-p10 1449528 Gap 3.3 bits
| ------------------------------------| p35-p10 1449528 total 4.9 bits

{ --------------------------------------} p35-(23)-p10 1449550 Gap 1.4 bits
| --------------------------------------| p35-p10 1449550 total 4.6 bits

```
          *       *1449590  *      *1449600  *      *1449610  *      *1449620  *      *1449630  *      *1449640
5' g g g c a a c t a t t c g c c g t t g c c c t t c a t t c a c c g a t t a a t c g a c a a a t c a c c g t 3'
   -   -   -   -   -   -   -   -   - -fMet - pro - phe - ile - his - arg - leu - ile - asp - lys - ile - thr -
```

p35   4.6 bits   <-------------------------------------- ... NC_000913.maoC

p10   4.7 bits

{ ------------------------------------} p35-(26)-p10 1449630 Gap 3.7 bits
| ------------------------------------| p35-p10 1449630 total 5.7 bits