piece 1, NC_000913, tig_clpP-, config: linear, direction: -, begin: 455930, end: 455636

```
          *455930    *    *455920    *    *455910    *    *455900    *    *455890    *    *455880    *    *455870    *    *455860    *    *455850
5' a a a g t t a t c t c g t t c g c c g c t g t a t g a c a t t t c c g t c t c c t g g a t a a a a t t g a a a a a c c t g c t g t a c c g a t t g t a a c c t t 3'
   -  lys - val - ile - ser - phe - ala - ala - val  -   -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -
   -  ser - tyr - leu - val - arg - arg - cys - met - thr - phe - pro - ser - pro - gly  -   -  leu - lys - lys - pro - ala - val - pro - ile - val - thr - leu
   -   -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -   -fMet  -    -
```
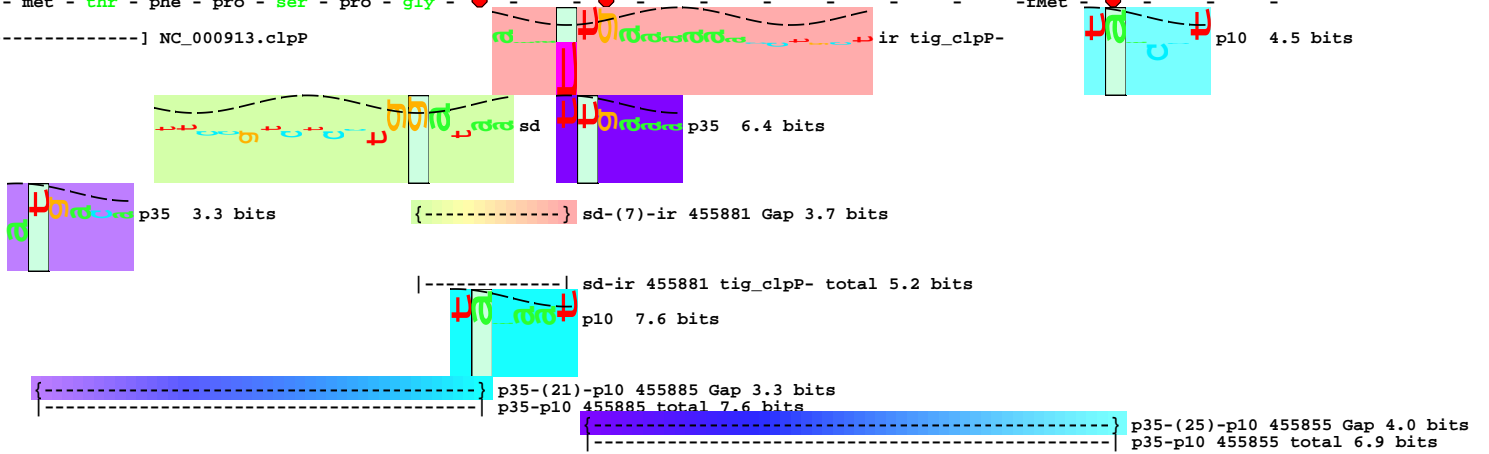
... ---] NC_000913.clpP

ir tig_clpP-   p10   4.5 bits

sd   p35   6.4 bits

p35   3.3 bits   {-------------} sd-(7)-ir 455881 Gap 3.7 bits

|-------------| sd-ir 455881 tig_clpP- total 5.2 bits

p10   7.6 bits

{------------------} p35-(21)-p10 455885 Gap 3.3 bits
|------------------| p35-p10 455885 total 7.6 bits

{------------------------} p35-(25)-p10 455855 Gap 4.0 bits
|------------------------| p35-p10 455855 total 6.9 bits

```
          *    *455840    *    *455830    *    *455820    *    *455810    *    *455800    *    *455790    *    *455780    *    *455770
5' a t g g a c g g a t t a t c a g c t a g t c c c t g t g t t a t g g g t a c g g c a t c a c c a t a t t t c a a g c a t a a c a a t c t t t t g t t g t t a c g c 3'
  -fMet - asp - gly - leu - ser - ala - ser - pro - cys - val - met - gly - thr - ala - ser - pro - tyr - phe - lys - his - asn - asn - leu - leu - leu - leu - arg
   -  trp - thr - asp - tyr - gln - leu - val - pro - val - leu - trp - val - arg - his - his - his - ile - ser - ser - ile - thr - ile - phe - cys - cys - tyr - ala
   -   -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -
```

p35   5.2 bits   ... p10

{------------------------------} p35-(26)-p10 455772 Gap 3.7 bits
|------------------------------| p35-p10 455772 total 5.4 bits

```
          *    *455760    *    *455750    *    *455740    *    *455730    *    *455720    *    *455710    *    *455700    *    *455690
5' t a a c a c c g a a a g a g g c t t t t c g c a c g g t t c c a t g c a a a a t t c a t g a c a a a a a a a g c c a c c a t c t g g c g t g g t g a c g g g c c t 3'
   -   -    -    -    -    -    -    -    -    -    -    -    -    -    -    -   -fMet - thr - lys - lys - ser - pro - pro - pro - gly - gly - asp - gly - pro -
   -  asn - thr - glu - arg - gly - phe - ser - his - gly - ser - met - gln - asn - ser  -   -    -    -    -    -    -    -    -    -    -    -   -fMet - thr - gly - leu
   -   -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -    -
```

... p10   3.9 bits   [###> orf 53 codons

```
          *    *455680    *    *455670    *    *455660    *    *455650    *    *455640
5' t t g t g c g a a t t t a g c g c g t t a t g c t g c g t a a a t t a c g c c t g c t g g t t c a t c a 3'
   -  leu - cys - glu - phe - ser - ala - leu - cys - cys - val - asn - tyr - ala - cys - trp - phe - ile -
   -  cys - ala - asn - leu - ala - arg - tyr - ala - ala  -   -    -    -    -    -    -    -    -
  -fMet - arg - ile  -   -    -   -fMet - leu - arg - lys - leu - leu - val - his -
```

<------------------------------------ ... NC_000913.tig