- 1 -

piece 1, NC_000913, dinJ_yafL-, config: linear, direction: -, begin: 246741, end: 246483

```
       *246740    *       *246730    *       *246720    *       *246710    *       *246700    *       *246690    *       *246680    *       *246670    *
5' tacaaaggatggaatcgacggcaaggacatactcaataatggctggtcatgctttaatgttgcagtgtatcccggatcgtt 3'
    -  thr - lys - asp - gly - ile - asp - gly - lys - asp - ile - leu - asn - asn - gly - trp - ser - cys - phe - asn - val - ala - val - tyr - pro - gly - ser - phe
    -  gln - arg - met - glu - ser - thr - ala - arg - thr - tyr - ser - ile - met - ala - gly - his - ala - leu - met - leu - gln - cys - ile - pro - asp - arg - phe
... --------------------------------------------------] NC_000913.yafL
```
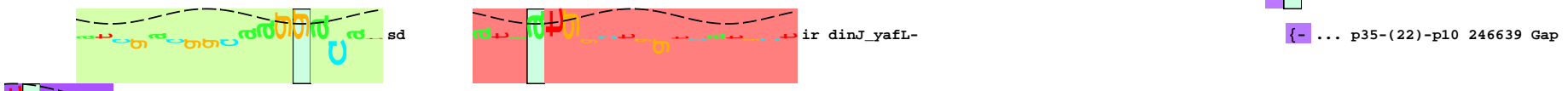
sd   ir dinJ_yafL-

p35   4.4 bits   {-----------------------} sd-(13)-ir 246703 Gap 4.6 bits

|------------------------| sd-ir 246703 dinJ_yafL- total 6.6 bits

p10   4.6 bits

{-------------------------------} p35-(25)-p10 246706 Gap 4.0 bits
{------------------------------| p35-p10 246706 total 5.0 bits

{- ... p35-(22)-p10 246639 Gap
|- ... p35-p10 246639 total 5.3

{- ... p35-(25)-p10 246636 Gap
|- ... p35-p10 246636 total 6.5

```
       *246660    *       *246650    *       *246640    *       *246630    *       *246620    *       *246610    *       *246600    *       *246590    *       *246580
5' tctgaacaaacttaataaccattattataaaattaacatatatatttcagttaattatgtaaaaacatccgttattaaa 3'
    -  leu - asn - lys - leu - asn - lys - pro - leu - leu -   -   -   -   -   -   -   -   - fMet -   -   -   -   -   -   -
```
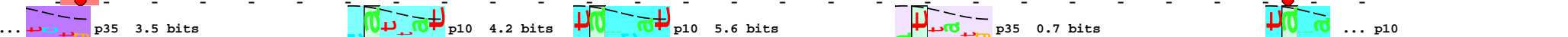
... p35   3.5 bits   p10   4.2 bits   p10   5.6 bits   p35   0.7 bits   ... p10

... ---------------------------------------} p35-(22)-p10 246639 Gap 2.3 bits   {------------------------------} p35-(23)-p10 246582 Gap 1.4 bits
... --| p35-p10 246639 total 5.3 bits |-----------------------------| p35-p10 246582 total 5.0 bits
... ---------------------------------------} p35-(25)-p10 246636 Gap 4.0 bits
... --| p35-p10 246636 total 6.5 bits

[###]> orf 16 codons

p10   7.1 bits

p35   0.5 bits   p10   7.6 bits

{----------------------------------} p35-(26)-p10 246631 Gap 3.7 bits
{----------------------------------| p35-p10 246631 total 4.4 bits

p35   1.8 bits

{-------------------------------> p35-(23)-p10 246625 Gap 1.4 bits
{-------------------------------| p35-p10 246625 total 6.0 bits

```
                  *       *246570    *       *246560    *       *246550    *       *246540    *       *246530    *       *246520    *       *246510    *       *246500
5' ttactcatggattgtcgctgttgctcatttgagctacaattcaagctgaataaatatacagcacaggagataccccaatgg 3'
    -   -   - fMet - asp - cys - arg - cys - cys - ser - phe - glu - leu - gln - phe - lys - leu - asn - lys - tyr - thr - ala - gln - glu - ile - pro - gln - trp -
    -   -   - fMet - ser - leu - leu - leu - ile -   -   - fMet - ser - tyr - asn - ser - ser -   -   -   -   -   -   -   -   -   -   -   -   - fMet - ala -
```

... p10   5.7 bits   p35   4.6 bits   p10   6.9 bits   sd   [------- ... NC_000913.dinJ

{------------------------------------> p35-(23)-p10 246544 Gap 1.4 bits   ... ir

|------------------------------------| p35-p10 246544 total 10.1 bits   p10   2.5 bits   {-------------------} sd-(11)-ir 246502 Gap 3.0 bits

p35   3.2 bits

|--------------------| sd-ir 246502 dinJ_yafL- total 11.2 b

{--} p35-(23)-p10 246527 Gap 1.4 bits
|--| p35-p10 246527 total 4.3 bits

```
           *        *246490    *
5' c t g c t a a c g c g t t t g t 3'
   - leu - leu - thr - arg - leu -
      -    -    -    -    -
      - ala - asn - ala - phe -
... -------------------------------- ... NC_000913.dinJ

...                                 ir dinJ_yafL-
```