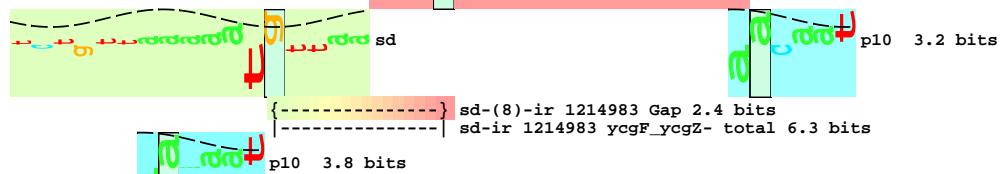piece 1, NC_000913, ycgF_ycgZ-, config: linear, direction: -, begin: 1215041, end: 1214679

```
      *1215040  *        *1215030  *        *1215020  *        *1215010  *        *1215000  *        *1214990  *        *1214980  *        *1214970  *
5' a g a a t c t a a a g t c a c t g a a t t t t g a t g c a t g c t a c g c c t c t g t t a a a a a t g t t a a t c a a t g t t a a g t g a a g t a a c a a t a g c 3'
      -   arg - ile -   -   -   -   - -fMet - met - his - ala - thr - pro - leu - leu - lys - met - leu - ile - asn - val - lys -   -   -  -fMet - leu - ser - glu - val - thr - ile - ala -
      -   glu - ser - lys - val - thr - glu - phe -   - -   - -fMet - leu - arg - leu - cys -   - lys - lys -   -   -   -   - -fMet - lys -   -   -   -   -
      -   asn - leu - lys - ser - leu - asn - phe - asp - ala - cys - tyr - ala - ser - val - lys - asn - val - asn - gln - cys -   -  -fMet - lys -   -   -   -   -
```
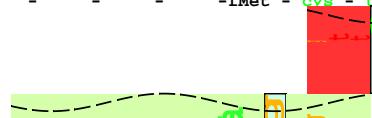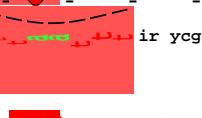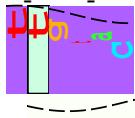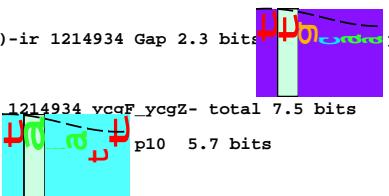
... --] NC_000913.ycgZ

p35 4.7 bits   sd   p10 3.2 bits

{- - - - - - - - -} sd-(8)-ir 1214983 Gap 2.4 bits
|- - - - - - - - -| sd-ir 1214983 ycgF_ycgZ- total 6.3 bits

p10 3.8 bits

{- - - - - - - - - - - - -} p35-(23)-p10 1214996 Gap 1.4 bits
|- - - - - - - - - - - - -| p35-p10 1214996 total 7.1 bits

p35 2.6 bits

{- - - - - - - - - - - - -} p35-(23)-p10 1214968 Gap 1.4 bits
|- - - - - - - - - - - - -| p35-p10 1214968 total 4.3 bits

```
      *1214960  *        *1214950  *        *1214940  *        *1214930  *        *1214920  *        *1214910  *        *1214900  *        *1214890  *        *1214880
5' a a a c t t g t a c g a a a t a t g t g t a c a g a a t g a t a a a t t a a t t t t t t g c a a t t a g t g c t a a t g c a t a t a a a a c a a t g t g t t a t g 3'
      -   asn - leu - tyr - glu - ile - cys - val - gln - asn - asp - lys - leu - ile - phe - cys - asn -   - -fMet - gln - leu - val - leu - met - his - ile - lys - gln - cys - val - met -
      -   -   -   -   -   - -fMet - tyr - arg - met - ile - asn -   -   -   -   -   -   -   -   -   -   -   -   -   -   - -fMet - cys - tyr - asp -
```
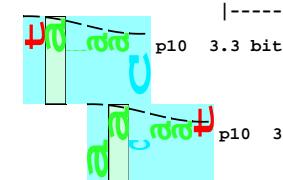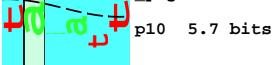
p35 4.1 bits   ir ycgF_ycgZ-   [###> orf 25 codons   ... ir

[###> orf 4 codons   sd

{- - - - - - - -} sd-(9)-ir 1214934 Gap 2.3 bits   p35 6.1 bits   {- - - - -} sd-(5)-ir 1214882 Gap 5.4 bits

|- - - - - - - -| sd-ir 1214934 ycgF_ycgZ- total 7.5 bits |- - - - -| sd-ir 1214882 ycgF_ycgZ- total 10.

p10 5.7 bits   p10 3.3 bits

{- - - - - - - - - - - - -} p35-(26)-p10 1214929 Gap 3.7 bits   p10 3.2 bits

|- - - - - - - - - - - - -| p35-p10 1214929 total 6.1 bits   {- - - - - - - - -} p35-(22)-p10 1214895 Gap 2.3 bits
|- - - - - - - - -| p35-p10 1214895 total 7.1 bits
{- - - - - - - - -} p35-(25)-p10 1214892 Gap 4.0 bits
|- - - - - - - - -| p35-p10 1214892 total 5.2 bits

```
            *        *1214870  *        *1214860  *        *1214850  *        *1214840  *        *1214830  *        *1214820  *        *1214810  *        *1214800
5' a t a a a a c a t a t t g c a t c a t t a a c t g a c a a t c t a t a c a a g a t t t t t c g c c a a c t a g t g t t c a a c t t t t t c c a t t t t t t a t c 3'
      ile - lys - his - ala - ser - phe - leu -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
      -   -   -   - -fMet - his - his - leu - thr - asp - asn - leu - tyr - lys - ile - phe - arg - gln - leu - val - phe - asn - phe - phe - his - phe - leu - ser -
      -   lys - thr - tyr - cys - ile - ile -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
```

... ir ycgF_ycgZ-   [###> orf 10 codons   p10 1.9 bits   ... sd

p35   6.2 bits

p10   2.8 bits

p35   4.8 bits

{-------------------------------------} p35-(24)-p10 1214844 Gap 2.4 bits
|-------------------------------------| p35-p10 1214844 total 5.6 bits
{-------------------------------------} p35-(26)-p10 1214842 Gap 3.7 bits
|-------------------------------------| p35-p10 1214842 total 5.3 bits

{----------- ... p35-(23)-p10 1214781 Gap
|----------- ... p35-p10 1214781 total 7.9

```
      *         *1214790   *         *1214780   *         *1214770   *         *1214760   *         *1214750   *         *1214740   *         *1214730   *         *1214720
5' aatgtaaagaaacggttatgttttggtattaaaagaaagacacaagaagatatgtctgttaccgtcttactctcgcctcac 3'
   -       -     -    -     -    -    -    -    -    -   fMet - ser - val - thr - val - leu - leu - ser - pro - his -
   - met -  ●  -  -    -    -    -  -fMet - val - leu - lys - glu - arg - his - lys - lys - ile - cys - leu - leu - pro - ser - tyr - ser - arg - leu - thr -
                                -fMet - phe - trp - tyr -  ●
```

... sd   ir ycgF_ycgZ-   ir ycgF_ycgZ-   ... sd

p10   4.6 bits [###] orf 5 codons{--------------------------} sd-(13)-ir 1214747 Gap 4.6 bits

... {-------------------------} p35-(23)-p10 1214781 Gap 1.4 bits |--------------------------| sd-ir 1214747 ycgF_ycgZ- total 5.7 bits
... |-------------------------| p35-p10 1214781 total 7.9 bits
       {----------------} sd-(9)-ir 1214781 Gap 2.3 bits
       |----------------| sd-ir 1214781 ycgF ycgZ- total 6.8 bits

sd

```
      *         *1214710   *         *1214700   *         *1214690   *         *1214680
5' ccattaccctggattgttaatgcttaccaccttatta 3'
   - pro - leu - pro - trp - ile - val - asn - ala - tyr - his - pro - tyr - leu -
   - his - tyr - pro - gly - leu - leu - met - leu - thr - thr - leu - ile -
                                   ●         -     -     -     -     -     -
```

... sd   [--------------------------------------- ... NC_000913.ycgF

                  ir ycgF_ycgZ-

{----------------} sd-(8)-ir 1214698 Gap 2.4 bits   [###] ... orf
|----------------| sd-ir 1214698 ycgF_ycgZ- total 7.0 bits