piece 1, NC_000913, ybiS_ybiT-, config: linear, direction: -, begin: 855215, end: 854948

```
         *      *855210   *      *855200   *      *855190   *      *855180   *      *855170   *      *855160   *      *855150   *      *855140   *
5' c t g c a t g g t g a c g t t a c t g g a a a c t a a c a c a g g c g t a t c c t g a a a a g a g a t a t g a c a a a c c g c g c a t t a t g c c a t a a g t c t 3'
   - leu - his - gly - asp - val - thr - gly - asn -   -   -   -   -   -   -   -   -fMet - thr - asn - arg - ala - leu - cys - his - lys - ser -
   -   - cys - met - val - thr - leu - leu - glu - thr - asn - thr - gly - val - ser -   -   -   -   -   -   -   -   -   -   -   -
   -   - ala - trp -   -   -   -   -   -   -   -   -   -   -   -   -fMet - pro -   -   -   -   -   -   -   -
```
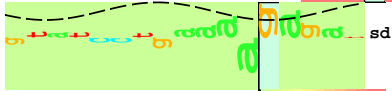
... ---] NC_000913.ybiT

ir ybiS_ybiT-

sd

{-----------} sd-(5)-ir 855164 Gap 5.4 bits
|---------| sd-ir 855164 ybiS_ybiT- total 7.3 bits

```
         *855130   *      *855120   *      *855110   *      *855100   *      *855090   *      *855080   *      *855070   *      *855060   *
5' g a a a g a a g a t c c t g c t c c t c g c t t a a g g t c t a c a c t c a a g c c a a a g g c a a a a a a t g t g a t t t c g t a c a c a t c t g a t t t c a c 3'
   - glu - arg - arg - ser - cys - ser - ser - leu - lys - val - tyr - thr - gln - ala - lys - gly - lys - lys - ser - asp - phe - val - his - ile -   -   -
   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -fMet - ile - ser - tyr - thr - ser - asp - phe - thr -
   -   -   -   -   -   -   -   -   -   -   -fMet -   -
```
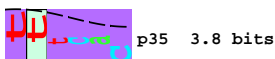
sd
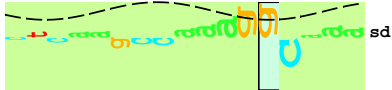
[###> orf 2 codons   [###> orf 35 codons

ir ybiS_ybiT-   p35   3.8 bits

{-----------} sd-(7)-ir 855081 Gap 3.7 bits   {---------- ... p35-(24)-p10 855034 Gap
|-----------| sd-ir 855081 ybiS_ybiT- total 6.3 bits |-------- ... p35-p10 855034 total 9.7

ir ybiS_ybiT-

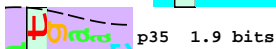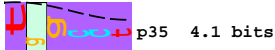{-----------} sd-(9)-ir 855079 Gap 2.3 bits
|-----------| sd-ir 855079 ybiS_ybiT- total 6.0 bits

```
         *855050   *      *855040   *      *855030   *      *855020   *      *855010   *      *855000   *      *854990   *      *854980   *
5' t g t g a g c t g g a a t g a a c t t a t a a t g c g c t t c c a a t a c t c t a a t a t t c t c a a c c c a a t g g c t g c c a g g c a c a a a a t c t c g c 3'
   - val - ser - trp - asn - glu - leu - ile - met - arg - phe - gln - tyr - ser - asn - ile - leu - asn - pro - met - ala - cys - gln - ala - gln - asn - leu - ala -
   -   -   -   -   -fMet - asn - leu -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
```
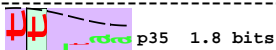
p10   8.4 bits   p10   4.5 bits   p35   4.1 bits

p35   1.9 bits   p10   6.3 bits   {--- ... p35-(26)-p10 854970 Gap

... -------------------------------------} p35-(24)-p10 855034 Gap 2.4 bits   p10   6.0 bits |--- ... p35-p10 854970 total 5.9

... ----------------------------| p35-p10 855034 total 9.7 bits

{-------------------------------------} p35-(23)-p10 855018 Gap 1.4 bits
|-------------------------------------| p35-p10 855018 total 5.0 bits

p35   1.8 bits

{-------------------------------} p35-(22)-p10 855013 Gap 2.3 bits
|-------------------------------| p35-p10 855013 total 5.7 bits

p35   1.6 bits
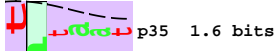
{-----------------------------} p35-(24)-p10 855010 Gap 2.4 bits
|-----------------------------| p35-p10 855010 total 5.1 bits

```
        *854970     *       *854960     *      *854950
  5' t t a a c a t g a a t a t g a a a t t g a a a c 3'
      -         -   -       -   -       -   -       -
              ●       ●         ●         ●
      -         -   -       -   -       -   -       -
      -    -fMet - asn - met - lys - leu - lys -
                   [------------------------------------- ... NC_000913.ybiS
  ... ----} p35-(26)-p10 854970 Gap 3.7 bits
  ... ----| p35-p10 854970 total 5.9 bits
         ↦#↦> orf 37 codons
                  p10  5.6 bits
```