piece 1, NC_000913, yjiK_yjiL-, config: linear, direction: -, begin: 4561974, end: 4561607

```
       *4561970  *      *4561960  *      *4561950  *      *4561940  *      *4561930  *      *4561920  *      *4561910  *      *4561900  *
5' a t t g g t c a a c g a g t g a g g a c a c g c c g a t g a a a g a g t t t t t a t t t t t a t t c a c t c c a c g g t c g g c g t c a t a c a a a c c c g c a 3'
   - ile - gly - gln - arg - val - arg - thr - arg - arg -  -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
   - leu - val - asn - glu -  -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
   - trp - ser - thr - ser - glu - asp - thr - pro - met - lys - glu - phe - leu - phe - leu - phe - his - ser - thr - val - gly - val - ile - gln - thr - arg - lys
```
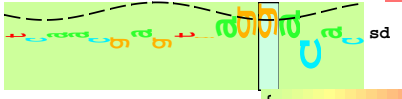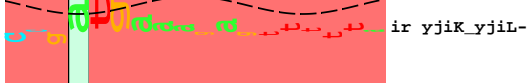
ir yjiK_yjiL-

sd

{----------------} sd-(9)-ir 4561948 Gap 2.3 bits
|----------------| sd-ir 4561948 yjiK_yjiL- total 10.6 bits

```
       *4561890  *      *4561880  *      *4561870  *      *4561860  *      *4561850  *      *4561840  *      *4561830  *      *4561820  *
5' a a g c g t t g c a g g c a g c g g g c a t g a c t t t t c g c g t c a g c g a t a t t c c c c g t g a t t t a c g c g g c g g c t g c g g g t t a t g c a t t 3'
   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -  -fMet - ile - tyr - ala - ala - ala - ala - gly - tyr - ala - phe -
                                                                                                                                      -fMet - his - leu -
   - ala - leu - gln - ala - ala - gly - met - thr - phe - arg - val - ser - asp - ile - pro - arg - asp - leu - arg - gly - gly - cys - gly - leu - cys - ile - trp -
```
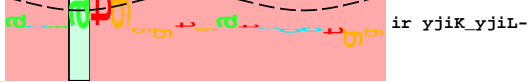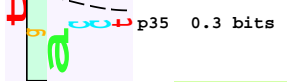
```
       *4561810  *      *4561800  *      *4561790  *      *4561780  *      *4561770  *      *4561760  *      *4561750  *      *4561740  *
5' g g c t g a c c t g t c c c c c c g g c g a g g a a a t a c a a t g g g t g a t c c c t g g g c t g a c t g a g t c a a t t t a t t g c c a g c a g g a t g g t g 3'
   - gly -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -  -fMet - val -
   - ala - asp - leu - ser - pro - arg - arg - gly - asn - thr - met - gly - asp - pro - trp - ala - asp -   -   -   -  -fMet - pro - ala - gly - trp - cys -
   - leu - thr - cys - pro - pro - gly - glu - glu - ile - gln - trp - val - ile - pro - gly - leu - thr - glu - ser - ile - tyr - cys - gln - gln - asp - gly - val -
```

ir yjiK_yjiL-

[----- ... NC_000913.yjiK

p35 0.3 bits

[###> orf 8 codons

sd
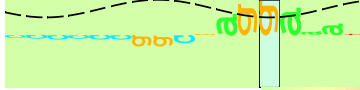
{----------------} sd-(8)-ir 4561781 Gap 2.4 bits
|----------------| sd-ir 4561781 yjiK_yjiL- total 6.6 bits

p10 6.9 bits

{-------------------------------------} p35-(24)-p10 4561784 Gap 2.4 bits
|-------------------------------------| p35-p10 4561784 total 4.8 bits

```
       *4561730  *      *4561720  *      *4561710  *      *4561700  *      *4561690  *      *4561680  *      *4561670  *      *4561660  *
5' t c t g g c g t c a t t g c a c a t t a c g g g g t t t c t c c g c g t t a a g g a t t c a t t a a g g t c g c t a c g t a t a c t t c t c g t a t a t c t t a 3'
   - ser - gly - ala - ala - leu - his - ile - thr - gly - phe - leu - arg - val - lys - asp - ser - leu - arg - ser - leu - arg - ile - leu - leu - asp - ile - leu -
   - leu - ala - leu - his - cys - thr - leu - arg - gly - phe - ser - ala - leu - arg - ile - his -   -   -   -   -   -   -   -   -   -   -   -   -
   - trp - arg - cys - ile - ala - his - tyr - gly - val - ser - pro - arg -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
```
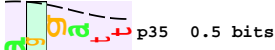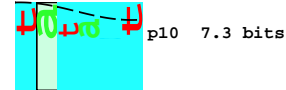
... --- ... NC_000913.yjiK

[###> orf 86 codons

p10 7.3 bits

p35 0.5 bits

{-------------------------------------} p35-(22)-p10 4561668 Gap 2.3 bits
|-------------------------------------| p35-p10 4561668 total 5.4 bits

```
       *4561650  *      *4561640  *      *4561630  *      *4561620  *      *4561610
5' t t g a t t t g c c t t a a a g g g a t t a c c g t g a c a a a a g t a t t c g t t 3'
   - leu - ile - cys - leu - lys - gly - ile - thr - val - thr - lys - ser - ile - ser -
   -   -   -   -   -   -   -   -   -   -   -   -   -   -
   -fMet - pro -   -   -   -   -   -   -   -   -   -   -   -
```
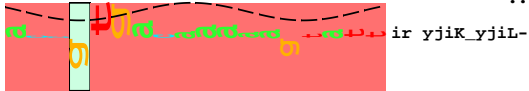
... --- ... NC_000913.yjiK

ir yjiK_yjiL-

sd

{--------------} sd-(7)-ir 4561626 Gap 3.7 bits
|--------------| sd-ir 4561626 yjiK_yjiL- total 11.2 bits