piece 1, NC_000913, yjiK_yjiL+, config: linear, direction: +, begin: 4561597, end: 4561964

```
         *4561600  *      *4561610  *      *4561620  *      *4561630  *      *4561640  *      *4561650  *      *4561660  *      *4561670  *
5' g c g t t t a c t t a a c g a a a t a c t t t t t g t c a c g g t a a t c c c t t t a a g g c a a a t c a a t a a g a t a t c g a g a a g t a t a c g t a g c g a 3'
   - ala - phe - thr -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
   - arg - leu - leu - asn - glu - ile - leu - phe - val - thr - val - ile - pro - leu - arg - gln - ile - asn - lys - ile - ser - arg - ser - ile - arg - ser - asp -
   - val - tyr - leu - thr - lys - tyr - phe - leu - ser - arg -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
... -------------------------------------------------------------------------------------------------------------------- ... NC_000913.yjiK
```

```
         *4561680  *      *4561690  *      *4561700  *      *4561710  *      *4561720  *      *4561730  *      *4561740  *      *4561750  *
5' c c t t a a t g a a t c c t t a a c g c g g a g a a a c c c g t a a t g t g c a a t g c a g c g c c a g a c a c c a t c c t g c t g g c a a t a a a t t g a c t 3'
   -   -   -   -   -   -   -   -   -   -   -   -   -   -fMet - gln - cys - ser - ala - arg - his - his - pro - ala - gly - asn - lys - leu - thr -
   - leu - asn - glu - ser - leu - thr - arg - arg - asn - pro - val - met - cys - asn - ala - ala - pro - asp - thr - ile - leu - leu - ala - ile - asn -   -
   -   - -fMet - asn - pro -   - thr - arg -   -   -   -   -   -fMet - gln - arg - gln - thr - pro - ser - cys - trp - gln -   -   -
... ----------------------------------------------------------------------------------------] NC_000913.yjiK
```
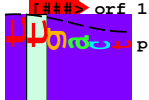
sd

ir yjiK_yjiL+

[###> orf 15 codons

p35   6.5 bits

{-------------------------------} sd-(13)-ir 4561712 Gap 4.6 bits
|-------------------------------| sd-ir 4561712 yjiK_yjiL+ total 8.1 bits

{---------- ... p35-(26)-p10 4561780 Gap
|---------- ... p35-p10 4561780 total 4.5

```
         *4561760  *      *4561770  *      *4561780  *      *4561790  *      *4561800  *      *4561810  *      *4561820  *      *4561830  *
5' c a g t c a g c c c a g g g a t c a c c c a t t g t a t t t c c t c g c g g g g g g a c a g g t c a g c c a a a t g c a t a a c c c g c a g c c g c c g c g t a 3'
   - gln - ser - ala - gln - gly - ser - pro - ile - val - phe - pro - arg - arg - gly - asp - arg - ser - ala - lys - cys - ile - thr - arg - ser - arg - arg - val -
   -   -   -   -   -   - -fMet - tyr - phe - phe - leu - ala - gly - gly - thr - gly - gln - pro - asn - ala -   -
   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   - -fMet - his - asn - pro - gln - pro - pro - arg - lys -
```
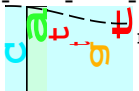
p10   1.7 bits

... --} p35-(26)-p10 4561780 Gap 3.7 bits
... --| p35-p10 4561780 total 4.5 bits

```
        *4561840  *      *4561850  *      *4561860  *      *4561870  *      *4561880  *      *4561890  *      *4561900  *      *4561910  *      *4561920
5' a a t c a c g g g a a t a t c g c t g a c g c g a a a a g t c a t g c c c g c t g c c t g c a a c g c t t t g c g g g t t t g t a t g a c g c c g a c c g t g g 3'
   - asn - his - gly - glu - tyr - arg -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   - -fMet - tyr - asp - ala - asp - arg - gly -
   -   - ser - arg - gly - ile - ser - leu - thr - arg - lys - val - met - pro - ala - ala - cys - asn - ala - leu - arg - val - cys - met - thr - pro - thr - val - glu -
```

```
                  *      *4561930  *      *4561940  *      *4561950  *      *4561960
5' a g t g a a a t a a a a a t a a a a c t c t t t c a t c g g c g t g t c c t c a c t c 3'
   - val - lys -   -   -   -   -   -   -   -   -   -   -   -   -   -
   -   -   -   -   -   -   -   -   -   -   - -fMet - ser - ser - leu -
                                      <------------------------------------ ... NC_000913.yjiL
```