piece 1, NC_000913, yciI_tonB-, config: linear, direction: -, begin: 1309142, end: 1308870

```
         *1309140  *         *1309130  *         *1309120  *         *1309110  *         *1309100  *         *1309090  *         *1309080  *         *1309070  *
5' g g g g a a g c g g c g a g g t a a a t c a a g g g t c a t t g a a g t c a t a a t c a t t t c a g t a g a a a a c c a g g t c t c g a t t t a a a t g c a a 3'
   - gly - glu - ala - ala - arg -   - lys - arg - arg - gly - lys - ser - arg - val - ile - glu - val - ile - ile - ile - ser - val - glu - lys - pro - gly - leu - asp - phe -   -fMet - gln -
         - gly - ser - gly - glu - val - asn - gln - gly - ser - leu - lys - ser -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
... -------------------------------------------------------] NC_000913.tonB                                                                          sd                                              ... ir
```

p35 4.3 bits   {--------------------------} sd-(13)-ir 1309067 Gap 4.6 bits

|------------------------| sd-ir 1309067 yciI_tonB- total 7.1 bits

p10 1.1 bits

{----------------------------} p35-(23)-p10 1309074 Gap 1.4 bits
|----------------------------| p35-p10 1309074 total 4.0 bits

p35 5.6 bits

{-------------------- ... p35-(23)-p10 1309048 Gap
-------------------- ... p35-p10 1309048 total 7.2

```
         *1309060  *         *1309050  *         *1309040  *         *1309030  *         *1309020  *         *1309010  *         *1309000  *         *1308990  *
5' a t a g c a a t c a t a t t c a a t a a g g c a a g a c g a t c a g g a t c a g t g a a a a t g t c a t t t t t g g c g t a a t a c c c t t a c t t t a t g c a 3'
   - ile - ala - ile - ile - phe - asn - lys - ala - arg - arg - ser - gly - ser - val - lys - met - ser - phe - leu - ala -   -   -   -   -   -   -   -   -fMet - his -
     -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   - -fMet -
... ir yciI_tonB-                                   sd                                    p35  3.2 bits    [###> orf 23 codons           p10  3.8 bits
```

p10 3.0 bits   ir yciI_tonB-   p35 3.8 bits

{-------} sd-(5)-ir 1309022 Gap 5.4 bits
|---------| sd-ir 1309022 yciI_tonB- total 5.3 bits

{------------- ... p35-(23)-p10 1308964 Gap
|------------- ... p35-p10 1308964 total 5.8

ir yciI_tonB-

{--------} sd-(11)-ir 1309016 Gap 3.0 bits
|----------------| sd-ir 1309016 yciI_tonB- total 7.8 bits

... {--------------------} p35-(23)-p10 1309048 Gap 1.4 bits   {------------------------------} p35-(24)-p10 1308990 Gap 2.4 bits
... |--------------------| p35-p10 1309048 total 7.2 bits |------------------------------| p35-p10 1308990 total 4.5 bits

```
         *1308980  *         *1308970  *         *1308960  *         *1308950  *         *1308940  *         *1308930  *         *1308920  *         *1308910  *         *1308900
5' t g g c c t t a a c a a a g a c a t c a t c t t t c c g t t g c a g a t c t t c g c c c t t t c a a a t a a c g t a c t t t a c a a c t t t c c c g a a c a a g g 3'
   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
   - gly - leu - asn - lys - asp - ile - ile - phe - pro - leu - gln - ile - phe - ala - leu - ser - asn - asn - val - leu - tyr - asn - phe - pro - glu - gln - gly -
     - ala - leu - thr - lys - thr - ser - ser - phe - arg - cys - arg - ser - ser - pro - phe - gln - ile - thr - tyr - phe - thr - thr - phe - pro - asn - lys - glu -
```

p10 3.5 bits   p35 5.2 bits   p10 3.1 bits   ... sd

... {--------------------} p35-(23)-p10 1308964 Gap 1.4 bits   {--------------------------------} p35-(23)-p10 1308928 Gap 1.4 bits   {-- ... sd-(11)-ir 1308889 Gap
... |--------------------| p35-p10 1308964 total 5.8 bits |- ... sd-ir 1308889 yciI_tonB-

|------------------------------------| p35-p10 1308928 total 6.8 bits

```
                    *         *1308890  *         *1308880  *         *1308870
5' a g t t g t g c c c g t g t g t t g t a t g t t a t t t a c g c 3'
   - val - val - pro - val - leu - tyr - val - ile - tyr -
   - leu - cys - pro - cys - cys - met - leu - phe - thr -
... sd        [--------------------------------------- ... NC_000913.yciI
```

... sd-(11)-ir 1308889 Gap 3.0 bits
... sd-ir 1308889 vciI tonB- total 7.0 bits

ir yciI_tonB-