piece 1, NC_000913, rplL_rpoB-, config: linear, direction: -, begin: 4179297, end: 4178929

```
         *        *4179290  *        *4179280  *        *4179270  *        *4179260  *        *4179250  *        *4179240  *        *4179230  *        *4179220
5' a c g t t t t t c t c g g t a t a g g a g t a a a c c a t a g g g t t c c t c a g c t c g c t g a c a a g t c g a c c a t c t g t c c a t t g a g c g g a c a 3'
  - thr - phe - phe - leu - gly - ile - gly - val - asn - his - arg - val - pro - gln - leu - ala - asp - lys - ser - thr - his - leu - ser - leu - thr -
    - arg - phe - phe - ser - val - ●   - gly - val - asn - his - arg - val - pro - gln - leu - ala - asp - lys - ser - thr - his - leu - ser - ●   - fMet - ser - gly - gln -
      - val - phe - ser - arg - tyr - arg - ser - lys - pro - ●   -     -     -     -     -     ●   -     -     -     -     -     -     ●   -

... ----------------------------------------------------------] NC_000913.rpoB
```

p35 3.2 bits

p35 4.8 bits   p10 2.1 bits

{----------------------------} ... p35-(24)-p10 4179202 Gap
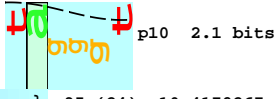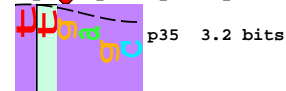
{------------------------------------} p35-(24)-p10 4179267 Gap 2.4 bits

|------------------------------| ... p35-p10 4179202 total 5.9

|------------------------------------| p35-p10 4179267 total 4.5 bits

```
         *        *4179210  *        *4179200  *        *4179190  *        *4179180  *        *4179170  *        *4179160  *        *4179150  *        *4179140
5' g t t t g t g c a a c a c t a t t t t g t t g a c c g g a a a a t g g a a c a c t t t c c g c a a t g c c t g t t g c t a t c a c g c t t a a a c c a t t t c a t 3'
  - val - cys - ala - thr - leu - phe - cys - ●   -                                         - fMet - pro - val - ala - ile - thr - leu - lys - pro - phe - his -
    - phe - val - gln - his - tyr - phe - val - asp - arg - lys - met - glu - his - phe - pro - gln - cys - leu - leu - leu - ser - arg - leu - ●   -
      - fMet - cys - asn - thr - ile - leu - leu - thr - gly - lys - trp - asn - thr - phe - arg - asn - ala - cys - cys - tyr - his - ala -     -     -     - fMet -
```

sd   ir rplL_rpoB-

... {----------------} p35-(24)-p10 4179202 Gap 2.4 bits   {------------------------} sd-(14)-ir 4179168 Gap 4.9 bits
... |----------------------------| p35-p10 4179202 total 5.9 bits |------------------------| sd-ir 4179168 rplL_rpoB- total 6.0 bits
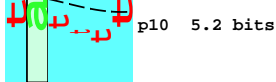
p10 5.2 bits

```
         *        *4179130  *        *4179120  *        *4179110  *        *4179100  *        *4179090  *        *4179080  *        *4179070  *        *4179060  *
5' t g c g a t t a c a c a g a a c g g a c g t c c t g t c g c a g t a t a t t a a g t c g t c g a t a g a a a c a a g c a t t g a a a g g c a c a g c a g t a g t 3'
  - cys - asp - leu - his - arg - thr - asp - val - leu - ser - gln - tyr - ile - lys - ser - ser - ile - glu - thr - ser - ile - glu - arg - his - ser - ser - ser -
    - ala - ile - tyr - thr - glu - arg - thr - ser - cys - arg - ser - ile - leu - ser - arg - arg - ●   -     - fMet - lys - gly - thr - ala - val - val -
      - arg - phe - thr - gln - asn - gly - arg - pro - val - ala - val - tyr - ●   -     -     -     -     -     -     -     -     -     ●   -
```
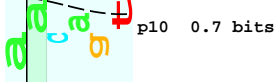
p35 6.4 bits
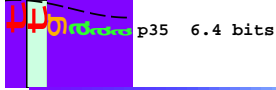
{-----------------------------} ... p35-(22)-p10 4179051 Gap

|-------------------------------------| ... p35-p10 4179051 total 4.8

```
         *4179050  *        *4179040  *        *4179030  *        *4179020  *        *4179010  *        *4179000  *        *4178990  *        *4178980  *
5' c a a a c a g t g t g a a a c g c t a c t g g c g c c t t a c a g c g c a a a a g g c t g g t g a c t a a a a a g t c a c c a g c c a t c a g c c t g a t t t c 3'
  - gln - thr - val - ●   -                                                                                                                               -
    - lys - gln - cys - glu - thr - leu - leu - ala - pro - tyr - ser - ala - lys - arg - leu - val - thr - lys - lys - ser - pro - ala - ile - ser - leu - ile - ser -
      - fMet - lys - arg - tyr - trp - arg - leu - thr - ala - gln - lys - gly - trp - ●   -     -     -     -     -     -     ●   -
```

[###]> orf 42 codons

... {------} p35-(22)-p10 4179051 Gap 2.3 bits
... |------| p35-p10 4179051 total 4.8 bits

p10 0.7 bits

```
         *4178970  *        *4178960  *        *4178950  *        *4178940  *        *4178930
5' t c a g g c t g c a a c c g g a a g g g t t g g c t t a t t t a a c t t c a a c t t c a g 3'
  - gln - ala - ala - thr - gly - arg - val - gly - leu - phe - asn - phe - asn - phe -
    -     -     -     -     -     -     - fMet - ala - tyr - leu - thr - ser - thr - ser -
```

<------------------------------------- ... NC_000913.rplL