- 1 -

piece 1, NC_000913, prpR_prpB+, config: linear, direction: +, begin: 347638, end: 347925

```
      *347640    *      *347650    *      *347660    *      *347670    *      *347680    *      *347690    *      *347700    *      *347710    *
5' gtcgtcattaagccgtggtggatgtgccatagcgcaccgcaaagttaagaaaccgaatattgggtttagtcttgtttcata 3'
   - val - val - ile - lys - pro - trp - trp - met - cys - his - ser - ala - pro - gln - ser -   -   -   -   -   -   -   -   -
      - arg - his -   ●   -       -fMet - val - asp - val - pro -   -   -   -   -   -   -   -  -fMet - gly - leu - val - leu - phe - his - asn -
   ------------------------------------------------------------------] NC_000913.prpR
```

```
      *347720    *      *347730    *      *347740    *      *347750    *      *347760    *      *347770    *      *347780    *      *347790    *
5' attgttgcaatgaaacgcggtgaaacattgcctgaaacgttaactgaaacgcatatttgcggattagttcatgactttatc 3'
   -   -   -  -fMet - lys - arg - gly - glu - thr - leu - pro - glu - thr - leu - thr - glu - thr - his - ile - cys - gly - leu - val - his - asp - phe - ile -
   -fMet - leu - gln -   -   -   -fMet - lys - his - cys - leu - lys - arg -   -   -   -   -   -   -fMet - arg - ile - ser - ser -  -fMet - thr - leu - ser -
      - cys - cys - asn - glu - thr - arg -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   ... ir
```

p35   6.2 bits

p10   3.6 bits

sd

{--------------} sd-(9)-ir 347789 Gap 2.3 bits
--------------| sd-ir 347789 prpR_prpB+ total 10.0 bits

{---} p35-(24)-p10 347771 Gap 2.4 bits
---| p35-p10 347771 total 7.4 bits

```
      *347800    *      *347810    *      *347820    *      *347830    *      *347840    *      *347850    *      *347860    *      *347870    *      *347880
5' tctaacaattgaaaattaaacatttaatttttattaaggcaattgtggcacacccctgctttgtctttatcaacgcaaata 3'
   - ser - asn - lys - leu - lys - asn - ile -   -   -   -   -   -   -fMet - ser - leu - ser - thr - gln - ile -
   - leu - thr - asn -   -   -   -   -   -   -   -   -   -  -fMet - ala - his - pro - leu - leu - cys - leu - tyr - gln - arg - lys -
                                            -fMet - trp - his - thr - pro - cys - phe - val - phe - ile - asn - ala - asn - asn -
   ... ir prpR_prpB+                                            ir prpR_prpB+                                    [###  ... orf
```

[###> orf 8 codons

sd

p35   5.6 bits

{-----------} sd-(6)-ir 347843 Gap 4.3 bits
-----------| sd-ir 347843 prpR_prpB+ total 6.7 bits

{--------------------------------------- ... p35-(22)-p10 347883 Gap
-- ... p35-p10 347883 total 4.2

```
         *         *347890    *      *347900    *      *347910    *      *347920    *
5' acaagttgataacaaaggatgggctatgtctctacactctccagg 3'
   - thr - ser -   ●   -   -   -   -  -fMet - gly - tyr - val - ser - thr - leu - ser - arg -
      - lys - leu - ile - thr - lys - asp - gly - leu - cys - leu - tyr - thr - leu - gln -
   ... > orf 13 codons                    [-------------------------------- ... NC_000913.prpB
```

p10   0.9 bits

ir prpR_prpB+

... ----} p35-(22)-p10 347883 Gap 2.3 bits

sd

... ----| p35-p10 347883 total 4.2 bits

{--------------} sd-(8)-ir 347906 Gap 2.4 bits
--------------| sd-ir 347906 prpR_prpB+ total 11.1 bits