piece 1, NC_000913, nlpA_yicS+, config: linear, direction: +, begin: 3837987, end: 3838257

```
        *3837990  *      *3838000  *      *3838010  *      *3838020  *      *3838030  *      *3838040  *      *3838050  *      *3838060  *
5' tgtccgtagatgatgtgttgtcagtttcattttttatccttttattaatgattacctgactatagcggtaaggtcgctgc 3'
   -  cys - pro -   -fMet - met - cys - cys - gln - phe - his - phe - phe - ile - leu - leu - leu - met - ile - thr -   -   -   -   -   -   -   -
   -  val - arg - arg -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
   -  ser - val - asp - asp - val - leu - ser - val - ser - phe - phe - tyr - pro - phe - ile - asn - asp - tyr - leu - thr - ile - ala - val - arg - ser - leu - arg -
```

... ---] NC_000913.nlpA

p10   3.2 bits

p35   0.7 bits

p10   5.2 bits

p35-(23)-p10 3838023 Gap 1.4 bits
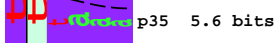p35-p10 3838023 total 4.5 bits

p35   5.5 bits

p10   2.6 bits

p35-(23)-p10 3838028 Gap 1.4 bits
p35-p10 3838028 total 7.3 bits
p35-(24)-p10 3838029 Gap 2.4 bits
p35-p10 3838029 total 5.7 bits

p35   5.3 bits

p10   2.7 bits

p35-(23)-p10 3838035 Gap 1.4 bits
p35-p10 3838035 total 6.5 bits

```
        *3838070  *      *3838080  *      *3838090  *      *3838100  *      *3838110  *      *3838120  *      *3838130  *      *3838140  *
5' ggtttaaaaaacgaaacgctatcgataagaataaaaaggaataaaagtggaatataaagtctggcacttcttactgaccac 3'
   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -fMet - glu - tyr - lys - val - trp - his - phe - leu - leu - thr - thr -
   -   phe - lys - lys - arg - asn - ala - ile - asp - lys - asn - lys - lys - glu -   -   -   -   -   -   -   -   -   -   -   -   -
```

p35   5.6 bits

p10   2.8 bits

ir nlpA_yicS+

sd
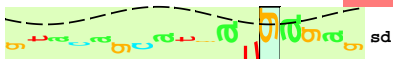
sd-(8)-ir 3838114 Gap 2.4 bits
sd-ir 3838114 nlpA_yicS+ total 13.6 bits

p35-(24)-p10 3838095 Gap 2.4 bits
p35-p10 3838095 total 5.9 bits

```
        *3838150  *      *3838160  *      *3838170  *      *3838180  *      *3838190  *      *3838200  *      *3838210  *      *3838220  *
5' gcaagcgcgtttcgtacagcatgatgagagcgatgaaagcaaactacacttatgcttcattcgatacacatttgtaaaagg 3'
   -   -   -   -   -   -   -   -   -   -fMet - leu - his - ser - ile - his - ile - cys - lys - arg -
   gln - ala - arg - phe - val - gln - his - asp - glu - ser - asp - glu - ser - lys - leu - his - leu - cys - phe - ile - arg - tyr - thr - phe - val - lys - gly -
   -   -   -   -   -   -fMet - met - arg - ala - met - lys - ala - asn - tyr - thr - tyr - ala - ser - phe - asp - thr - his - leu -   -   -   -
```
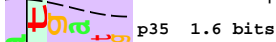
ir nlpA_yicS+

[###]> orf 15 codons

sd

p10   5.8 bits

... sd

sd-(7)-ir 3838181 Gap 3.7 bits
sd-ir 3838181 nlpA_yicS+ total 6.9 bits

{- ... sd-(9)-ir 3838238 Gap
- ... sd-ir 3838238 nlpA_yicS+

p35   1.6 bits

p35-(24)-p10 3838194 Gap 2.4 bits
p35-p10 3838194 total 5.0 bits

```
            *3838230  *        *3838240   *        *3838250   *
        5' t t g a a t c c a t g a a a c c a a c g a c a c t a c t 3'
           - leu -  asn - pro -   -     -     -     -     -    -fMet

           -      -        -fMet - lys - pro - thr - thr - leu -
                                                                     ... NC_000913.yicS

        ...        sd                                    ir nlpA_yicS+


        ...                        } sd-(9)-ir 3838238 Gap 2.3 bits
        ...                        | sd-ir 3838238 nlpA_yicS+ total 11.9 bits
              [###> orf 40 codons
```