piece 1, NC_000913, ydbK_ydbJ+, config: linear, direction: +, begin: 1438779, end: 1439101

```
       *1438780  *       *1438790  *       *1438800  *       *1438810  *       *1438820  *       *1438830  *       *1438840  *       *1438850  *
5' aaccgcgccattaccgtcaatagtaatcatatgacacccttacattgcgcaaatgaggggcgcacgaaattgctgcgcgcc 3'
  - asn - arg - ala - ile - thr - val - asn - ser - asn - his - met - thr - pro - leu - his - cys - ala - asn - glu - gly - arg - thr - lys - leu - leu - arg - ala -
  - thr - ala - pro - leu - pro - ser - ile - val - ile - his - -fMet - arg - gly - ala - arg - asn - cys - cys - ala - pro -
  - pro - arg - his - tyr - arg - gln - -fMet - arg - lys - - - - - - - - ala - pro -
... ---------------------------------------------------] NC_000913.ydbK
```
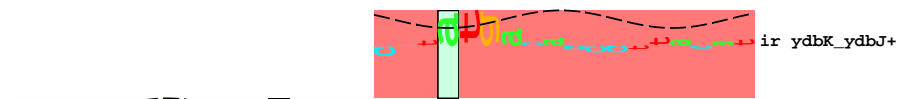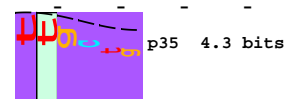
p35 4.3 bits

ir ydbK_ydbJ+

{---------------------} ... p35-(24)-p10 1438873 Gap

|--------------------- ... p35-p10 1438873 total 4.9

sd

{------------------} sd-(8)-ir 1438809 Gap 2.4 bits
|------------------| sd-ir 1438809 ydbK_ydbJ+ total 5.3 bits

```
       *1438860  *       *1438870  *       *1438880  *       *1438890  *       *1438900  *       *1438910  *       *1438920  *       *1438930  *       *1438940
5' cagtagtaatctttcaattttagcaaatggctttcttctgcattttcgcttttgtgtcccccacatcagcgtaatgaatgt 3'
  - gln - ser - ser - asn - leu - ser - ile - leu - ala - asn - gly - phe - leu - leu - his - phe - arg - phe - cys - val - pro - his - ile - ser - val - met - asn -
  - -fMet - ala - phe - phe - cys - ile - phe - ala - phe - val - ser - pro - thr - ser - ala - -fMet - phe -
  - -fMet - cys - pro - pro - his - gln - arg - asn - glu - cys -
```
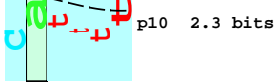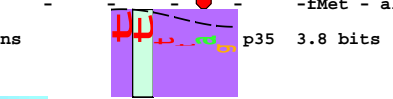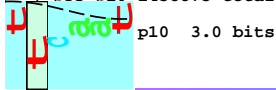
orf 19 codons

p35 3.8 bits

p10 2.3 bits

...{------------------} p35-(24)-p10 1438873 Gap 2.4 bits
... ------------------| p35-p10 1438873 total 4.9 bits

{--- ... p35-(23)-p10 1438962 Gap
|--- ... p35-p10 1438962 total 4.2

p10 3.0 bits

{------------------------------------} p35-(23)-p10 1438901 Gap 1.4 bits
|------------------------------------| p35-p10 1438901 total 4.6 bits

```
          *         *1438950  *       *1438960  *       *1438970  *       *1438980  *       *1438990  *       *1439000  *       *1439010  *       *1439020
5' tttgatcaaacagagggcaaaaaaaatagccataaaaaagtaaaatgcgggccaacgcgcaggacagctctcgacgccgcc 3'
  - phe - asp - gln - thr - glu - gly - lys - lys - ile - ala - ile - lys - lys -
  - leu - ile - lys - gln - arg - ala - lys - lys -
  - -fMet - arg - gly - asn - ala - gln - asp - ser - ser - arg - arg - arg - pro -
```

p35 1.8 bits

p10 3.8 bits

...{------------------------------------} p35-(23)-p10 1438962 Gap 1.4 bits
... ------------------------------------| p35-p10 1438962 total 4.2 bits

```
          *         *1439030  *       *1439040  *       *1439050  *       *1439060  *       *1439070  *       *1439080  *       *1439090  *       *1439100
5' ctctgtgctgcctattatttatggcggtgtcgtttggcttgaagatcagaggaagaaaagatgcgagcagcgtttgggt 3'
  - -fMet - leu - pro - ile - ile - tyr - gly - gly - val - val - trp - leu - glu - asp - gln - arg - lys - lys - arg - cys - glu - gln - arg - phe - gly -
  - -fMet - ala - -fMet - arg - ala - ala - phe - trp -
  - leu - cys - cys - leu - leu - phe - met - ala - val - ser - phe - gly - leu - lys - ile - arg - gly - arg - lys - asp - ala - ser - ser - val - leu - gly -
```
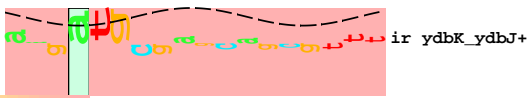
sd

[------------------------------------ ... NC_000913.ydbJ

ir ydbK_ydbJ+

{------------------} sd-(9)-ir 1439082 Gap 2.3 bits
|------------------| sd-ir 1439082 ydbK_ydbJ+ total 9.4 bits