piece 1, NC_000913, yihQ_yihR+, config: linear, direction: +, begin: 4067270, end: 4067517

```
        *4067270  *     *4067280  *     *4067290  *     *4067300  *     *4067310  *     *4067320  *     *4067330  *     *4067340  *     *4067350
5' atctaataactgtggacgtggcgtatccataactaatctccatagagttgagaacgagattgttgccttcctgttattaca 3'
   - ile -   - ser - asn - asn - cys - gly - arg - gly - val - ser - ile - thr - asn - leu - his - arg - val - glu - asn - glu - ile - val - ala - phe - leu - leu - leu - gln -
        - leu - ile - thr - val - asp - val - ala - tyr - pro -         -fMet - arg - thr - arg - leu - leu - pro - ser - cys - tyr - tyr - arg -
... ------------------------------------------------------] NC_000913.yihQ                                                          ... sd
```

p35   3.4 bits   p10   5.2 bits

{-------------------------------} p35-(21)-p10 4067304 Gap 3.3 bits
|-------------------------------| p35-p10 4067304 total 5.3 bits

```
        *         *4067360  *     *4067370  *     *4067380  *     *4067390  *     *4067400  *     *4067410  *     *4067420  *     *4067430
5' ggcttatgtaaaatgattctcataaaactgatatataaaaactttacagaagctgagctgtttttaacttaataaattgaa 3'
                      -fMet - ile - leu - ile - lys - leu - ile - lys - lys - asn - phe - thr - glu - ala - glu - leu - phe - leu - thr -           -fMet - lys -
   - ala - tyr - val - lys -                                                                                                        - leu - met -
... sd                    ir yihQ_yihR+                    p35   5.5 bits                                          [###> orf 20 codons
```

{-----------------} sd-(11)-ir 4067363 Gap 3.0 bits   ... sd

|-------------------| sd-ir 4067363 yihQ_yihR+ total 11.7 bits

p10   2.6 bits

{------------------------------} p35-(21)-p10 4067415 Gap 3.3 bits
|------------------------------| p35-p10 4067415 total 4.8 bits

p10   3.7 bits

{------------------------------} p35-(22)-p10 4067416 Gap 2.3 bits
|------------------------------| p35-p10 4067416 total 6.9 bits

p35   4.1 bits

{----------------------------- ... p35-(23)-p10 4067437 Gap
|----------------------------- ... p35-p10 4067437 total 8.2

p35   4.7 bits

{----------------------------- ... p35-(26)-p10 4067439 Gap
|----------------------------- ... p35-p10 4067439 total 4.8

```
        *         *4067440  *     *4067450  *     *4067460  *     *4067470  *     *4067480  *     *4067490  *     *4067500  *     *4067510
5' gatacataatgttgcctttagcgagtgaaatgttcttcaatgatttttgactgctaatcaatacaagttatttctctgtcc 3'
   - ile - his - asn - val - ala - phe - ser - glu -        -fMet - lys - cys - ser - ser - met - ile - leu - thr - ala - asn - gln - tyr - lys - leu - phe - ser - leu - ser -
        -fMet - leu - pro - leu - ala - ser - glu - met - phe - phe - asn - asp - phe - asp - cys -
                      ir yihQ_yihR+                    p10   3.0 bits              [###> orf 16 codons         <----------------------------- ... NC_000913.yihR
```

p35   6.5 bits   p10   5.2 bits

... sd   p10   3.8 bits

{-----------------} sd-(8)-ir 4067440 Gap 2.4 bits   {----------------------------} p35-(22)-p10 4067500 Gap 2.3 bits
|-----------------| sd-ir 4067440 yihQ_yihR+ total 7.7 bits |----------------------------| p35-p10 4067500 total 9.4 bits

p10   5.5 bits

p10   2.1 bits

p35   6.2 bits

{- -} p35-(24)-p10 4067502 Gap 2.4 bits

{- -} p35-(24)-p10 4067468 Gap 2.4 bits

|- -| p35-p10 4067468 total 6.8 bits

|- -| p35-p10 4067502 total 6.2 bits

... - - - - - - - - -} p35-(23)-p10 4067437 Gap 1.4 bits

... - - - - - - - - -| p35-p10 4067437 total 8.2 bits

... - - - - - - - - - - - -} p35-(26)-p10 4067439 Gap 3.7 bits

... - - - - - - - - - - - -| p35-p10 4067439 total 4.8 bits

```
             *
   5' g t a a a 3'
      -  val -
      -   ●   -
      -       -
...  - - - - - - - - - -  ... NC_000913.yihR
```