piece 1, NC_000913, mqsR_ygiV+, config: linear, direction: +, begin: 3166537, end: 3166790

```
          *3166540  *        *3166550  *        *3166560  *        *3166570  *        *3166580  *        *3166590  *        *3166600  *        *3166610  *
5' caaacgtgtatgtggtgtgcgttttccataaccccgcctccctgttactttagttataacctaaaggttaattacagc 3'
    - gln - thr - cys - met - trp - cys - ala - phe - phe - his - asn - pro - arg - leu - pro - val - thr - leu - val - ile - thr -  -   -   -   -   -   -
      - lys - arg - val - cys - gly - val - arg - phe - ser - ile - thr - pro - ala - ser - leu - leu - leu -  -   -   -   -   -   -   -   -   -
        - asn - val - tyr - val - val - cys - val - phe - pro -  -   -   -   -   -   -   -   -   -   -   -   -   -
```

p35 5.2 bits

sd

... ir

p10 3.8 bits

{------------------------------ ... sd-(13)-ir 3166619 Gap

{--| p35-(24)-p10 3166585 Gap 2.4 bits
|--| p35-p10 3166585 total 6.5 bits

|---------------------- ... sd-ir 3166619 mqsR_ygiV+

```
          *3166620  *        *3166630  *        *3166640  *        *3166650  *        *3166660  *        *3166670  *        *3166680  *        *3166690  *
5' aatgaaaagcacctaaaaggttagttagatgtacggatagtgaccacacaaacgtattctttaaggaaagtgattga 3'
    -fMet - lys - lys - his - leu - lys - gly -  -   -   -   -   -fMet - thr - thr - gln - asn - val - phe - phe - lys - glu - ser - asp -  -
       -fMet - tyr - gly - asp - ser - asp - his - thr - lys - arg - ile - leu -  -   -   -fMet - ile - asp -
                                                                                          -fMet - thr -
```

ir mqsR_ygiV+

ir mqsR_ygiV+

[###> orf 13 codons   [###> orf 13 codons

... --} sd-(13)-ir 3166619 Gap 4.6 bits   [###> orf 8 codons   ir mqsR_ygiV+   ... ir

... --| sd-ir 3166619 mqsR_ygiV+ total 13.2 bits

sd   sd

sd   {-----------} sd-(6)-ir 3166660 Gap 4.3 bits   {--------} sd-(4)-ir 3166691 Gap 9.3 bits

{----------------} sd-(9)-ir 3166647 Gap 2.3 bits |-------| sd-ir 3166691 mqsR_ygiV+ total 5.7 bits

|---------------| sd-ir 3166647 mqsR_ygiV+ total 6.6 bits   ... ir

|-----------| sd-ir 3166660 mqsR_ygiV+ total 8.5 bits   {-------------} sd-(8)-ir 3166695 Gap 2.4 bits
|--------------| sd-ir 3166695 mqsR_ygiV+ total 7.7 b

p35 4.7 bits

{-------------------------| ... p35-(21)-p10 3166703 Gap
|-----------------------------| ... p35-p10 3166703 total 4.7

```
          *3166700  *        *3166710  *        *3166720  *        *3166730  *        *3166740  *        *3166750  *        *3166760  *        *3166770  *
5' ccatataagaaagtggcgcattagtagcgccagtttgaagcaggaatttataaggaagctggagtcaggcatcacgccaa 3'
    -   -   -fMet - ala - his -  -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
      - his - ile - arg - lys - trp - arg - ile - ser - ser - ala - ser - leu - lys - gln - glu - phe - ile - arg - glu - ala - gly - val - arg - his - his - ala - asn -
        - ile -
```

[###> orf 4 codons

<---------------- ... NC_000913.ygiV

... ir mqsR_ygiV+

p10 3.3 bits

... ir mqsR_ygiV+

```
...  --------} p35-(21)-p10 3166703 Gap 3.3 bits
...  --------| p35-p10 3166703 total 4.7 bits

      *3166780  *      *3166790
  5' c g g c a c a t a a a 3'
      -   -   -   -   -   -
      - gly - thr - ● -
      -   -   -   -   -   -
...  --------------------- ... NC_000913.ygiV
                  [###> orf 33 codons
```