piece 1, NC_000913, ydiP_ydiQ-, config: linear, direction: -, begin: 1777670, end: 1777306

```
        *1777670   *      *1777660   *      *1777650   *      *1777640   *      *1777630   *      *1777620   *      *1777610   *      *1777600   *      *1777590
5' caccagcttaaagcaggttattattttcatgatttctcctgtgagtcgcatacggaaccatctccgatggaaggtaaaaat 3'
    - his - gln - leu - lys - ala - gly - tyr - tyr - phe - his - asp - phe - ser - cys - glu - ser - his - thr - glu - pro - ser - pro - met - glu - gly - lys - asn -
    - thr - ser - leu - lys - gln - val - ile - ile - phe - met - ile - ser - pro - val - ser - arg - ile - arg - asn - his - leu - arg - trp - lys - val - lys - met -
    - pro - ala -                                      phe     met - ile                           val - ser                    arg                    trp - lys -
```

... --] NC_000913.ydiQ   sd   ir ydiP_ydiQ-

sd   ir ydiP_ydiQ-   {----------------------} sd-(12)-ir 1777604 Gap 4.0 bits

{---------------------} sd-(12)-ir 1777642 Gap 4.0 bits |----------------------| sd-ir 1777604 ydiP_ydiO- total 5.6 bits

|----------------------| sd-ir 1777642 ydiP_ydiQ- total 7.2 bits   ... ir

sd

{----------} sd-(6)-ir 1777591 Gap 4.3 bits

|----------| sd-ir 1777591 ydiP_ydiQ- total 6

```
        *         *1777580   *      *1777570   *      *1777560   *      *1777550   *      *1777540   *      *1777530   *      *1777520   *      *1777510
5' ggcctgaaaatagtgtgcgatagcggtgcggggttttcgacggagcaagctgtttccttgccaacaatcttgcaaaaaaa 3'
    - gly - leu - lys - ile - val - cys - asp - ser - gly - ala - gly - phe - ser - thr - glu - gln - ala - val - phe - leu - ala - asn - asn - leu - ala - lys - lys -
    - ala -                                          -fMet - arg - gly - phe - arg - arg - ser - lys - leu - phe - ser - leu - pro - thr - ile - leu - gln - lys - lys -
                            -fMet - arg
```

[###> orf 20 codons   p35 5.3 bits   ... p10

p35-(24)-p10 1777511 Gap 2.4 bits

p35-p10 1777511 total 6.7 bits

... ir ydiP_ydiQ-   p35 6.1 bits

{----------------} ... p35-(21)-p10 1777497 Gap

|----------------| ... p35-p10 1777497 total 6.1

```
        *         *1777500   *      *1777490   *      *1777480   *      *1777470   *      *1777460   *      *1777450   *      *1777440   *      *1777430
5' atcgatcgctaaaacaaaagtgcaattgcggcaattatagttattccatgacgtacaatcttgcattcagtgtaataa 3'
    - met - arg - ser - leu - lys - gln - lys - cys - asn - leu - arg - gln - tyr - ser - tyr - ser - met - thr - val - gln - ser - cys - ile - gln - cys - lys -
    - cys - asp - arg -                                                                                                                                     
                                        -fMet - gln - phe - ala - ala - ile -                           -fMet - his - ser - val -
```

... p10 3.8 bits   p10 3.3 bits   [###> orf 59 codons

... {--------------------} p35-(21)-p10 1777497 Gap 3.3 bits

... |--------------------| p35-p10 1777497 total 6.1 bits

```
        *         *1777420   *      *1777410   *      *1777400   *      *1777390   *      *1777380   *      *1777370   *      *1777360   *      *1777350
5' tcttgtttagctctcagctctaaacgcggttgtataaccgcaatacacgccgtattttatccggcatatattgtttttgcttgc 3'
    -fMet - phe - leu - leu - ala -
    -fMet - phe - ser - ser - arg -                  -fMet - tyr - asn - arg - asn - thr - arg - arg - ile - leu - ser - gly - ile - tyr - cys - phe - cys - leu - leu -
```

p35 5.7 bits   p10 5.2 bits

{----------------------} p35-(23)-p10 1777377 Gap 1.4 bits

|----------------------| p35-p10 1777377 total 9.4 bits

p10 3.2 bits

```
                                                                    } p35-(25)-p10 1777375 Gap 4.0 bits
                                                                    | p35-p10 1777375 total 4.8 bits

        *       *1777340  *       *1777330  *       *1777320  *       *1777310
5' t c a t g g a a t a g g g a g g t t g t c a t g t a t c a a c g c t g t t t t g a 3'
    -   -   -   -   -   -   -   -   -  -fMet - tyr - gln - arg - cys - phe -
    -  his - gly - ile - gly - arg - leu - ser - cys - ile - asn - ala - val - leu -
    - met - glu - ●  -   -   -   -   -   -   -   -   -   - ● -

                                sd    [------------------------------------ ... NC_000913.ydiP

                                                                ir ydiP_ydiQ-

        {------------------} sd-(9)-ir 1777325 Gap 2.3 bits
        |------------------| sd-ir 1777325 ydiP_ydiQ- total 9.4 bits
```