piece 1, NC_000913, ynfM_asr-, config: linear, direction: -, begin: 1669429, end: 1668957

```
        *      *1669420  *      *1669410  *      *1669400  *      *1669390  *      *1669380  *      *1669370  *      *1669360  *      *1669350
5' ggcaacaaccagagctaatacttttttcattgtcatacctcaattgtttttttcatttaacccactgcggggccgttga 3'
   - gly - asn - asn - gln - ser -                              -fMet - phe - phe - his - leu - thr - pro - leu - arg - gly - arg -   -
     - ala - thr - thr - arg - ala - asn - thr - phe - phe - ile - val - ile - pro - ser - ile - cys - phe - phe - ile -         -
       - gln - gln - pro - glu - leu - ile - leu - phe - ser - leu - ser - tyr - pro - gln - phe - val - ser - phe - asn - pro - thr - ala - gly - pro - leu - lys -
```

... ---] NC_000913.asr

p10   1.3 bits

p35   5.3 bits

p10   2.4 bits

p35-(24)-p10 1669380 Gap 2.4 bits
p35-p10 1669380 total 4.2 bits

p35   5.5 bits

p10   1.2 bits

p35-(22)-p10 1669377 Gap 2.3 bits
p35-p10 1669377 total 5.6 bits
p35-(23)-p10 1669376 Gap 1.4 bits
p35-p10 1669376 total 5.2 bits

```
        *      *1669340  *      *1669330  *      *1669320  *      *1669310  *      *1669300  *      *1669290  *      *1669280  *      *1669270
5' aataactatatccctgggaatggcagacttccgtgagtggtttggtttcagcgtgtaacgatatgtacaaacgctgaataaa 3'
                                        -fMet - val - gly - phe - ser - val -                                      -
                         -fMet - ala - asp - phe - arg - glu - trp - leu - val - ser - ala - cys - asn - asp - met - tyr - lys - arg -   -
                           -fMet - ser - gly - trp - phe - gln - arg - val - thr - ile - cys - thr - asn - ala - glu -   -
```

```
        *      *1669260  *      *1669250  *      *1669240  *      *1669230  *      *1669220  *      *1669210  *      *1669200  *      *1669190
5' ttacgcgttgataataacgtattgtactgaagggaaatttagctaccaataatagtagtcttgatcgggttaactattt 3'
                             -fMet - thr -                                                                  -
                       -fMet - ile - ile - thr - tyr - cys - asp - leu - arg - glu - ile -                   -fMet - ile - gly - leu - thr - ile - leu -
```

```
        *      *1669180  *      *1669170  *      *1669160  *      *1669150  *      *1669140  *      *1669130  *      *1669120  *      *1669110
5' tactacttacaaagcagtagtaaactgcgcagtaatgacacacagcaaatgaatccgtttatttgggtactt 3'
                                                        -fMet - thr - his - ser - lys - met - asn - pro - phe - ile - trp - val - leu -
   - leu - leu - thr - lys - gln -                                                           -fMet - gly - thr - tyr -
```

sd

ir ynfM_asr-   ... p10

sd-(13)-ir 1669129 Gap 4.6 bits
sd-ir 1669129 ynfM_asr- total 8.0 bits

p35   3.5 bits

... p35-(23)-p10 1669105 Gap
... p35-p10 1669105 total 10.

```
        *      *1669100  *      *1669090  *      *1669080  *      *1669070  *      *1669060  *      *1669050  *      *1669040  *      *1669030  *
5' ataatcctgatgacgctagacgcgctgcgggaattggctggcgcttcgtctatttaggatggctattaacgttggtttga 3'
   - ile - ile - leu - met - thr - leu - asp - ala - leu - arg - glu - leu - ala - gly - ala - ser - ser - ile - leu - gly - trp - leu - leu - thr - leu - val -   -
     - asn - pro - asp - asp - ala - arg - arg - ala - ala - gly - ile - gly - trp - arg - phe - val - tyr - phe - arg - met - ala - ile - asn - val - gly - leu - ser -
```

... p10   8.4 bits

[###> orf 35 codons

... } p35-(23)-p10 1669105 Gap 1.4 bits
... | p35-p10 1669105 total 10.4 bits

```
        *      *1669020  *      *1669010  *      *1669000  *      *1668990  *      *1668980  *      *1668970  *      *1668960
5' gctggcaataagtccggacgggtatttaccgcagtccggacttatttttcaggcgtgcagacgacgat 3'
                                                                      -fMet - gln - thr - thr -
   - trp - gln -                                                             -
```

```
<--------------------------------------- ... NC_000913.ynfM
```