- 1 -

piece 1, NC_000913, yecM_argS-, config: linear, direction: -, begin: 1958115, end: 1957851

```
         *      *1958110  *      *1958100  *      *1958090  *      *1958080  *      *1958070  *      *1958060  *      *1958050  *      *1958040  *
5' t t t t t c t g a g a g a a g a g c c t g a a t a t t c a c c g g a a t a c c t t a c a t t g a t g a a g c g a g c a a a a a t t g c c c g c a c c a g t t a a a 3'
   - phe - phe -                                                                           - - - - - - - -fMet - pro - ala - pro - val - lys -
   - phe - ser - glu - arg - arg - ala - -                                                 - - - - - -
      - phe - leu - arg - glu - glu - pro - glu - tyr - ser - pro - glu - tyr - leu - thr - leu - met - lys - arg - ala - lys - ile - ala - arg - thr - ser -
... -----------------------------------------------] NC_000913.argS
```

ir yecM_argS-   [###]> orf 11 codons

sd

{------------------------------} sd-(15)-ir 1958068 Gap 6.0 bits
|------------------------------| sd-ir 1958068 yecM_argS- total 6.1 bits

... p35

{------ ... p35-(21)-p10 1958017 Gap
------ ... p35-p10 1958017 total 5.7

```
         *1958030  *      *1958020  *      *1958010  *      *1958000  *      *1957990  *      *1957980  *      *1957970  *      *1957960  *
5' g a a a t t a g g c g g g a g t a t a c t g c a a a t g g c t g t t t t c g t c a g c a a c g t g c g c g t g g c g t a t t g c c g t t t t c a c t a t t g c a 3'
   - glu - ile - arg - ala - gly - val - tyr - cys - lys - trp - leu - phe - ser - ser - ala - thr - cys - ala - trp - arg - ile - ala - val - phe - thr - ile - ala -
                                                                                                       - - - - - - -fMet - pro - phe - ser - leu - leu - his -
      - - - - - - - - - - - - -fMet - ala - val - phe - val - ser - asn - val - arg - val - ala - tyr - cys - arg - phe - his - tyr - cys - ile -
```

sd   ir yecM_argS-

... p35   1.8 bits   {-----------------------------} sd-(13)-ir 1958008 Gap 4.6 bits

... |-----------------------------| p35-(21)-p10 1958017 Gap 3.3 bits
... |-----------------------------| p35-p10 1958017 total 5.7 bits
            |-----------------------------| sd-ir 1958008 yecM_argS- total 7.8 bits

p10   7.3 bits

```
         *1957950  *      *1957940  *      *1957930  *      *1957920  *      *1957910  *      *1957900  *      *1957890  *      *1957880  *
5' t c a g a a g c g g c g t g a a a t c a g c g g t t g g t t g g c a c a g g g c a a c a g g g t a a a t t a a c g c t t t t a c t g a a a g a c g a a g a g t g a 3'
   - ser - glu - ala - ala -                         - -fMet - val - gly - thr - gly - gln - gln - gly - lys - leu - thr - leu - leu - leu - lys - asp - glu - glu -
      - gln - lys - arg - arg - glu - ile - ser - ser - gly - trp - leu - ala - gln - gly - asn - arg - val - asn -                                      -fMet - ile -
         - arg - ser - gly - val - lys - ser - ala - val - gly - trp - his - arg - ala - thr - gly -
```

p35   1.7 bits   [###]> orf 35 codons   ... ir

p10   5.7 bits   sd

{-----------------------------} p35-(22)-p10 1957905 Gap 2.3 bits   {------ ... sd-(8)-ir 1957870 Gap
|-----------------------------| p35-p10 1957905 total 5.1 bits |------- ... sd-ir 1957870 yecM_argS-

```
         *1957870  *      *1957860  *
5' t t a t g g c g a a c t g g c a a t c t a t 3'
   - met - ala - asn - trp - gln - ser -
```

ir yecM_argS-

... [----------------------------------- ... NC_000913.yecM
... ----} sd-(8)-ir 1957870 Gap 2.4 bits
... ----| sd-ir 1957870 yecM_argS- total 7.3 bits