piece 1, NC_000913, yifN_rep-, config: linear, direction: -, begin: 3958729, end: 3958464


```
             *       *3958720  *       *3958710  *       *3958700  *       *3958690  *       *3958680  *       *3958670  *       *3958660  *       *3958650
5' a g c t t g t t g t t g g c c g g g g t t t g a c g c a t a g g t g t a t t g c t c a a t c t t c g a a c g g g g g g g a g g a t t g t a g c a g a a t c g c a t 3'
   - ser - leu - leu - leu - ala - gly - val -         -         - ala - cys - cys - trp - pro - gly - phe - arg - arg - ile - gly - val - leu - leu - asn - leu - arg - thr - gly - gly - gly - leu -         -         -         -         -
   - leu - val - val - gly - arg - gly - leu - asp - ala -       - fMet - tyr - cys - ser - ile - phe - glu - arg - gly - glu - asp - cys - ser - arg - ile - ala - phe -
... ------------------------------------------------------] NC_000913.rep
```

p10   2.3 bits

p35   3.7 bits

{--} p35-(23)-p10 3958686 Gap 1.4 bits
|--| p35-p10 3958686 total 4.6 bits

```
             *       *3958640  *       *3958630  *       *3958620  *       *3958610  *       *3958600  *       *3958590  *       *3958580  *       *3958570
5' t t g a a t g t g a c c g c g t g t a a g c c g c t a a c c g g t t g g c t g c g g a t g t t t a a a t c a g a g a g a g a a g a c c g a a a t c g g a g t t c a 3'
   -fMet - asn - val - thr - ala - cys - lys - pro - leu - thr - gly - trp - leu - arg - met - phe - lys - ser - glu - arg - glu - asp - arg - asn - arg - ser - ser -
   - glu - cys - asp - arg - val -       -       -       -         -fMet - ala - ala - asp - val -       -       -       -       -       -       -       -       -       -
```

... ir

sd

{-------------- ... sd-(9)-ir 3958565 Gap
|-------------- ... sd-ir 3958565 yifN_rep- t

```
             *       *3958560  *       *3958550  *       *3958540  *       *3958530  *       *3958520  *       *3958510  *       *3958500  *       *3958490
5' t c g t g a a t c c a t t a g a c t t a g a a a a t a t c g g g t c g t a a c g t t a t t a c t t t t c a g a g t t t a c t a a g g a g a g g t t a 3'
                                                                              -fMet - leu - leu - leu - phe - gln - ser - leu - leu - arg - arg - gly - leu -
   - ser -       -       -       -       -       -       -       -       -         -fMet - cys - tyr - tyr - phe - phe - arg - val - tyr -       -       -       -       -
   -fMet - asn - pro - leu - asp - leu - glu - asn - ile - gly - ser -
... ir yifN_rep-                    [###> orf 12 codons                              sd ... p10
```

p35   2.4 bits

p10   3.1 bits

p35   4.3 bits

{-------------- ... sd-(13)-ir 3958483 Gap

... ----} sd-(9)-ir 3958565 Gap 2.3 bits

p35   3.8 bits

|-------------------- ... sd-ir 3958483 yifN_rep- t

... ----| sd-ir 3958565 yifN_rep- total 6.8 bits

p10   3.4 bits

{------------------------------------} p35-(23)-p10 3958531 Gap 1.4 bits   {------------------------------------} p35-(23)-p10 3958489 Gap 1.4 bits
|------------------------------------| p35-p10 3958531 total 4.0 bits |------------------------------------| p35-p10 3958489 total 6.2 bits
                                                                            {--------------------------------} p35-(22)-p10 3958504 Gap 2.3 bits
                                                                            |--------------------------------| p35-p10 3958504 total 4.9 bits

```
             *       *3958480  *       *3958470  *
5' c t c g t g g c g a t t a a t t t c a g c c c 3'
   - leu - val - ala - ile - asn - phe - ser -
```

... p10   3.4 bits

... ------} sd-(13)-ir 3958483 Gap 4.6 bits
... ------| sd-ir 3958483 yifN_rep- total 7.7 bits
           [------------------------------------ ... NC_000913.yifN

ir yifN_rep-