piece 1, NC_000913, cspF_TERM25-, config: linear, direction: -, begin: 1640409, end: 1640072

```
         *        *1640400  *        *1640390  *        *1640380  *        *1640370  *        *1640360  *        *1640350  *        *1640340  *        *1640330
5' agaaaacccgctgatgagcgggtttgtgctttaaatggggcaatggtaatgttgaatctcatcccgggactcatgtctgt 3'
   - arg - lys - pro - ala - asp - glu - arg - val - leu - cys - phe - lys - trp - gly - asn - gly - asn - val - glu - ser - his - pro - gly - thr - his - val - cys -
   - glu - asn - pro - leu - met - ser - gly - phe - cys - ala - leu - asn - gly - ala - met - val - met - leu - asn - leu - ile - pro - gly - leu - met - ser - val -
   - lys - thr - arg -  ●   - ●   -     -     -     - fMet - leu -  ●   - fMet - gly - gln - trp -  ●   -     -     -     -     -     -     -     -     -     -     -
```

p35 2.3 bits

ir cspF_TERM25-

sd   p10 3.8 bits
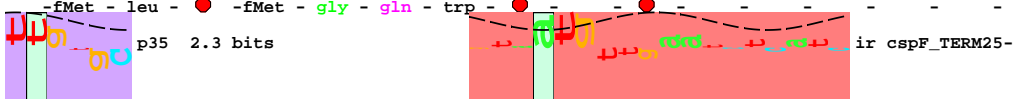
sd-(9)-ir 1640360 Gap 2.3 bits
sd-ir 1640360 cspF_TERM25- total 9.6 bits

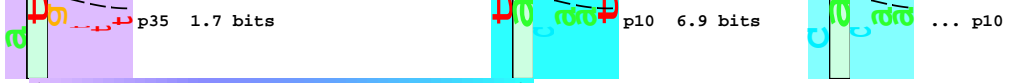p35-(23)-p10 1640361 Gap 1.4 bits
p35-p10 1640361 total 4.6 bits

p35 5.6 bits   p10 2.7 bits

p35-(22)-p10 1640356 Gap 2.3 bits
p35-p10 1640356 total 5.9 bits

p10 1.1 bits
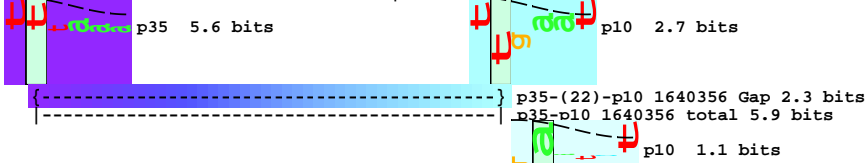
p35-(24)-p10 1640354 Gap 2.4 bits
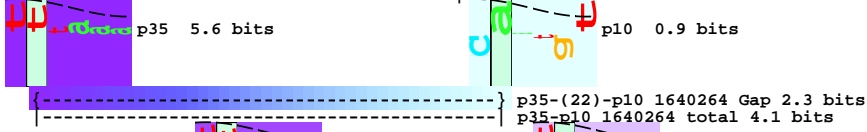p35-p10 1640354 total 4.3 bits

```
         *        *1640320  *        *1640310  *        *1640300  *        *1640290  *        *1640280  *        *1640270  *        *1640260  *        *1640250
5' taacttattatttagctggtgacttggttatttgcctgatgtttaaaatgttttcttccagtacaatgtccctaaacacaa 3'
   -     -     -     -     -     - fMet - thr - trp - leu - phe - ala -     - asp - val -  ●   -     -     -     -     -     -     -     -     -     -     -     -
   - asn - leu - leu - phe - ser - trp -  ●   -     -     -     - fMet - val - ile - cys - leu - met - phe - lys - met - phe - ser - ser - ser - thr - met - ser - leu - asn - thr - met -
                                                                - fMet - pro - asp - val -  ●   
```

[###] orf 18 codons

p35 1.7 bits   p10 6.9 bits   ... p10

p35-(23)-p10 1640266 Gap 1.4 bits
p35-p10 1640266 total 7.2 bits

p35 5.6 bits   p10 0.9 bits

p35-(22)-p10 1640264 Gap 2.3 bits
p35-p10 1640264 total 4.1 bits

p35 4.8 bits   p35 1.6 bits

p35-(26)-p10 1640251 Gap 3.7 bits
p35-p10 1640251 total 5.1 bits

... p35-(25)-p10 1640236 Gap
... p35-p10 1640236 total 4.7

```
         *        *1640240  *        *1640230  *        *1640220  *        *1640210  *        *1640200  *        *1640190  *        *1640180  *        *1640170
5' tgagtctgcttattatattattagcagagctattacggccaaagtacagcataagctttaaagccaatcaaccagtcatc 3'
   - ser - leu - leu - ile - ile - leu - leu - ala - glu - leu - leu - arg - pro - lys - tyr - ser - ile - ser - phe -  ●   -     -     -     -     -     -     -     -
```

... p10 4.1 bits   p10 7.1 bits

```
...========================}  p35-(25)-p10 1640236 Gap 4.0 bits
...------------------------|  p35-p10 1640236 total 4.7 bits

      *      *1640160  *        *1640150  *      *1640140  *        *1640130  *      *1640120  *      *1640110  *        *1640100  *      *1640090
5' a a g a c a g a c g g g g t t a t t c a t a a a a a c t c t c c a t g t g t g a t c c g a t g g g g c c t g a a a t t a a a g c t t a a t a t a g c t c a t g a 3'
    -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   - fMet - ile - arg - trp - gly - leu - lys - leu - lys - leu -  ●  -   -   -   -   -   -  ●
    -   -   -   -   -   -   -   -   -   - fMet -  ●  -   -   -   -   -   -   -   -   -   -   -   -   -   -   -  ●  -   -   -   -   -
    -   -   -   -   -   -  ●  -   -   -  - fMet - cys - asp - pro - met - gly - pro - glu - ile - lys - ala - leu - ile -  ●  -   - fMet - lys -
                                                                                                                  <----------- ... NC_000913.cspF
```

p35 5.7 bits

```
                                              {-------------------------  ... p35-(22)-p10 1640079 Gap
                                              ---------------------------  ... p35-p10 1640079 total 5.1
                                              {-------------------------  ... p35-(23)-p10 1640078 Gap
                                              ---------------------------  ... p35-p10 1640078 total 5.5
```

```
     *      *1640080  *
5' a a g g t a a a c a t t g g 3'
    -   -   -   -   -   -   -   -
    -   -  ●  -   -   - fMet -
    - gly - lys - his - trp -
... ------------------------------ ... NC_000913.cspF
```

p10 1.8 bits

```
...===========}  p35-(22)-p10 1640079 Gap 2.3 bits
...-----------|  p35-p10 1640079 total 5.1 bits
...===========}  p35-(23)-p10 1640078 Gap 1.4 bits
...-----------|  p35-p10 1640078 total 5.5 bits
```

p10 1.3 bits