piece 1, NC_000913, tdk_ychG+, config: linear, direction: +, begin: 1293338, end: 1293813

```
       *1293340  *        *1293350  *        *1293360  *        *1293370  *        *1293380  *        *1293390  *        *1293400  *        *1293410  *
5' g c t a t t c a g g a a a g g c a t c g c c a c g a t t a a t a a g a a t t t c t t t a c t g a c a g g g t g a g c a g g g c a c t t t t a t c c t g t c a g t t 3'
  -  ala - ile - gln - glu - arg - his - arg - his - asp -        -        -        -        -        -        -        -        -        -        -        -
  -        - leu - phe - arg - lys - gly - ile - ala - thr - ile - asn - lys - asn - phe - phe - thr - asp - arg - val - ser - arg - ala - leu - leu - ser - cys - gln - phe -
  -        -        - tyr - ser - gly - lys - ala - ser - pro - arg - leu - ile - arg - ile - ser - leu - leu - thr - gly -        -        -        -        -        -        -        -
```

p35   5.7 bits   p10   0.9 bits

} p35-(22)-p10 1293401 Gap 2.3 bits
| p35-p10 1293401 total 4.2 bits

p10   3.2 bits

} p35-(25)-p10 1293404 Gap 4.0 bits
| p35-p10 1293404 total 4.8 bits

```
       *1293420  *        *1293430  *        *1293440  *        *1293450  *        *1293460  *        *1293470  *        *1293480  *        *1293490  *
5' c g t t t a c g c a c t t c t t c c g g g c t a t a t a c c t t c t c g g c a g t t t t t a a c g c c g c t a t a c g c c t c a c a g g g c t c t t a a g c 3'
  -        - val - leu - arg - thr - ser - ser - gly - leu - tyr - thr - leu - leu - gly - ser - phe - leu - thr - pro - leu - tyr - ala - ser - gln - gly - ser -        -        -        -
```

p35   4.6 bits   p10   3.0 bits

} p35-(22)-p10 1293445 Gap 2.3 bits
| p35-p10 1293445 total 5.3 bits

p10   3.8 bits

} p35-(24)-p10 1293447 Gap 2.4 bits
| p35-p10 1293447 total 6.0 bits

```
       *1293500  *        *1293510  *        *1293520  *        *1293530  *        *1293540  *        *1293550  *        *1293560  *        *1293570  *        *1293580
5' a c c g a c g t t g a c t t g t g a c c t g t a a a g t a c a a t a t c c c t g t g t t t a g g c g t t a t a c a t c g t c g c a a a t a t g a t g a a g g c t a 3'
  -        -        -        -        - fMet -        -        -        -        -        - fMet - phe - arg - arg - tyr - thr - ser - ser - gln - ile -        -        -        -        -        -        -
  -        -        - fMet - thr - cys - asp - leu -        -        -        -        -        -        -        -        -        -        -        -        -        -        -        -        - fMet - met - lys - ala - asn -
  -        - fMet - thr - cys - lys - val - gln - tyr - pro - cys - val -        -        -        -        -        -        -        -        -        -        -        -        -        -        -
```

p35   6.5 bits   p10   3.4 bits   p35   2.8 bits   ... sd

} p35-(22)-p10 1293530 Gap 2.3 bits
| p35-p10 1293530 total 7.6 bits

{------- ... sd-(17)-ir 1293594 Gap
------- ... sd-ir 1293594 tdk_ychG+ t

p10   6.4 bits

} p35-(25)-p10 1293568 Gap 4.0 bits
| p35-p10 1293568 total 5.3 bits

```
       *        *1293590  *        *1293600  *        *1293610  *        *1293620  *        *1293630  *        *1293640  *        *1293650  *        *1293660
5' a t g c t g t c g t t t a t g g a a a a g t t g c t t t g g g t a a a c a a a a a t a c g g c c c c a g a a g g c a a t g c c g t t c a c t t a a g a g g a 3'
  - fMet - leu - ser - val - tyr - gly - lys - val - ala - leu - gly - lys - gln - lys - ile - arg - pro - gln - lys - gly - asn - ala - val - his - leu - arg - gly -
  -        - fMet - glu - lys - leu - leu - trp - val - asn - lys - lys - tyr - gly - pro - arg - arg - ala - met - pro - phe - thr -        -        -        -
  -        - ala - val - gly - leu - trp - lys - ser - cys - phe - gly -        -        -        -        -        -        -        -        -        -
```

... sd   ir tdk_ychG+   p10   3.8 bits   [###> orf 21 codons

... } sd-(17)-ir 1293594 Gap 6.5 bits

... sd

... -----------| sd-ir 1293594 tdk_ychG+ total 7.6 bits   {--- ... sd-(10)-ir 1293670 Gap

sd   ir tdk_ychG+ |--- ... sd-ir 1293670 tdk_ychG+ t

sd-(11)-ir 1293608 Gap 3.0 bits
sd-ir 1293608 tdk_ychG+ total 5.8 bits

p35 4.3 bits

p35-(24)-p10 1293620 Gap 2.4 bits
p35-p10 1293620 total 5.7 bits

```
         *        *1293670  *        *1293680  *        *1293690  *        *1293700  *        *1293710  *        *1293720  *        *1293730  *        *1293740
5' gcggcactatgtttcacaggataacgggtttttgatatcttaacgacctcgcgccttgatggtcgtgcgtttgttatg 3'
   - ala - ala - leu - cys - phe - thr - gly - ●  -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   - -fMet -
   -   -   -   -   -   -   -   -   -   - -fMet - ile - ser - ●  -   -   -   -   -fMet - met - val - gly - gly - val - leu - leu - ● -
                     -fMet - phe - his - arg - ile - thr - gly - phe - ●
```

[###> orf 26 codons   [###> orf 9 codons

sd   ... ir

... sd   ir tdk_ychG+   p10 4.5 bits   sd-(10)-ir 1293740 Gap 2.7 bits

... sd-(10)-ir 1293670 Gap 2.7 bits |----------------| sd-ir 1293740 tdk_ychG+ total 5.8
... sd-ir 1293670 tdk_ychG+ total 11.8 bits

p35 3.8 bits

p35-(24)-p10 1293698 Gap 2.4 bits
p35-p10 1293698 total 5.8 bits

```
         *        *1293750  *        *1293760  *        *1293770  *        *1293780  *        *1293790  *        *1293800  *        *1293810
5' aacaccacttccagagcacccgaagatgctccagtcgtttcgggatggtccctggtgacgccgtgtttcc 3'
   - asn - thr - thr - ser - arg - ala - pro - arg - arg - cys - ser - ser - arg - phe - gly - met - val - pro - gly - asp - ala - val - phe -
   -   -   -   -   -   -   -   -   -   - -fMet - leu - gln - ser - phe - arg - asp - gly - pro - trp - ●  -   -   -   -   -
```

... ir tdk_ychG+