piece 1, NC_000913, kch_yciI-, config: linear, direction: -, begin: 1308622, end: 1308274

```
        *1308620  *        *1308610  *        *1308600  *        *1308590  *        *1308580  *        *1308570  *        *1308560  *        *1308550  *
5' tcagtgaaaccatttaagaaagtgttctgaatagagattcaatatttaagggcacggttttttgcaaccgtgttcttgtttg 3'
   - ser - val - lys - pro - phe - lys - lys - val - phe -   -   -   -   -   -   -   -   -   -   -fMet - gln - pro - cys - ser - cys - leu -
     - gln -                                                                                                -fMet - phe - leu - phe - gly -
        - ser - glu - thr - ile -

                                                                                                      p35  6.1 bits

                                                                                      ... p35-(24)-p10 1308537 Gap
                                                                                      ... p35-p10 1308537 total 5.0
```

```
        *1308540  *        *1308530  *        *1308520  *        *1308510  *        *1308500  *        *1308490  *        *1308480  *        *1308470  *
5' gcctttccttatagccggtcagtgcattcaccaccacaagcagataataacttatctgtatttctttatatgatgtgagc 3'
   - ala - phe - pro - tyr - ser - arg - ser - val - his - ser - pro - pro - gln - ala - asp - asn - asn - phe - ile - cys - ile - ser - leu - tyr - asp - val - ser -
     - leu - ser - leu -                                                                                                     -fMet - met -

      p10  1.3 bits                                                    p35  2.7 bits                    ... sd

... --------} p35-(24)-p10 1308537 Gap 2.4 bits                                p35  4.7 bits      ... p10

... -------| p35-p10 1308537 total 5.0 bits                         ... p35-(23)-p10 1308460 Gap
                                                                    ... p35-p10 1308460 total 4.9
                                                                    ... p35-(25)-p10 1308450 Gap
                                                                    ... p35-p10 1308450 total 4.5
```

```
        *1308460  *        *1308450  *        *1308440  *        *1308430  *        *1308420  *        *1308410  *        *1308400  *        *1308390  *        *1308380
5' atattcaggaaaaatgacctttcctgaggtacagttgctcgctcaaatcctttgattactgcggataaagtcatctactat 3'
   - ile - phe - arg - lys - asn - asp - leu - ser -   -   -   -   -   -   -   -   -   -fMet - ile - thr - ala - asp - lys - val - ile - tyr - tyr -
                      - fMet - thr - phe - pro - glu - val - gln - leu - leu - ala - gln - ile - leu -                                        -fMet -

... sd                                     p10  4.4 bits                 [###> orf 14 codons                     p10  5.6 bits

...              p10  3.6 bits                                                   p35  5.7 bits                ... p10

... } p35-(23)-p10 1308460 Gap 1.4 bits                                 ... } p35-(24)-p10 1308384 Gap 2.4 bits
... | p35-p10 1308460 total 4.9 bits                                    ... | p35-p10 1308384 total 8.9 bits

... --------------} p35-(25)-p10 1308450 Gap 4.0 bits                          p35  2.6 bits

... ---------------| p35-p10 1308450 total 4.5 bits                     ... } p35-(24)-p10 1308381 Gap 2.4 bit
                                                                        ... ir kch_yciI-
                                                                        |----------------------------| p35-p10 1308381 total 4.7 bits

                         {--------} sd-(5)-ir 1308447 Gap 5.4 bits
                         |--------| sd-ir 1308447 kch_yciI- total 9.9 bits

                              p10  3.8 bits

                              p35  1.2 bits

                    {--------------------} p35-(23)-p10 1308430 Gap 1.4 bits
                    |--------------------| p35-p10 1308430 total 4.2 bits
```

```
        *        *1308370  *        *1308360  *        *1308350  *        *1308340  *        *1308330  *        *1308320  *        *1308310  *        *1308300
5' tgtttaacacattcacgcgctgcatgcatgttcagaaaatgtgcacgctaagataattaaacaaattgtggttacagagg 3'
   - cys - leu - thr - his - ser - arg - ala - ala - cys - met - phe - arg - lys - cys - ala - arg -   -   -   -   -   -fMet - trp - leu - gln - arg -
                                                                              -fMet - his - ala - lys - ile - ile - lys - gln - asn - cys - gly - tyr - arg - gly -
```

- phe - asn - thr - phe - thr - arg - cys - met - tyr - val - gln - lys - met - cys - thr - leu - arg - ● - - - - -fMet - val - thr - glu - val -

p35 4.1 bits

p10 4.6 bits

p10 5.7 bits

... p10 4.6 bits

p35 1.7 bits

p10 4.3 bits

{-------------------------------------} p35-(24)-p10 1308352 Gap 2.4 bits
|-------------------------------------| p35-p10 1308352 total 6.3 bits

{-------------------------------------} p35-(24)-p10 1308330 Gap 2.4 bits
|-------------------------------------| p35-p10 1308330 total 5.0 bits

p35 2.5 bits

{-------------------------------------} p35-(23)-p10 1308327 Gap 1.4 bits
|-------------------------------------| p35-p10 1308327 total 5.4 bits

```
        *         *1308290  *        *1308280  *
5' t a t c a g t g a g t c a c t g g g c t a c a t t 3'
  - tyr - gln - ● -   -   -   -   -   -   -
   - ile - ser - glu - ser - leu - gly - tyr - ile -
     - ser - val - ser - his - trp - ala - thr -
       [------------------------------------- ... NC_000913.kch
```