piece 1, NC_000913, yagM_yagN-, config: linear, direction: -, begin: 294392, end: 294004

```
      *294390    *      *294380    *      *294370    *      *294360    *      *294350    *      *294340    *      *294330    *      *294320    *
5' a a t a t c t c a a t c a c t g a g g t g g c a a a a t g a g c g c a t t c a a a c t c c c g g a t a c a t c t c a a t c a c a g c t c a t t c a a c a g c t g 3'
   -  asn - ile - ser - ile - thr - glu - val - ala - lys -  -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
   -  ile - ser - gln - ser - leu - arg - trp - gln - asn - glu - arg - ile - gln - thr - pro - gly - tyr - ile - ser - ile - thr - ala - his - phe - asn - ser -
   -  tyr - leu - asn - his -  -   -   -   -   - fMet - ser - ala - phe - lys - leu - pro - asp - thr - ser - gln - ser - gln - leu - ile - ser - thr - ala - glu -
```
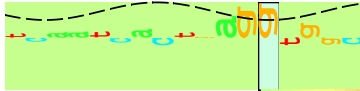
ir yagM_yagN-   p35 5.2 bits

sd   ... p35-(22)-p10 294300 Gap

{------------------} sd-(8)-ir 294366 Gap 2.4 bits
|----------------| sd-ir 294366 yagM_yagN- total 10.9 bits |------------------ ... p35-p10 294300 total 5.4
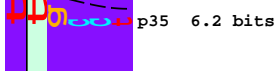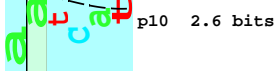
```
      *294310    *      *294300    *      *294290    *      *294280    *      *294270    *      *294260    *      *294250    *      *294240    *
5' a g t t a g c t a a a a t c a t t a g c t a c a a a t c t c a a a c c a t t c g t a a a t g g c t t t g t c a g g a c a a a t t g c c t g a g g g g c t a c c t c 3'
   -  leu - ala - lys - ile - ile - ser - tyr - lys - ser - gln - thr - ile - arg - lys - trp - leu - cys - gln - asp - lys - leu - pro - glu - gly - leu - pro - arg -
```

p10   2.6 bits   -fMet - ala - leu - ser - gly - gln - ile - ala -   p35   6.2 bits

... {-----------------} p35-(22)-p10 294300 Gap 2.3 bits   {-------------------} p35-(22)-p10 294226 Gap
... |-----------------| p35-p10 294300 total 5.4 bits |-------------------| p35-p10 294226 total 4.3

```
      *294230    *      *294220    *      *294210    *      *294200    *      *294190    *      *294180    *      *294170    *      *294160    *      *294150
5' g c c c a a a a c a a a t c a a t g g c c g c c a t t a c t g g t t a c g t a a a g a t g t c c t c g a t t t t a t a g a c a t t t t c t g t a c g a g a a a 3'
   -  pro - lys - gln - ile - asn - gly - arg - his - tyr - trp - leu - arg - lys - asp - val - leu - asp - phe - ile - asp - thr - phe - ser - val - arg - glu - ser -
```

-fMet - ala - ala - ile - thr - gly - tyr - val - lys - met - ser - ser - ile - leu -

p10   0.4 bits   p35   2.6 bits   p10   3.2 bits   p35   4.8 bits

... {--------} p35-(22)-p10 294226 Gap 2.3 bits   {-----------------------} p35-(23)-p10 294177 Gap 1.4 bits
... |--------| p35-p10 294226 total 4.3 bits |-----------------------| p35-p10 294177 total 4.3 bits   {----------------- ... p35-(24)-p10 294140 Gap
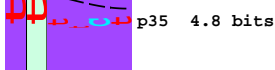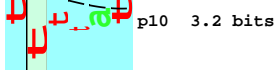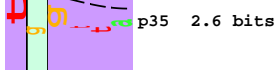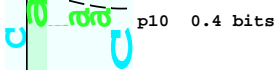 |----------------- ... p35-p10 294140 total 8.1

```
          *      *294140    *      *294130    *      *294120    *      *294110    *      *294100    *      *294090    *      *294080    *      *294070
5' g t c t g t a a t a a a t t a c a g a t t t a a t t t t a t t g a t t t a t a g c g a t g t t g c c c g a g a a a a a t g g g g c a a c a c t g a g a a a t t t 3'
   -                                                              -fMet - leu - pro - arg - glu - lys - trp - gly - asn - thr - glu - lys - phe -
   -  leu -                                                 -fMet - ile - tyr - ser - asp - val - ala - pro - arg - lys - met - gly - gln - his -
```
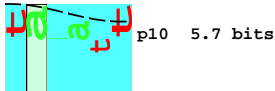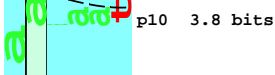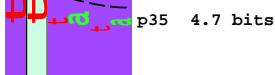
[###> orf 75 codons   p35   4.7 bits   p10   3.8 bits

p10   5.7 bits   {--------------------------} p35-(22)-p10 294093 Gap 2.3 bits

... {----------------} p35-(24)-p10 294140 Gap 2.4 bits |------------------------------------| p35-p10 294093 total 6.2 bits
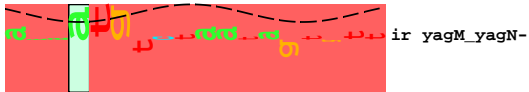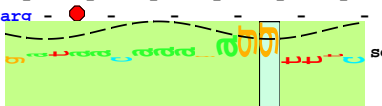... |----------------| p35-p10 294140 total 8.1 bits

```
          *      *294060    *      *294050    *      *294040    *      *294030    *      *294020    *      *294010    *
5' c a g a t a g t a g t t t a t a t t g a g a t a a c a a a g a g g t t t c c t t a a a a a t g t c t a a t a g t g t t a c t a a 3'
   -  gln - ile - val - val - leu - tyr -                                                    -fMet - ser - asn - ser - val - thr -
   -                                  -fMet - arg -                                            -fMet - leu - leu -
```

sd   [--------------------------------------- ... NC_000913.yagM

p35   4.7 bits   ir yagM_yagN-

p35 4.6 bits   sd-(12)-ir 294023 Gap 4.0 bits

|-------------------------| sd-ir 294023 yagM_yagN- total 10.7 bits

p10 1.3 bits

{---} p35-(23)-p10 294033 Gap 1.4 bits
|---| p35-p10 294033 total 4.6 bits

p10 3.8 bits

{---} p35-(24)-p10 294026 Gap 2.4 bits
|---| p35-p10 294026 total 6.0 bits