piece 1, NC_000913, yiaW_REP270+, config: linear, direction: +, begin: 3752422, end: 3752902

```
        *        *3752430  *        *3752440  *        *3752450  *        *3752460  *        *3752470  *        *3752480  *        *3752490  *        *3752500
5' cactcccagtgcaaaatagtccaggaacatatttccctcaaagaatataaaaagaacaattaacgcatattatgaaatgc 3'
 - his - ser - gln - cys - lys - ile - val - gln - glu - his - ile - ser - leu - lys - glu - tyr - lys - lys - glu - gln - leu - thr - his - ile - met - lys - cys -
   - thr - pro - ser - ala - lys -        - val - gln - asn - ser - pro - gly - thr - tyr - phe - pro - gln - arg - ile -                                    -fMet - pro -
     - leu - pro - val - gln - asn - ser - pro - gly - thr - tyr - phe - pro - gln - arg - ile -
... ------------------------------------------------------] NC_000913.yiaW                                                                                    sd                                                        ... ir
```
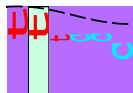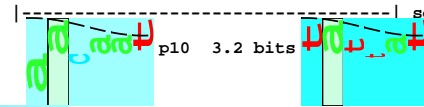
p35   3.8 bits

{-----------------------------------} sd-(18)-ir 3752494 Gap 6.9 bits

|--------------------------------| sd-ir 3752494 yiaW_REP270+ total 7.1 bits

p10   3.2 bits   p10   7.1 bits

{-------------------------------} p35-(24)-p10 3752478 Gap 2.4 bits
|-------------------------------| p35-p10 3752478 total 4.5 bits
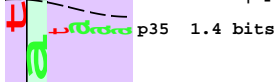
p35   1.4 bits
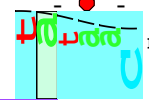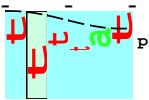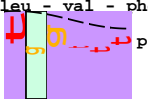
{---} p35-(23)-p10 3752491 Gap 1.4 bits
|---| p35-p10 3752491 total 7.1 bits

```
        *        *3752510  *        *3752520  *        *3752530  *        *3752540  *        *3752550  *        *3752560  *        *3752570  *        *3752580
5' catgatgcagtgcaatttccttatttatataacgacatattgttttttatatacttcttaaatgtgctgtctggtttttc 3'
 - his - asp - ala - val - gln - phe - pro - tyr - leu - tyr - asn - asp - ile - leu - phe - phe - ile - tyr - phe - leu - lys - cys - ala - val - trp - phe - phe -
   -fMet - met - gln - cys - asn - phe - leu - ile - tyr - ile - thr - thr - tyr - cys - phe - leu - tyr - thr - phe - leu - asn - val - leu - ser - gly - phe - ser -
                                                                                                    -fMet - cys - cys - leu - val - phe - gln -
... ------                                    ir yiaW_REP270+
```

p10   4.1 bits   p10   3.2 bits   p35   2.7 bits
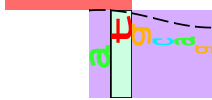
p35   2.1 bits   p35   4.7 bits   p10   4.6 bits   {---------- ... p35-(23)-p10 3752599 Gap

{-------------------------} p35-(23)-p10 3752531 Gap 1.4 bits   p10   2.4 bits |---------- ... p35-p10 3752599 total 7.6
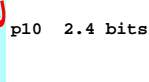
|-------------------------| p35-p10 3752531 total 4.7 bits   p10   7.3 bits   ... p35

p35   5.3 bits   {-------- ... p35-(22)-p10 3752602 Gap

{-------------------} p35-(22)-p10 3752541 Gap 2.3 bits |------- ... p35-p10 3752602 total 5.9
|-------------------| p35-p10 3752541 total 7.5 bits

{-----------------------} p35-(21)-p10 3752548 Gap 3.3 bits
|-----------------------| p35-p10 3752548 total 4.6 bits
{-----------------------} p35-(23)-p10 3752550 Gap 1.4 bits
|-----------------------| p35-p10 3752550 total 5.7 bits
{-----------------------} p35-(26)-p10 3752553 Gap 3.7 bits
|-----------------------| p35-p10 3752553 total 8.3 bits

```
        *        *3752590  *        *3752600  *        *3752610  *        *3752620  *        *3752630  *        *3752640  *        *3752650  *        *3752660
5' aacaggacgaggtttatcatattgaaatagtggaactattggccaaactaatgaataactccagtaaaacatccacagtac 3'
 - asn - arg - thr - arg - phe - ile - ile - leu - lys -
   - thr - gly - arg - gly - leu - ser - tyr -
     - gln - asp - glu - val - tyr - his - ile - glu - ile - val - glu - leu - leu - ala - lys - leu - met - asn - asn - ser - lys - thr - ser - thr - val - gln -
```

p10   6.3 bits   [###> orf 40 codons   ir yiaW_REP270+

... } p35-(23)-p10 3752599 Gap 1.4 bits

p10   3.6 bits

... | p35-p10 3752599 total 7.6 bits   { } sd-(18)-ir 3752634 Gap 6.9 bits

... p35   4.6 bits

sd

... } p35-(22)-p10 3752602 Gap 2.3 bits

... | p35-p10 3752602 total 5.9 bits

p10   3.6 bits |-------------------------------| sd-ir 3752634 yiaW_REP270+ total 7.1 bits

p35   6.4 bits

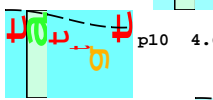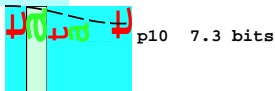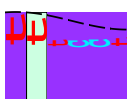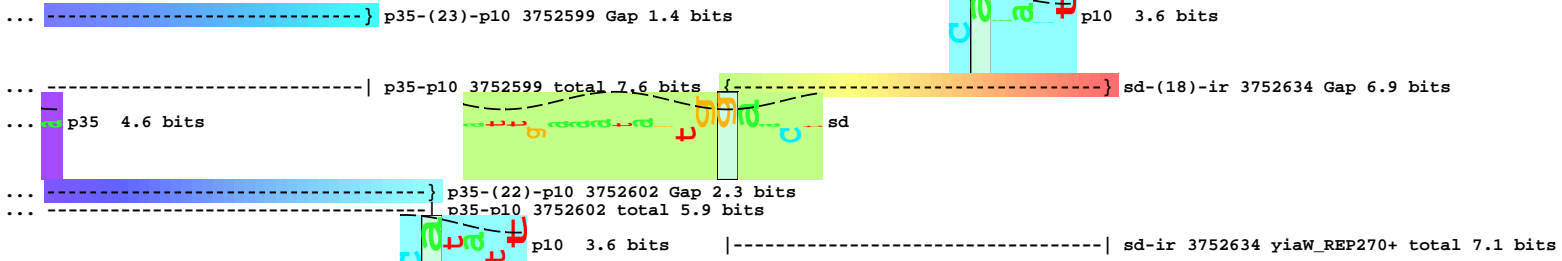{ } p35-(22)-p10 3752628 Gap 2.3 bits

| p35-p10 3752628 total 7.7 bits

```
         *        *3752670   *        *3752680   *        *3752690   *        *3752700   *        *3752710   *        *3752720   *        *3752730   *        *3752740   *
5' a g a t t a a g c g t a t t a a a c c t t c a a t t a t c t a c c g t t t a t t g c t g a t t g g c c t c g g a t c a c c a a t g g t g a t t t a c g g c c t g g 3'
```
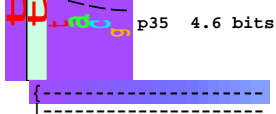
-fMet - ala - ser - asp - his - gln - trp -

ile - lys - arg - ile - lys - pro - ser - ile - ile - tyr - arg - leu - leu - leu - ile - gly - leu - gly - ser - pro - met - val - ile - tyr - gly - leu - val -
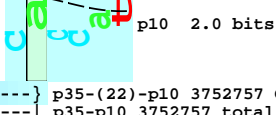
p35   4.6 bits

{ ... p35-(22)-p10 3752757 Gap

| ... p35-p10 3752757 total 4.3

```
         *3752750   *        *3752760   *        *3752770   *        *3752780   *        *3752790   *        *3752800   *        *3752810   *        *3752820   *
5' t t c g c c c g c t c a c c a t c g a a a c g c g a g a t t a a a c t c c t g a c a a a c a c g c c c c a g a a a c g t a c t t c t g t t g g c g t a g t c t g 3'
```

arg - pro - leu - phe - ile - glu - thr - arg - asp -

-fMet - ala -

p10   2.0 bits

[###> orf 48 codons

... } p35-(22)-p10 3752757 Gap 2.3 bits

... | p35-p10 3752757 total 4.3 bits

```
         *3752830   *        *3752840   *        *3752850   *        *3752860   *        *3752870   *        *3752880   *        *3752890   *        *3752900
5' g g t t a t t g c g c a c g t a g g t t t a a a a c g t a a a t t g t a a c a a c g t g c g c t t t g t t t a t g c c g g a t g c g g c g t g t a c g c 3'
```

-fMet - phe - met - pro - asp - ala - ala - cys - thr -

-fMet - arg - arg - val - arg -

-fMet - arg - thr -

-fMet - arg - phe - val - tyr - ala - gly - cys - gly - val - tyr -

p35   2.8 bits

p10   5.7 bits

p10   1.0 bits

{ } p35-(22)-p10 3752855 Gap 2.3 bits

| p35-p10 3752855 total 6.2 bits

p35   5.5 bits

{ } p35-(22)-p10 3752881 Gap 2.3 bits

| p35-p10 3752881 total 4.2 bits