piece 1, NC_000913, ygaQ_csiD+, config: linear, direction: +, begin: 2786642, end: 2787026

```
         *        *2786650  *        *2786660  *        *2786670  *        *2786680  *        *2786690  *        *2786700  *        *2786710  *        *2786720
5' g g a g a a c g c c g a a c t a t c t c t a t t t a t a a t t t a a t g t t a t a t c t g c c c c g a t a a a a c g g g g c a g a t a a t a t g t t t a g t t t 3'
```

p35 5.7 bits   p10 3.3 bits   ... ir

sd

sd-(9)-ir 2786712 Gap 2.3 bits
sd-ir 2786712 ygaQ_csiD+ total 8.2 bits

p35-(22)-p10 2786695 Gap 2.3 bits
p35-p10 2786695 total 6.7 bits

```
         *        *2786730  *        *2786740  *        *2786750  *        *2786760  *        *2786770  *        *2786780  *        *2786790  *        *2786800
5' a c t a a c g t c a t t t g c a g t g a a g c c a t t t a c t g t t t t t a t c g a c c a g a t a a t c t g t t c t c t a a t g t t a a c t c c c c c t a a 3'
```

... ir ygaQ_csiD+   [###> orf 11 codons   p10 3.2 bits   p10 5.2 bits   ... p10

p35 5.2 bits   p35 5.7 bits   p10 4.3 bits   p10 3.8 bits

p35-(23)-p10 2786760 Gap 1.4 bits   p35 2.6 bits

p35-p10 2786760 total 6.9 bits   p35-(23)-p10 2786802 Gap 1.4 bit

p35-(21)-p10 2786772 Gap 3.3 bits
p35-p10 2786772 total 6.7 bits
p35-(23)-p10 2786774 Gap 1.4 bits
p35-p10 2786774 total 9.4 bits

p35 4.8 bits   p35-p10 2786802 total 5.7 bits

p35-(26)-p10 2786786 Gap 3.7 bits
p35-p10 2786786 total 4.9 bits

```
         *        *2786810  *        *2786820  *        *2786830  *        *2786840  *        *2786850  *        *2786860  *        *2786870  *        *2786880
5' c c t g t t g c t t t a g t t a t t c a t t t c c t g t c t c a c t t t g c c t t a a t a c c c t a c g t a a a t g t t a c t a a t t t g t t g c t t t t g a t 3'
```

... p10 4.5 bits   p35 5.3 bits   p10 3.8 bits   p35 5.3 bits

p35-(23)-p10 2786848 Gap 1.4 bits   ... p35-(22)-p10 2786897 Gap
p35-p10 2786848 total 7.6 bits   ... p35-p10 2786897 total 6.2
... p35-(24)-p10 2786899 Gap
... p35-p10 2786899 total 6.3

```
         *        *2786890  *        *2786900  *        *2786910  *        *2786920  *        *2786930  *        *2786940  *        *2786950  *        *2786960
5' c a c a a t a a g a a a a c a a t a t g t c g c t t t t g t g c g c a t t t t c a g a a a t g t a g a t a t t t t a g a t t a g g c t a c g a a a t g a g c 3'
```

p10 3.2 bits   sd   ir ygaQ_csiD+

... p35-(22)-p10 2786897 Gap 2.3 bits   p35 4.6 bits   sd   [###> orf 5 codons

... ----------------------| p35-p10 2786897 total 6.2 bits

p35   4.3 bits {----------------------} sd-(14)-ir 2786949 Gap 4.9 bits

... -------------------------} p35-(24)-p10 2786899 Gap 2.4 bits

... ----------------------------| p35-p10 2786899 total 6.3 bits
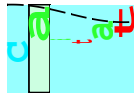
|------------------------------| sd-ir 2786949 ygaO_csiD+ total 5.3 bits
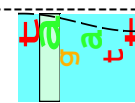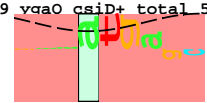
p10   4.7 bits   ... ir

p10   3.4 bits

{----------------} sd-(8)-ir 2786960 Gap 2.4 bits

|----------------| sd-ir 2786960 ygaQ_csiD+ total 7.4 bits

... sd

{-------- ... sd-(10)-ir 2786972 Gap

{----------------------------} p35-(22)-p10 2786944 Gap 2.3 bits
|----------------------------| p35-p10 2786944 total 7.0 bits |------- ... sd-ir 2786972 ygaQ_csiD+
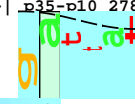
p10   3.0 bits

{------------------------} p35-(23)-p10 2786946 Gap 1.4 bits
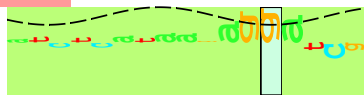|------------------------| p35-p10 2786946 total 5.9 bits

```
     *2786970  *      *2786980  *      *2786990  *      *2787000  *      *2787010  *      *2787020  *
5'  a t c g c c a t g t c a c c c t a c a t c t c a t a a g a g g a t c g c t t c t g a t g a a t g c a c t g a c g c c g t  3'
  - ile - ala - met - ser - pro - tyr - ile - ser - ●  -   -     -     -     ●  -   ● -  -fMet - his -   ● -   -   -   -
  -                                                   -                          -              -
       - arg - his - val - thr - leu - his - leu - ile - arg - gly - ser - leu - leu - met - asn - ala - leu - thr - ala -
```

[###> orf 11 codons   ir ygaQ_csiD+
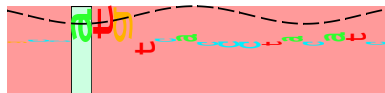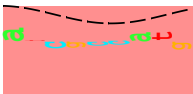
ir ygaQ_csiD+   {----------------------} sd-(11)-ir 2787007 Gap 3.0 bits

sd

|----------------------| sd-ir 2787007 ygaQ_csiD+ total 10.6 bits

... ir ygaQ_csiD+

... sd

... ------------} sd-(10)-ir 2786972 Gap 2.7 bits
... -----------| sd-ir 2786972 ygaQ_csiD+ total 5.3 bits