piece 1, NC_000913, focA_ycaO+, config: linear, direction: +, begin: 953660, end: 954114

```
      *953660      *      *953670      *      *953680      *      *953690      *      *953700      *      *953710      *      *953720      *      *953730      *      *953740
5' t a a a g a t c a a a a g g g t t g t c a g c t t t c a c a c t a a c t c t c t c t t t a t t a a g t c g g c g a c g a g a t a c t a a c a a a g c a t t a t a 3'
      -   lys - arg - ser - lys - gly - leu - ser - ala - phe - thr - leu - thr - leu - ser - leu - leu - ser - arg - arg - arg - asp - thr - asn - lys - ala - leu -
      -   lys - asp - gln - lys - gly - cys - gln - leu - ser - his -
... -----------------------------------------------------------------] NC_000913.focA                                    p10   2.6 bits                                    ... ir
```

p35   5.5 bits   sd

{---} p35-(26)-p10 953703 Gap 3.7 bits   {-------- ... sd-(9)-ir 953742 Gap
|--| p35-p10 953703 total 4.4 bits |-------- ... sd-ir 953742 focA_ycaO+ t

```
      *      *953750      *      *953760      *      *953770      *      *953780      *      *953790      *      *953800      *      *953810      *      *953820
5' g a t g a g a a a t t g a t a t a g a t c a t a t c t c g c c t g g c t t a t a g g c c c g t a a c t c g c a t g g t t t t t a t g c a a a t a c g g a g t a a a 3'
                        - fMet - ile -                                                          - fMet - val - phe - met - gln - ile - arg - ser - lys -
      - fMet - arg - asn -
...                        ir focA_ycaO+                                                        sd
```
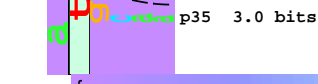
[###> orf 4 codons   p35   3.8 bits   {----------- ... sd-(10)-ir 953825 Gap

... --} sd-(9)-ir 953742 Gap 2.3 bits |----------- ... sd-ir 953825 focA_ycaO+ t
... --| sd-ir 953742 focA_ycaO+ total 5.9 bits   {----------- ... p35-(23)-p10 953825 Gap
                                                                                                 |----------- ... p35-p10 953825 total 4.9

p35   3.0 bits

{--- ... p35-(23)-p10 953828 Gap
|--- ... p35-p10 953828 total 4.6

```
      *      *953830      *      *953840      *      *953850      *      *953860      *      *953870      *      *953880      *      *953890      *      *953900
5' t a t t t g a t t a t c c a a a t a a a t t t a a a a a t t a a c a a a t g a g t t g a a t t t t t c c g c a t c t c c g c t a a a a c a g t t 3'
      - tyr - leu - ile - ile - gln - ile - lys - ile - asn - phe - lys - asn -              - fMet - ser -
                                                                         - fMet - asn - phe - phe - arg - ile - leu - arg -
...                        ir focA_ycaO+                              [###> orf 12 codons              p10   2.7 bits                        p10   3.3 bits
```
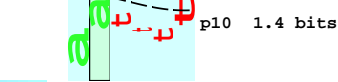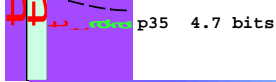
... ---} sd-(10)-ir 953825 Gap 2.7 bits   p35   4.7 bits   p10   1.4 bits

... ------| sd-ir 953825 focA_ycaO+ total 7.7 bits   {---------------------------} p35-(21)-p10 953870 Gap 3.3 bits
... ---} p35-(23)-p10 953825 Gap 1.4 bits |---------------------------| p35-p10 953870 total 4.0 bits
                                                     p35   5.6 bits   p35   6.5 bits
... ------| p35-p10 953825 total 4.9 bits
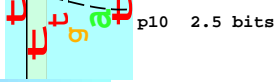
p10   2.5 bits
                                                     {------------------------------} p35-(23)-p10 953873 Gap 1.4 bits
... -----------} p35-(23)-p10 953828 Gap 1.4 bits |------------------------------| p35-p10 953873 total 5.5 bits
... -----------| p35-p10 953828 total 4.6 bits   {------------------------------} p35-(24)-p10 953894 Gap 2.4 bits
p10   3.0 bits |------------------------------| p35-p10 953894 total 7.4 bits

```
          *      *953910    *      *953920    *      *953930    *      *953940    *      *953950    *      *953960    *      *953970    *      *953980
5' a a t t a a a g g g a g c a t c a g g c g a a t a a g t a a c a a t a t c g a t c g t a t t t a t t a a t a c a a t t a c c g a t a t t t a a c c t t a t 3'
```

p35 2.5 bits

p10 5.1 bits

p35 4.8 bits

p10 4.5 bits

{ - } p35-(23)-p10 953928 Gap 1.4 bits
| - | p35-p10 953928 total 6.1 bits

{ - } p35-(26)-p10 953976 Gap 3.7 bits
| - | p35-p10 953976 total 5.6 bits

p35 1.4 bits

{ - ... p35-(23)-p10 953988 Gap
| - ... p35-p10 953988 total 6.9

p35 4.1 bits

{ - - - - - - - - - - - - - - - ... p35-(22)-p10 953996 Gap
| - - - - - - - - - - - - - - - ... p35-p10 953996 total 5.0
{ - - - - - - - - - - - - - - - ... p35-(23)-p10 953997 Gap
| - - - - - - - - - - - - - - - ... p35-p10 953997 total 5.3

```
          *      *953990    *      *954000    *      *954010    *      *954020    *      *954030    *      *954040    *      *954050    *      *954060
5' a a t t a c a a t t a t t t a t t a c a a a t a t a t g t a a g c g g g g c a t t a a a a a a a c g c c c g t a a t a t a a c t c a g a c t a a t c a 3'
                                        -fMet - gln - ile - tyr - val - lys - arg - gly - ile - lys - lys - thr - pro - arg - asn - ile - thr - gln - thr - asn - his -
                                        -fMet -
```

p10 6.9 bits

p10 3.2 bits

p10 2.6 bits

... [p35-(23)-p10 953988 Gap 1.4 bits
... - - - - - - - | p35-p10 953988 total 6.9 bits

... [p35-(22)-p10 953996 Gap 2.3 bits
... - - - - - - - | p35-p10 953996 total 5.0 bits
... [p35-(23)-p10 953997 Gap 1.4 bits
... - - - - - - - - - - - - - - - - - - - | p35-p10 953997 total 5.3 bits

```
          *      *954070    *      *954080    *      *954090    *      *954100    *      *954110
5' t t a a g c c t a c a t t g c g t a g g c t a t t t g a t t t t a t t t t g c c c a g a a t g c t g 3'
                                        -fMet - ile - leu - phe - cys - pro - glu - cys -
                                        -fMet - arg - arg - leu - phe - asp - phe - ile - leu - pro - arg - met - leu -
                                        <- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - ... NC_000913.ycaO
```