piece 1, NC_000913, purL_yfhD-, config: linear, direction: -, begin: 2693990, end: 2693546

```
        *2693990  *     *2693980  *     *2693970  *     *2693960  *     *2693950  *     *2693940  *     *2693930  *     *2693920  *     *2693910
5' a t a a g t c a g g g g a g t a t g a a t g g t g c t c a c a c g c a a c t c t c c c c g c g c t t g a a t g g c g g c g a t a c g g t t g t c g g c t t t a c c 3'
   - ile - ser - gln - gly - ser - met - asn - gly - ala - his - thr - gln - leu - ser - pro - arg - ala -  - fMet - ala - ala - ile - arg - leu - ser - ala - leu - pro -
     - lys - ser - gly - glu - tyr - glu - trp - cys - ser - his - ala - thr - leu - pro - ala - leu - glu - trp - arg - arg - tyr - gly - cys - arg - leu - tyr - gln -
... ------------------------------------------] NC_000913.yfhD
```

```
        *              *2693900  *     *2693890  *     *2693880  *     *2693870  *     *2693860  *     *2693850  *     *2693840  *     *2693830
5' a a a c c a g g g a a t g g a t g g c c a g a g a g c g a c g c g g a g c a g c a g t g c c a g a a t g c c g a t g a a c a g a t a a t t a a t c t t t a a t t t 3'
   - lys - pro - gly - asn - gly - trp - pro - glu - ser - asp - arg - glu - gln - gln - cys - gln - asn - ala - asp - glu - gln - ile - ile - asn - leu -  -  -
     - asn - gln - gly - met - asp - gly - gln - arg - ala - thr - ala - ser - ser - ser - ala - arg - met - pro - met - asn - arg -
       - thr - arg - glu - trp - met - ala - arg - glu - arg - pro - arg - ala - ala - val - pro - glu - cys - arg -
```

p35 2.1 bits   p10 4.5 bits

{------------------------------} p35-(24)-p10 2693835 Gap 2.4 bits
|-----------------------------| p35-p10 2693835 total 4.1 bits

```
        *              *2693820  *     *2693810  *     *2693800  *     *2693790  *     *2693780  *     *2693770  *     *2693760  *     *2693750
5' t t t c a a t t a g t t a a t t c t c t g t g t c g c g c g t c c c a c g c t t g a a a a a c g t a a t a a t a g t g a a a g g t t t a c t c a t a a a t g a 3'
                                                       -fMet - lys - lys - arg - asn - asn - ser - glu - arg - phe - thr - his - lys -  -
   -  -  - - -  -  -  -  -  - -fMet - arg - val - pro - ala -  -  -  -  -  -fMet - lys - gly - leu - leu - ile - asn - glu -
   - fMet - ser - cys - ala - ser - gln - leu - glu - lys - thr -  -  -  -  -  -  -  - -fMet - ser -
```

sd   ... ir

{------------------------} sd-(12)-ir 2693751 Gap 4.0 bits
|-----------------------| sd-ir 2693751 purL_yfhD- total 7.3 b

```
        *              *2693740  *     *2693730  *     *2693720  *     *2693710  *     *2693700  *     *2693690  *     *2693680  *     *2693670
5' g c g g c a t t t t g c g t a a a c c t g c g c g c a a c t a t t a c a g c c a t c a g c a c g c g t t g c t a a t t c a c g a t g g t g a t 3'
                            -fMet - ala - thr - tyr - tyr - ser - his - trp - arg - his - ala - leu - leu - ile - his - asp - gly - asp -
   - arg - his - phe - ala -  -  -  -  -  -  -  -  -  -  -  -  -  -  - -fMet - val - ile -
     - gly - ile - leu - arg - lys - pro - ala - pro - asp - gly - asn - leu - leu - gln - pro - leu - ala - ala - arg - val - ala - asn - ser - arg - trp -
```

... ir purL_yfhD-   p35 5.2 bits   [###> orf 28 codons

{-------------------------------------- ... p35-(21)-p10 2693665 Gap
|-------------------------------------- ... p35-p10 2693665 total 4.5
{-------------------------------------- ... p35-(23)-p10 2693663 Gap
|-------------------------------------- ... p35-p10 2693663 total 4.7

```
        *              *2693660  *     *2693650  *     *2693640  *     *2693630  *     *2693620  *     *2693610  *     *2693600  *     *2693590
5' t t t a t t t c c a c g c a a a c g g t t t c g t c a g c g c a t c a g a t t c t t t a t a a t g a c g c c g t t t c c c c c c c t t g g g t a c c g a a a 3'
   - phe - ile - ser - thr - gln - thr - val - ser - ser - ala - his - gln - ile - leu - phe - tyr - asn - asp - ala - arg - phe - pro - pro - leu - gly - thr - pro - lys -
     - leu - phe - pro - arg - lys - arg - phe - arg - gln - arg - ile - arg - phe - phe - ile - met - thr - pro - val - ser - pro - pro - trp - val - his - arg - lys -
```

p10 2.6 bits   p35 3.5 bits   p10 8.4 bits   ... sd

... --} p35-(21)-p10 2693665 Gap 3.3 bits
... --| p35-p10 2693665 total 4.5 bits   {------------------------------------} p35-(23)-p10 2693623 Gap 1.4 bits
... ----} p35-(23)-p10 2693663 Gap 1.4 bits |------------------------------------| p35-p10 2693623 total 10.4 bits
... -----| p35-p10 2693663 total 4.7 bits

p10 0.9 bits

```
        *              *2693580  *     *2693570  *     *2693560  *     *2693550
5' g c t t a g a a g a c g a g a g a c t t a t g a t g g a a a t t c t g c g t g g 3'
   - ala -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  - -fMet -
     - leu - arg - arg - arg - glu - thr - tyr - asp - gly - asn - ser - ala - trp -
                           -fMet - met - glu - ile - leu - arg -
```

... sd   [------------------------------------- ... NC_000913.purL

ir purL_yfhD-

sd-(9)-ir 2693565 Gap 2.3 bits
sd-ir 2693565 purL_yfhD- total 8.3 bits

sd

ir purL_yfhD-

sd-(10)-ir 2693562 Gap 2.7 bits
sd-ir 2693562 purL_yfhD- total 7.6 bits