- 1 -

piece 1, NC_000913, yncA_yncB+, config: linear, direction: +, begin: 1516841, end: 1517046
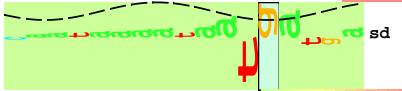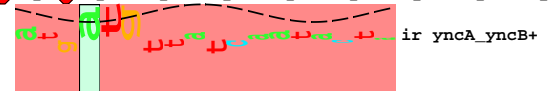
```
        *       *1516850  *       *1516860  *       *1516870  *       *1516880  *       *1516890  *       *1516900  *       *1516910  *       *1516920
5' g t c g g c t t t g c g g g c a a a a c g g a t g g a c a t g t c t g g c c t c a a t a a a a t a a t g a t g a t g t t a t c a a t a c t a t c g a a a c 3'
   - val - gly - phe - ala - gly - lys - thr - asp - gly - his - val - trp - pro - gln -   -   -   -   -   -   -   -   -   -
   - ser - ala - leu - arg - ala - lys - arg - met - asp - met - ser - gly - leu - asn - lys - ile - met - met - met - met - leu - ser - ile - leu - ser - lys - thr -
   - arg - leu - cys - gly - gln - asn - gly - trp - thr - cys - leu - ala - ser - ile - lys -   -   -   -   -   -   -   -   -   -   -
```
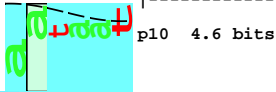
... ------------------------------------------------------------] NC_000913.yncA          ir yncA_yncB+

p35  4.3 bits            sd

{-------------} sd-(7)-ir 1516899 Gap 3.7 bits
|-------------| sd-ir 1516899 yncA_yncB+ total 7.9 bits

p10  4.6 bits

{-------------------} p35-(22)-p10 1516887 Gap 2.3 bits
|-------------------| p35-p10 1516887 total 6.6 bits

```
        *       *1516930  *       *1516940  *       *1516950  *       *1516960  *       *1516970  *       *1516980  *       *1516990  *       *1517000
5' a g c c c g a a g c a a c g g a t t c c t c g a t g a a a t t a t t g c g t g t t g c a g a g g g g a t g t g a c g g c t g c a a a c a a a a c c a a t c c c g t 3'
   -   -   -   -   -   -   -   -   -   -   -fMet - leu - gln - arg - gly - cys - asp - gly - cys - lys - gln - asn - gln - ser - arg -
   - ala - arg - ser - asn - gly - phe - leu - asp - glu - ile - ile - ala - cys - cys - arg - gly - asp - val - thr - ala - ala - asn - lys - thr - asn - pro - val -
   -   -   -   -   -   -   -   -fMet - lys - leu - leu - arg - val - ala - glu - gly - met -   -   -   -   -   -   -   -   -   -
```
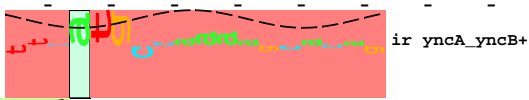
ir yncA_yncB+          [###> orf 11 codons

sd
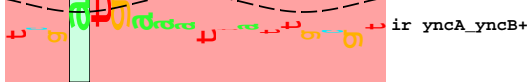
{-----------------} sd-(9)-ir 1516945 Gap 2.3 bits
|-----------------| sd-ir 1516945 yncA_yncB+ total 5.7 bits

```
        *       *1517010  *       *1517020  *       *1517030  *       *1517040  *
5' g a g c c t g c t a c t a t t g a t g g a t t c a t g c c a a a a g c a c a g g a g a g 3'
   - glu - pro - ala - thr - ile - asp - gly - phe - met - pro - lys - ala - gln - glu -
   - ser - leu - leu - leu - leu - met - asp - ser - cys - gln - lys - his - arg - arg -
   -   -   -   -   -   -   -   -   -   -   -   -   -
```

ir yncA_yncB+

sd

{---------} sd-(5)-ir 1517027 Gap 5.4 bits
|---------| sd-ir 1517027 yncA_yncB+ total 7.0 bits