piece 1, NC_000913, ygfB_zapA+, config: linear, direction: +, begin: 3053437, end: 3053653

```
        *3053440  *       *3053450  *       *3053460  *       *3053470  *       *3053480  *       *3053490  *       *3053500  *       *3053510  *
5' g t a a c c a g g c a t t t c g t t c t g t a t a g a c a t a a g c a t t c g t c g t c a a a g g g a g g a a t a t t c a t g a t a t g c t a c c a c t t t g g g 3'
 - val - thr - arg - his - phe - val - leu - tyr - arg - his - lys - his - ser - ser - ser - lys - gly - gly - ile - phe - met - ile - cys - tyr - his - phe - gly -
  -   -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -fMet - gly -
     - asn - gln - ala - phe - arg - ser - val -  -   -  -   -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -fMet - leu - pro - leu - trp - ala -
... ------------------------------------------------------------] NC_000913.ygfB                                        ir ygfB_zapA+
```

sd — ir ygfB_zapA+

{------------------} sd-(8)-ir 3053497 Gap 2.4 bits
|----------------| sd-ir 3053497 ygfB_zapA+ total 8.7 bits
{------------------} sd-(13)-ir 3053502 Gap 4.6 bits
|------------------| sd-ir 3053502 ygfB_zapA+ total 6.2 bits

```
        *3053520  *       *3053530  *       *3053540  *       *3053550  *       *3053560  *       *3053570  *       *3053580  *       *3053590  *
5' c c c t g g t g g a c c a g a a a a g g g c t t g t c t c t t c t c a t c a g g g t a g c t a t a g t g t c g c c c c t t c g c a g a c c a t g g g t c t a a a g 3'
 - pro - trp - trp - thr - arg - lys - gly - leu - val - ser - ser - his - gln - gly - ser - tyr - ser - val - ala - pro - ser - gln - thr - met - gly - leu - lys -
   - pro - gly - gly - pro - glu - lys - gly - leu - ser - leu - leu - ile - arg - val - ala - ile - val - ser - pro - leu - arg - arg - pro - trp - val -  -   -
    - leu - val - asp - gln - lys - arg - ala - cys - leu - phe - ser - ser - gly -  -   -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -
```
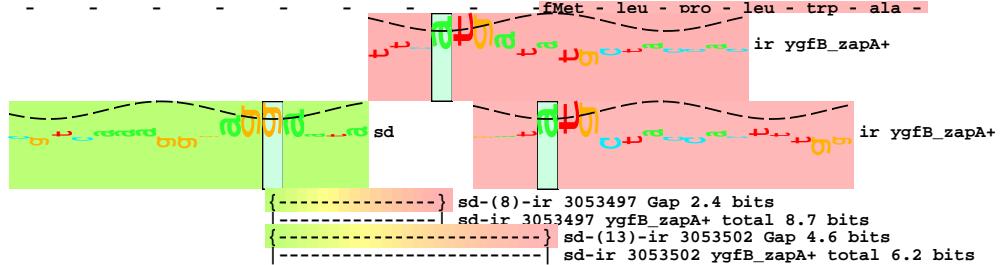
p35 5.6 bits   [##> orf 20 codons

p10 5.9 bits

{-----------------------} p35-(23)-p10 3053564 Gap 1.4 bits
|-----------------------| p35-p10 3053564 total 10.1 bits

p10 2.8 bits

{-------------------------} p35-(25)-p10 3053566 Gap 4.0 bits
|-------------------------| p35-p10 3053566 total 4.4 bits

```
        *3053600  *       *3053610  *       *3053620  *       *3053630  *       *3053640  *       *3053650  *
5' a c g a a g g c a g c g c a g t c a a t c a g c a g g a a g g t g g c a t g t c t g c a c a a c c c g t c g a 3'
 - thr - lys - ala - ala - gln - ser - ile - ser - arg - lys - val - ala - cys - leu - his - asn - pro - ser -
   -   -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -  -fMet - ser - ala - gln - pro - val -
```

sd   [-- ... NC_000913.zapA

ir ygfB_zapA+

{-----------------} sd-(9)-ir 3053634 Gap 2.3 bits
|-----------------| sd-ir 3053634 ygfB_zapA+ total 8.4 bits