piece 1, NC_000913, zraP_zraS-, config: linear, direction: -, begin: 4199978, end: 4199692

```
         *        *4199970  *       *4199960  *       *4199950  *       *4199940  *       *4199930  *       *4199920  *       *4199910  *       *4199900
5' g g a g t c t t t a g a a c g t t g c a t a a a a c g c a t c t t c t t c t t t g c c t g c t c a t c c c t t t c t g a c a g c a g a a a t c a t g c c a t c t t 3'
     -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -
     - glu - ser - leu - glu - arg - cys - ile - lys - arg - ile - phe - phe - phe - ala - cys - ser - ser - leu - ser - asp - ser - arg - asn - his - ala - ile - phe -
     - ser - leu -  ●  -   -   -   -   ●   -                       -fMet - pro - ala - his - pro - phe - leu - thr - ala - glu - ile - met - pro - ser - phe -
   ... ------------------------------------------------------------] NC_000913.zraS                                                                              ... ir
```
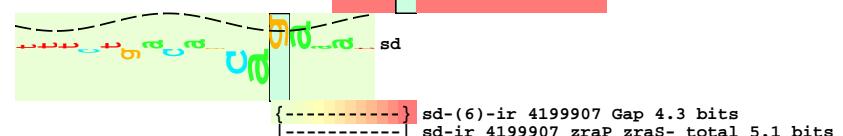
{-----------} sd-(6)-ir 4199907 Gap 4.3 bits
|-----------| sd-ir 4199907 zraP_zraS- total 5.1 bits

```
         *        *4199890  *       *4199880  *       *4199870  *       *4199860  *       *4199850  *       *4199840  *       *4199830  *       *4199820
5' t t a t c a g c g c t t a c c c t g c g c t g t a a c a c a a a g g c t t a a g t t t c a a t g a g t a a a a a t g a c t c g c t a c c c g c a g c a g g c g a g 3'
     -   -   -   -   -   -   -   -   -   -   -   -   -   ●   -   -   -   -   -   -fMet - ser - lys - asn - asp - ser - leu - pro - ala - ala - gly - glu -
     - tyr - gln - arg - leu - pro - cys - ala - val - thr - gln - arg - leu - lys - phe - gln -   -   -   -fMet - thr - arg - tyr - pro - gln - gln - ala - ser -
     - ile - ser - ala - tyr - pro - ala - leu -  ●  -   -   -   -   ●   -   -   ●
   ... ir zraP_zraS-              [###> orf 12 codons              ir zraP_zraS-
```
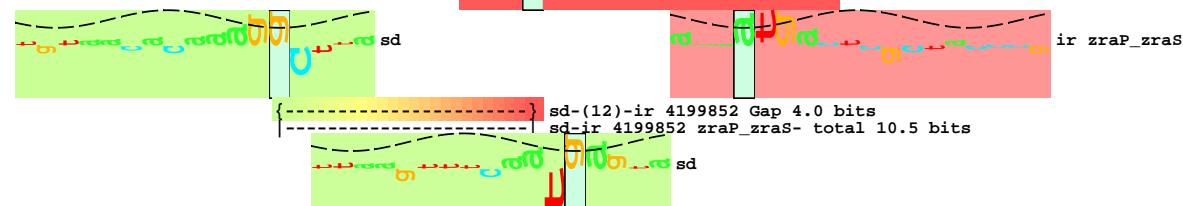
{---------------------} sd-(12)-ir 4199852 Gap 4.0 bits
|---------------------| sd-ir 4199852 zraP_zraS- total 10.5 bits

{---------------} sd-(8)-ir 4199842 Gap 2.4 bits
|---------------| sd-ir 4199842 zraP_zraS- total 8.5 bits

```
         *        *4199810  *       *4199800  *       *4199790  *       *4199780  *       *4199770  *       *4199760  *       *4199750  *       *4199740
5' t c a t t t t t a c t c g t t t a t c a t g c c a g a t t a c c c g t c a t a t c a g c g t t t c a t c g t t g g c a c g g a a g a t g c a a t a c c c g a a g t 3'
     - ser - phe - leu - leu - val - tyr - his - ala - arg - leu - pro - val - ile - ser - ala - phe - his - arg - trp - his - gly - arg - cys - asn - thr - arg - ser -
     - his - phe - tyr - ser - phe - ile - met - pro - asp - tyr - pro - ser - tyr - gln - arg - phe - ile - val - gly - thr - glu - asp - ala - ile - pro - glu - val -
     -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -   -fMet - ala - arg - lys - met - gln - tyr - pro - lys -  ●  -
```
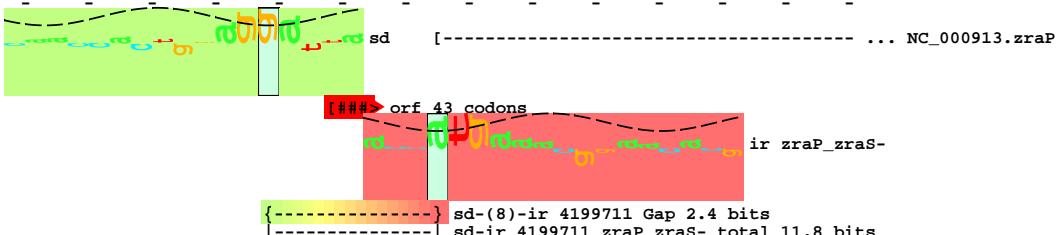
```
         *        *4199730  *       *4199720  *       *4199710  *       *4199700  *
5' a a g a c a a c c a c t g g a g g a t t a a c c a t g a a a c g g a a c a c g a a a t 3'
     - lys - thr - thr - thr - gly - gly - leu - thr - met - lys - arg - asn - thr - lys -
     - arg - gln - pro - leu - glu - asp -  ●  -   -   -   -   -   -   -   -
   sd              [--------------------------------------- ... NC_000913.zraP
```

[###> orf 43 codons
                              ir zraP_zraS-

{-------------} sd-(8)-ir 4199711 Gap 2.4 bits
|-------------| sd-ir 4199711 zraP_zraS- total 11.8 bits