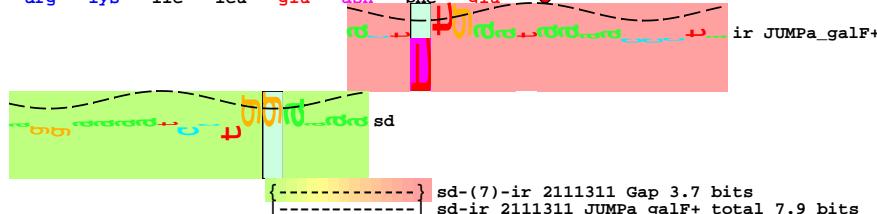piece 1, NC_000913, JUMPa_galF+, config: linear, direction: +, begin: 2111170, end: 2111477

```
       *2111170  *      *2111180  *      *2111190  *      *2111200  *      *2111210  *      *2111220  *      *2111230  *      *2111240  *      *2111250
5' g c c c c t g g c t t t a c a g c t a c c a g a g c a c t g c a t g c a t g c c t a t g a t g t g a c g a g c g t t a c c c a c t c g c g c t a a a c c c g a a a 3'
   - ala - pro - gly - phe - thr - ala - thr - arg - ala - leu - his - ala - cys - met - his - ala - tyr - asp - val - thr - ser - val - thr - his - ser - arg - 
     - pro - trp - leu - tyr - ser - tyr - gln - ser - thr - ala - cys - met - pro - met - met - 

           *      *2111260  *      *2111270  *      *2111280  *      *2111290  *      *2111300  *      *2111310  *      *2111320  *      *2111330
5' a a t t c a a a c g c t a a t t g t c t t a c c a a t c c g c t c t g g a a a c a a g g a a a a t c c t g g a a a a c t t t g a a t a a a a c c c t a c t g c t a 3'
                                                                                          -fMet - asn - lys - thr - leu - leu - leu - 
                     - - -fMet - ser - tyr - gln - ser - ala - leu - glu - thr - arg - lys - ile - leu - glu - asn - phe - glu - 
```

ir JUMPa_galF+

sd

{------------} sd-(7)-ir 2111311 Gap 3.7 bits
|------------| sd-ir 2111311 JUMPa_galF+ total 7.9 bits

```
           *      *2111340  *      *2111350  *      *2111360  *      *2111370  *      *2111380  *      *2111390  *      *2111400  *      *2111410
5' a c t c g t t g t t a t t c t g a t g g t t t a t a t a a a a c a a c g g c a g g a a g a t t c g c a a c a a t t a c t t t t g c t g c g a a t t t t c a c t g 3'
   - thr - arg - cys - tyr - ser - asp - gly - leu - tyr - lys - gln - thr - arg - gln - gln - ile - thr - phe - ala - ala - asn - phe - his - cys - 
     -fMet - leu - phe -          -fMet - val - tyr - ile - lys - gln - arg - gln - glu - asp - ser - gln - gln - ile - thr - phe - cys - cys - glu - phe - ser - leu - 
                                                                                                                     -fMet - leu - arg - ile - phe - thr - ala - 
```

p35   4.7 bits

p10   3.3 bits

p35   4.3 bits

{------------------------} p35-(21)-p10 2111359 Gap 3.3 bits
|----------------------------| p35-p10 2111359 total 4.7 bits

{-----------------------------} ... p35-(23)-p10 2111418 Gap
|---------------------------------| ... p35-p10 2111418 total 11.
{-----------------------------} ... p35-(25)-p10 2111420 Gap
|---------------------------------| ... p35-p10 2111420 total 4.7

```
           *      *2111420  *      *2111430  *      *2111440  *      *2111450  *      *2111460  *      *2111470  *
5' c c g t t a t a a t t t t c t t a t c a a c c g t t a c a t c c g g t c a g a t t t t c a t t a t t c g c t t a a c a g c t t c t 3'
   - pro - leu - 
     - arg - tyr - asn - phe - leu - ile - asn - arg - tyr - ile - arg - ser - asp - phe - his - tyr - ser - leu - asn - ser - phe - 
       - val - ile - ile - phe - leu - ser - thr - val - thr - ser - gly - gln - ile - phe - ile - ile - arg - leu - thr - ala - ser - 
```

[###]> orf 37 codons

<--- ... NC_000913.galF

... {------------} p35-(23)-p10 2111418 Gap 1.4 bits
... |----------| p35-p10 2111418 total 11.3 bits
... {------------} p35-(25)-p10 2111420 Gap 4.0 bits
... |------------| p35-p10 2111420 total 4.7 bits

p10   8.4 bits

p10   4.4 bits