- 1 -

piece 1, NC_000913, dinQ_TERM54+, config: linear, direction: +, begin: 3645827, end: 3646156

```
        *3645830   *      *3645840   *      *3645850   *      *3645860   *      *3645870   *      *3645880   *      *3645890   *      *3645900   *
5' g a t g g a g t g a g a a t g c a t c c g c t t a c t c a t c c a c t g c c t g t c a c g g c g c a t g t c t c a t t g t t a g a t a a g a a c t c t c t c a c t 3'
   - asp - gly - val - arg - met - his - pro - leu - thr - his - pro - leu - pro - val - thr - ala - his - val - ser - leu - leu - asp - lys - asn - ser - leu - thr -
   - met - glu - ●            -fMet - ser - his - cys - ●
   - trp - ser - glu - asn - ala - ser - ala - tyr - ser - ser - thr - ala - cys - his - gly - ala - cys - leu - ile - val - arg - ●   -   -   -   -   -

        *3645910   *      *3645920   *      *3645930   *      *3645940   *      *3645950   *      *3645960   *      *3645970   *      *3645980   *
5' c c g g c c a g a g c a t c a g t t a a c g g c a c c a c c c g t a c t t c t g a c c a g g a c t t t g a a a g c g g t t t a t g c g c a t t g c c a g a g t g a a 3'
   - pro - ala - arg - ala - ser - val - asn - gly - thr - thr - arg - thr - ser - asp - gln - asp - phe - glu - ser - val - tyr - ala - his - cys - gln - ser - glu -
                                                                                           -fMet - lys - ala - phe - met - arg - ile - ala - arg - val - lys -
                                                                                                                          -fMet - pro - glu - ●
```
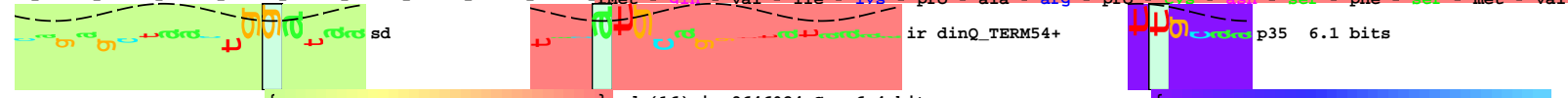
p35 6.4 bits   p10 1.2 bits

{--} p35-(23)-p10 3645981 Gap 1.4 bits
|--| p35-p10 3645981 total 6.2 bits

```
        *3645990   *      *3646000   *      *3646010   *      *3646020   *      *3646030   *      *3646040   *      *3646050   *      *3646060   *
5' a a t g c c t c a g a g c t a a c t g g a t a a t c a t a c a g t a c a t g c a g g t t a t a a a a c c a g c a c g t c c t t g c a a t a g t t t c a g t a t g g 3'
   - asn - ala - ser - glu - leu - thr - gly - ●                                                              -fMet - gln - ●
   - met - pro - gln - ser - ●
                    -fMet - gln - val - ile - lys - pro - ala - arg - pro - cys - asn - ser - phe - ser - met - val -
```
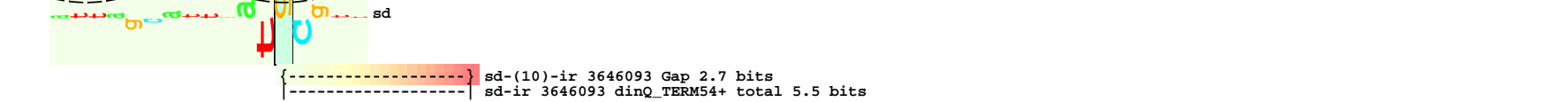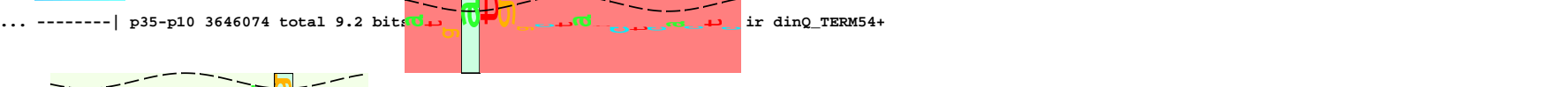
sd   ir dinQ_TERM54+   p35 6.1 bits

{-------------------------} sd-(16)-ir 3646024 Gap 6.4 bits   {------------------------ ... p35-(23)-p10 3646074 Gap
|-------------------------| sd-ir 3646024 dinQ_TERM54+ total 6.1 bits |----------------------- ... p35-p10 3646074 total 9.2

```
        *3646070   *      *3646080   *      *3646090   *      *3646100   *      *3646110   *      *3646120   *      *3646130   *      *3646140   *      *3646150
5' t a t t a g c a t t g a t g c g t t a g a t g a t g g c t a t c t c a c t c c a g t c a g a g c c a c c a a c t c a g g c t g g a a a g t a a a a a a c c g a c 3'
   - leu - ala - leu - met - arg - ●   -fMet - met - ala - ile - ser - leu - gln - ser - glu - pro - pro - thr - gln - gly - trp - lys - val - lys - asn - arg - arg -
```

p10 4.5 bits   [###> orf 22 codons

... --------} p35-(23)-p10 3646074 Gap 1.4 bits

... --------| p35-p10 3646074 total 9.2 bits   ir dinQ_TERM54+

sd

{-------------------} sd-(10)-ir 3646093 Gap 2.7 bits
|-------------------| sd-ir 3646093 dinQ_TERM54+ total 5.5 bits

```
        *
5' g c a a g 3'
   -     -     -     -
   -     lys -
```