piece 1, NC_000913, ydeH_ydeI+, config: linear, direction: +, begin: 1621845, end: 1622148

```
*        *1621850   *        *1621860   *        *1621870   *        *1621880   *        *1621890   *        *1621900   *        *1621910   *        *1621920   *
5' g g c a t c a a t t t c c g t t g t c t t c t t g a t c a t t g c c a c t c c t t t t t c a c a g t t c c t t g t g c g c g c t a t t c t a a c g a g a g a a a 3'
   - gly - ile - asn - phe - arg - cys - leu - leu - asp - his - cys - his - ser - phe - thr - val - pro - cys - ala - arg - tyr - ser - asn - glu - arg - lys -
   - ala - ser - ile - ser - val - val - phe - leu - ile - ile - ala - thr - pro - phe - ser - gln - phe - leu - val - arg - ala - ile - leu - thr - arg - glu - lys -
     - his - gln - phe - pro - leu - ser - ser - ●  -    -fMet - pro - leu - leu - phe - his - ser - ser - leu - cys - ala - leu - phe - ●  -  -   -   -   -   -
... -----------------------------------------------] NC_000913.ydeH          p35  4.6 bits                                    p10  6.0 bits
                                                                           {-----------------------------------------}  p35-(23)-p10 1621909 Gap 1.4 bits
                                                                           |-----------------------------------------|  p35-p10 1621909 total 9.2 bits
```
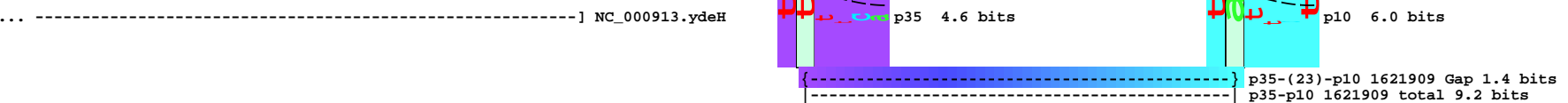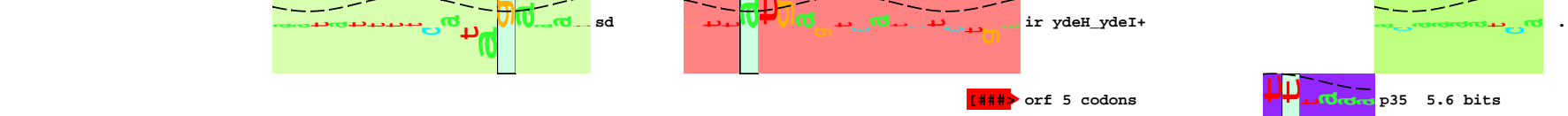
```
*1621930   *        *1621940   *        *1621950   *        *1621960   *        *1621970   *        *1621980   *        *1621990   *        *1622000   *
5' g c a a a a t t a c g t c a a t a t t t c a t a g a a a t c c g a a g t t a t g a g t c a t c t c t g a g a t a a c a t t g t g a t t a a a a c a a a t c a 3'
   - ala - lys - leu - arg - gln - tyr - phe - his - arg - asn - pro - lys - leu -        -            -fMet -  -   -   -   -   -   -
     - gln - asn - tyr - val - asn - ile - phe - ile - glu - ile - arg - ser - tyr - glu - ser - ser - leu - arg - ●  -       -fMet - ile - ●  -   -   -
       -fMet - ser - his - leu -     -   -        -fMet -  -
       sd                                        ir ydeH_ydeI+                                                      ... sd
                                                                    [###> orf 5 codons                            p35  5.6 bits
   {-------------------}  sd-(13)-ir 1621964 Gap 4.6 bits                                      {----------------- ... p35-(23)-p10 1622016 Gap
   |-------------------|  sd-ir 1621964 ydeH_ydeI+ total 6.2 bits                              |----------------- ... p35-p10 1622016 total 5.4
```
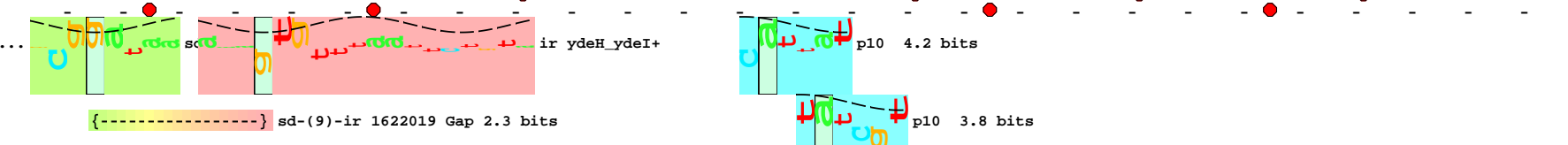
```
*1622010   *        *1622020   *        *1622030   *        *1622040   *        *1622050   *        *1622060   *        *1622070   *        *1622080   *
5' g c g g a t a a a a a g t g t t t a a t t c t g t a a a t t a c c t c t g c a t t a t c g t a a a t a a a a g g a t g a c a a a t a g c a t a a c c c a a t a c 3'
   -   -   -   -   -fMet - phe - asn - ser - val - asn - tyr - leu - cys - ile - ile - val - asn - lys - arg - met - thr - asn - ser - ile - thr - gln - tyr -
... sc                        ir ydeH_ydeI+                                      p10  4.2 bits
   {-------------------}  sd-(9)-ir 1622019 Gap 2.3 bits                            p10   3.8 bits
```
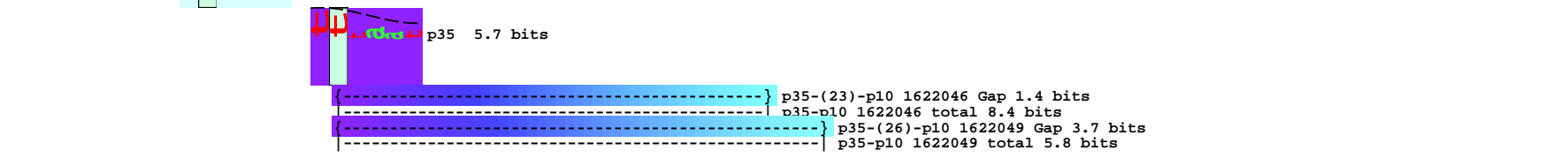
```
... ------------------} p35-(23)-p10 1622016 Gap 1.4 bits
... ------------------| p35-p10 1622016 total 5.4 bits
   |-------------------| sd-ir 1622019 ydeH_ydeI+ total 8.5 bits
                           p10  1.3 bits
                                p35  5.7 bits
                    {-------------------------------------} p35-(23)-p10 1622046 Gap 1.4 bits
                    |-------------------------------------| p35-p10 1622046 total 8.4 bits
                    {-------------------------------------} p35-(26)-p10 1622049 Gap 3.7 bits
                    |-------------------------------------| p35-p10 1622049 total 5.8 bits
```

```
*1622090   *        *1622100   *        *1622110   *        *1622120   *        *1622130   *        *1622140   *
5' c c t a a t g g c c c a g t a g t t c a g g c c a t c a g g c t a a t t t a t t t t t a t t t c t g c a a a t g a g t g a 3'
   - pro - asn - gly - pro - val - val - gln - ala - ile - arg - leu - ile - tyr - phe - tyr - phe - cys - lys - ●  -fMet -
     -   -fMet - ala - gln - ●  -   -   -   -   -   -   -   -   -   -   -   -     -fMet - ser -
                                                            <------------------------------------ ... NC_000913.ydeI
                                                            [###> orf 42 codons
```