piece 1, NC_000913, uvrA_ssb+, config: linear, direction: +, begin: 4271865, end: 4272167

```
        *       *4271870   *       *4271880   *       *4271890   *       *4271900   *       *4271910   *       *4271920   *       *4271930   *       *4271940   *
5' g c g g g c g c c c g a a c t t c g a t c t t a t c c a t t c a c c t t t c c c g g a t t a a a c g c t t t t t t g c c c g g t g g c a t g g t g c t a c c g g 3'
    - ala - gly - ala - pro - asn - phe - asp - leu - ile - ile - his - ser - pro - phe - pro - asp -       -       - fMet - ala - trp - cys - tyr - arg -
      - arg - ala - pro - arg - thr - ser - ile - leu - ser - ile - his - leu - ser - arg - ile - lys - arg - phe - phe - ala -       - trp - his - gly - ala - thr - gly -
        - gly - arg - pro - glu - leu - arg - ser - tyr - pro - phe - pro - gly - leu - asn - ala - phe - leu - pro - gly - gly - met - val - leu - pro - ala -
                                                            ------------------------] NC_000913.uvrA
```

```
        *       *4271950   *       *4271960   *       *4271970   *       *4271980   *       *4271990   *       *4272000   *       *4272010   *       *4272020   *
5' c g a t c a c a a a c g g t t a a t t a t g a c a c a a a t t g a c c t g a a t g a a t a t a c a g t a t t g g a a t g c a t t a c c c g g a g t g t t t g t g t a 3'
    - arg - ser - gln - thr - val - asn - tyr - asp - thr - asn -       -       -       -       -       -       - fMet - his - tyr - pro - glu - cys - cys - val -
      - asp - his - lys - arg - leu - ile - met - thr - glu - asn - glu - lys - thr - val - leu - thr - arg - ser - val - val -
        - ile - thr - asn - gly - fMet - thr - fMet - asn - ile - gln - tyr - trp - asn - ala - leu - pro - gly - val - leu - cys - asn -
```
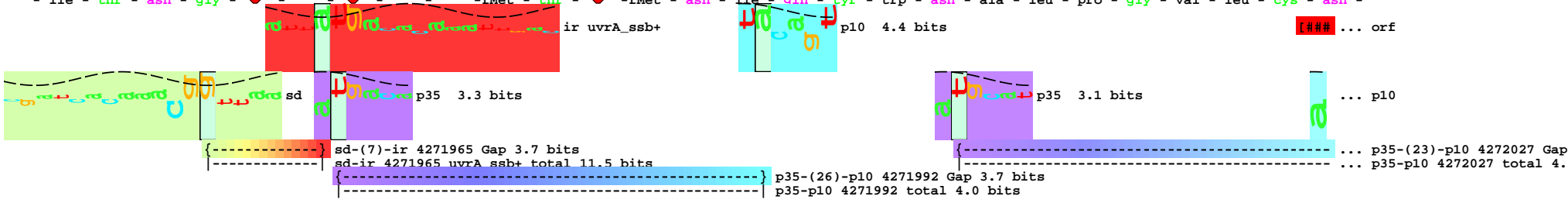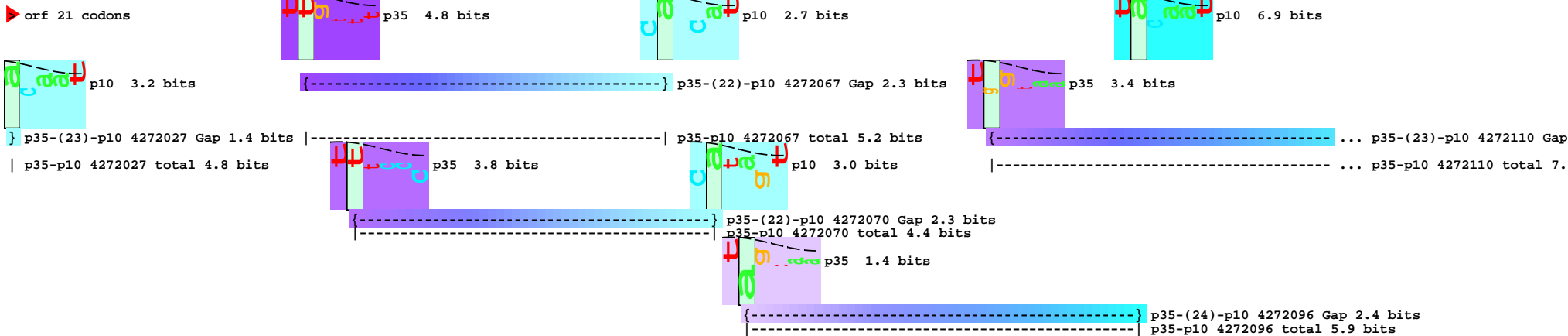
ir uvrA_ssb+   p10 4.4 bits   [### ... orf

sd   p35 3.3 bits   p35 3.1 bits   ... p10

{----------} sd-(7)-ir 4271965 Gap 3.7 bits   {----------------------} p35-(23)-p10 4272027 Gap
|----------| sd-ir 4271965 uvrA_ssb+ total 11.5 bits |---------------------- ... p35-p10 4272027 total 4.8

{----------------------} p35-(26)-p10 4271992 Gap 3.7 bits
|----------------------| p35-p10 4271992 total 4.0 bits

```
        *4272030   *       *4272040   *       *4272050   *       *4272060   *       *4272070   *       *4272080   *       *4272090   *       *4272100   *
5' a c a a t g t c t g g c c a g g t t t g t t t c c c g g a a c c g a g g t c a c a a c a t a g t a a a a g c g c t a t t g g t a a t g g t a c a a t c g c g c g t 3'
    - thr - met - ser - gly - gln - val - cys - phe - pro - glu - pro - arg - ser - gln - his - ser - lys - ser - ala - ile - ala - gly - thr - ala - arg -
      - asn - val - trp - pro - gly - leu - phe - pro - gly - thr - glu - val - thr - thr -       -       -       -       - fMet - val - met - val - gln - ser - arg - val -
```

... orf 21 codons   p35 4.8 bits   p10 2.7 bits   p10 6.9 bits

... p10 3.2 bits   {----------------------} p35-(22)-p10 4272067 Gap 2.3 bits   p35 3.4 bits

... } p35-(23)-p10 4272027 Gap 1.4 bits |----------------------------------| p35-p10 4272067 total 5.2 bits   {---------------------------------- ... p35-(23)-p10 4272110 Gap

... | p35-p10 4272027 total 4.8 bits   p35 3.8 bits   p10 3.0 bits |---------------------------------- ... p35-p10 4272110 total 7.8

{----------------------} p35-(22)-p10 4272070 Gap 2.3 bits
|----------------------| p35-p10 4272070 total 4.4 bits

p35 1.4 bits

{------------------------------} p35-(24)-p10 4272096 Gap 2.4 bits
|------------------------------| p35-p10 4272096 total 5.9 bits

```
        *4272110   *       *4272120   *       *4272130   *       *4272140   *       *4272150   *       *4272160   *
5' t t a c a c t t a t t c a g a a c g a t t t t t t t c a g g a g a c a c g a a c a t g g c c a g c a g a g g c g t a a a 3'
    - leu - his - leu - phe - arg - thr - ile - phe - phe - arg - arg - his - glu - his - gly - gln - gln - arg - arg - lys -
      - tyr - thr - tyr - ser - glu - arg - phe - phe - ser - gly - asp - thr - asn - met - ala - ser - arg - gly - val -
```

p10 5.8 bits   sd   [------------------------------------ ... NC_000913.ssb

ir uvrA_ssb+

... ----} p35-(23)-p10 4272110 Gap 1.4 bits   {----------------------} sd-(11)-ir 4272148 Gap 3.0 bits
... ----| p35-p10 4272110 total 7.8 bits |----------------------| sd-ir 4272148 uvrA_ssb+ total 10.9 bits