piece 1, NC_000913, emrK_evgA-, config: linear, direction: -, begin: 2481806, end: 2481342

```
                *       *2481800  *         *2481790  *         *2481780  *         *2481770  *         *2481760  *         *2481750  *         *2481740  *         *2481730
5' a g g a t g g t c a t c a a t a a t t a t t g c g t t c a t a g a t t a t t c c c t t t g c a a t g a a g c a t c t c c t t c t c c c t g t a g t a a t a c a g 3'
    -   arg - met - val - ile - asn - asn - tyr - cys - val - his - arg - leu - phe - pro - leu - gln -   -   -   asn - glu - ala - ser - pro - phe - ser - leu -   -   -   -   -
    -   asp - gly - his - gln -   -   -   -fMet - arg - ser -   -   -   -   -   -fMet - lys - his - leu - pro - ser - pro - cys - ser - asn - thr - asp -
... ------------------------------------------------1 NC_000913.evgA
```
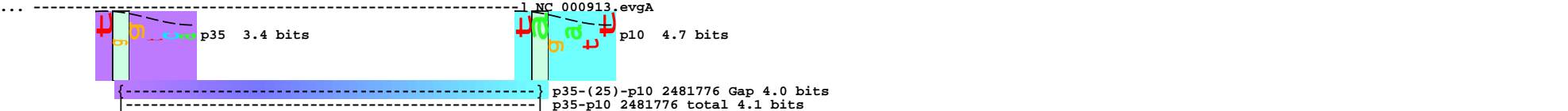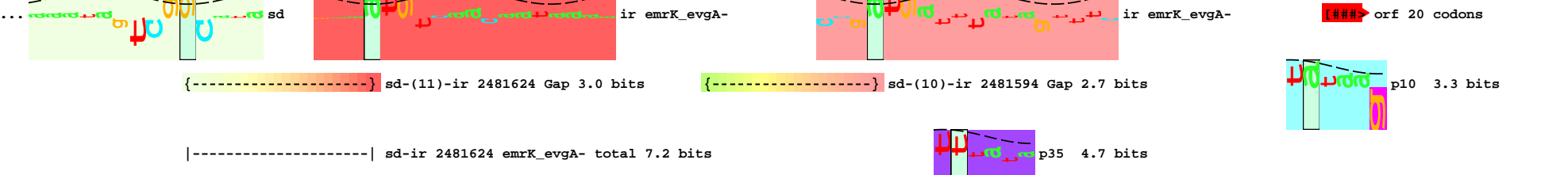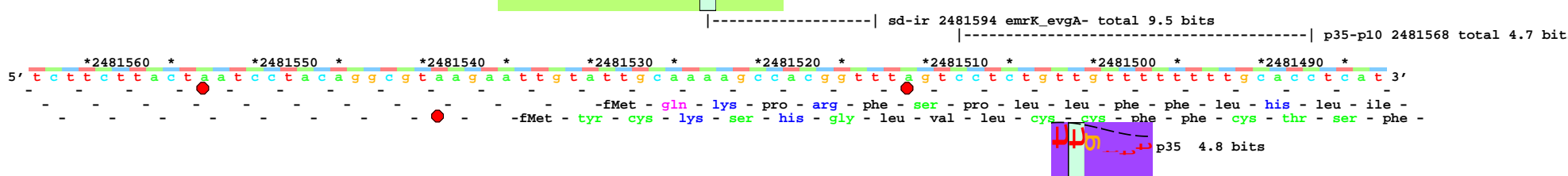
p35 3.4 bits   p10 4.7 bits

p35-(25)-p10 2481776 Gap 4.0 bits
p35-p10 2481776 total 4.1 bits

```
                *       *2481720  *         *2481710  *         *2481700  *         *2481690  *         *2481680  *         *2481670  *         *2481660  *         *2481650  *
5' a c a t a a g g c g t c a t c t c a t t t c t c a a t a a a a t a a g a a a a t c t g a g c t t c c t t t a a g a t a a t t c g a c a a g t a t a c c a t a t 3'
    -   ile - arg - arg - his - leu - ile - phe - ser - ile - lys - ile - arg - lys - ser - glu - leu - pro - leu - arg -   -   -   -   -   -   -   -   -
```
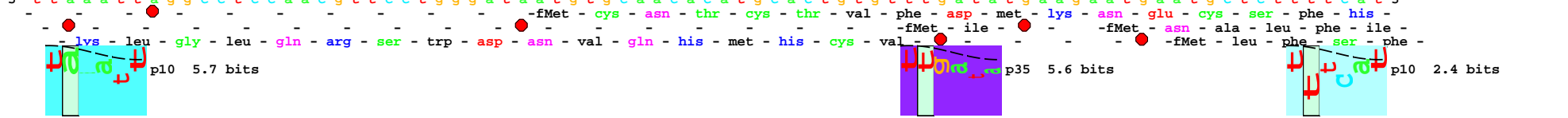
p35 4.7 bits   ... sd   p10 4.9 bits

p35-(21)-p10 2481651 Gap 3.3 bits
p35-p10 2481651 total 6.3 bits

```
                *2481640  *         *2481630  *         *2481620  *         *2481610  *         *2481600  *         *2481590  *         *2481580  *         *2481570  *
5' a a a t a g t c g g c a t a a a t g a a a t g t c a a c a a t a a a a t c a g g g a t t g t a c c g a t g a t t t a t a g t t t c a a g t t g g c a c t a t a a g 3'
    -   -   -fMet - lys - cys - gln - gln -   -   -   -fMet - tyr - arg -   -   -   -   -
              -fMet - ser - thr - ile - lys - ser - gly - ile - val - pro - met - ile - tyr - ser - phe - lys - leu - ala - leu -   -   -
```

... sd   ir emrK_evgA-   ir emrK_evgA-   [###> orf 20 codons

sd-(11)-ir 2481624 Gap 3.0 bits   sd-(10)-ir 2481594 Gap 2.7 bits   p10 3.3 bits

sd-ir 2481624 emrK_evgA- total 7.2 bits   p35 4.7 bits

sd   p35-(21)-p10 2481568 Gap 3.3 bits

sd-ir 2481594 emrK_evgA- total 9.5 bits   p35-p10 2481568 total 4.7 bits

```
                *2481560  *         *2481550  *         *2481540  *         *2481530  *         *2481520  *         *2481510  *         *2481500  *         *2481490  *
5' t c t t c t t a c t a a t c c t a c a g g c g t a a g a a t t g t a t t g c a a a a g c c a c g g t t t a g t c c t c t g t t g t t t t t t t g c a c c t c a t 3'
    -   -   -   -   -   -   -fMet - gln - lys - pro - arg - phe - ser - pro - leu - leu - phe - phe - leu - his - leu - ile -
    -   -   -   -fMet - tyr - cys - lys - ser - his - gly - leu - val - leu - ser - cys - phe - phe - cys - thr - ser - phe -
```

p35 4.8 bits

p35-(21)-p10 2481480 Gap ...
p35-p10 2481480 total 7.2 ...

```
                *2481480  *         *2481470  *         *2481460  *         *2481450  *         *2481440  *         *2481430  *         *2481420  *         *2481410  *
5' t t a a a t t a g g c c t c a a c g g t c c t c t g g g a t a a t g t g c a a c a c a g t g a c t g t t t g a t a t g a a g a a g a a t g a a t g c t c t t t t c a t 3'
              -fMet - cys - asn - thr - cys - thr - val - phe - asp - met - lys - asn - glu - cys - ser - phe - his -
    -   lys - leu - gly - leu - gln - arg - ser - trp - asp - asn - val - gln - his - met - his - cys - val -   -   -   -   -fMet - ile -   -   -   -fMet - asn - ala - leu - phe - ile -
                                                                                                -fMet - leu - phe - ser - phe -
```

p10 5.7 bits   p35 5.6 bits   p10 2.4 bits

... ----} p35-(21)-p10 2481480 Gap 3.3 bits
... ----| p35-p10 2481480 total 7.2 bits

{--------------------------------------} p35-(23)-p10 2481406 Gap 1.4 bits
|--------------------------------------| p35-p10 2481406 total 6.6 bits

p35   2.4 bits   ... p10

{------------------------------------} p35-(24)-p10 2481405 Gap 2.4 bits
|------------------------------------| p35-p10 2481405 total 4.3 bits

p35   3.5 bits   ... p10

{----------------------------------- ... p35-(23)-p10 2481401 Gap
|----------------------------------- ... p35-p10 2481401 total 4.0

{------------------------------- ... p35-(25)-p10 2481392 Gap
|------------------------------- ... p35-p10 2481392 total 5.2

*2481400 *   *2481390 *   *2481380 *   *2481370 *   *2481360 *   *2481350 *

5' tcaattcataaatttcatctatgagaaatgagagataatagtggaacagattaattcaaa 3'
- ser - ile - his - lys - phe - his - leu - ● - -fMet - arg - asp - asn - ser - gly - thr - asp - ● -   -   -
- gln - phe - ile - asn - phe - ile - tyr - glu - lys - ● -   -   - -fMet - glu - gln - ile - asn - ser -
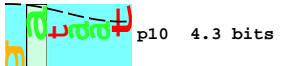- asn - ser - ● - -fMet - arg - asn - glu - arg - ● - ● -   -   -   -   -   -   -

sd   [--- ... NC_000913.emrK

p10   5.7 bits   ir emrK_evgA-   [###> orf 9 codons

{----------} sd-(5)-ir 2481374 Gap 5.4 bits
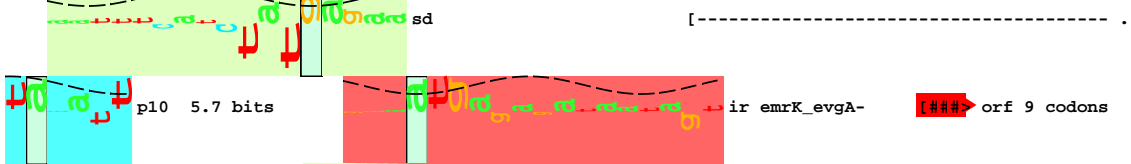
... p10   1.2 bits |--------| sd-ir 2481374 emrK_evgA- total 6.3 bits

sd   ir emrK_evgA-

p35   5.3 bits   {---------------------} sd-(11)-ir 2481361 Gap 3.0 bits
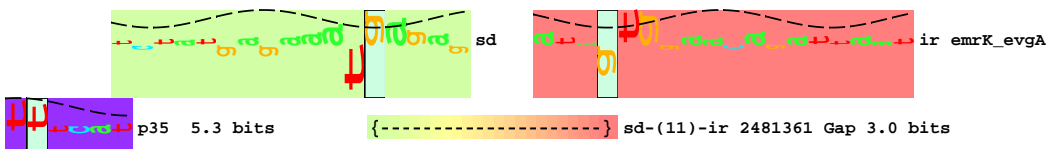
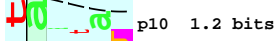... p10   3.0 bits |---------------------| sd-ir 2481361 emrK_evgA- total 8.5 bits

... } p35-(23)-p10 2481401 Gap 1.4 bits   p10   4.3 bits

... | p35-p10 2481401 total 4.0 bits   p10   1.2 bits

... ----------------} p35-(25)-p10 2481392 Gap 4.0 bits   p10   2.1 bits
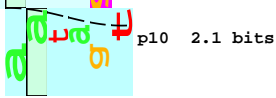
... ----------------| p35-p10 2481392 total 5.2 bits

{---} p35-(21)-p10 2481367 Gap 3.3 bits
|---| p35-p10 2481367 total 6.3 bits
{---} p35-(23)-p10 2481365 Gap 1.4 bits
|---| p35-p10 2481365 total 5.1 bits
{---} p35-(24)-p10 2481364 Gap 2.4 bits
|---| p35-p10 2481364 total 5.0 bits