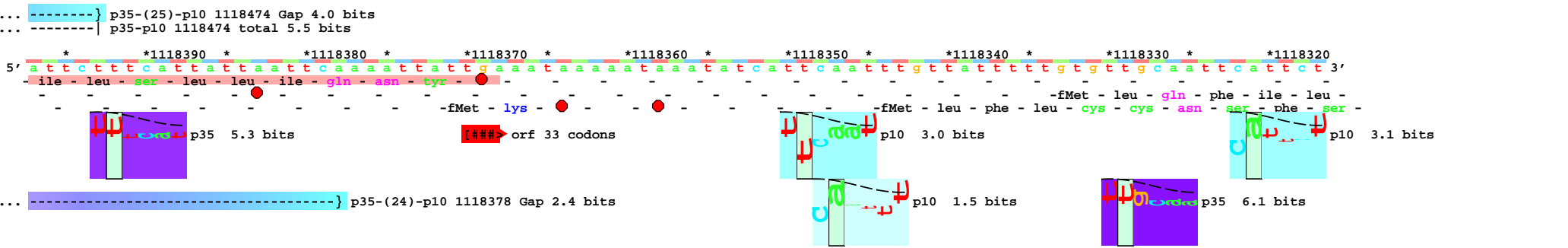piece 1, NC_000913, yceJ_yceO-, config: linear, direction: -, begin: 1118559, end: 1118250
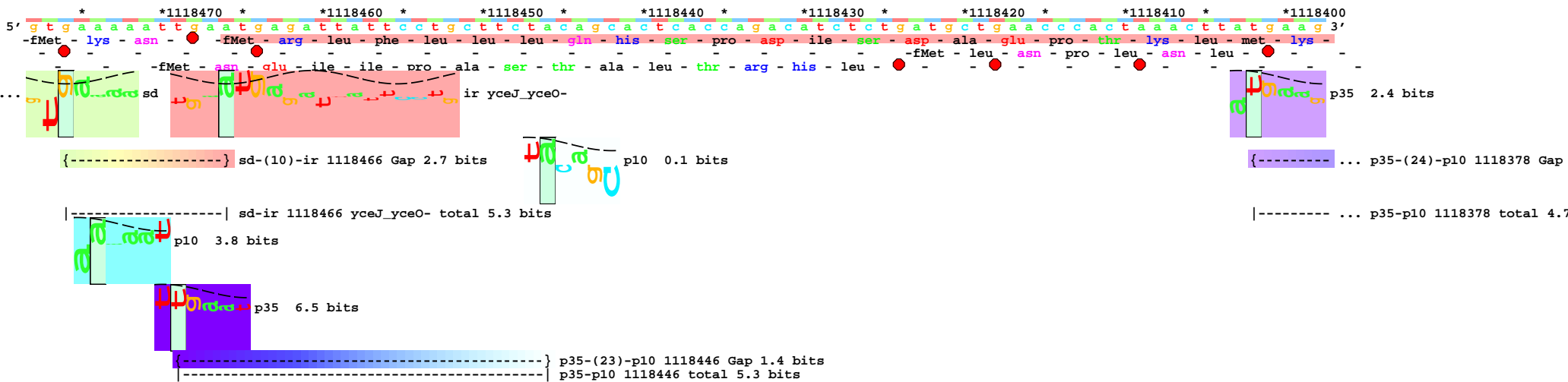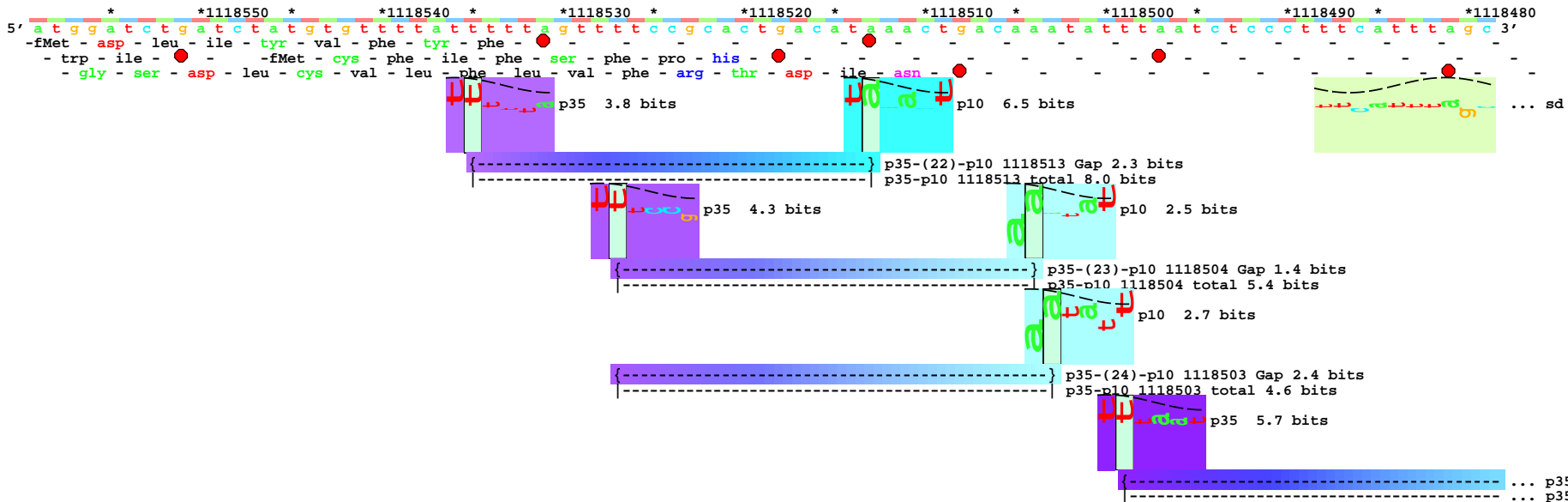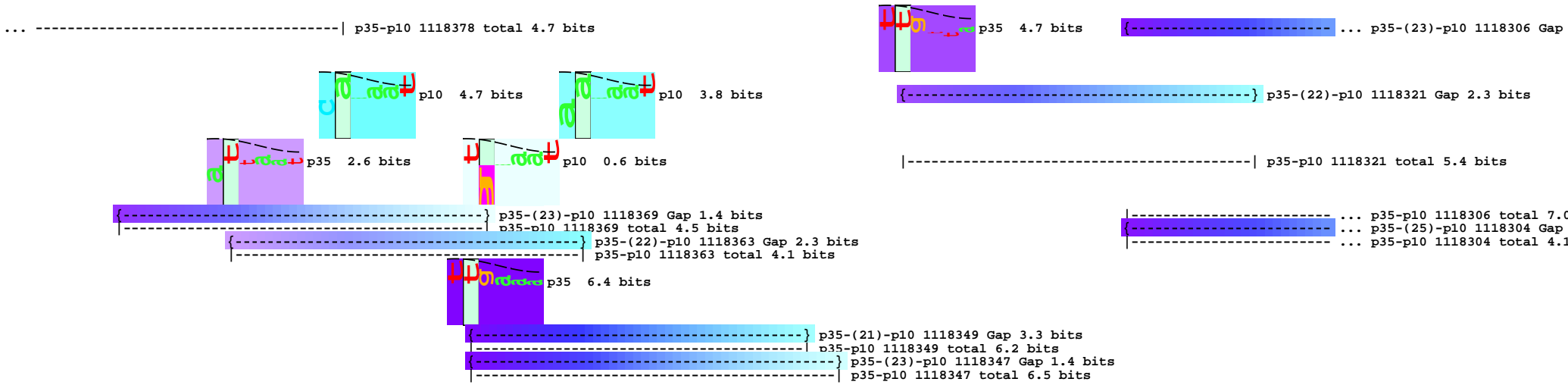
```
            *        *1118550   *        *1118540   *        *1118530   *        *1118520   *        *1118510   *        *1118500   *        *1118490   *        *1118480
5' a t g g a t c t g a t c t a t g t g t t t t a t t t t t a t g t t t t c c g c a c t g a c t a a a c t g a c a a a t a t t t a a t c t c c c t t t c a t t a g c 3'
     -fMet - asp - leu - ile - tyr - val - phe - tyr - phe -       -fMet - cys - phe - ile - phe - ser - phe - pro - his -       -       -       -       -       -       -       -       -       -       -       -
     - trp - ile -       -       -       -fMet - cys - phe - ile - phe - ser - phe - pro - his -       -       -       -       -       -       -       -       -       -       -       -
        - gly - ser - asp - leu - cys - val - leu - phe - leu - val - phe - arg - thr - asp - ile - asn -       -       -       -       -       -       -       -       -
```

p35 3.8 bits   p10 6.5 bits   ... sd

{------------------------------} p35-(22)-p10 1118513 Gap 2.3 bits
|------------------------------| p35-p10 1118513 total 8.0 bits

p35 4.3 bits   p10 2.5 bits

{------------------------------} p35-(23)-p10 1118504 Gap 1.4 bits
|------------------------------| p35-p10 1118504 total 5.4 bits

p10 2.7 bits

{------------------------------} p35-(24)-p10 1118503 Gap 2.4 bits
|------------------------------| p35-p10 1118503 total 4.6 bits

p35 5.7 bits

{------------------------------ ... p35-(25)-p10 1118474 Gap
|------------------------------ ... p35-p10 1118474 total 5.5

```
            *        *1118470   *        *1118460   *        *1118450   *        *1118440   *        *1118430   *        *1118420   *        *1118410   *        *1118400
5' g t g a a a a t t g a a t g a g a t t a t t c c t g c t t c t a c a g c a c t c a c c a g a c a t c t c t g a t g c t g a a c c c a c t a a a c t t a t g a a g 3'
     -fMet - lys - asn -       -fMet - arg - leu - phe - leu - leu - leu - gln - his - ser - pro - asp - ile - ser - asp - ala - glu - pro - thr - lys - leu - met - lys -
        -       -       -       -       -       -       -       -       -       -       -       -       -       -fMet - leu - asn - pro - leu - asn - leu -       -       -
        -fMet - asn - glu - ile - ile - pro - ala - ser - thr - ala - leu - thr - arg - his - leu -
```

... sd   ir yceJ_yceO-   p35 2.4 bits

p10 0.1 bits

{--------------} sd-(10)-ir 1118466 Gap 2.7 bits   {---------- ... p35-(24)-p10 1118378 Gap

|------------------| sd-ir 1118466 yceJ_yceO- total 5.3 bits |--------- ... p35-p10 1118378 total 4.7

p10 3.8 bits

p35 6.5 bits

{------------------------------} p35-(23)-p10 1118446 Gap 1.4 bits
|------------------------------| p35-p10 1118446 total 5.3 bits

... -------} p35-(25)-p10 1118474 Gap 4.0 bits
... -------| p35-p10 1118474 total 5.5 bits

```
            *        *1118390   *        *1118380   *        *1118370   *        *1118360   *        *1118350   *        *1118340   *        *1118330   *        *1118320
5' a t t c t t t c a t t a c a t t g a a t a a a a a t a a a t a t c a t t c a a t t g t t a t t t t t g t g t t g c a a t t c a t t c t 3'
     - ile - leu - ser - leu - leu - ile - gln - asn - tyr -       -       -       -       -       -       -       -       -       -fMet - leu - gln - phe - ile - leu -
        -       -       -       -       -       -       -       -       -       -       -       -       -       -fMet - leu - phe - leu - cys - cys - asn - ser - phe - ser -
        -       -       -       -       -       -fMet - lys -       -       -       -
```

p35 5.3 bits   [###> orf 33 codons   p10 3.0 bits   p10 3.1 bits

... ------------------------------} p35-(24)-p10 1118378 Gap 2.4 bits   p10 1.5 bits   p35 6.1 bits

... ------------------------------------| p35-p10 1118378 total 4.7 bits

p35   4.7 bits

{===========================... p35-(23)-p10 1118306 Gap

p10   4.7 bits

p10   3.8 bits

{===} p35-(22)-p10 1118321 Gap 2.3 bits

p35   2.6 bits

p10   0.6 bits

|--| p35-p10 1118321 total 5.4 bits

{--} p35-(23)-p10 1118369 Gap 1.4 bits
|--| p35-p10 1118369 total 4.5 bits

|----------------------------- ... p35-p10 1118306 total 7.0

{=====================================} p35-(22)-p10 1118363 Gap 2.3 bits
|-------------------------------------| p35-p10 1118363 total 4.1 bits

{========================... p35-(25)-p10 1118304 Gap
|------------------------- ... p35-p10 1118304 total 4.1

p35   6.4 bits

{--------------------------------------} p35-(21)-p10 1118349 Gap 3.3 bits
|--------------------------------------| p35-p10 1118349 total 6.2 bits
{=====================================} p35-(23)-p10 1118347 Gap 1.4 bits
|-------------------------------------| p35-p10 1118347 total 6.5 bits

```
       *       *1118310  *        *1118300  *        *1118290  *        *1118280  *        *1118270  *        *1118260  *        *1118250
5'  c c g a c a c g c c a t t t c t t t c t c t c g c a a a t t c g t t t t g g a t g c a c t t a t g t c a t t c a c a a a t a c c c c 3'
    -   -   -   -   -   -   -   -   -   -   -   -   -   -fMet - his - leu - cys - his - ser - gln - ile - pro -
    - arg - his - ala - ile - phe - phe - leu - ser - gln - ile - arg - phe - gly - cys - thr - tyr - val - ile - his - lys - tyr - pro -
    - asp - thr - pro - phe - ser - phe - ser - arg - lys - phe - val - leu - asp - ala - leu - met - ser - phe - thr - asn - thr -
```

p10   2.3 bits

sd

[--------------------------------------- ... NC_000913.yceJ

p10   2.1 bits

ir yceJ_yceO-

... {====================} p35-(23)-p10 1118306 Gap 1.4 bits

{=================} sd-(9)-ir 1118269 Gap 2.3 bits
|-----------------| sd-ir 1118269 yceJ_yceO- total 6.2 bits

... |--------------------| p35-p10 1118306 total 7.0 bits
... {====================} p35-(25)-p10 1118304 Gap 4.0 bits
... |--------------------| p35-p10 1118304 total 4.1 bits