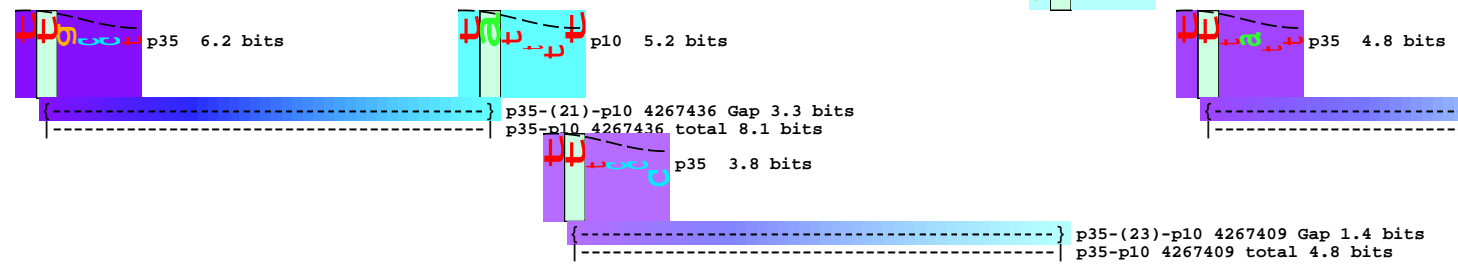


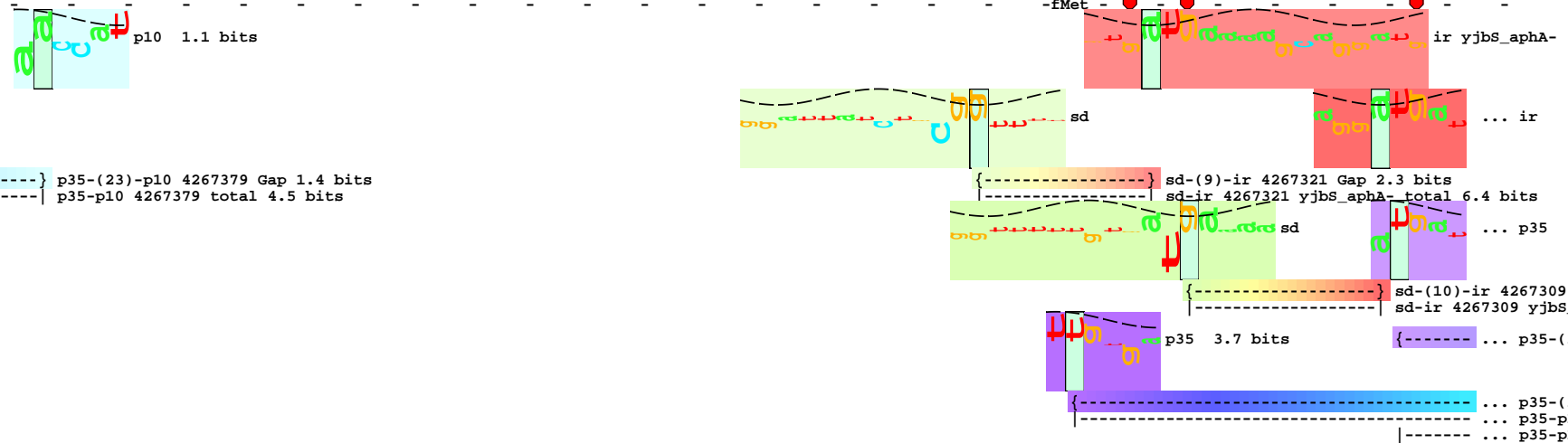
piece 1, NC\_000913, yjbs\_aphA-, config: linear, direction: -, begin: 4267466, end: 4267016

```
* *4267460 * *4267450 * *4267440 * *4267430 * *4267420 * *4267410 * *4267400 * *4267390 *
5' g g c a c t g a t t g c c t g t g a t c t t g c g c a t a t t t t t c c c t a a a t a g t c a g t a t g t t g a a a c t t t t t a t t g t g a g a t t g t t 3'
- gly - thr - asp - cys - leu - cys - asp - leu - ala - his - ile - phe - pro - -fMet - leu - lys - leu - phe - ile - val - arg - phe - val -
- ala - leu - ile - ala - cys - val - ile - leu - arg - ile - phe - phe - pro - lys - - - -fMet - - -fMet - leu -
- his - -fMet - pro - val - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```

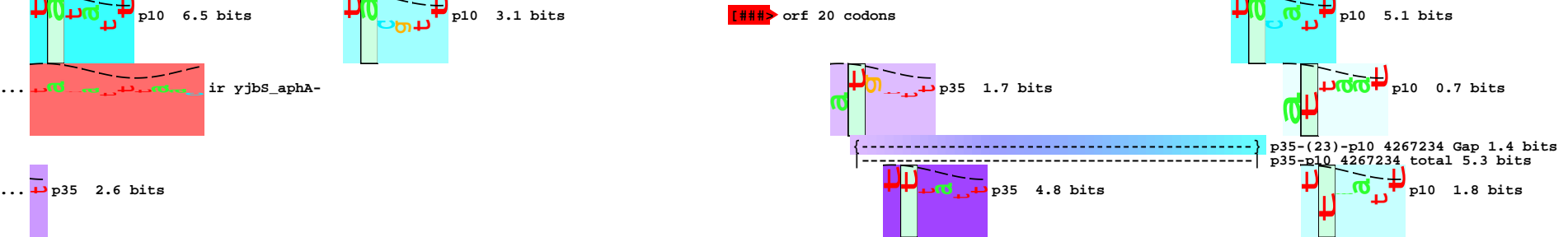
NC\_000913.aphA



```
* *4267380 * *4267370 * *4267360 * *4267350 * *4267340 * *4267330 * *4267320 * *4267310 *
5' g c a a a a a c c a t c t g a c c a t a a c g c c a g c t g c g g g a a a g g a a g g a t t a t c t g c g g t t t t t g t g a t g a a a a g c a g g a t g a t 3'
- ala - lys - thr - ile - - asp - his - asn - ala - ser - cys - arg - gly - lys - glu - gly - leu - ser - ala - val - phe - val - met - lys - ser - arg - met - ile -
- gln - lys - pro - ser - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
```



```
* *4267300 * *4267290 * *4267280 * *4267270 * *4267260 * *4267250 * *4267240 * *4267230 *
5' t a t a t t t t a a c c c a g t a a a t a c g t t c c t t g t t t t t t t g t a t a a a a a a a t g t t a t t a c t c g a t g t a a g g a t a c a t t a t t t t 3'
- ile - phe - - - - pro - val - - - - thr - phe - leu - ser - phe - phe - val - -fMet - phe - ile - thr - arg - cys - lys - asp - thr - leu - ile - leu -
- - - - -fMet - tyr - lys - lys - cys - leu - leu - leu - asp - val - arg - ile - his -
```



... p35-(23)-p10 4267285 Gap 1.4 bits  
 ... p35-(22)-p10 4267303 Gap 2.3 bits  
 ... --| p35-p10 4267303 total 7.9 bits

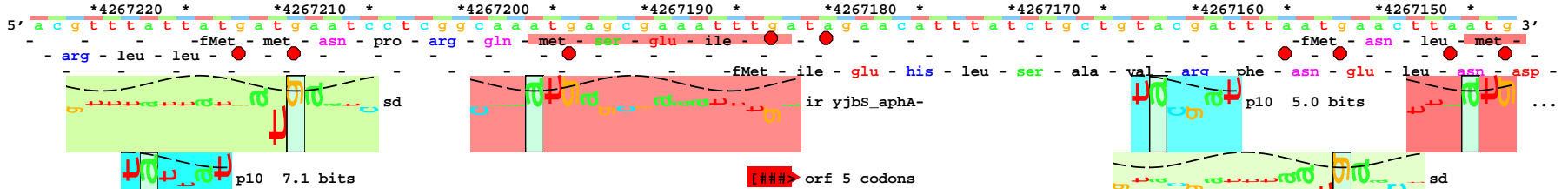
... -----| p35-p10 4267285 total 4.3 bits

p35-(23)-p10 4267231 Gap 1.4 bits  
 p35-p10 4267231 total 4.1 bits  
 p35-(24)-p10 4267230 Gap 2.4 bits  
 p35-p10 4267230 total 4.2 bits

p35-(25)-p10 4267229 Gap 4.0 bits  
 p35-p10 4267229 total 5.2 bits  
 ... p35-(26)-p10 4267217 Gap  
 ... p35-p10 4267217 total 5.8

p35 0.4 bits

... p35-(24)-p10 4267214 Gap  
 ... p35-p10 4267214 total 4.4



sd-(13)-ir 4267196 Gap 4.6 bits  
 sd-ir 4267196 yjbs\_aphA- total 6.0 bits

sd-(7)-ir 4267145 Gap 3.7 bits  
 sd-ir 4267145 yjbs\_aphA- total 6.1

p10 6.4 bits

p35 5.6 bits

p35-(22)-p10 4267162 Gap 2.3 bits  
 p35-p10 4267162 total 8.3 bits

... p35-(26)-p10 4267217 Gap 3.7 bits  
 ... p35-p10 4267217 total 5.8 bits

... p35-(24)-p10 4267214 Gap 2.4 bits  
 ... p35-p10 4267214 total 4.4 bits



p35 3.5 bits

... p35-(22)-p10 4267040 Gap

p35-(25)-p10 4267077 Gap 4.0 bits  
 p35-p10 4267077 total 6.4 bits  
 | ... p35-p10 4267040 total 4.8

