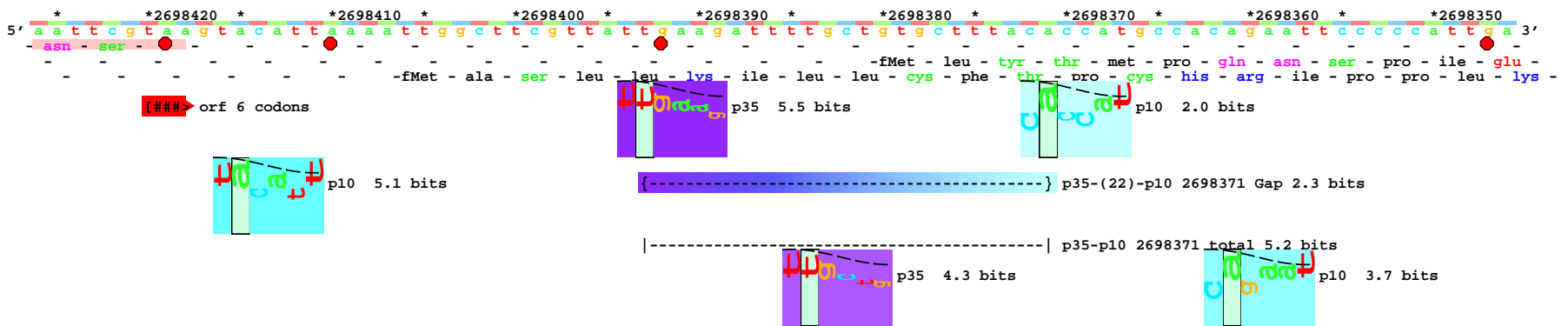
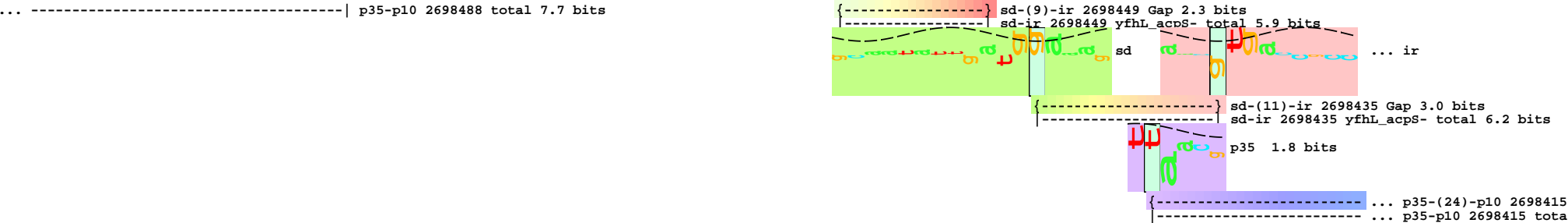
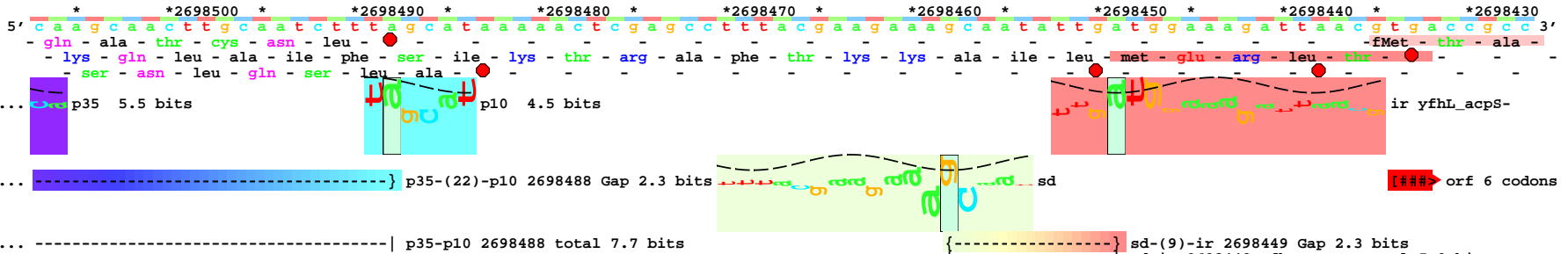
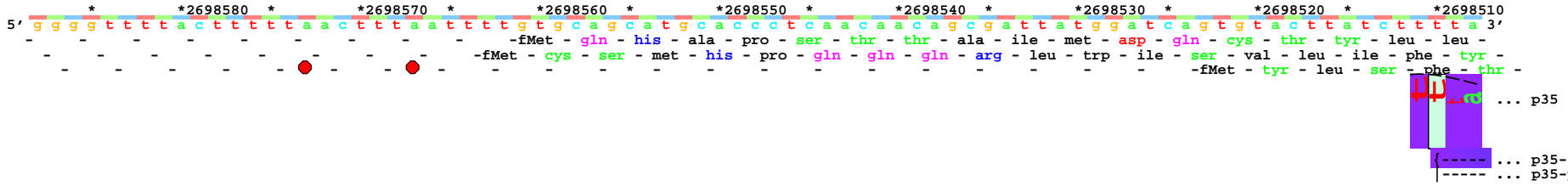
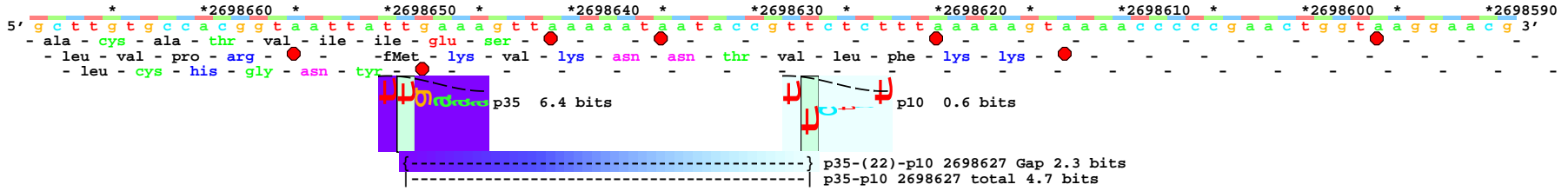


piece 1, NC_000913, yfhL_acpS-, config: linear, direction: -, begin: 2698669, end: 2697926



... ir yfhL_acpS- p35-(23)-p10 2698361 Gap 1.4 bits

- 2 -

-----| p35-p10 2698361 total 6.6 bits

... p35-(24)-p10 2698415 Gap 2.4 bits
... -----| p35-p10 2698415 total 4.4 bits

```
*2698340 *      *2698330 *      *2698320 *      *2698310 *      *2698300 *      *2698290 *      *2698280 *      *2698270 *
5' a a c g a g t g g t g t c g t c a a a g c t c t g g t g t g g a g t g c a g c a t g c a c c c t c a a t a a c t c g c a c g t t c a g t t t t g g g a g a t g t 3'
   -fMet - glu - cys - ser - met - his - pro - gln - - -fMet - gly - arg - cys -
   - thr - ser - gly - val - val - lys - ala - leu - val - trp - ser - ala - ala - cys - thr - leu - asn - asn - ser - his - val - gln - phe - trp - gly - asp - val -
   - arg - val - val - ser - ser - lys - leu - trp - cys - gly - val - gln - his - ala - pro - ser - ile - thr - arg - thr - phe - ser - phe - gly - glu - met -
```

sd
[###] orf 5 codons
sd-(9)-ir 2698306 Gap 2.3 bits
sd-ir 2698306 yfhL_acpS- total 7.2 bits

```
*2698260 *      *2698250 *      *2698240 *      *2698230 *      *2698220 *      *2698210 *      *2698200 *      *2698190 *
5' a a g g g c t a a t c t g a a t g g c t g c a t t c c t t g t t a a g g a a a a c g a a t g a c t g a t t g c c g a t a c c t g a t t a a a c g g g t c a t c 3'
   - lys - gly - - -fMet - phe - lys - glu - lys - arg - met - thr - asp - cys - arg - tyr - leu - ile - lys - arg - val - ile -
   - arg - ala - asn - leu - asn - gly - cys - ile - pro - cys - leu - arg - lys - asn - glu - - -fMet - pro - ile - pro - asp -
```

sd
sd-(10)-ir 2698250 Gap 2.7 bits [###] orf 7 codons
sd-ir 2698250 yfhL_acpS- total 5.2 bits
sd-(9)-ir 2698219 Gap 2.3 bits
sd
sd-ir 2698219 yfhL_acpS- total 11.2 bits

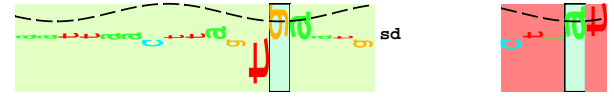
```
*2698180 *      *2698170 *      *2698160 *      *2698150 *      *2698140 *      *2698130 *      *2698120 *      *2698110 *
5' a a a a t c a t c a t t g c t g t t t t a c a g c t g a t c c t t c t g t t c t t a t a a c a c a a g g a a a c g t a c t t a a g g t g c g t c c g g t g a a c c 3'
   - lys - ile - ile - ile - ala - val - leu - gln - leu - ile - leu - leu - phe - leu - - -fMet - arg - pro - val - asn - gln -
   -fMet - leu - phe - tyr - ser -
```

p35 5.5 bits [###] orf 27 codons
sd
sd-(14)-ir 2698118 Gap 4.9 bits
sd-ir 2698118 yfhL_acpS- total 5.3 bits
p10 4.1 bits

-----| p35-(23)-p10 2698142 Gap 1.4 bits
-----| p35-p10 2698142 total 8.2 bits

```
*2698100 *      *2698090 *      *2698080 *      *2698070 *      *2698060 *      *2698050 *      *2698040 *      *2698030 *
5' a g t c g g a c g c a c c t t t a a t a a c t a t a a a t a a g t g t c t g g g c a g a t a c t a t a t a a a t t a a c t t a g t g a a t g a t t a t g c t a a t 3'
   - ser - asp - ala - pro - leu - ile - thr - ile - asn - lys - cys - leu - gly - arg - tyr - tyr - ile - asn - - -fMet - asn - asp - tyr - ala - asn -
   -fMet - ile - met - leu - met -
```

p35 1.4 bits [###] orf 25 codons ... ir



p10 5.6 bits {-----} sd-(8)-ir 2698029 Gap 2.4 bits

{-----} p35-(22)-p10 2698057 Gap 2.3 bits {-----} sd-ir 2698029 yfhL_acpS- total 7.2 bits

-----| p35-p10 2698057 total 4.7 bits {-----} sd-(10)-ir 2698023 Gap 2.7 bits

p35 1.4 bits |-----| sd-ir 2698023 yfhL_acpS- total 7

p35 2.8 bits p10 5.3 bits

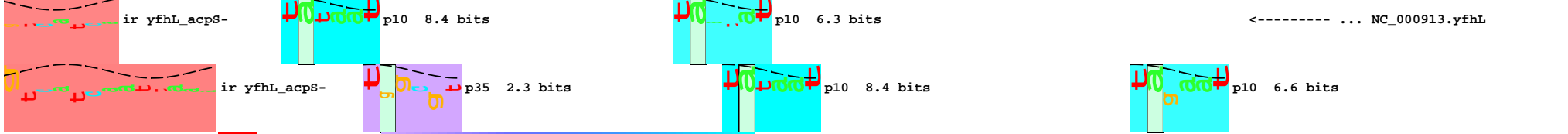
{-----} p35-(23)-p10 2698029 Gap 1.4 bits
p35-p10 2698029 total 5.3 bits

{-----} p35-(22)-p10 2698024 Gap 2.3 bits
p35-p10 2698024 total 4.2 bits

p35 2.1 bits

{-----} ... p35-(25)-p10 2698003 Gap
p35-p10 2698003 total 6.5

5' *2698020 * *2698010 * *2698000 * *2697990 * *2697980 * *2697970 * *2697960 * *2697950 *
g t c a t c a a t t a a a t a a a t a a a t g g c g t t a a g g c t t c c c a g t a a t a t a a t t a a t c t c t c a c t t c c a g a g t a g a a t a t t a a a 3'
- val - ile - asn - - - fMet - ala - leu - arg - leu - pro - ser - asn - ile - ile - asn - thr - leu - leu - pro - glu - - -
- ser - ser - ile - lys -



###> orf_8 codons {-----} p35-(22)-p10 2697976 Gap 2.3 bits
p35 1.6 bits p35 2.6 bits

p10 3.8 bits {-----} p35-(24)-p10 2697979 Gap 2.4 bits

-----| p35-p10 2697979 total 5.4 bits
p35-p10 2697976 total 8.3 bits

{-----} p35-(21)-p10 2697951 Gap 3.3 bits
p35-p10 2697951 total 5.8 bits

{-----} p35-(25)-p10 2698003 Gap 4.0 bits
p35-p10 2698003 total 6.5 bits

5' *2697940 * *2697930 *
t t t t a t c c g c g t g g t 3'
- - - - - - - - - fMet -

... - - - - - ... NC_000913.yfhL