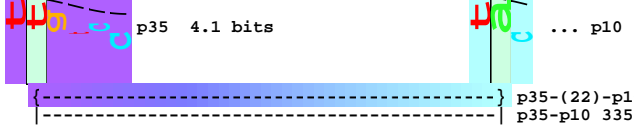


piece 1, NC_000913, yhcC_gltB-, config: linear, direction: -, begin: 3352683, end: 3352053

5' ^{*3352680 *} a a g a g c g t g g c g a c g g g t t t g c g t g t c a t a c g c g c g c c c t t g t t g t c c t t t t c g c a t c g g t a a t a c 3'
 - lys - ser - val - ala - thr - gly - phe - ala - cys - his - thr - arg - ala - ser - his - ser - pro - pro - cys - cys - pro - phe - arg - ile - gly - ● - -
 - arg - ala - trp - arg - arg - gly - leu - arg - val - ile - arg - ala - pro - arg - ile - arg - pro - leu - val - val - leu - phe - phe - ala - ser - val - asn - thr -
 - glu - arg - gly - asp - gly - val - cys - val - ser - tyr - ala - arg - leu - ala - phe - ala - pro - leu - leu - ser - phe - ser - his - arg - leu - ile - arg -

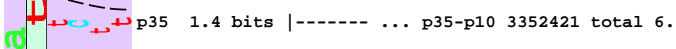
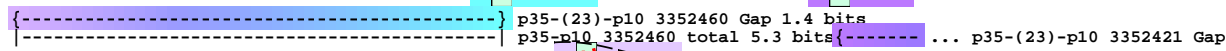
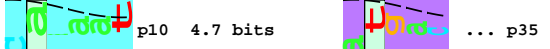
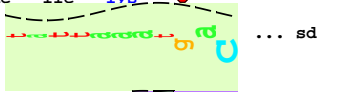
...-----] NC_000913.gltB



5' ^{*3352600 *} g g t g a a g a g g g g a t c t c a a t t a c t g c a t a a a t a t g a t g a g c a g g c t g c t c a t c c a g a a a g c t t c c a g c g g g a t t t c c a a c t t 3'
 - val - lys - arg - gly - ser - gln - leu - leu - his - lys - tyr - asp - glu - gln - ala - ala - his - pro - glu - ser - phe - gln - arg - ile - ser - asn - leu -
 - fMet - met - ser - arg - leu - leu - ile - gln - lys - ala - ser - ser - gly - phe - pro - thr - tyr -

... p10 2.5 bits

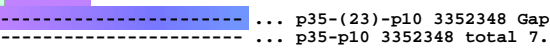
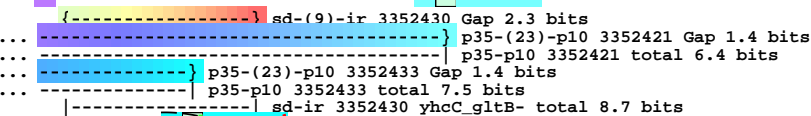
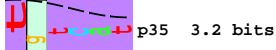
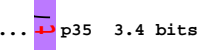
5' ^{*3352520 *} a t c g g g a a a g c t g a t a c a g g t c a a a t g g c a a g c t t a t t g g t a c a g a a a t g t g c t t a g c g c a a a a t t c t t t a t a a a t g a c 3'
 - ser - gly - lys - leu - ile - gln - val - lys - trp - gln - ala - tyr - trp - tyr - arg - asn - val - leu - ● - - fMet - thr -
 - arg - glu - ser - ● - - fMet - cys - phe - ser - ala - lys - phe - phe - ile - lys - ● - -



5' ^{*3352440 *} t g a a a t t a a a a t g g a t t t a t c t t t a a a g g c t a a a a g g g a a g t c g t t a g a g a a a c a g t c a a a t t c c t g a c t g t c a t a a a g g t g 3'
 - glu - ile - lys - met - asp - phe - ile - phe - lys - ala - lys - arg - glu - val - val - arg - glu - thr - val - ● - - fMet -
 - fMet - ● - -

... sct ir yhcC_gltB-

[###> orf 19 codons



... p35-(23)-p10 3352433 Gap 1.4 bits

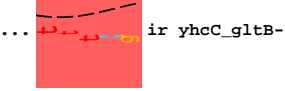
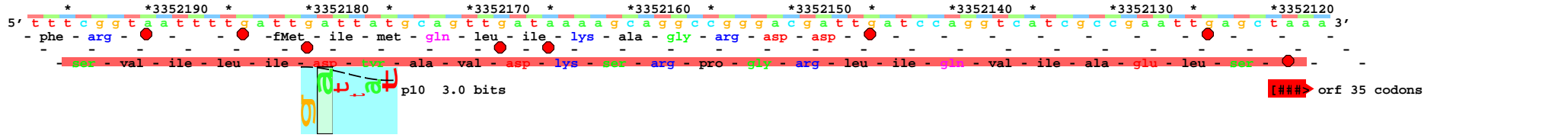
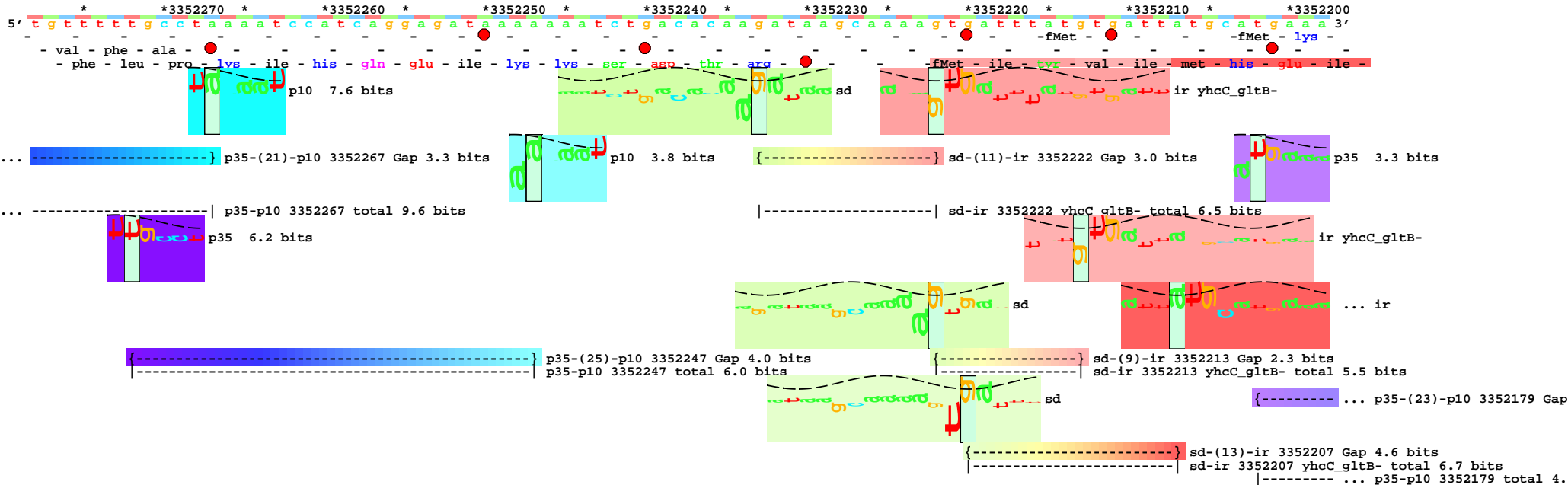
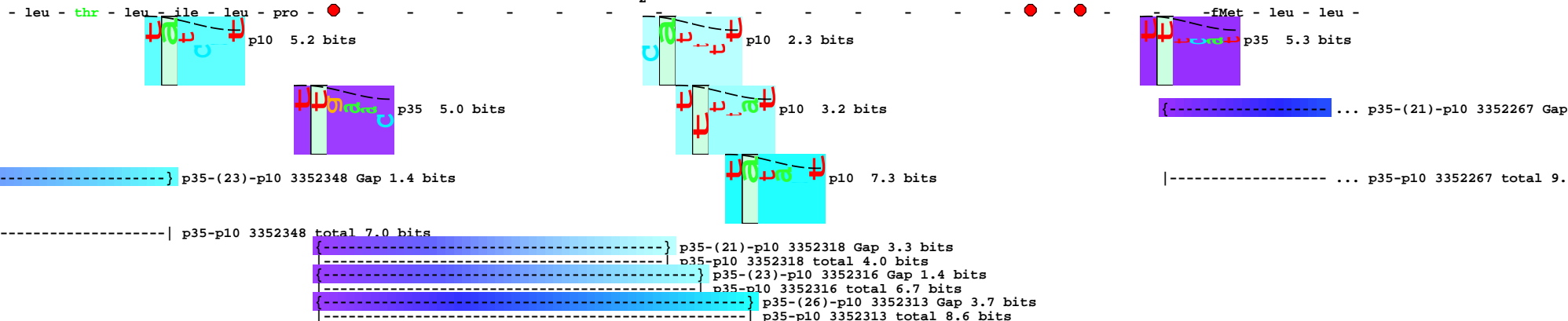
... p35-p10 3352433 total 7.5 bits

... sd-ir 3352430 yhcC_gltB- total 8.7 bits



5' ^{*3352350 *} t g t t a a c c c t t a t c c t g c c t t g a a c t g a c g a c a a a a c c a g c a t t t a t a t a c t g c c t t a a t t g g t a a t g a c g t t t c a t g c t a c 3'
 - cys - ● - - fMet - ● - - fMet - val - met - thr - phe - his - ala - thr -

- 2 -

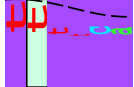


orf 35 codons

... -----} p35-(23)-p10 3352179 Gap 1.4 bits

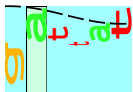
... -----| p35-p10 3352179 total 4.9 bits

* * * * *
 5' a a t g g c a g g c t t t g g c c t c t t t t c a a g g c g c g g t c t a t c a g a t t a t g c a g t t a c a g a a a t t a g t 3'
 -fMet - ala - gly - phe - gly - leu - phe - ser - arg - arg - gly - leu - ser - asp - tyr - ala - val - thr - glu - ile - ser -
 - - - -fMet - ala - ser - phe - gln - gly - ala - val - tyr - gln - ile - met - gln - leu - gln - lys - leu -



p35 4.6 bits

[----- ... NC_000913.yhcC



p10 3.0 bits

{-----} p35-(21)-p10 3352075 Gap 3.3 bits
 |-----| p35-p10 3352075 total 4.4 bits