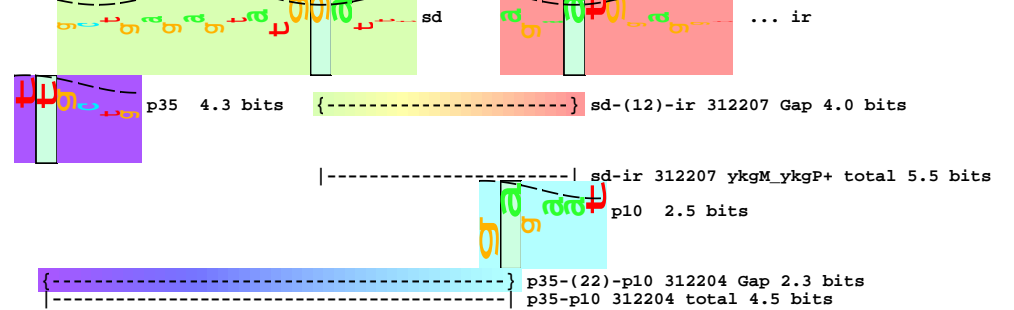


piece 1, NC_000913, ykgM_ykgP+, config: linear, direction: +, begin: 311972, end: 312959

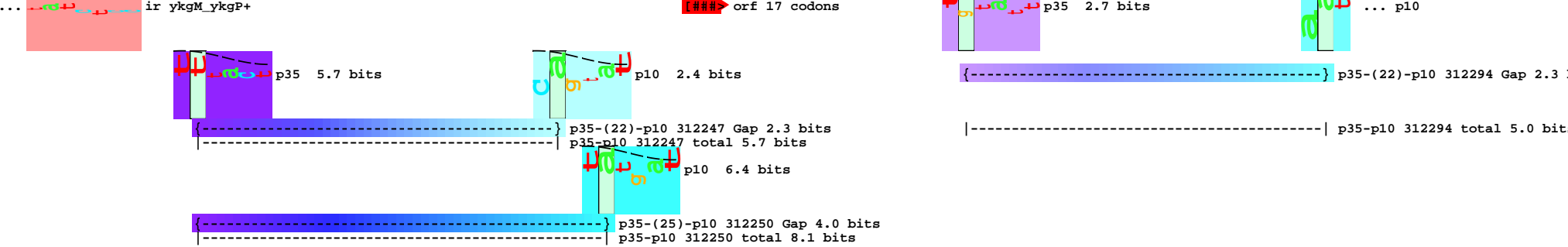
5' ^{*} ^{*}311980 ^{*} ^{*}311990 ^{*} ^{*}312000 ^{*} ^{*}312010 ^{*} ^{*}312020 ^{*} ^{*}312030 ^{*} ^{*}312040 ^{*} ^{*}312050
 - thr - ile - leu - arg - met - asp - ile - gly - leu - his - his - phe - tyr - leu - leu - cys - tyr - asn - ile - thr - ile - lys - ile - his - ala - his - pro -
 - arg - tyr - ser - gly - trp - ile - leu - gly - phe - ile - ile - phe - thr - cys - tyr - val - ile - thr - - - - -fMet - leu - ile - arg -
 - asp - thr - gln - asp - gly - tyr - trp - ala - ser - ser - phe - leu - pro - val - met - leu - - - - -

5' ^{*} ^{*}312060 ^{*} ^{*}312070 ^{*} ^{*}312080 ^{*} ^{*}312090 ^{*} ^{*}312100 ^{*} ^{*}312110 ^{*} ^{*}312120 ^{*} ^{*}312130
 - asp - his - phe - asn - thr - gln - ser - leu - - - -fMet - asp - val - glu - phe - ser - gln - arg - gly - thr - leu - ala - leu - leu - ala - ala -
 - ile - ile - ser - thr - leu - asn - pro - cys - asp - ser - leu - trp - met - trp - asn - gly - glu - leu - trp - his - cys - - - - -
 - - - - -fMet - thr - leu - cys - gly - cys - gly - ile - phe - ala - thr - gly - asn - ser - gly - ile - val - ser - ser - his -

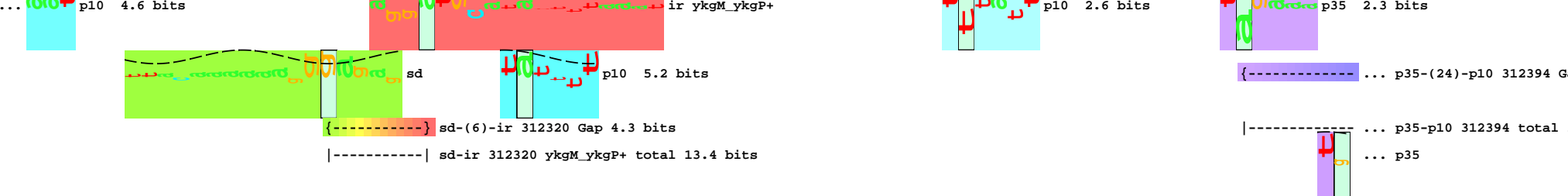
5' ^{*} ^{*}312140 ^{*} ^{*}312150 ^{*} ^{*}312160 ^{*} ^{*}312170 ^{*} ^{*}312180 ^{*} ^{*}312190 ^{*} ^{*}312200 ^{*} ^{*}312210
 - ile - gly - asp - ala - pro - ile - asn - ala - trp - met - ser - asp - - - -fMet - ile - asp - asp - gly - phe - ala - glu - ser - met - asp - phe - ser - arg - met - glu - val -
 -fMet - val - thr - leu - pro - - - - -fMet - met - met - val - leu - leu - arg - val - trp - ile - phe - arg - glu - trp - arg - leu -

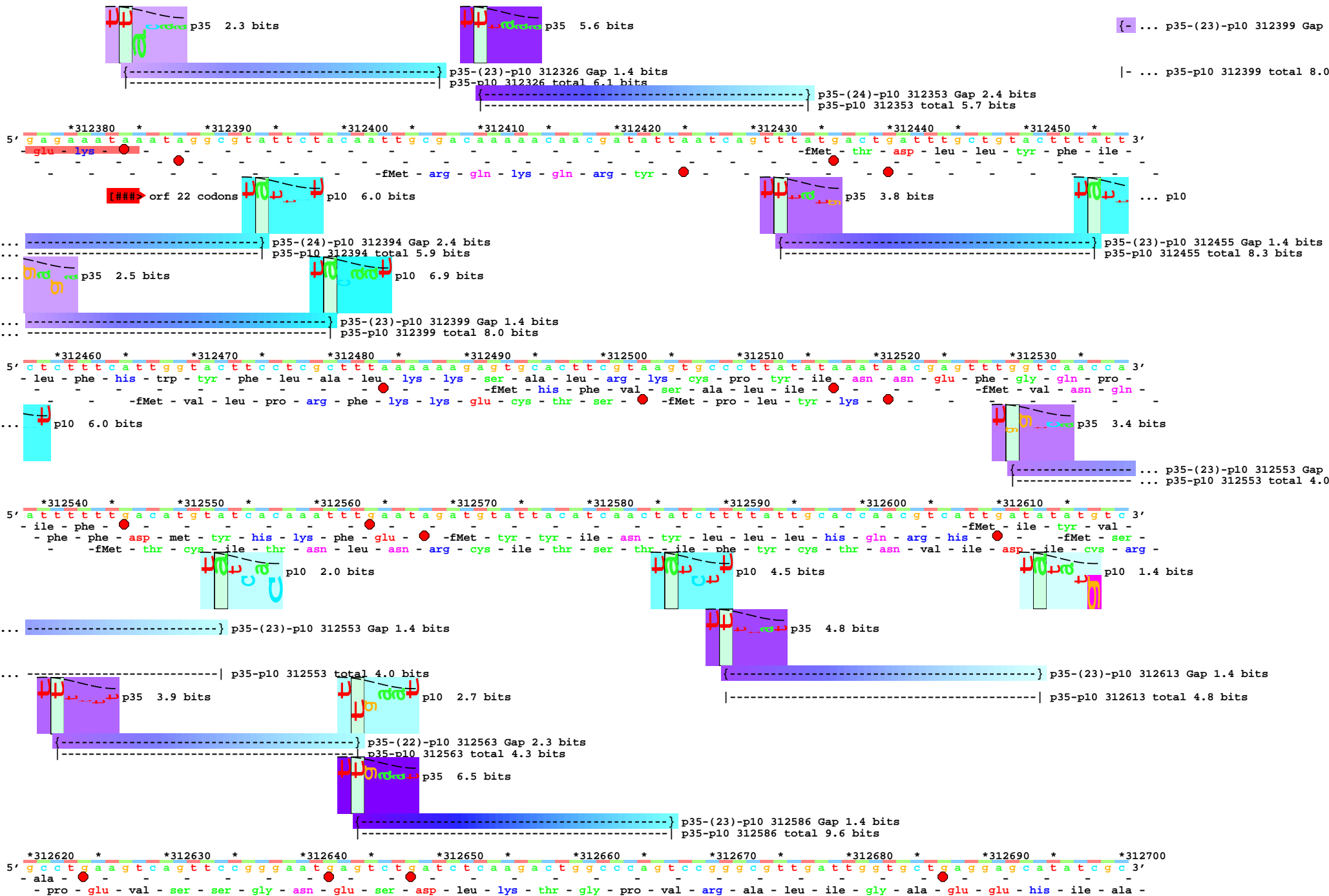


5' ^{*} ^{*}312220 ^{*} ^{*}312230 ^{*} ^{*}312240 ^{*} ^{*}312250 ^{*} ^{*}312260 ^{*} ^{*}312270 ^{*} ^{*}312280 ^{*} ^{*}312290
 - ile - ser - thr - leu - leu - ala - asp - asn - leu - ser - gln - tyr - asp - - - -fMet - tyr - ser - ser - pro - thr - asp - ile - ile -
 - ser - pro - leu - tyr - trp - pro - ile - ile - tyr - arg - ser - met - ile - asp - tyr - leu - thr - ala - cys - ile - pro - leu - pro - arg - ile - - - -



5' ^{*} ^{*}312300 ^{*} ^{*}312310 ^{*} ^{*}312320 ^{*} ^{*}312330 ^{*} ^{*}312340 ^{*} ^{*}312350 ^{*} ^{*}312360 ^{*} ^{*}312370
 - ile - thr - tyr - lys - lys - gly - arg - gly - cys - ile - phe - - - -fMet - his - ile - leu - - - - ile - thr - glu - val - - - - ser - leu - phe - pro - leu - leu - ile - glu - met -
 - - - - -



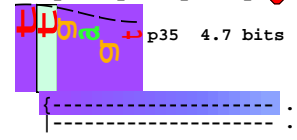


leu - lys - ser - val - pro - gly - met - ser - leu - ile - ser - arg - leu - ala - gln - ser - gly - arg - fMet - val - leu - arg - ser - ile - ser - his -

5' a t c t c a t c a t a a t g t c g t a t c t c c t g g g g t g t t a t a c a a g a t a t c g t t g t t g g t g a c c t g g g a g a g g a a t t g a g t t c t a t t 3'

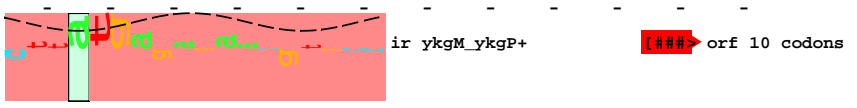
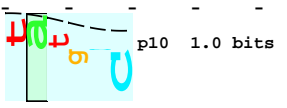
ser - his - his - asn - val - val - ser - pro - gly - val - leu - tyr - lys - ile - ser - leu - leu - val - thr - trp - glu - arg - asn - fMet - ser - ser - ile -

leu - ile - ile - met - ser - tyr - leu - leu - gly - cys - tyr - thr - arg - tyr - arg - cys - trp -

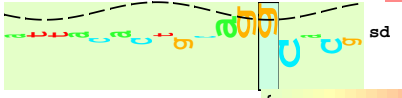


lys - pro - ser - thr - met - pro - asp - thr - tyr - trp - ile - thr - leu - gln - ala - arg - leu - met - arg - glu - arg - ala - ala - val - thr - gly - fMet - pro - gln -

5' a a a c c g t c a a c t a t g c c g g a t a c a t a c t g g a t t a c a c t g c a g g c a c g c c t t a t g a g a g a a c g t g c c g c a g t g a c g g g t t a a 3'



p35-(23)-p10 312794 Gap 1.4 bits

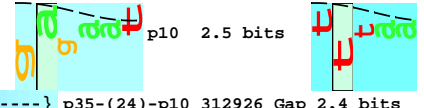
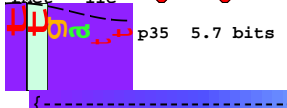


p35-p10 312794 total 4.3 bits

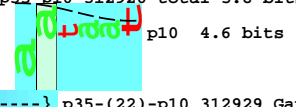
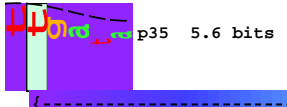
sd-(9)-ir 312833 Gap 2.3 bits
sd-ir 312833 ykgM_ykgP+ total 7.0 bits

asp - leu - tyr - arg - leu - leu - ile - asp - leu - ile - val - leu - leu - ser - gly - glu - fMet - arg - leu - tyr - arg - leu - leu - ile - fMet - ile -

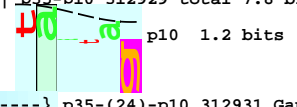
5' t t a t c t g a a a g a a t t t g t g a g g c t g t a t c g g t t a c t a t t g a t a g t t t t a c t c t c g g g a g a a t a a t a g a t a t t t a 3'



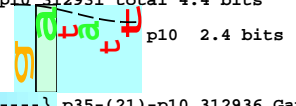
p35-(24)-p10 312926 Gap 2.4 bits
p35-p10 312926 total 5.8 bits



p35-(22)-p10 312929 Gap 2.3 bits
p35-p10 312929 total 7.8 bits



p35-(24)-p10 312931 Gap 2.4 bits
p35-p10 312931 total 4.4 bits



p35-(21)-p10 312936 Gap 3.3 bits
p35-p10 312936 total 4.8 bits

p35-(25)-p10 312940 Gap 4.0 bits
p35-p10 312940 total 6.1 bits

5' t c c a t t a a c g g a a a c c 3'

