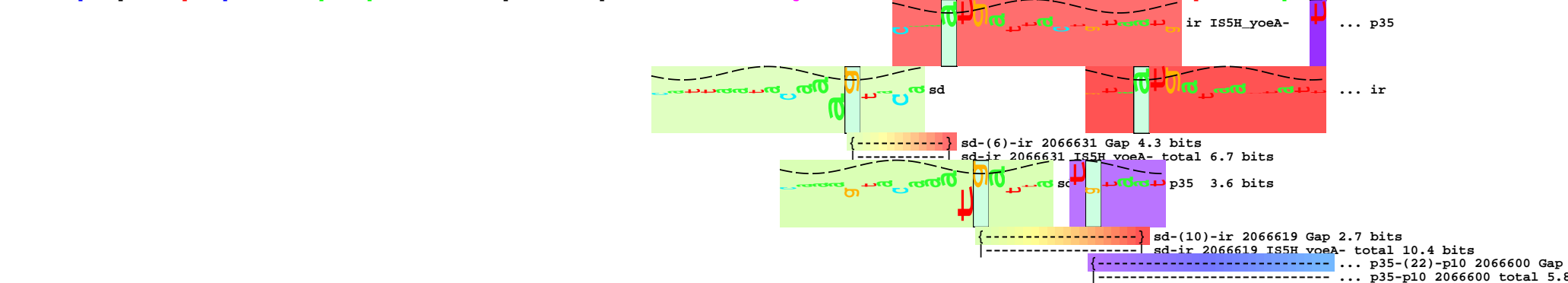
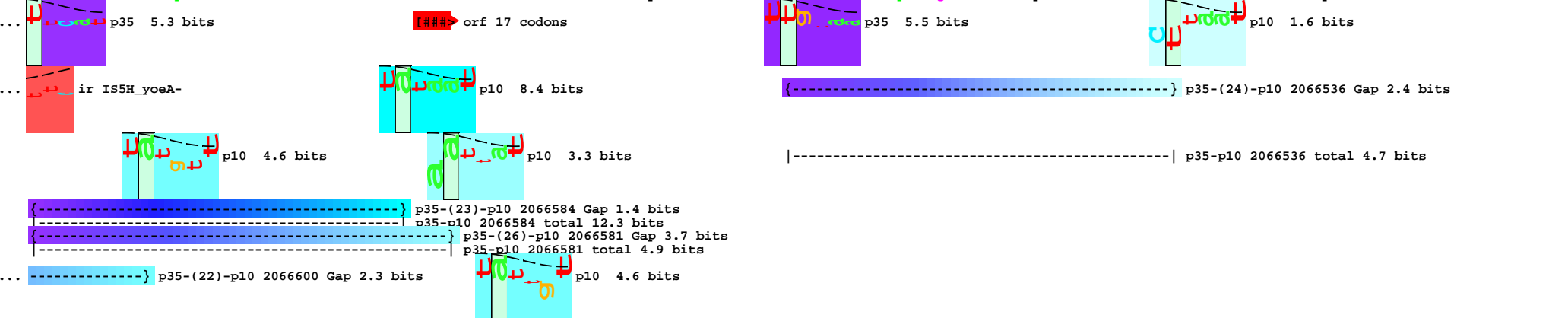


piece 1, NC_000913, IS5H_yoeA-, config: linear, direction: -, begin: 2066688, end: 2065358

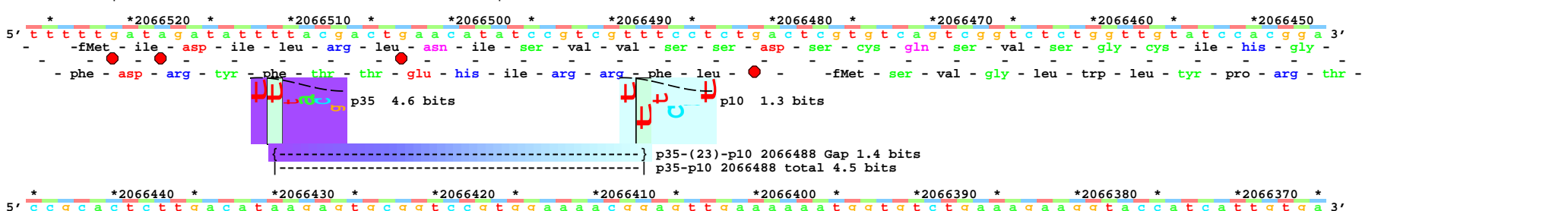
5' *a t a a a t t g a c a a g g t a t a t t a t a a c a t t t c a t c c c t c a t t a a t a c a a a g t a c a a a t g a t t a c t g t a a t g a t a a t t a t t 3'*
 - ile - asn - ser - thr - arg - tyr - ile - ile - - -fMet - ile - thr - val - met - ile - ile - ile -
 - lys - phe - asp - lys - val - tyr - tyr - ile - thr - phe - his - pro - ser - leu - ile - gln - ser - thr - asn - asp - tyr - cys - asn - asp - asn - tyr - phe -



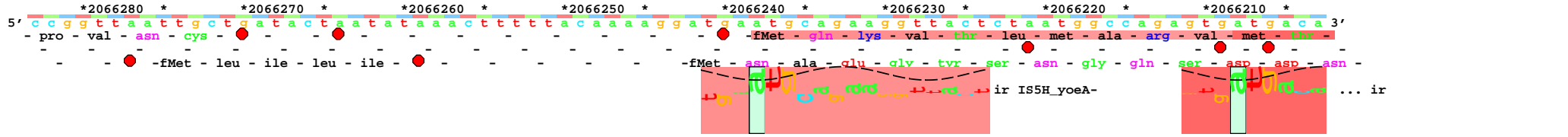
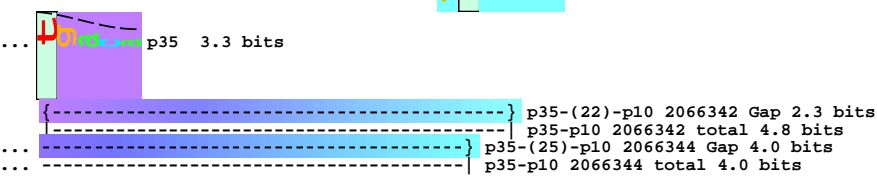
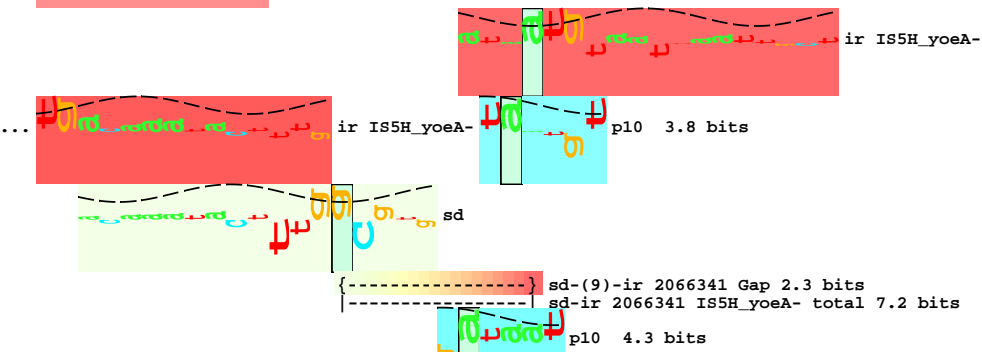
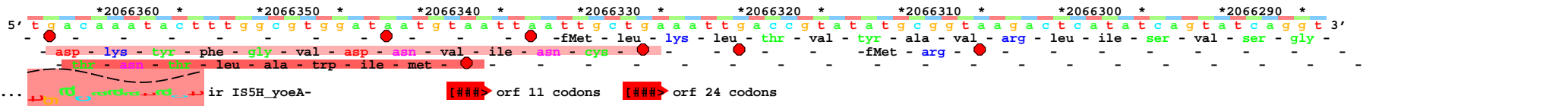
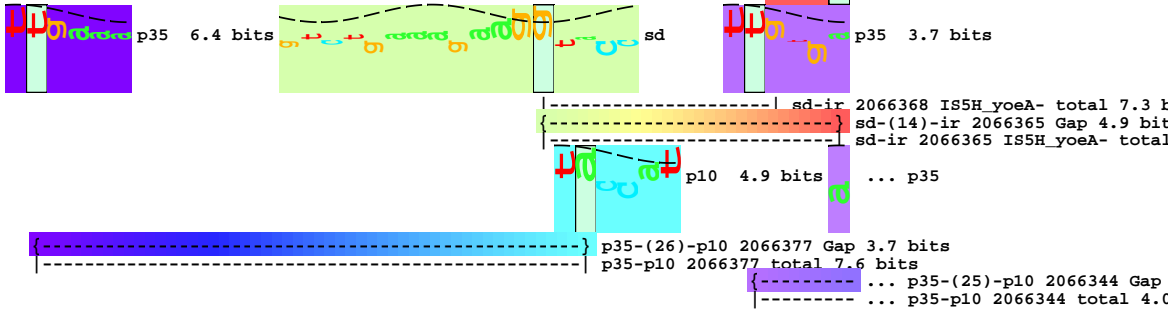
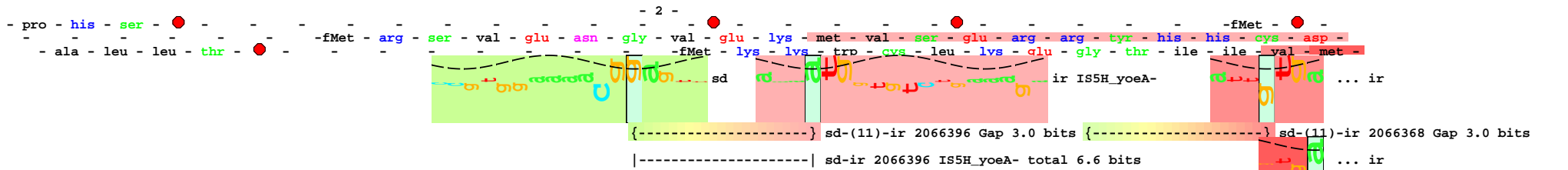
5' *t t c a t t t a t g t t c t c a t a t a t c t a a a t t a t t g t c a t c t t c a t a a a t t g t a a a t a t c a a a c a t t t t t g a c c t t a a t c a t g t 3'*
 - phe - ile - tyr - val - leu - ile - tyr - leu - - -fMet - ser - ser - ser - -
 - - -fMet - phe - ser - tyr - ile - tyr - asn - tyr - cys - his - leu - his - lys - leu - -
 - his - leu - cys - ser - his - ile - ser - ile - ile - ile - val - ile - phe - ile - asn - cys - lys - tyr - gln - thr - phe - leu - thr - leu - ile - met - phe -



5' *t t t t t g a t a g a t a t t t t a c g a c t g a a c a t a t c c g t t c c t c t g a c t c g t g t c a g t c g g t t c t g g t t g t a t c c a c g g a 3'*
 -fMet - ile - asp - ile - leu - arg - leu - asn - ile - ser - val - val - ser - ser - asp - ser - cys - gln - ser - val - ser - gly - cys - ile - his - gly -
 - phe - asp - arg - tyr - phe - thr - thr - glu - his - ile - arg - arg - phe - leu - - -fMet - ser - val - gly - leu - trp - leu - tyr - pro - arg - thr -



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

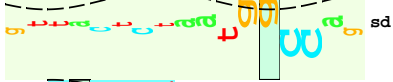




sd-(5)-ir 2066238 Gap 5.4 bits
 sd-ir 2066238 IS5H_yoeA- total 10.4 bits
 sd-(9)-ir 2066208 Gap 2.3 bits
 sd-ir 2066208 IS5H_yoeA- total 7.4 bits



sd-(9)-ir 2066220 Gap 2.3 bits
 sd-ir 2066220 IS5H_yoeA- total 8.0 bits



p10 4.5 bits

p35-(26)-p10 2066226 Gap 3.7 bits
 p35-p10 2066226 total 6.4 bits

*2066200 * *2066190 * *2066180 * *2066170 * *2066160 * *2066150 * *2066140 * *2066130 *
 5' a t g a t g g t c a g a c g t t g a c c t g c a g a a a c t g c a t t t t a a t t g g t c t a t a a a g t c t g c a a g a g g a a t c a g g g t c a g a t c a g t 3'
 -met- met- val- arg- arg- -fMet- val- tyr- lys- val- cys- lys- arg- asn- gln- gly- gln- ile- ser-
 - asp- gly- gln- thr- leu- thr- cys- arg- asn- cys- ile- leu- ile- gly- leu- -fMet-
 ... ir IS5H_yoeA-

orf 18 codons

*2066120 * *2066110 * *2066100 * *2066090 * *2066080 * *2066070 * *2066060 * *2066050 *
 5' g a g t c t t a t c g c g g c c c g a a g c t a t g a c t g a a a g a a g g c t g g a t a c a g a a t t g c a a c a a t t t g g c a a t g t c a g a a c a c a g a 3'
 -glu- ser- tyr- arg- gly- pro- lys- leu- -fMet- ala- met- ser- glu- his- arg-
 - ser- leu- ile- ala- ala- arg- ser- tyr- asp- -fMet- thr- glu- arg- arg- leu- asp- thr- glu- leu- gln- gln- phe- gly- asn- val- arg- thr- gln- lys-
 -fMet- thr- glu- arg- arg- leu- asp- thr- glu- leu- gln- gln- phe- gly- asn- val- arg- thr- gln- lys-

p35 3.4 bits p10 3.7 bits

p35-(22)-p10 2066075 Gap 2.3 bits
 p35-p10 2066075 total 4.8 bits

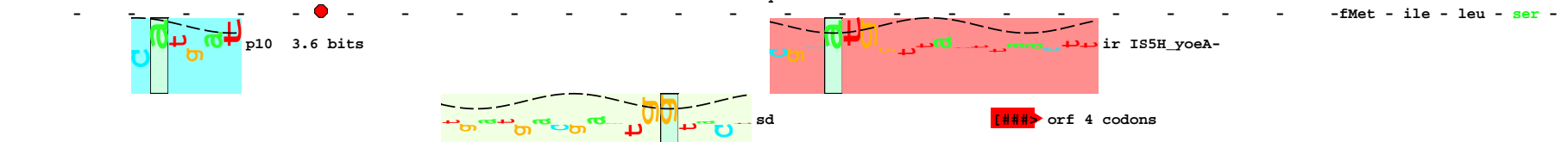
*2066040 * *2066030 * *2066020 * *2066010 * *2066000 * *2065990 * *2065980 * *2065970 * *2065960
 5' a g c t t t g c a a g c a g g t g a a a g g t t a t g t c t a g c a a a a g g a g t a t a t c a g a a t a t a t c t a c t g a t g t a c a a a a c a c a c a a t 3'
 -ser- phe- ala- ser- arg- -fMet- ser- ser- lys- arg- ser- ile- ser- glu- tyr- ile- tyr-
 -fMet- gln- ala- gly- glu- arg- leu- cys- leu- ala- lys- gly- val- tyr- gln- asn- ile- ser- thr- asp- val- gln- asn- thr- thr- ile-
 - leu- cys- lys- gln- val- lys- gly- tyr- val- -fMet- tyr- lys- thr- gln- gln- -fMet- tyr- lys- thr- gln- gln- -fMet-
 ... ir IS5H_yoeA- ### orf 13 codons

sd-(10)-ir 2066016 Gap 2.7 bits

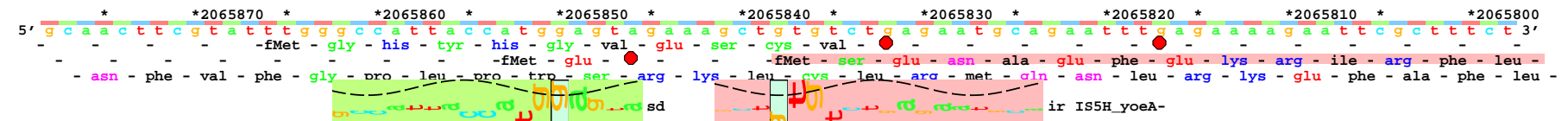
p35 3.4 bits

sd-ir 2066016 IS5H_yoeA- total 10.0 bits
 p35-(23)-p10 2065953 Gap
 p35-p10 2065953 total 5.6

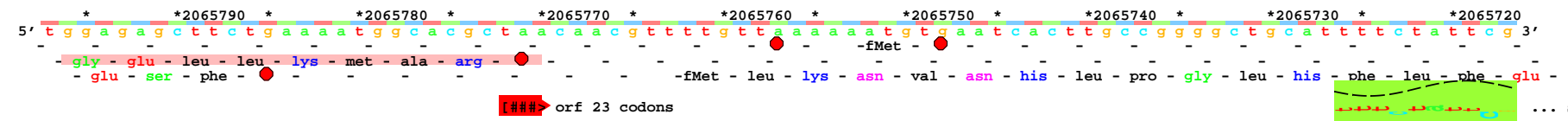
*2065950 * *2065940 * *2065930 * *2065920 * *2065910 * *2065900 * *2065890 * *2065880
 5' a g c t t c a t g a t a t a t a a a t a c g t g a t g a c a g a g t g g t a c t c c g c a t g g t t a t t t a a c t t c t c a g c a c c a c t a a t g a t c c t g a 3'
 -fMet- ile- tyr- lys- tyr- val- met- thr- ser- gly- thr- pro- his- gly- tyr- leu- thr- ser- gln- his- his-
 - ala- ser- -fMet- val- leu- arg- met- val- ile-



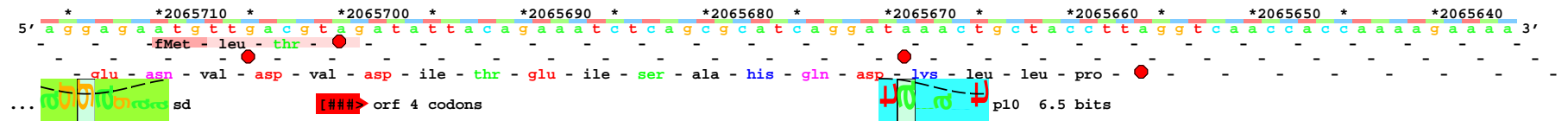
... p35-(23)-p10 2065953 Gap 1.4 bits
 ... p35-p10 2065953 total 5.6 bits
 {-----} sd-(9)-ir 2065916 Gap 2.3 bits
 {-----} sd-ir 2065916 IS5H_yoeA- total 5.3 bits



{-----} sd-(12)-ir 2065838 Gap 4.0 bits
 {-----} sd-ir 2065838 IS5H_yoeA- total 6.1 bits

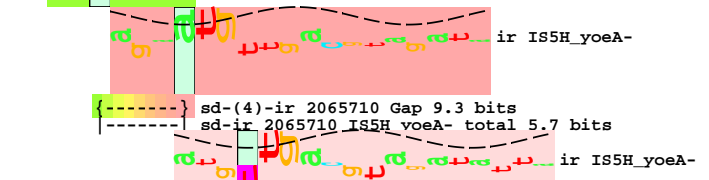


###> orf 23 codons



###> orf 4 codons

p10 6.5 bits

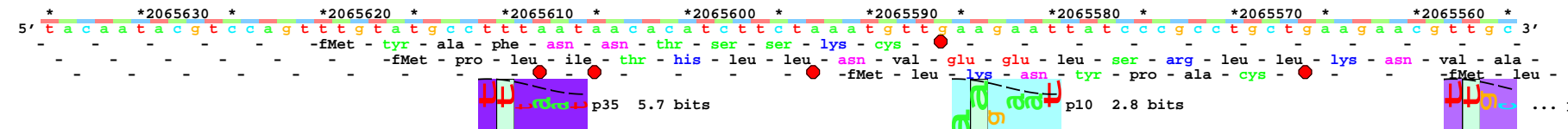


{-----} sd-(4)-ir 2065710 Gap 9.3 bits
 {-----} sd-ir 2065710 IS5H_yoeA- total 5.7 bits

{-----} sd-(7)-ir 2065707 Gap 3.7 bits
 {-----} sd-ir 2065707 IS5H_yoeA- total 8.5 bits



{-----} p35-(26)-p10 2065669 Gap 3.7 bits
 {-----} p35-p10 2065669 total 5.2 bits



p35 5.7 bits

p10 2.8 bits

{-----} p35-(26)-p10 2065584 Gap 3.7 bits
 {-----} ... p35-(22)-p10 2065535 Gap

