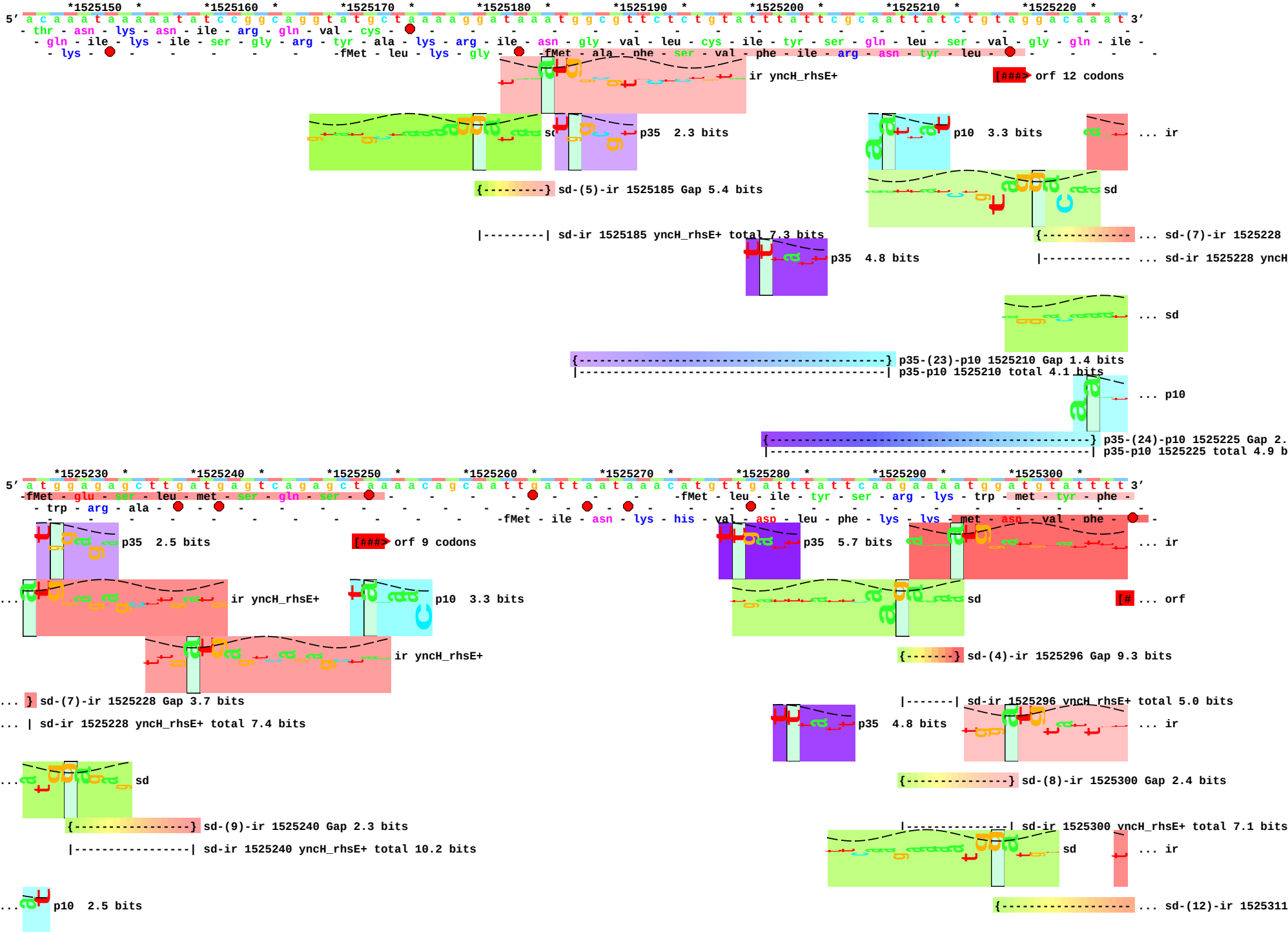
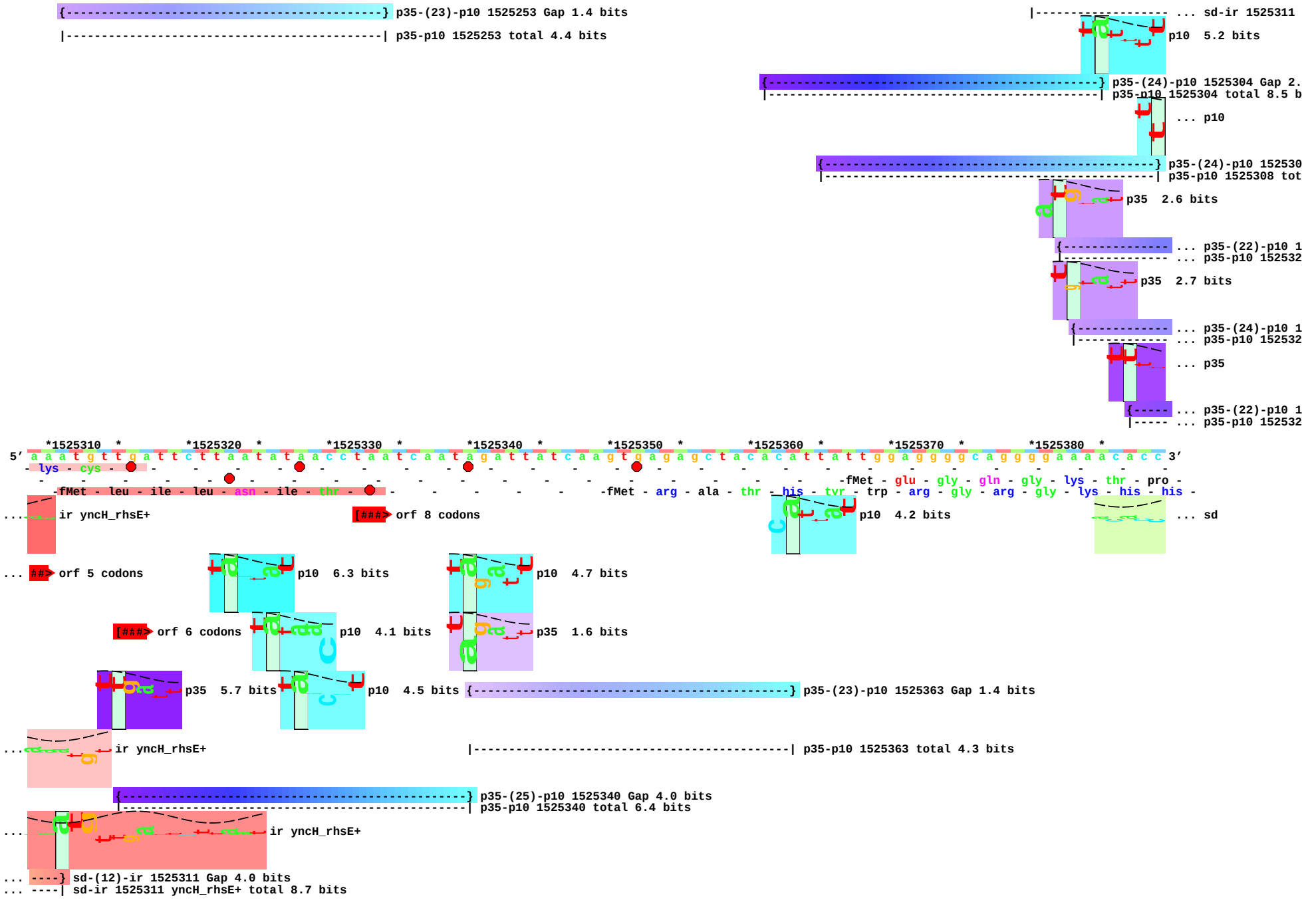
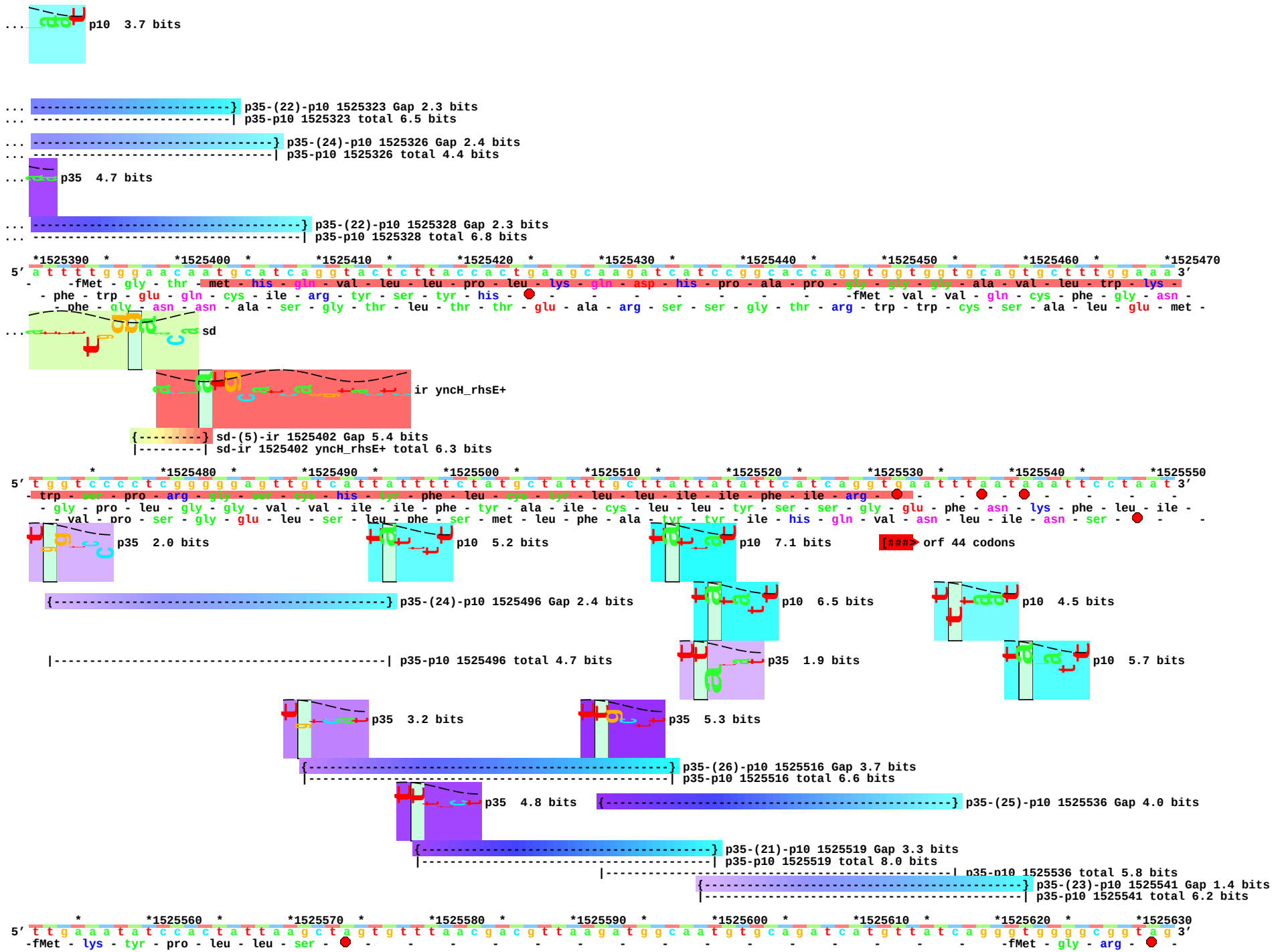
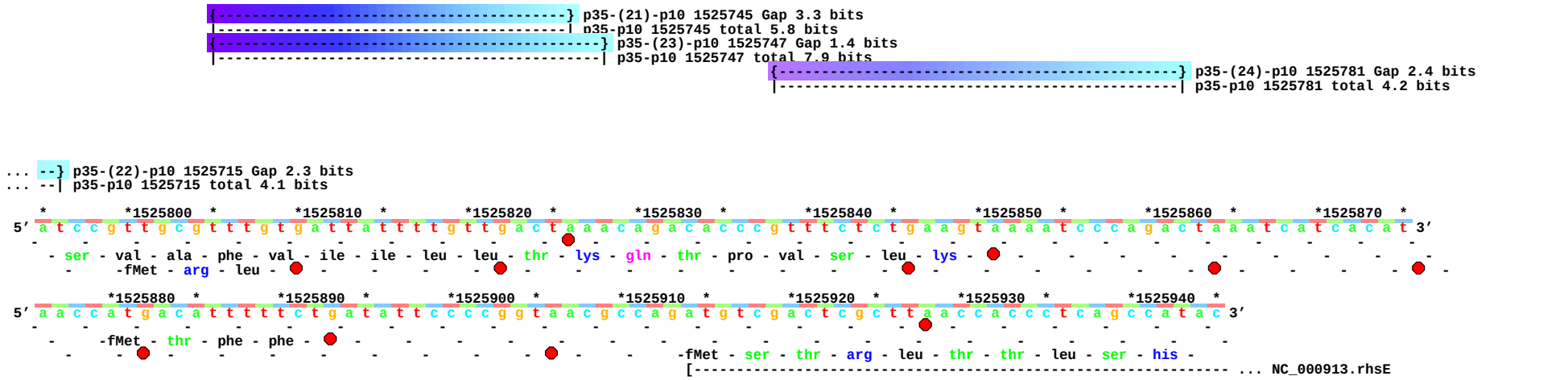
piece 1, NC_000913, yncH_rhsE+, config: linear, direction: +, begin: 1525147, end: 1525945




{----------} p35-(23)-p10 1525253 Gap 1.4 bits
|----------| p35-p10 1525253 total 4.4 bits
|---------- ... sd-ir 1525311
p10 5.2 bits
{----------} p35-(24)-p10 1525304 Gap 2.
|----------| p35-p10 1525304 total 8.5 b
... p10
{----------} p35-(24)-p10 152530
|----------| p35-p10 1525308 tot
p35 2.6 bits
{---------- ... p35-(22)-p10 1
|---------- ... p35-p10 152532
p35 2.7 bits
{---------- ... p35-(24)-p10 1
|---------- ... p35-p10 152532
... p35
{----- ... p35-(22)-p10 1
|----- ... p35-p10 152532
*1525310 *1525320 *1525330 *1525340 *1525350 *1525360 *1525370 *1525380 *
5' a a a t g t t g a t t c t t a a t a t a a c c t a a t c a a t a g a t t a t c a a g t g a g a g c t a c a c a t t a t t g g a g g g g c a g g g g a a a a c a c c 3'
- lys - cys -
-fMet - leu - ile - leu - asn - ile - thr -
-fMet - arg - ala - thr - his - tyr - trp - arg - gly - arg - gly - lys - his - his -
-fMet - glu - gly - gln - gly - lys - thr - pro -
... ir yncH_rhsE+
[###> orf 8 codons
p10 4.2 bits
... sd
... ##> orf 5 codons
p10 6.3 bits
p10 4.7 bits
[###> orf 6 codons
p10 4.1 bits
p35 1.6 bits
p35 5.7 bits
p10 4.5 bits
{----------} p35-(23)-p10 1525363 Gap 1.4 bits
... ir yncH_rhsE+
|----------| p35-p10 1525363 total 4.3 bits
{----------} p35-(25)-p10 1525340 Gap 4.0 bits
|----------| p35-p10 1525340 total 6.4 bits
... ir yncH_rhsE+
... ----} sd-(12)-ir 1525311 Gap 4.0 bits
... ----| sd-ir 1525311 yncH_rhsE+ total 8.7 bits


p10 3.7 bits
p35-(22)-p10 1525323 Gap 2.3 bits
p35-p10 1525323 total 6.5 bits
p35-(24)-p10 1525326 Gap 2.4 bits
p35-p10 1525326 total 4.4 bits
p35 4.7 bits
p35-(22)-p10 1525328 Gap 2.3 bits
p35-p10 1525328 total 6.8 bits
*1525390 *1525400 *1525410 *1525420 *1525430 *1525440 *1525450 *1525460 *1525470
5' a t t t t g g g a a c a a t g c a t c a g g t a c t c t t a c c a c t g a a g c a a g a t c a t c c g g c a c c a g g t g g t g g t g c a g t g c t t t g g a a a 3'
- -fMet - gly - thr - met - his - gln - val - leu - leu - pro - leu - lys - gln - asp - his - pro - ala - pro - gly - gly - gly - ala - val - leu - trp - lys -
- phe - trp - glu - gln - cys - ile - arg - tyr - ser - tyr - his - - - - - - - - -fMet - val - val - gln - cys - phe - gly - asn -
- phe - gly - asn - asn - ala - ser - gly - thr - leu - thr - thr - glu - ala - arg - ser - ser - gly - thr - arg - trp - trp - cys - ser - ala - leu - glu - met -
sd
ir yncH_rhsE+
sd-(5)-ir 1525402 Gap 5.4 bits
sd-ir 1525402 yncH_rhsE+ total 6.3 bits
* *1525480 *1525490 *1525500 *1525510 *1525520 *1525530 *1525540 *1525550
5' t g g t c c c c t c g g g g g a g t t g t c a t t a t t t t c t a t g c t a t t t g c t t a t t a t a t t c a t c a g g t g a a t t t a a t a a a t t c c t a a t 3'
- trp - ser - pro - arg - gly - ser - cys - his - tyr - phe - leu - cys - tyr - leu - leu - ile - ile - phe - ile - arg - - - - - - - - - - - - - - -
- gly - pro - leu - gly - gly - val - val - ile - ile - phe - tyr - ala - ile - cys - leu - leu - tyr - ser - ser - gly - glu - phe - asn - lys - phe - leu - ile -
- val - pro - ser - gly - glu - leu - ser - leu - phe - ser - met - leu - phe - ala - tyr - tyr - ile - his - gln - val - asn - leu - ile - asn - ser - - - -
p35 2.0 bits
p10 5.2 bits
p10 7.1 bits
[###> orf 44 codons
p35-(24)-p10 1525496 Gap 2.4 bits
p10 6.5 bits
p10 4.5 bits
p35-p10 1525496 total 4.7 bits
p35 1.9 bits
p10 5.7 bits
p35 3.2 bits
p35 5.3 bits
p35-(26)-p10 1525516 Gap 3.7 bits
p35-p10 1525516 total 6.6 bits
p35 4.8 bits
p35-(25)-p10 1525536 Gap 4.0 bits
p35-(21)-p10 1525519 Gap 3.3 bits
p35-p10 1525519 total 8.0 bits
p35-p10 1525536 total 5.8 bits
p35-(23)-p10 1525541 Gap 1.4 bits
p35-p10 1525541 total 6.2 bits
* *1525560 *1525570 *1525580 *1525590 *1525600 *1525610 *1525620 *1525630
5' t t g a a a t a t c c a c t a t t a a g c t a g t g t t t a a c g a c g t t a a g a t g g c a a t g t g c a g a t c a t g t t a t c a g g g t g g g g c g g t a g 3'
-fMet - lys - tyr - pro - leu - leu - ser -fMet - gly - arg - - -

-fMet - gln - ile - met - leu - ser - gly - trp - gly - gly - ser -
-fMet - phe - asn - asp - val - lys - met - ala - met - cys - arg - ser - cys - tyr - gln - gly - gly - ala - val - ala -
p35 6.4 bits
p10 2.8 bits
p10 5.7 bits
p35 2.7 bits
p35-(21)-p10 1525574 Gap 3.3 bits
p35-p10 1525574 total 5.9 bits
... p35-(24)-p10 1
... p35-p10 152563
p35 1.6 bits
p35-(23)-p10 1525590 Gap 1.4 bits
p35-p10 1525590 total 5.8 bits
*1525640
*1525650
*1525660
*1525670
*1525680
*1525690
*1525700
*1525710
5′ c g t a t a t t c c t t a t a c a a a c c a t c a t t c a t t t c a a t g a t t g t t a t t g a a t t a t t t a t t g t t g t g a a t a a a a a g a c a t t a t g 3′
-fMet -
- val - tyr - ser - leu - tyr - lys - pro - ser - phe - ile - ser - met - ile - val - ile - glu - leu - phe - ile - val - val - asn - lys - lys - thr - leu -
- tyr - ile - pro - tyr - thr - asn - his - his - ser - phe - gln - -fMet - leu - leu - asn - tyr - leu - leu - leu -
p10 6.5 bits
p35 2.2 bits
p10 3.3 bits
... ir
... p35-(24)-p10 1525636 Gap 2.4 bits
p35 5.2 bits
sd
... p35-p10 1525636 total 6.7 bits
p35-(23)-p10 1525681 Gap 1.4 bits
p35-p10 1525681 total 4.1 bits
sd-(6)-ir 1525711 Gap 4
sd-ir 1525711 yncH_rhsE
p10 2.6 bits
p10 4.2 bits
p35-(23)-p10 1525686 Gap 1.4 bits
p35-p10 1525686 total 6.4 bits
p10 4.6 bits
p35-(25)-p10 1525688 Gap 4.0 bits
p35-p10 1525688 total 5.8 bits
p35 4.8 bits
p35-(22)-p10 1525708 Gap 2.3
p35-p10 1525708 total 6.7 bit
p35 3.7 bits
... p35-(22)-p10 1
... p35-p10 152571
*1525720
*1525730
*1525740
*1525750
*1525760
*1525770
*1525780
*1525790
5′ a a t a t t g g t t t g a c t t t g c a t a t c a g g t t t t t t a t t a c t c g c t g t a a t g t a c g a g c c t g t c g t g a a t a a c g t c g a g a a c c c 3′
- asn - ile - gly - leu - thr - leu - his - ile - arg - phe - phe - ile - thr - arg - cys - asn - val - arg - ala - cys - arg - glu -
- -fMet - val - -fMet - tyr - glu - pro - val - val - asn - asn - val - glu - asn - pro -
... ir yncH_rhsE+
p10 2.6 bits
[###> orf 24 codons
p10 2.7 bits
p10 2.8 bits
p10 3.1 bits
p35 6.5 bits
p35 3.6 bits


p35-(21)-p10 1525745 Gap 3.3 bits
p35-p10 1525745 total 5.8 bits
p35-(23)-p10 1525747 Gap 1.4 bits
p35-p10 1525747 total 7.9 bits
p35-(24)-p10 1525781 Gap 2.4 bits
p35-p10 1525781 total 4.2 bits
p35-(22)-p10 1525715 Gap 2.3 bits
p35-p10 1525715 total 4.1 bits
*1525800 *1525810 *1525820 *1525830 *1525840 *1525850 *1525860 *1525870
5' a t c c g t t g c g t t t g t g a t t a t t t t g t t g a c t a a a c a g a c a c c c g t t t c t c t g a a g t a a a a t c c c a g a c t a a a t c a t c a c a t 3'
- ser - val - ala - phe - val - ile - ile - leu - leu - thr - lys - gln - thr - pro - val - ser - leu - lys -
-fMet - arg - leu -
*1525880 *1525890 *1525900 *1525910 *1525920 *1525930 *1525940
5' a a c c a t g a c a t t t t t c t g a t a t t c c c c g g t a a c g c c a g a t g t c g a c t c g c t t a a c c a c c c t c a g c c a t a c 3'
-fMet - thr - phe - phe -
-fMet - ser - thr - arg - leu - thr - thr - leu - ser - his -
... NC_000913.rhsE