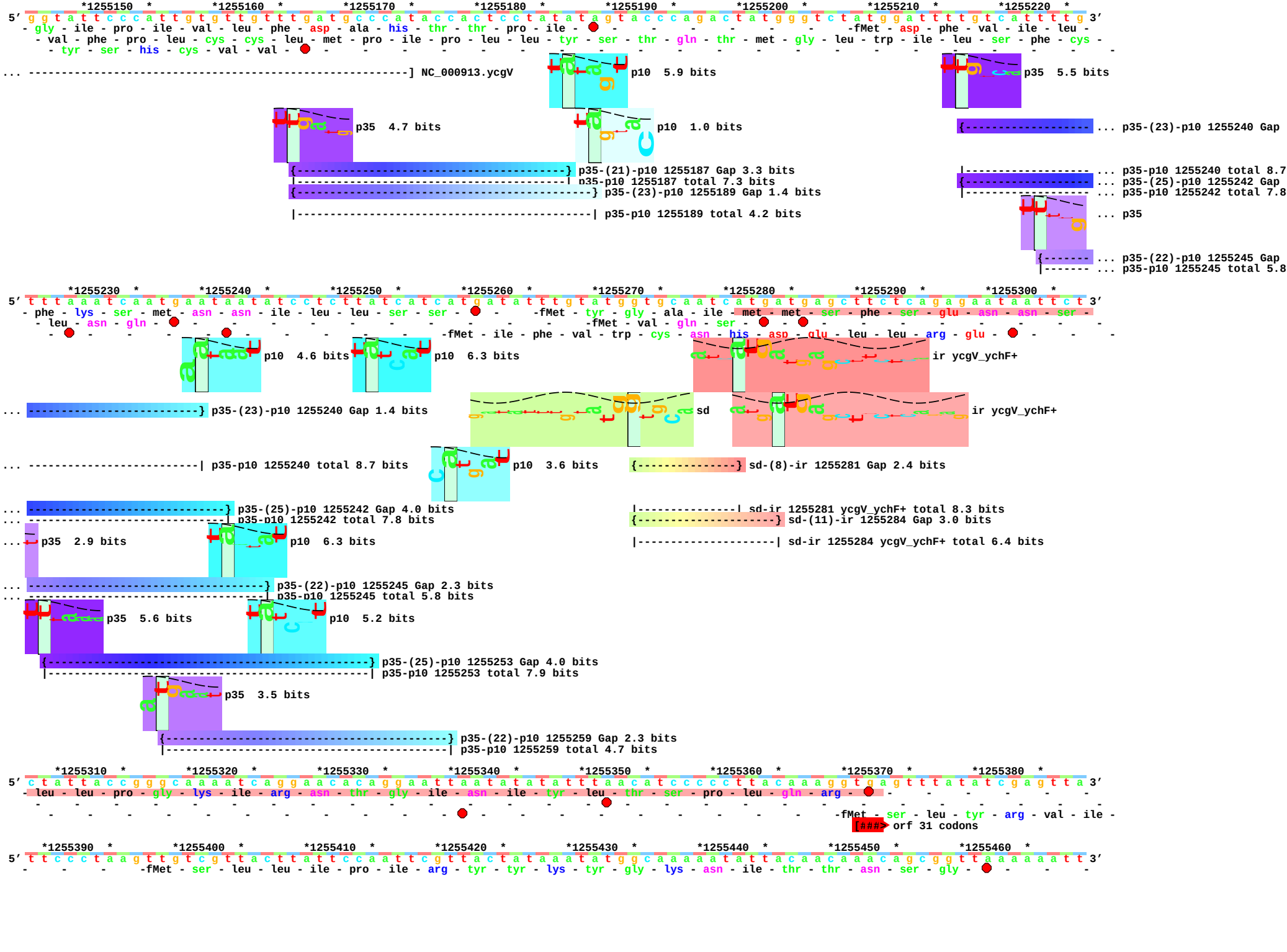
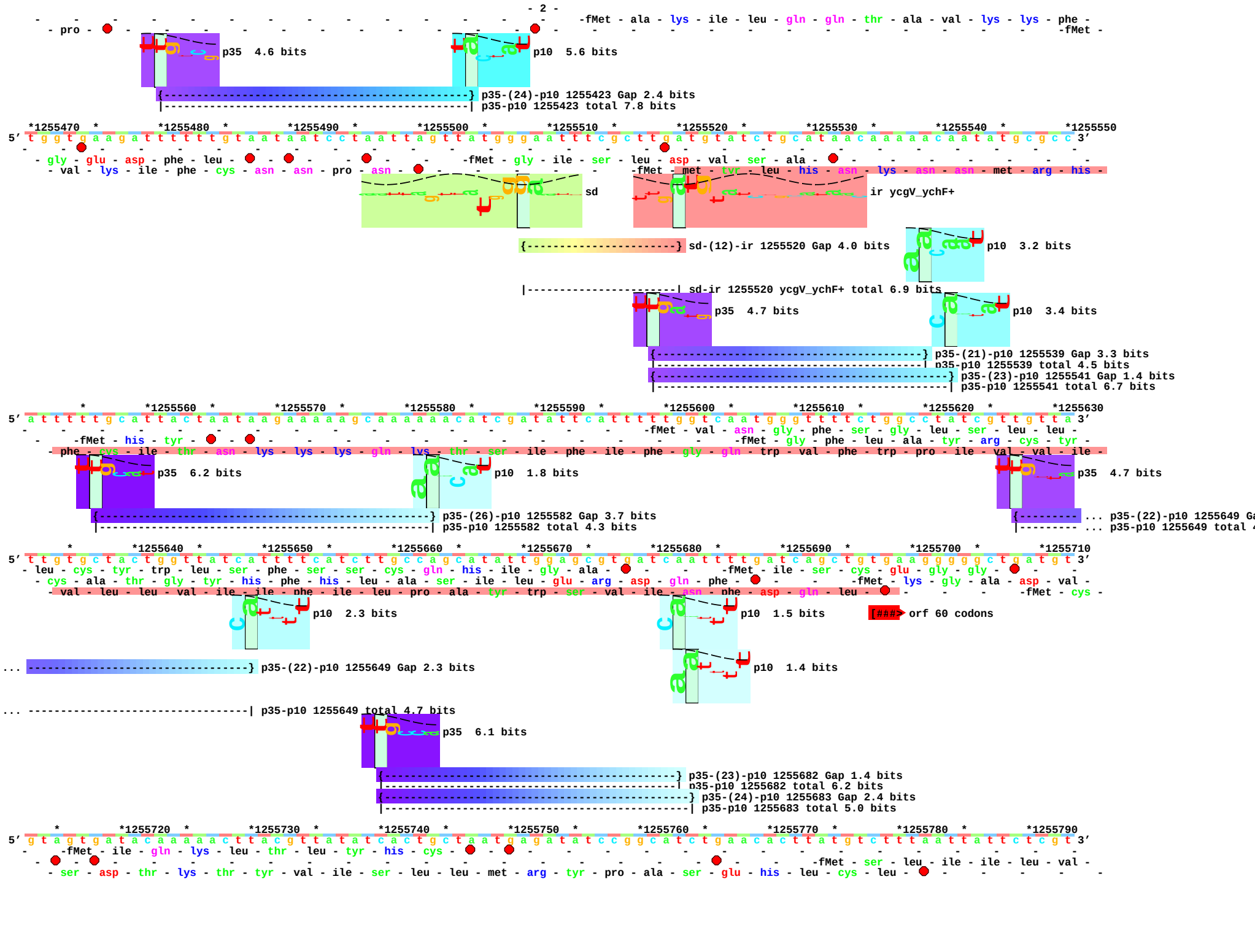
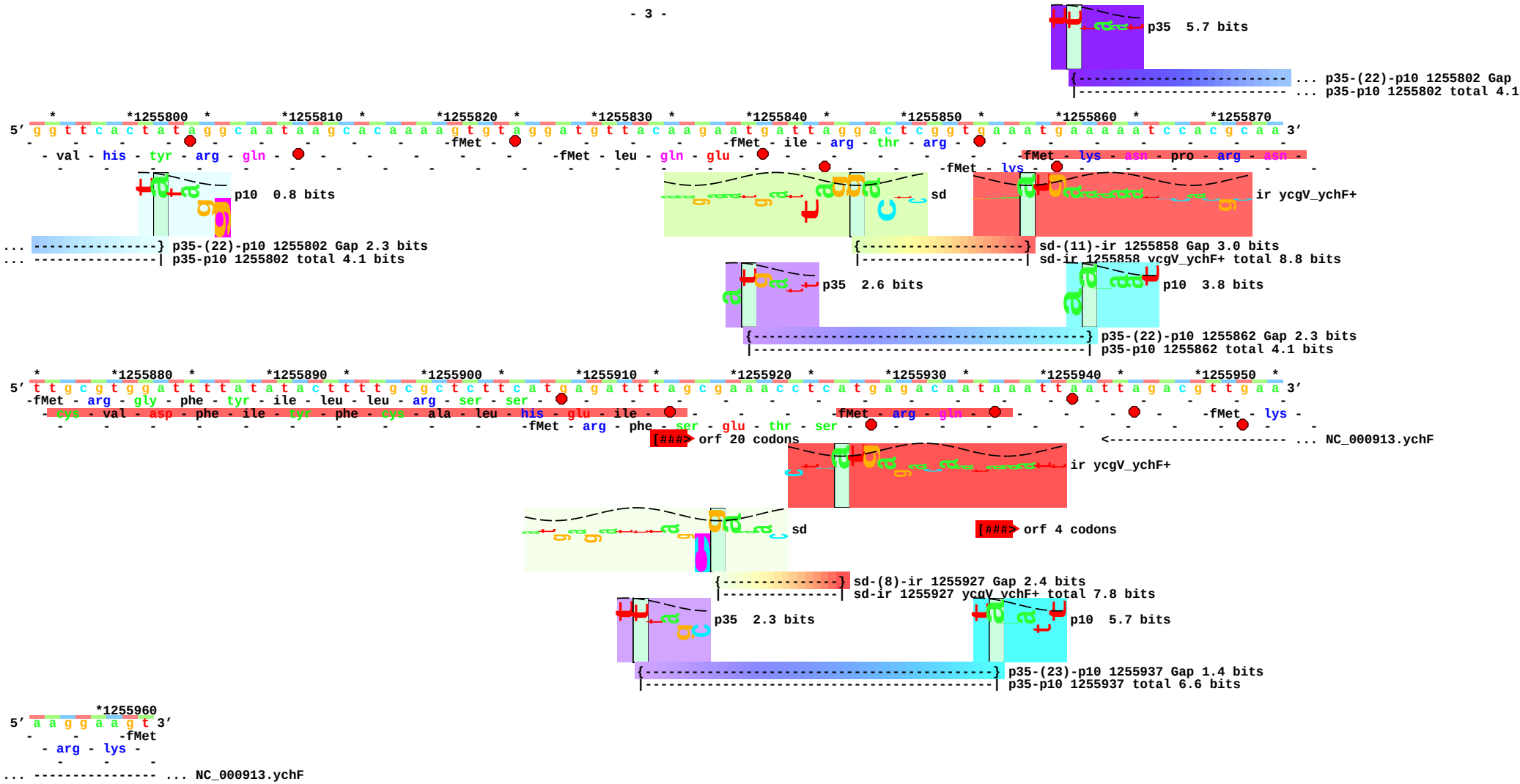
piece 1, NC_000913, ycgV_ychF+, config: linear, direction: +, begin: 1255146, end: 1255963




- 2 -
-fMet - ala - lys - ile - leu - gln - gln - thr - ala - val - lys - lys - phe -
- pro -
-fMet -
p35 4.6 bits
p10 5.6 bits
} p35-(24)-p10 1255423 Gap 2.4 bits
| p35-p10 1255423 total 7.8 bits
*1255470
*1255480
*1255490
*1255500
*1255510
*1255520
*1255530
*1255540
*1255550
5' t g g t g a a g a t t t t t t g t a a t a a t c c t a a t t a g t t a t g g g a a t t t c g c t t g a t g t a t c t g c a t a a c a a a a a c a a t a t g c g c c 3'
- gly - glu - asp - phe - leu -
-fMet - gly - ile - ser - leu - asp - val - ser - ala -
- val - lys - ile - phe - cys - asn - asn - pro - asn -
-fMet - met - tyr - leu - his - asn - lys - asn - asn - met - arg - his -
sd
ir ycgV_ychF+
} sd-(12)-ir 1255520 Gap 4.0 bits
p10 3.2 bits
| sd-ir 1255520 ycgV_ychF+ total 6.9 bits
p35 4.7 bits
p10 3.4 bits
} p35-(21)-p10 1255539 Gap 3.3 bits
| p35-p10 1255539 total 4.5 bits
} p35-(23)-p10 1255541 Gap 1.4 bits
| p35-p10 1255541 total 6.7 bits
*1255560
*1255570
*1255580
*1255590
*1255600
*1255610
*1255620
*1255630
5' a t t t t t g c a t t a c t a a t a a g a a a a a a g c a a a a a a c a t c g a t a t t c a t t t t t g g t c a a t g g g t t t t c t g g c c t a t c g t t g t t a 3'
-fMet - val - asn - gly - phe - ser - gly - leu - ser - leu - leu -
-fMet - his - tyr -
-fMet - gly - phe - leu - ala - tyr - arg - cys - tyr -
- phe - cys - ile - thr - asn - lys - lys - lys - gln - lys - thr - ser - ile - phe - ile - phe - gly - gln - trp - val - phe - trp - pro - ile - val - val - ile -
p35 6.2 bits
p10 1.8 bits
p35 4.7 bits
} p35-(26)-p10 1255582 Gap 3.7 bits
| p35-p10 1255582 total 4.3 bits
} ... p35-(22)-p10 1255649 Gap
| ... p35-p10 1255649 total 4.7
*1255640
*1255650
*1255660
*1255670
*1255680
*1255690
*1255700
*1255710
5' t t g t g c t a c t g g t t a t c a t t t t c a t c t t g c c a g c a t a t t g g a g c g t g a t c a a t t t t g a t c a g c t g t g a a g g g g g c t g a t g t 3'
- leu - cys - tyr - trp - leu - ser - phe - ser - ser - cys - gln - his - ile - gly - ala -
-fMet - ile - ser - cys - glu - gly - gly -
- cys - ala - thr - gly - tyr - his - phe - his - leu - ala - ser - ile - leu - glu - arg - asp - gln - phe -
-fMet - lys - gly - ala - asp - val -
- val - leu - leu - val - ile - ile - phe - ile - leu - pro - ala - tyr - trp - ser - val - ile - asn - phe - asp - gln - leu -
-fMet - cys -
p10 2.3 bits
p10 1.5 bits
[###> orf 60 codons
... } p35-(22)-p10 1255649 Gap 2.3 bits
p10 1.4 bits
... | p35-p10 1255649 total 4.7 bits
p35 6.1 bits
} p35-(23)-p10 1255682 Gap 1.4 bits
| p35-p10 1255682 total 6.2 bits
} p35-(24)-p10 1255683 Gap 2.4 bits
| p35-p10 1255683 total 5.0 bits
*1255720
*1255730
*1255740
*1255750
*1255760
*1255770
*1255780
*1255790
5' g t a g t g a t a c a a a a a a c t t a c g t t a t a t c a c t g c t a a t g a g a t a t c c g g c a t c t g a a c a c t t a t g t c t t t a a t t a t t c t c g t 3'
-fMet - ile - gln - lys - leu - thr - leu - tyr - his - cys -
-fMet - ser - leu - ile - ile - leu - val -
- ser - asp - thr - lys - thr - tyr - val - ile - ser - leu - leu - met - arg - tyr - pro - ala - ser - glu - his - leu - cys - leu -


p35 5.7 bits
... p35-(22)-p10 1255802 Gap
... p35-p10 1255802 total 4.1
*1255800 *1255810 *1255820 *1255830 *1255840 *1255850 *1255860 *1255870
5' g g t t c a c t a t a g g c a a t a a g c a c a a a a g t g t a g g a t g t t a c a a g a a t g a t t a g g a c t c g g t g a a a t g a a a a a t c c a c g c a a 3'
- val - his - tyr - arg - gln - fMet - ile - arg - thr - arg - fMet - lys - asn - pro - arg - asn -
fMet - leu - gln - glu - fMet - lys -
p10 0.8 bits
sd
ir ycgV_ychF+
... } p35-(22)-p10 1255802 Gap 2.3 bits
... | p35-p10 1255802 total 4.1 bits
} sd-(11)-ir 1255858 Gap 3.0 bits
| sd-ir 1255858 ycgV_ychF+ total 8.8 bits
p35 2.6 bits
p10 3.8 bits
} p35-(22)-p10 1255862 Gap 2.3 bits
| p35-p10 1255862 total 4.1 bits
*1255880 *1255890 *1255900 *1255910 *1255920 *1255930 *1255940 *1255950
5' t t g c g t g g a t t t t a t a t a c t t t t g c g c t c t t c a t g a g a t t t a g c g a a a c c t c a t g a g a c a a t a a a t t a a t t a g a c g t t g a a 3'
-fMet - arg - gly - phe - tyr - ile - leu - leu - arg - ser - ser -
- cys - val - asp - phe - ile - tyr - phe - cys - ala - leu - his - glu - ile -
fMet - arg - gln - fMet - lys -
fMet - arg - phe - ser - glu - thr - ser -
[###> orf 20 codons
<---------- ... NC_000913.ychF
ir ycgV_ychF+
sd
[###> orf 4 codons
} sd-(8)-ir 1255927 Gap 2.4 bits
| sd-ir 1255927 ycgV_ychF+ total 7.8 bits
p35 2.3 bits
p10 5.7 bits
} p35-(23)-p10 1255937 Gap 1.4 bits
| p35-p10 1255937 total 6.6 bits
*1255960
5' a a g g a a g t 3'
-fMet
- arg - lys -
... ---------- ... NC_000913.ychF