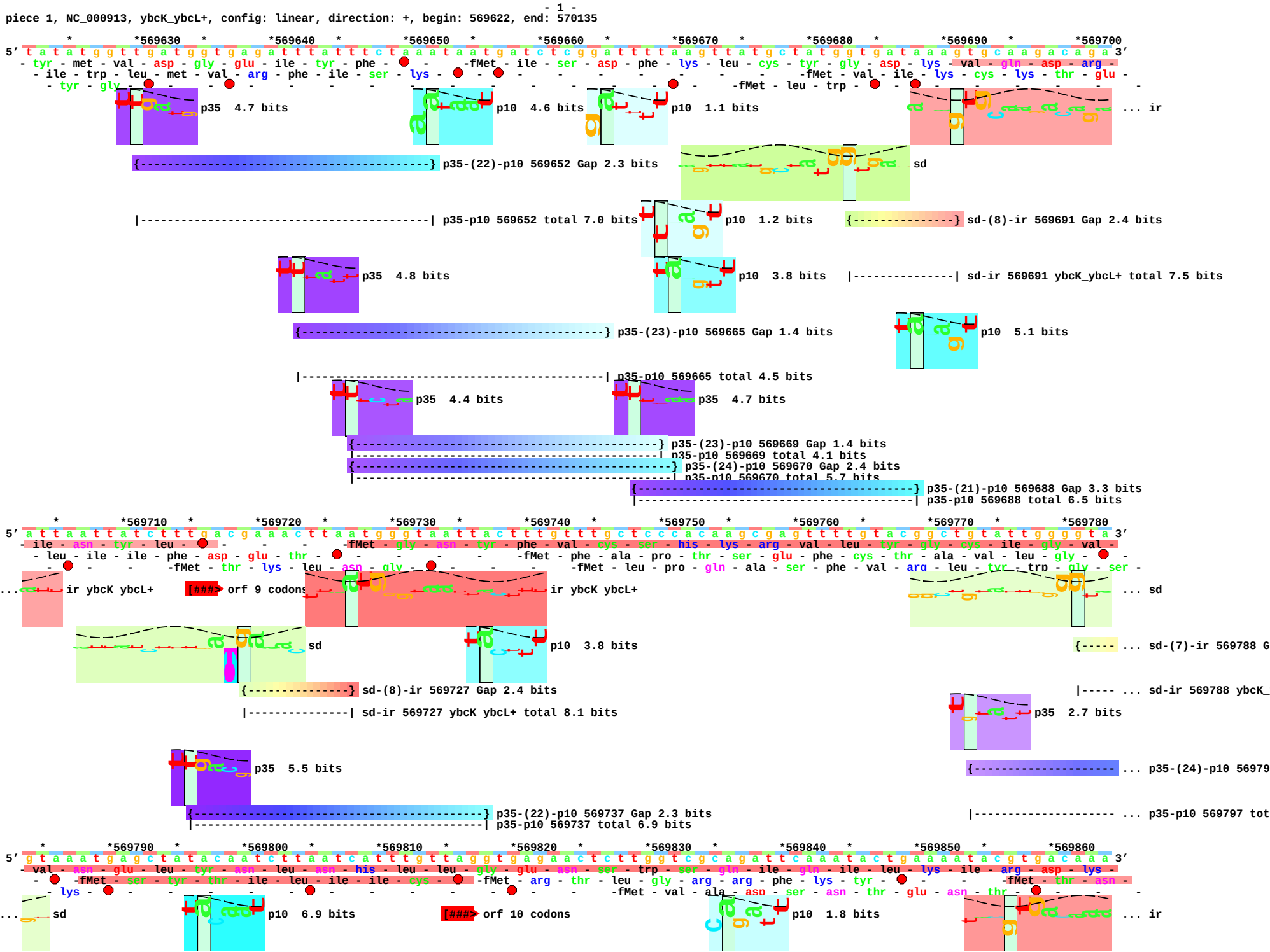
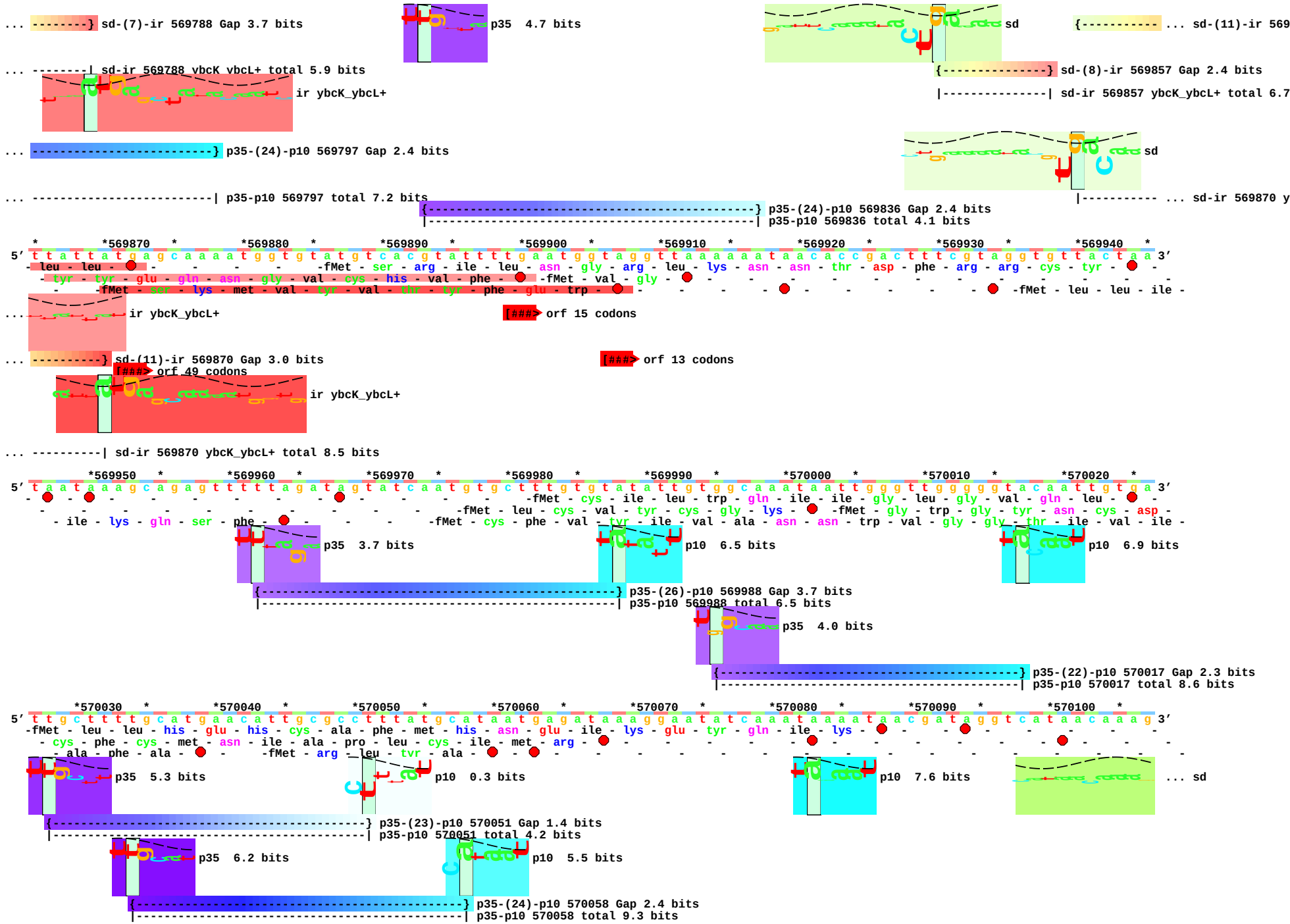
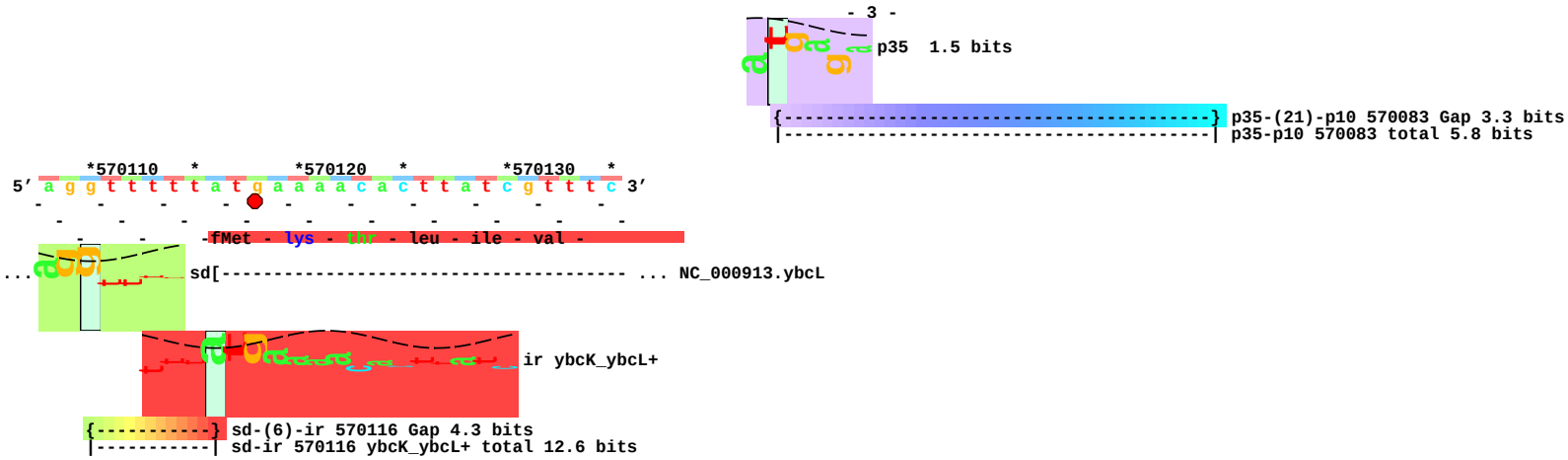
piece 1, NC_000913, ybcK_ybcL+, config: linear, direction: +, begin: 569622, end: 570135




... --------} sd-(7)-ir 569788 Gap 3.7 bits
p35 4.7 bits
sd
{---------- ... sd-(11)-ir 569
... --------| sd-ir 569788 ybcK_ybcL+ total 5.9 bits
{---------} sd-(8)-ir 569857 Gap 2.4 bits
ir ybcK_ybcL+
|--------------| sd-ir 569857 ybcK_ybcL+ total 6.7
... -------------------------} p35-(24)-p10 569797 Gap 2.4 bits
sd
... -------------------------| p35-p10 569797 total 7.2 bits
|---------- ... sd-ir 569870 y
{---} p35-(24)-p10 569836 Gap 2.4 bits
|---| p35-p10 569836 total 4.1 bits
* *569870 * *569880 * *569890 * *569900 * *569910 * *569920 * *569930 * *569940 *
5′ t t a t t a t g a g c a a a a t g g t g t a t g t c a c g t a t t t t g a a t g g t a g g t t a a a a a a t a a c a c c g a c t t t c g t a g g t g t t a c t a a 3′
-leu - leu - -fMet - ser - arg - ile - leu - asn - gly - arg - leu - lys - asn - asn - thr - asp - phe - arg - arg - cys - tyr -
-tyr - tyr - glu - gln - asn - gly - val - cys - his - val - phe - -fMet - val - gly -
- -fMet - ser - lys - met - val - tyr - val - thr - tyr - phe - glu - trp - -fMet - leu - leu - ile -
... ir ybcK_ybcL+
[###> orf 15 codons
... ----------} sd-(11)-ir 569870 Gap 3.0 bits
[###> orf 49 codons
[###> orf 13 codons
ir ybcK_ybcL+
... ----------| sd-ir 569870 ybcK_ybcL+ total 8.5 bits
*569950 * *569960 * *569970 * *569980 * *569990 * *570000 * *570010 * *570020 *
5′ t a a t a a a g c a g a g t t t t t a g a t a g t a t c a a t g t g c t t t g t g t a t t t g t g g c a a a t a a t t g g g t t g g g g g t a c a a t t g t g a 3′
-fMet - leu - cys - val - tyr - cys - gly - lys - -fMet - gly - trp - gly - tyr - asn - cys - asp -
- ile - lys - gln - ser - phe - -fMet - cys - phe - val - tyr - ile - val - ala - asn - asn - trp - val - gly - gly - thr - ile - val - ile -
p35 3.7 bits
p10 6.5 bits
p10 6.9 bits
{---} p35-(26)-p10 569988 Gap 3.7 bits
|---| p35-p10 569988 total 6.5 bits
p35 4.0 bits
{---} p35-(22)-p10 570017 Gap 2.3 bits
|---| p35-p10 570017 total 8.6 bits
*570030 * *570040 * *570050 * *570060 * *570070 * *570080 * *570090 * *570100 *
5′ t t g c t t t t g c a t g a a c a t t g c g c c t t t a t g c a t a a t g a g a t a a a g g a a t a t c a a a t a a a a t a a c g a t a g g t c a t a a c a a a g 3′
-fMet - leu - leu - his - glu - his - cys - ala - phe - met - his - asn - glu - ile - lys - glu - tyr - gln - ile - lys -
- cys - phe - cys - met - asn - ile - ala - pro - leu - cys - ile - met - arg -
- ala - phe - ala - -fMet - arg - leu - tyr - ala -
p35 5.3 bits
p10 0.3 bits
p10 7.6 bits
... sd
{---} p35-(23)-p10 570051 Gap 1.4 bits
|---| p35-p10 570051 total 4.2 bits
p35 6.2 bits
p10 5.5 bits
{---} p35-(24)-p10 570058 Gap 2.4 bits
|---| p35-p10 570058 total 9.3 bits


- 3 -
p35 1.5 bits
{----------} p35-(21)-p10 570083 Gap 3.3 bits
|----------| p35-p10 570083 total 5.8 bits
*570110 * *570120 * *570130 *
5' a g g t t t t a t g a a a a c a c t t a t c g t t t c 3'
-fMet - lys - thr - leu - ile - val -
... sd[... NC_000913.ybcL
ir ybcK_ybcL+
{----------} sd-(6)-ir 570116 Gap 4.3 bits
|----------| sd-ir 570116 ybcK_ybcL+ total 12.6 bits