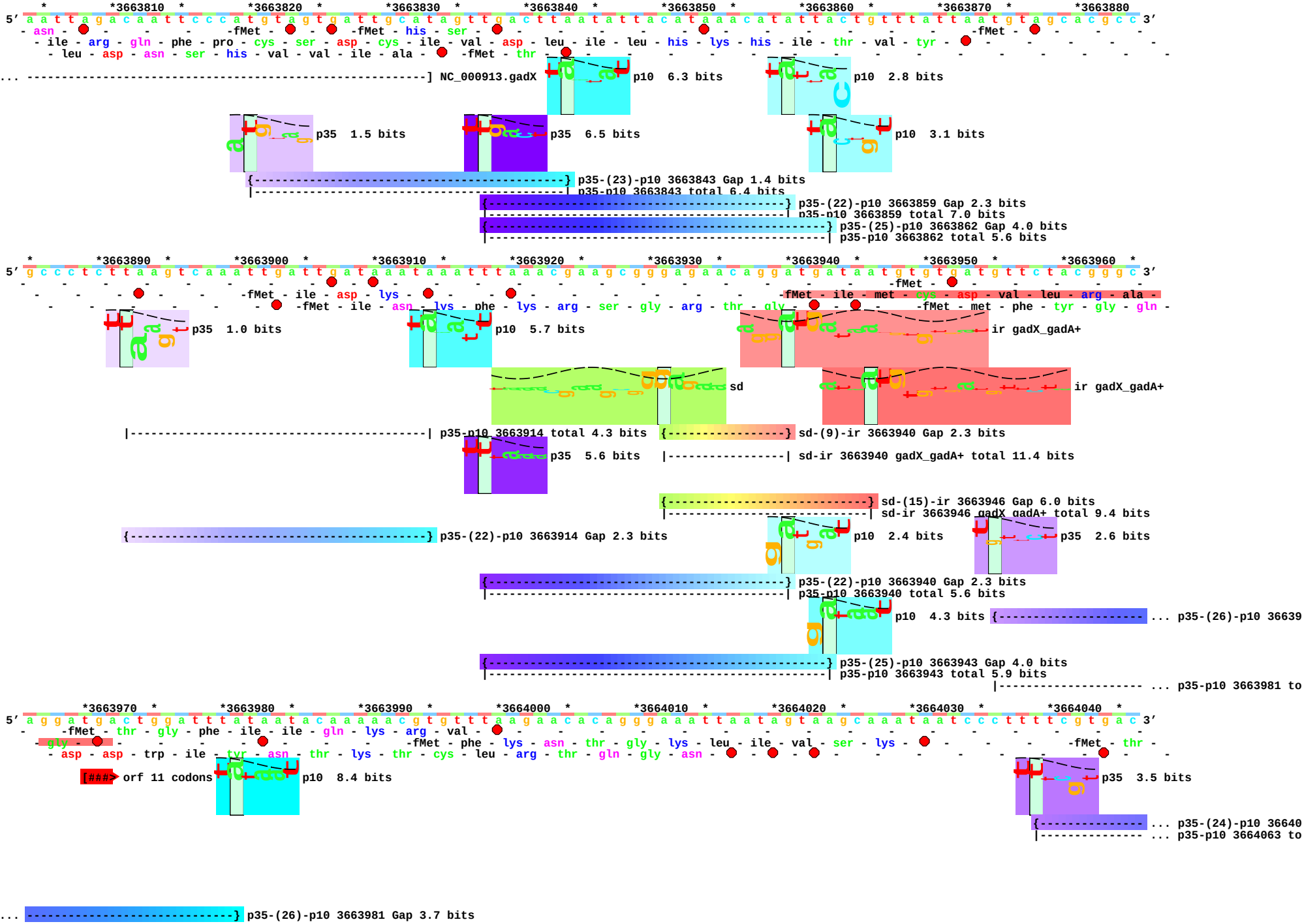
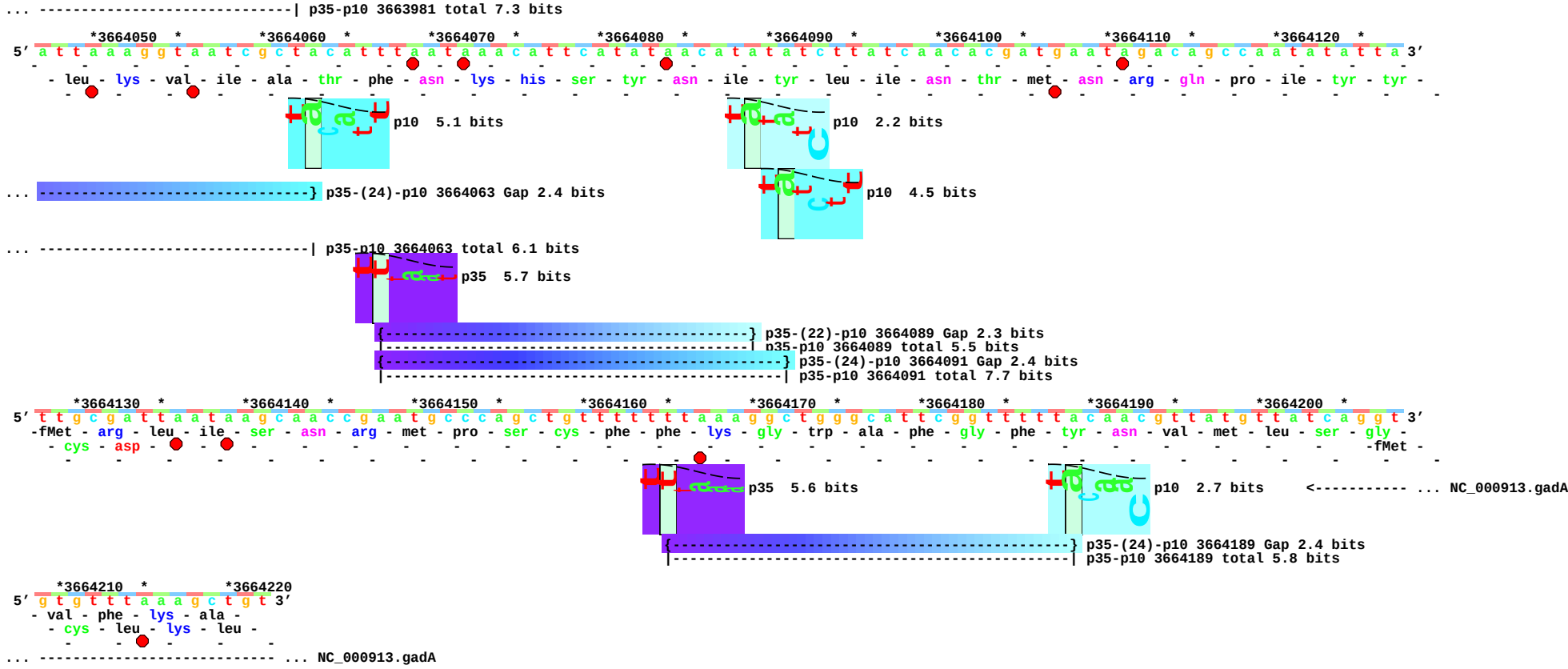
piece 1, NC_000913, gadX_gadA+, config: linear, direction: +, begin: 3663804, end: 3664222


*3663810 *3663820 *3663830 *3663840 *3663850 *3663860 *3663870 *3663880
5' a a t t a g a c a a t t c c c a t g t a g t g a t t g c a t a g t t g a c t t a a t a t t a c a t a a a c a t a t t a c t g t t t a t t a a t g t a g c a c g c c 3'
- asn - - - - -fMet - - - -fMet - his - ser - - - - - - - - - - - - - - - -fMet - - - -
- ile - arg - gln - phe - pro - cys - ser - asp - cys - ile - val - asp - leu - ile - leu - his - lys - his - ile - thr - val - tyr - - - - - - - - -
- leu - asp - asn - ser - his - val - val - ile - ala - - -fMet - thr -
... ----------] NC_000913.gadX
p10 6.3 bits
p10 2.8 bits
p35 1.5 bits
p35 6.5 bits
p10 3.1 bits
{----------} p35-(23)-p10 3663843 Gap 1.4 bits
|----------| p35-p10 3663843 total 6.4 bits
{----------} p35-(22)-p10 3663859 Gap 2.3 bits
|----------| p35-p10 3663859 total 7.0 bits
{----------} p35-(25)-p10 3663862 Gap 4.0 bits
|----------| p35-p10 3663862 total 5.6 bits
*3663890 *3663900 *3663910 *3663920 *3663930 *3663940 *3663950 *3663960
5' g c c c t c t t a a g t c a a a t t g a t t g a t a a a t a a t t t a a a c g a a g c g g g a g a a c a g g a t g a t a a t g t g t g a t g t t c t a c g g g c 3'
- - - - - - - - - - - - - - - - - - - -


... ----------| p35-p10 3663981 total 7.3 bits
*3664050 *3664060 *3664070 *3664080 *3664090 *3664100 *3664110 *3664120 *
5' a t t a a a g g t a a t c g c t a c a t t t a a t a a a c a t t c a t a t a a c a t a t a t c t t a t c a a c a c g a t g a a t a g a c a g c c a a t a t a t t a 3'
- leu - lys - val - ile - ala - thr - phe - asn - lys - his - ser - tyr - asn - ile - tyr - leu - ile - asn - thr - met - asn - arg - gln - pro - ile - tyr - tyr -
p10 5.1 bits
p10 2.2 bits
... {----------} p35-(24)-p10 3664063 Gap 2.4 bits
p10 4.5 bits
... ----------| p35-p10 3664063 total 6.1 bits
p35 5.7 bits
{----------} p35-(22)-p10 3664089 Gap 2.3 bits
|----------| p35-p10 3664089 total 5.5 bits
{----------} p35-(24)-p10 3664091 Gap 2.4 bits
|----------| p35-p10 3664091 total 7.7 bits
*3664130 *3664140 *3664150 *3664160 *3664170 *3664180 *3664190 *3664200 *
5' t t g c g a t t a a t a a g c a a c c g a a t g c c c a g c t g t t t t t t t a a a g g c t g g g c a t t c g g t t t t t a c a a c g t t a t g t t a t c a g g t 3'
-fMet - arg - leu - ile - ser - asn - arg - met - pro - ser - cys - phe - phe - lys - gly - trp - ala - phe - gly - phe - tyr - asn - val - met - leu - ser - gly -
- cys - asp -
-fMet -
p35 5.6 bits
p10 2.7 bits <---------- ... NC_000913.gadA
{----------} p35-(24)-p10 3664189 Gap 2.4 bits
|----------| p35-p10 3664189 total 5.8 bits
*3664210 *3664220
5' g t g t t t a a a g c t g t 3'
- val - phe - lys - ala -
- cys - leu - lys - leu -
... ---------- ... NC_000913.gadA