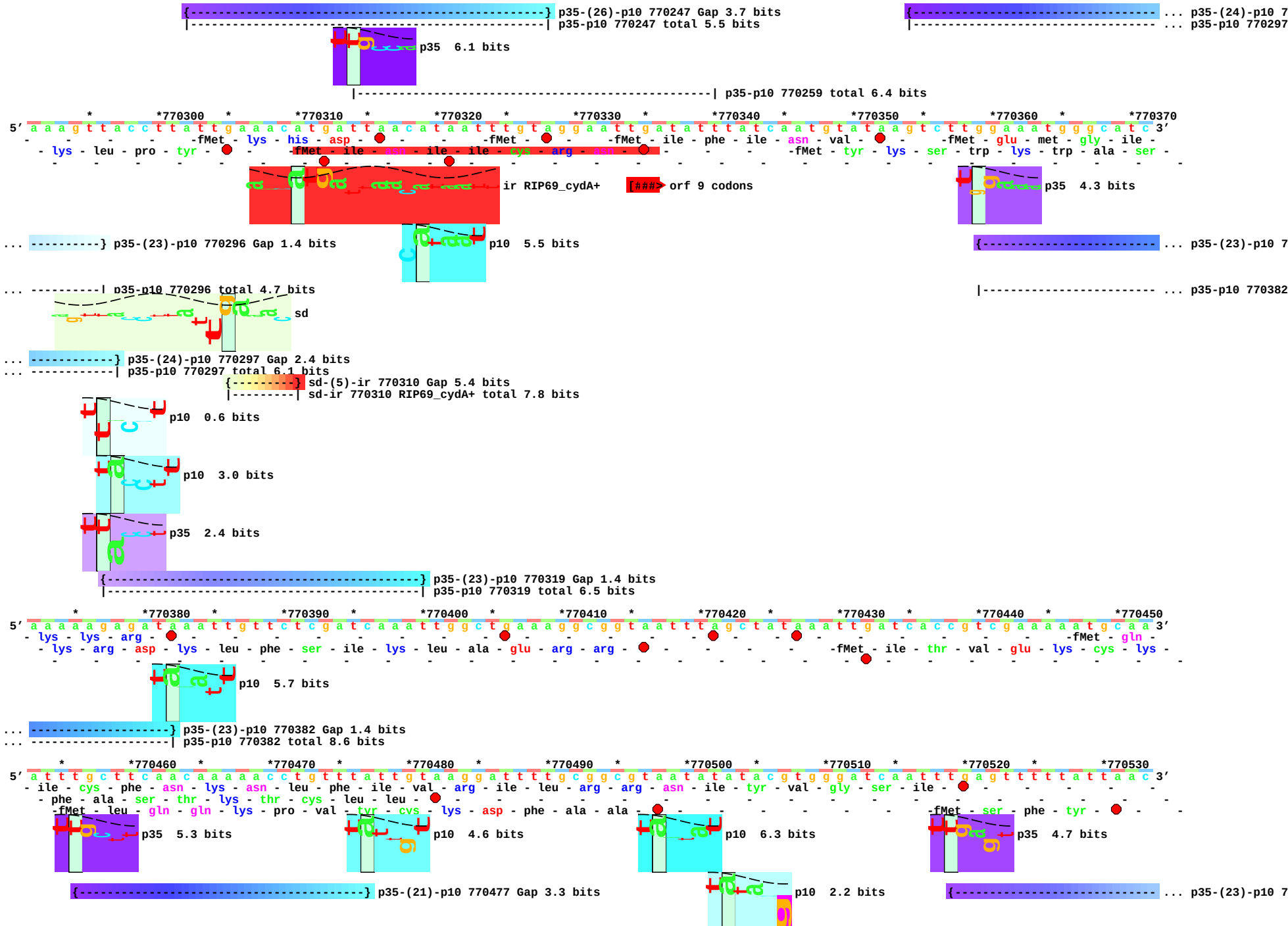
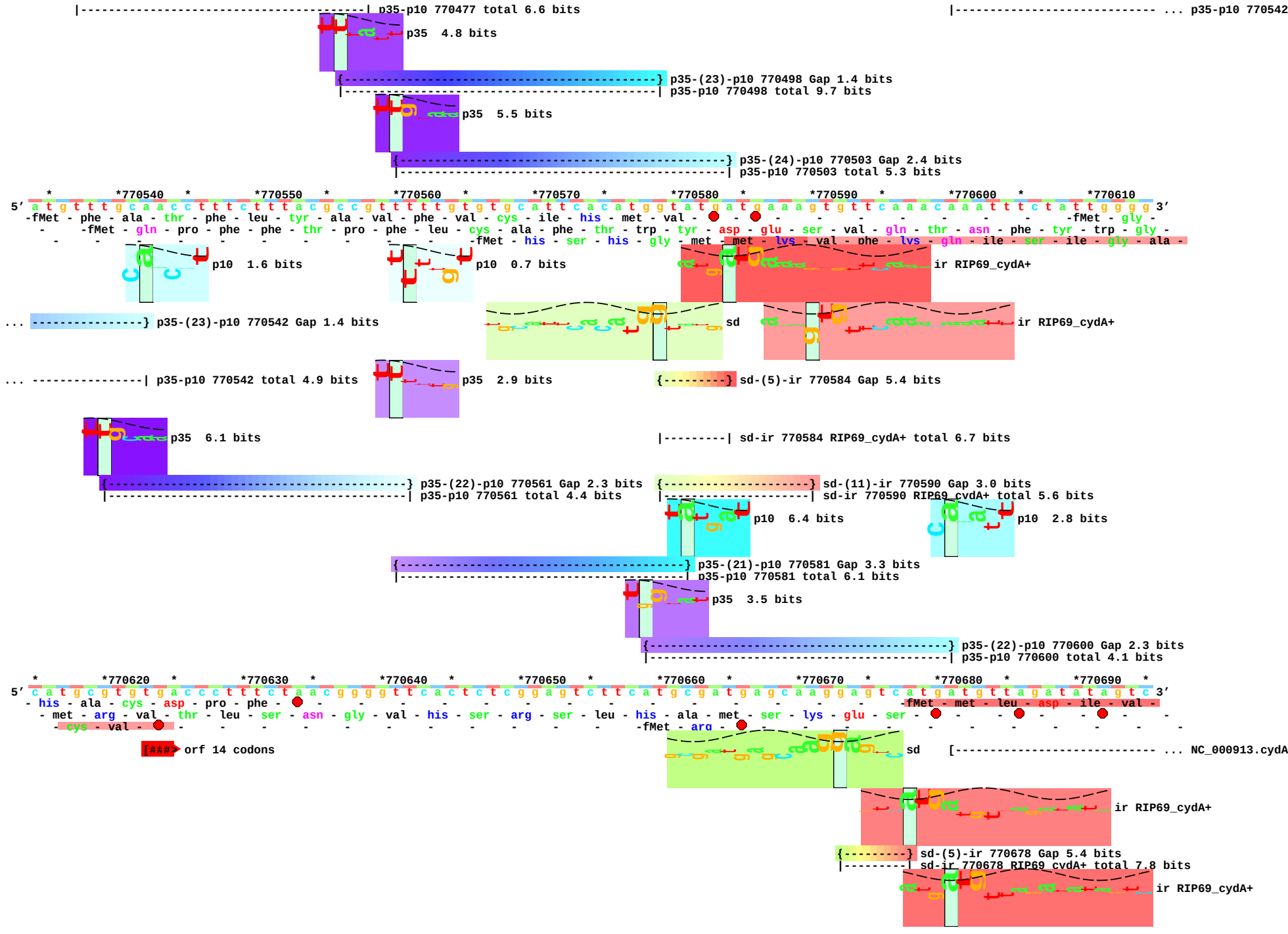
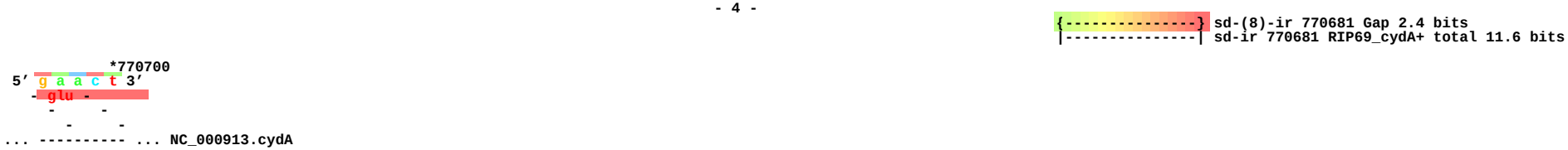
piece 1, NC_000913, RIP69_cydA+, config: linear, direction: +, begin: 769967, end: 770700


p35-(26)-p10 770247 Gap 3.7 bits
p35-p10 770247 total 5.5 bits
p35 6.1 bits
p35-p10 770259 total 6.4 bits
*770300 *770310 *770320 *770330 *770340 *770350 *770360 *770370
5′ a a a g t t a c c t t a t t g a a a c a t g a t t a a c a t a a t t t g t a g g a a t t g a t a t t t a t c a a t g t a t a a g t c t t g g a a a t g g g c a t c 3′
- lys - leu - pro - tyr - -fMet - ile - asn - ile - ile - cys - arg - asn - -fMet - tyr - lys - ser - trp - lys - trp - ala - ser -
ir RIP69_cydA+ [###> orf 9 codons
p35 4.3 bits
p35-(23)-p10 770296 Gap 1.4 bits
p10 5.5 bits
p35-p10 770296 total 4.7 bits
sd
p35-(24)-p10 770297 Gap 2.4 bits
p35-p10 770297 total 6.1 bits
sd-(5)-ir 770310 Gap 5.4 bits
sd-ir 770310 RIP69_cydA+ total 7.8 bits
p10 0.6 bits
p10 3.0 bits
p35 2.4 bits
p35-(23)-p10 770319 Gap 1.4 bits
p35-p10 770319 total 6.5 bits
*770380 *770390 *770400 *770410 *770420 *770430 *770440 *770450
5′ a a a a g a g a t a a a t t g t t c t c g a t c a a a t t g g c t g a a a g g c g g t a a t t t a g c t a t a a a t t g a t c a c c g t c g a a a a a t g c a a 3′
- lys - lys - arg - -fMet - gln -
- lys - arg - asp - lys - leu - phe - ser - ile - lys - leu - ala - glu - arg - arg - -fMet - ile - thr - val - glu - lys - cys - lys -
p10 5.7 bits
p35-(23)-p10 770382 Gap 1.4 bits
p35-p10 770382 total 8.6 bits
*770460 *770470 *770480 *770490 *770500 *770510 *770520 *770530
5′ a t t t g c t t c a a c a a a a a c c t g t t t a t t g t a a g g a t t t t g c g g c g t a a t a t a t a c g t g g g a t c a a t t t g a g t t t t t a t t a a c 3′
- ile - cys - phe - asn - lys - asn - leu - phe - ile - val - arg - ile - leu - arg - arg - asn - ile - tyr - val - gly - ser - ile -
- phe - ala - ser - thr - lys - thr - cys - leu - leu -
-fMet - leu - gln - gln - lys - pro - val - tyr - cys - lys - asp - phe - ala - ala -
-fMet - ser - phe - tyr -
p35 5.3 bits
p10 4.6 bits
p10 6.3 bits
p35 4.7 bits
p35-(21)-p10 770477 Gap 3.3 bits
p10 2.2 bits
p35-(23)-p10 7


p35-p10 770477 total 6.6 bits
... p35-p10 770542
p35 4.8 bits
p35-(23)-p10 770498 Gap 1.4 bits
p35-p10 770498 total 9.7 bits
p35 5.5 bits
p35-(24)-p10 770503 Gap 2.4 bits
p35-p10 770503 total 5.3 bits
*770540 *770550 *770560 *770570 *770580 *770590 *770600 *770610
5' a t g t t t g c a a c c t t t c t t t a c g c c g t t t t t g t g t g c a t t c a c a t g g t a t g a t g a a a g t g t t c a a a c a a a t t t c t a t t g g g g 3'
-fMet - phe - ala - thr - phe - leu - tyr - ala - val - phe - val - cys - ile - his - met - val - fMet - gly -
-fMet - gln - pro - phe - phe - thr - pro - phe - leu - cys - ala - phe - thr - trp - tyr - asp - glu - ser - val - gln - thr - asn - phe - tyr - trp - gly -
-fMet - his - ser - his - gly - met - met - lys - val - phe - lys - gln - ile - ser - ile - gly - ala -
p10 1.6 bits
p10 0.7 bits
ir RIP69_cydA+
... p35-(23)-p10 770542 Gap 1.4 bits
sd
ir RIP69_cydA+
... p35-p10 770542 total 4.9 bits
p35 2.9 bits
sd-(5)-ir 770584 Gap 5.4 bits
p35 6.1 bits
sd-ir 770584 RIP69_cydA+ total 6.7 bits
p35-(22)-p10 770561 Gap 2.3 bits
p35-p10 770561 total 4.4 bits
sd-(11)-ir 770590 Gap 3.0 bits
sd-ir 770590 RIP69_cydA+ total 5.6 bits
p10 6.4 bits
p10 2.8 bits
p35-(21)-p10 770581 Gap 3.3 bits
p35-p10 770581 total 6.1 bits
p35 3.5 bits
p35-(22)-p10 770600 Gap 2.3 bits
p35-p10 770600 total 4.1 bits
*770620 *770630 *770640 *770650 *770660 *770670 *770680 *770690
5' c a t g c g t g t g a c c c t t t c t a a c g g g g t t c a c t c t c g g a g t c t t c a t g c g a t g a g c a a g g a g t c a t g a t g t t a g a t a t a g t c 3'
- his - ala - cys - asp - pro - phe - fMet - met - leu - asp - ile - val -
- met - arg - val - thr - leu - ser - asn - gly - val - his - ser - arg - ser - leu - his - ala - met - ser - lys - glu - ser -
- cys - val - fMet - arg -
[###> orf 14 codons
sd
... NC_000913.cydA
ir RIP69_cydA+
sd-(5)-ir 770678 Gap 5.4 bits
sd-ir 770678 RIP69_cydA+ total 7.8 bits
ir RIP69_cydA+


{---------------} sd-(8)-ir 770681 Gap 2.4 bits
|---------------| sd-ir 770681 RIP69_cydA+ total 11.6 bits
*770700
5’ g a a c t 3’
glu
... ---------- ... NC_000913.cydA