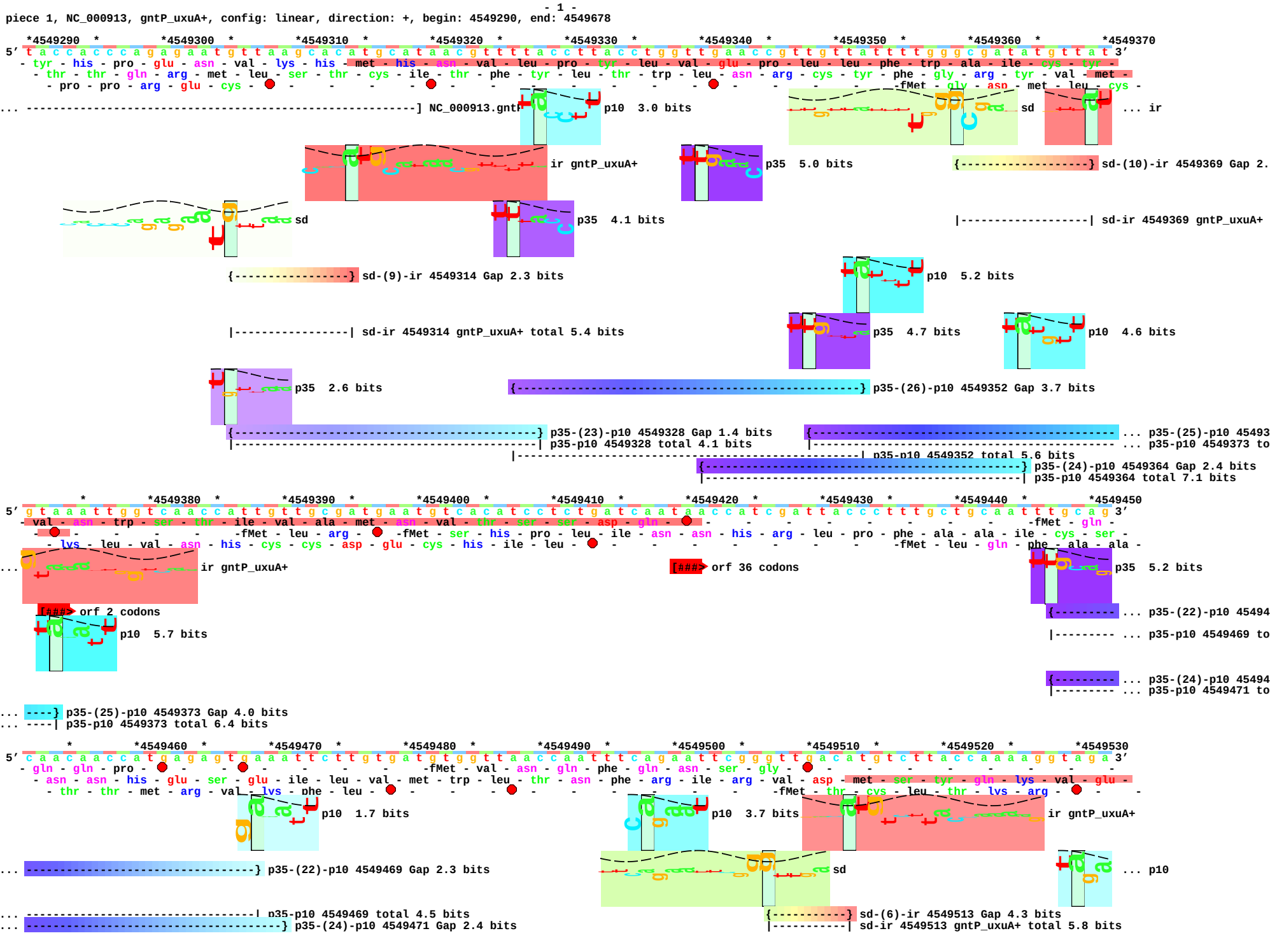
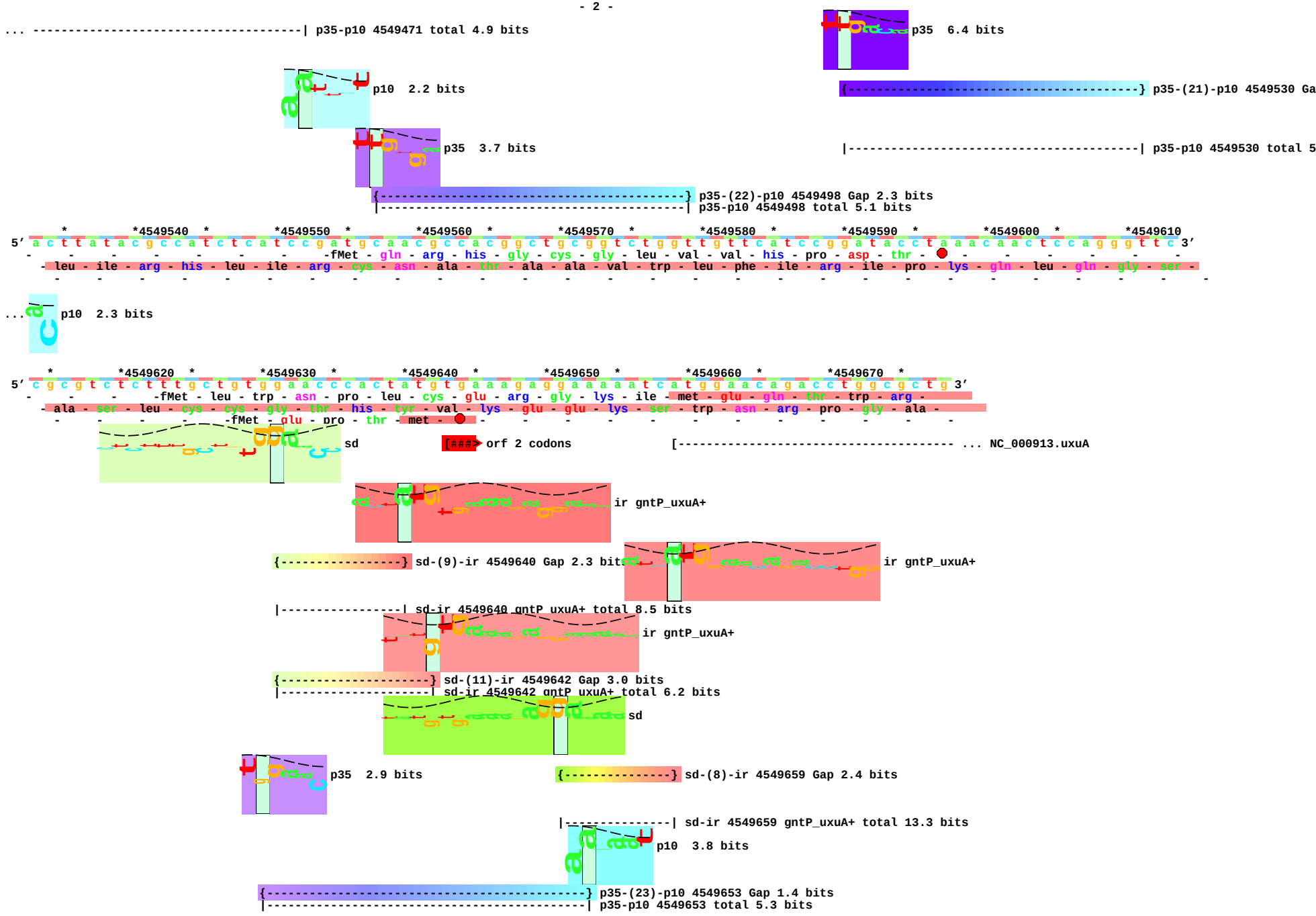

piece 1, NC_000913, gntP_uxuA+, config: linear, direction: +, begin: 4549290, end: 4549678
*4549290 *4549300 *4549310 *4549320 *4549330 *4549340 *4549350 *4549360 *4549370
5′ t a c c a c c a g a g a a t g t t a a g c a c a t g c a t a a c g t t t t a c c t t a c c t g g t t g a a c c g t t g t t a t t t t g g g c g a t a t g t t a t 3′
- tyr - his - pro - glu - asn - val - lys - his - met - his - asn - val - leu - pro - tyr - leu - val - glu - pro - leu - leu - phe - trp - ala - ile - cys - tyr -
- thr - thr - gln - arg - met - leu - ser - thr - cys - ile - thr - phe - tyr - leu - thr - trp - leu - asn - arg - cys - tyr - phe - gly - arg - tyr - val - met -
- pro - pro - arg - glu - cys - fMet - gly - asn - met - leu - cys -
] NC_000913.gntP_uxuA+ p10 3.0 bits
sd ... ir
ir gntP_uxuA+ p35 5.0 bits {----------} sd-(10)-ir 4549369 Gap 2.
sd p35 4.1 bits |----------| sd-ir 4549369 gntP_uxuA+
{----------} sd-(9)-ir 4549314 Gap 2.3 bits p10 5.2 bits
|----------| sd-ir 4549314 gntP_uxuA+ total 5.4 bits p35 4.7 bits p10 4.6 bits
p35 2.6 bits {----------} p35-(26)-p10 4549352 Gap 3.7 bits
{----------} p35-(23)-p10 4549328 Gap 1.4 bits {---------- ... p35-(25)-p10 45493
|----------| p35-p10 4549328 total 4.1 bits |---------- ... p35-p10 4549373 to
|----------| p35-p10 4549352 total 5.6 bits
{----------} p35-(24)-p10 4549364 Gap 2.4 bits
|----------| p35-p10 4549364 total 7.1 bits
* *4549380 * *4549390 * *4549400 * *4549410 * *4549420 * *4549430 * *4549440 * *4549450
5′ g t a a a t t g g t c a a c c a t t g t t g c g a t g a a t g t c a c a t c c t c t g a t c a a t a a c c a t c g a t t a c c c t t t g c t g c a a t t t g c a g 3′
- val - asn - trp - ser - thr - ile - val - ala - met - asn - val - thr - ser - ser - asp - gln - fMet - gln -
- fMet - leu - arg - fMet - ser - his - pro - leu - ile - asn - asn - his - arg - leu - pro - phe - ala - ala - ile - cys - ser -
- lys - leu - val - asn - his - cys - cys - asp - glu - cys - his - ile - leu - fMet - leu - gln - phe - ala - ala -
... ir gntP_uxuA+ [###> orf 36 codons p35 5.2 bits
[###> orf 2 codons {--------- ... p35-(22)-p10 45494
p10 5.7 bits |--------- ... p35-p10 4549469 to
{--------- ... p35-(24)-p10 45494
|--------- ... p35-p10 4549471 to
... ----} p35-(25)-p10 4549373 Gap 4.0 bits
... ----| p35-p10 4549373 total 6.4 bits
* *4549460 * *4549470 * *4549480 * *4549490 * *4549500 * *4549510 * *4549520 * *4549530
5′ c a a c a a c c a t g a g a g t g a a a t t c t t g t g a t g t g g t t a a c c a a t t t c a g a a t t c g g g t t g a c a t g t c t t a c c a a a a g g t a g a 3′
- gln - gln - pro - fMet - val - asn - gln - phe - gln - asn - ser - gly - fMet - ser - tyr - gln - lys - val - glu -
- asn - asn - his - glu - ser - glu - ile - leu - val - met - trp - leu - thr - asn - phe - arg - ile - arg - val - asp - thr - thr - met - arg - val - lys - phe - leu - fMet - thr - cys - leu - thr - lys - arg -
p10 1.7 bits p10 3.7 bits ir gntP_uxuA+
... } p35-(22)-p10 4549469 Gap 2.3 bits sd ... p10
... |----------| p35-p10 4549469 total 4.5 bits {----------} sd-(6)-ir 4549513 Gap 4.3 bits
... } p35-(24)-p10 4549471 Gap 2.4 bits |----------| sd-ir 4549513 gntP_uxuA+ total 5.8 bits


... ----------| p35-p10 4549471 total 4.9 bits
p35 6.4 bits
p10 2.2 bits
{----------} p35-(21)-p10 4549530 Ga
p35 3.7 bits
|----------| p35-p10 4549530 total 5
{----------} p35-(22)-p10 4549498 Gap 2.3 bits
|----------| p35-p10 4549498 total 5.1 bits
* *4549540 * *4549550 * *4549560 * *4549570 * *4549580 * *4549590 * *4549600 * *4549610
5' a c t t a t a c g c c a t c t c a t c c g a t g c a a c g c c a c g g c t g c g g t c t g g t t g t t c a t c c g g a t a c c t a a a c a a c t c c a g g g t t c 3'
- - - - - - - -fMet - gln - arg - his - gly - cys - gly - leu - val - val - his - pro - asp - thr - - - - - - - -
- leu - ile - arg - his - leu - ile - arg - cys - asn - ala - thr - ala - ala - val - trp - leu - phe - ile - arg - ile - pro - lys - gln - leu - gln - gly - ser -
- - - - - - - -