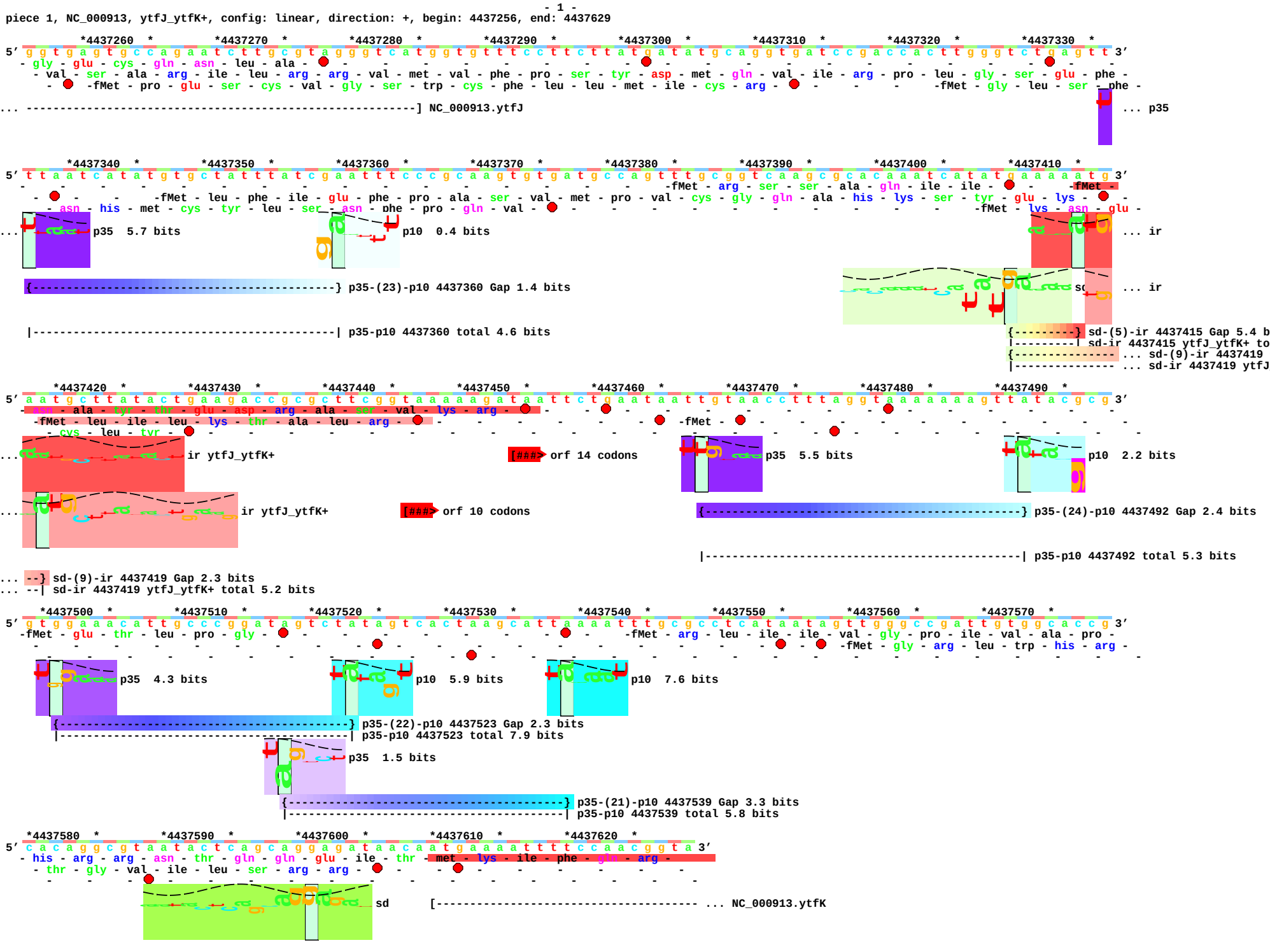
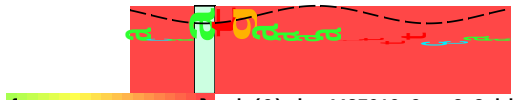

piece 1, NC_000913, ytfJ_ytfK+, config: linear, direction: +, begin: 4437256, end: 4437629
*4437260 *4437270 *4437280 *4437290 *4437300 *4437310 *4437320 *4437330 *
5′ g g t g a g t g c c a g a a t c t t g c g t a g g t c a t g g t g t t t c c t t c t t a t g a t a t g c a g g t g a t c c g a c c a c t t g g g t c t g a g t t 3′
- gly - glu - cys - gln - asn - leu - ala -
- val - ser - ala - arg - ile - leu - arg - arg - val - met - val - phe - pro - ser - tyr - asp - met - gln - val - ile - arg - pro - leu - gly - ser - glu - phe -
-fMet - pro - glu - ser - cys - val - gly - ser - trp - cys - phe - leu - leu - met - ile - cys - arg -fMet - gly - leu - ser - phe -
... ----------] NC_000913.ytfJ ... p35
*4437340 *4437350 *4437360 *4437370 *4437380 *4437390 *4437400 *4437410 *
5′ t t a a t c a t a t g t g c t a t t t a t c g a a t t c c c g c a a g t g t g a t g c c a g t t t g c g g t c a a g c g c a c a a a t c a t a t g a a a a a t g 3′
-fMet - arg - ser - ser - ala - gln - ile - ile - fMet -
- asn - his - met - cys - tyr - leu - ser - asn - phe - pro - gln - val - fMet - lys - asn - glu -
... p35 5.7 bits p10 0.4 bits ... ir
{----------} p35-(23)-p10 4437360 Gap 1.4 bits sd ... ir
|----------| p35-p10 4437360 total 4.6 bits
{---------} sd-(5)-ir 4437415 Gap 5.4 b
|---------| sd-ir 4437415 ytfJ_ytfK+ to
{---------- ... sd-(9)-ir 4437419
|---------- ... sd-ir 4437419 ytfJ
*4437420 *4437430 *4437440 *4437450 *4437460 *4437470 *4437480 *4437490 *
5′ a a t g c t t a t a c t g a a g a c c g c g c t t c g g t a a a a g a t a a t t c t g a a t a a t t g t a a c c t t t a g g t a a a a a a a g t t a t a c g c g 3′
-asn - ala - tyr - thr - glu - asp - arg - ala - ser - val - lys - arg -
-fMet - leu - ile - leu - lys - thr - ala - leu - arg -fMet -
- cys - leu - tyr -
... ir ytfJ_ytfK+ [###> orf 14 codons p35 5.5 bits p10 2.2 bits
... ir ytfJ_ytfK+ [###> orf 10 codons {----------} p35-(24)-p10 4437492 Gap 2.4 bits
|----------| p35-p10 4437492 total 5.3 bits
... --} sd-(9)-ir 4437419 Gap 2.3 bits
... --| sd-ir 4437419 ytfJ_ytfK+ total 5.2 bits
*4437500 *4437510 *4437520 *4437530 *4437540 *4437550 *4437560 *4437570 *
5′ g t g g a a a c a t t g c c c g g a t a g t c t a t a g t c a c t a a g c a t t a a a a t t t g c g c c t c a t a a t a g t t g g g c c g a t t g t g g c a c c g 3′
-fMet - glu - thr - leu - pro - gly -fMet - arg - leu - ile - ile - val - gly - pro - ile - val - ala - pro -
-fMet - gly - arg - leu - trp - his - arg -
p35 4.3 bits p10 5.9 bits p10 7.6 bits
{----------} p35-(22)-p10 4437523 Gap 2.3 bits
|----------| p35-p10 4437523 total 7.9 bits
p35 1.5 bits
{----------} p35-(21)-p10 4437539 Gap 3.3 bits
|----------| p35-p10 4437539 total 5.8 bits
*4437580 *4437590 *4437600 *4437610 *4437620 *
5′ c a c a g g c g t a a t a c t c a g c a g g a g a t a a c a a t g a a a a t t t t c c a a c g g t a 3′
- his - arg - arg - asn - thr - gln - gln - glu - ile - thr - met - lys - ile - phe - gln - arg -
- thr - gly - val - ile - leu - ser - arg - arg -
sd [---------- ... NC_000913.ytfK



{----------} sd-(9)-ir 4437610 Gap 2.3 bits [### ... orf
|----------| sd-ir 4437610 ytfJ_ytfK+ total 16.7 bits