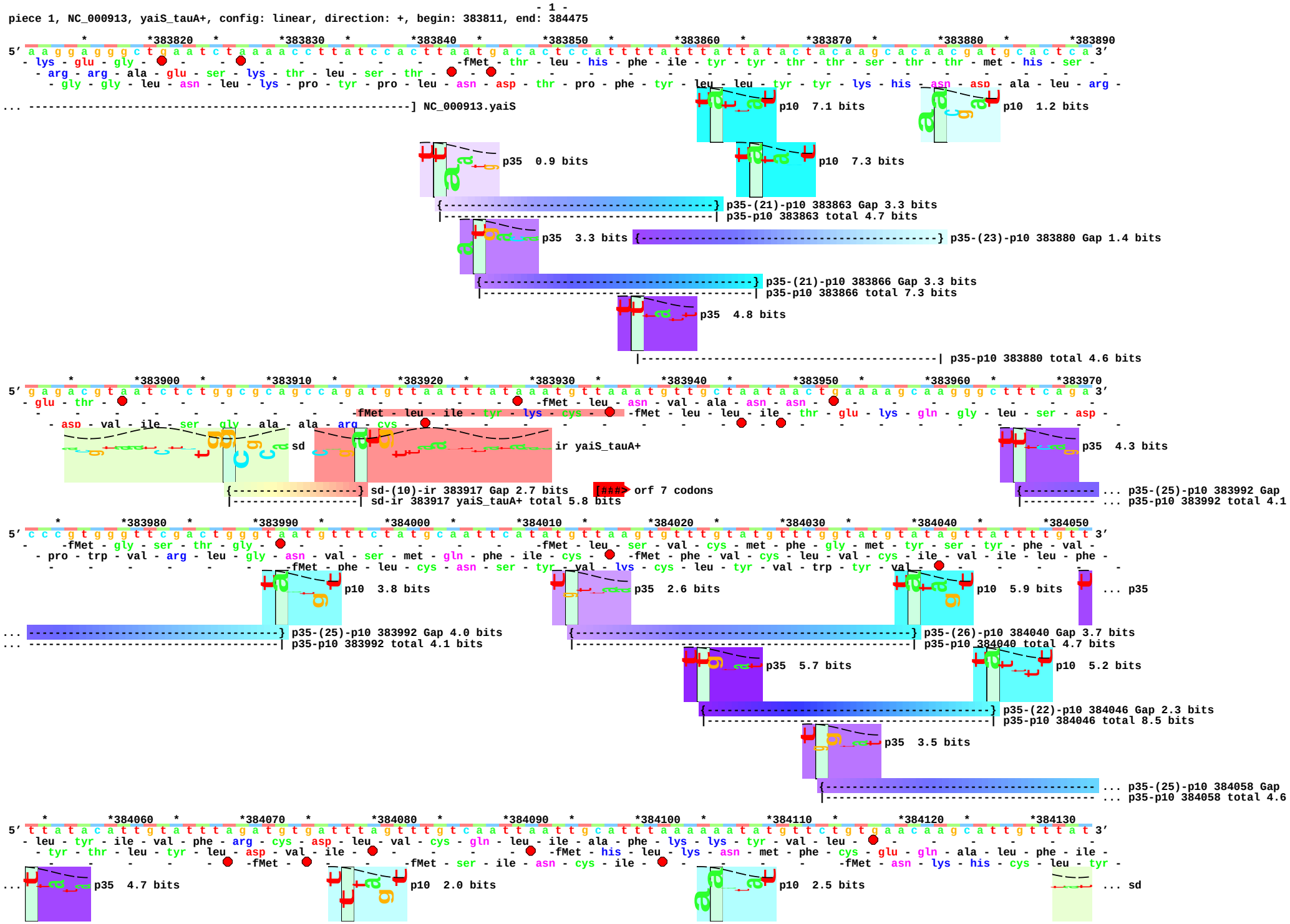
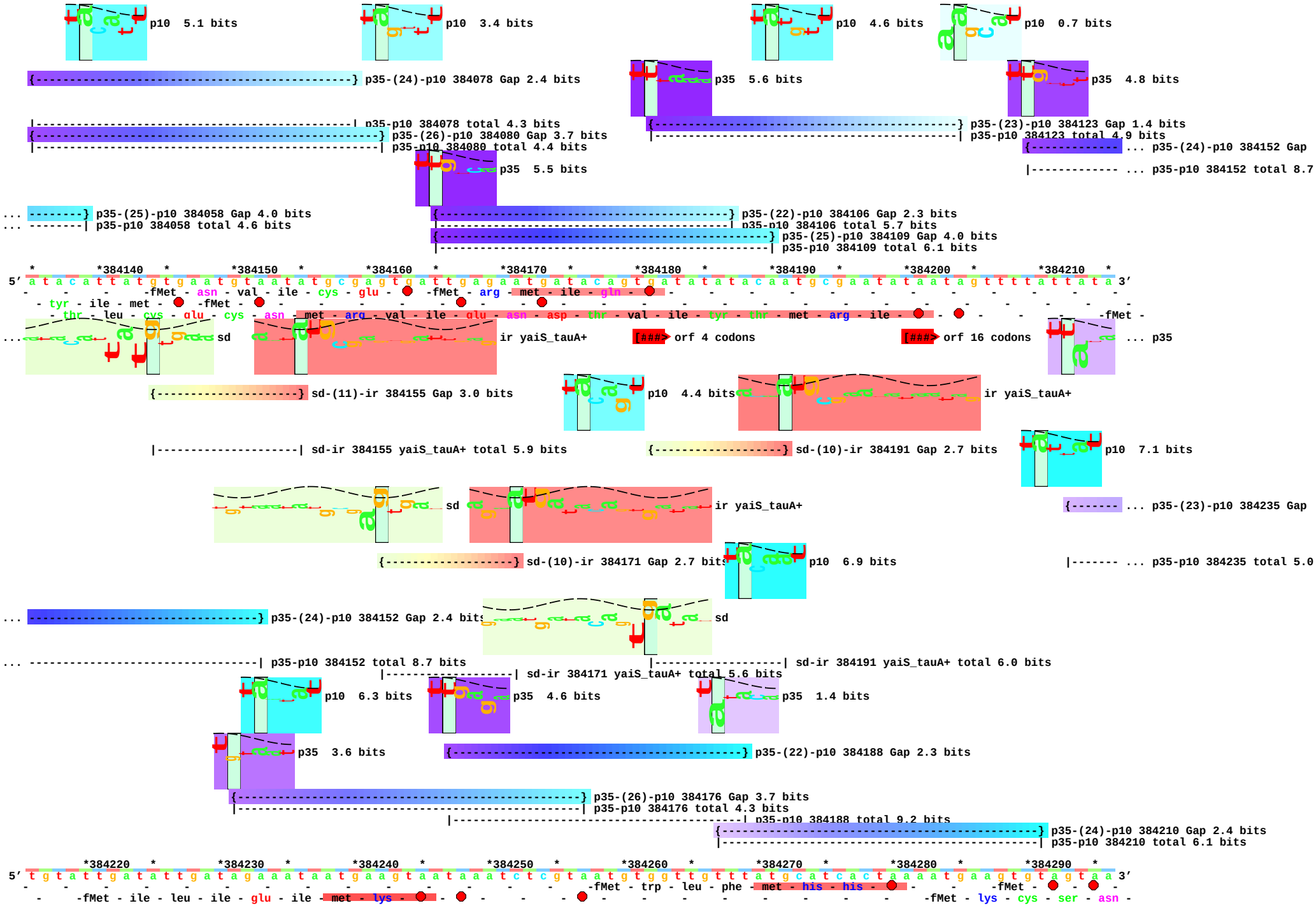
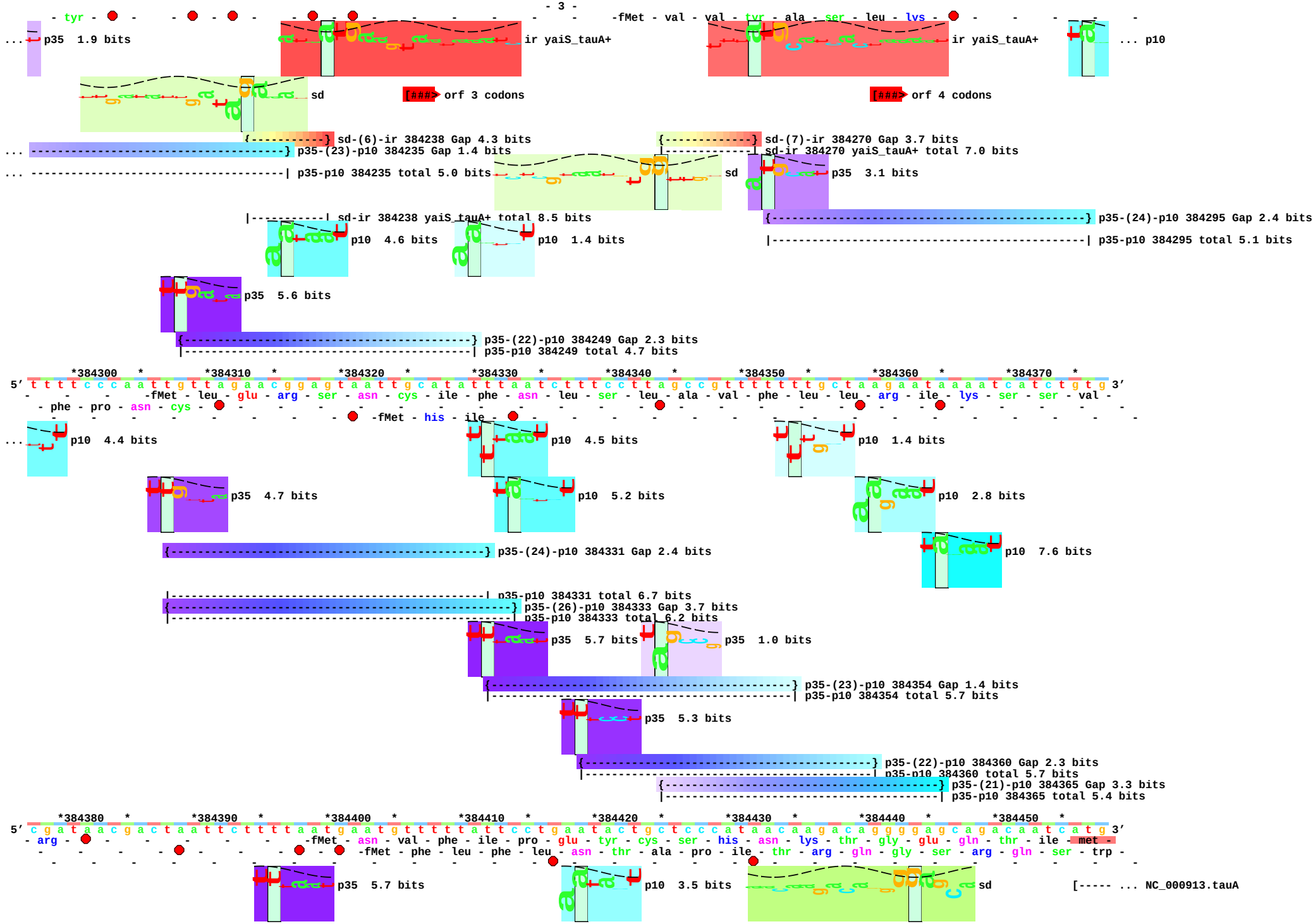
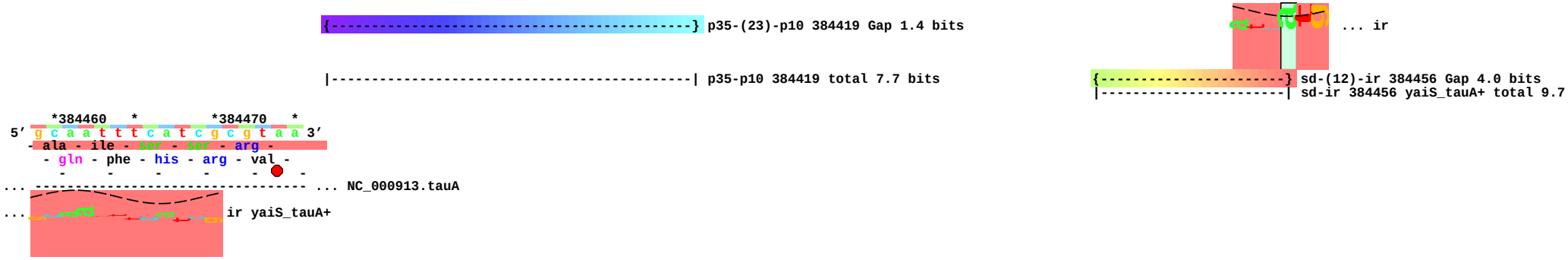

- 1 -
piece 1, NC_000913, yaiS_tauA+, config: linear, direction: +, begin: 383811, end: 384475
*383820 *383830 *383840 *383850 *383860 *383870 *383880 *383890
5′ a a g g a g g c t g a a t c t a a a a c c t t a t c c a c t t a a t g a c a c t c c a t t t t a t t t a t t a t a c t a c a a g c a c a a c g a t g c a c t c a 3′
- lys - glu - gly - -fMet - thr - leu - his - phe - ile - tyr - tyr - thr - thr - ser - thr - thr - met - his - ser -
- arg - arg - ala - glu - ser - lys - thr - leu - ser - thr -
- gly - gly - leu - asn - leu - lys - pro - tyr - pro - leu - asn - asp - thr - pro - phe - tyr - leu - leu - tyr - tyr - lys - his - asn - asp - ala - leu - arg -
... ----------] NC_000913.yaiS
p10 7.1 bits
p10 1.2 bits
p35 0.9 bits
p10 7.3 bits
{----------} p35-(21)-p10 383863 Gap 3.3 bits
|----------| p35-p10 383863 total 4.7 bits
p35 3.3 bits {----------} p35-(23)-p10 383880 Gap 1.4 bits
{----------} p35-(21)-p10 383866 Gap 3.3 bits
|----------| p35-p10 383866 total 7.3 bits
p35 4.8 bits
|----------| p35-p10 383880 total 4.6 bits
*383900 *383910 *383920 *383930 *383940 *383950 *383960 *383970
5′ g a g a c g t a a t c t c t g g c g c a g c c a g a t g t t a a t t t a t a a a t g t t a a a t g t t g c t a a t a a c t g a a a a g c a a g g c t t t c a g a 3′
- glu - thr - -fMet - leu - asn - val - ala - asn - asn -
- -fMet - leu - ile - tyr - lys - cys - -fMet - leu - leu - ile - thr - glu - lys - gln - gly - leu - ser - asp -
- asp - val - ile - ser - gly - ala - ala - arg - cys -
sd ir yaiS_tauA+
p35 4.3 bits
{----------} sd-(10)-ir 383917 Gap 2.7 bits [###> orf 7 codons
|----------| sd-ir 383917 yaiS_tauA+ total 5.8 bits
{---------- ... p35-(25)-p10 383992 Gap
|---------- ... p35-p10 383992 total 4.1
*383980 *383990 *384000 *384010 *384020 *384030 *384040 *384050
5′ c c c g t g g g t t c g a c t g g g t a a t g t t t c t a t g c a a t t c a t a t g t t a a g t g t t t g t a t g t t t g g t a t g t a t a g t t a t t t t g t t 3′
- -fMet - gly - ser - thr - gly - -fMet - leu - ser - val - cys - met - phe - gly - met - tyr - ser - tyr - phe - val -
- pro - trp - val - arg - leu - gly - asn - val - ser - met - gln - phe - ile - cys - -fMet - phe - val - cys - leu - val - cys - ile - val - ile - leu - phe -
- -fMet - phe - leu - cys - asn - ser - tyr - val - lys - cys - leu - tyr - val - trp - tyr - val -
p10 3.8 bits
p35 2.6 bits
p10 5.9 bits ... p35
... ----------} p35-(25)-p10 383992 Gap 4.0 bits
... ----------| p35-p10 383992 total 4.1 bits
{----------} p35-(26)-p10 384040 Gap 3.7 bits
|----------| p35-p10 384040 total 4.7 bits
p35 5.7 bits
p10 5.2 bits
{----------} p35-(22)-p10 384046 Gap 2.3 bits
|----------| p35-p10 384046 total 8.5 bits
p35 3.5 bits
{---------- ... p35-(25)-p10 384058 Gap
|---------- ... p35-p10 384058 total 4.6
*384060 *384070 *384080 *384090 *384100 *384110 *384120 *384130
5′ t t a t a c a t t g t a t t t a g a t g t g a t t t a g t t g t c a a t t a a t t g c a t t t a a a a a t a t g t t c t g a a c a a g c a t t g t t t a t 3′
- leu - tyr - ile - val - phe - arg - cys - asp - leu - val - cys - gln - leu - ile - ala - phe - lys - lys - tyr - val - leu -
- tyr - thr - leu - tyr - leu - asp - val - ile - -fMet - his - leu - lys - asn - met - phe - cys - glu - gln - ala - leu - phe - ile -
- -fMet - -fMet - ser - ile - asn - cys - ile - -fMet - asn - lys - his - cys - leu - tyr -
... p35 4.7 bits
p10 2.0 bits
p10 2.5 bits
... sd


p10 5.1 bits
p10 3.4 bits
p10 4.6 bits
p10 0.7 bits
p35-(24)-p10 384078 Gap 2.4 bits
p35 5.6 bits
p35 4.8 bits
p35-p10 384078 total 4.3 bits
p35-(26)-p10 384080 Gap 3.7 bits
p35-p10 384080 total 4.4 bits
p35-(23)-p10 384123 Gap 1.4 bits
p35-p10 384123 total 4.9 bits
... p35-(24)-p10 384152 Gap
... p35-p10 384152 total 8.7
p35 5.5 bits
... p35-(25)-p10 384058 Gap 4.0 bits
... p35-p10 384058 total 4.6 bits
p35-(22)-p10 384106 Gap 2.3 bits
p35-p10 384106 total 5.7 bits
p35-(25)-p10 384109 Gap 4.0 bits
p35-p10 384109 total 6.1 bits
*384140 *384150 *384160 *384170 *384180 *384190 *384200 *384210
5' a t a c a t t a t g t g a a t g t a a t a t g c g a g t g a t t g a g a a t g a t a c a g t g a t a t a t a c a a t g c g a a t a a t a g t t t a t t a t a 3'
-fMet - asn - val - ile - cys - glu - -fMet - arg - met - ile - gln -
- tyr - ile - met - -fMet -
- thr - leu - cys - glu - cys - asn - met - arg - val - ile - glu - asn - asp - thr - val - ile - tyr - thr - met - arg - ile - -fMet -
... sd ir yaiS_tauA+ [###> orf 4 codons [###> orf 16 codons ... p35
sd-(11)-ir 384155 Gap 3.0 bits
p10 4.4 bits
ir yaiS_tauA+
sd-ir 384155 yaiS_tauA+ total 5.9 bits
sd-(10)-ir 384191 Gap 2.7 bits
p10 7.1 bits
sd ir yaiS_tauA+
... p35-(23)-p10 384235 Gap
sd-(10)-ir 384171 Gap 2.7 bits
p10 6.9 bits
... p35-p10 384235 total 5.0
... p35-(24)-p10 384152 Gap 2.4 bits
sd
... p35-p10 384152 total 8.7 bits
sd-ir 384191 yaiS_tauA+ total 6.0 bits
sd-ir 384171 yaiS_tauA+ total 5.6 bits
p10 6.3 bits
p35 4.6 bits
p35 1.4 bits
p35 3.6 bits
p35-(22)-p10 384188 Gap 2.3 bits
p35-(26)-p10 384176 Gap 3.7 bits
p35-p10 384176 total 4.3 bits
p35-p10 384188 total 9.2 bits
p35-(24)-p10 384210 Gap 2.4 bits
p35-p10 384210 total 6.1 bits
*384220 *384230 *384240 *384250 *384260 *384270 *384280 *384290
5' t g t a t t g a t a t t g a t a g a a a t a a t g a a g t a a t a a a t c t c g t a a t g t g g t t g t t t a t g c a t c a c t a a a a t g a a g t g t a g t a a 3'
-fMet - trp - leu - phe - met - his - his - -fMet -
-fMet - ile - leu - ile - glu - ile - met - lys - -fMet - lys - cys - ser - asn -


- tyr -
-fMet - val - val - tyr - ala - ser - leu - lys -
... p35 1.9 bits
ir yaiS_tauA+
ir yaiS_tauA+
... p10
sd
[###> orf 3 codons
[###> orf 4 codons
{----------} sd-(6)-ir 384238 Gap 4.3 bits
{----------} sd-(7)-ir 384270 Gap 3.7 bits
... {----------} p35-(23)-p10 384235 Gap 1.4 bits
|----------| sd-ir 384270 yaiS_tauA+ total 7.0 bits
... |----------| p35-p10 384235 total 5.0 bits
sd
p35 3.1 bits
|----------| sd-ir 384238 yaiS_tauA+ total 8.5 bits
{----------} p35-(24)-p10 384295 Gap 2.4 bits
p10 4.6 bits
p10 1.4 bits
|----------| p35-p10 384295 total 5.1 bits
p35 5.6 bits
{----------} p35-(22)-p10 384249 Gap 2.3 bits
|----------| p35-p10 384249 total 4.7 bits
*384300 *384310 *384320 *384330 *384340 *384350 *384360 *384370 *
5′ t t t t c c c a a t t g t t a g a a c g g a g t a a t t g c a t a t t t a a t c t t t c c t t a g c c g t t t t t t t g c t a a g a a t a a a a t c a t c t g t g 3′
- - - -fMet - leu - glu - arg - ser - asn - cys - ile - phe - asn - leu - ser - leu - ala - val - phe - leu - leu - arg - ile - lys - ser - ser - val -
- phe - pro - asn - cys -
-fMet - his - ile -
... p10 4.4 bits
p10 4.5 bits
p10 1.4 bits
p35 4.7 bits
p10 5.2 bits
p10 2.8 bits
{----------} p35-(24)-p10 384331 Gap 2.4 bits
p10 7.6 bits
|----------| p35-p10 384331 total 6.7 bits
{----------} p35-(26)-p10 384333 Gap 3.7 bits
|----------| p35-p10 384333 total 6.2 bits
p35 5.7 bits
p35 1.0 bits
{----------} p35-(23)-p10 384354 Gap 1.4 bits
|----------| p35-p10 384354 total 5.7 bits
p35 5.3 bits
{----------} p35-(22)-p10 384360 Gap 2.3 bits
|----------| p35-p10 384360 total 5.7 bits
{----------} p35-(21)-p10 384365 Gap 3.3 bits
|----------| p35-p10 384365 total 5.4 bits
*384380 *384390 *384400 *384410 *384420 *384430 *384440 *384450 *
5′ c g a t a a c g a c t a a t t c t t t t a a t g a a t g t t t t t a t t c c t g a a t a c t g c t c c c a t a a c a a g a c a g g g g a g c a g a c a a t c a t g 3′
- arg - -fMet - asn - val - phe - ile - pro - glu - tyr - cys - ser - his - asn - lys - thr - gly - glu - gln - thr - ile - met -
- -fMet - phe - leu - phe - leu - asn - thr - ala - pro - ile - thr - arg - gln - gly - ser - arg - gln - ser - trp -
p35 5.7 bits
p10 3.5 bits
sd
[----- ... NC_000913.tauA


{----------} p35-(23)-p10 384419 Gap 1.4 bits
|----------| p35-p10 384419 total 7.7 bits
... ir
{----------} sd-(12)-ir 384456 Gap 4.0 bits
|----------| sd-ir 384456 yaiS_tauA+ total 9.7
*384460
*384470
5′ g c a a t t t c a t c g c g t a a 3′
- ala - ile - ser - ser - arg -
- gln - phe - his - arg - val -
... ... NC_000913.tauA
... ir yaiS_tauA+