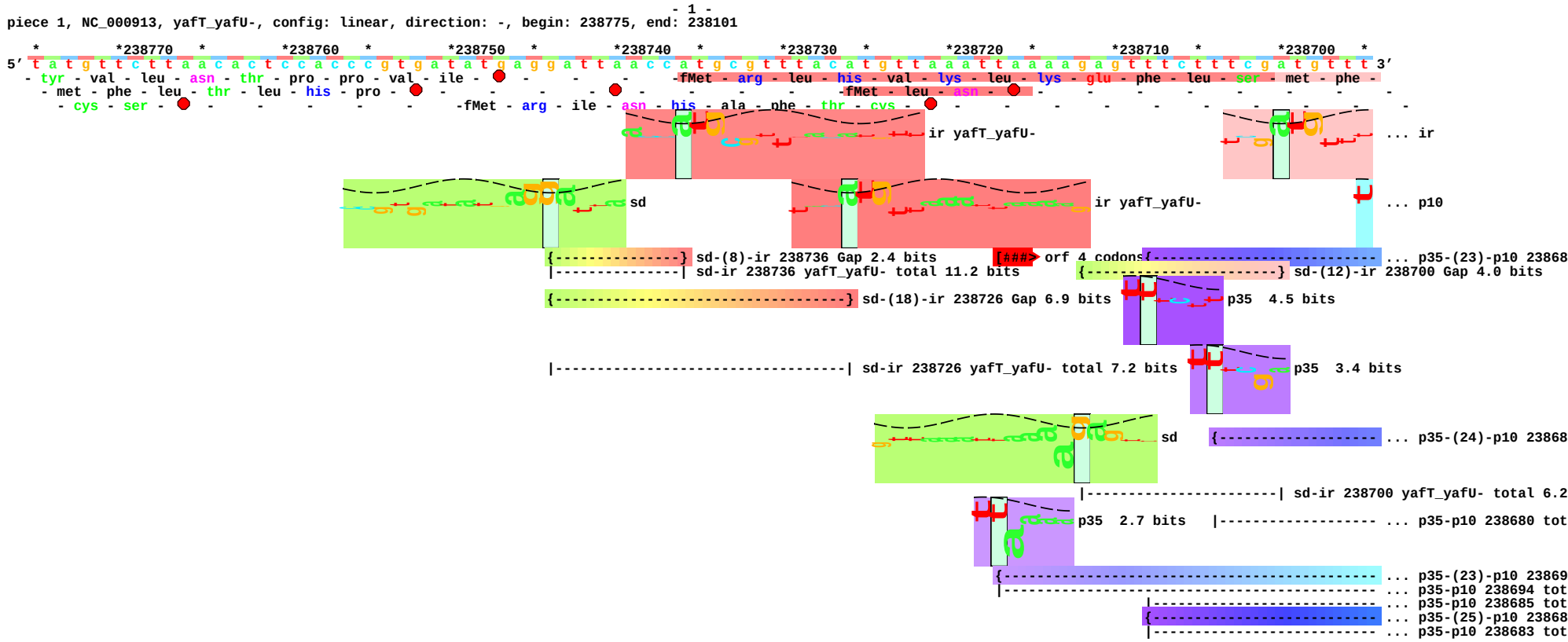
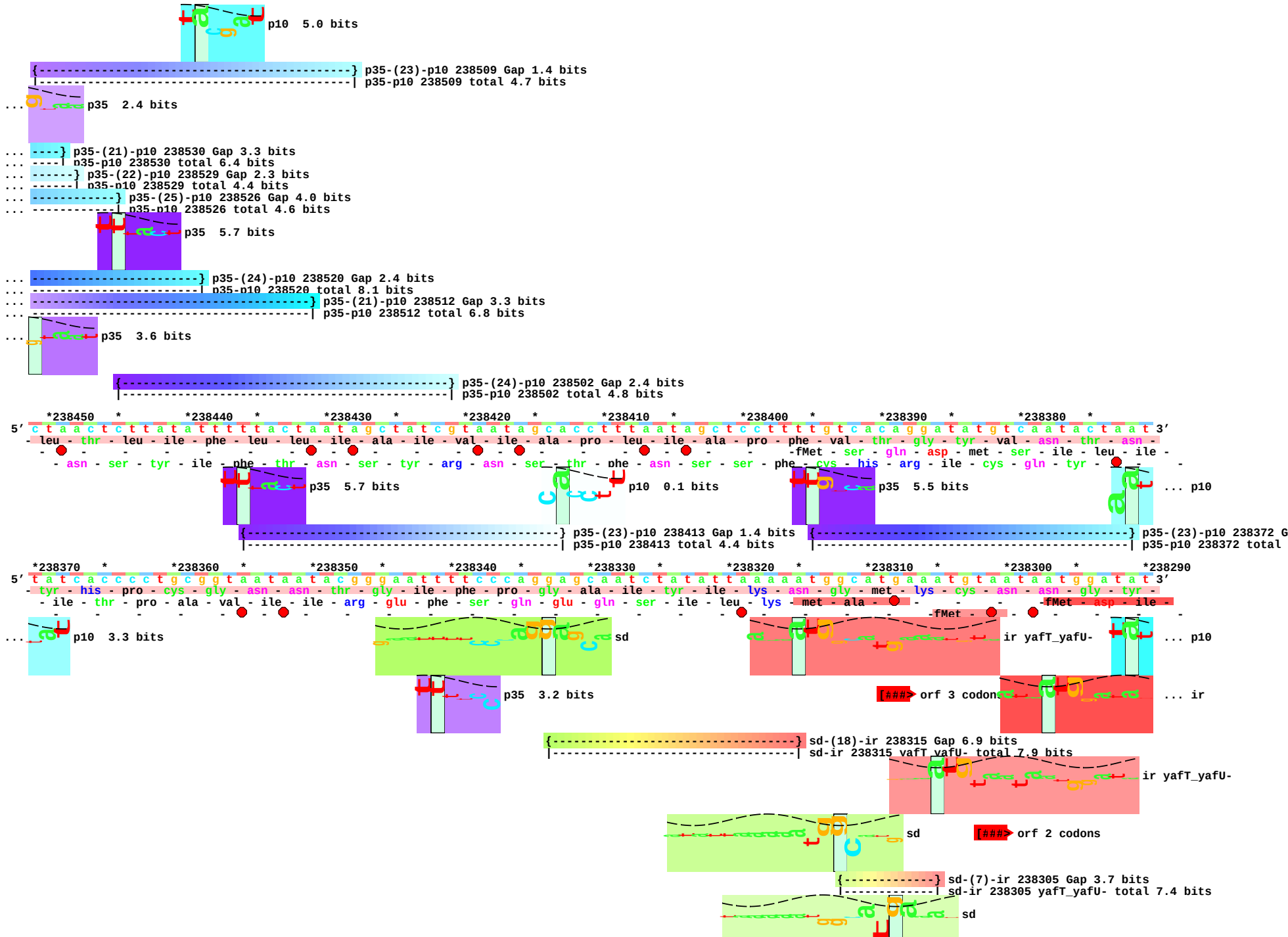
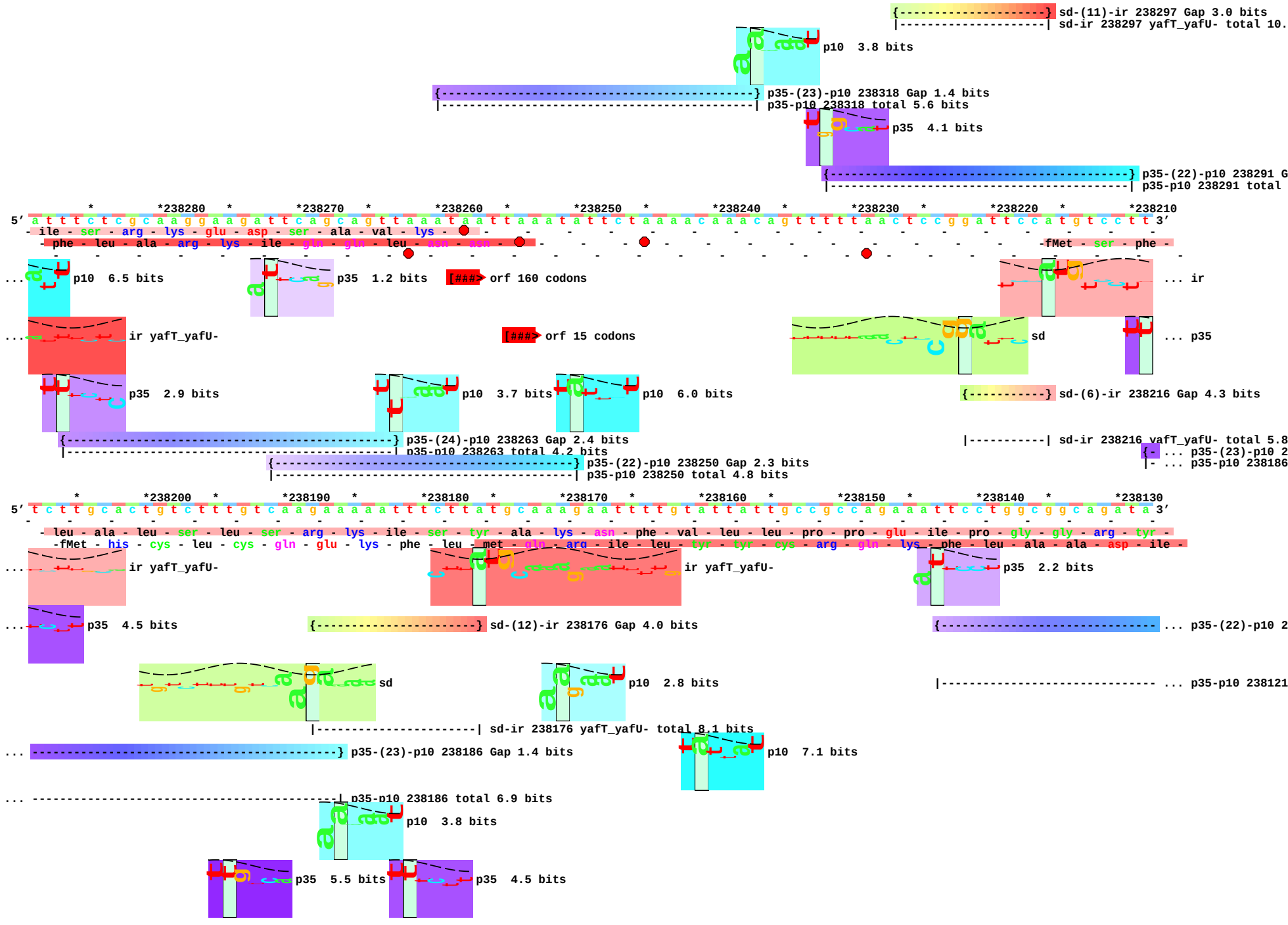
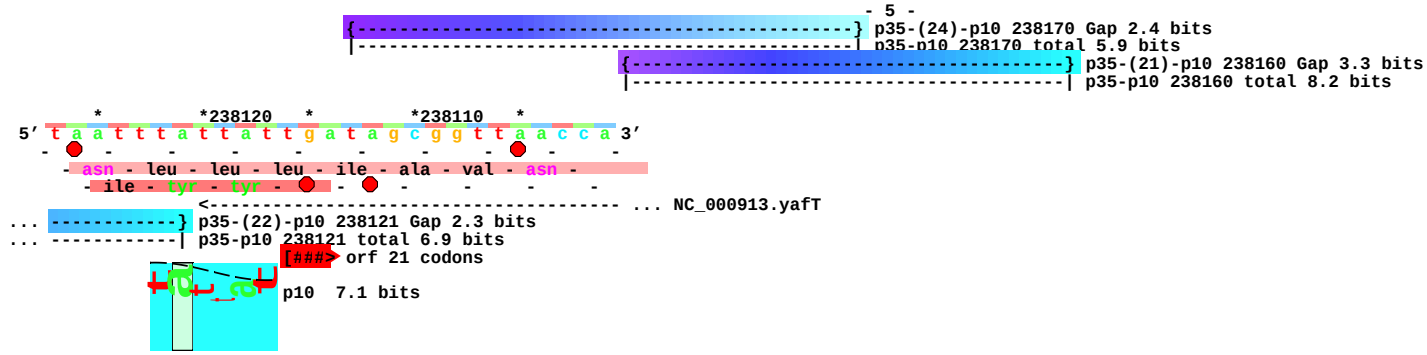
piece 1, NC_000913, yafT_yafU-, config: linear, direction: -, begin: 238775, end: 238101


*238770 *238760 *238750 *238740 *238730 *238720 *238710 *238700
5' t a t g t t c t t a a c a c t c c a c c c g t g a t a t g a g g a t t a a c c a t g c g t t t a c a t g t t a a a t t a a a a g a g t t t c t t t c g a t g t t t 3'
- tyr - val - leu - asn - thr - pro - pro - val - ile - - - - - -fMet - arg - leu - his - val - lys - leu - lys - glu - phe - leu - ser - met - phe -
- met - phe - leu - thr - leu - his - pro - - - - -

p35-(23)-p10 238666 Gap 1.4 bits
p35-p10 238680 total 6.1 bits
p35-(23)-p10 238694 Gap 1.4 bits
p35-p10 238694 total 4.4 bits
p35-p10 238685 total 6.6 bits
p35-(25)-p10 238683 Gap 4.0 bits
p35-p10 238683 total 7.5 bits
p35-p10 238666 total 5.5 bits
*238610 * *238600 * *238590 * *238580 * *238570 * *238560 * *238550 * *238540 *
5' t g c t c c a c g g a a a t a t t t t a t g a t t g g a g a a t g t t g a t t c t g t g c t t c g g t t t c a t g t c g t t t t c c t t t t t a a a t a t t c a t 3'
- cys - ser - thr - glu - ile - phe - tyr - asp - trp - arg - met - leu - ile - leu - cys - phe - gly - phe - met - ser - phe - ser - phe - leu - asn - ile - his -
fMet - ile - gly - glu - cys -
- leu - his - gly - asn - ile - leu -
fMet - glu - asn - val - asp - ser - val - leu - arg - phe - his - val - val - phe - leu - phe - lys - tyr - ser - cys -
sd
ir yafT_yafU-
[###> orf 6 codons
sd-(10)-ir 238594 Gap 2.7 bits
sd-ir 238594 yafT_yafU- total 7.6 bits
p35 5.3 bits
p10 2.5 bits
p35-(21)-p10 238541 Gap 3.3 bits
p35-p10 238541 total 4.5 bits
p10 2.7 bits
p35-(22)-p10 238540 Gap 2.3 bits
p35-p10 238540 total 5.7 bits
p35 5.3 bits
p35
p10 7.6 bits
p35-(26)-p10 238622 Gap 3.7 bits
p35-p10 238622 total 5.0 bits
p10
p35-(21)-p10 238617 Gap 3
p35-p10 238617 total 5.6
p35-(21)-p10 2
p35-p10 238530
p35-(22)-p10 2
p35-p10 238529
p35-(25)-p10 2
p35-p10 238526
p35 5.6 bits
p35-(24)-p10 2
p35-p10 238520
p35-(21)-p10 2
p35-p10 238512
p35
*238530 * *238520 * *238510 * *238500 * *238490 * *238480 * *238470 * *238460 *
5' g t a a t t t t a c t t a c g a t a a t a a a a t c a t t c t t a a t c a a a a a a a c g a a g g t a g t c a a t t t c g c c a c a g a c a t a a c a a t a c a g 3'
- val - ile - leu - leu - thr - ile - ile - lys - ser - phe - leu - ile - lys - lys - thr - lys - val - val - asn - phe - ala - thr - asp - ile - thr - ile - gln -
asn - phe - thr - tyr - asp - asn - lys - ile - ile - leu - asn - gln - lys - asn - glu - gly - ser - gln - phe - arg - his - arg - his - asn - asn - thr - ala -
p10 4.4 bits
p10 7.6 bits
p10 1.4 bits
p10 2.6 bits
p10 3.4 bits
p10 1.6 bits


p10 5.0 bits
p35-(23)-p10 238509 Gap 1.4 bits
p35-p10 238509 total 4.7 bits
p35 2.4 bits
p35-(21)-p10 238530 Gap 3.3 bits
p35-p10 238530 total 6.4 bits
p35-(22)-p10 238529 Gap 2.3 bits
p35-p10 238529 total 4.4 bits
p35-(25)-p10 238526 Gap 4.0 bits
p35-p10 238526 total 4.6 bits
p35 5.7 bits
p35-(24)-p10 238520 Gap 2.4 bits
p35-p10 238520 total 8.1 bits
p35-(21)-p10 238512 Gap 3.3 bits
p35-p10 238512 total 6.8 bits
p35 3.6 bits
p35-(24)-p10 238502 Gap 2.4 bits
p35-p10 238502 total 4.8 bits
*238450 *238440 *238430 *238420 *238410 *238400 *238390 *238380 *
5′ c t a a c t c t t a t a t t t t a c t a a t a g c t a t c g t a a t a g c a c c t t t a a t a g c t c c t t t t g t c a c a g g a t a t g t c a a t a c t a a t 3′
- leu - thr - leu - ile - phe - leu - leu - ile - ala - ile - val - ile - ala - pro - leu - ile - ala - pro - phe - val - thr - gly - tyr - val - asn - thr - asn -
-fMet - ser - gln - asp - met - ser - ile - leu - ile -
- asn - ser - tyr - ile - phe - thr - asn - ser - tyr - arg - asn - ser - thr - phe - asn - ser - ser - phe - cys - his - arg - ile - cys - gln - tyr -
p35 5.7 bits
p10 0.1 bits
p35 5.5 bits
... p10
p35-(23)-p10 238413 Gap 1.4 bits
p35-p10 238413 total 4.4 bits
p35-(23)-p10 238372 G
p35-p10 238372 total
*238370 *238360 *238350 *238340 *238330 *238320 *238310 *238300 *238290
5′ t a t c a c c c c t g c g g t a a t a a t a c g g g a a t t t t c c c a g g a g c a a t c t a t a t t a a a a a t g g c a t g a a a t g t a a t a a t g g a t a t 3′
- tyr - his - pro - cys - gly - asn - asn - thr - gly - ile - phe - pro - gly - ala - ile - tyr - ile - lys - asn - gly - met - lys - cys - asn - asn - gly - tyr -
- ile - thr - pro - ala - val - ile - ile - arg - glu - phe - ser - gln - glu - gln - ser - ile - leu - lys - met - ala -
-fMet -
-fMet - asp - ile -
p10 3.3 bits
sd
ir yafT_yafU-
... p10
p35 3.2 bits
[###> orf 3 codons
... ir
sd-(18)-ir 238315 Gap 6.9 bits
sd-ir 238315 yafT_yafU- total 7.9 bits
ir yafT_yafU-
sd
[###> orf 2 codons
sd-(7)-ir 238305 Gap 3.7 bits
sd-ir 238305 yafT_yafU- total 7.4 bits
sd


{---------} sd-(11)-ir 238297 Gap 3.0 bits
|---------| sd-ir 238297 yafT_yafU- total 10.
p10 3.8 bits
{----------} p35-(23)-p10 238318 Gap 1.4 bits
|----------| p35-p10 238318 total 5.6 bits
p35 4.1 bits
{----------} p35-(22)-p10 238291 G
|----------| p35-p10 238291 total
5' a t t t c t c g c a a g g a a g a t t c a g c a g t t a a a t a a t t a a a t a t t c t a a a a c a a a c a g t t t t t a a c t c c g g a t t c c a t g t c c t t 3'
- ile - ser - arg - lys - glu - asp - ser - ala - val - lys -
- phe - leu - ala - arg - lys - ile - gln - gln - leu - asn - asn -
-fMet - ser - phe -
p10 6.5 bits
p35 1.2 bits
[###> orf 160 codons
... ir
ir yafT_yafU-
[###> orf 15 codons
sd
... p35
p35 2.9 bits
p10 3.7 bits
p10 6.0 bits
{----------} sd-(6)-ir 238216 Gap 4.3 bits
{----------} p35-(24)-p10 238263 Gap 2.4 bits
|----------| p35-p10 238263 total 4.2 bits
|----------| sd-ir 238216 yafT_yafU- total 5.8
{- ... p35-(23)-p10 2
|- ... p35-p10 238186
{----------} p35-(22)-p10 238250 Gap 2.3 bits
|----------| p35-p10 238250 total 4.8 bits
5' t c t t g c a c t g t c t t t g t c a a g a a a a a t t t c t t a t g c a a a g a a t t t t g t a t t a t t g c c g c c a g a a a t t c c t g g c g g c a g a t a 3'
- leu - ala - leu - ser - leu - ser - arg - lys - ile - ser - tyr - ala - lys - asn - phe - val - leu - leu - pro - pro - glu - ile - pro - gly - gly - arg - tyr -
-fMet - his - cys - leu - cys - gln - glu - lys - phe - leu - met - gln - arg - ile - leu - tyr - tyr - cys - arg - gln - lys - phe - leu - ala - ala - asp - ile -
ir yafT_yafU-
ir yafT_yafU-
p35 2.2 bits
p35 4.5 bits
{----------} sd-(12)-ir 238176 Gap 4.0 bits
{---------- ... p35-(22)-p10 2
sd
p10 2.8 bits
|---------- ... p35-p10 238121
|----------| sd-ir 238176 yafT_yafU- total 8.1 bits
{----------} p35-(23)-p10 238186 Gap 1.4 bits
p10 7.1 bits
|----------| p35-p10 238186 total 6.9 bits
p10 3.8 bits
p35 5.5 bits
p35 4.5 bits


- 5 -
p35-(24)-p10 238170 Gap 2.4 bits
p35-p10 238170 total 5.9 bits
p35-(21)-p10 238160 Gap 3.3 bits
p35-p10 238160 total 8.2 bits
*238120
*238110
5’ t a a t t t a t t a t t g a t a g c g g t t a a c c a 3’
- asn - leu - leu - leu - ile - ala - val - asn -
- ile - tyr - tyr -
<---------- ... NC_000913.yafT
p35-(22)-p10 238121 Gap 2.3 bits
p35-p10 238121 total 6.9 bits
orf 21 codons
p10 7.1 bits