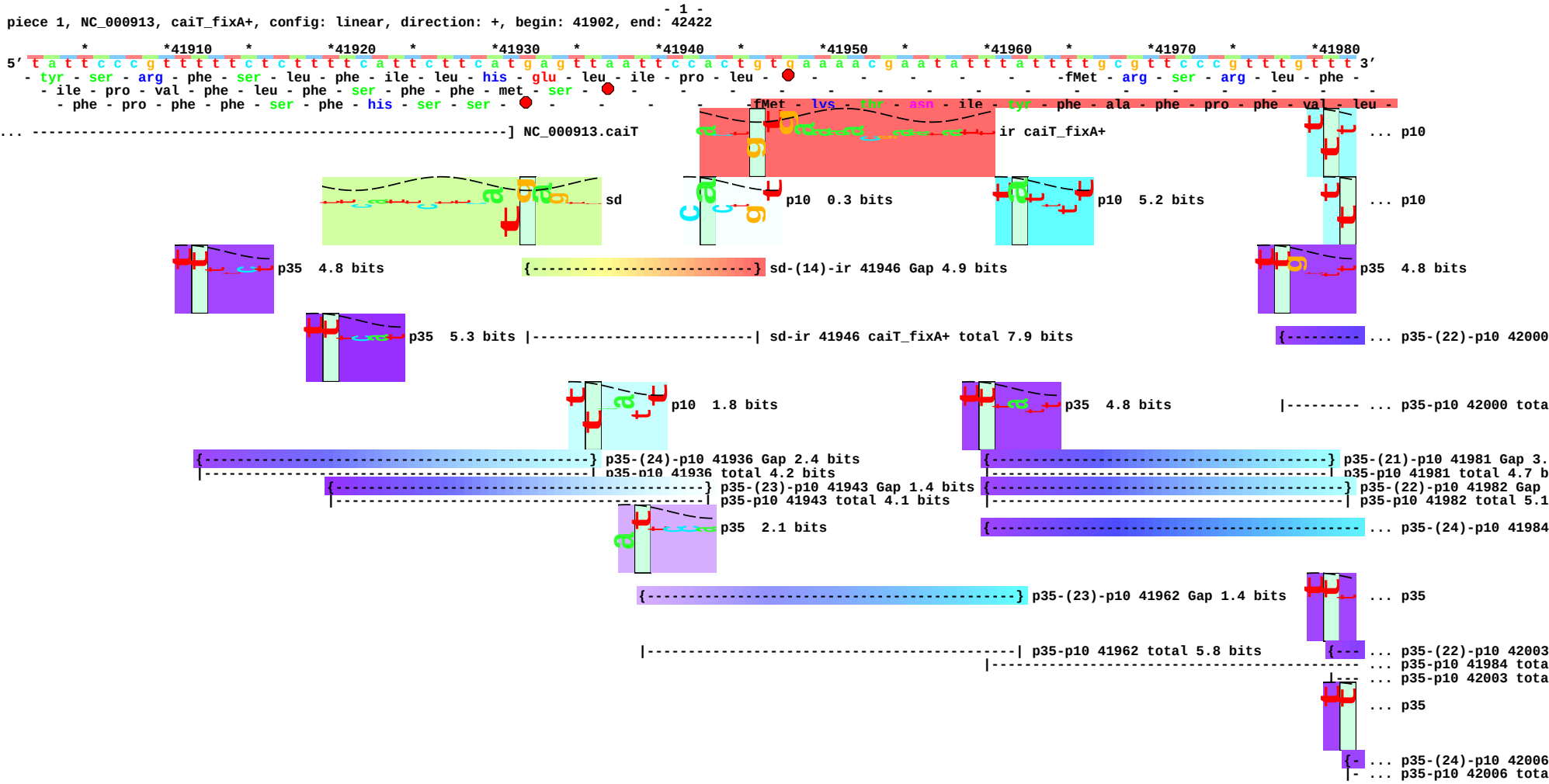
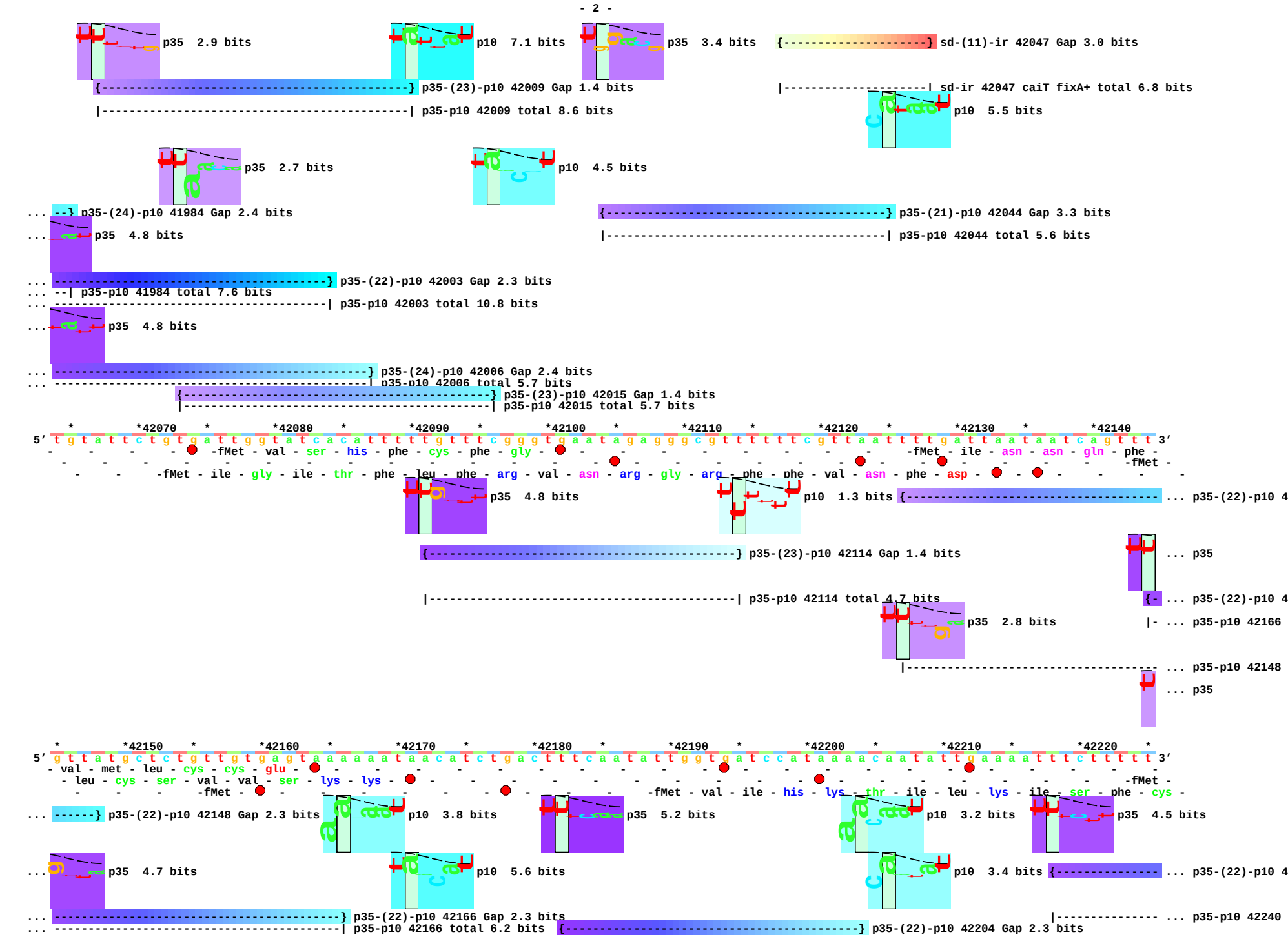
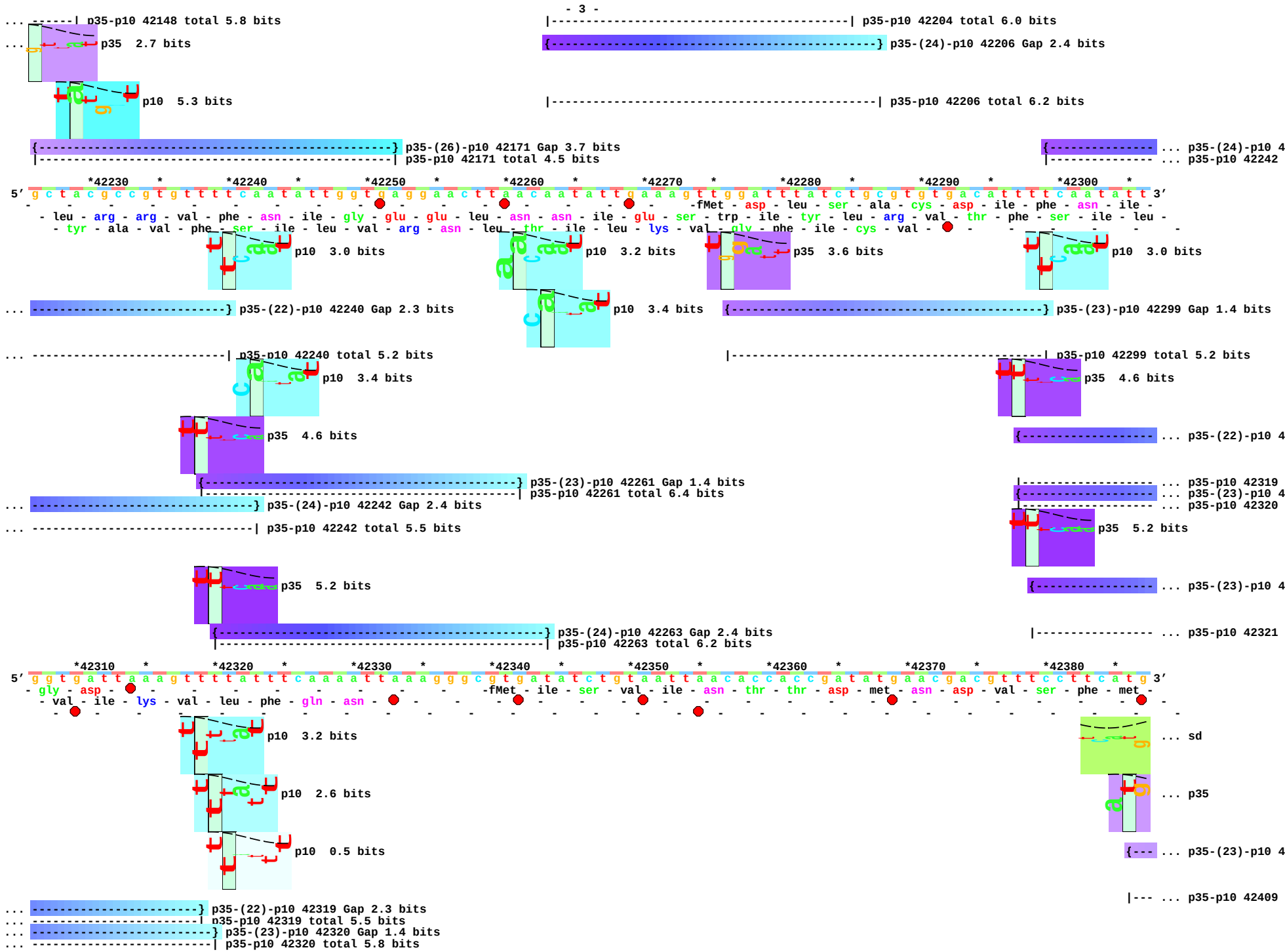
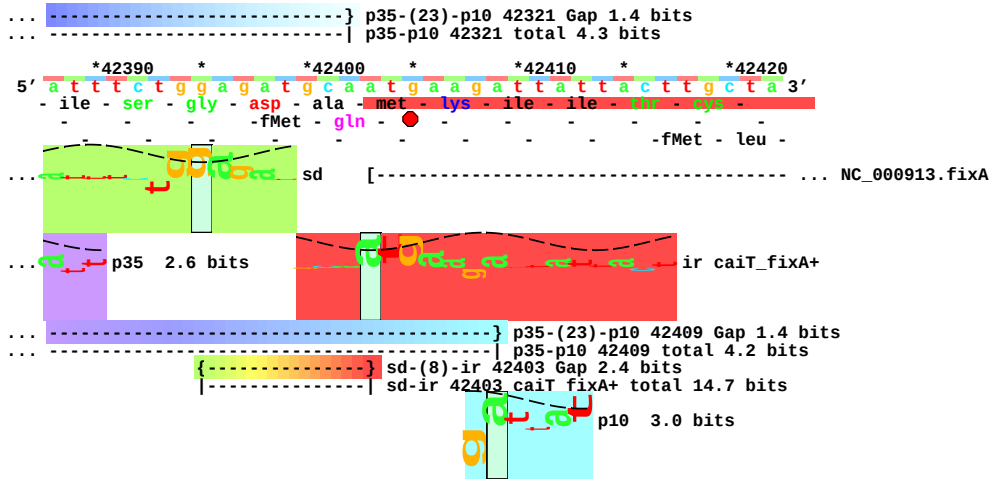
piece 1, NC_000913, caiT_fixA+, config: linear, direction: +, begin: 41902, end: 42422




p35 2.9 bits
p10 7.1 bits
p35 3.4 bits
sd-(11)-ir 42047 Gap 3.0 bits
p35-(23)-p10 42009 Gap 1.4 bits
sd-ir 42047 caiT_fixA+ total 6.8 bits
p35-p10 42009 total 8.6 bits
p10 5.5 bits
p35 2.7 bits
p10 4.5 bits
p35-(24)-p10 41984 Gap 2.4 bits
p35-(21)-p10 42044 Gap 3.3 bits
p35 4.8 bits
p35-p10 42044 total 5.6 bits
p35-(22)-p10 42003 Gap 2.3 bits
p35-p10 41984 total 7.6 bits
p35-p10 42003 total 10.8 bits
p35 4.8 bits
p35-(24)-p10 42006 Gap 2.4 bits
p35-p10 42006 total 5.7 bits
p35-(23)-p10 42015 Gap 1.4 bits
p35-p10 42015 total 5.7 bits
*42070 *42080 *42090 *42100 *42110 *42120 *42130 *42140
5′ t g t a t t c t g t g a t t g g t a t c a c a t t t t t g t t t c g g g t g a a t a g a g g g c g t t t t t t c g t t a a t t t t g a t t a a t a a t c a g t t t 3′
- - - - - - -fMet - val - ser - his - phe - cys - phe - gly - - - - -


... ------| p35-p10 42148 total 5.8 bits
... p35 2.7 bits
p10 5.3 bits
{----------} p35-(26)-p10 42171 Gap 3.7 bits
|----------| p35-p10 42171 total 4.5 bits
|----------| p35-p10 42204 total 6.0 bits
{----------} p35-(24)-p10 42206 Gap 2.4 bits
|----------| p35-p10 42206 total 6.2 bits
{---------- ... p35-(24)-p10 4
|---------- ... p35-p10 42242
*42230 *42240 *42250 *42260 *42270 *42280 *42290 *42300 *
5' g c t a c g c c g t g t t t t c a a t a t t g g t g a g g a a c t t a a c a a t a t t g a a a g t t g g a t t t a t c t g c g t g t g a c a t t t t c a a t a t t 3'
-fMet - asp - leu - ser - ala - cys - asp - ile - phe - asn - ile -
- leu - arg - arg - arg - val - phe - asn - ile - gly - glu - glu - leu - asn - asn - ile - glu - ser - trp - ile - tyr - leu - arg - val - thr - phe - ser - ile - leu -
- tyr - ala - val - phe - ser - ile - leu - val - arg - asn - leu - thr - ile - leu - lys - val - gly - phe - ile - cys - val -
p10 3.0 bits
p10 3.2 bits
p35 3.6 bits
p10 3.0 bits
... ----------} p35-(22)-p10 42240 Gap 2.3 bits
p10 3.4 bits
{----------} p35-(23)-p10 42299 Gap 1.4 bits
... ----------| p35-p10 42240 total 5.2 bits
|----------| p35-p10 42299 total 5.2 bits
p10 3.4 bits
p35 4.6 bits
p35 4.6 bits
{---------- ... p35-(22)-p10 4
{----------} p35-(23)-p10 42261 Gap 1.4 bits
|----------| p35-p10 42261 total 6.4 bits
|---------- ... p35-p10 42319
{---------- ... p35-(23)-p10 4
... ----------} p35-(24)-p10 42242 Gap 2.4 bits
|---------- ... p35-p10 42320
... ----------| p35-p10 42242 total 5.5 bits
p35 5.2 bits
p35 5.2 bits
{---------- ... p35-(23)-p10 4
{----------} p35-(24)-p10 42263 Gap 2.4 bits
|----------| p35-p10 42263 total 6.2 bits
|---------- ... p35-p10 42321
*42310 *42320 *42330 *42340 *42350 *42360 *42370 *42380 *
5' g g t g a t t a a a g t t t t a t t t c a a a a t t a a a g g g c g t g a t a t c t g t a a t t a a c a c c a c c g a t a t g a a c g a c g t t t c c t t c a t g 3'
-fMet - ile - ser - val - ile - asn - thr - thr - asp - met - asn - asp - val - ser - phe - met -
- gly - asp -
- val - ile - lys - val - leu - phe - gln - asn -
p10 3.2 bits
p10 2.6 bits
p10 0.5 bits
... sd
... p35
{--- ... p35-(23)-p10 4
|--- ... p35-p10 42409
... ----------} p35-(22)-p10 42319 Gap 2.3 bits
... ----------| p35-p10 42319 total 5.5 bits
... ----------} p35-(23)-p10 42320 Gap 1.4 bits
... ----------| p35-p10 42320 total 5.8 bits


... ----------} p35-(23)-p10 42321 Gap 1.4 bits
... ----------| p35-p10 42321 total 4.3 bits
*42390 * *42400 * *42410 * *42420
5′ a t t t c t g g a g a t g c a a t g a a g a t t a t t a c t t g c t a 3′
- ile - ser - gly - asp - ala - met - lys - ile - ile - thr - cys -
-fMet - gln - leu - fMet - leu -
... sd [---------- ... NC_000913.fixA
... p35 2.6 bits ir caiT_fixA+
... ----------} p35-(23)-p10 42409 Gap 1.4 bits
... ----------| p35-p10 42409 total 4.2 bits
{----------} sd-(8)-ir 42403 Gap 2.4 bits
|----------| sd-ir 42403 caiT_fixA+ total 14.7 bits
p10 3.0 bits