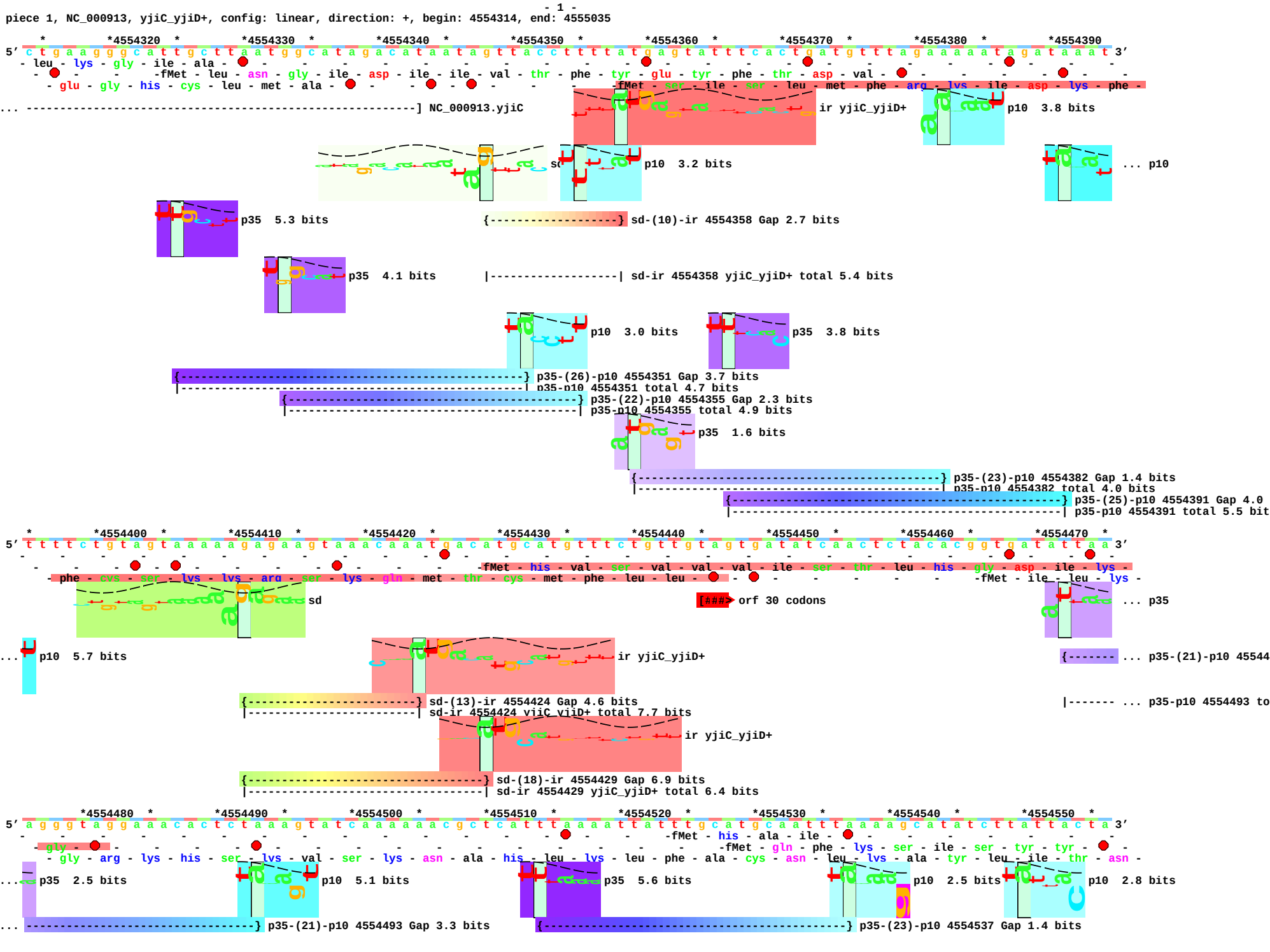
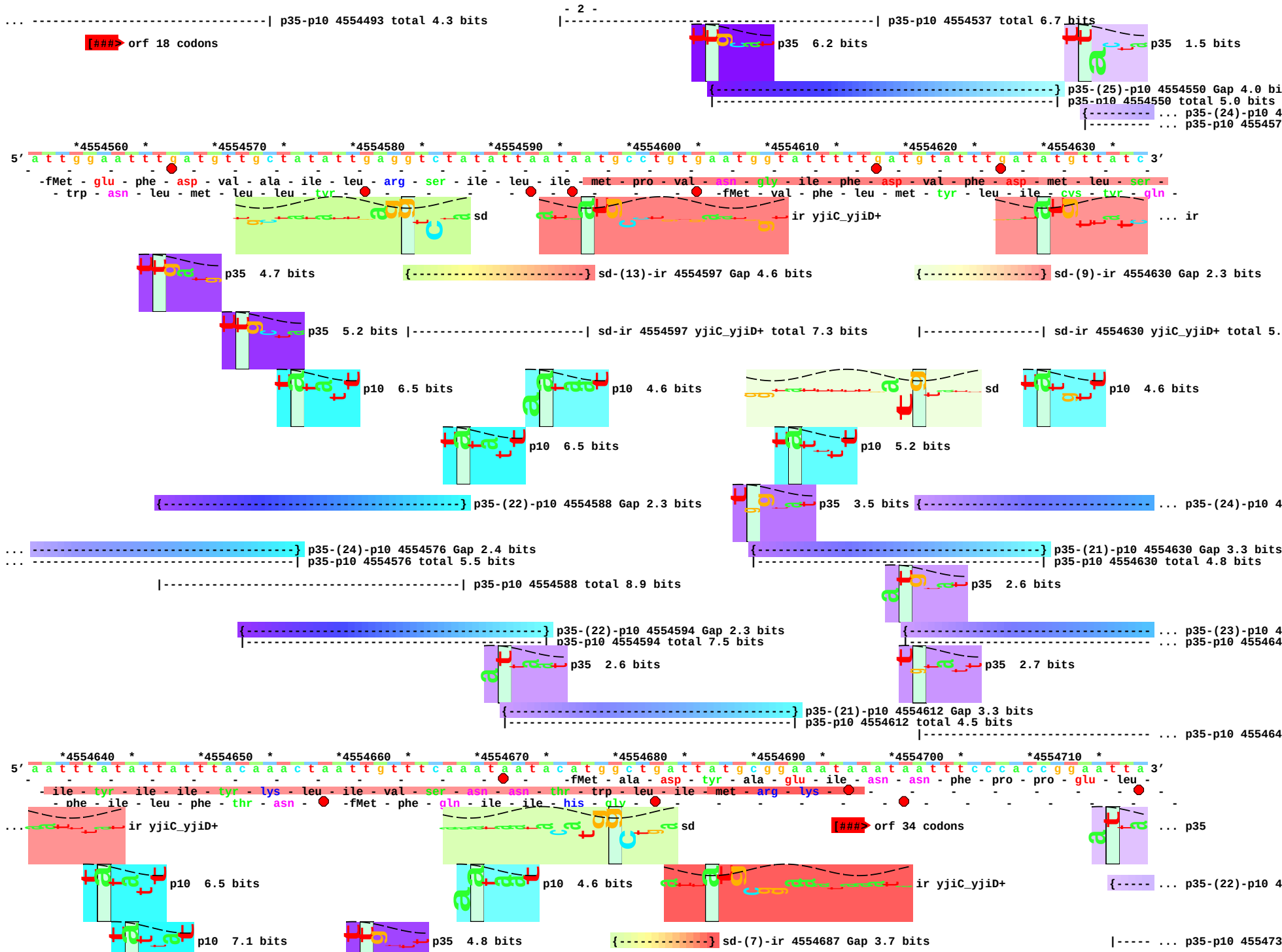
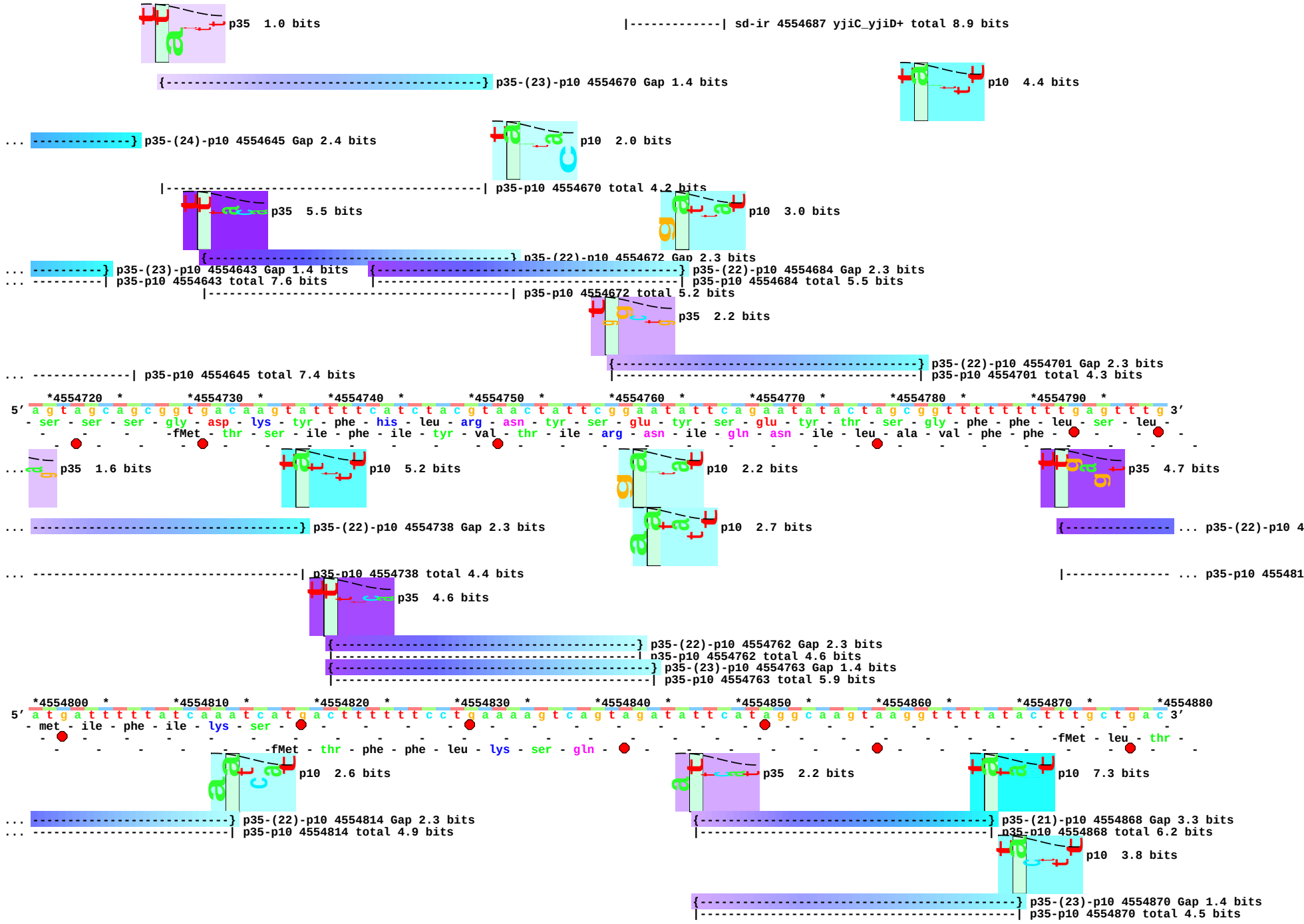
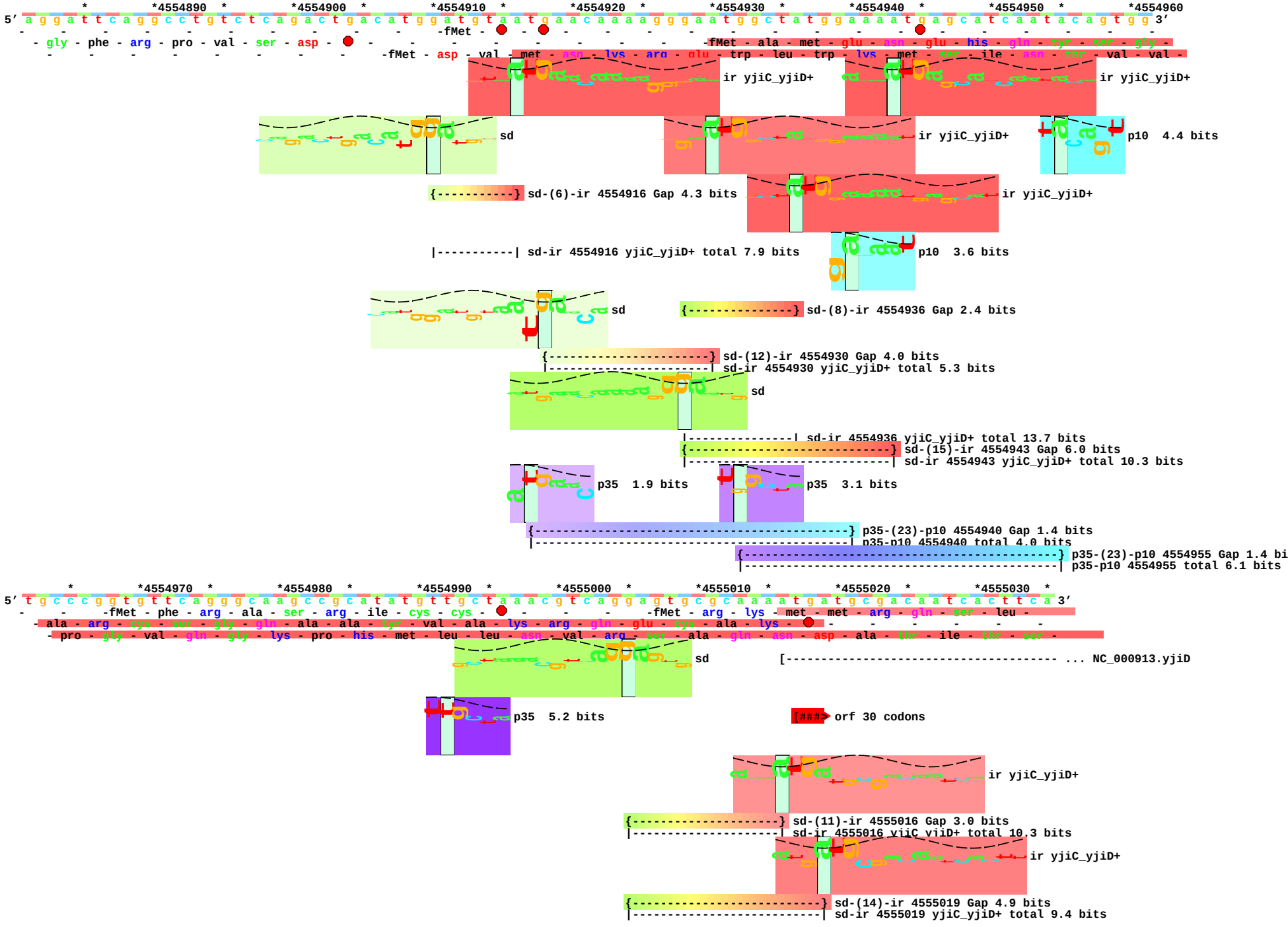
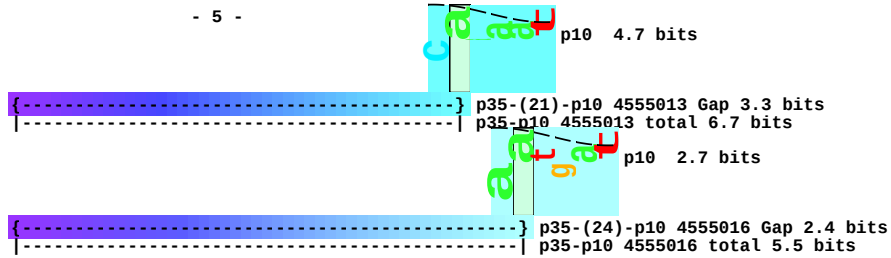

piece 1, NC_000913, yjiC_yjiD+, config: linear, direction: +, begin: 4554314, end: 4555035
*4554320 *4554330 *4554340 *4554350 *4554360 *4554370 *4554380 *4554390
5′ c t g a a g g c a t t g c t t a a t g c a t a g a c a t a a t a g t t a c c t t t t a t g a g t a t t t c a c t g a t g t t t a g a a a a a t a g a t a a a t 3′
- leu - lys - gly - ile - ala -
-fMet - leu - asn - gly - ile - asp - ile - ile - val - thr - phe - tyr - glu - tyr - phe - thr - asp - val -
- glu - gly - his - cys - leu - met - ala -
-fMet - ser - ile - ser - leu - met - phe - arg - lys - ile - asp - lys - phe -
... ----------] NC_000913.yjiC
ir yjiC_yjiD+
p10 3.8 bits
sd
p10 3.2 bits
... p10
p35 5.3 bits
{----------} sd-(10)-ir 4554358 Gap 2.7 bits
p35 4.1 bits
|----------| sd-ir 4554358 yjiC_yjiD+ total 5.4 bits
p10 3.0 bits
p35 3.8 bits
{----------} p35-(26)-p10 4554351 Gap 3.7 bits
|----------| p35-p10 4554351 total 4.7 bits
{----------} p35-(22)-p10 4554355 Gap 2.3 bits
|----------| p35-p10 4554355 total 4.9 bits
p35 1.6 bits
{----------} p35-(23)-p10 4554382 Gap 1.4 bits
|----------| p35-p10 4554382 total 4.0 bits
{----------} p35-(25)-p10 4554391 Gap 4.0
|----------| p35-p10 4554391 total 5.5 bit
*4554400 *4554410 *4554420 *4554430 *4554440 *4554450 *4554460 *4554470
5′ t t t t c t g t a g t a a a a a g a g a a g t a a a c a a a t g a c a t g c a t g t t t c t g t t g t a g t g a t a t c a a c t c t a c a c g g t g a t a t t a a 3′
-fMet - his - val - ser - val - val - val - ile - ser - thr - leu - his - gly - asp - ile - lys -
- phe - cys - ser - lys - lys - arg - ser - lys - gln - met - thr - cys - met - phe - leu - leu -
-fMet - ile - leu - lys -
sd
[###> orf 30 codons
... p35
... p10 5.7 bits
ir yjiC_yjiD+
{------- ... p35-(21)-p10 45544
{----------} sd-(13)-ir 4554424 Gap 4.6 bits
|----------| sd-ir 4554424 yjiC_yjiD+ total 7.7 bits
|------- ... p35-p10 4554493 to
ir yjiC_yjiD+
{----------} sd-(18)-ir 4554429 Gap 6.9 bits
|----------| sd-ir 4554429 yjiC_yjiD+ total 6.4 bits
*4554480 *4554490 *4554500 *4554510 *4554520 *4554530 *4554540 *4554550
5′ a g g g t a g g a a a a c a c t c t a a a g t a t c a a a a a a c g c t c a t t t a a a a t t a t t t g c a t g c a a t t t a a a a g c a t a t c t t a t t a c t a 3′
-fMet - his - ala - ile -
-gly -
-fMet - gln - phe - lys - ser - ile - ser - tyr - tyr -
- gly - arg - lys - his - ser - lys - val - ser - lys - asn - ala - his - leu - lys - leu - phe - ala - cys - asn - leu - lys - ala - tyr - leu - ile - thr - asn -
...
p35 2.5 bits
p10 5.1 bits
p35 5.6 bits
p10 2.5 bits
p10 2.8 bits
... {----------} p35-(21)-p10 4554493 Gap 3.3 bits
{----------} p35-(23)-p10 4554537 Gap 1.4 bits


... ----------| p35-p10 4554493 total 4.3 bits
[###> orf 18 codons
|----------| p35-p10 4554537 total 6.7 bits
p35 6.2 bits
p35 1.5 bits
{----------} p35-(25)-p10 4554550 Gap 4.0 bi
|----------| p35-p10 4554550 total 5.0 bits
{--------- ... p35-(24)-p10 4
|--------- ... p35-p10 455457
*4554560 * *4554570 * *4554580 * *4554590 * *4554600 * *4554610 * *4554620 * *4554630 *
5' a t t g g a a t t t g a t g t t g c t a t a t t g a g g t c t a t a t t a a t a a t g c c t g t g a a t g g t a t t t t t g a t g t a t t t g a t a t g t t a t c 3'
-fMet - glu - phe - asp - val - ala - ile - leu - arg - ser - ile - leu - ile - met - pro - val - asn - gly - ile - phe - asp - val - phe - asp - met - leu - ser -
- trp - asn - leu - met - leu - leu - tyr - -fMet - val - phe - leu - met - tyr - leu - ile - cys - tyr - gln -
sd
ir yjiC_yjiD+
... ir
p35 4.7 bits
{----------} sd-(13)-ir 4554597 Gap 4.6 bits
{----------} sd-(9)-ir 4554630 Gap 2.3 bits
p35 5.2 bits |----------| sd-ir 4554597 yjiC_yjiD+ total 7.3 bits
|----------| sd-ir 4554630 yjiC_yjiD+ total 5.
p10 6.5 bits
p10 4.6 bits
sd
p10 4.6 bits
p10 6.5 bits
p10 5.2 bits
{----------} p35-(22)-p10 4554588 Gap 2.3 bits
p35 3.5 bits {---------- ... p35-(24)-p10 4
... ----------} p35-(24)-p10 4554576 Gap 2.4 bits
... ----------| p35-p10 4554576 total 5.5 bits
{----------} p35-(21)-p10 4554630 Gap 3.3 bits
|----------| p35-p10 4554630 total 4.8 bits
|----------| p35-p10 4554588 total 8.9 bits
p35 2.6 bits
{----------} p35-(22)-p10 4554594 Gap 2.3 bits
|----------| p35-p10 4554594 total 7.5 bits
{---------- ... p35-(23)-p10 4
|---------- ... p35-p10 455464
p35 2.6 bits
p35 2.7 bits
{----------} p35-(21)-p10 4554612 Gap 3.3 bits
|----------| p35-p10 4554612 total 4.5 bits
|---------- ... p35-p10 455464
*4554640 * *4554650 * *4554660 * *4554670 * *4554680 * *4554690 * *4554700 * *4554710 *
5' a a t t t a t a t t a t t t a c a a a c t a a t t g t t t c a a a t a a t a c a t g g c t g a t t a t g c g g a a a t a a a t a t t t c c c a c c g g a a t t a 3'
-fMet - ala - asp - tyr - ala - glu - ile - asn - asn - phe - pro - pro - glu - leu -
- ile - tyr - ile - ile - tyr - lys - leu - ile - val - ser - asn - asn - thr - trp - leu - ile - met - arg - lys -
- phe - ile - leu - phe - thr - asn - -fMet - phe - gln - ile - ile - his - gly -
... ir yjiC_yjiD+
sd
[###> orf 34 codons
... p35
p10 6.5 bits
p10 4.6 bits
ir yjiC_yjiD+
{----- ... p35-(22)-p10 4
p10 7.1 bits
p35 4.8 bits
{----------} sd-(7)-ir 4554687 Gap 3.7 bits
|----- ... p35-p10 455473


p35 1.0 bits
|------------| sd-ir 4554687 yjiC_yjiD+ total 8.9 bits
{----------} p35-(23)-p10 4554670 Gap 1.4 bits
p10 4.4 bits
... ----------} p35-(24)-p10 4554645 Gap 2.4 bits
p10 2.0 bits
|----------| p35-p10 4554670 total 4.2 bits
p35 5.5 bits
p10 3.0 bits
{----------} p35-(22)-p10 4554672 Gap 2.3 bits
... ----------} p35-(23)-p10 4554643 Gap 1.4 bits
{----------} p35-(22)-p10 4554684 Gap 2.3 bits
... ----------| p35-p10 4554643 total 7.6 bits
|----------| p35-p10 4554684 total 5.5 bits
|----------| p35-p10 4554672 total 5.2 bits
p35 2.2 bits
{----------} p35-(22)-p10 4554701 Gap 2.3 bits
... ----------| p35-p10 4554645 total 7.4 bits
|----------| p35-p10 4554701 total 4.3 bits
*4554720 *4554730 *4554740 *4554750 *4554760 *4554770 *4554780 *4554790 *
5' a g t a g c a g c g g t g a c a a g t a t t t t c a t c t a c g t a a c t a t t c g g a a t a t t c a g a a t a t a c t a g c g g t t t t t t t t t g a g t t t g 3'
- ser - ser - ser - gly - asp - lys - tyr - phe - his - leu - arg - asn - tyr - ser - glu - tyr - ser - glu - tyr - thr - ser - gly - phe - phe - leu - ser - leu -
- - - -fMet - thr - ser - ile - phe - ile - tyr - val - thr - ile - arg - asn - ile - gln - asn - ile - leu - ala - val - phe - phe - - - - -
...a p35 1.6 bits
p10 5.2 bits
p10 2.2 bits
p35 4.7 bits
... ----------} p35-(22)-p10 4554738 Gap 2.3 bits
p10 2.7 bits
{---------- ... p35-(22)-p10 4
... ----------| p35-p10 4554738 total 4.4 bits
|---------- ... p35-p10 455481
p35 4.6 bits
{----------} p35-(22)-p10 4554762 Gap 2.3 bits
|----------| p35-p10 4554762 total 4.6 bits
{----------} p35-(23)-p10 4554763 Gap 1.4 bits
|----------| p35-p10 4554763 total 5.9 bits
*4554800 *4554810 *4554820 *4554830 *4554840 *4554850 *4554860 *4554870 *4554880
5' a t g a t t t t t a t c a a a t c a t g a c t t t t t t c c t g a a a a g t c a g t a g a t a t t c a t a g g c a a g t a a g g t t t t a t a c t t t g c t g a c 3'
- met - ile - phe - ile - lys - ser - - - -


*4554890 *4554900 *4554910 *4554920 *4554930 *4554940 *4554950 *4554960
5′ a g g a t t c a g g c c t g t c t c a g a c t g a c a t g g a t g t a a t g a a c a a a a g g g a a t g g c t a t g g a a a a t g a g c a t c a a t a c a g t g g 3′
- - - -


p10 4.7 bits
{ p35-(21)-p10 4555013 Gap 3.3 bits
| p35-p10 4555013 total 6.7 bits
p10 2.7 bits
{ p35-(24)-p10 4555016 Gap 2.4 bits
| p35-p10 4555016 total 5.5 bits