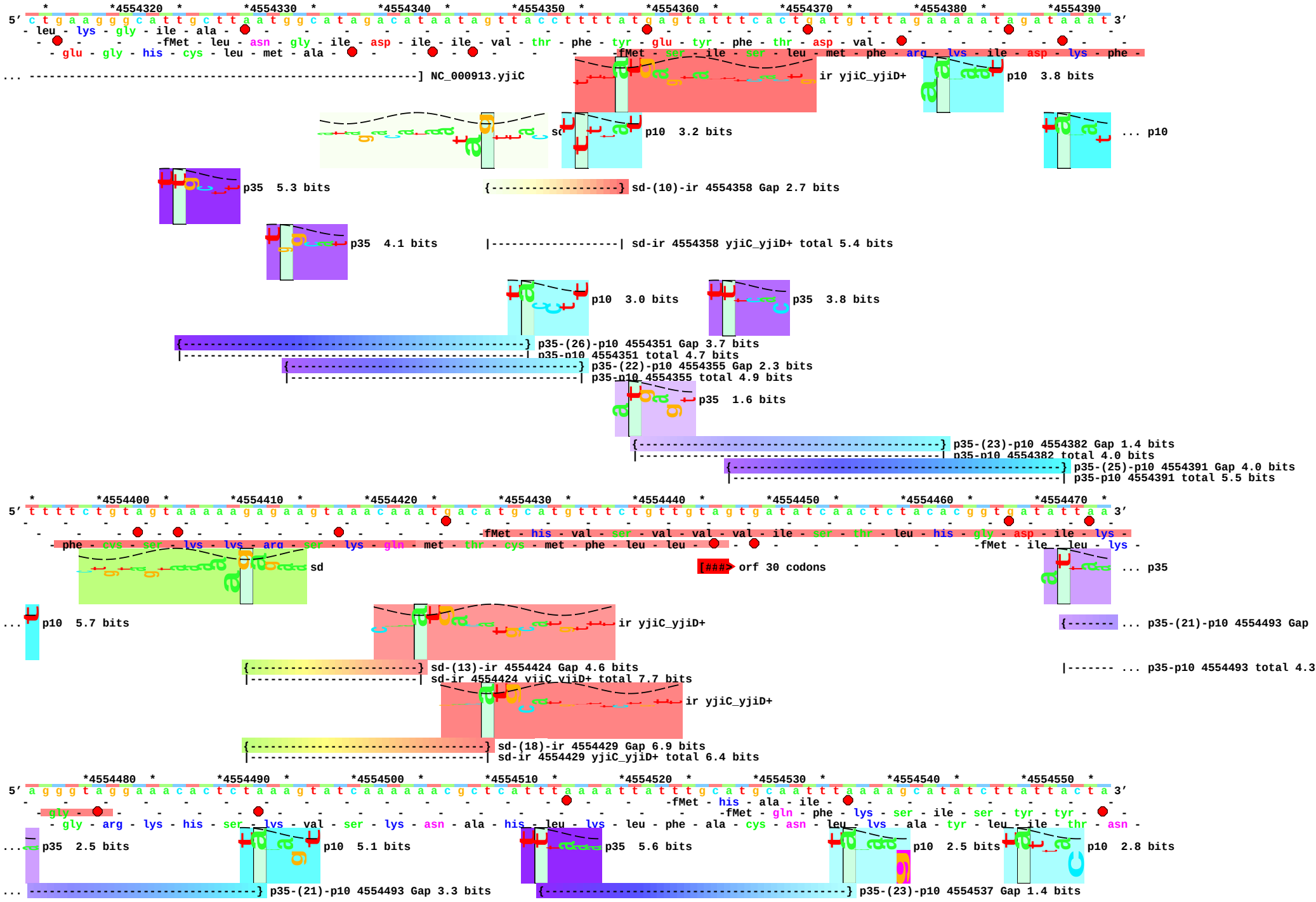
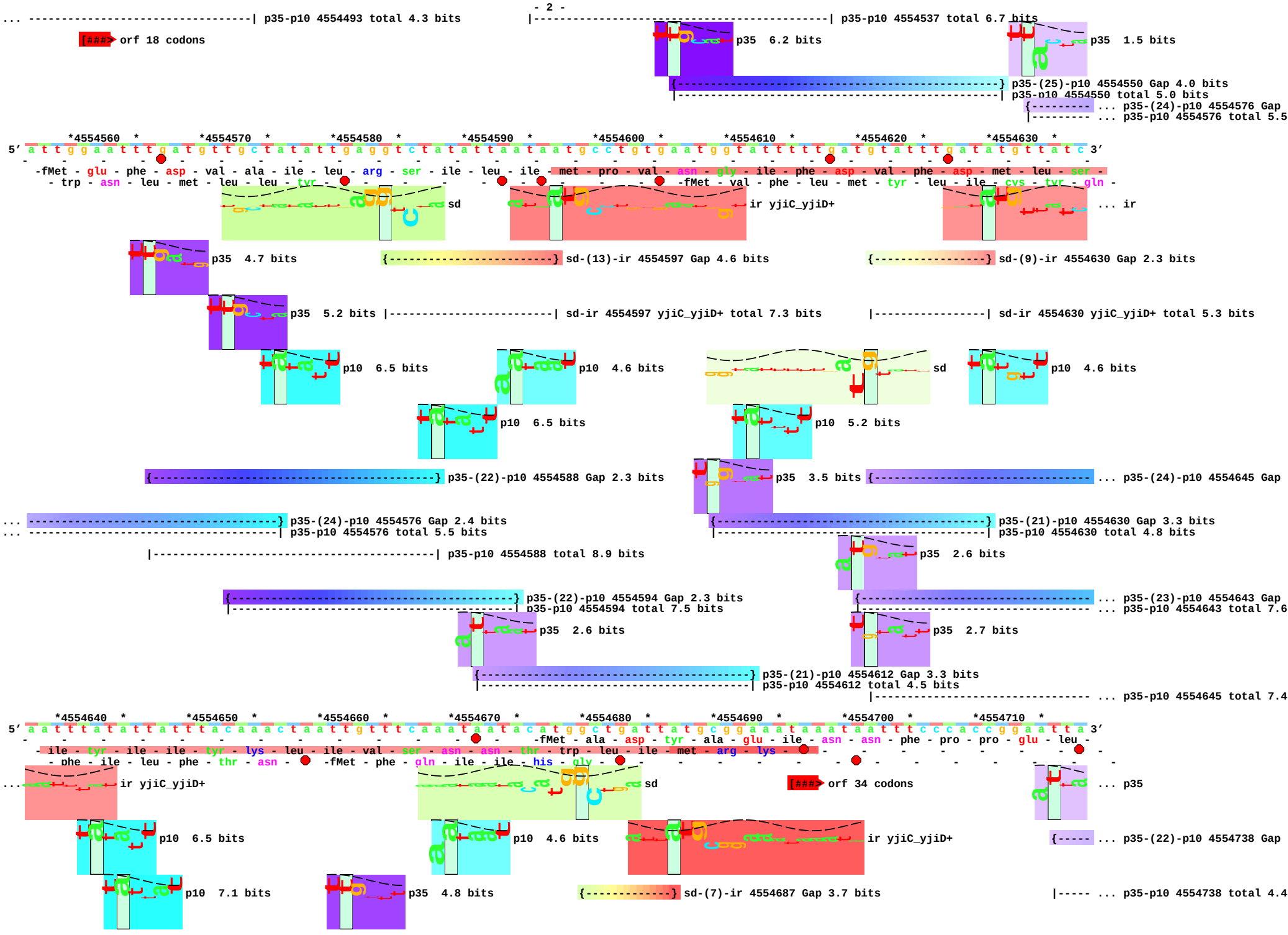
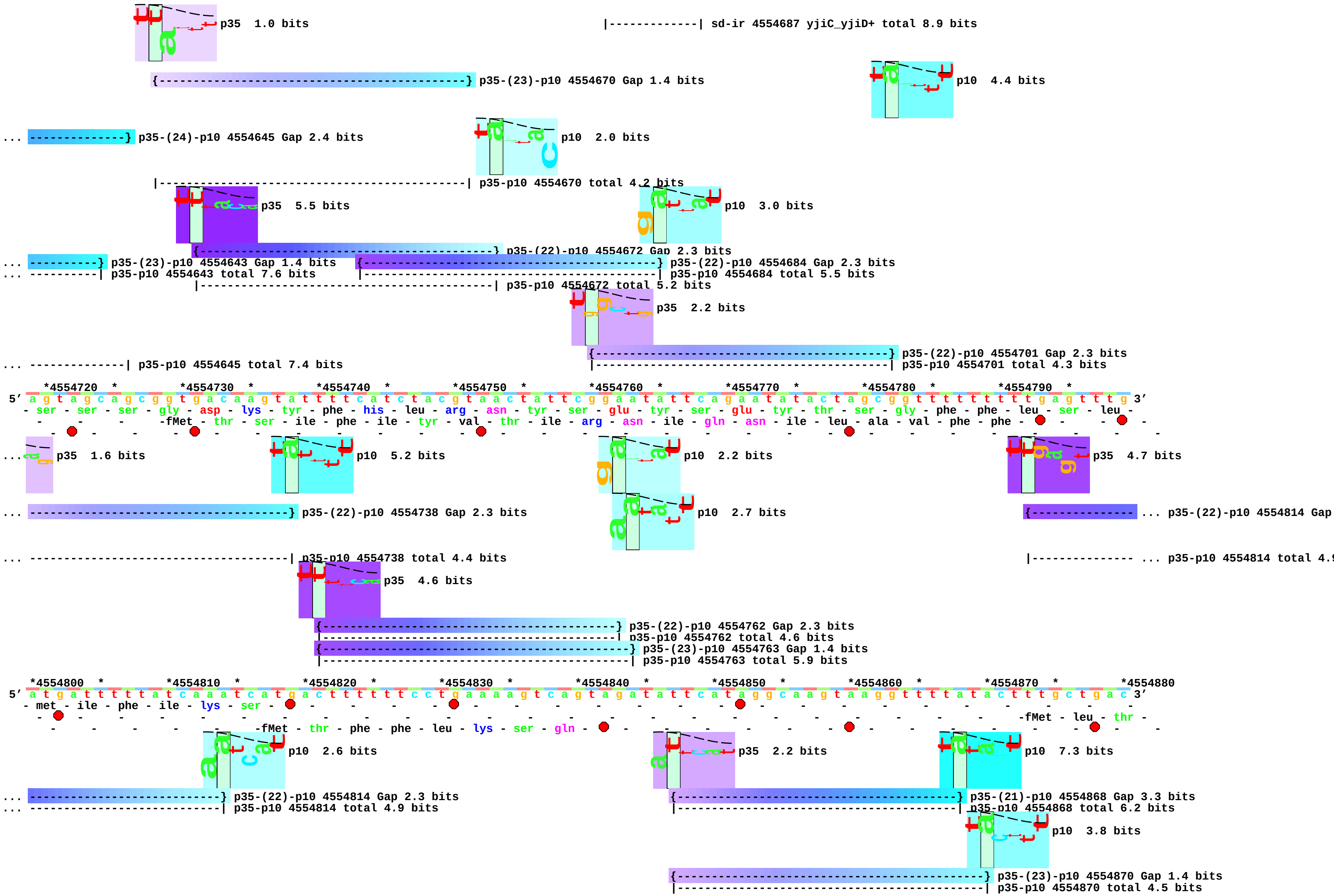
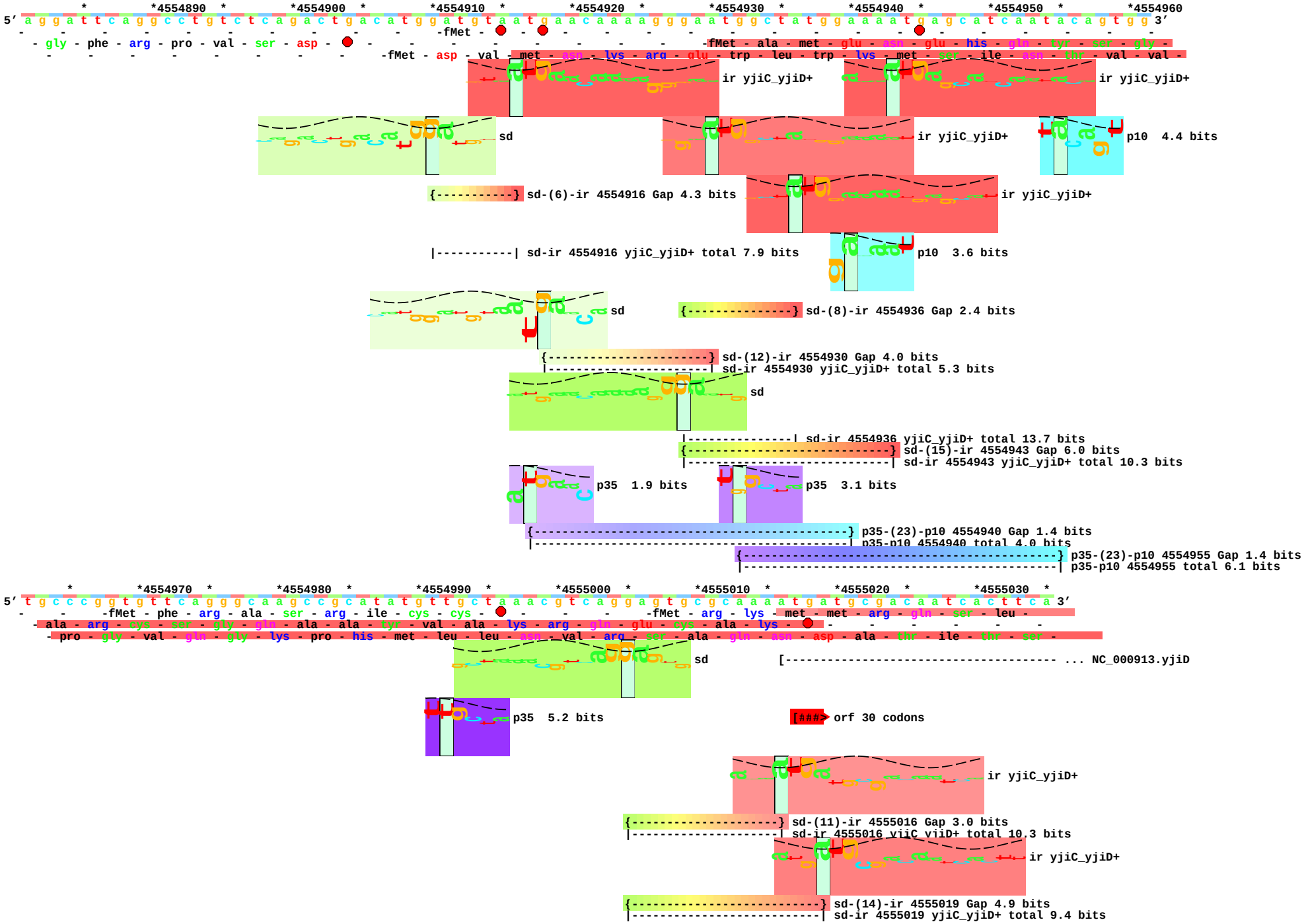
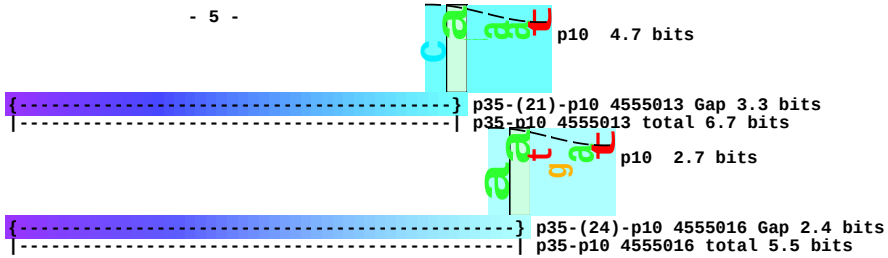
piece 1, NC_000913, yjiC_yjiD+, config: linear, direction: +, begin: 4554314, end: 4555035




... ----------| 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 bits
|----------| p35-p10 4554550 total 5.0 bits
{--------- ... p35-(24)-p10 4554576 Gap
|--------- ... p35-p10 4554576 total 5.5
*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 5.3 bits
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 4554645 Gap
... ----------} 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 4554643 Gap
|---------- ... p35-p10 4554643 total 7.6
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 4554645 total 7.4
*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 4554738 Gap
p10 7.1 bits
p35 4.8 bits
{----------} sd-(7)-ir 4554687 Gap 3.7 bits
|----- ... p35-p10 4554738 total 4.4


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 -
... 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 4554814 Gap
... p35-p10 4554738 total 4.4 bits
... p35-p10 4554814 total 4.9
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 -
-fMet - leu - thr -
-fMet - thr - phe - phe - leu - lys - ser - gln -
p10 2.6 bits
p35 2.2 bits
p10 7.3 bits
... p35-(22)-p10 4554814 Gap 2.3 bits
p35-(21)-p10 4554868 Gap 3.3 bits
... p35-p10 4554814 total 4.9 bits
p35-p10 4554868 total 6.2 bits
p10 3.8 bits
p35-(23)-p10 4554870 Gap 1.4 bits
p35-p10 4554870 total 4.5 bits


*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′
- gly - phe - arg - pro - val - ser - asp - -fMet - fMet - ala - met - glu - asn - glu - his - gln - tyr - ser - gly -
-fMet - asp - val - met - asn - lys - arg - glu - trp - leu - trp - lys - met - ser - ile - asn - thr - val - val -
ir yjiC_yjiD+
ir yjiC_yjiD+
sd
ir yjiC_yjiD+
p10 4.4 bits
sd-(6)-ir 4554916 Gap 4.3 bits
ir yjiC_yjiD+
sd-ir 4554916 yjiC_yjiD+ total 7.9 bits
p10 3.6 bits
sd
sd-(8)-ir 4554936 Gap 2.4 bits
sd-(12)-ir 4554930 Gap 4.0 bits
sd-ir 4554930 yjiC_yjiD+ total 5.3 bits
sd
sd-ir 4554936 yjiC_yjiD+ total 13.7 bits
sd-(15)-ir 4554943 Gap 6.0 bits
sd-ir 4554943 yjiC_yjiD+ total 10.3 bits
p35 1.9 bits
p35 3.1 bits
p35-(23)-p10 4554940 Gap 1.4 bits
p35-p10 4554940 total 4.0 bits
p35-(23)-p10 4554955 Gap 1.4 bits
p35-p10 4554955 total 6.1 bits
*4554970 *4554980 *4554990 *4555000 *4555010 *4555020 *4555030
5′ t g c c c g g t g t t c a g g g c a a g c c g c a t a t g t t g c t a a a c g t c a g g a g t g c g c a a a a t g a t g c g a c a a a t c a c t t c a 3′
-fMet - phe - arg - ala - ser - arg - ile - cys - cys - -fMet - arg - lys - met - met - arg - gln - ser - leu -
- ala - arg - cys - ser - gly - gln - ala - ala - tyr - val - ala - lys - arg - gln - glu - cys - ala - lys -
- pro - gly - val - gln - gly - lys - pro - his - met - leu - leu - asn - val - arg - ser - ala - gln - asn - asp - ala - thr - ile - thr - ser -
sd
[---------- ... NC_000913.yjiD
p35 5.2 bits
[###> orf 30 codons
ir yjiC_yjiD+
sd-(11)-ir 4555016 Gap 3.0 bits
sd-ir 4555016 yjiC_yjiD+ total 10.3 bits
ir yjiC_yjiD+
sd-(14)-ir 4555019 Gap 4.9 bits
sd-ir 4555019 yjiC_yjiD+ total 9.4 bits


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