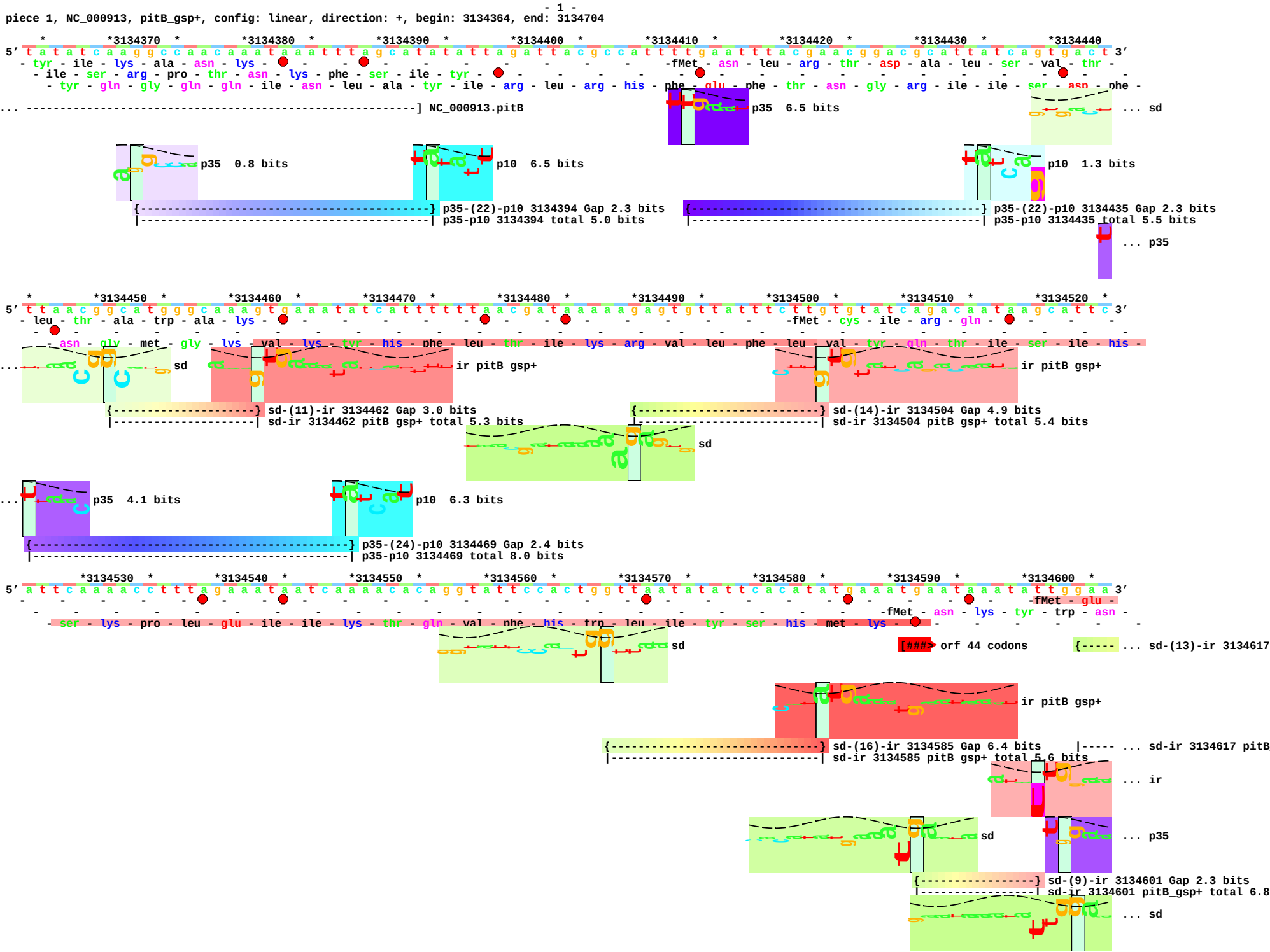
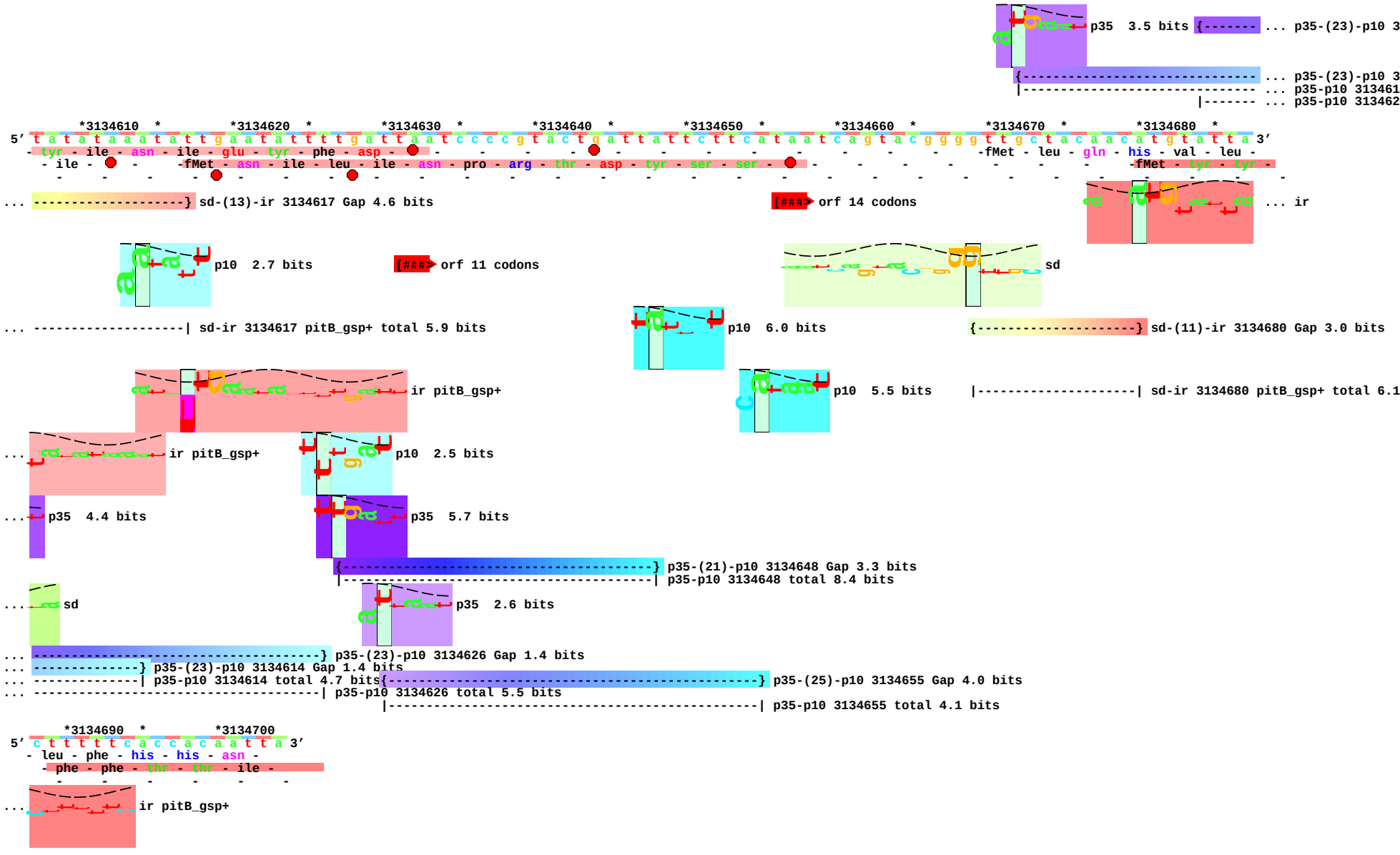

piece 1, NC_000913, pitB_gsp+, config: linear, direction: +, begin: 3134364, end: 3134704
*3134370 *3134380 *3134390 *3134400 *3134410 *3134420 *3134430 *3134440
5′ t a t a t c a a g g c c a a c a a a t a a a t t t a g c a t a t a t t a g a t t a c g c c a t t t t g a a t t t a c g a a c g g a c g c a t t a t c a g t g a c t 3′
- tyr - ile - lys - ala - asn - lys - -fMet - asn - leu - arg - thr - asp - ala - leu - ser - val - thr -
- ile - ser - arg - pro - thr - asn - lys - phe - ser - ile - tyr - tyr - gln - gly - gln - gln - ile - asn - leu - ala - tyr - ile - arg - leu - arg - his - phe - glu - phe - thr - asn - gly - arg - ile - ile - ser - asn - phe -
...] NC_000913.pitB
p35 6.5 bits
... sd
p35 0.8 bits
p10 6.5 bits
p10 1.3 bits
{ } p35-(22)-p10 3134394 Gap 2.3 bits
| | p35-p10 3134394 total 5.0 bits
{ } p35-(22)-p10 3134435 Gap 2.3 bits
| | p35-p10 3134435 total 5.5 bits
... p35
*3134450 *3134460 *3134470 *3134480 *3134490 *3134500 *3134510 *3134520
5′ t t a a c g g c a t g g g c a a a g t g a a a t a t c a t t t t t t a c g a t a a a a g a g t g t t a t t t c t t g t g t a t c a g a c a a t a a g c a t t c 3′
- leu - thr - ala - trp - ala - lys - -fMet - cys - ile - arg - gln -
- asn - gly - met - gly - lys - val - lys - tyr - his - phe - leu - thr - ile - lys - arg - val - leu - phe - leu - val - tyr - gln - thr - ile - ser - ile - his -
... sd
ir pitB_gsp+
ir pitB_gsp+
{ } sd-(11)-ir 3134462 Gap 3.0 bits
| | sd-ir 3134462 pitB_gsp+ total 5.3 bits
{ } sd-(14)-ir 3134504 Gap 4.9 bits
| | sd-ir 3134504 pitB_gsp+ total 5.4 bits
sd
... p35 4.1 bits
p10 6.3 bits
{ } p35-(24)-p10 3134469 Gap 2.4 bits
| | p35-p10 3134469 total 8.0 bits
*3134530 *3134540 *3134550 *3134560 *3134570 *3134580 *3134590 *3134600
5′ a t t c a a a a c c t t t a g a a a t a a t c a a a a c a c a g g t a t t c c a c t g g t t a a t a t a t t c a c a t a t g a a a t g a a t a a a t a t t g g a a 3′
-fMet - glu -
-fMet - asn - lys - tyr - trp - asn -
- ser - lys - pro - leu - glu - ile - ile - lys - thr - gln - val - phe - his - trp - leu - ile - tyr - ser - his - met - lys -
sd
[###> orf 44 codons
{----- ... sd-(13)-ir 3134617
ir pitB_gsp+
{ } sd-(16)-ir 3134585 Gap 6.4 bits
| | sd-ir 3134585 pitB_gsp+ total 5.6 bits
... sd-ir 3134617 pitB
... ir
sd
... p35
{ } sd-(9)-ir 3134601 Gap 2.3 bits
| | sd-ir 3134601 pitB_gsp+ total 6.8
... sd


p35 3.5 bits {------- ... p35-(23)-p10 3
{------------------------------ ... p35-(23)-p10 3
|------------------------------ ... p35-p10 313461
|------- ... p35-p10 313462
*3134610 * *3134620 * *3134630 * *3134640 * *3134650 * *3134660 * *3134670 * *3134680 *
5′ t a t a t a a a t a t t g a a t a t t t t g a t t a a t c c c c g t a c t g a t t a t t c t t c a t a a t c a g t a c g g g g t t g c t a c a a c a t g t a t t a 3′
- tyr - ile - asn - ile - glu - tyr - phe - asp - -fMet - leu - gln - his - val - leu -
- ile - -fMet - asn - ile - leu - ile - asn - pro - arg - thr - asp - tyr - ser - ser - -fMet - tyr - tyr -
... ------------------} sd-(13)-ir 3134617 Gap 4.6 bits
[###> orf 14 codons
... ir
p10 2.7 bits
[###> orf 11 codons
sd
... ------------------| sd-ir 3134617 pitB_gsp+ total 5.9 bits
p10 6.0 bits
{--------------------} sd-(11)-ir 3134680 Gap 3.0 bits
ir pitB_gsp+
p10 5.5 bits
|--------------------| sd-ir 3134680 pitB_gsp+ total 6.1
... ir pitB_gsp+
p10 2.5 bits
... p35 4.4 bits
p35 5.7 bits
{---------------------------------------} p35-(21)-p10 3134648 Gap 3.3 bits
|---------------------------------------| p35-p10 3134648 total 8.4 bits
... sd
p35 2.6 bits
... ----------------------------------} p35-(23)-p10 3134626 Gap 1.4 bits
... -------------} p35-(23)-p10 3134614 Gap 1.4 bits
... -------------| p35-p10 3134614 total 4.7 bits{---} p35-(25)-p10 3134655 Gap 4.0 bits
... ----------------------------------| p35-p10 3134626 total 5.5 bits
|---| p35-p10 3134655 total 4.1 bits
*3134690 * *3134700
5′ c t t t t t c a c c a c a a t t a 3′
- leu - phe - his - his - asn -
- phe - phe - thr - thr - ile -
... ir pitB_gsp+