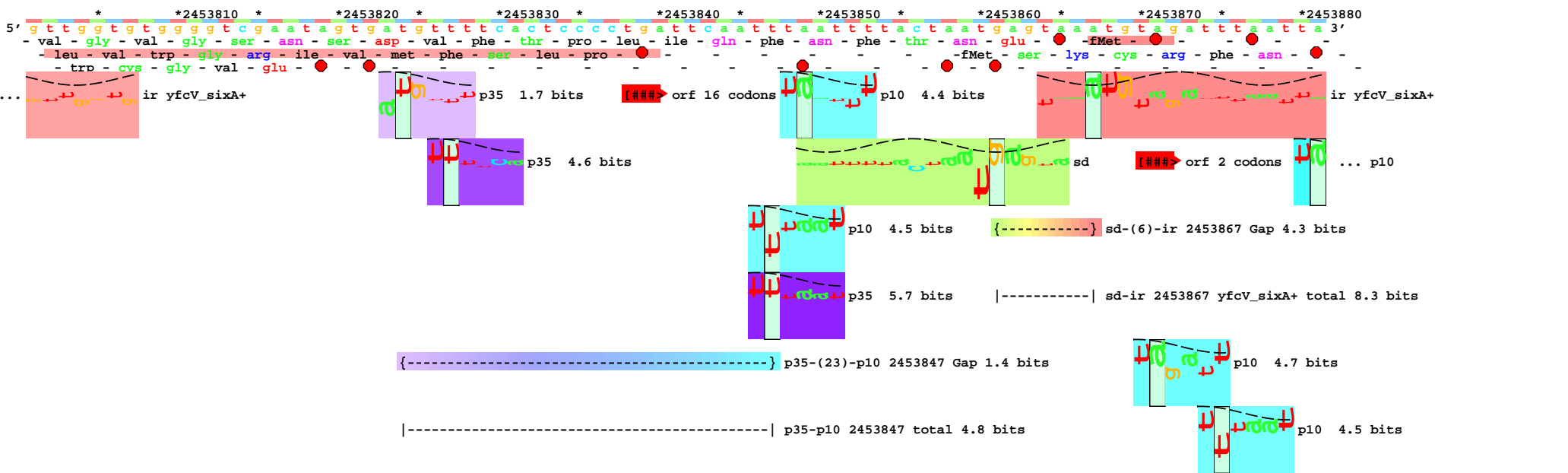
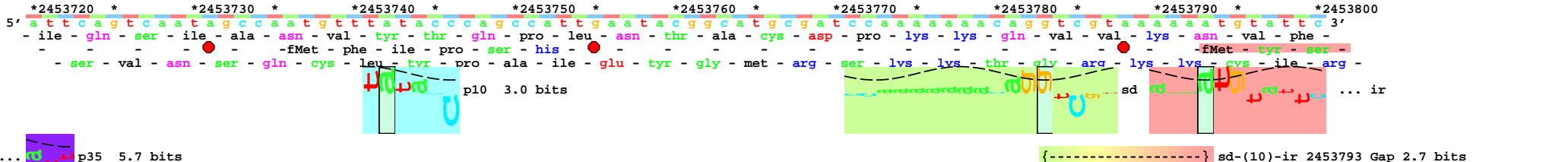
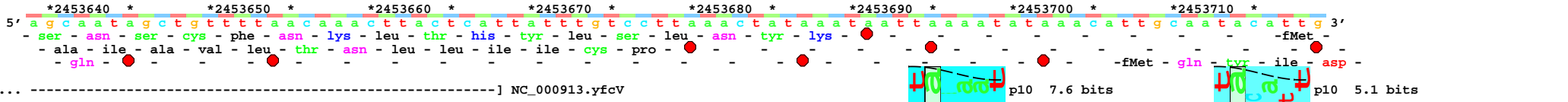


piece 1, NC\_000913, yfcV\_sixA+, config: linear, direction: +, begin: 2453639, end: 2454368



p35-(22)-p10 2453849 Gap 2.3 bits

p10 1.8 bits

p35-p10 2453849 total 6.7 bits

p35 5.7 bits

p10 1.4 bits

... p35-(23)-p10 2453898 Gap

p35-(23)-p10 2453850 Gap 1.4 bits  
p35-p10 2453850 total 4.6 bits

... p35-p10 2453898 total 6.1  
... p35-(24)-p10 2453899 Gap

p10 3.4 bits

... p35-p10 2453899 total 4.1

p35-(26)-p10 2453853 Gap 3.7 bits  
p35-p10 2453853 total 4.3 bits

... p35-(26)-p10 2453901 Gap  
... p35-p10 2453901 total 5.0

p35-(24)-p10 2453871 Gap 2.4 bits  
p35-p10 2453871 total 7.9 bits

p35 5.7 bits

p35-(22)-p10 2453875 Gap 2.3 bits  
p35-p10 2453875 total 7.8 bits

p35-(23)-p10 2453876 Gap 1.4 bits  
p35-p10 2453876 total 6.0 bits

p35 1.6 bits

p35-(21)-p10 2453881 Gap 3.3 b  
p35-p10 2453881 total 4.6 bits

... p35-(24)-p10 2453884 Gap  
... p35-p10 2453884 total 5.7

5' a t a t a t t g a t a g g g g a a a g a t t a t c t t a a g g a t c t t t c t a a a a a a a c a c g a a a t a t a t a t t t a g a a a a a a c a g g a a g c a t a t 3'

-fMet- ile - gly - gly - arg - leu - ser -

p10 6.5 bits

p10 1.9 bits

sd

p10 6.3 bits

p10 0.9 bits

p35 3.7 bits

... sd-(14)-ir 2453968 Gap

p35 5.6 bits

p10 3.0 bits

... sd-ir 2453968 yfcV\_sixA+

p10 0.9 bits

... sd-(18)-ir 2453972 Gap

p35-(22)-p10 2453910 Gap 2.3 bits  
p35-p10 2453910 total 4.1 bits

... sd-ir 2453972 yfcV\_sixA+  
... p35-(24)-p10 2453965 Gap  
... p35-p10 2453965 total 4.5

p35-(23)-p10 2453898 Gap 1.4 bits  
p35-p10 2453898 total 6.1 bits

p35-(24)-p10 2453899 Gap 2.4 bits  
p35-p10 2453899 total 4.1 bits

p35-(26)-p10 2453901 Gap 3.7 bits  
p35-p10 2453901 total 5.0 bits

... p35-(24)-p10 2453884 Gap 2.4 bits  
... p35-p10 2453884 total 5.7 bits

\* 2453970 \* 2453980 \* 2453990 \* 2454000 \* 2454010 \* 2454020 \* 2454030 \* 2454040  
5' c a a c a a t g a a t g c c a a t a g c t t a a a a a c a a a c a a t g a a c a t a t a a t g c g a t t g g c a t t a a c c c g c t t t t g t c g a t a t a a t 3'  
-fMet - pro - ile - ala - -fMet - asn - ile -fMet - arg - leu - ala - leu - thr - arg - phe - cys - arg - tyr - asn -



... sd-(14)-ir 2453968 Gap 4.9 bits



... sd-ir 2453968 yfcV\_sixA+ total 11.9 bits

{ sd-(9)-ir 2454008 Gap 2.3 bits



... sd-(18)-ir 2453972 Gap 6.9 bits

| sd-ir 2454008 yfcV\_sixA+ total 7.3 bits

{ ... p35-(23)-p10 2454055 Gap

... sd-ir 2453972 yfcV\_sixA+ total 6.9 bits



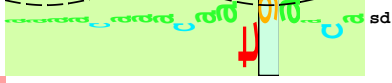
| ... p35-p10 2454055 total 4.8

... p35-(24)-p10 2453965 Gap 2.4 bits

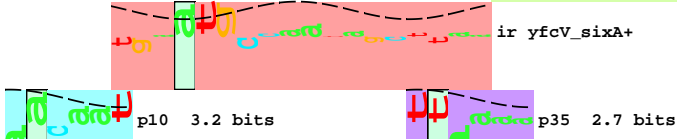
{ orf 5 codons

{ p35-(23)-p10 2454039 Gap 1.4 bits

... p35-p10 2453965 total 4.5 bits



| p35-p10 2454039 total 11.0 bits



{ p35-(25)-p10 2454041 Gap 4.0 bits

| p35-p10 2454041 total 6.4 bits

{ p35-(21)-p10 2454005 Gap 3.3 bits  
p35-p10 2454005 total 7.8 bits

\* 2454050 \* 2454060 \* 2454070 \* 2454080 \* 2454090 \* 2454100 \* 2454110 \* 2454120  
5' a t a t a a a c a c t a t a t a g c c a g a a t t t a a t c a a g t t t c a a t t a c g t c c t g c c t g a t t a t t c a a c t c t a t t t t c t c c a t t a t c t g 3'  
- ile - -fMet - met - ser - val - lys - gln - thr - leu - phe - ile - ser - thr - cys - asn - phe - gly - gln - asn - gln - asp - thr - arg - arg -

{ orf 14 codons



{ ... sd

... p10 6.3 bits

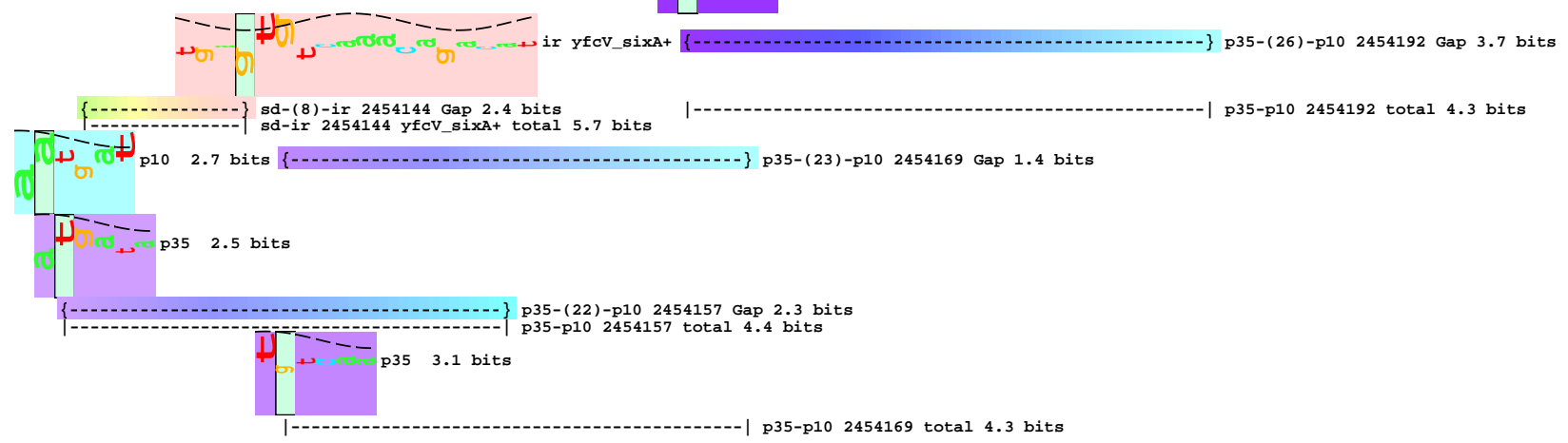
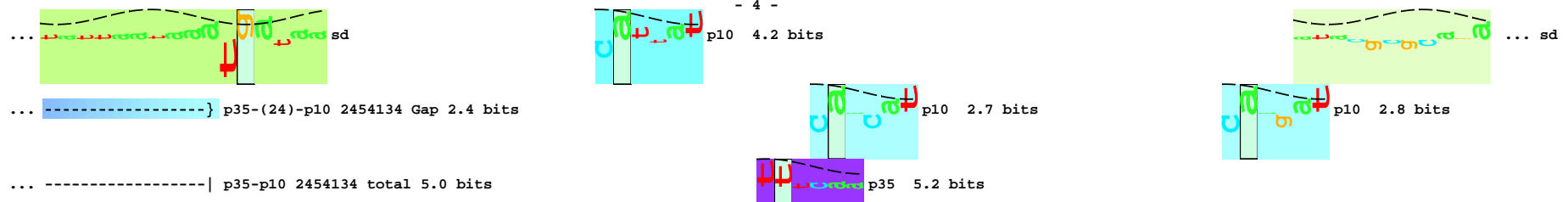
{ p10 1.6 bits

{ ... p35-(24)-p10 2454134 Gap

... p35-(23)-p10 2454055 Gap 1.4 bits  
... p35-p10 2454055 total 4.8 bits

| ... p35-p10 2454134 total 5.0

\* 2454130 \* 2454140 \* 2454150 \* 2454160 \* 2454170 \* 2454180 \* 2454190 \* 2454200 \*  
5' t a t t a a t a a a a t g a t a a t g a g t g t c a a a c a g a c a t t a t t c a t t t c a a c a t g t a a c t t t g g g c a a a a t c a a g a t a c g c g c a g a 3'  
-fMet - ile - met - ser - val - lys - gln - thr - leu - phe - ile - ser - thr - cys - asn - phe - gly - gln - asn - gln - asp - thr - arg - arg -  
-fMet - ser - asn - arg - his - tyr - ser - phe - gln - his - val - thr - leu - gly - lys - ile - lys - ile - arg - ala - glu -



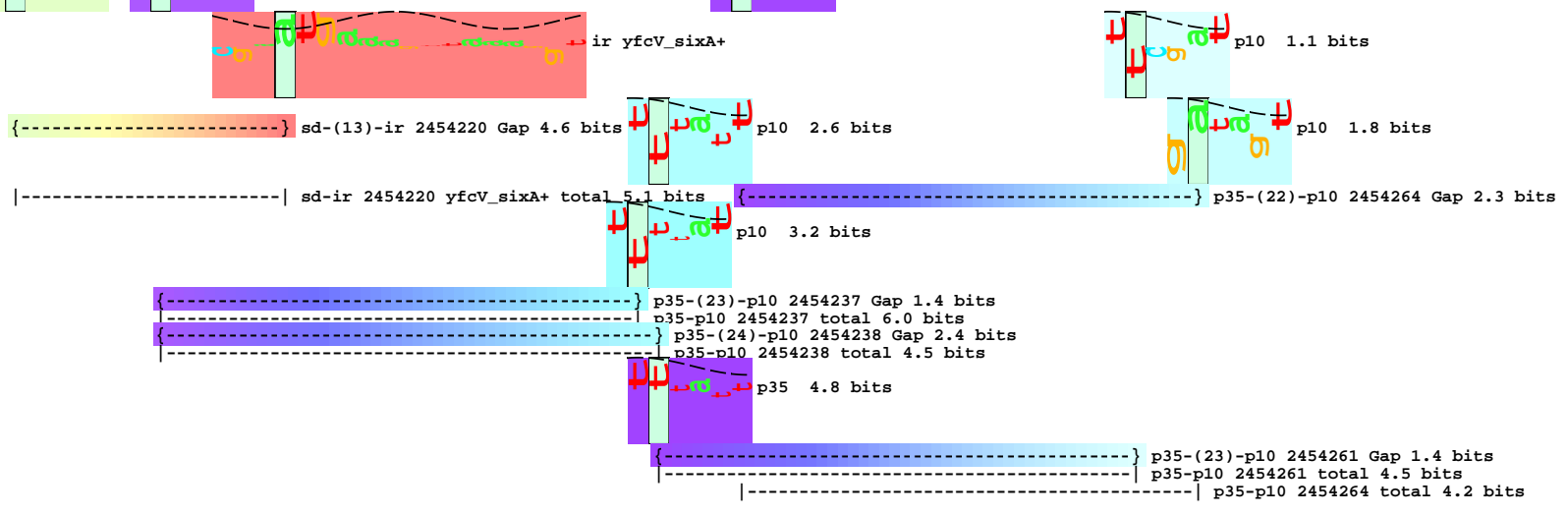
\*2454210 \*      \*2454220 \*      \*2454230 \*      \*2454240 \*      \*2454250 \*      \*2454260 \*      \*2454270 \*      \*2454280 \*

5' a g a a t a c t t t c c g a a t g a a a g t t a a a g g t g t t t a t t a t a g a t g g g g a g a g t c t t c g a t a g t a g t g a g g t t g a c a g a t a t 3'

- arg - ile - leu - ser - glu - ● - -fMet - phe - tyr - leu - ● -fMet - gly - arg - val - phe - asp - ser - ser - glu - val - asp - arg - tyr -

- glu - tyr - phe - pro - asn - glu - ser - ● - -fMet - lys - val - lys - gly - val - leu - phe - ile - asp - gly - glu - ser - leu - arg - ● - ● -fMet - arg - leu - thr - asp - ile -

... p35 4.3 bits [###] orf 29 codons p35 4.7 bits [###] orf 16 codons

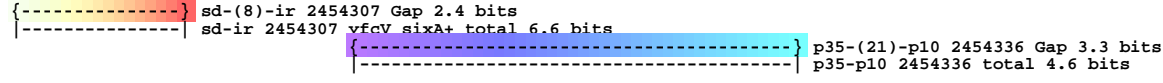
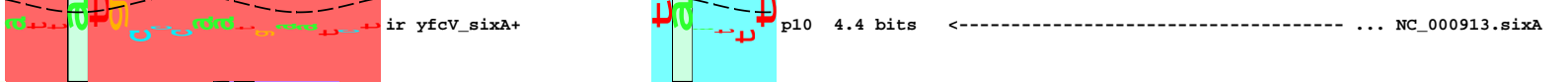


\*2454290 \*      \*2454300 \*      \*2454310 \*      \*2454320 \*      \*2454330 \*      \*2454340 \*      \*2454350 \*      \*2454360 \*

5' c c g c t g c c t g a t g a g c a a t t a t g c c c a a t g a a t c t a c c t c a t t g g g c a t a a t t t g g a a c t c a t c a g a t a g c t t t t g c c a t c 3'

- pro - leu - pro - asp - glu - gln - leu - cys - pro - met - asn - leu - pro - his - trp - ala - - -fMet - glu - leu - ile - arg - - -fMet - pro - ser -

- arg - cys - leu - met - ser - asn - tyr - ala - gln - - - -fMet - pro - glu - ser - thr - ser - leu - gly - ile - ile - trp - val - ser - ser - asp - ser - phe - cys - his -



5' T 3'

...

... -- ... NC\_000913.sixA