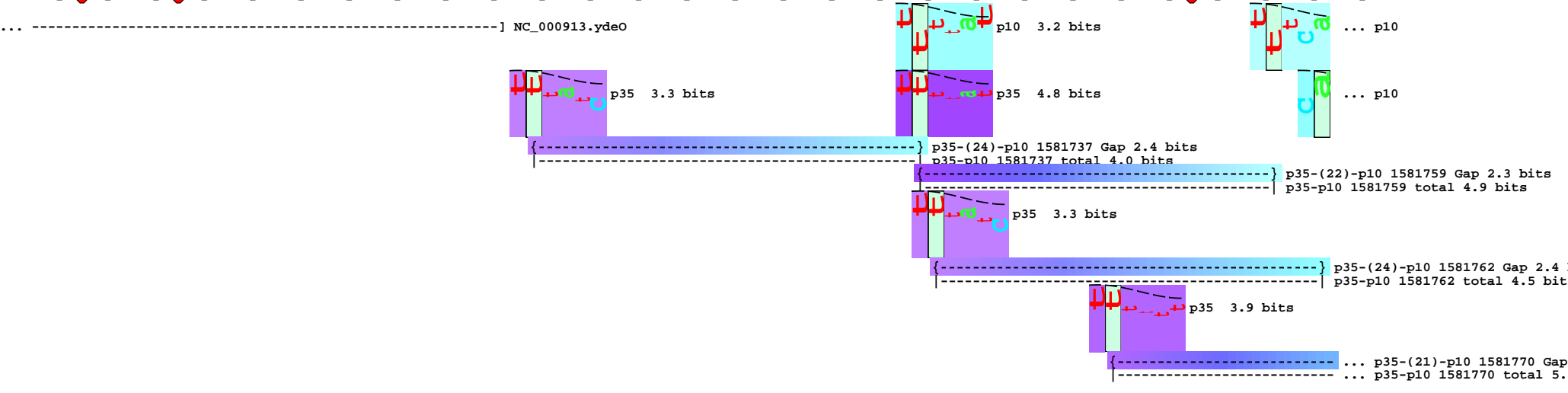
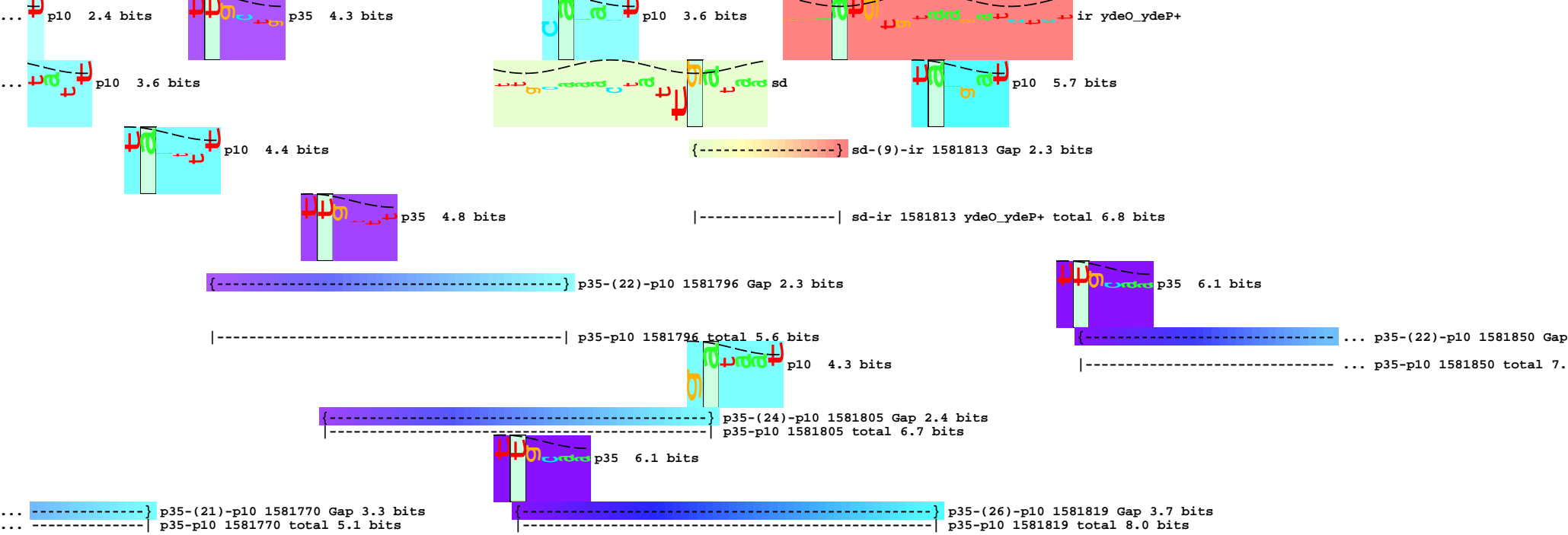


piece 1, NC_000913, ydeO_ydeP+, config: linear, direction: +, begin: 1581682, end: 1582250

5' a a t a a a t a t a a c a g a a c a a a c g a g c g a c a t t t t a t c t c c t t a a a a c a a t a a a g t t t t t a t c g a t a c t t t t t t a a c a t t t c a 3'
- asn - lys - tyr - asn - arg - thr - asn - glu - arg - his - phe - ile - ser - leu - lys - gln - *1581730 *
- ile - asn - ile - thr - glu - gln - thr - ser - asp - ile - leu - ser - pro -



5' t a t t t a t a a a t t t t g c t g t t t t g t t t t c a g c c t t g c a a a c t a t t g a t a a t g a a a t g t g t a a g a t c t c t t g c a a t g c g a c c c a t t 3'
-fMet - leu - phe - val - phe - ser - leu - ala - asn - tyr -fMet - ile - met - lys - cys - val - arg - ser - leu - ala - met - arg - pro - ile -
-fMet - phe - ser - ala - leu - gln - thr - ile - asp - asn - glu - met - cys - lys - ile - ser - cys - asn - ala - thr - his - phe -



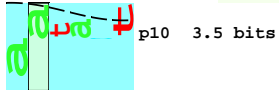
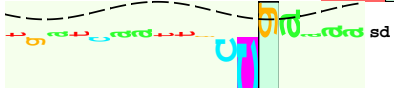
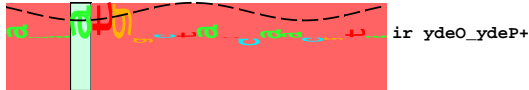
* 1581850 * 1581860 * 1581870 * 1581880 * 1581890 * 1581900 * 1581910 * 1581920 *

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

- ser - glu - ile - leu - ser - fMet - ala - ile - asn - val - ser - val - ser - asn - lys - thr - thr - thr - ile - ala - asp -

- leu - lys - tyr - ser - ala - asp - gln - leu - pro - lys - lys - trp - leu - ser - thr - fMet - ser - val - ile - arg - gln - pro - gln - leu - gln - thr -

orf 12 codons



{-----} sd-(6)-ir 1581877 Gap 4.3 bits

|-----| sd-ir 1581877 yde0_ydeP+ total 5.2 bits

... {-----} p35-(22)-p10 1581850 Gap 2.3 bits

... {-----} p35-p10 1581850 total 7.2 bits

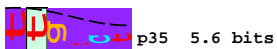
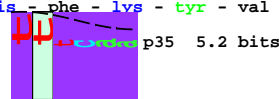
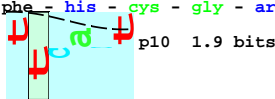
* 1581930 * 1581940 * 1581950 * 1581960 * 1581970 * 1581980 * 1581990 * 1582000 *

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

- met - ile - ser - leu - fMet - ser - leu - cys - val - ile - leu - phe - phe - thr - val - val - ala - cys - ile - ser - asn - met - phe - ile -

- fMet - arg - asp - phe - val - phe - his - cys - gly - arg - met - his - phe - lys - tyr - val - tyr - leu - ala - asp -

orf 21 codons

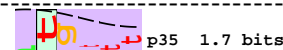


{-----} ... p35-(24)-p10 1582008 Gap

{-----} p35-(24)-p10 1581965 Gap 2.4 bits

|-----| ... p35-p10 1582008 total 5.8

|-----| p35-p10 1581965 total 5.1 bits



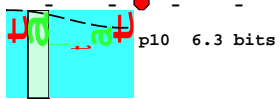
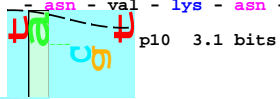
{-----} ... p35-(23)-p10 1582015 Gap

... p35-p10 1582015 total 4.1

* 1582010 * 1582020 * 1582030 * 1582040 * 1582050 * 1582060 * 1582070 * 1582080 *

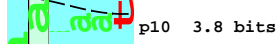
5' a t a a c g t t a a a a a t c g t t a a t c a g t a t g c t t a a t a t a a c a g g c t g g a g a a a a g a g g a a a t a g g a c t g g t g c t t c a g t a c t g 3'

- asn - val - lys - asn - arg - fMet - leu - asn - ile - thr - gly - trp - arg - lys - glu - glu - ile - gly - leu - val - leu - gln - tyr -



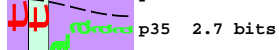
... {-----} p35-(24)-p10 1582008 Gap 2.4 bits

... {-----} p35-p10 1582008 total 5.8 bits



... {-----} p35-(23)-p10 1582015 Gap 1.4 bits

... {-----} p35-p10 1582015 total 4.1 bits



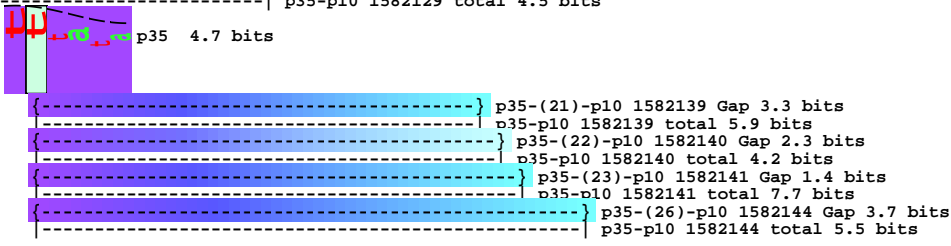
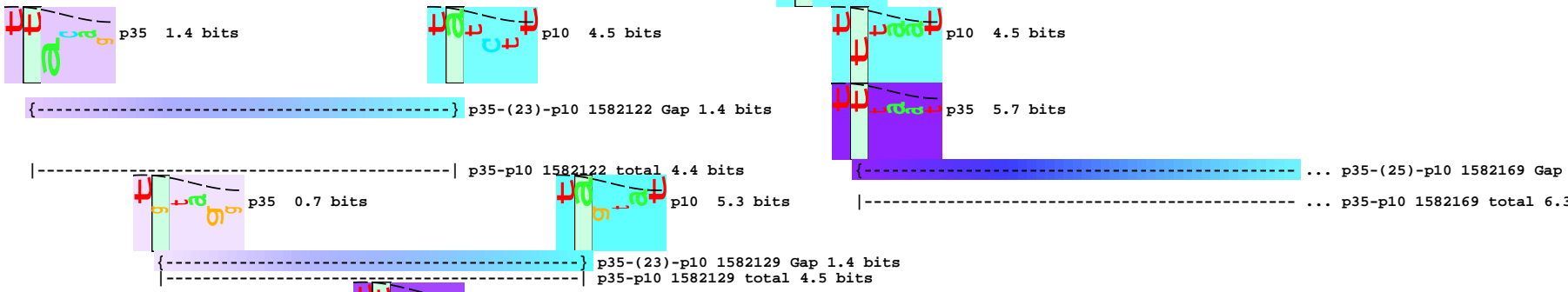
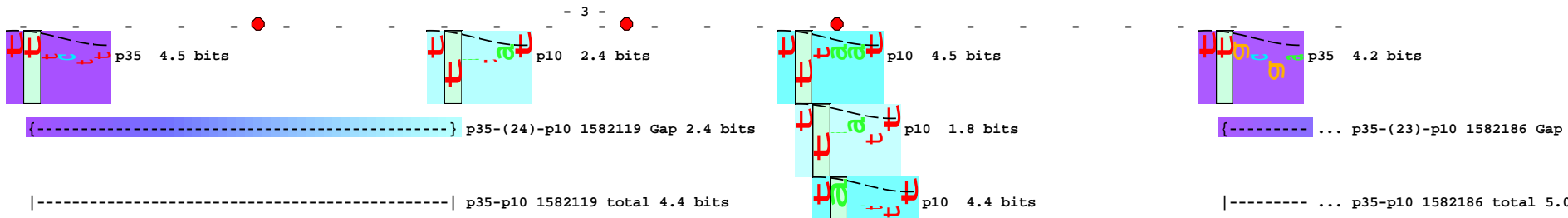
{-----} p35-(24)-p10 1582037 Gap 2.4 bits

{-----} p35-p10 1582037 total 6.5 bits

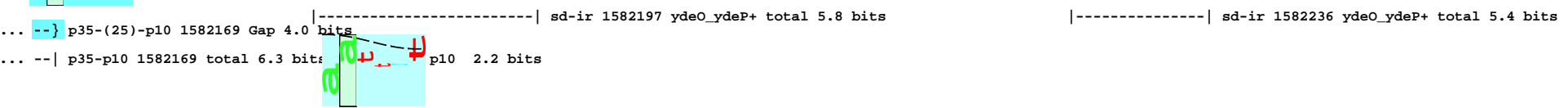
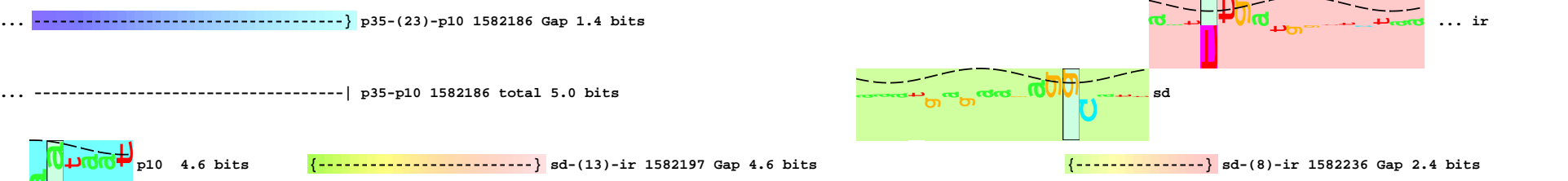
* 1582090 * 1582100 * 1582110 * 1582120 * 1582130 * 1582140 * 1582150 * 1582160 *




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

- fMet - fMet - ser - lys - leu - arg -



*1582170 * *1582180 * *1582190 * *1582200 * *1582210 * *1582220 * *1582230 * *1582240 *
 5' a a t a a t a g t c a a t g a g g a a t t c t t c t g c t g t g c g g a t g a c a g c a g a a g a a a t g a g a a g a g g c a t t a a t t t g a t g g t t c t a a 3'
 - asn - asn - ser - gln - -fMet - arg - asn - ser - ser - ala - val - arg - met - thr - ala - glu - glu - met - arg - arg - gly - ile - asn - leu - met - val - leu - ile -
 ----- sd ----- ir ydeO_ydeP+ ----- ... NC_00913.ydeP



*1582250
5'  3'
-
...  ... NC_000913.ydeP
...  ir ydeO_ydeP+