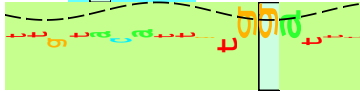
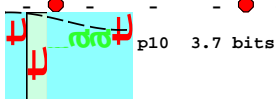
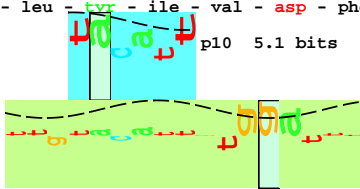
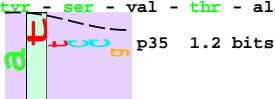


piece 1, NC_000913, stpA_TERM45-, config: linear, direction: -, begin: 2797038, end: 2796498

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

- lys - ile - phe - arg - asn - gly - ser - phe - phe - val - his - cys - gly - phe - leu - his - ala - asp - met - ile - tyr - phe - leu - ile - lys - ser - ile -

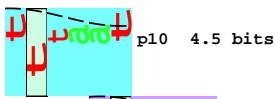
- lys - tyr - ser - val - thr - ala - arg - phe - leu - tyr - ile - val - asp - phe - tyr - met - pro - ile -



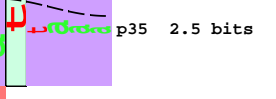
###> orf 4 codons

###> orf 5 codons

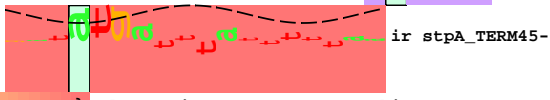
sd-(9)-ir 2796991 Gap 2.3 bits



sd-ir 2796991 stpA_TERM45- total 8.5 bits



p35-(23)-p10 2797008 Gap 1.4 bits



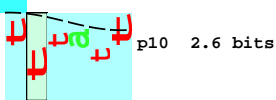
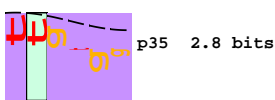
sd-(17)-ir 2796983 Gap 6.5 bits

sd-ir 2796983 stpA_TERM45- total 6.8 bits

p35-p10 2797008 total 4.8 bits

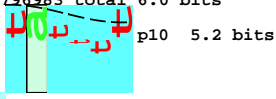
p10 6.4 bits

... p35-(23)-p10 2796945 Gap



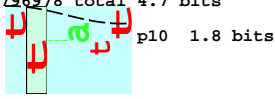
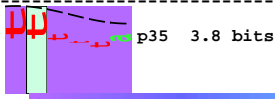
p35-(21)-p10 2796983 Gap 3.3 bits

p35-p10 2796983 total 6.0 bits



p35-(23)-p10 2796978 Gap 1.4 bits

p35-p10 2796978 total 4.7 bits



p35-(21)-p10 2796976 Gap 3.3 bits

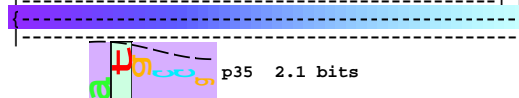
p35-p10 2796976 total 5.7 bits



... p35-p10 2796945 total 4.0

p35-(23)-p10 2796972 Gap 1.4 bits

p35-p10 2796972 total 8.6 bits



p35-(24)-p10 2796971 Gap 2.4 bits

p35-p10 2796971 total 4.9 bits

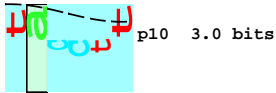
p35-(23)-p10 2796967 Gap 1.4 bits

p35-p10 2796967 total 4.3 bits

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

- arg - tyr - gly - leu - thr - phe - asn - ile - thr - asn - glu - ser - leu - gly - val - arg -

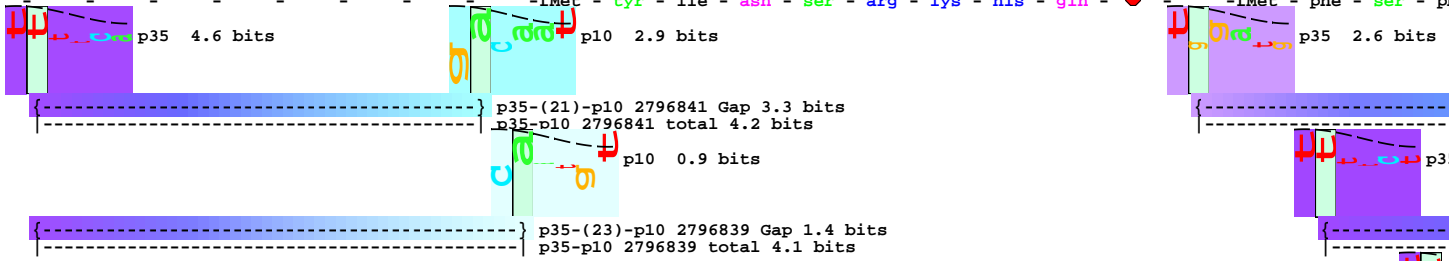
- -fMet - ala - leu - pro - leu - ile - ser - leu - met - lys - val - trp - gly - -fMet - tyr - val - -fMet -



... } p35-(23)-p10 2796945 Gap 1.4 bits

... | p35-p10 2796945 total 4.0 bits

5' * 2796870 * 2796860 * 2796850 * 2796840 * 2796830 * 2796820 * 2796810 * 2796800 *
 a g t a g c t g g g t c a t t t t t c a g c a t t t t t t a t g c c a g a c a a t g t a c a t t a a c a g c a g a a a g c a c c a g t g a t g g a t g t t t t c t t 3'
 - val - ala - gly - ser - phe - ser - ala - phe - phe - met - pro - asp - asn - val - his - fMet - met - asp - val - phe - phe -
 - fMet - tyr - ile - asn - ser - arg - lys - his - gln - fMet - phe - ser - phe -



... p35-(22)-p10 2796785 Gap

... p35-p10 2796785 total 6.7

p35 4.8 bits

... p35-(23)-p10 2796778 Gap

... p35-p10 2796778 total 5.6

... p35

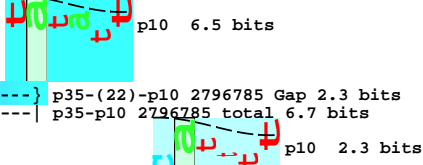
... p35-(21)-p10 2796775 Gap

... p35-p10 2796775 total 4.6

... p35-(22)-p10 2796774 Gap

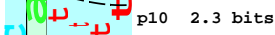
... p35-p10 2796774 total 5.0

* 2796790 * 2796780 * 2796770 * 2796760 * 2796750 * 2796740 * 2796730 * 2796720 *
 t t a t t c t g t t a t a t t g c a t t t t t a t t c a c t t t g a t t t t g t c a g g c t t g c g g a a t t a g c g a g c a g a g a g c g c c g c t c t g t t c 3'
 - tyr - ser - val - ile - leu - his - phe - tyr - ser - leu - fMet - ile - leu - ser - gly - leu - arg - asn -
 - ile - leu - leu - tyr - cys - ile - phe - ile - his - phe - asp - phe - val - arg - leu - ala - glu - leu - ala - ser - arg - glu - arg - arg - ser - val - his -



... } p35-(22)-p10 2796785 Gap 2.3 bits

... | p35-p10 2796785 total 6.7 bits



... } p35-(23)-p10 2796778 Gap 1.4 bits

... | p35-p10 2796778 total 5.6 bits

p35 4.8 bits

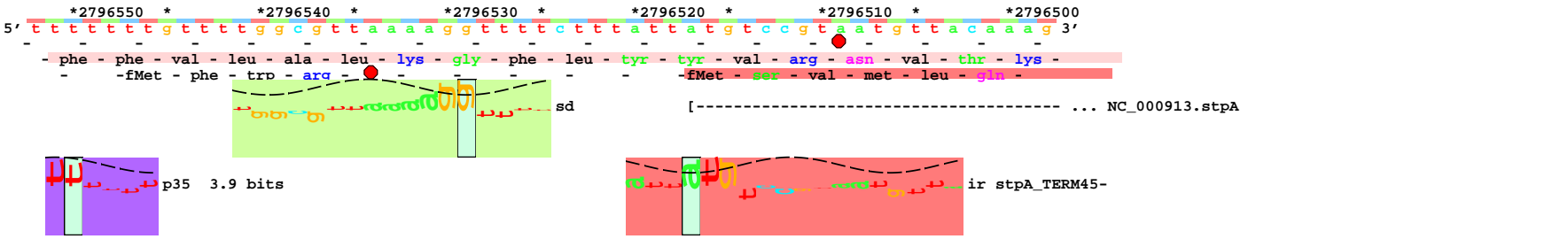
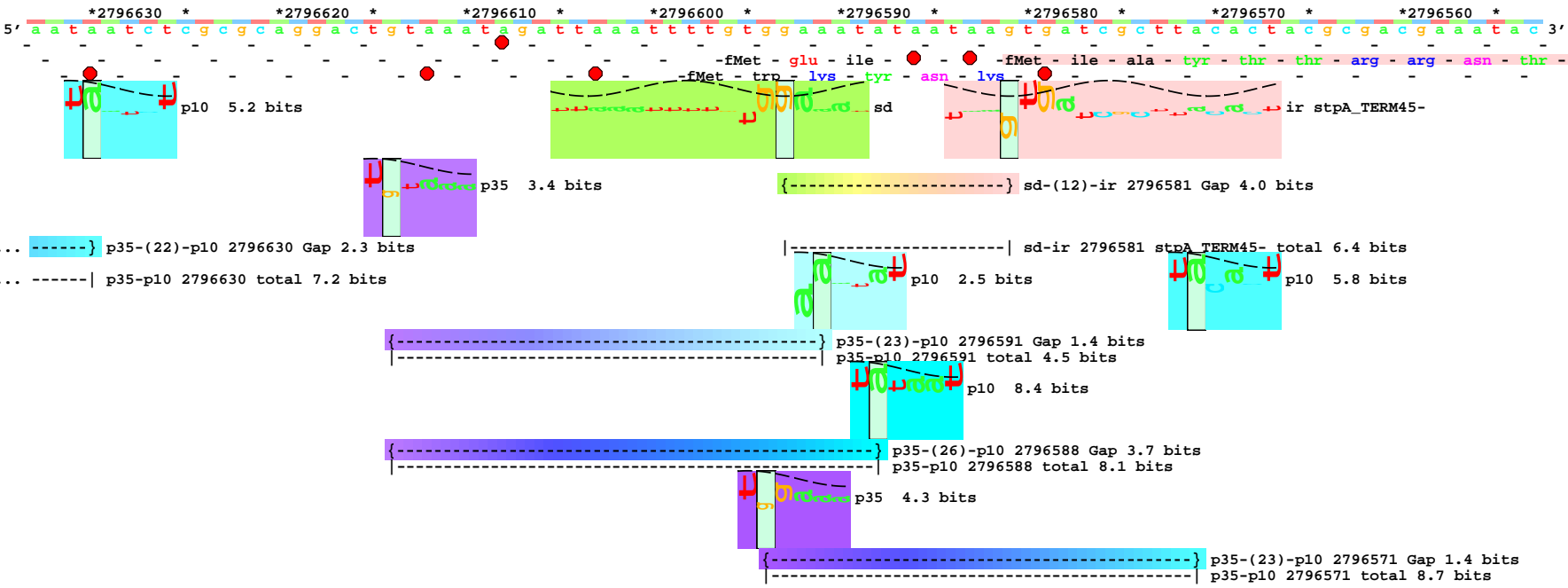
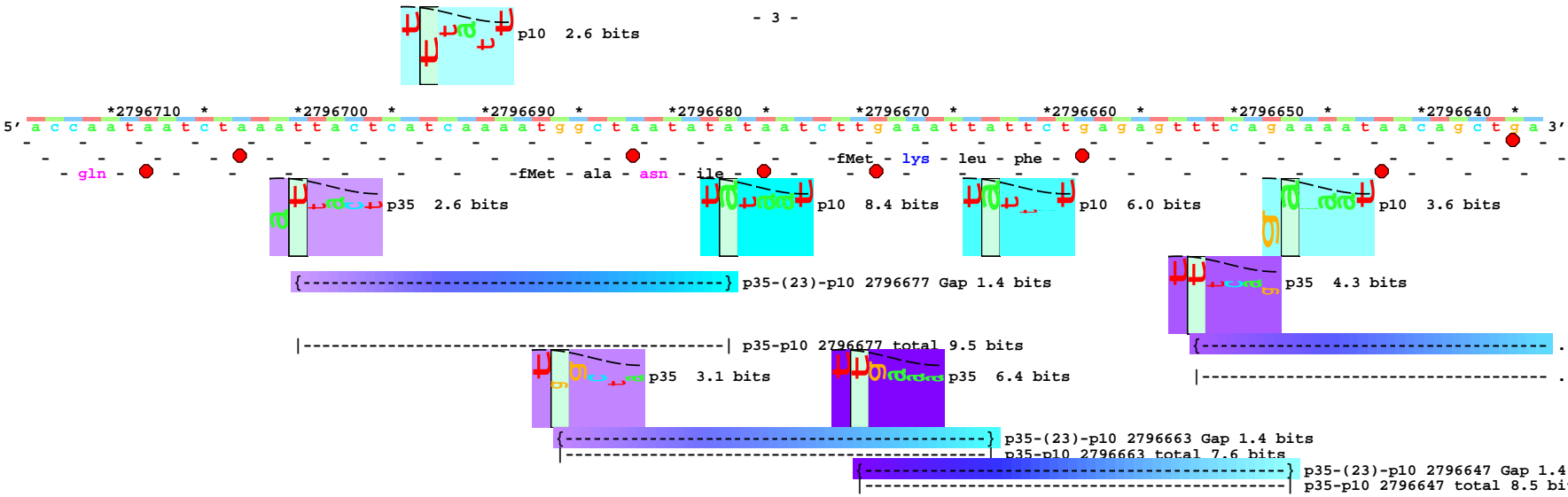
p10 3.2 bits

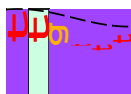
... } p35-(21)-p10 2796775 Gap 3.3 bits

... | p35-p10 2796775 total 4.6 bits

... } p35-(22)-p10 2796774 Gap 2.3 bits

... | p35-p10 2796774 total 5.0 bits





p35 4.8 bits

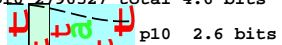
{-----} sd-(12)-ir 2796517 Gap 4.0 bits

|-----| sd-ir 2796517 stpA_TERM45- total 8.2 bits



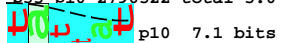
p10 2.1 bits

{-----} p35-(23)-p10 2796527 Gap 1.4 bits
|-----| p35-p10 2796527 total 4.6 bits



p10 2.6 bits

{-----} p35-(24)-p10 2796522 Gap 2.4 bits
|-----| p35-p10 2796522 total 5.0 bits



p10 7.1 bits

{-----} p35-(26)-p10 2796520 Gap 3.7 bits
|-----| p35-p10 2796520 total 8.2 bits