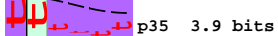


... -----| p35-p10 1103030 total 9.4 bits
... -----} p35-(26)-p10 1103027 Gap 3.7 bits



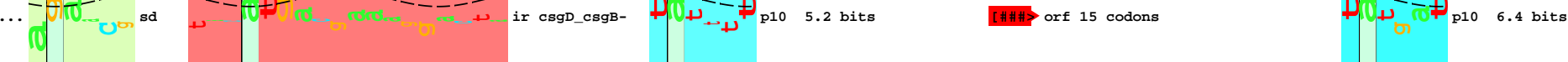
-----} p35-(23)-p10 1102999 Gap 1.4 bits
-----| p35-p10 1102999 total 5.8 bits

... -----| p35-p10 1103027 total 4.0 bits

*1102960 * *1102950 * *1102940 * *1102930 * *1102920 * *1102910 * *1102900 * *1102890 * *1102880 *
5' a t t t t g t t t t c t t t t a a a t c t c c g t t t t c c g c t a t c a a a a g c a c c a g a c a g t c a t t c t t c t t g c c c g t c c g c t g a t t g c t g 3'
- ile - leu - phe - ser - phe - lys - ser - pro - phe - ser - ala - ile - lys - lys - his - glu - thr - val - ile - leu - leu - ala - arg - arg - fMet - leu -
-
-fMet - pro - val - ala - asp - cys - cys -
[###] orf 62 codons

* *1102870 * *1102860 * *1102850 * *1102840 * *1102830 * *1102820 * *1102810 * *1102800 *
5' c g a t a t g t t t t c t t g c g c a a a g c g t g a c a a a c c t c g t c t t t t t t g c a g t a a a a a a t t g t c c a c g g a g g t g t g g a g a a a a a a c a 3'
- arg - tyr - val - leu - arg - thr - ser - arg - asp - lys - pro - arg - leu - phe - ala - val - lys - asn - cys - pro - arg - arg - cys - gly - glu - lys - thr -
- asp - met - ser - cys - ala - gln - ala - val - thr - asn - leu - val - phe - leu - gln -
-fMet - ser - thr - glu - val - trp - arg - lys - asn - lys -
... sd

* *1102790 * *1102780 * *1102770 * *1102760 * *1102750 * *1102740 * *1102730 * *1102720 *
5' a g a a c g t t t t a c a t g a c g a a a g g a c t a c a c c g a a a t a t t t t t t t a t a t g c a t t a t t a g t a a g t t a t c a c c a t t t t g t a t g a t t 3'
- arg - thr - phe - tyr - met - thr - lys - gly - leu - his - arg - asn - ile - phe - tyr - met - his - tyr -
- glu - arg - phe - thr -
- asn - val - leu - his - asp - glu - arg - thr - thr - pro - lys - tyr - phe - leu - tyr - ala - leu - leu - val - ser - tyr - his - his - leu - tyr - asp - phe -



-----} sd-(11)-ir 1102786 Gap 3.0 bits
-----} p10 2.5 bits
-----} p10 2.0 bits

-----| sd-ir 1102786 csgD_csgB- total 7.8 bits
-----} p10 2.7 bits
-----} p35 0.9 bits

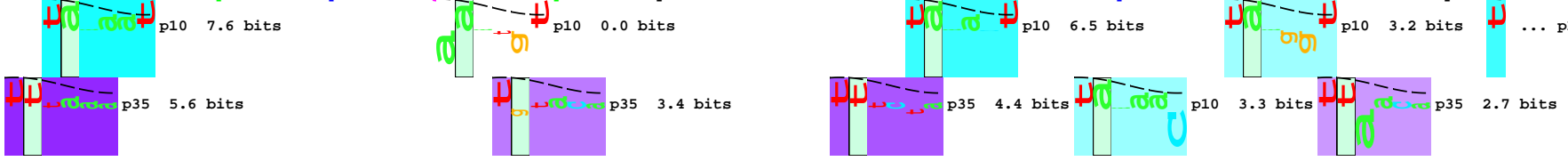


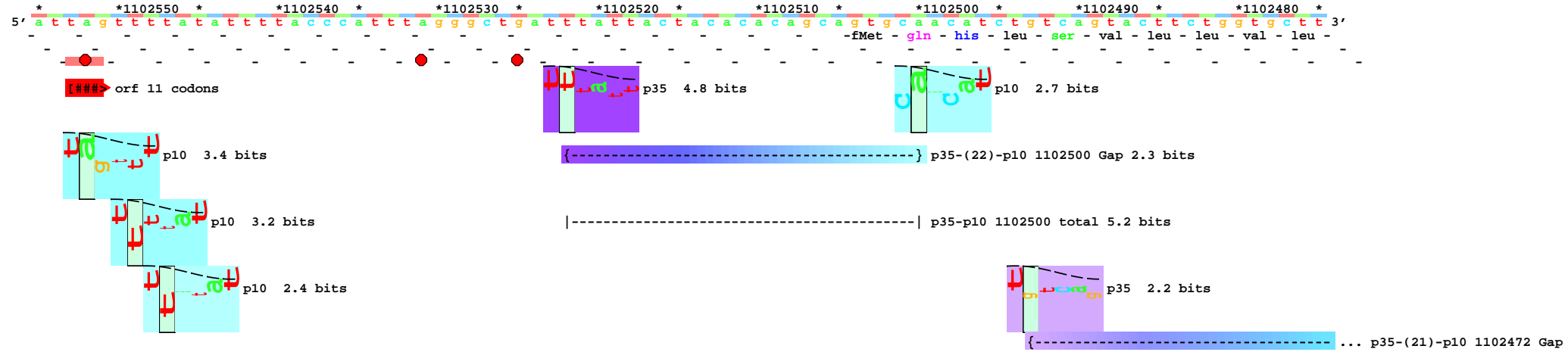
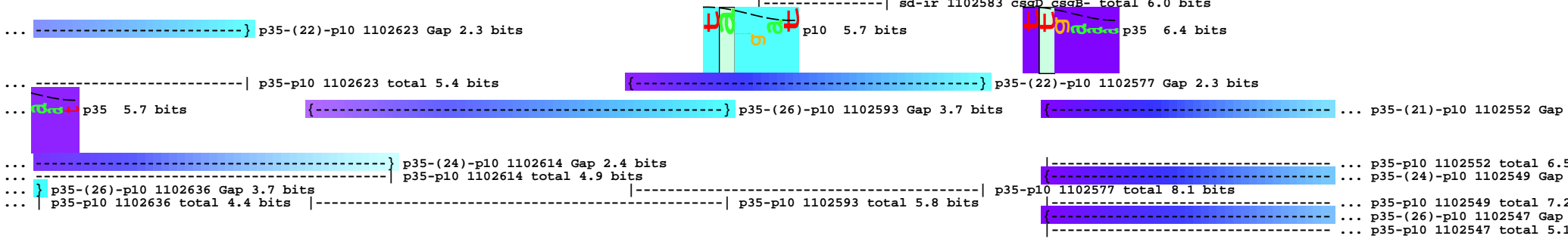
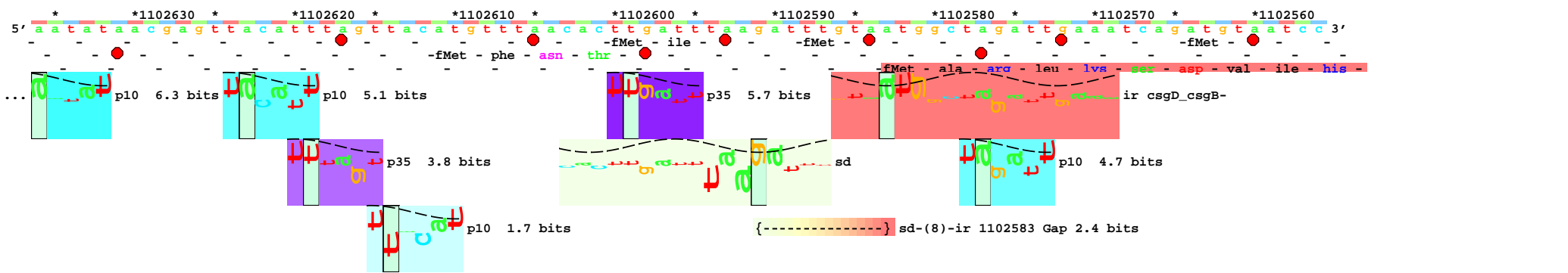
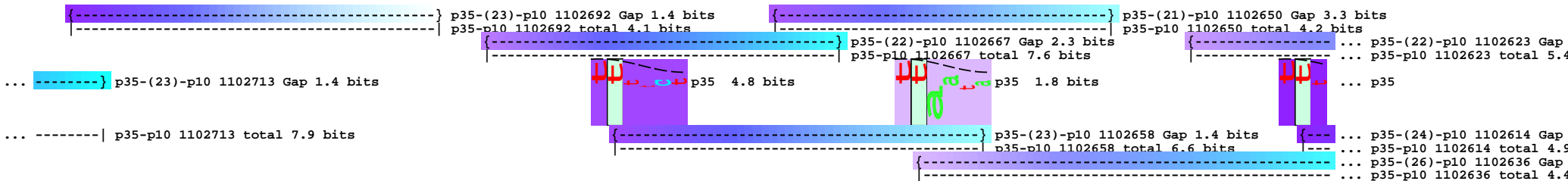
-----} p35-(25)-p10 1102765 Gap 4.0 bits
-----} p35-p10 1102765 total 4.0 bits
-----} p35-(26)-p10 1102764 Gap 3.7 bits
-----} p35-p10 1102764 total 4.6 bits
-----} p35-(24)-p10 1102723 Gap 2.4 bits
-----} p35-p10 1102723 total 4.9 bits
-----} p35-(23)-p10 1102713 Gap
-----} p35-p10 1102713 total 7.9

-----} p35 2.4 bits
-----} p35-(23)-p10 1102735 Gap 1.4 bits

-----} p35-(23)-p10 1102762 Gap 1.4 bits
-----} p35-p10 1102762 total 6.2 bits
-----| p35-p10 1102735 total 5.4 bits

* *1102710 * *1102700 * *1102690 * *1102680 * *1102670 * *1102660 * *1102650 * *1102640 *
5' t t t t a a a a t t g t g c a a t a a a a a c c a a a t g t a c a a c t t t t c t a t c a t t t c t a a a c t t a a t a a a a c t t a a g g t t a a c a t t t t 3'
- phe -
- leu - lys - leu - fMet - gln - lys - asn - gln - met - tyr - asn - phe - ser - ile - ile - ser - lys - leu - asn - lys - thr - leu - arg - leu - thr - phe -
-
- -

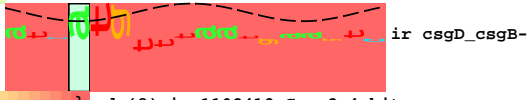
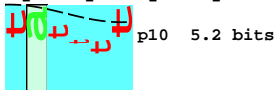




... -----} p35-(21)-p10 1102552 Gap 3.3 bits
 ... -----| p35-p10 1102552 total 6.5 bits
 ... -----} p35-(24)-p10 1102549 Gap 2.4 bits

... -----| p35-p10 1102549 total 7.2 bits
 ... -----} p35-(26)-p10 1102547 Gap 3.7 bits
 ... -----| p35-p10 1102547 total 5.1 bits

5' ^{*1102470 *} c t a t t t t a g a g g c a g c t g t c a g g t g t g c g a t c a a t a a a a a a a a g c g g g g t t t c a t c a t g t t t a a t g a a g t c c a t a g 3'
 - leu - phe - - - - - - - - - - - - - - - fMet - arg - ser - ile - lys - lys - ala - gly - phe - his - his - val - - - - - - - - - - -
 - fMet - phe - - - - glu - val - his - - - - -
 - fMet - lys - ser - ile - - - - -



sd-(8)-ir 1102419 Gap 2.4 bits
 sd-ir 1102419 csgD_csgB- total 9.4 bits

... -----} p35-(21)-p10 1102472 Gap 3.3 bits
 ... -----| p35-p10 1102472 total 4.1 bits