

piece 1, NC_000913, thrS_arpB+, config: linear, direction: +, begin: 1800565, end: 1801137

*1800570 *1800580 *1800590 *1800600 *1800610 *1800620 *1800630 *1800640 *

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

- ala - ala - ile - arg - lys - ser - tyr - asn - arg - his - phe - ile - ser - leu - phe - ala - val - val - thr - his - thr - lys - asp - his - ile - gln - arg -

- leu - pro - ser - gly - arg - val - ile - thr - gly - ile - leu - tyr - pro - tyr - leu - gln - trp -

- cys - his - gln - glu - glu - leu -

-----] NC_000913.thrS

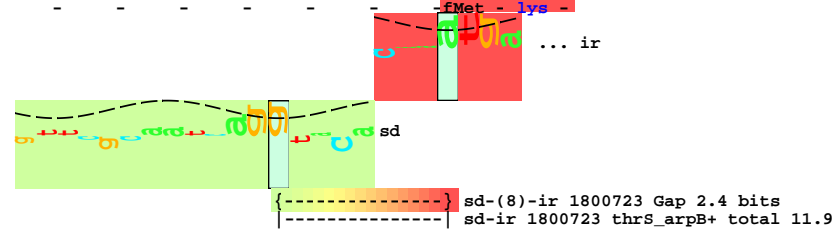
*1800650 *1800660 *1800670 *1800680 *1800690 *1800700 *1800710 *1800720 *

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

- lys - ile - cys - leu - leu - thr - val - his - cys - glu - thr - ile - -fMet - leu - thr - leu - lys - lys - gly - arg - leu - tyr - leu - ser - val - ser - his -

- -fMet - phe - ile - asn - ser - ser - leu - arg - asn - his - leu - ala - asn - lys - cys - -fMet - leu - thr - phe - ala - ile - arg - tyr - thr - asn - glu -

- -fMet - lys -

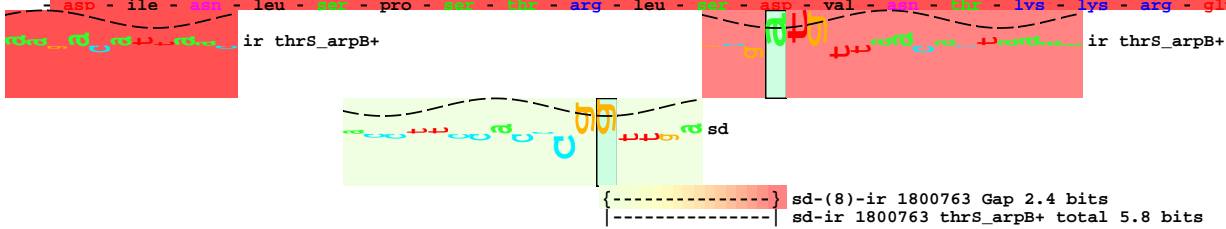


*1800730 *1800740 *1800750 *1800760 *1800770 *1800780 *1800790 *1800800 *

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

- arg - his - -fMet - leu - thr - leu - lys - lys - gly - arg - leu - tyr - leu - ser - val - ser - his -

- asp - ile - asp - leu - ser - pro - ser - thr - arg - leu - ser - asp - val - asp - thr - lys - lys - arg - glu - ile - val - pro - phe - arg - phe - thr - leu -

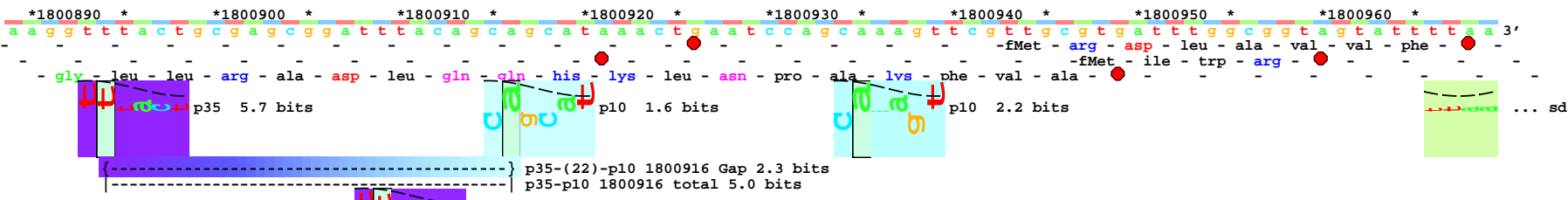


*1800810 *1800820 *1800830 *1800840 *1800850 *1800860 *1800870 *1800880 *

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

- ile - arg - phe - ala - ile - arg - leu - -fMet - ser - thr - pro - ala - lys - arg - leu - lys - asn - asn - -fMet - arg - leu - lys -

[###> orf 16 codons [###> orf 37 codons

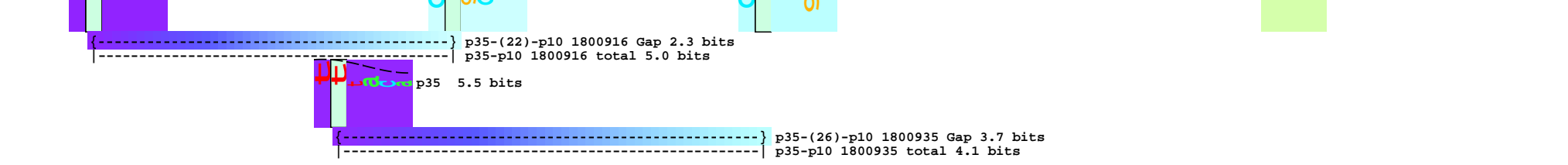


*1800890 *1800900 *1800910 *1800920 *1800930 *1800940 *1800950 *1800960 *

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

- gly - leu - leu - arg - ala - asp - leu - gln - gln - his - lys - leu - asn - pro - ala - lys - phe - val - ala - -fMet - arg - asp - leu - ala - val - phe -

- -fMet - ile - trp - arg - -fMet - his - ile -



*1800970 *1800980 *1800990 *1801000 *1801010 *1801020 *1801030 *1801040 *1801050

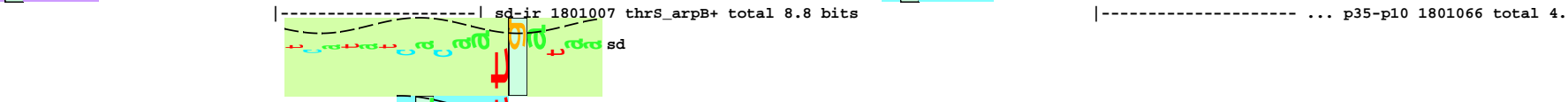
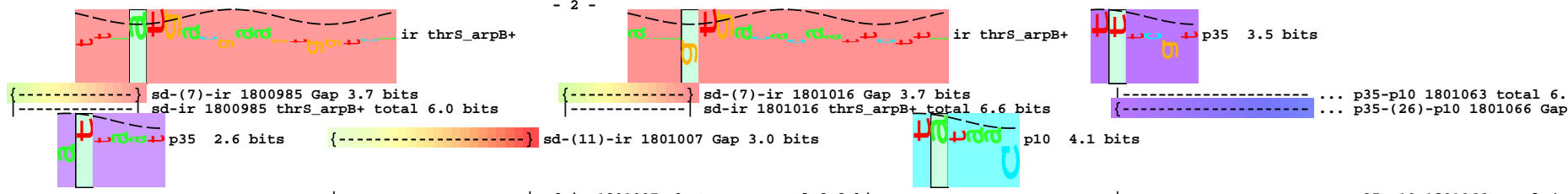
5' a c g c t c a t g a g a t t a a t g a c g a a g t g g t c a t a t c a c a a t g a t a a a a g t g a c a c a a t t c t t a t a a c a a t t t t t c g t g c a c a t 3'

- -fMet - arg - leu - met - thr - lys - trp - ser - tyr - his - asn - asp - lys - ser - asp - thr - ile - leu - ile - thr - ile - phe - arg - ala - his -

- -fMet - ile - lys - val - thr - gln - phe - leu - -fMet - his - ile -

-fMet - val - ile - ser - gln -

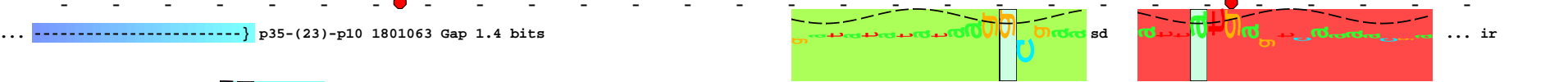




5' ^{*} t t c g t t c t g g c g a t a a t a a t t a a t c a t c a t c c t c a a a a c c t c c a g a t a t a t a t a a g g c g a a c a g a t t a t g a g t c a a a a c g a 3'

- phe - val - leu - ala - ile - ile - ile - ^{*}asn - his - his - pro - ^{*}gln - ^{*}asn - leu - ^{*}gln - ile - ^{*}tyr - ile - ^{*}arg - ^{*}arg - thr - asp - ^{*}tyr - glu - ser - lys - arg -

- ser - phe - trp - arg - ^{*}Met - ser - gln - ^{*}asn - asp -



5' ^{*} t a t c a t 3'

- tyr - his -

- ile -

ir thrS_arpB+