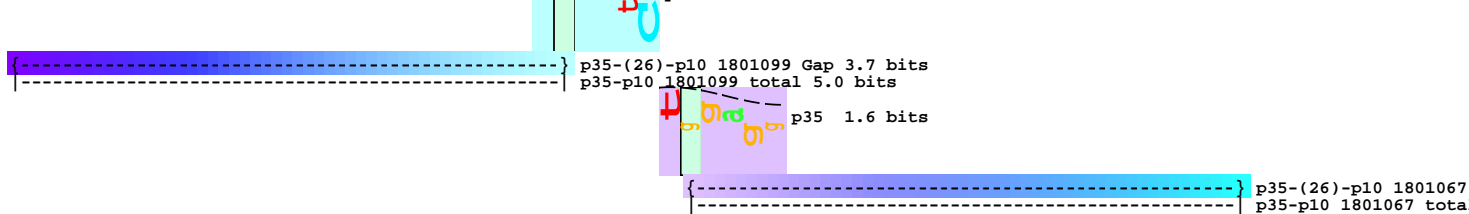
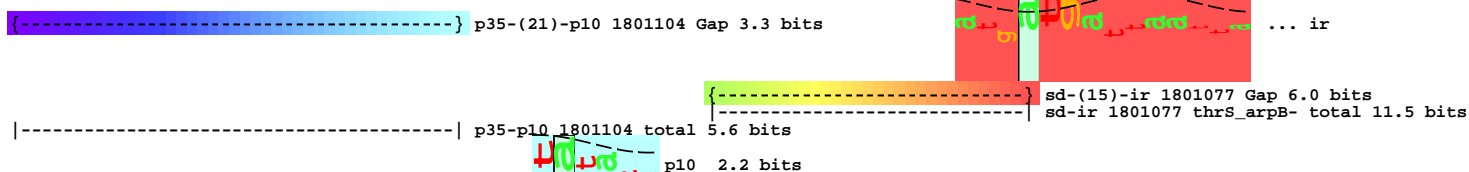
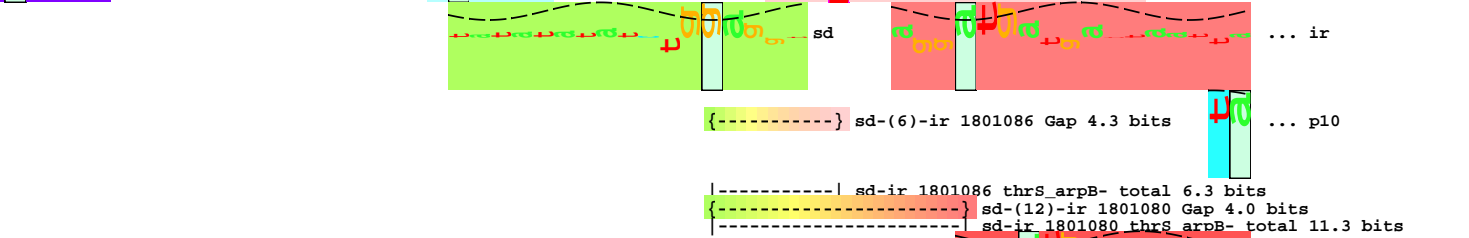
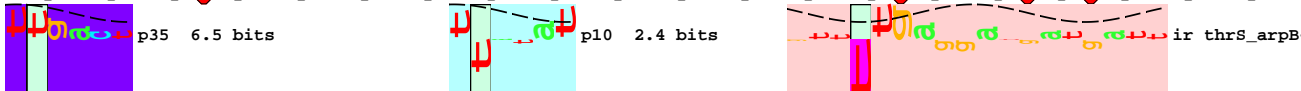


piece 1, NC_000913, thrS_arpB-, config: linear, direction: -, begin: 1801147, end: 1800575

5' ^{*}agttctgataaatgataatcggttttgactcataaatctgttcgaccttataatataatctggagggttttgaggatgatgattaat3'

- ser - ser - asp - asn - asp - ile - val - leu - thr - his - asn - leu - phe - ala - leu - tyr - ile - ser - gly - gly - phe - glu - asp - asp - asp - phe -

- val - leu - ile - met - ile - ser - phe - fMet - arg - met - met - ile -

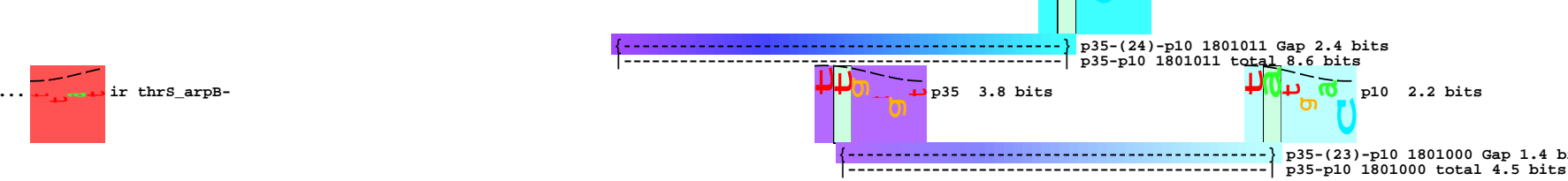
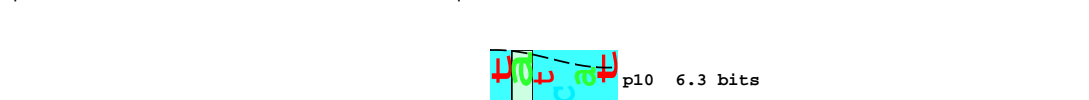
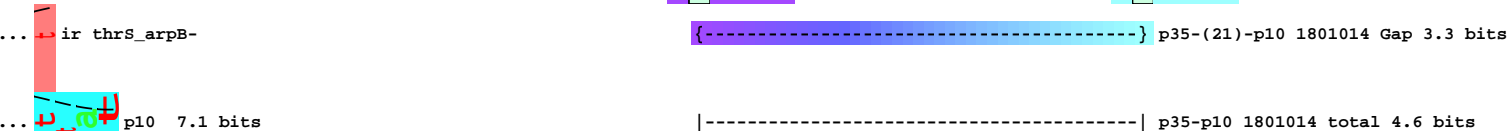
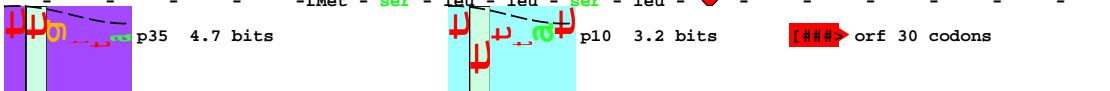


5' ^{*}ttaatcgccagaaacgaaatggtgcacgaaaaattgttataagaaattgtgtctcacttttataatcattggtgatatgaccacttcgtca3'

- fMet - his - glu - lys - leu - leu - fMet - cys - his - phe - tyr - his - cys - asp - met - thr - ser - ser -

- tyr - arg - glu - asn - glu - met - cys - thr - lys - asn - cys - tyr - lys - asn - cys - val - thr - phe - ile - ile - val - ile -

- fMet - ser - leu - leu - ser - leu -



p35 3.7 bits

... p35-(23)-p10 1800983 Gap
... p35-p10 1800983 total 7.5

*1800980 * *1800970 * *1800960 * *1800950 * *1800940 * *1800930 * *1800920 * *1800910 *

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

- leu - ile - ser - fMet - ser - val - fMet - leu - asp - ser - val - tyr - ala - ala - val - asn - pro -

p10 5.2 bits

sd ir thrS_arpB- [###- orf 4 codons
sd-(10)-ir 1800920 Gap 2.7 bits
sd-ir 1800920 thrS_arpB- total 6.1 bits

... p35-(23)-p10 1800983 Gap 1.4 bits
... p35-p10 1800983 total 7.5 bits

*1800900 * *1800890 * *1800880 * *1800870 * *1800860 * *1800850 * *1800840 * *1800830 *

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

- leu - ala - val - asn - leu - ser - asp - ala - pro - fMet - met - leu - ser - val - val - leu - fMet - phe - phe - lys - arg - phe - ala - gly - val - leu - thr - thr - asn - glu -

*1800820 * *1800810 * *1800800 * *1800790 * *1800780 * *1800770 * *1800760 * *1800750 *

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

- leu - arg - ile - glu - ser - met - fMet - lys - arg - lys - gly - thr - ile - ser - leu - phe - leu - val - leu - thr - ser - leu - asn - arg - val - glu - gly -

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

*1800740 * *1800730 * *1800720 * *1800710 * *1800700 * *1800690 * *1800680 * *1800670 *

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

- glu - arg - leu - met - ser - phe - ile - cys - val - pro - asp - cys - glu - pro - ile - fMet - leu - ala - arg - trp - phe - arg - asn - glu - leu -

- arg - gly - fMet - cys - thr - leu - ile - ala - asn - gln - phe - ser - ile - cys - trp - leu - asp - gly - phe - ala - met - asn - cys -

- fMet - cys - thr - fMet - arg - thr - asn - leu - ala - phe - val - gly - fMet - val - ser - gln -

p35 3.8 bits p10 4.5 bits

p35-(25)-p10 1800696 Gap 4.0 bits
p35-p10 1800696 total 4.3 bits

*1800660 * *1800650 * *1800640 * *1800630 * *1800620 * *1800610 * *1800600 * *1800590 *

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

- leu - ile - asn - lys - phe - phe - phe - val - cys - asp - leu - ser - cys - gly - ser - pro - leu - gln - ile - arg - ile - fMet - pro - val - ile - thr -

- fMet - tyr - val - ile - phe - arg - val - gly - his - his - cys - lys - fMet - val - ser - gln - leu - leu -

- fMet - - - fMet - trp - val - thr - thr - ala - asn - lys - asp - ile - lys - cys - leu - leu -

sd [-----] ... NC_000913.thrs

sd [-----] ... ir

sd-(8)-ir 1800594 Gap 2.4 bits
sd-ir 1800594 thrS_arpB- total 15.0 bits

*1800580 *

5' t c t t c c c 3'

- leu -

... NC_000913.thrs

... ir thrS_arpB-

