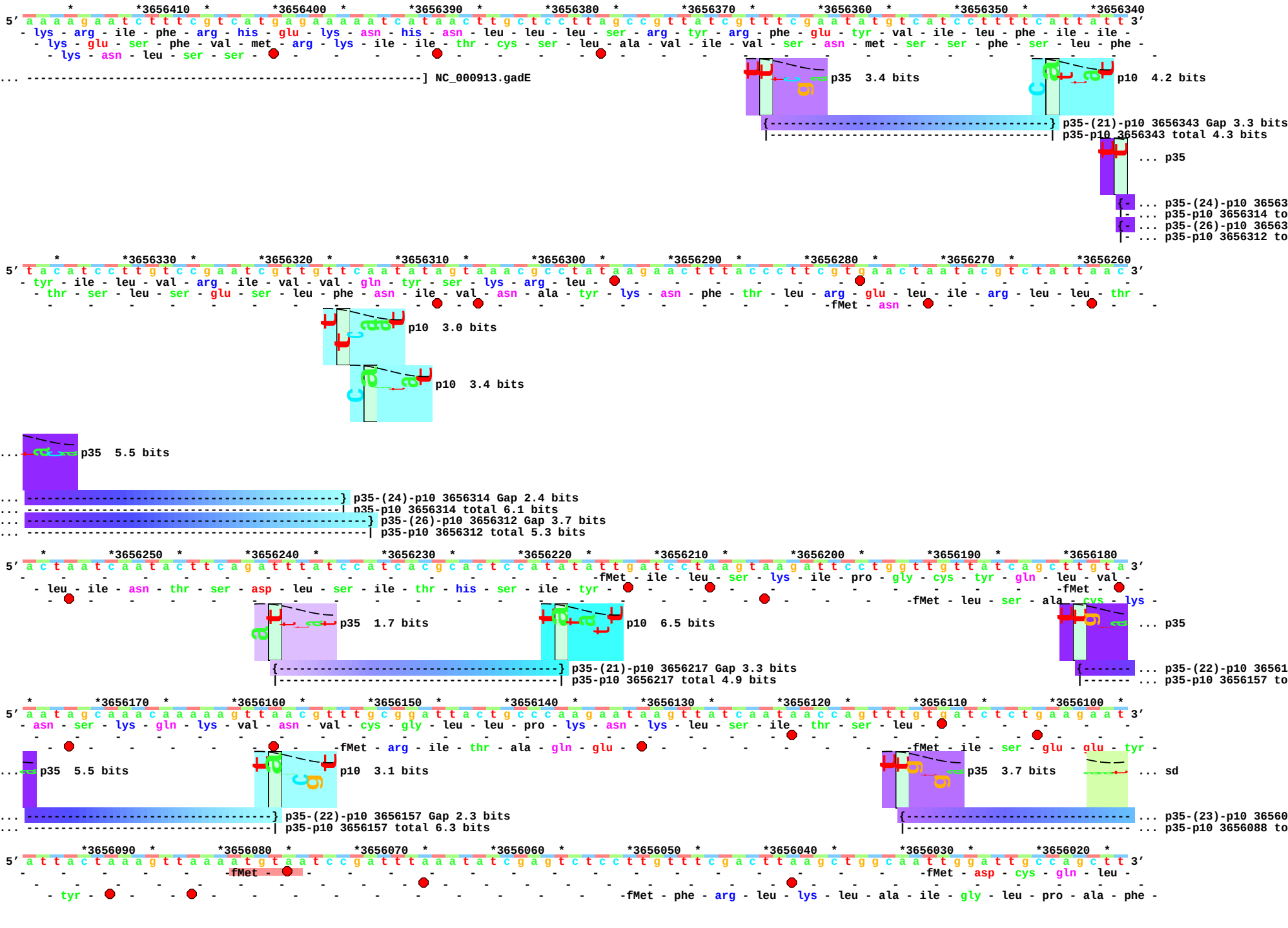
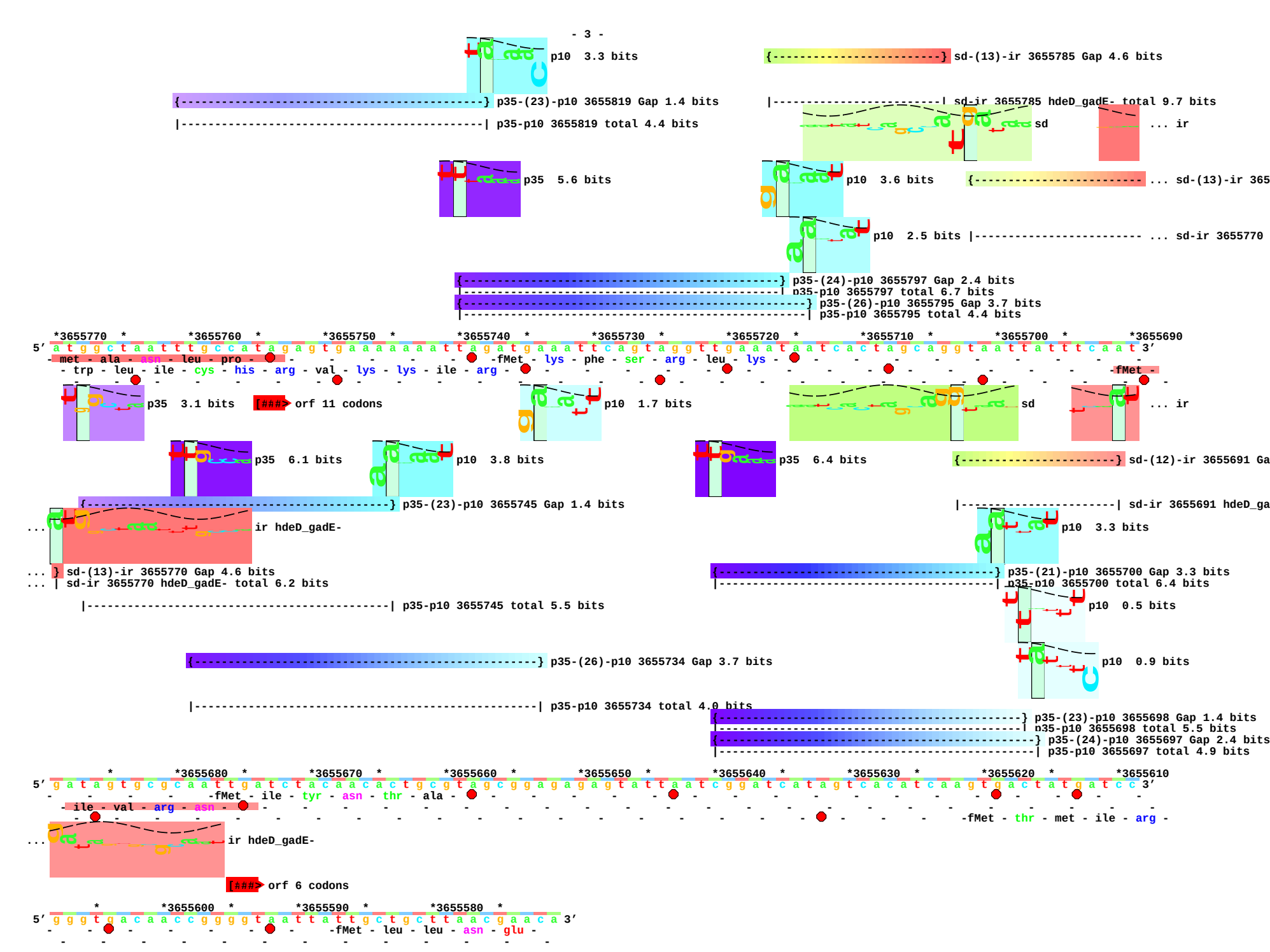
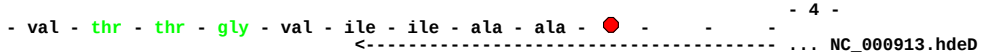
piece 1, NC_000913, hdeD_gadE-, config: linear, direction: -, begin: 3656418, end: 3655571



sd
[###> orf 2 codons
p35-(23)-p10 3656088 Gap 1.4 bits
p35-p10 3656088 total 7.4 bits
ir hdeD_gadE-
sd-(6)-ir 3656079 Gap 4.3 bits
sd-ir 3656079 hdeD_gadE- total 5.7 bits
p10 5.1 bits
p35 6.1 bits
p35-(23)-p10 3
p35-p10 365599
p35-(24)-p10 3
p35-p10 365599
*3656010
*3656000
*3655990
*3655980
*3655970
*3655960
*3655950
*3655940
5′ t c t t t t a a c g c a t t g a a a t t a c c t g a g t a a a t a a c g c a t t c a t g t c t t c a g g t t t t t a t a g c g t c t g g a g a c a c g g a t a 3′
- ser - phe - asn - ala - leu - lys - leu - pro - glu -
- phe -
-fMet - ser - ser - gly - phe - tyr - ile - ala - ser - gly - asn - thr - asp - ile -
p10 0.6 bits
... sd
p35-(23)-p10 3655999 Gap 1.4 bits
p35-p10 3655999 total 5.3 bits
p35-(24)-p10 3655998 Gap 2.4 bits
p35-p10 3655998 total 5.3 bits
p10 1.7 bits
p35 4.7 bits
... sd-(7)-ir 3655
... sd-ir 3655929
... p10
p35-(23)-p10 3655935 Ga
p35-p10 3655935 total 5
*3655930
*3655920
*3655910
*3655900
*3655890
*3655880
*3655870
*3655860
5′ t t t a t g c a a t g t a a t c a a c g c c a g t t g c a a a a a a a t g a a c c c g g a t t a c t t a t t t a a c c g c c c a t a g c a t c a a c g c t t a c g 3′
-fMet - gln - cys - asn - gln - arg - gln - leu - gln - lys - asn - glu - pro - gly - leu - leu - ile -
- tyr - ala - met -
-fMet - asn - pro - asp - tyr - leu - phe - asn - arg - pro -
sd
p35 3.6 bits
p10 3.8 bits
[###> orf 18 codons
sd-(7)-ir 3655929 Gap 3.7 bits
sd-ir 3655929 hdeD_gadE- total 6.0 bits
p10 2.4 bits
p35-(21)-p10 3655901 Gap 3.3 bits
ir hdeD_gadE-
p35-p10 3655901 total 4.1 bits
*3655850
*3655840
*3655830
*3655820
*3655810
*3655800
*3655790
*3655780
5′ g a a c t c t t t g t t c a c t t t c c c a c a g c a c t t t t a a a a c a t t a a a c c t g a c t a c g g a a a a t a t c a g c c a t g a t a a t g t t t g a a a 3′
-fMet - phe - thr - phe - pro - gln - his - phe -
-fMet - ile - met - phe - glu -
-fMet - lys -
p35 2.5 bits
sd
ir hdeD_gadE-


- 3 -
p10 3.3 bits
sd-(13)-ir 3655785 Gap 4.6 bits
p35-(23)-p10 3655819 Gap 1.4 bits
p35-p10 3655819 total 4.4 bits
sd-ir 3655785 hdeD_gadE- total 9.7 bits
sd
... ir
p35 5.6 bits
p10 3.6 bits
... sd-(13)-ir 365
p10 2.5 bits
... sd-ir 3655770
p35-(24)-p10 3655797 Gap 2.4 bits
p35-p10 3655797 total 6.7 bits
p35-(26)-p10 3655795 Gap 3.7 bits
p35-p10 3655795 total 4.4 bits
*3655770 *3655760 *3655750 *3655740 *3655730 *3655720 *3655710 *3655700 *3655690
5' a t g g c t a a t t t g c c a t a g a g t g a a a a a a a t t a g a t g a a a t t c a g t a g g t t g a a a t a a t c a c t a g c a g g t a a t t a t t t c a a t 3'
met - ala - asn - leu - pro - fMet - lys - phe - ser - arg - leu - lys -
trp - leu - ile - cys - his - arg - val - lys - lys - ile - arg - fMet -
p35 3.1 bits
orf 11 codons
p10 1.7 bits
sd
... ir
p35 6.1 bits
p10 3.8 bits
p35 6.4 bits
sd-(12)-ir 3655691 Ga
p35-(23)-p10 3655745 Gap 1.4 bits
... ir hdeD_gadE-
... } sd-(13)-ir 3655770 Gap 4.6 bits
... | sd-ir 3655770 hdeD_gadE- total 6.2 bits
p35-p10 3655745 total 5.5 bits
sd-ir 3655691 hdeD_ga
p10 3.3 bits
p35-(21)-p10 3655700 Gap 3.3 bits
p35-p10 3655700 total 6.4 bits
p10 0.5 bits
p10 0.9 bits
p35-(26)-p10 3655734 Gap 3.7 bits
p35-p10 3655734 total 4.0 bits
p35-(23)-p10 3655698 Gap 1.4 bits
p35-p10 3655698 total 5.5 bits
p35-(24)-p10 3655697 Gap 2.4 bits
p35-p10 3655697 total 4.9 bits
*3655680 *3655670 *3655660 *3655650 *3655640 *3655630 *3655620 *3655610
5' g a t a g t g c g c a a t t g a t c t a c a a c a c t g c g t a g c g g a g a g a t t a a t c g g a t c a t a g t c a c a t c a a g t g a c t a t g a t c c 3'
fMet - ile - tyr - asn - thr - ala -
ile - val - arg - asn -
fMet - thr - met - ile - arg -
... ir hdeD_gadE-
orf 6 codons
*3655600 *3655590 *3655580
5' g g g t g a c a a c c g g g g t a a t t a t t g c t g c t t a a c g a a c a 3'
fMet - leu - leu - asn - glu -


- val - thr - thr - gly - val - ile - ile - ala - ala -
... NC_000913.hdeD