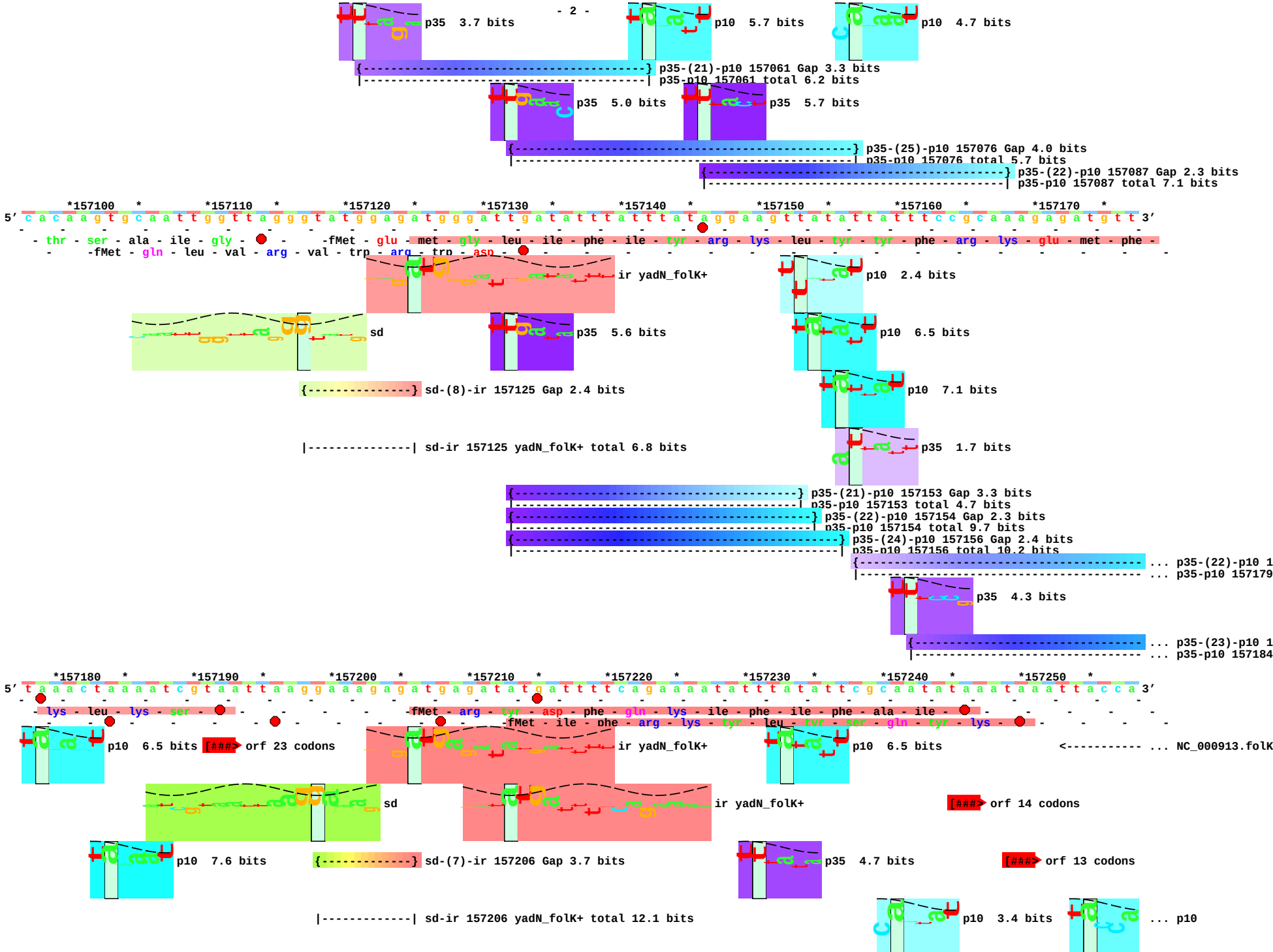
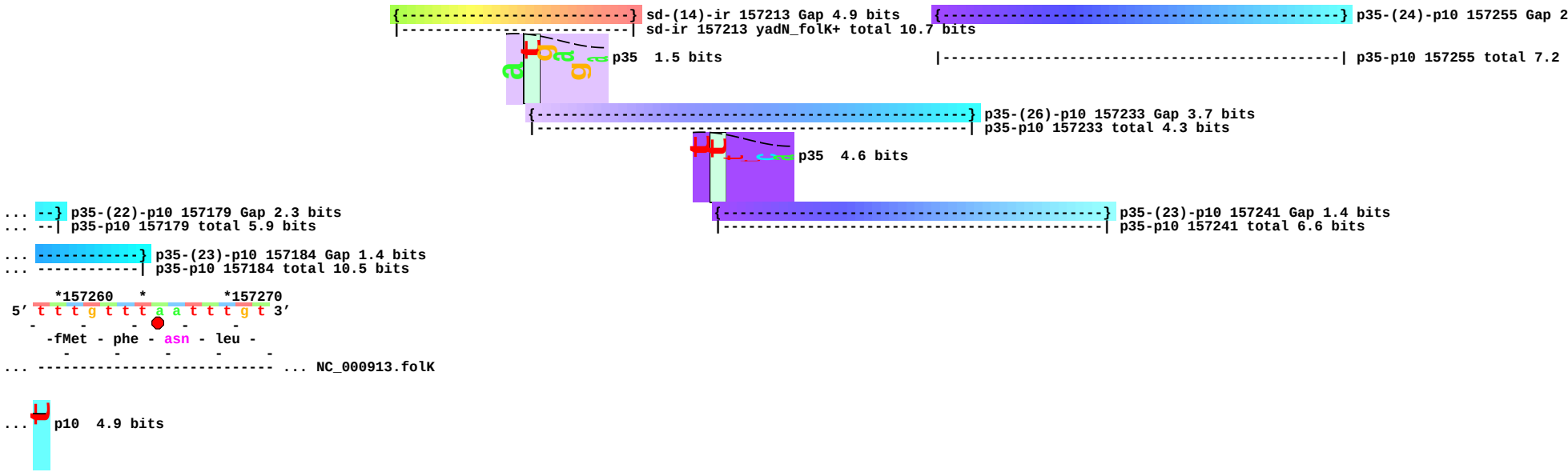
piece 1, NC_000913, yadN_folK+, config: linear, direction: +, begin: 156854, end: 157272
*156860 *156870 *156880 *156890 *156900 *156910 *156920 *156930
5′ a g a c a g g g c a a a a c c t a a t t t t t t a g a c a t a a a a t c c t t t a a t a a a a t t c c a t t a g t c a g a c t a c a t g t t t g a a g a a t g a 3′
- arg - gln - gly - lys - thr - -fMet - phe - glu - glu -
- asp - arg - ala - lys - pro - asn - phe - leu - asp - ile - lys - ile - leu - -fMet - lys - asn - asp -
- thr - gly - gln - asn - leu - ile - phe - -fMet - thr -
... ----------] NC_000913.yadN
p10 7.6 bits
sd
p35 3.8 bits
p10 1.9 bits
{---------- ... sd-(12)-ir 156941
{----------} p35-(23)-p10 156898 Gap 1.4 bits
|---------- ... sd-ir 156941 yadN_
|----------| p35-p10 156898 total 9.9 bits
p35 3.7 bits
{----------} p35-(23)-p10 156899 Gap 1.4 bits
|----------| p35-p10 156899 total 4.2 bits
*156940 *156950 *156960 *156970 *156980 *156990 *157000 *157010
5′ c t a t t c a t g a c a c a a a t a g g a g a a a c a a a t g t t a g a t a t t a a t g a g c a a t g a t a t t t g t t a c c c a a a t t t a c a a c c a t t g t 3′
-fMet - thr - gln - ile - gly - glu - thr - asn - val - arg - tyr - -fMet - ile - phe - val - thr - gln - ile - tyr - asn - his - cys -
- tyr - ser - -fMet - leu - asp - ile - asn - glu - gln - -fMet - leu - pro - lys - phe - thr - thr - ile - val -
- ile - his - asp - thr - asn - arg - arg - asn - lys - cys - -fMet - ser - asn - asp - ile - cys - tyr - pro - asn - leu - gln - pro - leu - phe -
ir yadN_folK+
[###> orf 12 codons [###> orf 8 codons
... ----------} sd-(12)-ir 156941 Gap 4.0 bits
ir yadN_folK+
... ----------| sd-ir 156941 yadN_folK+ total 8.4 bits
ir yadN_folK+
sd
{----------} sd-(11)-ir 156976 Gap 3.0 bits
{----------} sd-(9)-ir 156963 Gap 2.3 bits
ir yadN_folK+
|----------| sd-ir 156963 yadN_folK+ total 13.5 bits
sd
{---------} sd-(5)-ir 156983 Gap 5.4 bits
|----------| sd-ir 156976 yadN_folK+ total 6.5 bits
sd
|---------| sd-ir 156983 yadN_folK+ total 6.6 bits
*157020 *157030 *157040 *157050 *157060 *157070 *157080 *157090
5′ t c a t t a g g t c g c c t a t t g t g c a c t t t a g a a g c t t t t g a a c a a a t t a c t t a a t t c a a a a t t a a g t a a a a a t a a g t t 3′
- ser - leu - gly - arg - leu - leu - cys - thr - leu - glu - ala - phe - glu - gln - ile - lys - phe - thr -
- his - -fMet - asn - lys - leu - asn - leu - leu - asn - ser - lys - leu - ser - lys - asn - lys - phe -
- ile - arg - ser - pro - ile - val - his - phe - arg - ser - phe -
[###> orf 26 codons
[###> orf 30 codons
p10 3.8 bits


- 2 -
p35 3.7 bits
p10 5.7 bits
p10 4.7 bits
p35-(21)-p10 157061 Gap 3.3 bits
p35-p10 157061 total 6.2 bits
p35 5.0 bits
p35 5.7 bits
p35-(25)-p10 157076 Gap 4.0 bits
p35-p10 157076 total 5.7 bits
p35-(22)-p10 157087 Gap 2.3 bits
p35-p10 157087 total 7.1 bits
*157100 *157110 *157120 *157130 *157140 *157150 *157160 *157170
5' c a c a a g t g c a a t t g g t t a g g g t a t g g a g a t g g g a t t g a t a t t t a t t t a t a g g a a g t t a t a t t a t t t c c g c a a a g a g a t g t t 3'
- thr - ser - ala - ile - gly - -fMet - glu - met - gly - leu - ile - phe - ile - tyr - arg - lys - leu - tyr - tyr - phe - arg - lys - glu - met - phe -
-fMet - gln - leu - val - arg - val - trp - arg - trp - asp -
ir yadN_folK+
p10 2.4 bits
sd
p35 5.6 bits
p10 6.5 bits
sd-(8)-ir 157125 Gap 2.4 bits
p10 7.1 bits
sd-ir 157125 yadN_folK+ total 6.8 bits
p35 1.7 bits
p35-(21)-p10 157153 Gap 3.3 bits
p35-p10 157153 total 4.7 bits
p35-(22)-p10 157154 Gap 2.3 bits
p35-p10 157154 total 9.7 bits
p35-(24)-p10 157156 Gap 2.4 bits
p35-p10 157156 total 10.2 bits
... p35-(22)-p10 1
... p35-p10 157179
p35 4.3 bits
... p35-(23)-p10 1
... p35-p10 157184
*157180 *157190 *157200 *157210 *157220 *157230 *157240 *157250
5' t a a a c t a a a a t c g t a a t t a a g g a a a g a g a t g a g a t a t g a t t t t c a g a a a a t a t t t a t a t t c g c a a t a t a a a t a a a t t a c c a 3'
- lys - leu - lys - ser - -fMet - arg - tyr - asp - phe - gln - lys - ile - phe - ile - phe - ala - ile -
-fMet - ile - phe - arg - lys - tyr - leu - tyr - ser - gln - tyr - lys -
p10 6.5 bits [###> orf 23 codons
ir yadN_folK+
p10 6.5 bits
<---------- ... NC_000913.folK
sd
ir yadN_folK+
[###> orf 14 codons
p10 7.6 bits
sd-(7)-ir 157206 Gap 3.7 bits
p35 4.7 bits
[###> orf 13 codons
sd-ir 157206 yadN_folK+ total 12.1 bits
p10 3.4 bits
... p10


sd-(14)-ir 157213 Gap 4.9 bits
sd-ir 157213 yadN_folK+ total 10.7 bits
p35 1.5 bits
p35-(24)-p10 157255 Gap 2
p35-p10 157255 total 7.2
p35-(26)-p10 157233 Gap 3.7 bits
p35-p10 157233 total 4.3 bits
p35 4.6 bits
... p35-(22)-p10 157179 Gap 2.3 bits
... p35-p10 157179 total 5.9 bits
p35-(23)-p10 157241 Gap 1.4 bits
p35-p10 157241 total 6.6 bits
... p35-(23)-p10 157184 Gap 1.4 bits
... p35-p10 157184 total 10.5 bits
*157260
*157270
5' t t t g t t t a a t t t g t 3'
-fMet - phe - asn - leu -
... NC_000913.folK
p10 4.9 bits