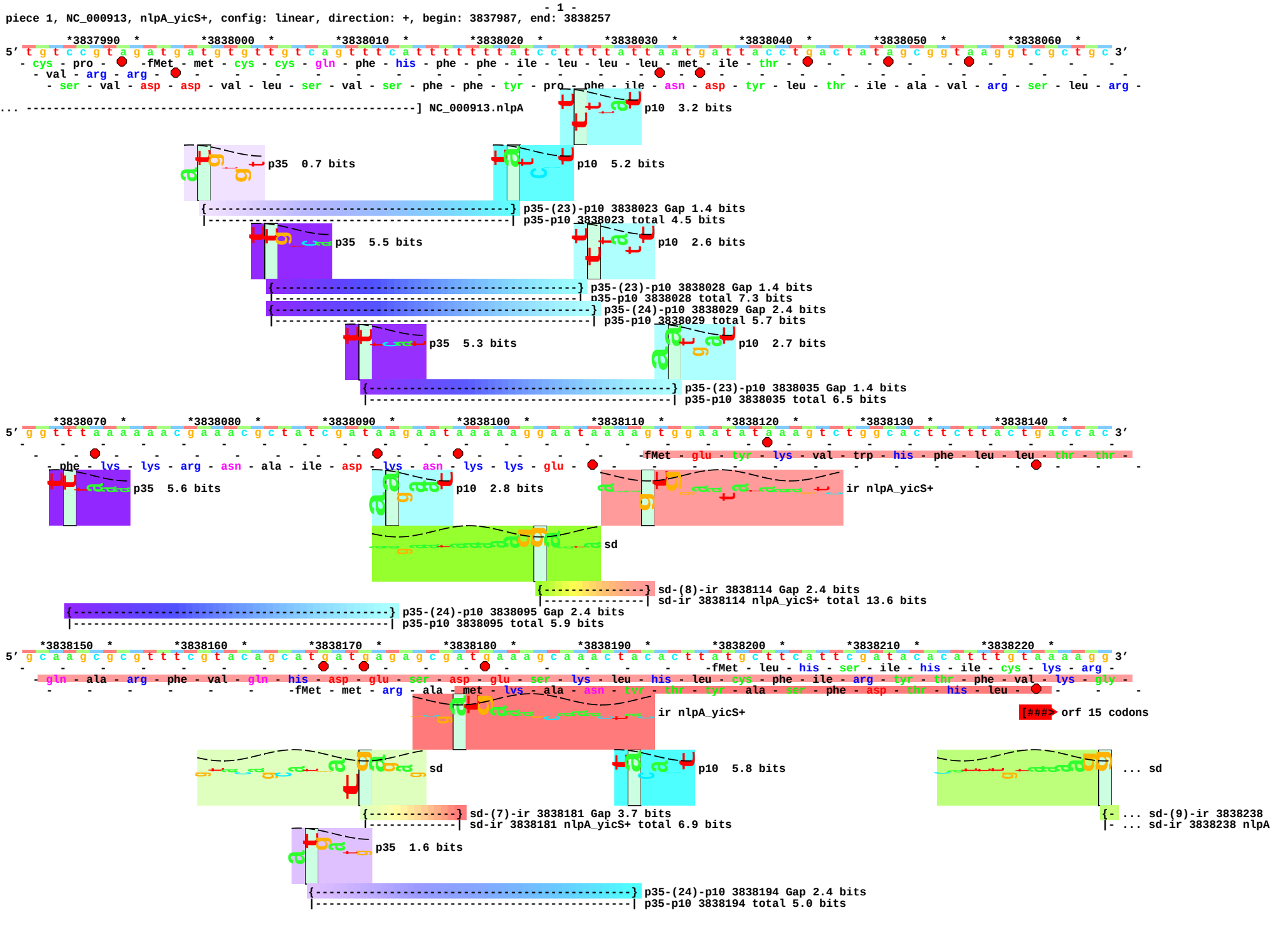
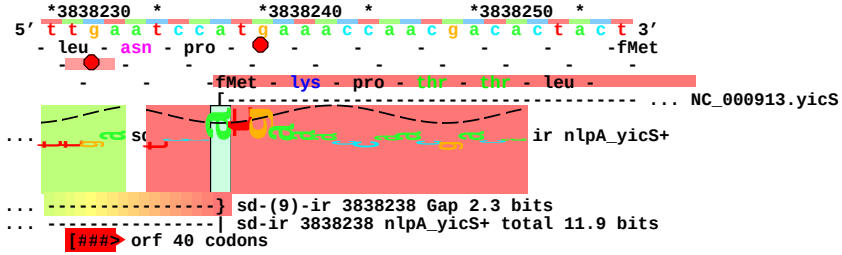

piece 1, NC_000913, nlpA_yicS+, config: linear, direction: +, begin: 3837987, end: 3838257
*3837990 *3838000 *3838010 *3838020 *3838030 *3838040 *3838050 *3838060 *
5′ t g t c c g t a g a t g a t g t g t t g t c a g t t t c a t t t t t t t a t c c t t t t a t t a a t g a t t a c c t g a c t a t a g c g g t a a g g t c g c t g c 3′
- cys - pro - -fMet - met - cys - cys - gln - phe - his - phe - phe - ile - leu - leu - leu - met - ile - thr - - - - - - - - - - - - - - -
- val - arg - arg -
- ser - val - asp - asp - val - leu - ser - val - ser - phe - phe - tyr - pro - phe - ile - asn - asp - tyr - leu - thr - ile - ala - val - arg - ser - leu - arg -
... ----------] NC_000913.nlpA
p10 3.2 bits
p35 0.7 bits
p10 5.2 bits
} p35-(23)-p10 3838023 Gap 1.4 bits
| p35-p10 3838023 total 4.5 bits
p35 5.5 bits
p10 2.6 bits
} p35-(23)-p10 3838028 Gap 1.4 bits
| p35-p10 3838028 total 7.3 bits
} p35-(24)-p10 3838029 Gap 2.4 bits
| p35-p10 3838029 total 5.7 bits
p35 5.3 bits
p10 2.7 bits
} p35-(23)-p10 3838035 Gap 1.4 bits
| p35-p10 3838035 total 6.5 bits
*3838070 *3838080 *3838090 *3838100 *3838110 *3838120 *3838130 *3838140 *
5′ g g t t t a a a a a c g a a a c g c t a t c g a t a a g a a t a a a a a g g a a t a a a a g t g g a a t a t a a a g t c t g g c a c t t c t t a c t g a c c a c 3′
-fMet - glu - tyr - lys - val - trp - his - phe - leu - leu - thr - thr -
- phe - lys - lys - arg - asn - ala - ile - asp - lys - asn - lys - lys - glu -
p35 5.6 bits
p10 2.8 bits
ir nlpA_yicS+
sd
} sd-(8)-ir 3838114 Gap 2.4 bits
| sd-ir 3838114 nlpA_yicS+ total 13.6 bits
} p35-(24)-p10 3838095 Gap 2.4 bits
| p35-p10 3838095 total 5.9 bits
*3838150 *3838160 *3838170 *3838180 *3838190 *3838200 *3838210 *3838220 *
5′ g c a a g c g c g t t t c g t a c a g c a t g a t g a g a g c g a t g a a a g c a a a c t a c a c t t a t g c t t c a t t c g a t a c a c a t t t g t a a a a g g 3′
-fMet - leu - his - ser - ile - his - ile - cys - lys - arg -
- gln - ala - arg - phe - val - gln - his - asp - glu - ser - asp - glu - ser - lys - leu - his - leu - cys - phe - ile - arg - tyr - thr - phe - val - lys - gly -
-fMet - met - arg - ala - met - lys - ala - asn - tyr - thr - tyr - ala - ser - phe - asp - thr - his - leu -
ir nlpA_yicS+
[###> orf 15 codons
sd
p10 5.8 bits
... sd
} sd-(7)-ir 3838181 Gap 3.7 bits
| sd-ir 3838181 nlpA_yicS+ total 6.9 bits
{- ... sd-(9)-ir 3838238
|- ... sd-ir 3838238 nlpA
p35 1.6 bits
} p35-(24)-p10 3838194 Gap 2.4 bits
| p35-p10 3838194 total 5.0 bits


*3838230 *
*3838240 *
*3838250 *
5’ t t g a a t c c a t g a a a c c a a c g a c a c t a c t 3’
- leu - asn - pro -
-fMet
-fMet - lys - pro - thr - thr - leu -
[------------------------------------ ... NC_000913.yicS
... sd
ir nlpA_yicS+
... ----------------} sd-(9)-ir 3838238 Gap 2.3 bits
... ----------------| sd-ir 3838238 nlpA_yicS+ total 11.9 bits
[###> orf 40 codons