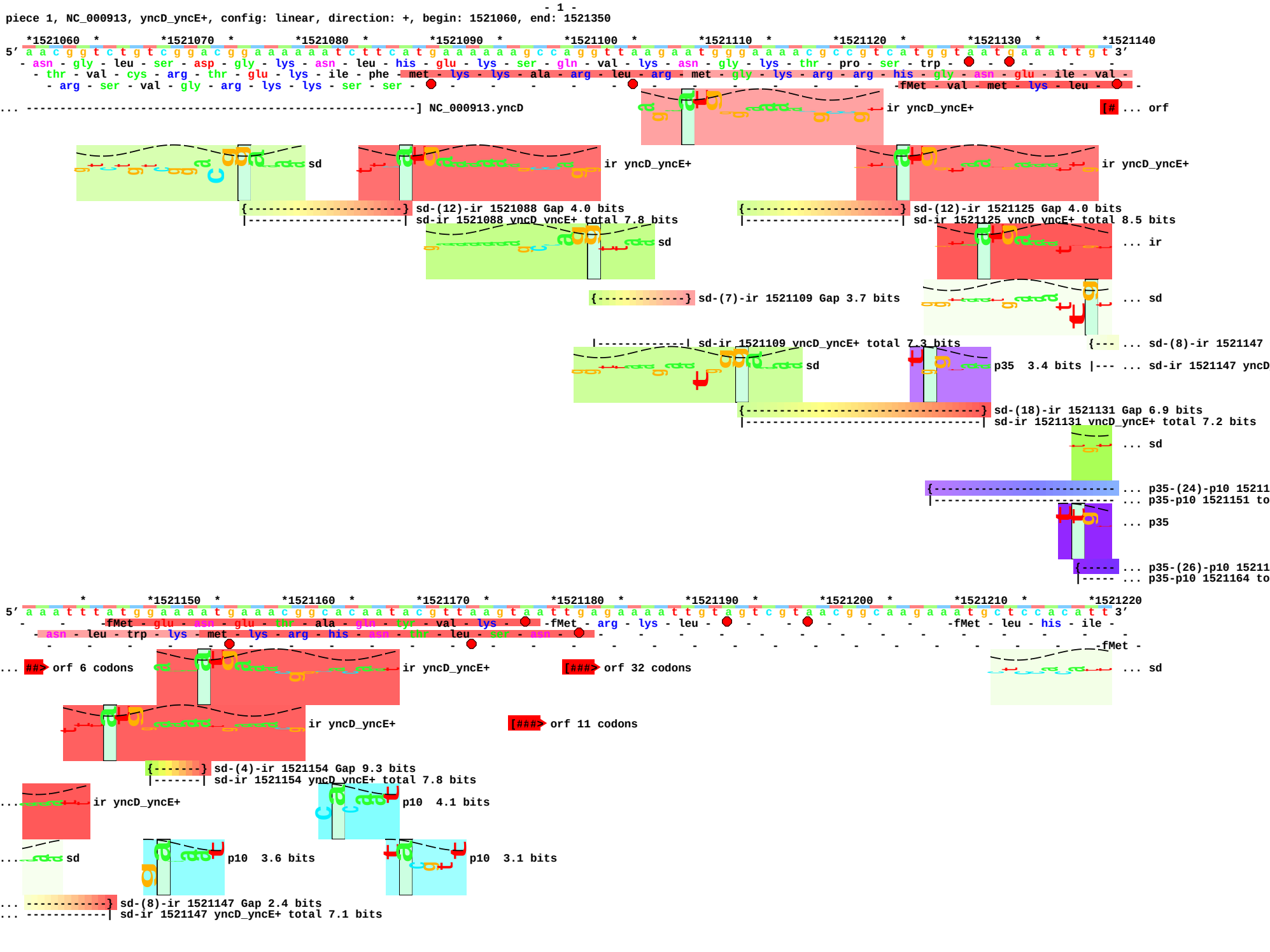
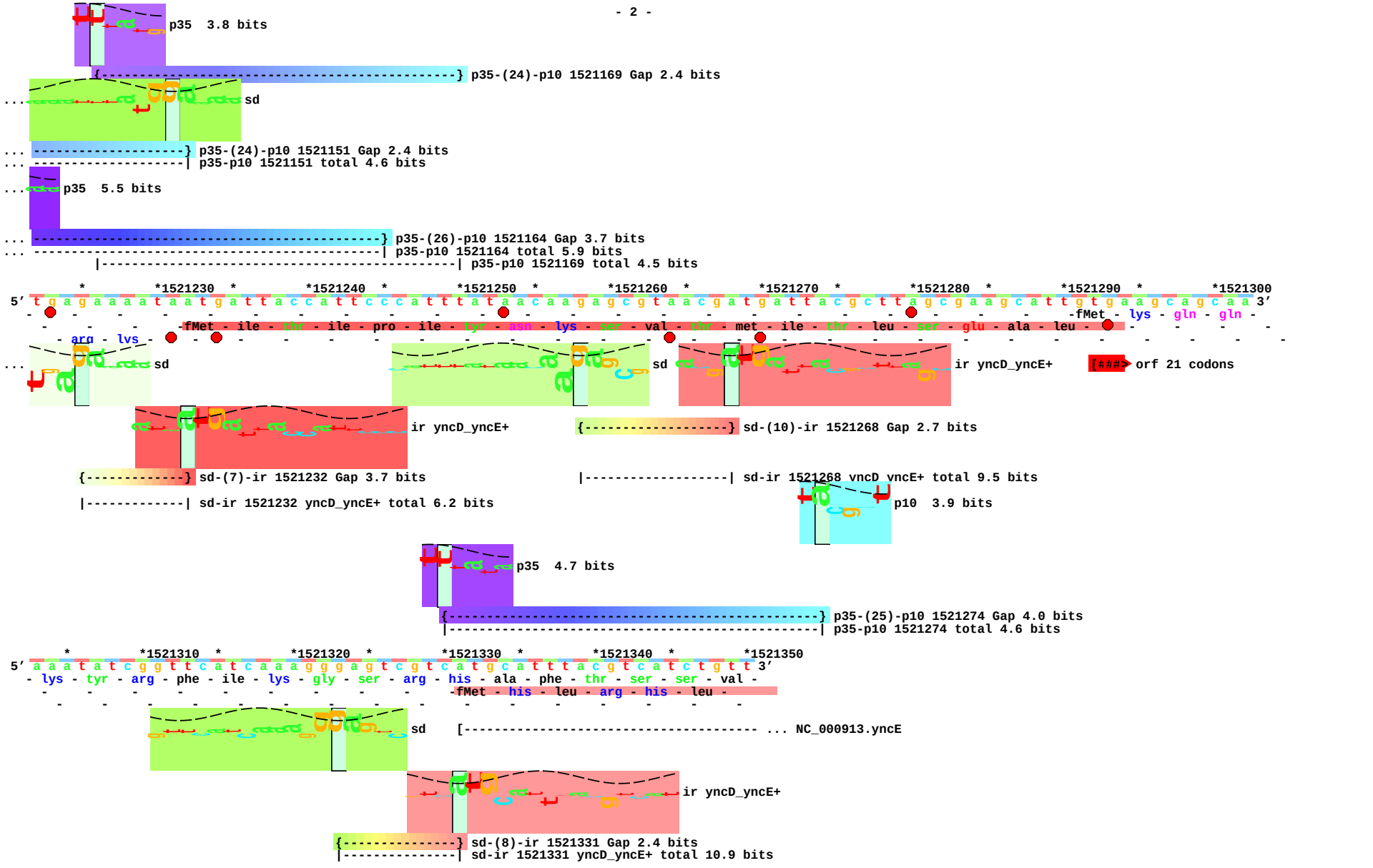

piece 1, NC_000913, yncD_yncE+, config: linear, direction: +, begin: 1521060, end: 1521350
*1521060 *1521070 *1521080 *1521090 *1521100 *1521110 *1521120 *1521130 *1521140
5′ a a c g g t c t g t c g g a c g g a a a a a a t c t t c a t g a a a a a a g c c a g g t t a a g a a t g g g a a a a c g c c g t c a t g g t a a t g a a a t t g t 3′
- asn - gly - leu - ser - asp - gly - lys - asn - leu - his - glu - lys - ser - gln - val - lys - asn - gly - lys - thr - pro - ser - trp -
- thr - val - cys - arg - thr - glu - lys - ile - phe - met - lys - lys - ala - arg - leu - arg - met - gly - lys - arg - arg - his - gly - asn - glu - ile - val -
- arg - ser - val - gly - arg - lys - lys - ser - ser - fMet - val - met - lys - leu -
...] NC_000913.yncD
ir yncD_yncE+
[# ... orf
sd
ir yncD_yncE+
ir yncD_yncE+
{ } sd-(12)-ir 1521088 Gap 4.0 bits
| | sd-ir 1521088 yncD_yncE+ total 7.8 bits
{ } sd-(12)-ir 1521125 Gap 4.0 bits
| | sd-ir 1521125 yncD_yncE+ total 8.5 bits
sd
... ir
{ } sd-(7)-ir 1521109 Gap 3.7 bits
... sd
| | sd-ir 1521109 yncD_yncE+ total 7.3 bits
{--- ... sd-(8)-ir 1521147
sd
p35 3.4 bits |--- ... sd-ir 1521147 yncD
{ } sd-(18)-ir 1521131 Gap 6.9 bits
| | sd-ir 1521131 yncD_yncE+ total 7.2 bits
... sd
{ ... p35-(24)-p10 15211
| ... p35-p10 1521151 to
... p35
{----- ... p35-(26)-p10 15211
|----- ... p35-p10 1521164 to
*1521150 *1521160 *1521170 *1521180 *1521190 *1521200 *1521210 *1521220
5′ a a a t t t a t g g a a a a t g a a a c g g c a c a a t a c g t t a a g t a a t t g a g a a a a t t g t a g t c g t a a c g g c a a g a a a t g c t c c a c a t t 3′
- fMet - glu - asn - glu - thr - ala - gln - tyr - val - lys - fMet - arg - lys - leu - fMet - leu - his - ile -
- asn - leu - trp - lys - met - lys - arg - his - asn - thr - leu - ser - asn - fMet -
... ##> orf 6 codons
ir yncD_yncE+
[###> orf 32 codons
... sd
ir yncD_yncE+
[###> orf 11 codons
{ } sd-(4)-ir 1521154 Gap 9.3 bits
| | sd-ir 1521154 yncD_yncE+ total 7.8 bits
... ir yncD_yncE+
p10 4.1 bits
... sd
p10 3.6 bits
p10 3.1 bits
... { } sd-(8)-ir 1521147 Gap 2.4 bits
... | | sd-ir 1521147 yncD_yncE+ total 7.1 bits


p35 3.8 bits
p35-(24)-p10 1521169 Gap 2.4 bits
sd
p35-(24)-p10 1521151 Gap 2.4 bits
p35-p10 1521151 total 4.6 bits
p35 5.5 bits
p35-(26)-p10 1521164 Gap 3.7 bits
p35-p10 1521164 total 5.9 bits
p35-p10 1521169 total 4.5 bits
*1521230
*1521240
*1521250
*1521260
*1521270
*1521280
*1521290
*1521300
5' t g a g a a a a t a a t g a t t a c c a t t c c c a t t t a t a a c a a g a g c g t a a c g a t g a t t a c g c t t a g c g a a g c a t t g t g a a g c a g c a a 3'
fMet - ile - thr - ile - pro - ile - tyr - asn - lys - ser - val - thr - met - ile - thr - leu - ser - glu - ala - leu -
arg - lys -
sd
sd
ir yncD_yncE+
orf 21 codons
ir yncD_yncE+
sd-(10)-ir 1521268 Gap 2.7 bits
sd-(7)-ir 1521232 Gap 3.7 bits
sd-ir 1521268 yncD_yncE+ total 9.5 bits
sd-ir 1521232 yncD_yncE+ total 6.2 bits
p10 3.9 bits
p35 4.7 bits
p35-(25)-p10 1521274 Gap 4.0 bits
p35-p10 1521274 total 4.6 bits
*1521310
*1521320
*1521330
*1521340
*1521350
5' a a a t a t c g g t t c a t c a a a g g g a g t c g t c a t g c a t t t a c g t c a t c t g t t 3'
lys - tyr - arg - phe - ile - lys - gly - ser - arg - his - ala - phe - thr - ser - ser - val -
fMet - his - leu - arg - his - leu -
sd
NC_000913.yncE
ir yncD_yncE+
sd-(8)-ir 1521331 Gap 2.4 bits
sd-ir 1521331 yncD_yncE+ total 10.9 bits