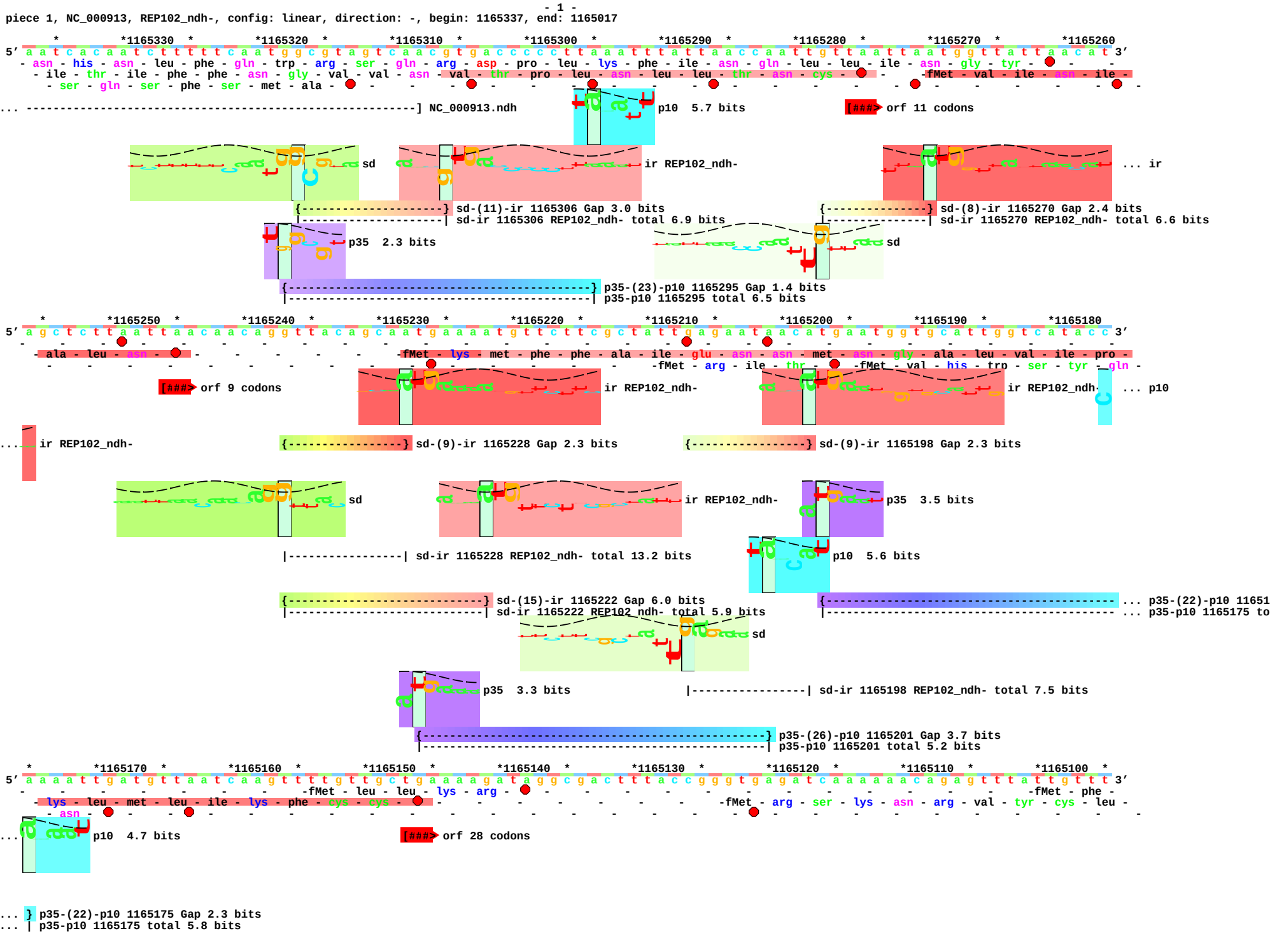
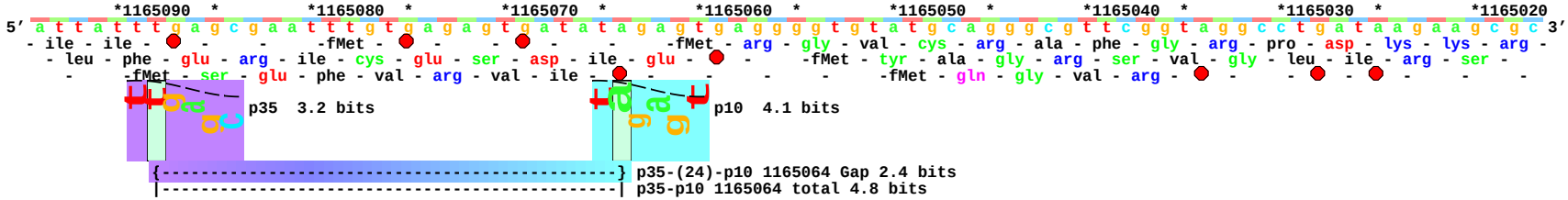

piece 1, NC_000913, REP102_ndh-, config: linear, direction: -, begin: 1165337, end: 1165017
*1165330 *1165320 *1165310 *1165300 *1165290 *1165280 *1165270 *1165260
5′ a a t c a c a a t c t t t t t c a a t g g c g t a g t c a a c g t g a c c c c t t a a t t t a t t a a c c a a t t g t t a a t t a a t g g t t a t t a a c a t 3′
- asn - his - asn - leu - phe - gln - trp - arg - ser - gln - arg - asp - pro - leu - lys - phe - ile - asn - gln - leu - leu - ile - asn - gly - tyr -
- ile - thr - ile - phe - phe - asn - gly - val - val - asn - val - thr - pro - leu - asn - leu - leu - thr - asn - cys - -fMet - val - ile - asn - ile -
- ser - gln - ser - phe - ser - met - ala -
...] NC_000913.ndh
p10 5.7 bits
[###> orf 11 codons
sd
ir REP102_ndh-
... ir
{ } sd-(11)-ir 1165306 Gap 3.0 bits
| sd-ir 1165306 REP102_ndh- total 6.9 bits
{ } sd-(8)-ir 1165270 Gap 2.4 bits
| sd-ir 1165270 REP102_ndh- total 6.6 bits
p35 2.3 bits
sd
{ } p35-(23)-p10 1165295 Gap 1.4 bits
| p35-p10 1165295 total 6.5 bits
*1165250 *1165240 *1165230 *1165220 *1165210 *1165200 *1165190 *1165180
5′ a g c t c t t a a t t a a c a a c a g g t t a c a g c a a t g a a a a t g t t c t t c g c t a t t g a g a a t a a c a t g a a t g g t g c a t t g g t c a t a c c 3′
- ala - leu - asn -
-fMet - lys - met - phe - phe - ala - ile - glu - asn - asn - met - asn - gly - ala - leu - val - ile - pro -
-fMet - arg - ile - thr - -fMet - val - his - trp - ser - tyr - gln -
[###> orf 9 codons
ir REP102_ndh-
ir REP102_ndh-
... p10
... ir REP102_ndh-
{ } sd-(9)-ir 1165228 Gap 2.3 bits
{ } sd-(9)-ir 1165198 Gap 2.3 bits
sd
ir REP102_ndh-
p35 3.5 bits
| sd-ir 1165228 REP102_ndh- total 13.2 bits
p10 5.6 bits
{ } sd-(15)-ir 1165222 Gap 6.0 bits
| sd-ir 1165222 REP102_ndh- total 5.9 bits
{ ... p35-(22)-p10 11651
| ... p35-p10 1165175 to
sd
p35 3.3 bits
| sd-ir 1165198 REP102_ndh- total 7.5 bits
{ } p35-(26)-p10 1165201 Gap 3.7 bits
| p35-p10 1165201 total 5.2 bits
*1165170 *1165160 *1165150 *1165140 *1165130 *1165120 *1165110 *1165100
5′ a a a a t t g a t g t t a a t c a a g t t t t g t t g c t g a a a a g a t a g g c g a c t t t a c c g g g t g a g a t c a a a a a a c a g a g t t t a t t g t t t 3′
-fMet - leu - leu - lys - arg - -fMet - phe -
- lys - leu - met - leu - ile - lys - phe - cys - cys - -fMet - arg - ser - lys - asn - arg - val - tyr - cys - leu -
- asn -
... p10 4.7 bits
[###> orf 28 codons
... } p35-(22)-p10 1165175 Gap 2.3 bits
... | p35-p10 1165175 total 5.8 bits


*1165090
*1165080
*1165070
*1165060
*1165050
*1165040
*1165030
*1165020
5′ a t t a t t t g a g c g a a t t t g t g a g a g t g a t a t a g a g t g a g g g g t g t a t g c a g g g c g t t c g g t a g g c c t g a t a a g a a g c g c 3′
- ile - ile - - - - -fMet - - - - - - -fMet - arg - gly - val - cys - arg - ala - phe - gly - arg - pro - asp - lys - lys - arg -
- leu - phe - glu - arg - ile - cys - glu - ser - asp - ile - glu - - - -fMet - tyr - ala - gly - arg - ser - val - gly - leu - ile - arg - ser -
- -fMet - ser - glu - phe - val - arg - val - ile - - - - - -fMet - gln - gly - val - arg - - - - - - - -
p35 3.2 bits
p10 4.1 bits
{---} p35-(24)-p10 1165064 Gap 2.4 bits
|---| p35-p10 1165064 total 4.8 bits