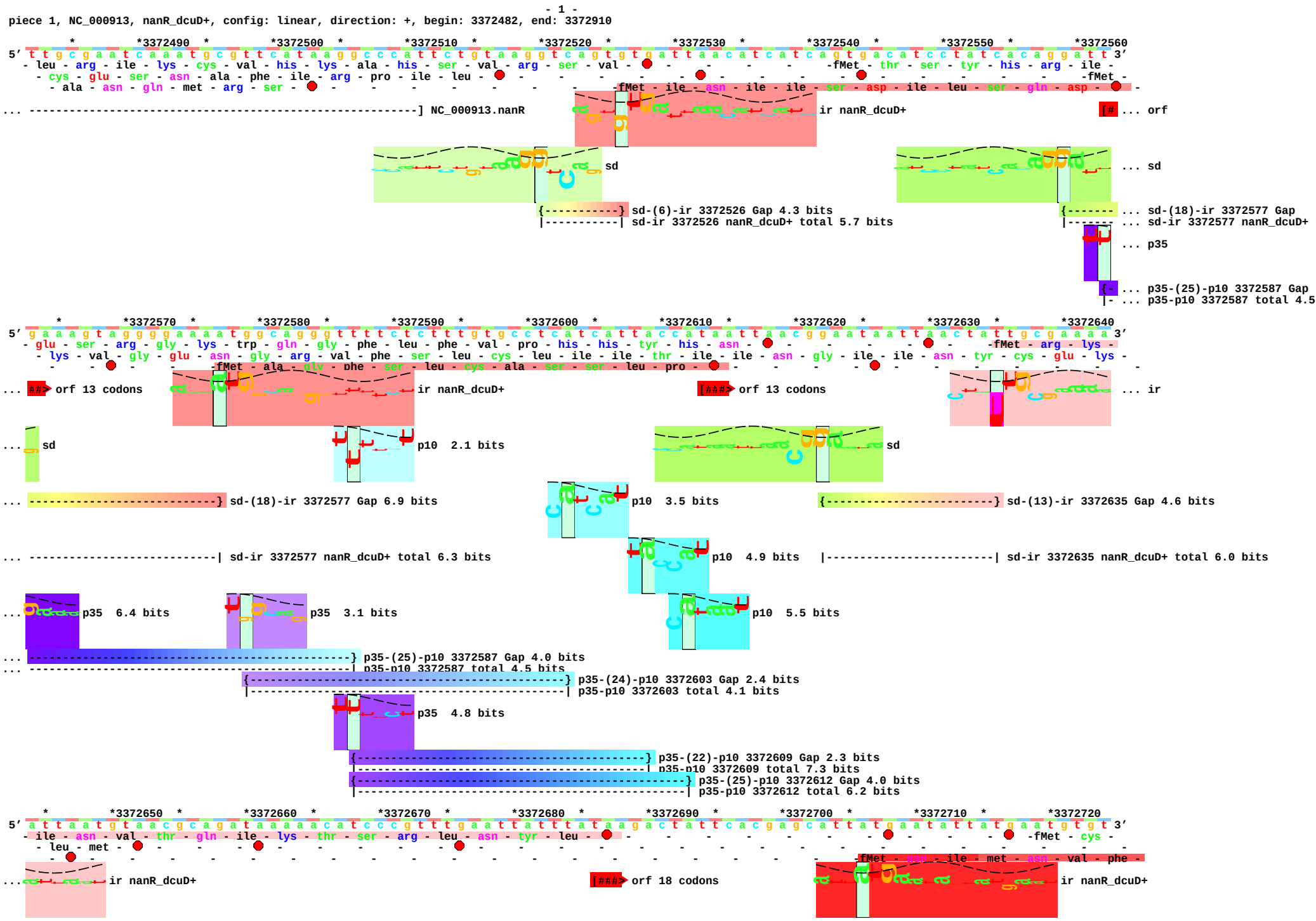
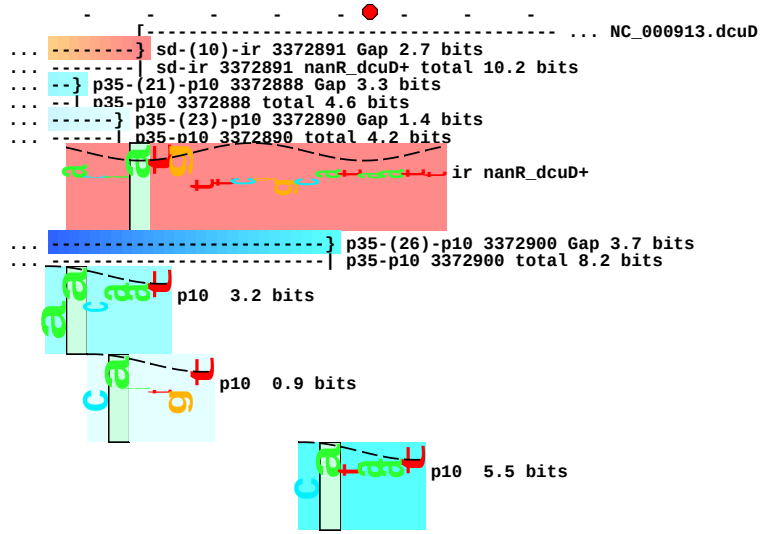

- 1 -
piece 1, NC_000913, nanR_dcuD+, config: linear, direction: +, begin: 3372482, end: 3372910
*3372490 *3372500 *3372510 *3372520 *3372530 *3372540 *3372550 *3372560
5′ t t g c g a a t c a a a t g c g t t c a t a a g g c c c a t t c t g t a a g g t c a g t g t g a t t a a c a t c a t c a g t g a c a t c c t a t c a c a g g a t t 3′
- leu - arg - ile - lys - cys - val - his - lys - ala - his - ser - val - arg - ser - val - fMet - thr - ser - tyr - his - arg - ile -
- cys - glu - ser - asn - ala - phe - ile - arg - pro - ile - leu - fMet -
- ala - asn - gln - met - arg - ser - fMet - ile - asn - ile - ile - ser - asp - ile - leu - ser - gln - asp -
...] NC_000913.nanR
ir nanR_dcuD+
[# ... orf
sd
... sd
{ sd-(6)-ir 3372526 Gap 4.3 bits
| sd-ir 3372526 nanR_dcuD+ total 5.7 bits
{ ... sd-(18)-ir 3372577 Gap
| ... sd-ir 3372577 nanR_dcuD+
... p35
{ ... p35-(25)-p10 3372587 Gap
| ... p35-p10 3372587 total 4.5
*3372570 *3372580 *3372590 *3372600 *3372610 *3372620 *3372630 *3372640
5′ g a a a g t a g g g g a a a a t g g c a g g g t t t t c t c t t t g t g c c t c a t c a t t a c c a t a a t t a a c g g a a t a a t t a a c t a t t g c g a a a a 3′
- glu - ser - arg - gly - lys - trp - gln - gly - phe - leu - phe - val - pro - his - his - tyr - his - asn - fMet - arg - lys -
- lys - val - gly - glu - asn - gly - arg - val - phe - ser - leu - cys - leu - ile - ile - thr - ile - ile - asn - gly - ile - ile - asn - tyr - cys - glu - lys -
- fMet - ala - glv - phe - ser - leu - cys - ala - ser - ser - leu - pro -
... ##> orf 13 codons
ir nanR_dcuD+
[###> orf 13 codons
... ir
... sd
p10 2.1 bits
sd
... } sd-(18)-ir 3372577 Gap 6.9 bits
p10 3.5 bits
{ sd-(13)-ir 3372635 Gap 4.6 bits
... | sd-ir 3372577 nanR_dcuD+ total 6.3 bits
p10 4.9 bits
| sd-ir 3372635 nanR_dcuD+ total 6.0 bits
... p35 6.4 bits
p35 3.1 bits
p10 5.5 bits
... } p35-(25)-p10 3372587 Gap 4.0 bits
... | p35-p10 3372587 total 4.5 bits
{ p35-(24)-p10 3372603 Gap 2.4 bits
| p35-p10 3372603 total 4.1 bits
p35 4.8 bits
{ p35-(22)-p10 3372609 Gap 2.3 bits
| p35-p10 3372609 total 7.3 bits
{ p35-(25)-p10 3372612 Gap 4.0 bits
| p35-p10 3372612 total 6.2 bits
*3372650 *3372660 *3372670 *3372680 *3372690 *3372700 *3372710 *3372720
5′ a t t a a t g t a a c g c a g a t a a a a a c a t c c c g t t t g a a t t a t t t a t a a g a c t a t t c a c g a g c a t t a t g a a t a t t a t g a a t g t g t 3′
- ile - asn - val - thr - gln - ile - lys - thr - ser - arg - leu - asn - tyr - leu - fMet - cys -
- leu - met - fMet - asn - ile - met - asn - val - phe -
... ir nanR_dcuD+
[###> orf 18 codons
ir nanR_dcuD+


- 2 -
sd
... ir
sd-(7)-ir 3372706 Gap 3.7 bits
sd-ir 3372706 nanR_dcuD+ total 10.6 bits
sd
sd-(7)-ir 3372715 Gap 3.7 bits
sd-ir 3372715 nanR_dcuD+ total 5.5 bits
p35 3.5 bits
... p35-(24)-p10 3372731 Gap
... p35-p10 3372731 total 5.8
*3372730
*3372740
*3372750
*3372760
*3372770
*3372780
*3372790
*3372800
5′ t c t t a c a a a t a a t c a t a a g c g c a t a t t t t t a a t g a a a a a t c a c c t c a c c t a c a a t t a a a a a c a c g a c a t c c g c a c c a t a 3′
- ser - tyr - lys - ile - ile - ile - ser - ala - tyr - phe - leu - met - lys - asn - his - leu - thr - tyr - asn -
- leu - gln - asn - asn - his - lys - arg - ile - phe - phe - asn - glu - lys - ser - pro - his - leu - gln - leu - lys - thr - arg - his - pro - his - his - lys -
p10 4.7 bits
p10 5.2 bits
p10 6.9 bits
... ir nanR_dcuD+
p35 5.7 bits
p35 2.3 bits
p35-(22)-p10 3372777 Gap 2.3 bits
p35-(22)-p10 3372750 Gap 2.3 bits
p35-p10 3372750 total 5.2 bits
p35-p10 3372777 total 10.3 bits
... p35-(24)-p10 3372731 Gap 2.4 bits
... p35-p10 3372731 total 5.8 bits
*3372810
*3372820
*3372830
*3372840
*3372850
*3372860
*3372870
*3372880
5′ a a t a g c c t t g c a a a a a a t a t a a c a t c g t t g t t t t c a a t c t g c c g t t t a t g g g a t t g a c c g t t t t c t t t t g a c a c g g a g t t c 3′
-fMet - phe - ser - ile - cys - arg - leu - trp - asp -
-fMet - gln - lys - ile -
-fMet - thr - arg - ser - ser -
-fMet - gly - leu - thr - val - phe - phe -
[###> orf 35 codons
p10 3.0 bits
sd
p35 6.1 bits
p35 4.8 bits
... sd-(10)-ir 3372891 Gap
p35-(25)-p10 3372839 Gap 4.0 bits
p35-p10 3372839 total 5.1 bits
... sd-ir 3372891 nanR_dcuD+
... p35-(21)-p10 3372888 Gap
... p35-p10 3372888 total 4.6
... p35-(23)-p10 3372890 Gap
... p35-p10 3372890 total 4.2
p35 6.4 bits
... p35-(26)-p10 3372900 Gap
... p35-p10 3372900 total 8.2
*3372890
*3372900
*3372910
5′ a a c a a t g t t c g g c a t a a t t a t a t c 3′
- thr - met - phe - gly - ile - ile - ile -


[---------- ... NC_000913.dcuD
} sd-(10)-ir 3372891 Gap 2.7 bits
| sd-ir 3372891 nanR_dcuD+ total 10.2 bits
} p35-(21)-p10 3372888 Gap 3.3 bits
| p35-p10 3372888 total 4.6 bits
} p35-(23)-p10 3372890 Gap 1.4 bits
| p35-p10 3372890 total 4.2 bits
ir nanR_dcuD+
} p35-(26)-p10 3372900 Gap 3.7 bits
| p35-p10 3372900 total 8.2 bits
p10 3.2 bits
p10 0.9 bits
p10 5.5 bits