

piece 1, NC_000913, gntP_uxuA+, config: linear, direction: +, begin: 4549290, end: 4549678

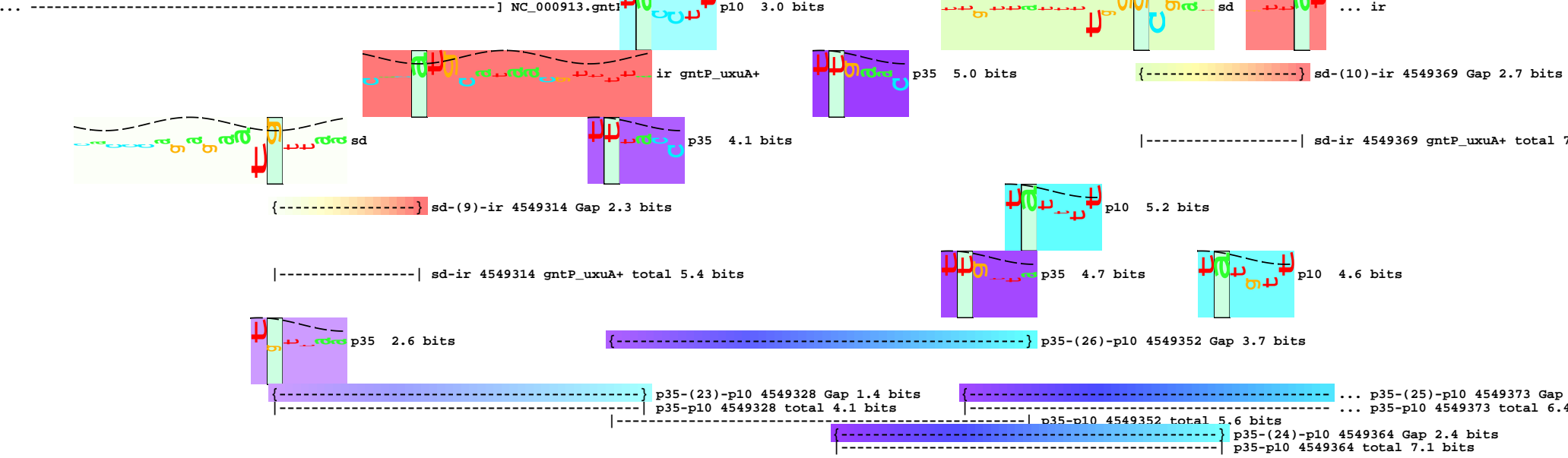
*4549290 * *4549300 * *4549310 * *4549320 * *4549330 * *4549340 * *4549350 * *4549360 * *4549370

5' t a c c a c c c a g a g a a t g t t a a g c a c a t g c a t a a c g t t t a c c t t a c c t g g t t g a a c c g t t g t t a t t t g g g c g a t a t g t a t 3'

- tyr - his - pro - glu - asn - val - lys - his - met - his - val - leu - pro - tyr - leu - val - glu - pro - leu - leu - phe - trp - ala - ile - cys - tyr -

- thr - thr - gln - arg - arg - met - leu - ser - thr - cys - ile - thr - phe - tyr - leu - thr - trp - leu - asn - arg - cys - tyr - phe - gly - arg - tyr - val - met -

- pro - pro - arg - glu - cys -



* *4549380 * *4549390 * *4549400 * *4549410 * *4549420 * *4549430 * *4549440 * *4549450

5' g t a a a t t g g t c a a c c a t t g t t g c g a t g a a t g t c a c a t c c t c t g a t c a a t a a c c a t c g a t t a c c c t t t g c t g c a a t t t g c a g 3'

- val - asn - trp - ser - thr - ile - val - ala - met - val - thr - ser - ser - asp - gln - - - -fMet - - - - gln -

- lys - leu - val - asn - his - cys - cys - asp - glu - cys - his - ile - leu - - - -fMet - leu - gln - phe - ala - ala -



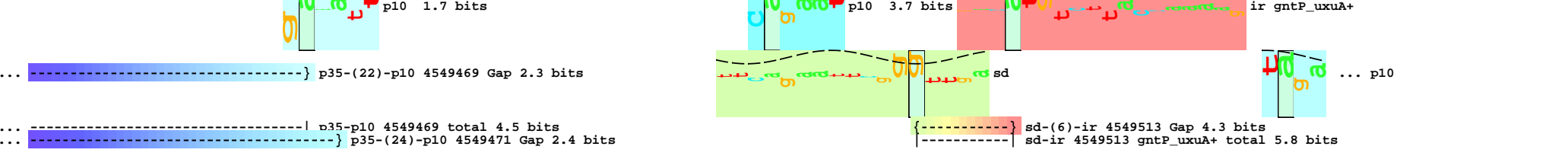
* *4549460 * *4549470 * *4549480 * *4549490 * *4549500 * *4549510 * *4549520 * *4549530

5' c a a c a a c c a t g a g a g t g a a a t t c t t g t g a t g t g g t t a a c c a a t t t c a g a a t t c g g g t t g a c a t g t c t t a c c a a a g g t a g a 3'

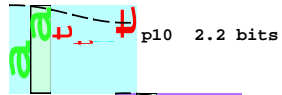
- gln - gln - pro - - - -fMet - val - asn - gln - phe - gln - asn - ser - gly - - - - met - ser - tyr - gln - lys - val - glu -

- asn - asn - his - glu - ser - glu - ile - leu - val - met - trp - leu - thr - asn - phe - arg - ile - arg - val - asp - met - thr - cys - leu - thr - lys - arg -

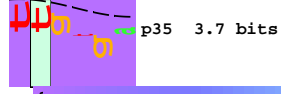
- thr - thr - met - arg - val - lys - phe - leu - - - -fMet - thr - cys - leu - thr - lys - arg -



... -----| p35-p10 4549471 total 4.9 bits



{-----} p35-(21)-p10 4549530 Gap 3.3 bits



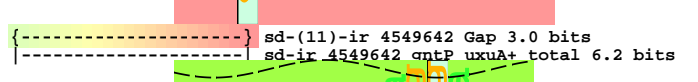
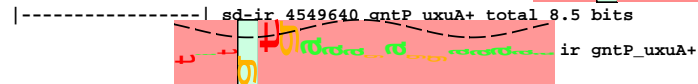
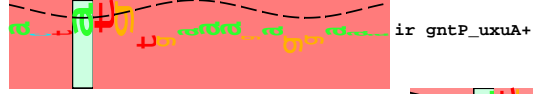
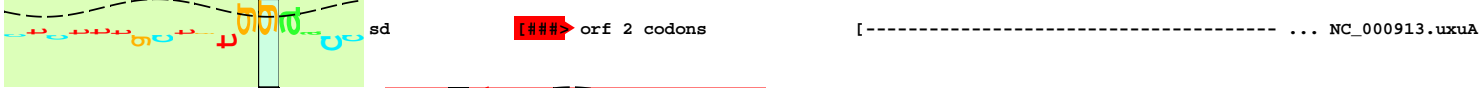
|-----| p35-p10 4549530 total 5.4 bits

{-----} p35-(22)-p10 4549498 Gap 2.3 bits
p35-p10 4549498 total 5.1 bits

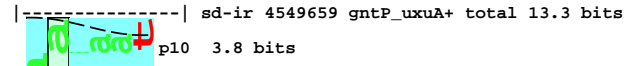
5' * 4549540 * 4549550 * 4549560 * 4549570 * 4549580 * 4549590 * 4549600 * 4549610 *
a c t t a t a c g c c a t c t c a t c c g a t g c a a c g c c a c g g a t g c c g g t c t g g t t g t t c a t c c g g a t a c c t a a a c a a c t c c a g g g t c 3'
- leu - ile - arg - his - leu - ile - arg - cys - asn - ala - thr - ala - ala - val - trp - leu - phe - ile - arg - ile - pro - lys - gln - leu - gln - gly - ser -

... p10 2.3 bits

* 4549620 * 4549630 * 4549640 * 4549650 * 4549660 * 4549670 *
c g c g t c t c t t t g c t g t g g a a c c c a c t a t g t g a a g g a g g a a a a t c a t g g a a c a g a c c t g g c g c t g 3'
- fMet - leu - trp - asn - pro - leu - cys - glu - arg - gly - lys - ile - met - glu - gln - thr - trp - arg -
- ala - ser - leu - cys - cys - gly - thr - his - tyr - val - lys - glu - glu - lys - ser - trp - asn - arg - pro - gly - ala -



{-----} sd-(8)-ir 4549659 Gap 2.4 bits



{-----} p35-(23)-p10 4549653 Gap 1.4 bits
p35-p10 4549653 total 5.3 bits