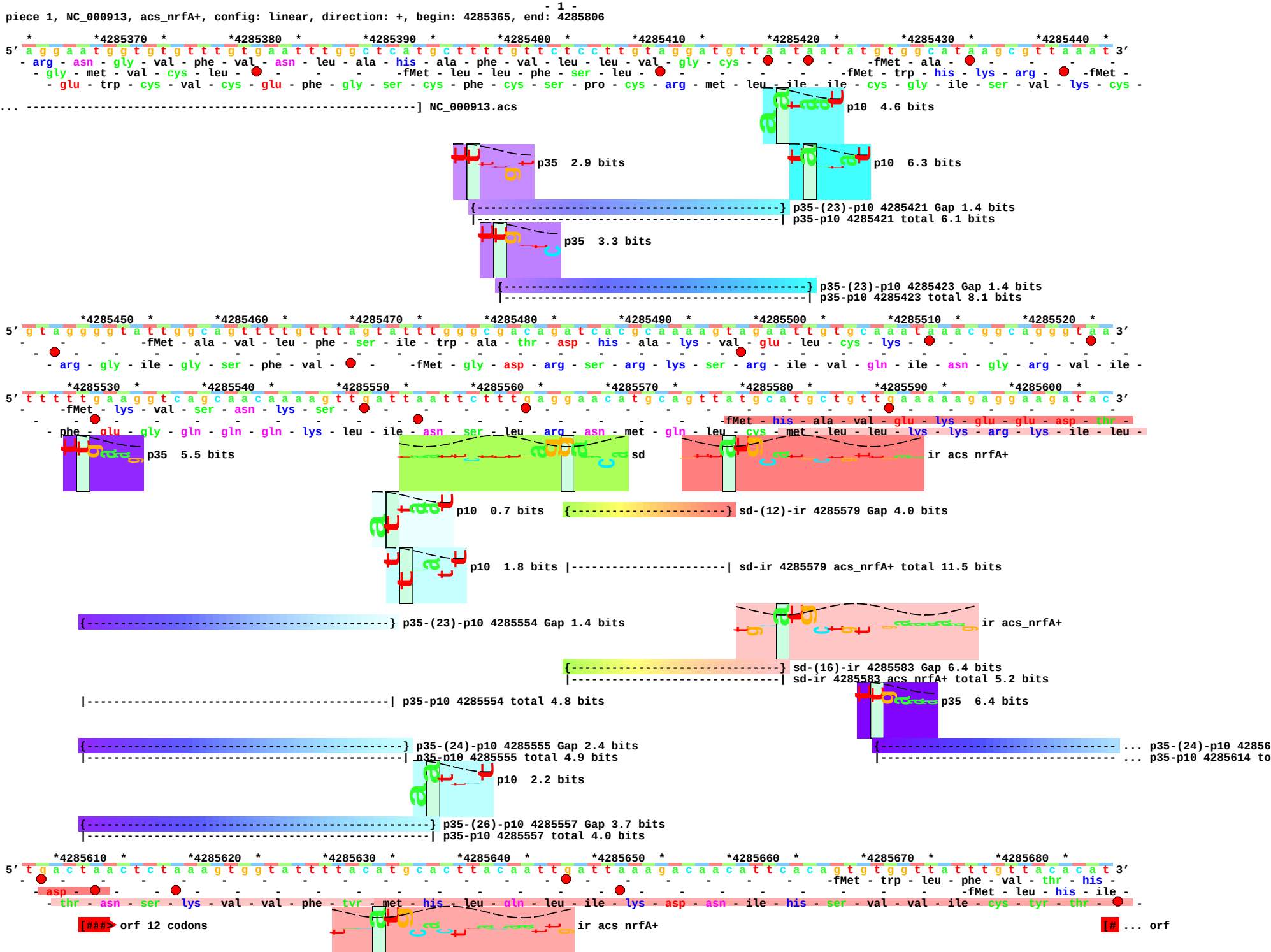
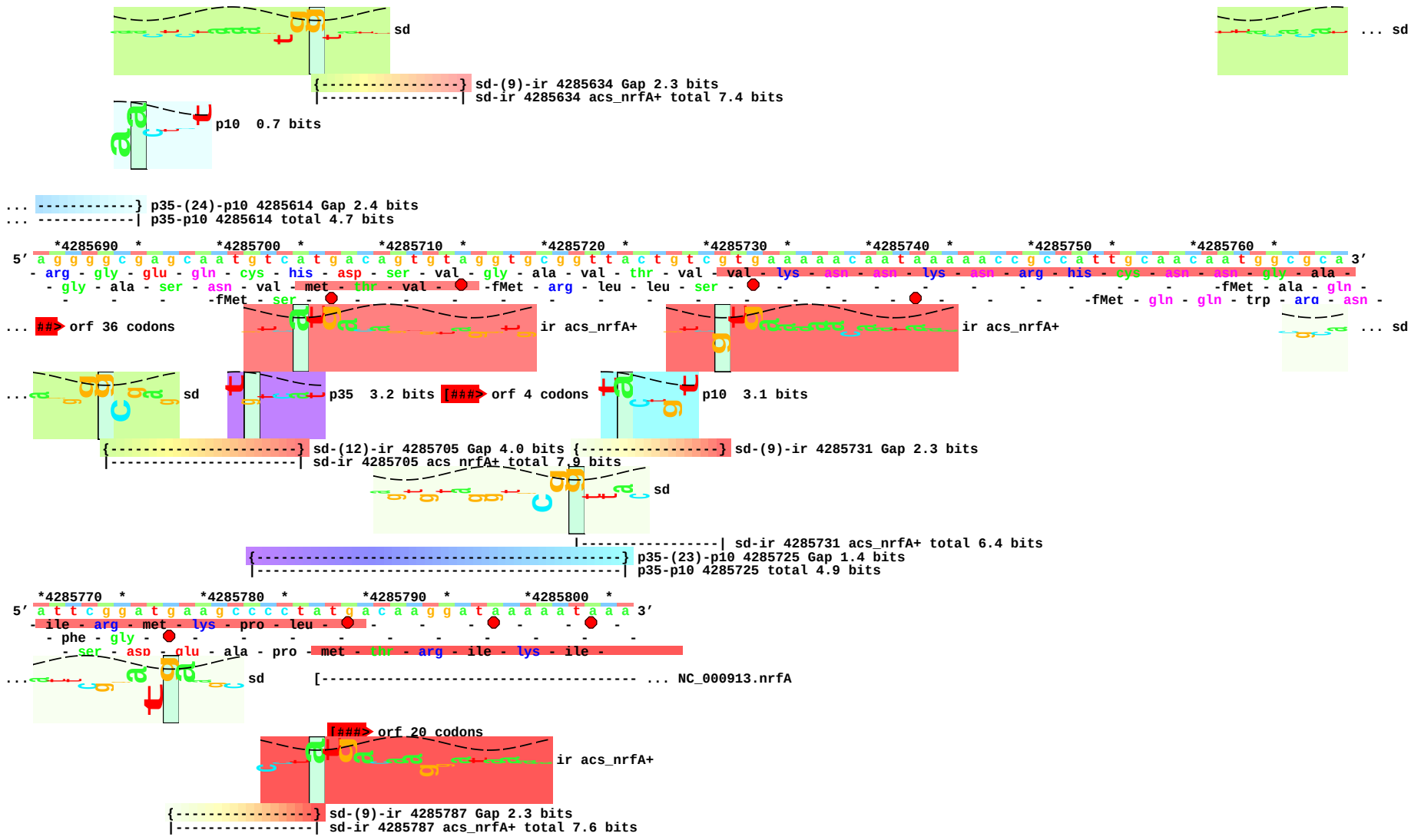
piece 1, NC_000913, acs_nrfA+, config: linear, direction: +, begin: 4285365, end: 4285806


*4285370 *4285380 *4285390 *4285400 *4285410 *4285420 *4285430 *4285440 *
5' a g g a a t g g t g t t t t g t g a a t t t g g c t c a t g c t t t t g t t c t c c t t g t a g g a t g t t a a t a a t a t g t g g c a t a a g c g t t a a a t 3'
- arg - asn - gly - val - phe - val - asn - leu - ala - his - ala - phe - val - leu - leu - val - gly - cys - - - -fMet - ala - - - - - -
- gly - met - val - cys - leu - - - - -fMet - leu - leu - phe - ser - leu - - - - - -fMet - trp - his - lys - arg - -fMet -
- glu - trp - cys - val - cys - glu - phe - gly - ser - cys - phe - cys - ser - pro - cys - arg - met - leu - ile - ile - cys - gly - ile - ser - val - lys - cys -
... ----------] NC_000913.acs
p10 4.6 bits
p35 2.9 bits
p10 6.3 bits
{----------} p35-(23)-p10 4285421 Gap 1.4 bits
|----------| p35-p10 4285421 total 6.1 bits
p35 3.3 bits
{----------} p35-(23)-p10 4285423 Gap 1.4 bits
|----------| p35-p10 4285423 total 8.1 bits
*4285450 *4285460 *4285470 *4285480 *4285490 *4285500 *4285510 *4285520 *
5' g t a g g g g t a t t g g c a g t t t t g t t t a g t a t t t g g g c g a c a g a t c a c g c a a a a g t a g a a t t g t g c a a a t a a a c g g c a g g g t a a 3'
-fMet - ala - val - leu - phe - ser - ile - trp - ala - thr - asp - his - ala - lys - val - glu - leu - cys - lys - - - - - - -
- arg - gly - ile - gly - ser - phe - val - - -fMet - gly - asp - arg - ser - arg - lys - ser - arg - ile - val - gln - ile - asn - gly - arg - val - ile -
*4285530 *4285540 *4285550 *4285560 *4285570 *4285580 *4285590 *4285600 *
5' t t t t g a a g g t c a g c a a c a a a a g t t g a t t a a t t c t t t g a g g a a c a t g c a g t t a t g c a t g c t g t t g a a a a a g a g g a a g a t a c 3'
-fMet - lys - val - ser - asn - lys - ser - - - - - -


sd
... sd
{----------} sd-(9)-ir 4285634 Gap 2.3 bits
|----------| sd-ir 4285634 acs_nrfA+ total 7.4 bits
p10 0.7 bits
... {----------} p35-(24)-p10 4285614 Gap 2.4 bits
... |----------| p35-p10 4285614 total 4.7 bits
*4285690 * *4285700 * *4285710 * *4285720 * *4285730 * *4285740 * *4285750 * *4285760 *
5' a g g g g c g a g c a a t g t c a t g a c a g t g t a g g t g c g g t t a c t g t c g t g a a a a a c a a t a a a a a c c g c c a t t g c a a c a a t g g c g c a 3'
- arg - gly - glu - gln - cys - his - asp - ser - val - gly - ala - val - thr - val - val - lys - asn - asn - lys - asn - arg - his - cys - asn - asn - gly - ala -
- gly - ala - ser - asn - val - met - thr - val - fMet - arg - leu - leu - ser - fMet - gln - gln - trp - arg - asn -
... ##> orf 36 codons ir acs_nrfA+ ir acs_nrfA+ ... sd
...sd p35 3.2 bits [###> orf 4 codons p10 3.1 bits
{----------} sd-(12)-ir 4285705 Gap 4.0 bits {----------} sd-(9)-ir 4285731 Gap 2.3 bits
|----------| sd-ir 4285705 acs_nrfA+ total 7.9 bits
sd
|----------| sd-ir 4285731 acs_nrfA+ total 6.4 bits
{----------} p35-(23)-p10 4285725 Gap 1.4 bits
|----------| p35-p10 4285725 total 4.9 bits
*4285770 * *4285780 * *4285790 * *4285800 *
5' a t t c g g a t g a a g c c c c t a t g a c a a g g a t a a a a a t a a a 3'
- ile - arg - met - lys - pro - leu -
- phe - gly -
- ser - asp - glu - ala - pro - met - thr - arg - ile - lys - ile -
...sd [---------- ... NC_000913.nrfA
[###> orf 20 codons
ir acs_nrfA+
{----------} sd-(9)-ir 4285787 Gap 2.3 bits
|----------| sd-ir 4285787 acs_nrfA+ total 7.6 bits