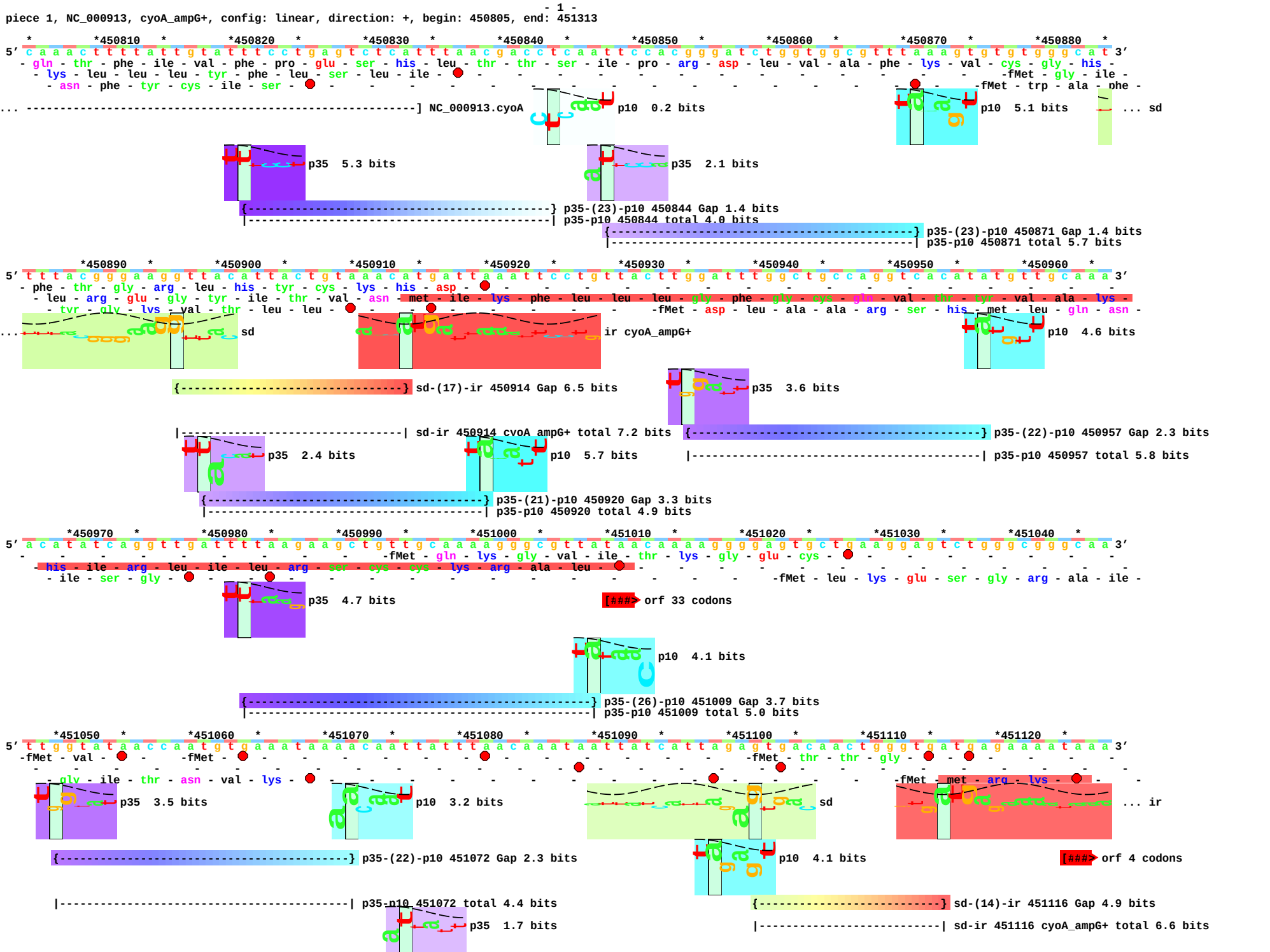
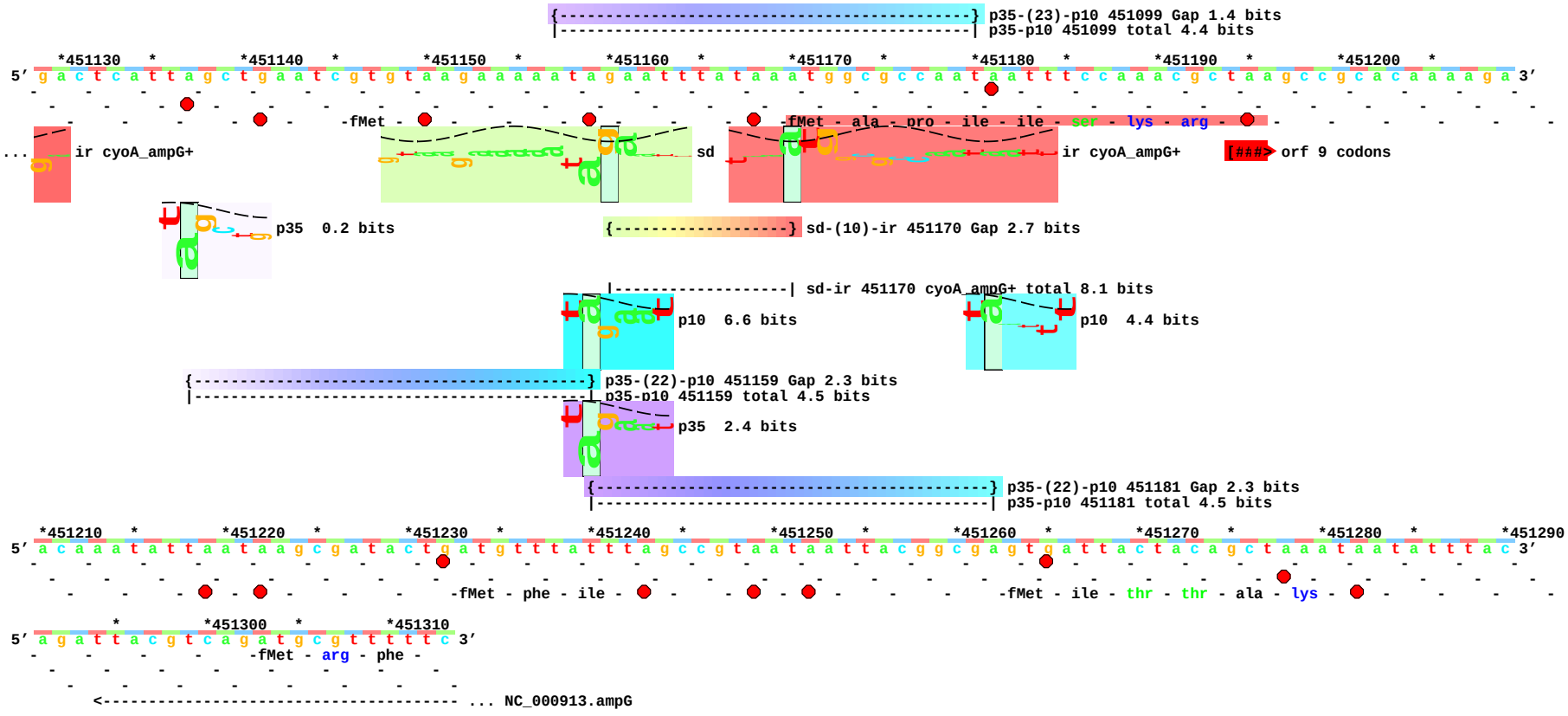

piece 1, NC_000913, cyoA_ampG+, config: linear, direction: +, begin: 450805, end: 451313
*450810 *450820 *450830 *450840 *450850 *450860 *450870 *450880
5′ caaactttattgtatttcctgagtctcattaacgacctcaattccacgggatctggtggcgtttaaagtgtgtggcat 3′
- gln - thr - phe - ile - val - phe - pro - glu - ser - his - leu - thr - thr - ser - ile - pro - arg - asp - leu - val - ala - phe - lys - val - cys - gly - his -
- lys - leu - leu - leu - tyr - phe - leu - ser - leu - ile - -fMet - gly - ile -
- asn - phe - tyr - cys - ile - ser - -fMet - trp - ala - phe -
... ----------] NC_000913.cyoA p10 0.2 bits p10 5.1 bits ... sd
p35 5.3 bits p35 2.1 bits
{----------} p35-(23)-p10 450844 Gap 1.4 bits
|----------| p35-p10 450844 total 4.0 bits
{----------} p35-(23)-p10 450871 Gap 1.4 bits
|----------| p35-p10 450871 total 5.7 bits
*450890 *450900 *450910 *450920 *450930 *450940 *450950 *450960
5′ tttacgggaaggttacattactgtaaacatgatttaaattcctgttacttggatttggctgccaggtcacatatgttgcaaa 3′
- phe - thr - gly - arg - leu - his - tyr - cys - lys - his - asp -
- leu - arg - glu - gly - tyr - ile - thr - val - asn - met - ile - lys - phe - leu - leu - leu - gly - phe - gly - cys - gln - val - thr - tyr - val - ala - lys -
- tyr - gly - lys - val - thr - leu - leu - -fMet - asp - leu - ala - ala - arg - ser - his - met - leu - gln - asn -
... sd ir cyoA_ampG+ p10 4.6 bits
{----------} sd-(17)-ir 450914 Gap 6.5 bits
p35 3.6 bits
|----------| sd-ir 450914 cyoA_ampG+ total 7.2 bits
{----------} p35-(22)-p10 450957 Gap 2.3 bits
p35 2.4 bits p10 5.7 bits |----------| p35-p10 450957 total 5.8 bits
{----------} p35-(21)-p10 450920 Gap 3.3 bits
|----------| p35-p10 450920 total 4.9 bits
*450970 *450980 *450990 *451000 *451010 *451020 *451030 *451040
5′ acatatcaggttgatttttaagaagctgttgcaaaaggggcgttataacaaaaggggagtgctgaaggagtctgggcgggcaa 3′
-fMet - gln - lys - gly - val - ile - thr - lys - gly - glu - cys -
- his - ile - arg - leu - ile - leu - arg - ser - cys - cys - lys - arg - ala - leu -
- ile - ser - gly - -fMet - leu - lys - glu - ser - gly - arg - ala - ile -
p35 4.7 bits [###> orf 33 codons
p10 4.1 bits
{----------} p35-(26)-p10 451009 Gap 3.7 bits
|----------| p35-p10 451009 total 5.0 bits
*451050 *451060 *451070 *451080 *451090 *451100 *451110 *451120
5′ ttggtataaccaatgtgaaataaaacaattatttaacaaataattatcattagagtgacaactgggtgatgagaaaaataaa 3′
-fMet - val - -fMet - -fMet - thr - thr - gly -
- gly - ile - thr - asn - val - lys - -fMet - met - arg - lys -
p35 3.5 bits p10 3.2 bits sd ... ir
{----------} p35-(22)-p10 451072 Gap 2.3 bits
p10 4.1 bits [###> orf 4 codons
|----------| p35-p10 451072 total 4.4 bits
{----------} sd-(14)-ir 451116 Gap 4.9 bits
p35 1.7 bits
|----------| sd-ir 451116 cyoA_ampG+ total 6.6 bits


p35-(23)-p10 451099 Gap 1.4 bits
p35-p10 451099 total 4.4 bits
*451130
*451140
*451150
*451160
*451170
*451180
*451190
*451200
5′ g a c t c a t t a g c t g a a t c g t g t a a g a a a a a t a g a a t t t a t a a a t g g c g c c a a t a a t t t c c a a a c g c t a a g c c g c a c a a a a g a 3′
-fMet -
fMet - ala - pro - ile - ile - ser - lys - arg -
ir cyoA_ampG+
sd
ir cyoA_ampG+
[###> orf 9 codons
p35 0.2 bits
sd-(10)-ir 451170 Gap 2.7 bits
sd-ir 451170 cyoA_ampG+ total 8.1 bits
p10 6.6 bits
p10 4.4 bits
p35-(22)-p10 451159 Gap 2.3 bits
p35-p10 451159 total 4.5 bits
p35 2.4 bits
p35-(22)-p10 451181 Gap 2.3 bits
p35-p10 451181 total 4.5 bits
*451210
*451220
*451230
*451240
*451250
*451260
*451270
*451280
*451290
5′ a c a a a t a t t a a t a a g c g a t a c t g a t g t t t a t t t a g c c g t a a t a a t t a c g g c g a g t g a t t a c t a c a g c t a a a t a a t a t t t a c 3′
-fMet - phe - ile -
-fMet - ile - thr - thr - ala - lys -
*451300
*451310
5′ a g a t t a c g t c a g a t g c g t t t t t c 3′
-fMet - arg - phe -
<---------- ... NC_000913.ampG