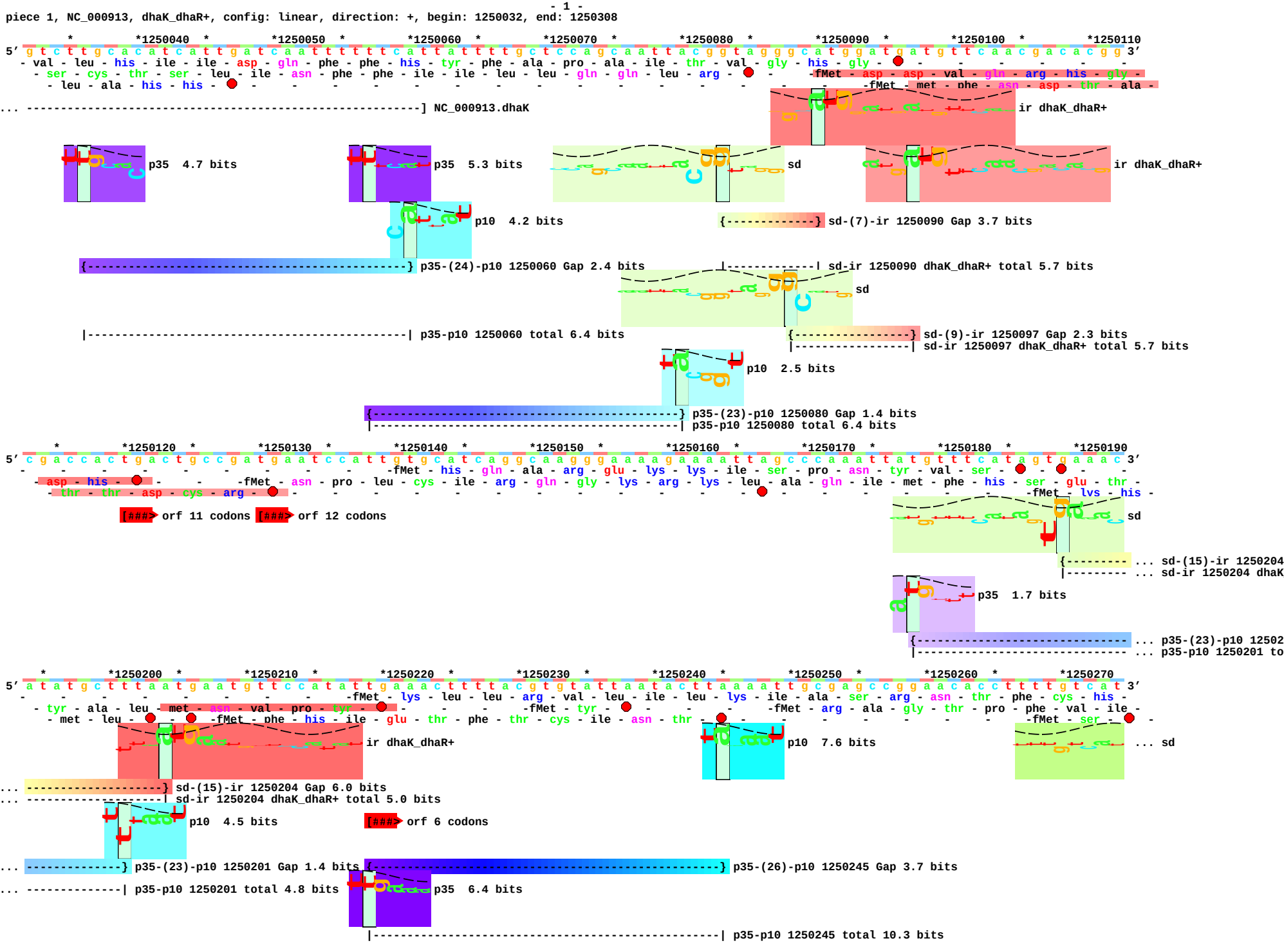
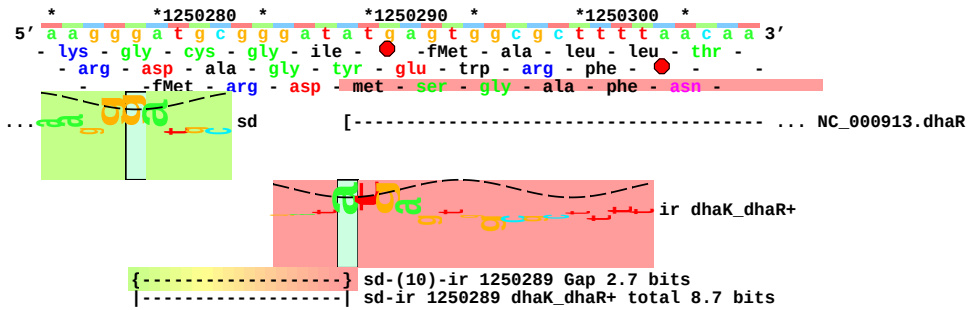

piece 1, NC_000913, dhaK_dhaR+, config: linear, direction: +, begin: 1250032, end: 1250308
*1250040 *1250050 *1250060 *1250070 *1250080 *1250090 *1250100 *1250110
5′ g t c t t g c a c a t c a t t g a t c a a t t t t t t c a t t a t t t g c t c c a g c a a t t a c g g t a g g g c a t g g a t g a t g t t c a a c g a c a c g g 3′
- val - leu - his - ile - ile - asp - gln - phe - phe - his - tyr - phe - ala - pro - ala - ile - thr - val - gly - his - gly -
- ser - cys - thr - ser - leu - ile - asn - phe - phe - ile - ile - leu - leu - gln - gln - leu - arg -
- leu - ala - his - his -
-fMet - asp - asp - val - gln - arg - his - gly -
-fMet - met - phe - asn - asp - thr - ala -
... ----------] NC_000913.dhaK
ir dhaK_dhaR+
p35 4.7 bits
p35 5.3 bits
sd
ir dhaK_dhaR+
p10 4.2 bits
{----------} sd-(7)-ir 1250090 Gap 3.7 bits
{----------} p35-(24)-p10 1250060 Gap 2.4 bits
|----------| sd-ir 1250090 dhaK_dhaR+ total 5.7 bits
sd
|----------| p35-p10 1250060 total 6.4 bits
{----------} sd-(9)-ir 1250097 Gap 2.3 bits
|----------| sd-ir 1250097 dhaK_dhaR+ total 5.7 bits
p10 2.5 bits
{----------} p35-(23)-p10 1250080 Gap 1.4 bits
|----------| p35-p10 1250080 total 6.4 bits
*1250120 *1250130 *1250140 *1250150 *1250160 *1250170 *1250180 *1250190
5′ c g a c c a c t g a c t g c c g a t g a a t c c a t t g t g c a t c a g g c a a g g g a a a a g a a a a t t a g c c c a a a t t a t g t t t c a t a g t g a a a c 3′
-fMet - his - gln - ala - arg - glu - lys - lys - ile - ser - pro - asn - tyr - val - ser -
-asp - his -
-fMet - asn - pro - leu - cys - ile - arg - gln - gly - lys - arg - lys - leu - ala - gln - ile - met - phe - his - ser - glu - thr -
-thr - thr - asp - cys - arg -
-fMet - lys - his -
[###> orf 11 codons [###> orf 12 codons
sd
{--------- ... sd-(15)-ir 1250204
|--------- ... sd-ir 1250204 dhaK
p35 1.7 bits
{---------- ... p35-(23)-p10 12502
|---------- ... p35-p10 1250201 to
*1250200 *1250210 *1250220 *1250230 *1250240 *1250250 *1250260 *1250270
5′ a t a t g c t t t a a t g a a t g t t c c a t a t t g a a a c t t t t a c g t g t a t t a a t a c t t a a a a t t g c g a g c c g g a a c a c c t t t t g t c a t 3′
-fMet - lys - leu - leu - arg - val - leu - ile - leu - lys - ile - ala - ser - arg - asn - thr - phe - cys - his -
- tyr - ala - leu - met - asn - val - pro - tyr -
-fMet - tyr -
-fMet - arg - ala - gly - thr - pro - phe - val - ile -
- met - leu -
-fMet - phe - his - ile - glu - thr - phe - thr - cys - ile - asn - thr -
-fMet - ser -
ir dhaK_dhaR+
p10 7.6 bits
... sd
... ----------} sd-(15)-ir 1250204 Gap 6.0 bits
... ----------| sd-ir 1250204 dhaK_dhaR+ total 5.0 bits
p10 4.5 bits
[###> orf 6 codons
... ----------} p35-(23)-p10 1250201 Gap 1.4 bits
{----------} p35-(26)-p10 1250245 Gap 3.7 bits
... ----------| p35-p10 1250201 total 4.8 bits
p35 6.4 bits
|----------| p35-p10 1250245 total 10.3 bits


* *1250280 * *1250290 * *1250300 *
5′ a a g g g a t g c g g g a t a t g a g t g g c g c t t t t a a c a a 3′
- lys - gly - cys - gly - ile - -fMet - ala - leu - leu - thr -
- arg - asp - ala - gly - tyr - glu - trp - arg - phe - - -
- -fMet - arg - asp - met - ser - gly - ala - phe - asn -
... sd [---------- ... NC_000913.dhaR
ir dhaK_dhaR+
{----------} sd-(10)-ir 1250289 Gap 2.7 bits
|----------| sd-ir 1250289 dhaK_dhaR+ total 8.7 bits