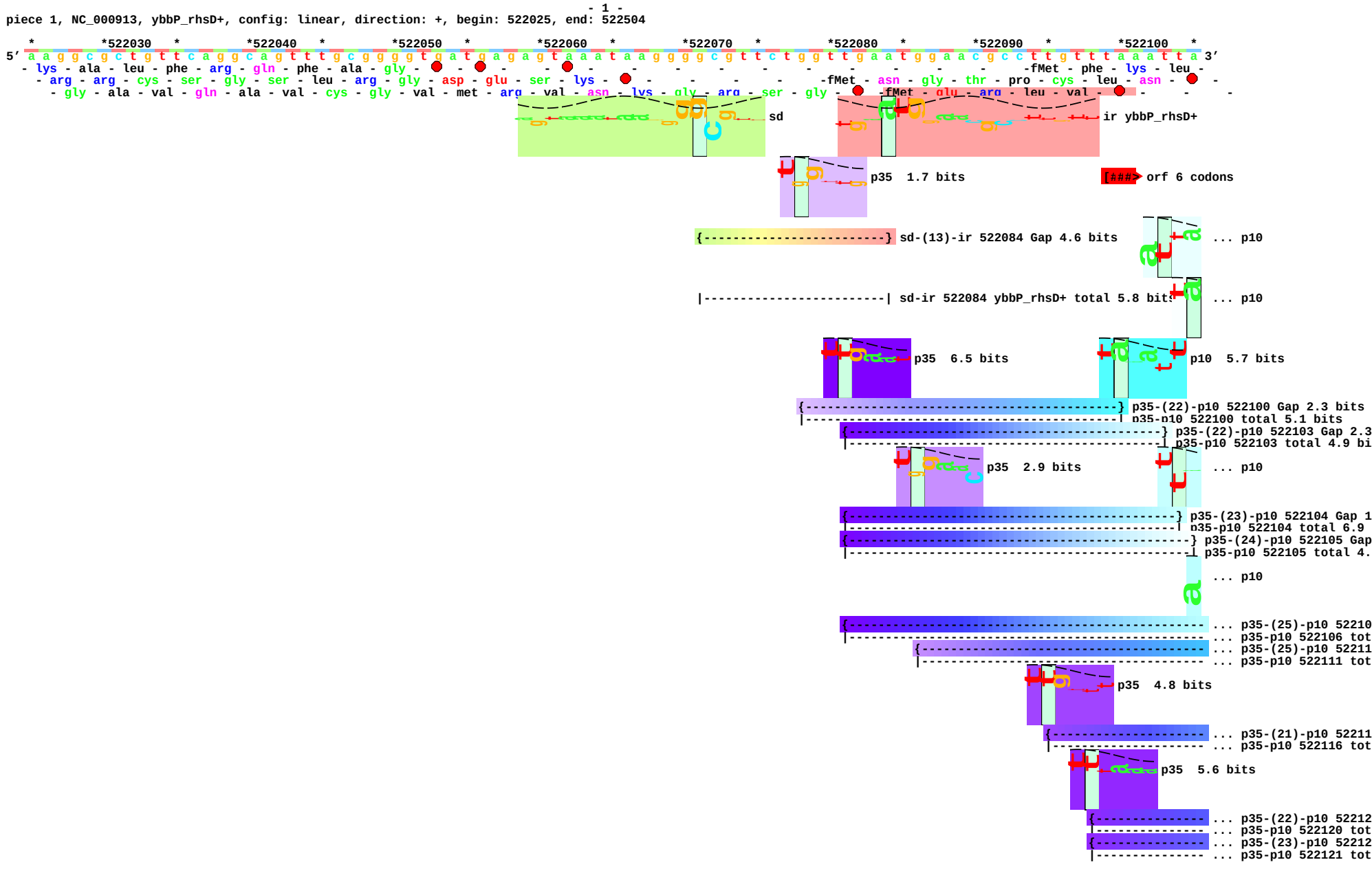
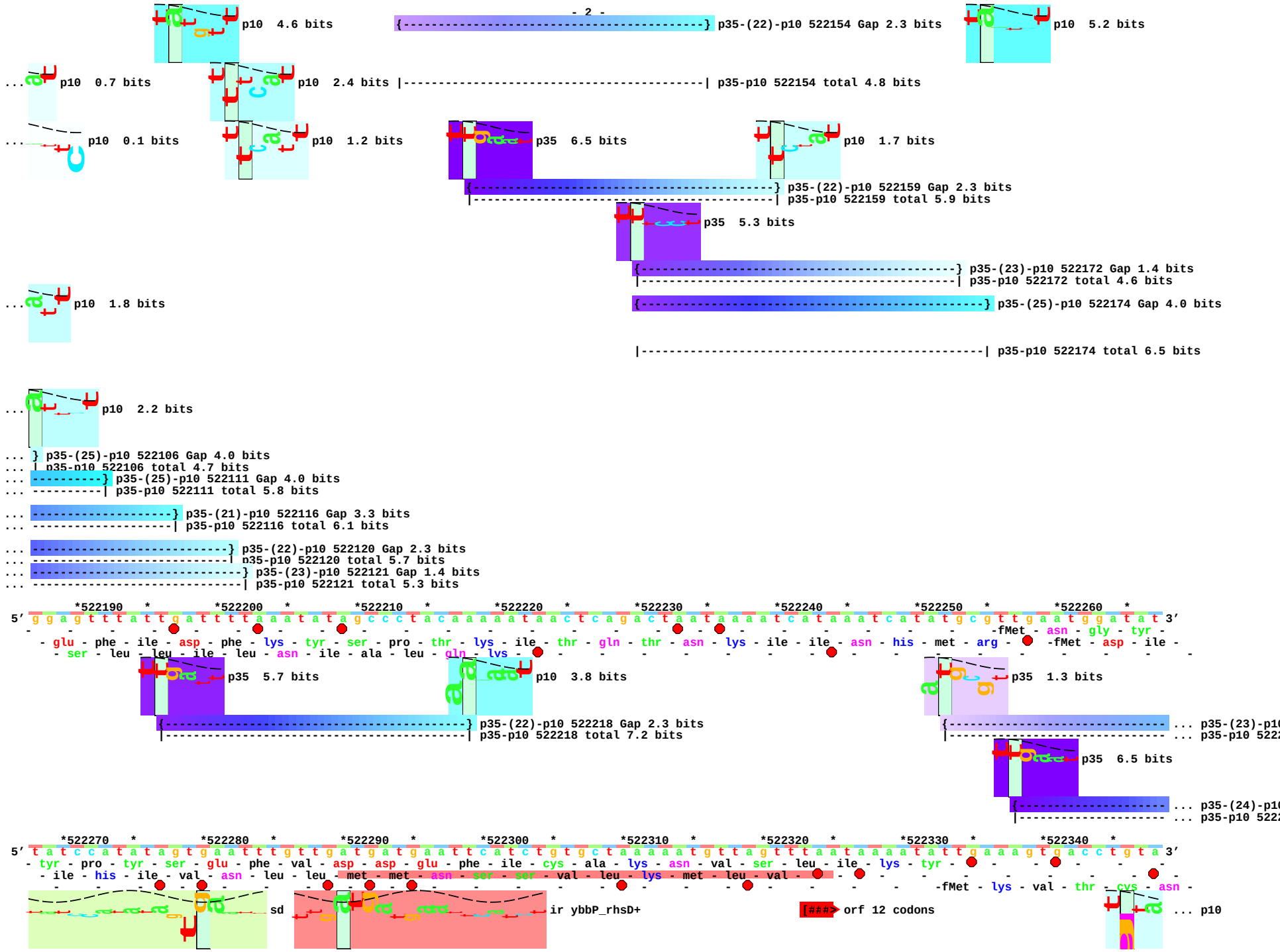
piece 1, NC_000913, ybbP_rhsD+, config: linear, direction: +, begin: 522025, end: 522504




p10 4.6 bits
- 2 -
p35-(22)-p10 522154 Gap 2.3 bits
p10 5.2 bits
p10 0.7 bits
p10 2.4 bits
p35-p10 522154 total 4.8 bits
p10 0.1 bits
p10 1.2 bits
p35 6.5 bits
p10 1.7 bits
p35-(22)-p10 522159 Gap 2.3 bits
p35-p10 522159 total 5.9 bits
p35 5.3 bits
p35-(23)-p10 522172 Gap 1.4 bits
p35-p10 522172 total 4.6 bits
p10 1.8 bits
p35-(25)-p10 522174 Gap 4.0 bits
p35-p10 522174 total 6.5 bits
p10 2.2 bits
} p35-(25)-p10 522106 Gap 4.0 bits
p35-p10 522106 total 4.7 bits
} p35-(25)-p10 522111 Gap 4.0 bits
p35-p10 522111 total 5.8 bits
} p35-(21)-p10 522116 Gap 3.3 bits
p35-p10 522116 total 6.1 bits
} p35-(22)-p10 522120 Gap 2.3 bits
p35-p10 522120 total 5.7 bits
} p35-(23)-p10 522121 Gap 1.4 bits
p35-p10 522121 total 5.3 bits
*522190
*522200
*522210
*522220
*522230
*522240
*522250
*522260
5′ g g a g t t t a t t g a t t t t a a a t a t a g c c c t a c a a a a a t a a c t c a g a c t a a t a a a a t c a t a a a t c a t a t g c g t t g a a t g g a t a t 3′
- glu - phe - ile - asp - phe - lys - tyr - ser - pro - thr - lys - ile - thr - gln - thr - asn - lys - ile - ile - asn - his - met - arg - fMet - asp - ile -
- ser - leu - leu - ile - leu - asn - ile - ala - leu - gln - lys - fMet - asn - gly - tyr -
p35 5.7 bits
p10 3.8 bits
p35 1.3 bits
} p35-(22)-p10 522218 Gap 2.3 bits
p35-p10 522218 total 7.2 bits
... p35-(23)-p10 5
... p35-p10 522275
p35 6.5 bits
... p35-(24)-p10 5
... p35-p10 522281
*522270
*522280
*522290
*522300
*522310
*522320
*522330
*522340
5′ t a t c c a t a t a g t g a a t t t g t t g a t g a t g a a t t c a t c t g t g c t a a a a a t g t t a g t t t a a t a a a a t a t t g a a a g t g a c c t g t a 3′
- tyr - pro - tyr - ser - glu - phe - val - asp - asp - glu - phe - ile - cys - ala - lys - asn - val - ser - leu - ile - lys - tyr -
- ile - his - ile - val - asn - leu - leu - met - met - asn - ser - ser - val - leu - lys - met - leu - val - fMet - lys - val - thr - cys - asn -
sd
ir ybbP_rhsD+
[###> orf 12 codons
... p10

... ----------} p35-(23)-p10 522275 Gap 1.4 bits
- 3 -
p35 2.2 bits
p10 3.8 bits
... ----------| p35-p10 522275 total 5.7 bits
p10 4.5 bits
{----------} sd-(10)-ir 522290 Gap 2.7 bits
p35 5.7 bits
... ----------} p35-(24)-p10 522281 Gap 2.4 bits
... ----------| p35-p10 522281 total 4.5 bits
{----------} p35-(24)-p10 522322 Gap 2.4 bits
|----------| p35-p10 522322 total 4.3 bits
|----------| sd-ir 522290 ybbP_rhsD+ total 6.9 bits
{----------} p35-(24)-p10 522346 Gap
p10 5.9 bits
ir ybbP_rhsD+
|----------| p35-p10 522346 total 4.
{----------} sd-(13)-ir 522293 Gap 4.6 bits
|----------| sd-ir 522293 ybbP_rhsD+ total 5.8 bits
p10 0.4 bits
p35 4.7 bits
{----------} p35-(23)-p10 522311 Gap 1.4 bits
|----------| p35-p10 522311 total 7.1 bits
*522350 *522360 *522370 *522380 *522390 *522400 *522410 *522420 *
5′ a t a a c a g t t g t t g t t g a t t g a g a a c a a a t a a g t t t a t g t g a a a a a t a t a t a a t a c a t t a g c t g g t c t t g t g t g t c a t t t t 3′
-fMet - cys - his - phe -
-fMet - leu - leu - ile - glu - asn - lys -
-fMet - lys - asn - ile -
-fMet - cys - val - ile - leu -
- asn - ser - cys - cys -
-fMet - arg - thr - asn - lys - phe - met -
-fMet - ser - phe - tyr -
... p10 1.4 bits
p10 3.8 bits
p10 5.1 bits
p35 3.8 bits
p10 3.8 bits
{----------} p35-(21)-p10 522378 Gap 3.3 bits
|----------| p35-p10 522378 total 4.3 bits
p35 4.6 bits
p35 3.8 bits
{----------} p35-(23)-p10 522390 Gap 1.4 bits
|----------| p35-p10 522390 total 7.0 bits
{----------} p35-(21)-p10 522403 Gap 3.3 bits
|----------| p35-p10 522403 total 5.6 bits
*522430 *522440 *522450 *522460 *522470 *522480 *522490 *522500
5′ a t t t t t t t g t t g c t a a c a c a g g g a t a t g a a c a a t a a c t a a a a g g g c a c t t t a t a t g a g c g g a a a a c c a g c g g c 3′
- ile - phe - phe - cys - cys -
-fMet - asn - asn - asn -
- phe - phe - phe - val - ala - asn - thr - gly - ile -
-fMet - ser - gly - lys - pro - ala -
- phe - phe - leu - leu - leu - thr - gln - gly - tyr - glu - gln -
p35 3.8 bits
sd
[---------- ... NC_000913.rhsD
p10 3.2 bits
ir ybbP_rhsD+
{----------} sd-(9)-ir 522485 Gap 2.3 bits
|----------| sd-ir 522485 ybbP_rhsD+ total 8.1 bits

p35-(22)-p10 522461 Gap 2.3 bits
p35-p10 522461 total 4.6 bits