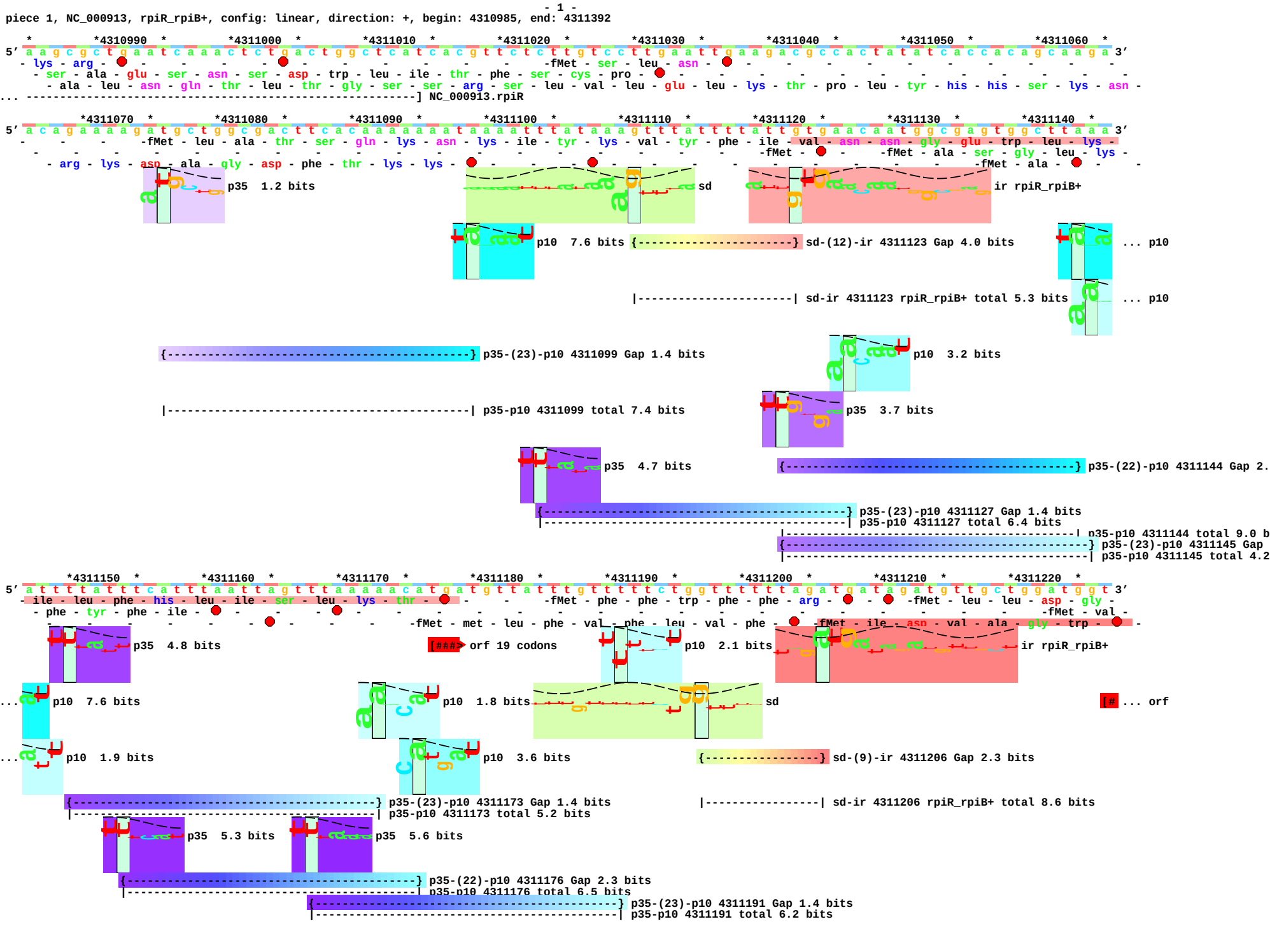
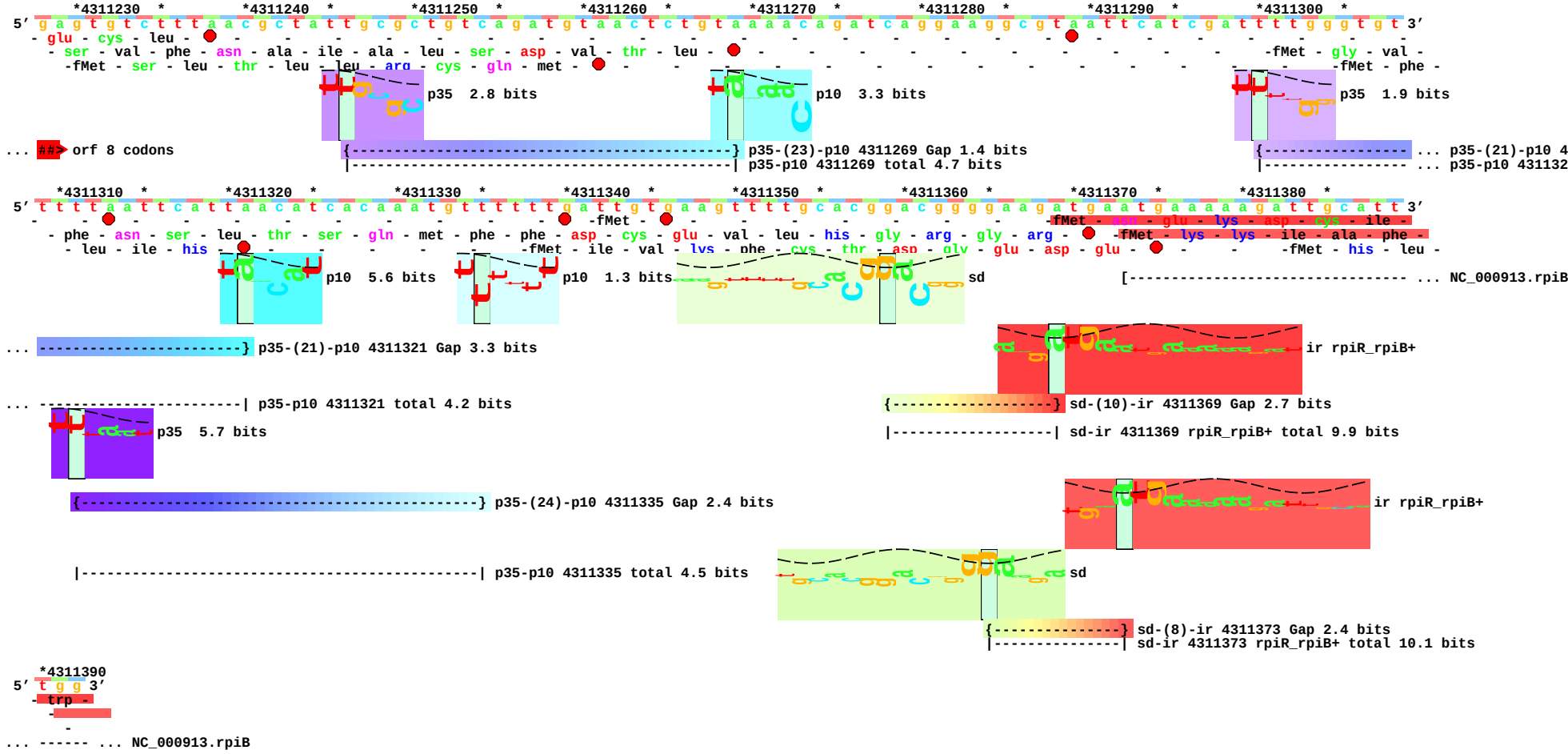

- 1 -
piece 1, NC_000913, rpiR_rpiB+, config: linear, direction: +, begin: 4310985, end: 4311392
*4310990 *4311000 *4311010 *4311020 *4311030 *4311040 *4311050 *4311060
5' a a g c g c t g a a t c a a a c t c t g a c t g g c t c a t c a c g t t c t c t t g t c c t t g a a t t g a a g a c g c c a c t a t a t c a c c a c a g c a a g a 3'
- lys - arg - - - - - - - - - - - - - - -fMet - ser - leu - asn - - - - - - - - - - - - - - -
- ser - ala - glu - ser - asn - ser - asp - trp - leu - ile - thr - phe - ser - cys - pro - - - - - - - - - - - - - - -
- ala - leu - asn - gln - thr - leu - thr - gly - ser - ser - arg - ser - leu - val - leu - glu - leu - lys - thr - pro - leu - tyr - his - his - ser - lys - asn -
... ----------] NC_000913.rpiR
*4311070 *4311080 *4311090 *4311100 *4311110 *4311120 *4311130 *4311140
5' a c a g a a a a g a t g c t g g c g a c t t c a c a a a a a a a t a a a a t t t a t a a a g t t t a t t t t a t t g t g a a c a a t g g c g a g t g g c t t a a a 3'
- - - -fMet - leu - ala - thr - ser - gln - lys - asn - lys - ile - tyr - lys - val - tyr - phe - ile - val - asn - asn - gly - glu - trp - leu - lys -
- -fMet - - -fMet - ala - ser - gly - leu - lys -
- arg - lys - asp - ala - gly - asp - phe - thr - lys - lys -fMet - ala - - -
p35 1.2 bits
sd
ir rpiR_rpiB+
p10 7.6 bits {----------} sd-(12)-ir 4311123 Gap 4.0 bits
... p10
|----------| sd-ir 4311123 rpiR_rpiB+ total 5.3 bits
... p10
{----------} p35-(23)-p10 4311099 Gap 1.4 bits
p10 3.2 bits
|----------| p35-p10 4311099 total 7.4 bits
p35 3.7 bits
p35 4.7 bits
{----------} p35-(22)-p10 4311144 Gap 2.
{----------} p35-(23)-p10 4311127 Gap 1.4 bits
|----------| p35-p10 4311127 total 6.4 bits
|----------| p35-p10 4311144 total 9.0 b
{----------} p35-(23)-p10 4311145 Gap
|----------| p35-p10 4311145 total 4.2
*4311150 *4311160 *4311170 *4311180 *4311190 *4311200 *4311210 *4311220
5' a t t t t a t t t c a t t t a a t t a g t t t a a a a a c a t g a t g t t a t t t g t t t t t c t g g t t t t t t a g a t g a t a g a t g t t g c t g g a t g g t 3'
- ile - leu - phe - his - leu - ile - ser - leu - lys - thr - - - -fMet - phe - phe - trp - phe - phe - arg - - - -fMet - leu - leu - asp - gly -
- phe - tyr - phe - ile -fMet - val -
- - - - - - - - - - - - - - -fMet - met - leu - phe - val - phe - leu - val - phe - - -fMet - ile - asp - val - ala - gly - trp - - -
p35 4.8 bits
[###> orf 19 codons
p10 2.1 bits
ir rpiR_rpiB+
... p10 7.6 bits
p10 1.8 bits
sd
[# ... orf
... p10 1.9 bits
p10 3.6 bits
{----------} sd-(9)-ir 4311206 Gap 2.3 bits
{----------} p35-(23)-p10 4311173 Gap 1.4 bits
|----------| sd-ir 4311206 rpiR_rpiB+ total 8.6 bits
|----------| p35-p10 4311173 total 5.2 bits
p35 5.3 bits
p35 5.6 bits
{----------} p35-(22)-p10 4311176 Gap 2.3 bits
|----------| p35-p10 4311176 total 6.5 bits
{----------} p35-(23)-p10 4311191 Gap 1.4 bits
|----------| p35-p10 4311191 total 6.2 bits


*4311230 *4311240 *4311250 *4311260 *4311270 *4311280 *4311290 *4311300 *
5′ g a g t g t c t t t a a c g c t a t t g c g c t g t c a g a t g t a a c t c t g t a a a a c a g a t c a g g a a g g c g t a a t t c a t c g a t t t t g g g t g t 3′
- glu - cys - leu -
- ser - val - phe - asn - ala - ile - ala - leu - ser - asp - val - thr - leu - - - - - - - - - - - - - - - - - - -