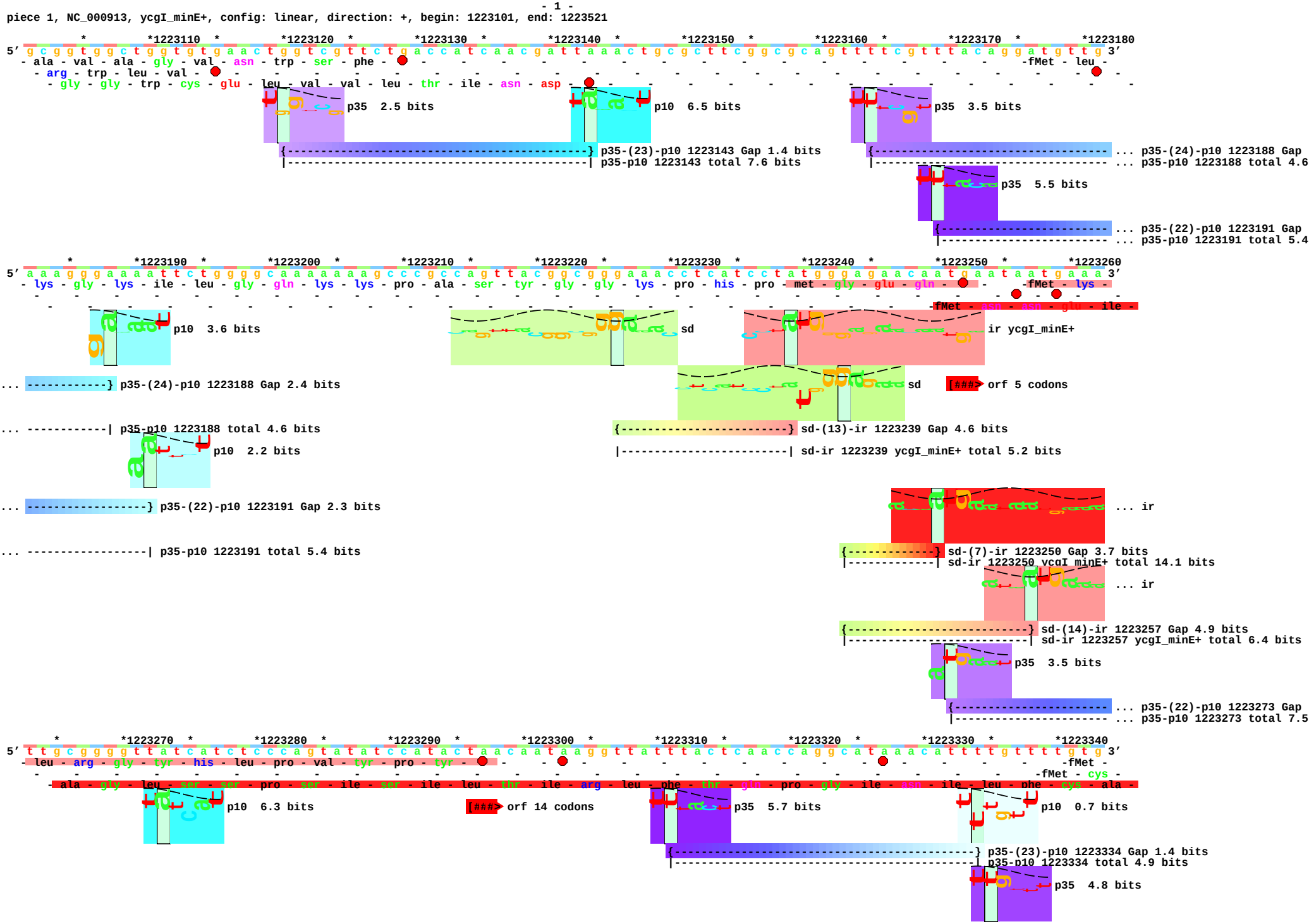
piece 1, NC_000913, ycgI_minE+, config: linear, direction: +, begin: 1223101, end: 1223521
*1223110 *1223120 *1223130 *1223140 *1223150 *1223160 *1223170 *1223180
5' g c g g t g g c t g g t g t g a a c t g g t c g t t c t g a c c a t c a a c g a t t a a a c t g c g c t t c g g c g c a g t t t t c g t t t a c a g g a t g t t g 3'
- ala - val - ala - gly - val - asn - trp - ser - phe - -fMet - leu -
- arg - trp - leu - val -
- gly - gly - trp - cys - glu - leu - val - val - leu - thr - ile - asn - asp -
p35 2.5 bits
p10 6.5 bits
p35 3.5 bits
} p35-(23)-p10 1223143 Gap 1.4 bits
| p35-p10 1223143 total 7.6 bits
} ... p35-(24)-p10 1223188 Gap
| ... p35-p10 1223188 total 4.6
p35 5.5 bits
} ... p35-(22)-p10 1223191 Gap
| ... p35-p10 1223191 total 5.4
*1223190 *1223200 *1223210 *1223220 *1223230 *1223240 *1223250 *1223260
5' a a a g g g a a a a t t c t g g g g c a a a a a a a g c c c g c c a g t t a c g g c g g g a a a c c t c a t c c t a t g g a g a a c a a t g a a t a a t g a a a 3'
- lys - gly - lys - ile - leu - gly - gln - lys - lys - pro - ala - ser - tyr - gly - gly - lys - pro - his - pro - met - gly - glu - gln - -fMet - lys -
-fMet - asn - asn - glu - ile -
p10 3.6 bits
sd
ir ycgI_minE+
... } p35-(24)-p10 1223188 Gap 2.4 bits
sd [###> orf 5 codons
... | p35-p10 1223188 total 4.6 bits
} sd-(13)-ir 1223239 Gap 4.6 bits
| sd-ir 1223239 ycgI_minE+ total 5.2 bits
p10 2.2 bits
... } p35-(22)-p10 1223191 Gap 2.3 bits
... ir
... | p35-p10 1223191 total 5.4 bits
} sd-(7)-ir 1223250 Gap 3.7 bits
| sd-ir 1223250 ycgI_minE+ total 14.1 bits
... ir
} sd-(14)-ir 1223257 Gap 4.9 bits
| sd-ir 1223257 ycgI_minE+ total 6.4 bits
p35 3.5 bits
} ... p35-(22)-p10 1223273 Gap
| ... p35-p10 1223273 total 7.5
*1223270 *1223280 *1223290 *1223300 *1223310 *1223320 *1223330 *1223340
5' t t g c g g g g t t a t c a t c t c c c a g t a t a t c c a t a c t a a c a a t a a g g t t a t t t a c t c a a c c a g g c a t a a a c a t t t t g t t t t g t g 3'
- leu - arg - gly - tyr - his - leu - pro - val - tyr - pro - tyr - -fMet -
-fMet - cys -
- ala - gly - leu - thr - thr - pro - thr - ile - thr - ile - leu - thr - ile - arg - leu - phe - thr - gln - pro - gly - ile - asn - ile - leu - phe - cys - ala -
p10 6.3 bits
[###> orf 14 codons
p35 5.7 bits
p10 0.7 bits
} p35-(23)-p10 1223334 Gap 1.4 bits
| p35-p10 1223334 total 4.9 bits
p35 4.8 bits

... ir ycgI_minE+
{---------- ... p35-(24)-p10 1223359 Gap
|---------- ... p35-p10 1223359 total 5.5
... ir ycgI_minE+
... ----------} p35-(22)-p10 1223273 Gap 2.3 bits
... ----------| p35-p10 1223273 total 7.5 bits
*1223350 *1223360 *1223370 *1223380 *1223390 *1223400 *1223410 *1223420
5' c g t g g g a a c a g c c t t a a g g t g t a a g g g g g a g g t g g a a a t a g c a a t g a g g a g t a t c a g c a a g a a t a c t c g c c g c t t t a c c a 3'
- arg - gly - asn - ser - leu - lys - val -
- val - gly - thr - ala - leu - arg - cys - lys - gly - gly - gly - gly - asn - ser - asn - glu - glu - tyr - gln - gln - glu - tyr - ser - pro - leu - tyr - his -
- trp - glu - gln - pro -
-fMet - glu - ile - ala - met - arg - ser - ile - ser - lys - asn - thr - arg - arg - phe - thr - thr -
[###> orf 37 codons
ir ycgI_minE+
p10 3.5 bits
... sd
sd
ir ycgI_minE+
{----------} sd-(14)-ir 1223376 Gap 4.9 bits
|----------| sd-ir 1223376 ycgI_minE+ total 5.4 bits
... ----------} p35-(24)-p10 1223359 Gap 2.4 bits
... ----------| p35-p10 1223359 total 5.5 bits
{----------} sd-(9)-ir 1223388 Gap 2.3 bits
|----------| sd-ir 1223388 ycgI_minE+ total 6.0 bits
sd
p10 3.2 bits
p35 2.0 bits
{----------} p35-(23)-p10 1223407 Gap 1.4 bits
|----------| p35-p10 1223407 total 4.0 bits
*1223430 *1223440 *1223450 *1223460 *1223470 *1223480 *1223490 *1223500 *
5' c a a c g t g g a t g a g a g g g a t g a a a a a c t c a a g g c a g a g a t a a c t c t g c c t t g a a g a t a a a t g c g c t t t t a c a g c g g g c t t a t 3'
-fMet - lys - ile - asn - ala - leu - leu - gln - arg - ala - tyr -
- asn - val - asp - glu - arg - asp - glu - lys - leu - lys - ala - glu - ile - thr - leu - pro -
-fMet - arg - phe - tyr - ser - gly - leu - ile -
- thr - trp - met - arg - gly - met - lys - asn - ser - arg - gln - arg -
... sd
[###> orf 30 codons
<------- ... NC_000913.minE
ir ycgI_minE+
{----------} sd-(10)-ir 1223442 Gap 2.7 bits
|----------| sd-ir 1223442 ycgI_minE+ total 8.3 bits
*1223510 *1223520
5' t t c a g c t c t t c t g c t t 3'
- phe - ser - ser - ser - ala -
- ser - ala - leu - leu - leu -
-fMet
... ---------- ... NC_000913.minE