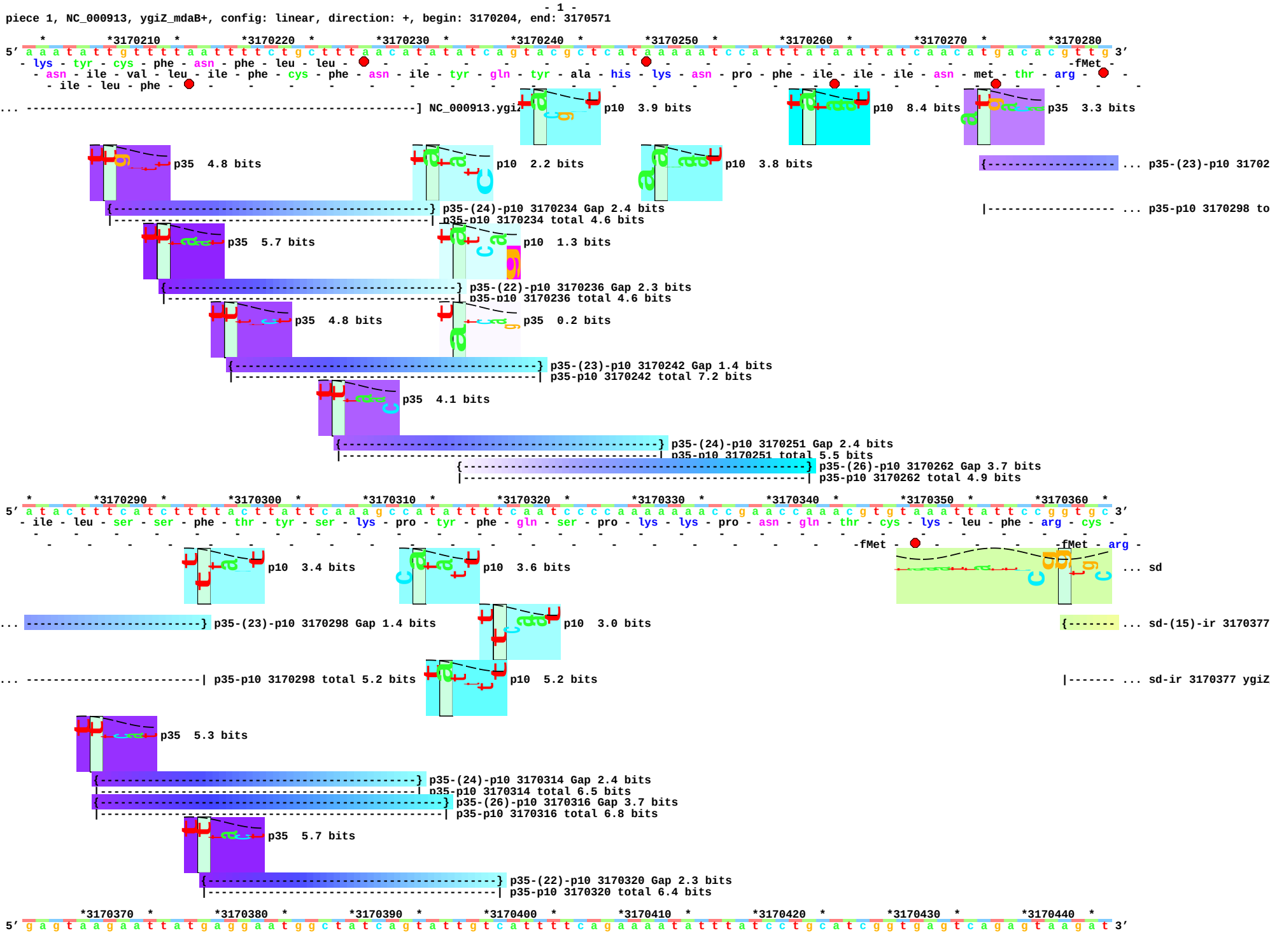
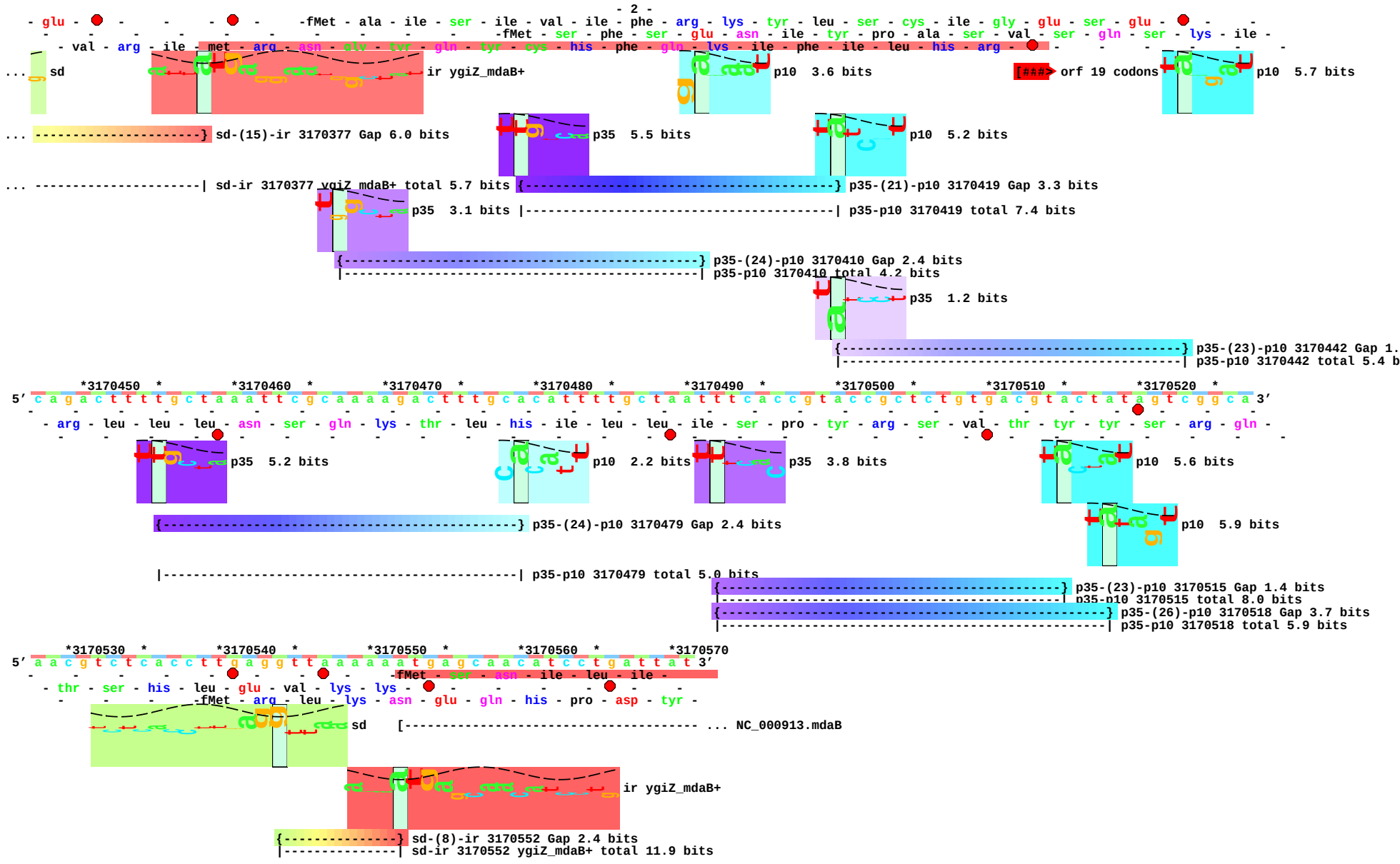

piece 1, NC_000913, ygiZ_mdaB+, config: linear, direction: +, begin: 3170204, end: 3170571
*3170210 *3170220 *3170230 *3170240 *3170250 *3170260 *3170270 *3170280
5′ a a a t a t t g t t t t a a t t t t c t g c t t t a a c a t a t a t c a g t a c g c t c a t a a a a a t c c a t t t a t a a t t a t c a a c a t g a c a c g t t g 3′
- lys - tyr - cys - phe - asn - phe - leu - leu - fMet -
- asn - ile - val - leu - ile - phe - cys - phe - asn - ile - tyr - gln - tyr - ala - his - lys - asn - pro - phe - ile - ile - ile - asn - met - thr - arg -
- ile - leu - phe -
... ] NC_000913.ygiZ
p10 3.9 bits
p10 8.4 bits
p35 3.3 bits
p35 4.8 bits
p10 2.2 bits
p10 3.8 bits
... p35-(23)-p10 31702
} p35-(24)-p10 3170234 Gap 2.4 bits
| p35-p10 3170234 total 4.6 bits
... p35-p10 3170298 to
p35 5.7 bits
p10 1.3 bits
} p35-(22)-p10 3170236 Gap 2.3 bits
| p35-p10 3170236 total 4.6 bits
p35 4.8 bits
p35 0.2 bits
} p35-(23)-p10 3170242 Gap 1.4 bits
| p35-p10 3170242 total 7.2 bits
p35 4.1 bits
} p35-(24)-p10 3170251 Gap 2.4 bits
| p35-p10 3170251 total 5.5 bits
} p35-(26)-p10 3170262 Gap 3.7 bits
| p35-p10 3170262 total 4.9 bits
*3170290 *3170300 *3170310 *3170320 *3170330 *3170340 *3170350 *3170360
5′ a t a c t t t c a t c t t t t a c t t a t t c a a a g c c a t a t t t t c a a t c c c c a a a a a a a a c c g a a c c a a a c g t g t a a a t t a t t c c g g t g c 3′
- ile - leu - ser - ser - phe - thr - tyr - ser - lys - pro - tyr - phe - gln - ser - pro - lys - lys - pro - asn - gln - thr - cys - lys - leu - phe - arg - cys -
-fMet - fMet - arg -
p10 3.4 bits
p10 3.6 bits
... sd
... } p35-(23)-p10 3170298 Gap 1.4 bits
p10 3.0 bits
{ ... sd-(15)-ir 3170377
... | p35-p10 3170298 total 5.2 bits
p10 5.2 bits
| ... sd-ir 3170377 ygiZ
p35 5.3 bits
} p35-(24)-p10 3170314 Gap 2.4 bits
| p35-p10 3170314 total 6.5 bits
} p35-(26)-p10 3170316 Gap 3.7 bits
| p35-p10 3170316 total 6.8 bits
p35 5.7 bits
} p35-(22)-p10 3170320 Gap 2.3 bits
| p35-p10 3170320 total 6.4 bits
*3170370 *3170380 *3170390 *3170400 *3170410 *3170420 *3170430 *3170440
5′ g a g t a a g a a t t a t g a g g a a t g g c t a t c a g t a t t g t c a t t t t c a g a a a a t a t t t a t c c t g c a t c g g t g a g t c a g a g t a a g a t 3′


- glu - - - - - - -fMet - ala - ile - ser - ile - val - ile - phe - arg - lys - tyr - leu - ser - cys - ile - gly - glu - ser - glu - - -
-fMet - ser - phe - ser - glu - asn - ile - tyr - pro - ala - ser - val - ser - gln - ser - lys - ile -
- val - arg - ile - met - arg - asn - gly - tyr - gln - tyr - cys - his - phe - gln - lys - ile - phe - ile - leu - his - arg - - - - - -
... sd ir ygiZ_mdaB+ p10 3.6 bits [###> orf 19 codons p10 5.7 bits
... sd-(15)-ir 3170377 Gap 6.0 bits p35 5.5 bits p10 5.2 bits
... sd-ir 3170377 ygiZ_mdaB+ total 5.7 bits p35-(21)-p10 3170419 Gap 3.3 bits
p35 3.1 bits p35-p10 3170419 total 7.4 bits
p35-(24)-p10 3170410 Gap 2.4 bits
p35-p10 3170410 total 4.2 bits
p35 1.2 bits
p35-(23)-p10 3170442 Gap 1.
p35-p10 3170442 total 5.4 b
*3170450 *3170460 *3170470 *3170480 *3170490 *3170500 *3170510 *3170520 *
5′ c a g a c t t t t g c t a a a t t c g c a a a a g a c t t t g c a c a t t t t g c t a a t t t c a c c g t a c c g c t c t g t g a c g t a c t a t a g t c g g c a 3′
- arg - leu - leu - leu - asn - ser - gln - lys - thr - leu - his - ile - leu - leu - ile - ser - pro - tyr - arg - ser - val - thr - tyr - tyr - ser - arg - gln -
p35 5.2 bits p10 2.2 bits p35 3.8 bits p10 5.6 bits
p35-(24)-p10 3170479 Gap 2.4 bits
p10 5.9 bits
p35-p10 3170479 total 5.0 bits
p35-(23)-p10 3170515 Gap 1.4 bits
p35-p10 3170515 total 8.0 bits
p35-(26)-p10 3170518 Gap 3.7 bits
p35-p10 3170518 total 5.9 bits
*3170530 *3170540 *3170550 *3170560 *3170570
5′ a a c g t c t c a c c t t g a g g t t a a a a a a t g a g c a a c a t c c t g a t t a t 3′
-fMet - ser - asn - ile - leu - ile -
- thr - ser - his - leu - glu - val - lys - lys -
-fMet - arg - leu - lys - asn - glu - gln - his - pro - asp - tyr -
sd [---------- ... NC_000913.mdaB
ir ygiZ_mdaB+
sd-(8)-ir 3170552 Gap 2.4 bits
sd-ir 3170552 ygiZ_mdaB+ total 11.9 bits