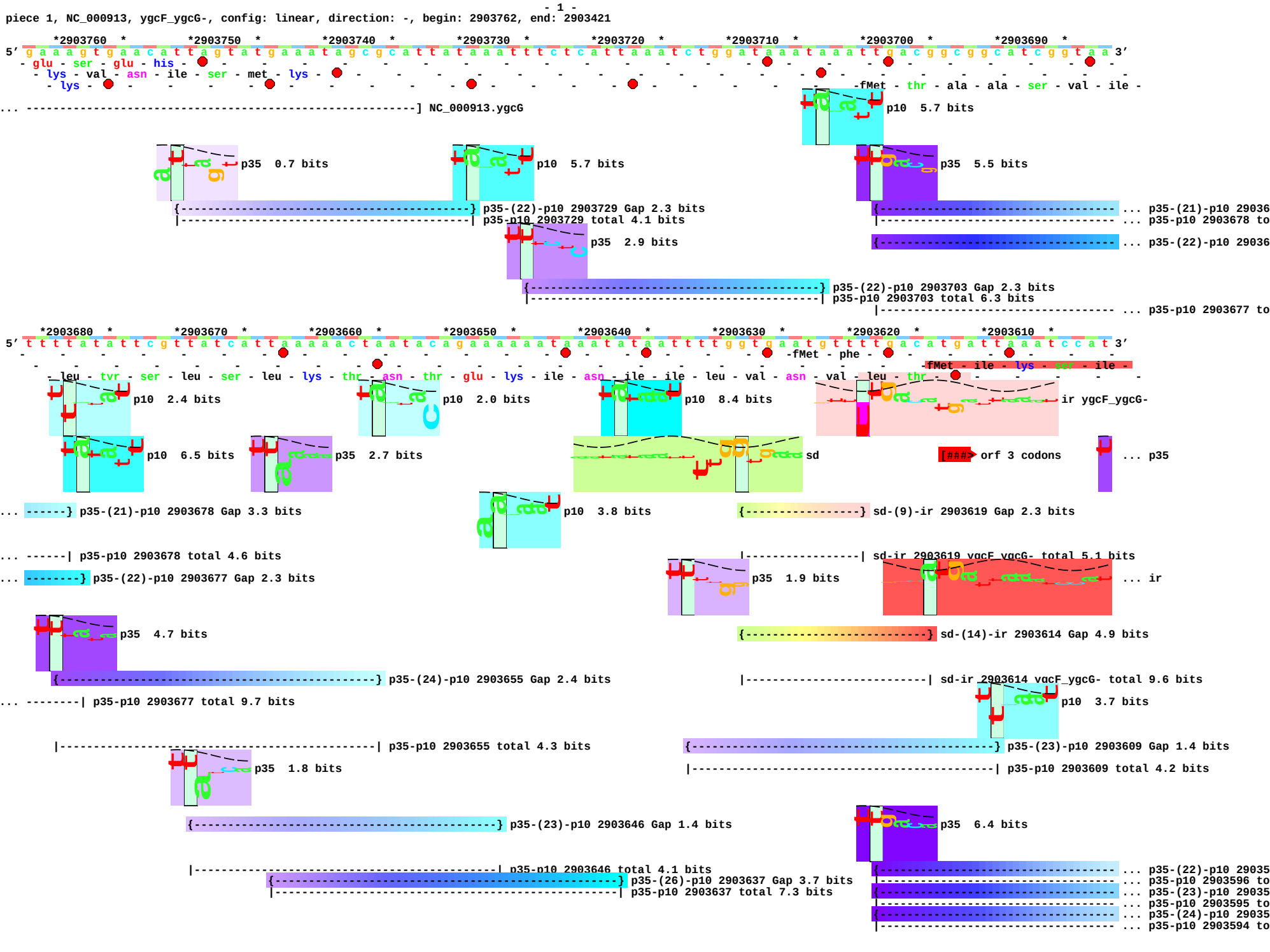
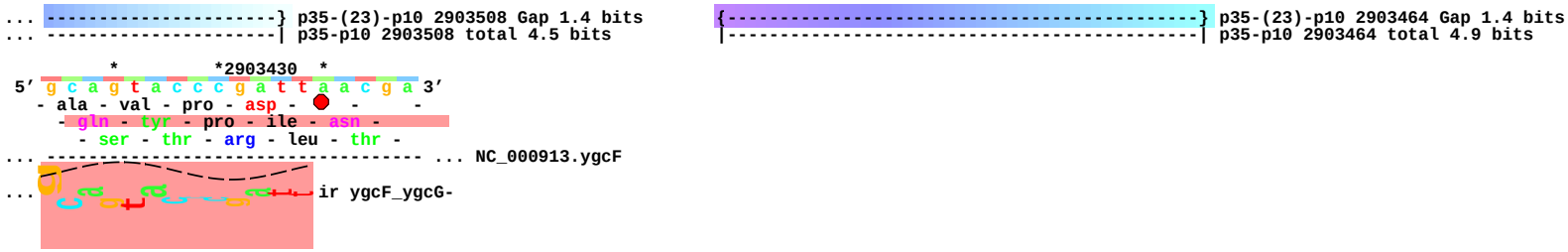

piece 1, NC_000913, ygcF_ygcG-, config: linear, direction: -, begin: 2903762, end: 2903421
*2903760 *2903750 *2903740 *2903730 *2903720 *2903710 *2903700 *2903690 *
5' g a a a g t g a a c a t t a g t a t g a a a t a g c g c a t t a t a a a t t t c t c a t t a a a t c t g g a t a a a t a a a t t g a c g g c g g c a t c g g t a a 3'
- glu - ser - glu - his -
- lys - val - asn - ile - ser - met - lys -
- lys -
-fMet - thr - ala - ala - ser - val - ile -
...] NC_000913.ygcG
p10 5.7 bits
p35 0.7 bits
p10 5.7 bits
p35 5.5 bits
} p35-(22)-p10 2903729 Gap 2.3 bits
| p35-p10 2903729 total 4.1 bits
... p35-(21)-p10 29036
... p35-p10 2903678 to
p35 2.9 bits
... p35-(22)-p10 29036
} p35-(22)-p10 2903703 Gap 2.3 bits
| p35-p10 2903703 total 6.3 bits
... p35-p10 2903677 to
*2903680 *2903670 *2903660 *2903650 *2903640 *2903630 *2903620 *2903610 *
5' t t t t a t t c g t t a t c a t t a a a a a c t a a t a c a g a a a a a a t a a a t a t a t t t t g g t g a a t g t t t t g a c a t g a t t a a a t c c a t 3'
-fMet - phe -
-fMet - ile - lys - ser - ile -
- leu - tyr - ser - leu - ser - leu - lys - thr - asn - thr - glu - lys - ile - asn - ile - ile - leu - val - asn - val - leu - thr -
p10 2.4 bits
p10 2.0 bits
p10 8.4 bits
ir ygcF_ygcG-
p10 6.5 bits
p35 2.7 bits
sd
[###> orf 3 codons
... p35
... } p35-(21)-p10 2903678 Gap 3.3 bits
p10 3.8 bits
} sd-(9)-ir 2903619 Gap 2.3 bits
... | p35-p10 2903678 total 4.6 bits
| sd-ir 2903619 ygcF_ygcG- total 5.1 bits
... } p35-(22)-p10 2903677 Gap 2.3 bits
p35 1.9 bits
... ir
p35 4.7 bits
} sd-(14)-ir 2903614 Gap 4.9 bits
} p35-(24)-p10 2903655 Gap 2.4 bits
| sd-ir 2903614 ygcF_ygcG- total 9.6 bits
... | p35-p10 2903677 total 9.7 bits
p10 3.7 bits
| p35-p10 2903655 total 4.3 bits
} p35-(23)-p10 2903609 Gap 1.4 bits
p35 1.8 bits
| p35-p10 2903609 total 4.2 bits
} p35-(23)-p10 2903646 Gap 1.4 bits
p35 6.4 bits
| p35-p10 2903646 total 4.1 bits
... p35-(22)-p10 29035
... p35-p10 2903596 to
... p35-(23)-p10 29035
... p35-p10 2903595 to
... p35-(24)-p10 29035
... p35-p10 2903594 to
} p35-(26)-p10 2903637 Gap 3.7 bits
| p35-p10 2903637 total 7.3 bits

*2903600 *2903590 *2903580 *2903570 *2903560 *2903550 *2903540 *2903530 *2903520
5′ t t t c t t t a t t t t c t t c t g a c a t a a t a c g t t a c t c c c t t t a a t t a t t a a c g a t a t g t t t c g c a t t t t t c t t t a a a c c t g c c t 3′
- phe - phe - ile - phe - phe - fMet - phe - arg - ile - phe - leu -
p10 0.3 bits [###> orf 11 codons
p35 5.7 bits
p10 2.3 bits
... p35-(25)-p10 2
... p35-p10 290359
p35 4.8 bits
p10 2.0 bits
p35-(24)-p10 2903539 Gap 2.4 bits
p10 2.6 bits
p10 3.1 bits
p35-p10 2903539 total 5.6 bits
p10 0.5 bits
p35 4.8 bits
... ir ygcF_ygcG-
... p35-(22)-p10 2
p10 5.2 bits
... p35-p10 290351
p35-(22)-p10 2903578 Gap 2.3 bits
p35 5.6 bits
p35-p10 2903578 total 4.4 bits
... p35-(23)-p10 2
p35 4.5 bits
... p35-p10 290350
p35-(24)-p10 2903575 Gap 2.4 bits
p35-p10 2903575 total 5.2 bits
... p35-(22)-p10 2903596 Gap 2.3 bits
... p35-p10 2903596 total 4.4 bits
... p35-(23)-p10 2903595 Gap 1.4 bits
... p35-p10 2903595 total 7.6 bits
... p35-(24)-p10 2903594 Gap 2.4 bits
... p35-p10 2903594 total 4.5 bits
... p35-(25)-p10 2903593 Gap 4.0 bits
... p35-p10 2903593 total 7.6 bits
*2903510 *2903500 *2903490 *2903480 *2903470 *2903460 *2903450 *2903440
5′ g t a a c a g a a t g t t a a t a a g a c a t g a t t g t t g t g g c a g g a t c t g c a a t a a t t a a c a a t t a t c c a c t t c a c a g a g a a t g c t a t 3′
-fMet - ile - val - val - ala - gly - ser - ala - ile - ile - asn - asn - tyr - pro - leu - his - arg - glu - cys - tyr -
-fMet - leu - trp - gln - asp - leu - gln - fMet -
-fMet - leu - ile - arg - his - asp - cys - cys - gly - arg - ile - cys - asn - asn - fMet - leu - cys -
p10 3.7 bits
p35 2.6 bits
p10 4.6 bits
sd [--- ... NC_000913.ygcF
p10 0.4 bits
p35 2.8 bits
p10 3.2 bits
... ir
p35-(23)-p10 2903474 Gap 1.4 bits
sd-(9)-ir 2903440 Gap
p35-p10 2903474 total 5.8 bits
sd-ir 2903440 ygcF_yg
... p35-(22)-p10 2903514 Gap 2.3 bits
p35-(23)-p10 2903467 Gap 1.4 bits
... p35-p10 2903514 total 6.1 bits
p35-p10 2903467 total 4.5 bits
p35 3.1 bits
p10 3.3 bits


... ----------} p35-(23)-p10 2903508 Gap 1.4 bits
... ----------| p35-p10 2903508 total 4.5 bits
{----------} p35-(23)-p10 2903464 Gap 1.4 bits
|----------| p35-p10 2903464 total 4.9 bits
* *2903430 *
5’ g c a g t a c c c g a t t a a c g a 3’
- ala - val - pro - asp -
- gln - tyr - pro - ile - asn -
- ser - thr - arg - leu - thr -
... ---------- ... NC_000913.ygcF
... ir ygcF_ygcG-