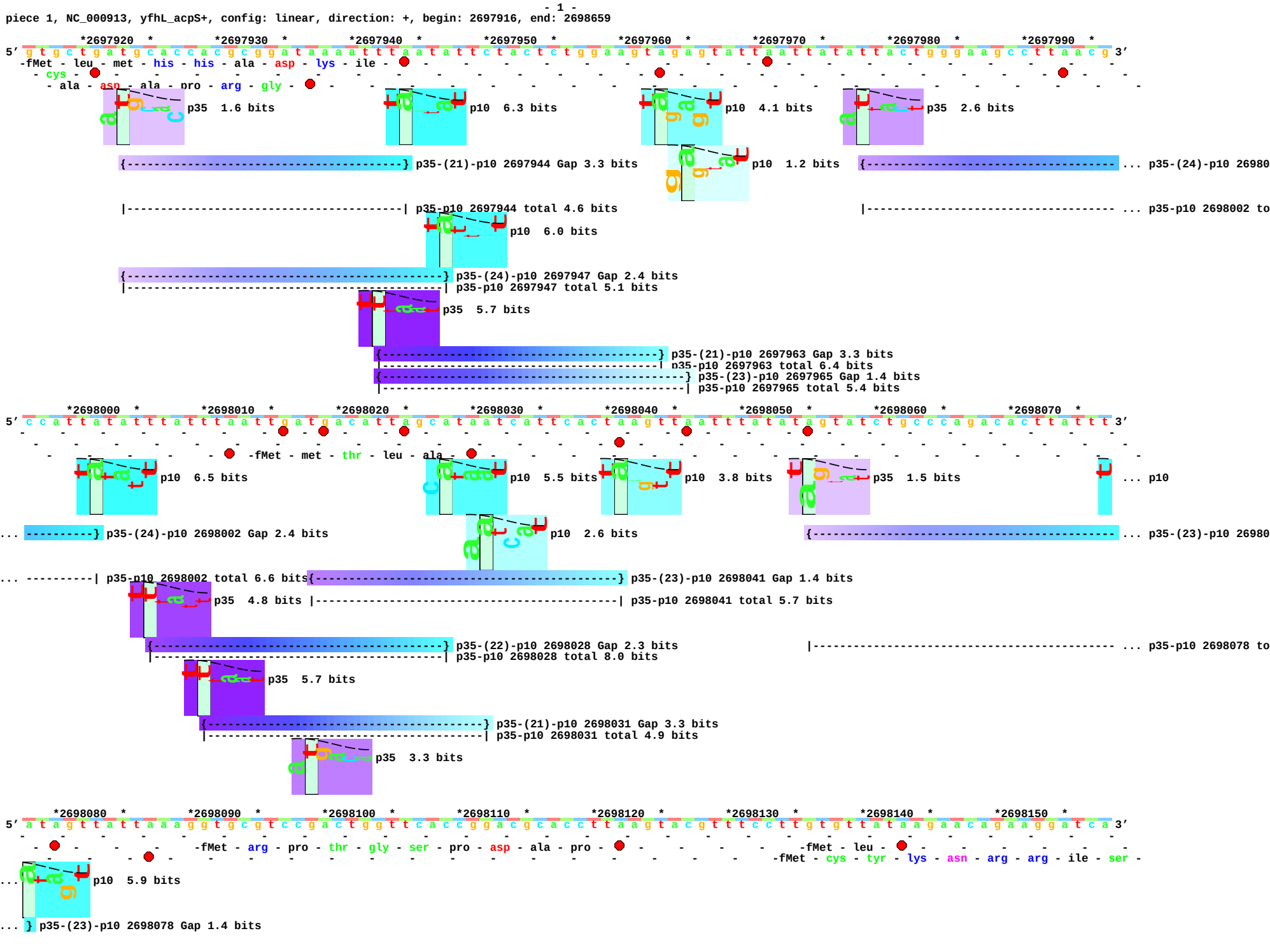
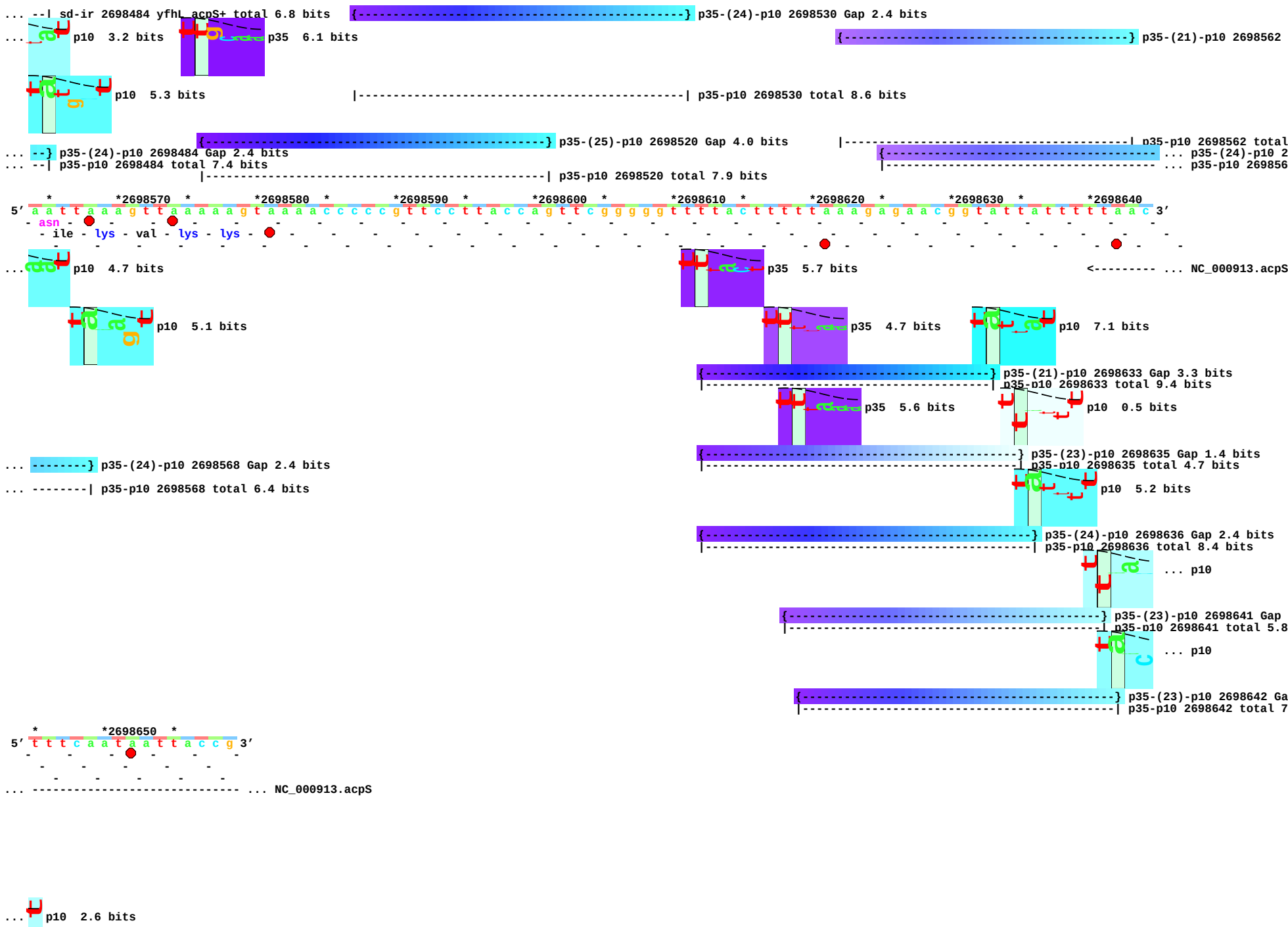

piece 1, NC_000913, yfhL_acpS+, config: linear, direction: +, begin: 2697916, end: 2698659
*2697920 *2697930 *2697940 *2697950 *2697960 *2697970 *2697980 *2697990 *
5′ g t g c t g a t g c a c c a c g c g g a t a a a t t t a a t a t t c t a c t c t g g a a g t a g a g t a t t a a t t a t a t t a c t g g g a a g c c t t a a c g 3′
-fMet - leu - met - his - his - ala - asp - lys - ile -
- cys -
- ala - asp - ala - pro - arg - gly -
p35 1.6 bits
p10 6.3 bits
p10 4.1 bits
p35 2.6 bits
p35-(21)-p10 2697944 Gap 3.3 bits
p10 1.2 bits
... p35-(24)-p10 26980
p35-p10 2697944 total 4.6 bits
... p35-p10 2698002 to
p10 6.0 bits
p35-(24)-p10 2697947 Gap 2.4 bits
p35-p10 2697947 total 5.1 bits
p35 5.7 bits
p35-(21)-p10 2697963 Gap 3.3 bits
p35-p10 2697963 total 6.4 bits
p35-(23)-p10 2697965 Gap 1.4 bits
p35-p10 2697965 total 5.4 bits
*2698000 *2698010 *2698020 *2698030 *2698040 *2698050 *2698060 *2698070 *
5′ c c a t t a t a t t t a t t t a a t t g a t g a c a t t a g c a t a a t c a t t c a c t a a g t t a a t t t a t a t a g t a t c t g c c c a g a c a c t t a t t t 3′
-fMet - met - thr - leu - ala -
p10 6.5 bits
p10 5.5 bits
p10 3.8 bits
p35 1.5 bits
... p10
p35-(24)-p10 2698002 Gap 2.4 bits
p10 2.6 bits
... p35-(23)-p10 26980
p35-p10 2698002 total 6.6 bits
p35-(23)-p10 2698041 Gap 1.4 bits
p35 4.8 bits
p35-p10 2698041 total 5.7 bits
p35-(22)-p10 2698028 Gap 2.3 bits
... p35-p10 2698078 to
p35-p10 2698028 total 8.0 bits
p35 5.7 bits
p35-(21)-p10 2698031 Gap 3.3 bits
p35-p10 2698031 total 4.9 bits
p35 3.3 bits
*2698080 *2698090 *2698100 *2698110 *2698120 *2698130 *2698140 *2698150 *
5′ a t a g t t a t t a a a g g t g c g t c c g a c t g g t t c a c c g g a c g c a c c t t a a g t a c g t t t c c t t g t g t t a t a a g a a c a g a a g g a t c a 3′
-fMet - arg - pro - thr - gly - ser - pro - asp - ala - pro -
-fMet - leu -
-fMet - cys - tyr - lys - asn - arg - arg - ile - ser -
... p10 5.9 bits
... } p35-(23)-p10 2698078 Gap 1.4 bits

... | p35-p10 2698078 total 6.0 bits
*2698160 *2698170 *2698180 *2698190 *2698200 *2698210 *2698220 *2698230 *
5' g c t g t a a a a c a g c a a t g a t g a t t t t g a t g a c c c g t t t a a t c a g g t a t c g g c a a t c a g t c a t t c g t t t t t c c t t a a a c a a g g 3'
- cys - lvs - thr - ala - met - met - ile - leu - met - thr - arg - leu - ile - arg - tyr - arg - gln - ser - val - ile - arg - phe - ser - leu - asn - lys - glu -
sd
ir yfhL_acpS+
{------------------} sd-(10)-ir 2698185 Gap 2.7 bits
|------------------| sd-ir 2698185 yfhL_acpS+ total 6.5 bits
*2698240 *2698250 *2698260 *2698270 *2698280 *2698290 *2698300 *2698310 *2698320
5' a a t g c a g c c a t t c a g a t t a g c c c t t a c a t c t c c c c a a a a c t g a a c g t g c g a g t t a t t g a g g g t g c a t g c t g c a c t c c a c a c 3'
-fMet - arg - val - ile - glu - gly - ala - cys - cys - thr - pro - his -
-fMet - gln - pro - phe - arg - leu - ala - leu - thr - ser - pro - gln - asn - -fMet - arg - val - his - ala - ala - leu - his - thr -
- cys - ser - his - ser - asp - -fMet - leu - his - ser - thr - pro -
[###> orf 25 codons
*2698330 *2698340 *2698350 *2698360 *2698370 *2698380 *2698390 *2698400
5' c a g a g c t t t g a c g a c a c c a c t c g t t t c a a t g g g g g a a t t c t g t g g c a t g g t g t a a a g c a c a g c a a a a t c t t c a a t a a c g a a 3'
- gln - ser - phe - asp - asp - thr - thr - arg - phe - asn - gly - gly - ile - leu - trp - his - gly - val - lys - his - ser - lys - ile - phe - asn - asn - glu -
- arg - ala - leu - thr - thr - pro - leu - val - ser - met - gly - glu - phe - cys - gly - met - val -
- glu - leu - -fMet - ala - trp - cys - lys - ala - gln - gln - asn - leu - gln -
sd
ir yfhL_acpS+
[###> orf 3 codons
{----------------------} sd-(12)-ir 2698367 Gap 4.0 bits
|----------------------| sd-ir 2698367 yfhL_acpS+ total 5.7 bits
*2698410 *2698420 *2698430 *2698440 *2698450 *2698460 *2698470 *2698480
5' g c c a a t t t t a a t g t a c t t a c g a a t t g g c g g t c a c g t t a a t c t t t c c a t c a a t a t t g c t t t c t t c g t a a a g g c t c g a g t t t t 3'
- ala - asn - phe - asn - val - leu - thr - asn - trp - arg - ser - arg -
-fMet - tyr - leu - arg - ile - gly - gly - his - val - asn - leu - ser - ile - asn - ile - ala - phe - phe - val - lys - ala - arg - val - phe -
-fMet - ala - val - thr - leu - ile - phe - pro - ser - ile - leu - leu - ser - ser -
p35 3.5 bits
p10 5.2 bits
sd
... ir
{--} p35-(25)-p10 2698439 Gap 4.0 bits
p35 4.5 bits
{---------- ... sd-(12)-ir 269
|--| p35-p10 2698439 total 4.7 bits
p35 5.3 bits
|---------- ... sd-ir 2698484
... p10
{--} p35-(25)-p10 2698481
|--| p35-p10 2698481 total
{---------- ... p35-(24)-p10 2
|---------- ... p35-p10 269848
*2698490 *2698500 *2698510 *2698520 *2698530 *2698540 *2698550 *2698560
5' t a t g c t a a a g a t t g c a a g t t g c t t g t a a a a g a t a a g t a c a c t g a t c c a t a a t c g c t g t t g t t g a g g g t g c a t g c t g c a c a a 3'
-fMet - leu - val - lys - asp - lys - tyr - thr - asp - pro - -fMet - leu - arg - val - his - ala - ala - gln -
- met - leu - lys - ile - ala - ser - cys - leu - -fMet - gln - val - ala - cys - lys - arg - -fMet - leu - his - lys -
... ir yfhL_acpS+
[###> orf 9 codons
p10 5.8 bits
p35 3.8 bits
... p10
... --} sd-(12)-ir 2698484 Gap 4.0 bits
p35 5.5 bits
p10 5.5 bits
p35 3.7 bits


... --| sd-ir 2698484 yfhL acpS+ total 6.8 bits
{----------} p35-(24)-p10 2698530 Gap 2.4 bits
... p10 3.2 bits
p35 6.1 bits
{----------} p35-(21)-p10 2698562
p10 5.3 bits
|----------| p35-p10 2698530 total 8.6 bits
{----------} p35-(25)-p10 2698520 Gap 4.0 bits
|----------| p35-p10 2698562 total
... --} p35-(24)-p10 2698484 Gap 2.4 bits
{---------- ... p35-(24)-p10 2
... --| p35-p10 2698484 total 7.4 bits
|---------- ... p35-p10 269856
|----------| p35-p10 2698520 total 7.9 bits
*2698570 *2698580 *2698590 *2698600 *2698610 *2698620 *2698630 *2698640
5′ a a t t a a a g t t a a a a a g t a a a a c c c c c g t t c c t t a c c a g t t c g g g g g t t t t a c t t t t t a a a g a g a a c g g t a t t a t t t t t a a c 3′
- asn -
- ile - lys - val - lys - lys -
... p10 4.7 bits
p35 5.7 bits
<--------- ... NC_000913.acpS
p10 5.1 bits
p35 4.7 bits
p10 7.1 bits
{----------} p35-(21)-p10 2698633 Gap 3.3 bits
|----------| p35-p10 2698633 total 9.4 bits
p35 5.6 bits
p10 0.5 bits
... --------} p35-(24)-p10 2698568 Gap 2.4 bits
{----------} p35-(23)-p10 2698635 Gap 1.4 bits
... --------| p35-p10 2698568 total 6.4 bits
|----------| p35-p10 2698635 total 4.7 bits
p10 5.2 bits
{----------} p35-(24)-p10 2698636 Gap 2.4 bits
|----------| p35-p10 2698636 total 8.4 bits
... p10
{----------} p35-(23)-p10 2698641 Gap
|----------| p35-p10 2698641 total 5.8
... p10
{----------} p35-(23)-p10 2698642 Ga
|----------| p35-p10 2698642 total 7
*2698650 *
5′ t t t c a a t a a t t a c c g 3′
... ---------- ... NC_000913.acpS
... p10 2.6 bits

...
p10 3.7 bits