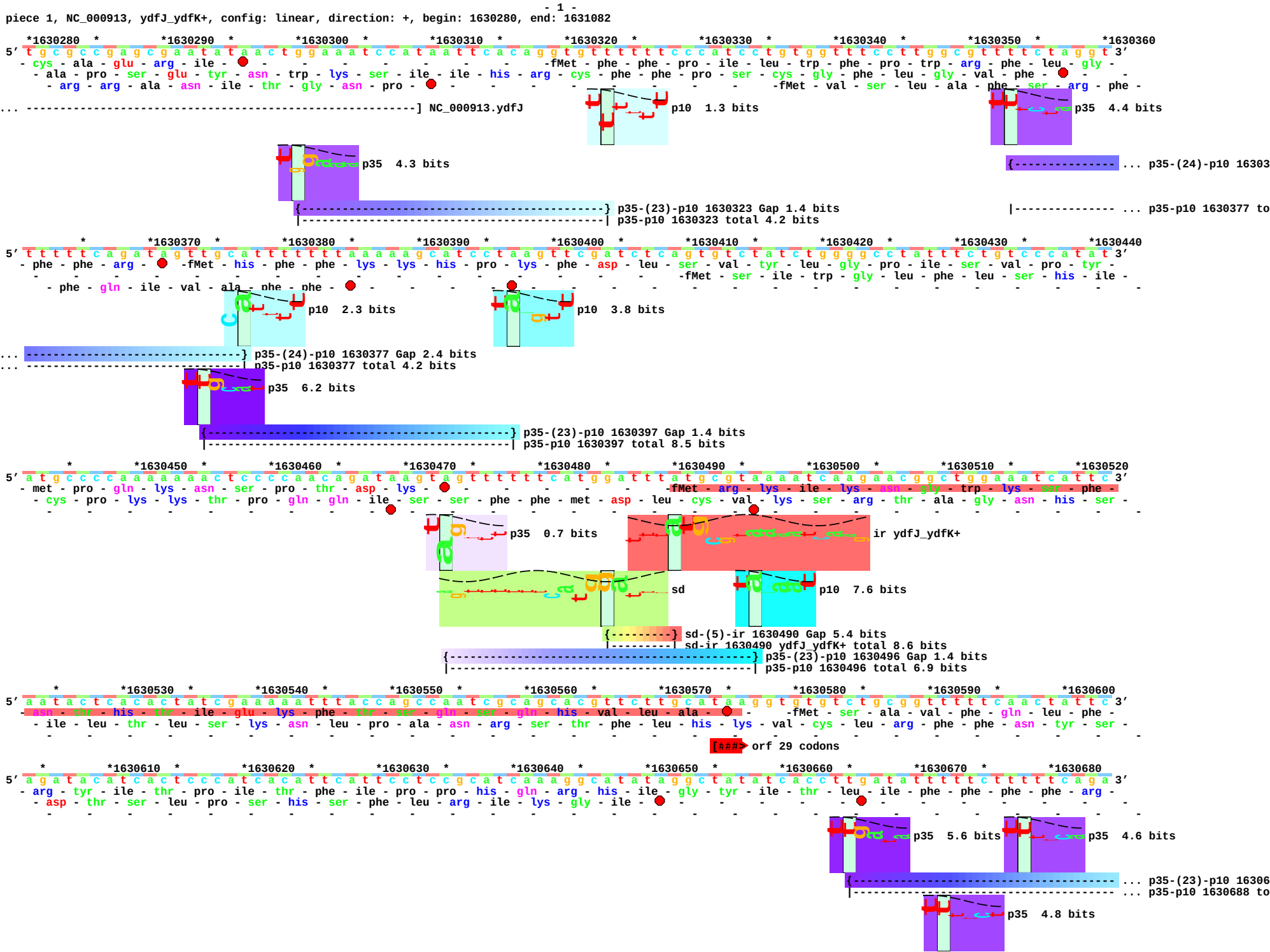
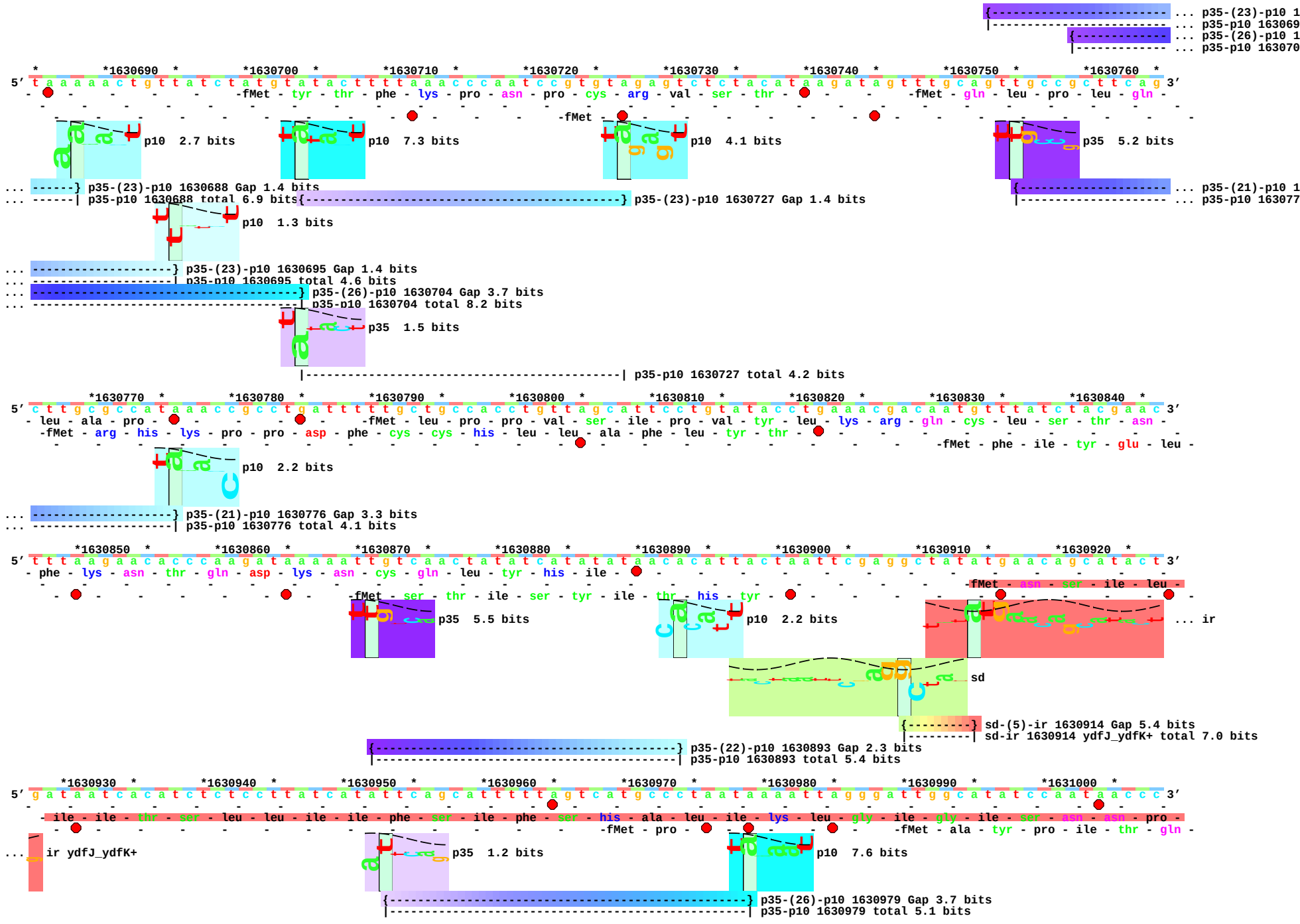
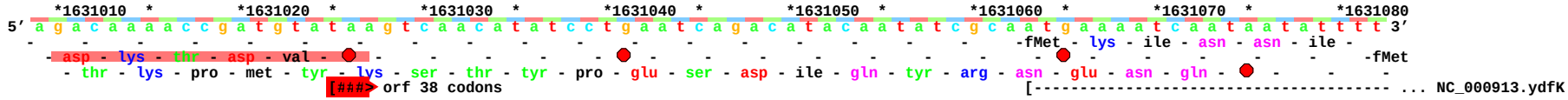

piece 1, NC_000913, ydfJ_ydfK+, config: linear, direction: +, begin: 1630280, end: 1631082
*1630280 *1630290 *1630300 *1630310 *1630320 *1630330 *1630340 *1630350 *1630360
5′ t g c g c c g a g c g a a t a t a a c t g g a a a t c c a t a a t t c a c a g g t g t t t t t t c c c a t c c t g t g g t t t c c t t g g c g t t t t c t a g g t 3′
- cys - ala - glu - arg - ile - -fMet - phe - phe - pro - ile - leu - trp - phe - pro - trp - arg - phe - leu - gly -
- ala - pro - ser - glu - tyr - asn - trp - lys - ser - ile - ile - his - arg - cys - phe - phe - pro - ser - cys - gly - phe - leu - gly - val - phe -
- arg - arg - ala - asn - ile - thr - gly - asn - pro - -fMet - val - ser - leu - ala - phe - ser - arg - phe -
... ----------] NC_000913.ydfJ
p10 1.3 bits
p35 4.4 bits
p35 4.3 bits
{---------- ... p35-(24)-p10 16303
{----------} p35-(23)-p10 1630323 Gap 1.4 bits
|----------| p35-p10 1630323 total 4.2 bits
|---------- ... p35-p10 1630377 to
*1630370 *1630380 *1630390 *1630400 *1630410 *1630420 *1630430 *1630440
5′ t t t t t c a g a t a g t t g c a t t t t t t t a a a a g c a t c c t a a g t t c g a t c t c a g t g t c t a t c t g g g g c c t a t t t c t g t c c c a t a t 3′
- phe - phe - arg - -fMet - his - phe - phe - lys - lys - his - pro - lys - phe - asp - leu - ser - val - tyr - leu - gly - pro - ile - ser - val - pro - tyr -
- -fMet - ser - ile - trp - gly - leu - phe - leu - ser - his - ile -
- phe - gln - ile - val - ala - phe - phe -
p10 2.3 bits
p10 3.8 bits
... ----------} p35-(24)-p10 1630377 Gap 2.4 bits
... ----------| p35-p10 1630377 total 4.2 bits
p35 6.2 bits
{----------} p35-(23)-p10 1630397 Gap 1.4 bits
|----------| p35-p10 1630397 total 8.5 bits
*1630450 *1630460 *1630470 *1630480 *1630490 *1630500 *1630510 *1630520
5′ a t g c c c c a a a a a a a c t c c c c a a c a g a t a a g t a g t t t t t t c a t g g a t t t a t g c g t a a a a t c a a g a a c g g c t g g a a a t c a t t c 3′
- met - pro - gln - lys - asn - ser - pro - thr - asp - lys - -fMet - arg - lys - ile - lys - asn - gly - trp - lys - ser - phe -
- cys - pro - lys - lys - thr - pro - gln - gln - ile - ser - ser - phe - phe - met - asp - leu - cys - val - lys - ser - arg - thr - ala - gly - asn - his - ser -
p35 0.7 bits
ir ydfJ_ydfK+
sd
p10 7.6 bits
{---------} sd-(5)-ir 1630490 Gap 5.4 bits
|---------| sd-ir 1630490 ydfJ_ydfK+ total 8.6 bits
{----------} p35-(23)-p10 1630496 Gap 1.4 bits
|----------| p35-p10 1630496 total 6.9 bits
*1630530 *1630540 *1630550 *1630560 *1630570 *1630580 *1630590 *1630600
5′ a a t a c t c a c a c t a t c g a a a a a t t t a c c a g c c a a t c g c a g c a c g t t c t t g c a t a a g t g t g t c t g c g g t t t t t c a a c t a t t c 3′
- asn - thr - his - thr - ile - glu - lys - phe - thr - ser - gln - ser - gln - his - val - leu - ala - -fMet - ser - ala - val - phe - gln - leu - phe -
- ile - leu - thr - leu - ser - lys - asn - leu - pro - ala - asn - arg - ser - thr - phe - leu - his - lys - val - cys - leu - arg - phe - phe - asn - tyr - ser -
[###> orf 29 codons
*1630610 *1630620 *1630630 *1630640 *1630650 *1630660 *1630670 *1630680
5′ a g a t a c a t c a c t c c c a t c a c a t t c a t t c c t c c g c a t c a a a g g c a t a t a g g c t a t a t c a c c t t g a t a t t t t t c t t t t t c a g a 3′
- arg - tyr - ile - thr - pro - ile - thr - phe - ile - pro - pro - his - gln - arg - his - ile - gly - tyr - ile - thr - leu - ile - phe - phe - phe - phe - arg -
- asp - thr - ser - leu - pro - ser - his - ser - phe - leu - arg - ile - lys - gly - ile -
p35 5.6 bits
p35 4.6 bits
{---------- ... p35-(23)-p10 16306
|---------- ... p35-p10 1630688 to
p35 4.8 bits


... p35-(23)-p10 1
... p35-p10 163069
... p35-(26)-p10 1
... p35-p10 163070
5′ t a a a a a c t g t t a t c t a t g t a t a c t t t t a a a c c c a a t c c g t g t a g a g t c t c t a c a t a a g a t a g t t t g c a g t t g c c g c t t c a g 3′
- fMet - tyr - thr - phe - lys - pro - asn - pro - cys - arg - val - ser - thr - fMet - gln - leu - pro - leu - gln -
fMet
p10 2.7 bits
p10 7.3 bits
p10 4.1 bits
p35 5.2 bits
... p35-(23)-p10 1630688 Gap 1.4 bits
... p35-p10 1630688 total 6.9 bits
p35-(23)-p10 1630727 Gap 1.4 bits
... p35-(21)-p10 1
... p35-p10 163077
p10 1.3 bits
... p35-(23)-p10 1630695 Gap 1.4 bits
... p35-p10 1630695 total 4.6 bits
... p35-(26)-p10 1630704 Gap 3.7 bits
... p35-p10 1630704 total 8.2 bits
p35 1.5 bits
p35-p10 1630727 total 4.2 bits
5′ c t t g c g c c a t a a a c c g c c t g a t t t t t g c t g c c a c c t g t t a g c a t t c c t g t a t a c c t g a a a c g a c a a t g t t t a t c t a c g a a c 3′
- leu - ala - pro - fMet - leu - pro - pro - val - ser - ile - pro - val - tyr - leu - lys - arg - gln - cys - leu - ser - thr - asn -
-fMet - arg - his - lys - pro - pro - asp - phe - cys - cys - his - leu - leu - ala - phe - leu - tyr - thr - fMet - phe - ile - tyr - glu - leu -
p10 2.2 bits
... p35-(21)-p10 1630776 Gap 3.3 bits
... p35-p10 1630776 total 4.1 bits
5′ t t t a a g a a c a c c c a a g a t a a a a a t t g t c a a c t a t a t c a t a t a a c a c a t t a c t a a t t c g a g g c t a t a t g a a c a g c a t a c t 3′
- phe - lys - asn - thr - gln - asp - lys - asn - cys - gln - leu - tyr - his - ile - fMet - asn - ser - ile - leu -
-fMet - ser - thr - ile - ser - tyr - ile - thr - his - tyr -
p35 5.5 bits
p10 2.2 bits
... ir
sd
sd-(5)-ir 1630914 Gap 5.4 bits
sd-ir 1630914 ydfJ_ydfK+ total 7.0 bits
p35-(22)-p10 1630893 Gap 2.3 bits
p35-p10 1630893 total 5.4 bits
5′ g a t a a t c a c a t c t c t c c t t a t c a t a t t c a g c a t t t t t a g t c a t g c c c t a a t a a a a t t a g g g a t t g g c a t a t c c a a t a a c c c 3′
- ile - ile - thr - ser - leu - leu - ile - ile - phe - ser - his - ala - leu - ile - lys - leu - gly - ile - gly - ile - ser - asn - asn - pro -
-fMet - pro - fMet - ala - tyr - pro - ile - thr - gln -
... ir ydfJ_ydfK+
p35 1.2 bits
p10 7.6 bits
p35-(26)-p10 1630979 Gap 3.7 bits
p35-p10 1630979 total 5.1 bits


*1631010
*1631020
*1631030
*1631040
*1631050
*1631060
*1631070
*1631080
5’ a g a c a a a a c c g a t g t a t a a g t c a a c a t a t c c t g a a t c a g a c a t a c a a t a t c g c a a t g a a a a t c a a t a a t a t t t t 3’
-fMet - lys - ile - asn - asn - ile -
- asp - lys - thr - asp - val -
-fMet
- thr - lys - pro - met - tyr - lys - ser - thr - tyr - pro - glu - ser - asp - ile - gln - tyr - arg - asn - glu - asn - gln -
[###> orf 38 codons
[---------- ... NC_000913.ydfK