

piece 1, NC_000913, hns_tdk-, config: linear, direction: -, begin: 1292779, end: 1292126

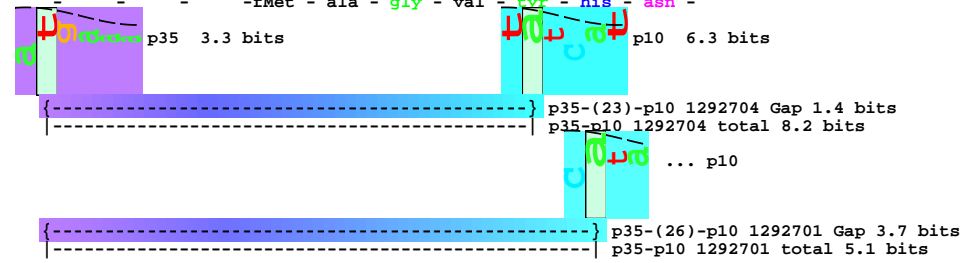
5' ^{*} t g c g g a a t a g t a g a a a t a t a g c t g t g c c a t c a g c c a c a g g c c c t c a a t g a t a t g a a a t a a a g t t g g c t g g a g t t t a t c a t a 3'

-fMet -fMet -lys -fMet -ala -gly -val -tyr -his -asn -

ala -glu -ile -val -glu -ile -ile -ala -val -pro -ser -ala -thr -gly -pro -gln -fMet -ile -fMet -ala -gly -val -tyr -his -asn -

arg -asn -ser -arg -asn -ile -ala -val -pro -ser -ala -thr -gly -pro -gln -fMet -ile -fMet -ala -gly -val -tyr -his -asn -

...] NC_000913.tdk



5' ^{*} a t t c g t c a g t t t t t c a g c t c a a c a g t a t g c a c a g a a g t g g g t a t a t g c g t t c t c c c t t a c g a a g c c t t g c a t a a t c c t c t 3'

-fMet -gly -ile -cys -val -leu -pro -tyr -glu -ala -leu -his -asn -pro -ser -

ser -ser -val -phe -gln -leu -asn -ser -met -his -arg -ser -gly -tyr -met -arg -ser -pro -leu -arg -ser -leu -ala -

... p10 5.5 bits

... p35-(25)-p10 1292606 Gap 4.8 bits

... p35-p10 1292606 total 4.8 bits



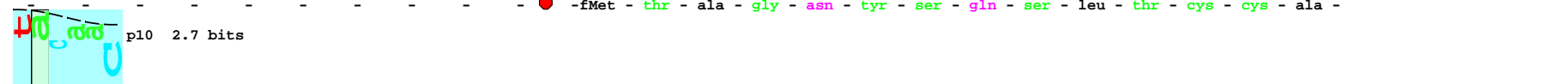
5' ^{*} g a g c t a t c a t t a c a a c t g c c t c g c t t g t t a t a a g c g g g t a a a t g a c t g c t g g t a a c t a t t c a c a a t c c t t t a a c c t g t t g c g 3'

-fMet -thr -ala -gly -asn -tyr -ser -gln -ser -leu -thr -cys -cys -ala -

... p10 2.7 bits

... p35-(25)-p10 1292606 Gap 4.0 bits

... p35-p10 1292606 total 4.8 bits



5' ^{*} c a a g t a a t a g c c c t c t g t t g a c c t c c a g g a g a t a g t g c a a t a c t a a g t c c a t g c t c t t a t t g c g a c t g t t c t a c t t t t c a t 3'

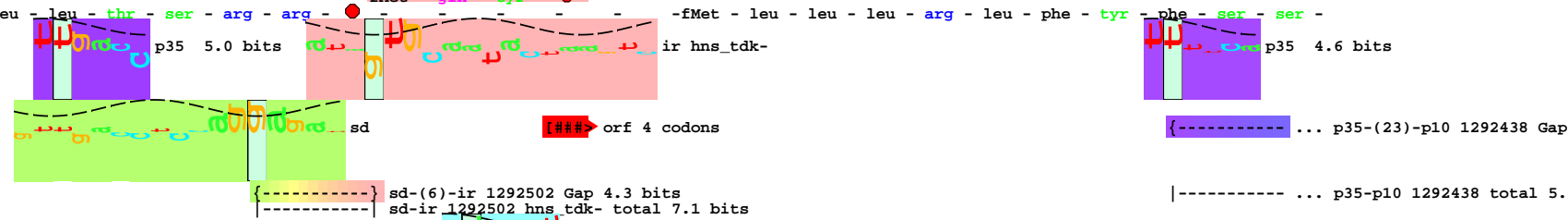
-lys -asn -ser -pro -leu -leu -thr -ser -arg -arg -fMet -gln -tyr -fMet -leu -leu -leu -arg -leu -phe -tyr -phe -ser -ser -

... p35 5.0 bits

... ir hns_tdk-

... p35 4.6 bits

... p35-(23)-p10 1292438 Gap



5' ^{*} c a t t c g c t t a a t a g g g a a t t c t c t g t a a a c a c a a c t a a t a c a g a a g a c t g a a a g g t c g t c a g c c t a c g a t a a t c t c c c c a t a 3'

... p10 3.5 bits

... p35-(21)-p10 1292497 Gap 3.3 bits

... p35-p10 1292497 total 5.2 bits

5' ^{*} c a t t c g c t t a a t a g g g a a t t c t c t g t a a a c a c a a c t a a t a c a g a a g a c t g a a a g g t c g t c a g c c t a c g a t a a t c t c c c c a t a 3'

- phe - ala - ● - ● - - - - - ● - - - - - ● - - - - -
p10 2.2 bits ... sd

p35-(23)-p10 1292438 Gap 1.4 bits
p35-p10 1292438 total 5.4 bits

5' *1292370 * *1292360 * *1292350 * *1292340 * *1292330 * *1292320 * *1292310 * *1292300 *
a a a t g t g a c a t g a a t c a g g a a g t t t t a a c c t c a c g t g c t g c g a a a t c a t c g g t g t a a a t a g g g c t a t a t g c c g c g t c t t t t 3'
-fMet - thr -fMet - glu - glu - val - leu - thr - ser - arg - ala - ala - lys - ser - ser - val -
-fMet - leu - arg - asn - his - arg - cys - lys - -fMet - pro - arg - leu - phe -

sd ir hns_tdk- ... p35
[###] orf 16 codons ... sd

sd-(5)-ir 1292365 Gap 5.4 bits
sd-ir 1292365 hns_tdk- total 6.7 bits

5' *1292290 * *1292280 * *1292270 * *1292260 * *1292250 * *1292240 * *1292230 * *1292220 *
c t g g c t a a t t t t a t g a a a a g a t a t t t a t t g g c g g c a c a a a a t a a a g a a c a a t t t t g a a t t c c t t a c a t t c c t g g c t a t t g c 3'
- trp - leu - ile - leu -fMet - lys - arg - tyr - leu - leu - ala - ala - glu - asn - lys - glu - glu - phe -
-fMet - asn - ser - leu - his - ser - trp - leu - leu - his -

sd ir hns_tdk- p10 4.7 bits [###] orf 15 codons p10 0.3 bits

p35 4.8 bits p10 2.4 bits p10 3.2 bits p35 6.5 bits p35 3.3 bits

p35-(23)-p10 1292273 Gap 1.4 bits

p35-p10 1292273 total 5.8 bits
sd-(9)-ir 1292281 Gap 2.3 bits
sd-ir 1292281 hns_tdk- total 8.4 bits
p35 3.3 bits
p35-(22)-p10 1292217 Gap 2.3 bits
p35-p10 1292217 total 4.5 bits
p35-p10 1292192 total 10.0

p35-(24)-p10 1292256 Gap 2.4 bits
p35-p10 1292256 total 5.6 bits

p35 4.8 bits p35-(23)-p10 1292246 Gap 1.4 bits
p35-p10 1292246 total 6.5 bits

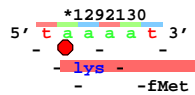
5' *1292210 * *1292200 * *1292190 * *1292180 * *1292170 * *1292160 * *1292150 * *1292140 *
a c a a c t g a a t t t a a g g c t c t a t t a t t a c c t c a c a a a c c a c c c c a a t a t a a g t t t t a g a t t a c t a c a a t g a g c g a a g c a c t 3'
- asn - -fMet - arg - leu - leu - glu - ser - glu - ala - leu -

p10 7.1 bits sd [-----] ... NC_000913.hns

p35 4.7 bits ... ir

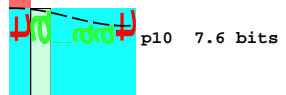
p35-(23)-p10 1292192 Gap 1.4 bits sd-(10)-ir 1292145 Gap 2.7 bits

... -----| p35-p10 1292192 total 10.3 bits



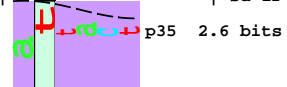
... -----| NC_000913.hns

... | ir hns_tdk-



... --} p35-(23)-p10 1292130 Gap 1.4 bits
... --| p35-p10 1292130 total 8.7 bits

| -----| sd-ir 1292145 hns_tdk- total 6.6 bits



{ -----| ... p35-(23)-p10 1292130 Gap
| -----| ... p35-p10 1292130 total 8.7