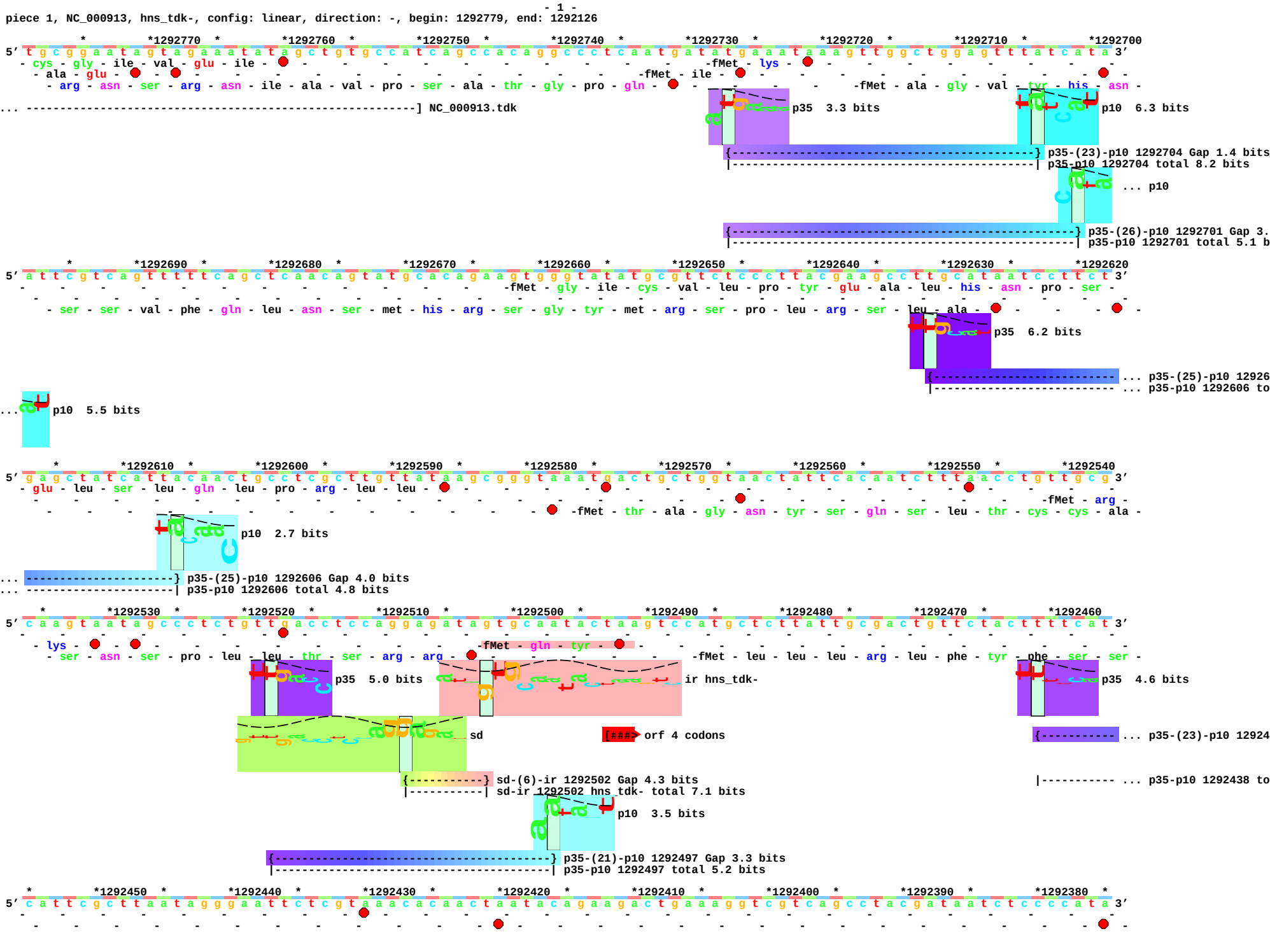
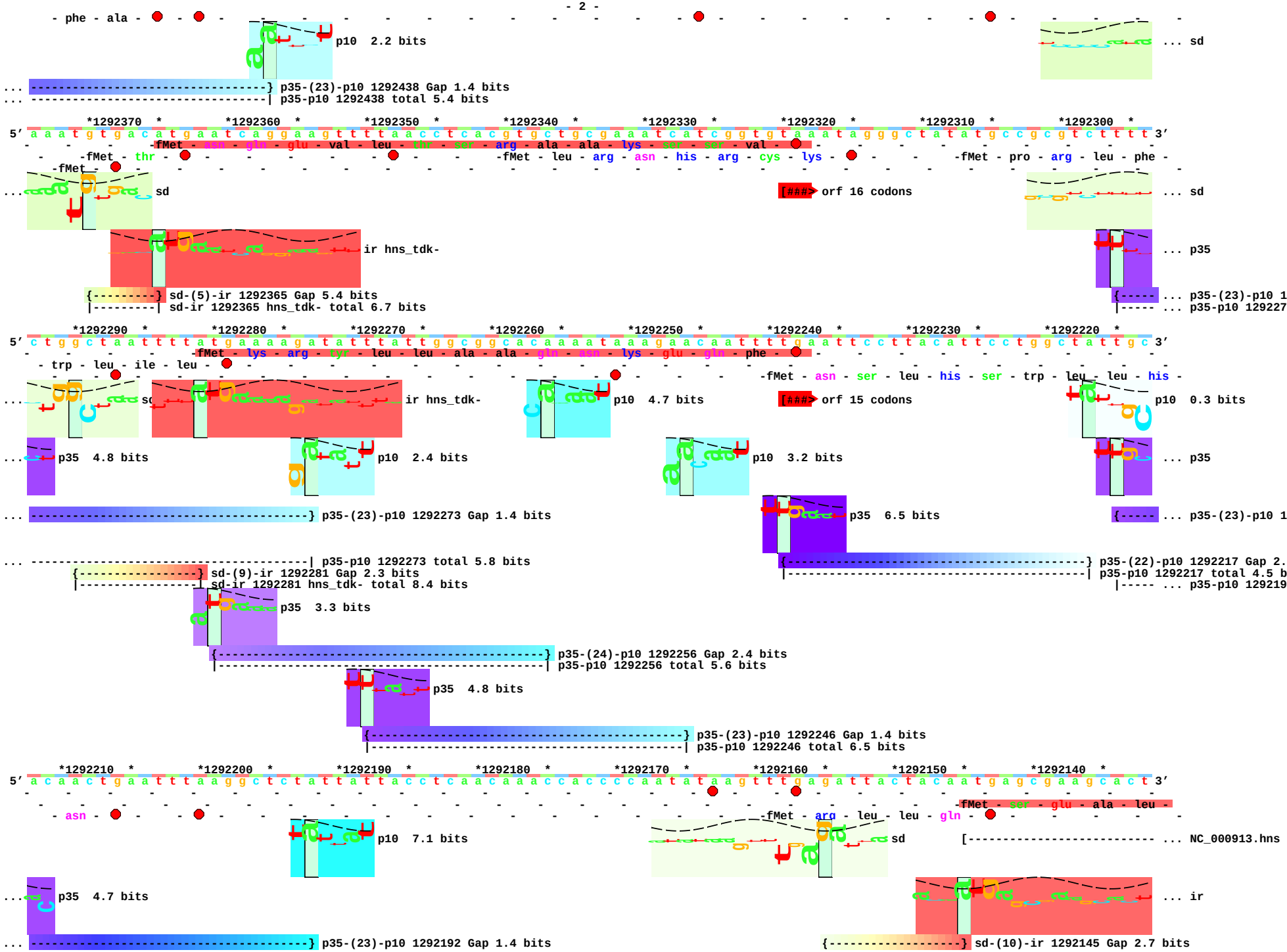
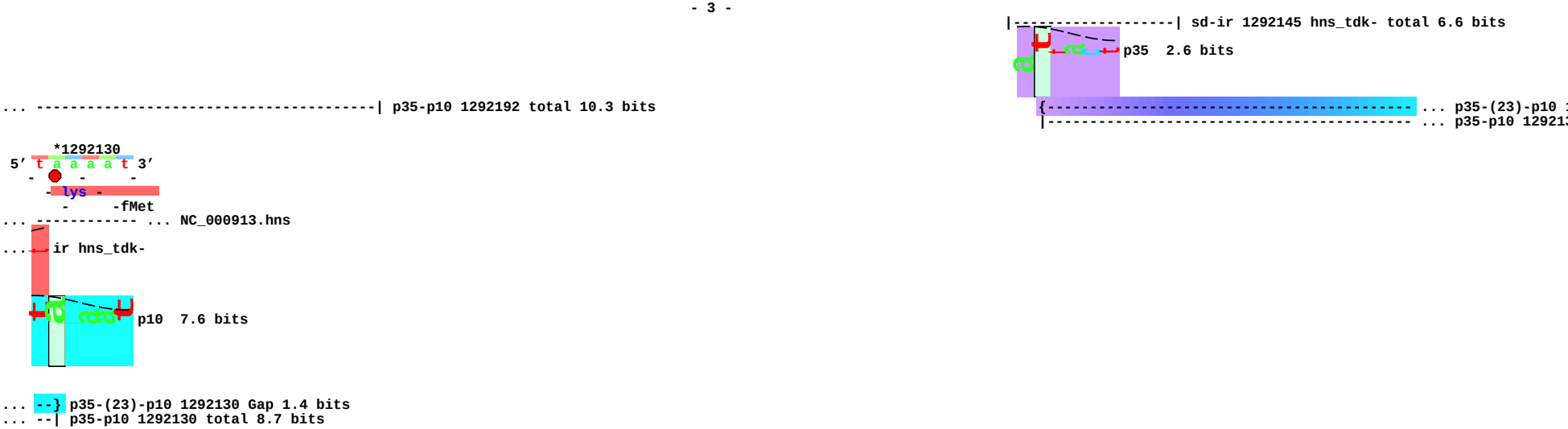

piece 1, NC_000913, hns_tdk-, config: linear, direction: -, begin: 1292779, end: 1292126
*1292770 *1292760 *1292750 *1292740 *1292730 *1292720 *1292710 *1292700
5′ t g c g g a a t a g t a g a a a t a t a g c t g t g c c a t c a g c c a c a g g c c c t c a a t g a t a t g a a a t a a a g t t g g c t g g a g t t t a t c a t a 3′
- cys - gly - ile - val - glu - ile - fMet - lys -
- ala - glu - fMet - ile -
- arg - asn - ser - arg - asn - ile - ala - val - pro - ser - ala - thr - gly - pro - gln - fMet - ala - gly - val - tyr - his - asn -
... ----------] NC_000913.tdk
p35 3.3 bits
p10 6.3 bits
{----------} p35-(23)-p10 1292704 Gap 1.4 bits
|----------| p35-p10 1292704 total 8.2 bits
... p10
{----------} p35-(26)-p10 1292701 Gap 3.
|----------| p35-p10 1292701 total 5.1 b
*1292690 *1292680 *1292670 *1292660 *1292650 *1292640 *1292630 *1292620
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 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 -
p35 6.2 bits
{---------- ... p35-(25)-p10 12926
|---------- ... p35-p10 1292606 to
...
p10 5.5 bits
*1292610 *1292600 *1292590 *1292580 *1292570 *1292560 *1292550 *1292540
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 t t t a a c c t g t t g c g 3′
- glu - leu - ser - leu - gln - leu - pro - arg - leu - leu -
-fMet - arg -
-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
*1292530 *1292520 *1292510 *1292500 *1292490 *1292480 *1292470 *1292460
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 -
- ser - 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
sd
[###> orf 4 codons
{---------- ... p35-(23)-p10 12924
{----------} sd-(6)-ir 1292502 Gap 4.3 bits
|----------| sd-ir 1292502 hns_tdk- total 7.1 bits
|---------- ... p35-p10 1292438 to
p10 3.5 bits
{----------} p35-(21)-p10 1292497 Gap 3.3 bits
|----------| p35-p10 1292497 total 5.2 bits
*1292450 *1292440 *1292430 *1292420 *1292410 *1292400 *1292390 *1292380
5′ c a t t c g c t t a a t a g g g a a t t c t c 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 2.2 bits
... sd
... p35-(23)-p10 1292438 Gap 1.4 bits
... p35-p10 1292438 total 5.4 bits
*1292370 *1292360 *1292350 *1292340 *1292330 *1292320 *1292310 *1292300 *
5' aaatgtgacatgaatcaggaagttttaacctcacgtgctgcgaaatcatcggtgtaaatagggctatatgccgcgtctttt 3'
-fMet - asn - gln - glu - val - leu - thr - ser - arg - ala - ala - lys - ser - ser - val -
-fMet - thr -
-fMet - leu - arg - asn - his - arg - cys - lys -
-fMet - pro - arg - leu - phe -
... sd
[###> orf 16 codons
... sd
ir hns_tdk-
... p35
{---------} sd-(5)-ir 1292365 Gap 5.4 bits
|---------| sd-ir 1292365 hns_tdk- total 6.7 bits
{----- ... p35-(23)-p10 1
|----- ... p35-p10 129227
*1292290 *1292280 *1292270 *1292260 *1292250 *1292240 *1292230 *1292220 *
5' ctggctaatttttatgaaaagatatttattggcggcacaaaaataaagaacaatttgaattcctacattcctggctattgc 3'
-fMet - lys - arg - tyr - leu - leu - ala - ala - gln - asn - lys - glu - gln - phe -
- trp - leu - ile - leu -
-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
... p35-(23)-p10 1292273 Gap 1.4 bits
p35 6.5 bits
{----- ... p35-(23)-p10 1
... 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-(22)-p10 1292217 Gap 2.
|----------| p35-p10 1292217 total 4.5 b
|----- ... p35-p10 129219
p35 3.3 bits
{----------} 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
*1292210 *1292200 *1292190 *1292180 *1292170 *1292160 *1292150 *1292140 *
5' acaactgaatttaaggctctattattacctcaacaaaccacccaaatataagtttgagattactacaatgagcgaagcact 3'
- asn -
-fMet - ser - glu - ala - leu -
-fMet - arg - leu - leu - gln -
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


|------------------| sd-ir 1292145 hns_tdk- total 6.6 bits
p35 2.6 bits
... ----------| p35-p10 1292192 total 10.3 bits
{---------- ... p35-(23)-p10 1
|---------- ... p35-p10 129213
*1292130
5' t a a a a t 3'
lys
-fMet
... ... NC_000913.hns
... ir hns_tdk-
p10 7.6 bits
... --} p35-(23)-p10 1292130 Gap 1.4 bits
... --| p35-p10 1292130 total 8.7 bits