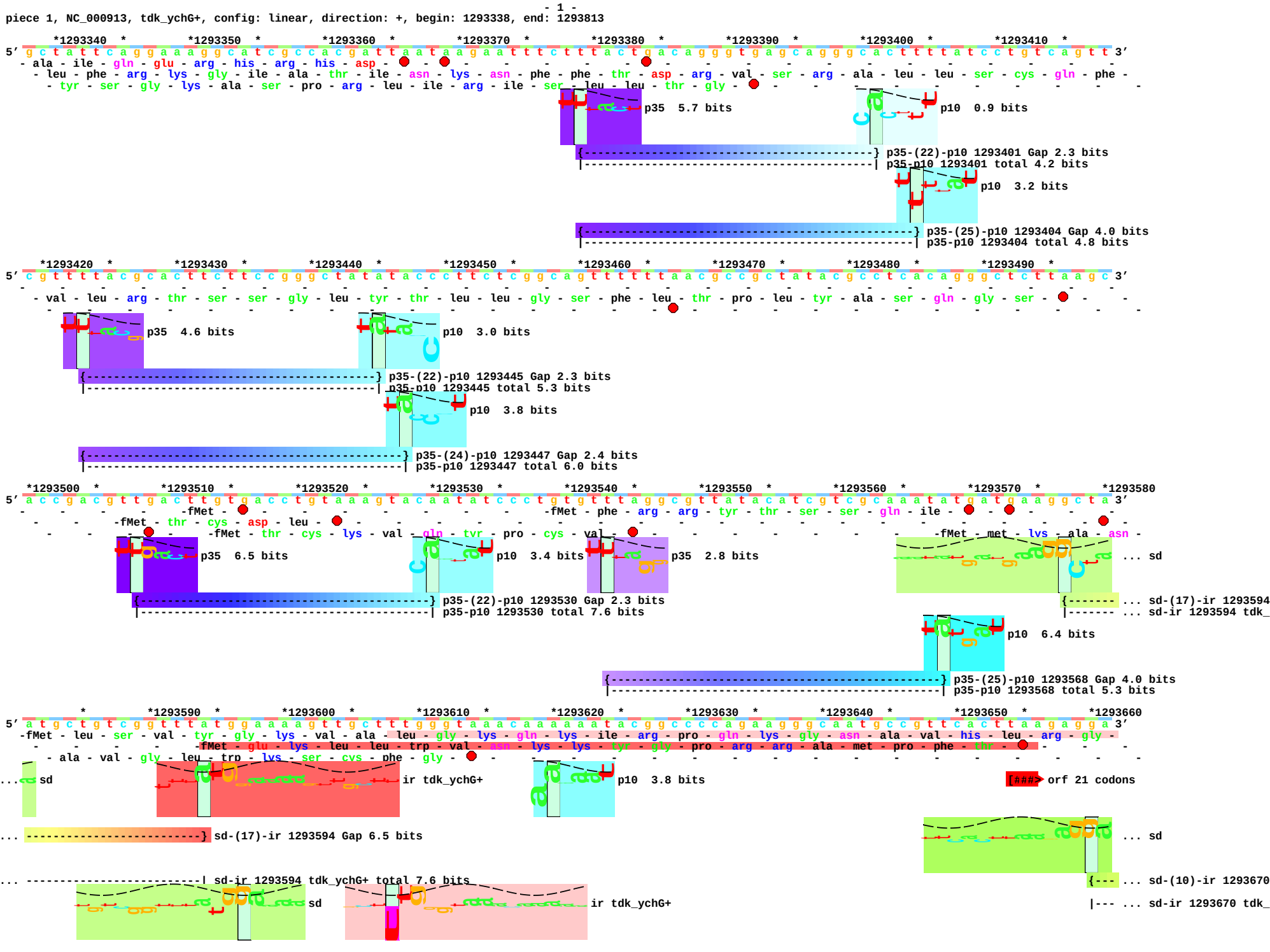
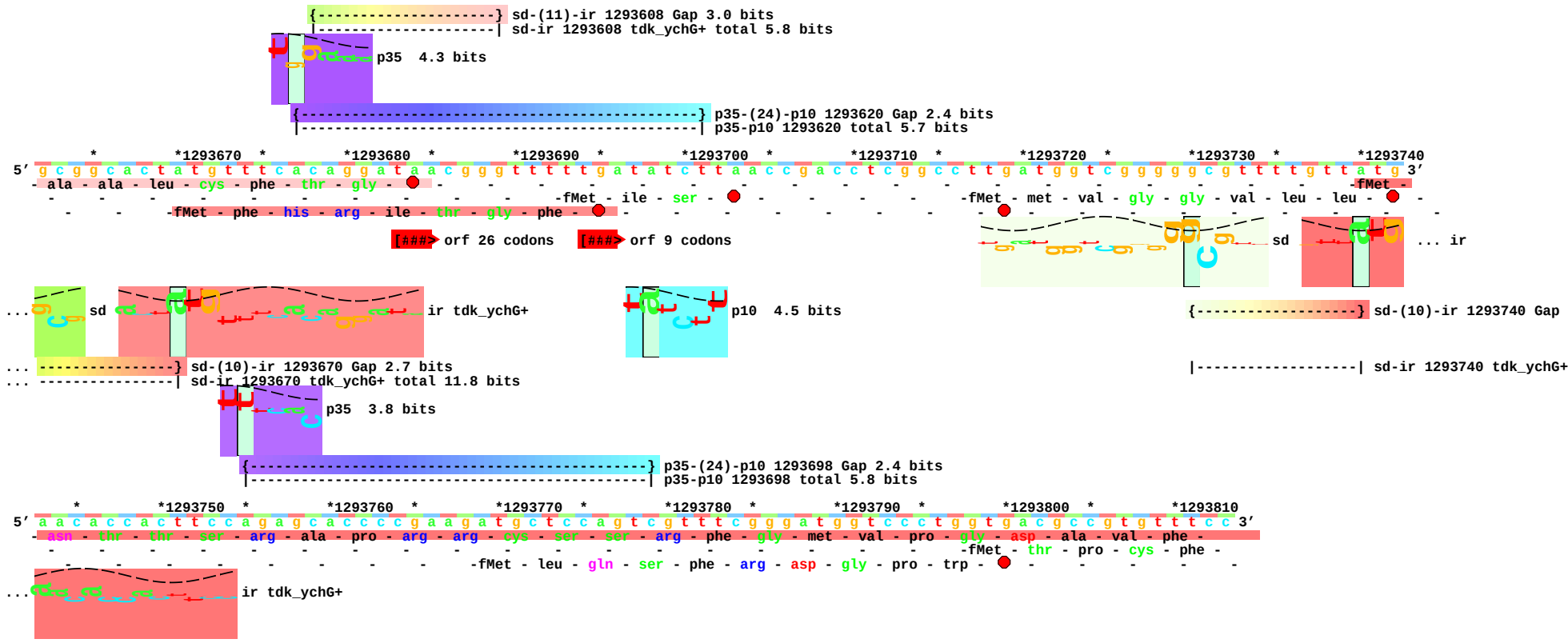

- 1 -
piece 1, NC_000913, tdk_ychG+, config: linear, direction: +, begin: 1293338, end: 1293813
*1293340 *1293350 *1293360 *1293370 *1293380 *1293390 *1293400 *1293410
5′ g c t a t t c a g g a a a g g c a t c g c c a c g a t t a a t a a g a a t t t c t t t a c t g a c a g g g t g a g c a g g g c a c t t t t a t c c t g t c a g t t 3′
- ala - ile - gln - glu - arg - his - arg - his - asp -
- leu - phe - arg - lys - gly - ile - ala - thr - ile - asn - lys - asn - phe - phe - thr - asp - arg - val - ser - arg - ala - leu - leu - ser - cys - gln - phe -
- tyr - ser - gly - lys - ala - ser - pro - arg - leu - ile - arg - ile - ser - leu - leu - thr - gly -
p35 5.7 bits
p10 0.9 bits
{----------} p35-(22)-p10 1293401 Gap 2.3 bits
|----------| p35-p10 1293401 total 4.2 bits
p10 3.2 bits
{----------} p35-(25)-p10 1293404 Gap 4.0 bits
|----------| p35-p10 1293404 total 4.8 bits
*1293420 *1293430 *1293440 *1293450 *1293460 *1293470 *1293480 *1293490
5′ c g t t t t a c g c a c t t c t t c c g g g c t a t a t a c c c t t c t c g g c a g t t t t t t a a c g c c g c t a t a c g c c t c a c a g g g c t c t t a a g c 3′
- val - leu - arg - thr - ser - ser - gly - leu - tyr - thr - leu - leu - gly - ser - phe - leu - thr - pro - leu - tyr - ala - ser - gln - gly - ser -
p35 4.6 bits
p10 3.0 bits
{----------} p35-(22)-p10 1293445 Gap 2.3 bits
|----------| p35-p10 1293445 total 5.3 bits
p10 3.8 bits
{----------} p35-(24)-p10 1293447 Gap 2.4 bits
|----------| p35-p10 1293447 total 6.0 bits
*1293500 *1293510 *1293520 *1293530 *1293540 *1293550 *1293560 *1293570 *1293580
5′ a c c g a c g t t g a c t t g t g a c c t g t a a a g t a c a a t a t c c c t g t g t t t a g g c g t t a t a c a t c g t c g c a a a t a t g a t g a a g g c t a 3′
-fMet - -fMet - phe - arg - arg - tyr - thr - ser - ser - gln - ile -
-fMet - thr - cys - asp - leu -
-fMet - thr - cys - lys - val - gln - tyr - pro - cys - val -
-fMet - met - lys - ala - asn -
p35 6.5 bits
p10 3.4 bits
p35 2.8 bits
... sd
{----------} p35-(22)-p10 1293530 Gap 2.3 bits
|----------| p35-p10 1293530 total 7.6 bits
{------- ... sd-(17)-ir 1293594
|------- ... sd-ir 1293594 tdk_
p10 6.4 bits
{----------} p35-(25)-p10 1293568 Gap 4.0 bits
|----------| p35-p10 1293568 total 5.3 bits
* *1293590 *1293600 *1293610 *1293620 *1293630 *1293640 *1293650 *1293660
5′ a t g c t g t c g g t t t a t g g a a a a g t t g c t t t g g g t a a a c a a a a a a t a c g g c c c c a g a a g g g c a a t g c c g t t c a c t t a a g a g g a 3′
-fMet - leu - ser - val - tyr - gly - lys - val - ala - leu - gly - lys - gln - lys - ile - arg - pro - gln - lys - gly - asn - ala - val - his - leu - arg - gly -
-fMet - glu - lys - leu - leu - trp - val - asn - lys - lys - tyr - gly - pro - arg - arg - ala - met - pro - phe - thr -
- ala - val - gly - leu - trp - lys - ser - cys - phe - gly -
...sd
ir tdk_ychG+
p10 3.8 bits
[###> orf 21 codons
... ----------} sd-(17)-ir 1293594 Gap 6.5 bits
... sd
... ----------| sd-ir 1293594 tdk_ychG+ total 7.6 bits
{--- ... sd-(10)-ir 1293670
sd
ir tdk_ychG+
|--- ... sd-ir 1293670 tdk_


{----------} sd-(11)-ir 1293608 Gap 3.0 bits
|----------| sd-ir 1293608 tdk_ychG+ total 5.8 bits
p35 4.3 bits
{----------} p35-(24)-p10 1293620 Gap 2.4 bits
|----------| p35-p10 1293620 total 5.7 bits
*1293670 *1293680 *1293690 *1293700 *1293710 *1293720 *1293730 *1293740
5′ g c g g c a c t a t g t t t c a c a g g a t a a c g g g t t t t t g a t a t c t t a a c c g a c c t c g g c c t t g a t g g t c g g g g g c g t t t t t g t t a t g 3′
- ala - ala - leu - cys - phe - thr - gly - -fMet - ile - ser - -fMet - met - val - gly - gly - val - leu - leu -
-fMet - phe - his - arg - ile - thr - gly - phe -
[###> orf 26 codons [###> orf 9 codons
sd ... ir
... sd ir tdk_ychG+
p10 4.5 bits
{----------} sd-(10)-ir 1293740 Gap
... ----------} sd-(10)-ir 1293670 Gap 2.7 bits
... ----------| sd-ir 1293670 tdk_ychG+ total 11.8 bits
|----------| sd-ir 1293740 tdk_ychG+
p35 3.8 bits
{----------} p35-(24)-p10 1293698 Gap 2.4 bits
|----------| p35-p10 1293698 total 5.8 bits
*1293750 *1293760 *1293770 *1293780 *1293790 *1293800 *1293810
5′ a a c a c c a c t t c c a g a g c a c c c c g a a g a t g c t c c a g t c g t t t c g g g a t g g t c c c t g g t g a c g c c g t g t t t c c 3′
- asn - thr - thr - ser - arg - ala - pro - arg - arg - cys - ser - ser - arg - phe - gly - met - val - pro - gly - asp - ala - val - phe -
-fMet - thr - pro - cys - phe -
-fMet - leu - gln - ser - phe - arg - asp - gly - pro - trp -
... ir tdk_ychG+