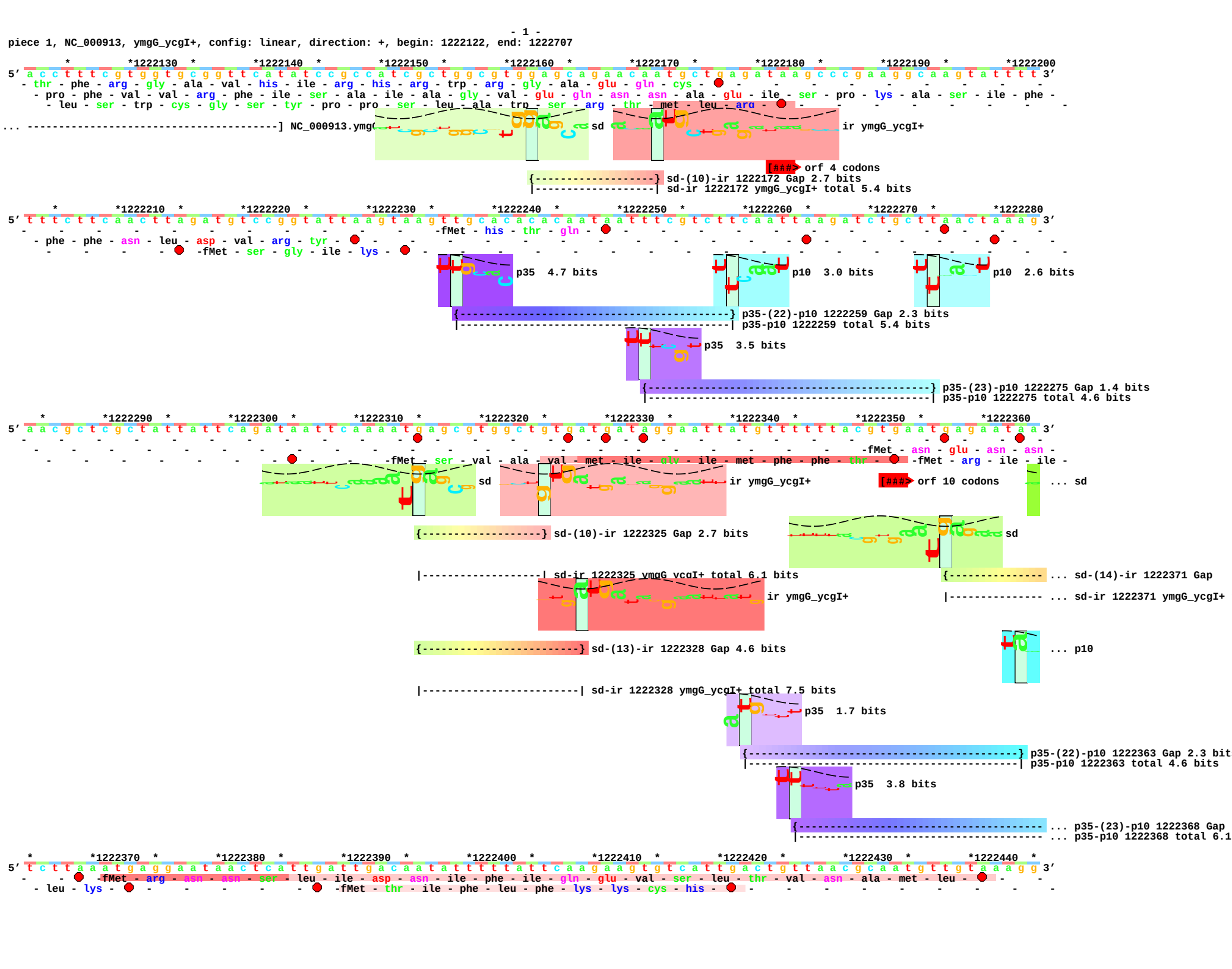
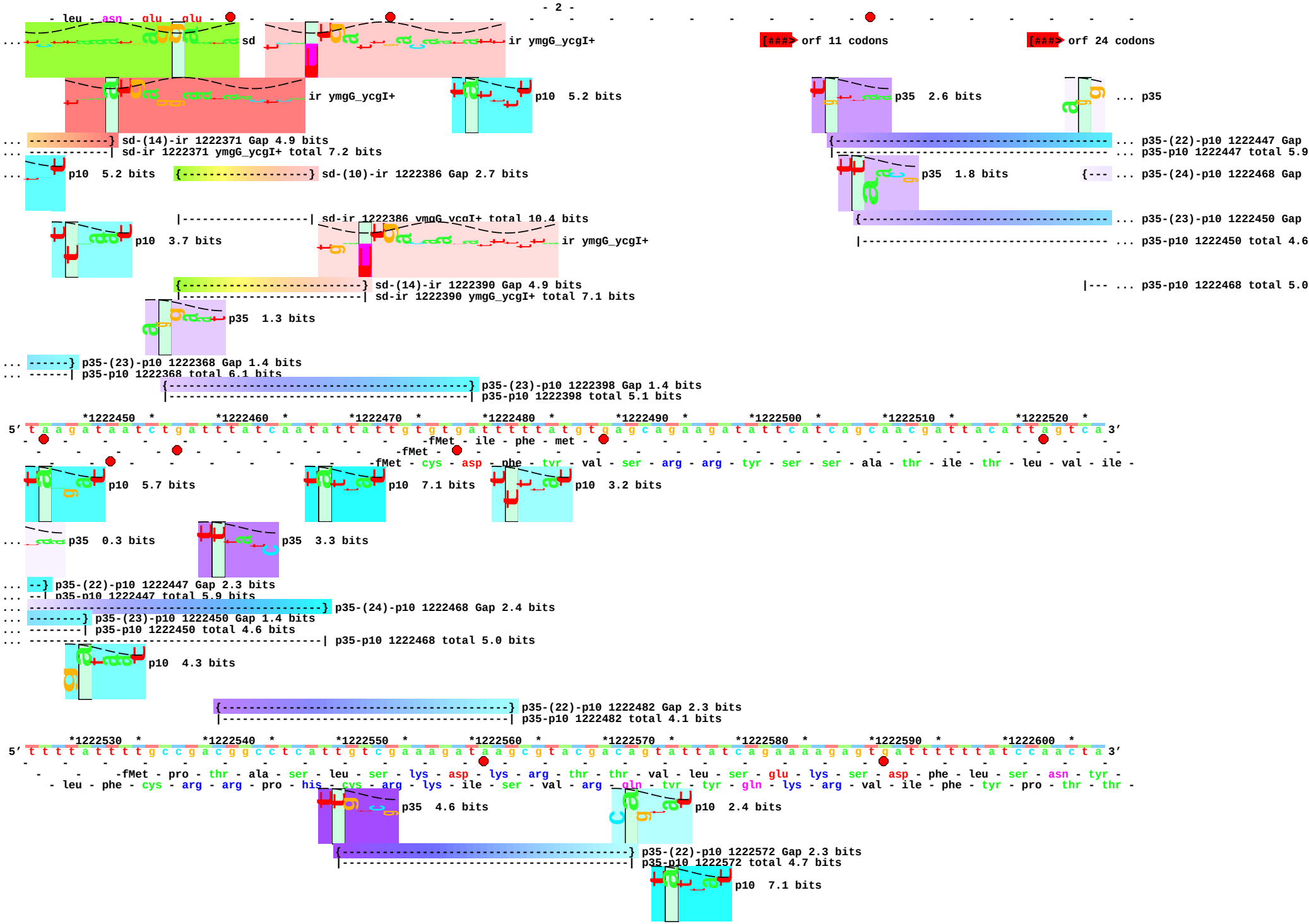
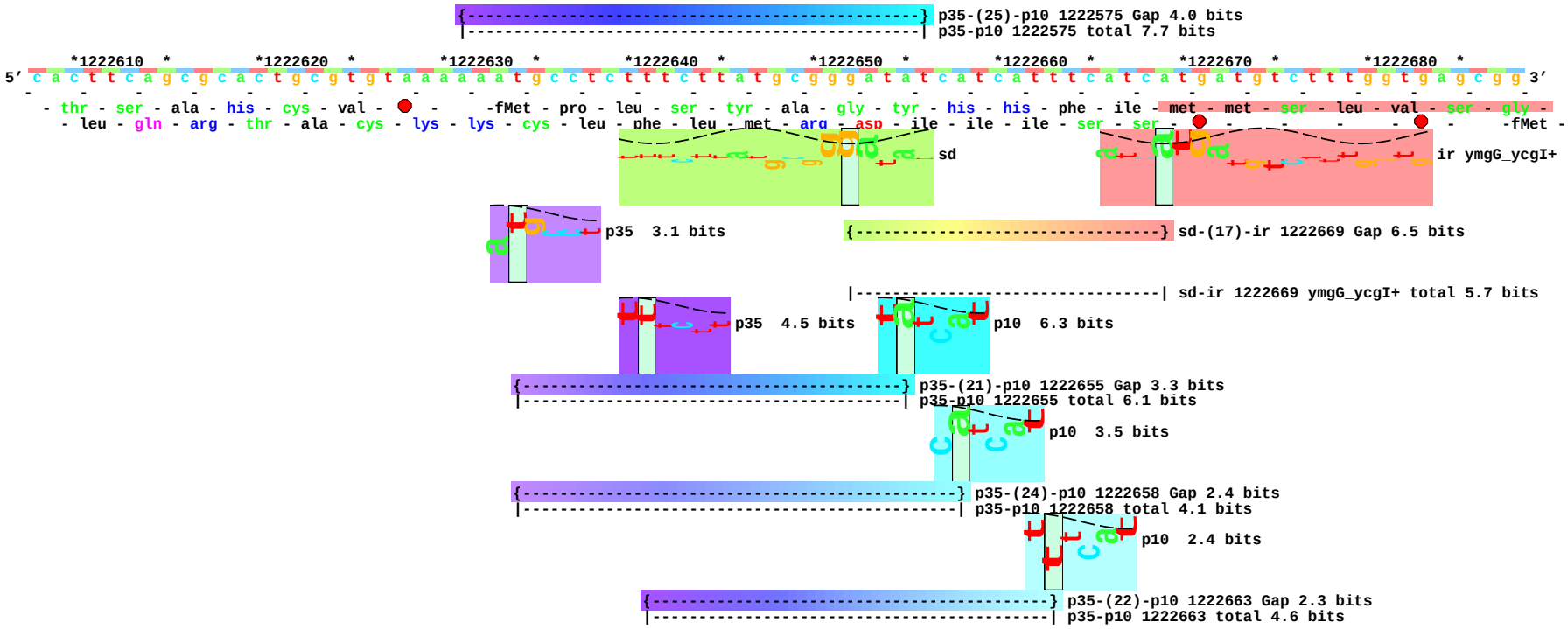

- 1 -
piece 1, NC_000913, ymgG_ycgI+, config: linear, direction: +, begin: 1222122, end: 1222707
*1222130 *1222140 *1222150 *1222160 *1222170 *1222180 *1222190 *1222200
5' a c c t t t c g t g g t g c g g t t c a t a t c c g c c a t c g c t g g c g t g g a g c a g a a c a a t g c t g a g a t a a g c c c g a a g g c a a g t a t t t t 3'
- thr - phe - arg - gly - ala - val - his - ile - arg - his - arg - trp - arg - gly - ala - glu - gln - cys -
- pro - phe - val - val - arg - phe - ile - ser - ala - ile - ala - gly - val - glu - gln - asn - asn - ala - glu - ile - ser - pro - lys - ala - ser - ile - phe -
- leu - ser - trp - cys - gly - ser - tyr - pro - pro - ser - leu - ala - trp - ser - arg - thr - met - leu - arg -
... ----------] NC_000913.ymg
sd
ir ymgG_ycgI+
[###> orf 4 codons
{----------} sd-(10)-ir 1222172 Gap 2.7 bits
|----------| sd-ir 1222172 ymgG_ycgI+ total 5.4 bits
*1222210 *1222220 *1222230 *1222240 *1222250 *1222260 *1222270 *1222280
5' t t t c t t c a a c t t a g a t g t c c g g t a t t a a g t a a g t t g c a c a c a c a a t a a t t t c g t c t t c a a t t a a g a t c t g c t t a a c t a a a g 3'
-fMet - his - thr - gln -
- phe - phe - asn - leu - asp - val - arg - tyr -
-fMet - ser - gly - ile - lys -
p35 4.7 bits
p10 3.0 bits
p10 2.6 bits
{----------} p35-(22)-p10 1222259 Gap 2.3 bits
|----------| p35-p10 1222259 total 5.4 bits
p35 3.5 bits
{----------} p35-(23)-p10 1222275 Gap 1.4 bits
|----------| p35-p10 1222275 total 4.6 bits
*1222290 *1222300 *1222310 *1222320 *1222330 *1222340 *1222350 *1222360
5' a a c g c t c g c t a t t a t t c a g a t a a t t c a a a a t g a g c g t g g c t g t g a t g a t a g g a a t t a t g t t t t t t a c g t g a a t g a g a a t a a 3'
-fMet - asn - glu - asn - asn -
-fMet - ser - val - ala - val - met - ile - glv - ile - met - phe - phe - thr -
-fMet - arg - ile - ile -
sd
ir ymgG_ycgI+
[###> orf 10 codons
... sd
{----------} sd-(10)-ir 1222325 Gap 2.7 bits
sd
|----------| sd-ir 1222325 ymgG_ycgI+ total 6.1 bits
{---------- ... sd-(14)-ir 1222371 Gap
ir ymgG_ycgI+
|---------- ... sd-ir 1222371 ymgG_ycgI+
{----------} sd-(13)-ir 1222328 Gap 4.6 bits
... p10
|----------| sd-ir 1222328 ymgG_ycgI+ total 7.5 bits
p35 1.7 bits
{---------- p35-(22)-p10 1222363 Gap 2.3 bit
|---------- p35-p10 1222363 total 4.6 bits
p35 3.8 bits
{---------- ... p35-(23)-p10 1222368 Gap
|---------- ... p35-p10 1222368 total 6.1
*1222370 *1222380 *1222390 *1222400 *1222410 *1222420 *1222430 *1222440
5' t c t t a a a t g a g g a a t a a c t c a t t g a t t g a c a a t a t t t t t a t t c a a g a a g t g t c a t t g a c t g t t a a c g c a a t g t t g t a a a g g 3'
-fMet - arg - asn - asn - ser - leu - ile - asp - asn - ile - phe - ile - gln - glu - val - ser - leu - thr - val - asn - ala - met - leu -
- leu - lys -
-fMet - thr - ile - phe - leu - phe - lys - lys - cys - his -


- leu - asn - glu - glu -
sd
ir ymgG_ycgI+
[###> orf 11 codons
[###> orf 24 codons
ir ymgG_ycgI+
p10 5.2 bits
p35 2.6 bits
... p35
... sd-(14)-ir 1222371 Gap 4.9 bits
... sd-ir 1222371 ymgG_ycgI+ total 7.2 bits
... p35-(22)-p10 1222447 Gap
... p35-p10 1222447 total 5.9
p10 5.2 bits
sd-(10)-ir 1222386 Gap 2.7 bits
p35 1.8 bits
... p35-(24)-p10 1222468 Gap
sd-ir 1222386 ymgG_ycgI+ total 10.4 bits
p10 3.7 bits
ir ymgG_ycgI+
... p35-(23)-p10 1222450 Gap
... p35-p10 1222450 total 4.6
sd-(14)-ir 1222390 Gap 4.9 bits
sd-ir 1222390 ymgG_ycgI+ total 7.1 bits
... p35-p10 1222468 total 5.0
p35 1.3 bits
... p35-(23)-p10 1222368 Gap 1.4 bits
... p35-p10 1222368 total 6.1 bits
p35-(23)-p10 1222398 Gap 1.4 bits
p35-p10 1222398 total 5.1 bits
*1222450
*1222460
*1222470
*1222480
*1222490
*1222500
*1222510
*1222520
5’ t a a g a t a a t c t g a t t t a t c a a t a t t a t t g t g t g a t t t t t a t g t g a g c a g a a g a t a t t c a t c a g c a a c g a t t a c a t t a g t c a 3’
-fMet - ile - phe - met -
-fMet - cys - asp - phe - tyr - val - ser - arg - arg - tyr - ser - ser - ala - thr - ile - thr - leu - val - ile -
p10 5.7 bits
p10 7.1 bits
p10 3.2 bits
... p35 0.3 bits
p35 3.3 bits
... p35-(22)-p10 1222447 Gap 2.3 bits
... p35-p10 1222447 total 5.9 bits
... p35-(24)-p10 1222468 Gap 2.4 bits
... p35-(23)-p10 1222450 Gap 1.4 bits
... p35-p10 1222450 total 4.6 bits
... p35-p10 1222468 total 5.0 bits
p10 4.3 bits
p35-(22)-p10 1222482 Gap 2.3 bits
p35-p10 1222482 total 4.1 bits
*1222530
*1222540
*1222550
*1222560
*1222570
*1222580
*1222590
*1222600
5’ t t t t a t t t t g c c g a c g g c c t c a t t g t c g a a a g a t a a g c g t a c g a c a g t a t t a t c a g a a a a g a g t g a t t t t t t a t c c a a c t a 3’
-fMet - pro - thr - ala - ser - leu - ser - lys - asp - lys - arg - thr - thr - val - leu - ser - glu - lys - ser - asp - phe - leu - ser - asn - tyr -
- leu - phe - cys - arg - arg - pro - his - cys - arg - lys - ile - ser - val - arg - gln - tyr - tyr - gln - lys - arg - val - ile - phe - tyr - pro - thr - thr -
p35 4.6 bits
p10 2.4 bits
p35-(22)-p10 1222572 Gap 2.3 bits
p35-p10 1222572 total 4.7 bits
p10 7.1 bits


{----------} p35-(25)-p10 1222575 Gap 4.0 bits
|----------| p35-p10 1222575 total 7.7 bits
*1222610 * *1222620 * *1222630 * *1222640 * *1222650 * *1222660 * *1222670 * *1222680 *
5' c a c t t c a g c g c a c t g c g t g t a a a a a a t g c c t c t t t c t t a t g c g g g a t a t c a t c a t t t c a t c a t g a t g t c t t t g g t g a g c g g 3'
- thr - ser - ala - his - cys - val - -fMet - pro - leu - ser - tyr - ala - gly - tyr - his - his - phe - ile - met - met - ser - leu - val - ser - gly -
- leu - gln - arg - thr - ala - cys - lys - lys - cys - leu - phe - leu - met - arg - asp - ile - ile - ile - ser - ser - -fMet -
sd
ir ymgG_ycgI+
p35 3.1 bits
{----------} sd-(17)-ir 1222669 Gap 6.5 bits
|----------| sd-ir 1222669 ymgG_ycgI+ total 5.7 bits
p35 4.5 bits
p10 6.3 bits
{----------} p35-(21)-p10 1222655 Gap 3.3 bits
|----------| p35-p10 1222655 total 6.1 bits
p10 3.5 bits
{----------} p35-(24)-p10 1222658 Gap 2.4 bits
|----------| p35-p10 1222658 total 4.1 bits
p10 2.4 bits
{----------} p35-(22)-p10 1222663 Gap 2.3 bits
|----------| p35-p10 1222663 total 4.6 bits
*1222690 * *1222700 *
5' t g a a c a c a a t a c a c c t g c g 3'
- glu - his - asn - thr - pro - ala -
- asn - thr - ile - his - leu -