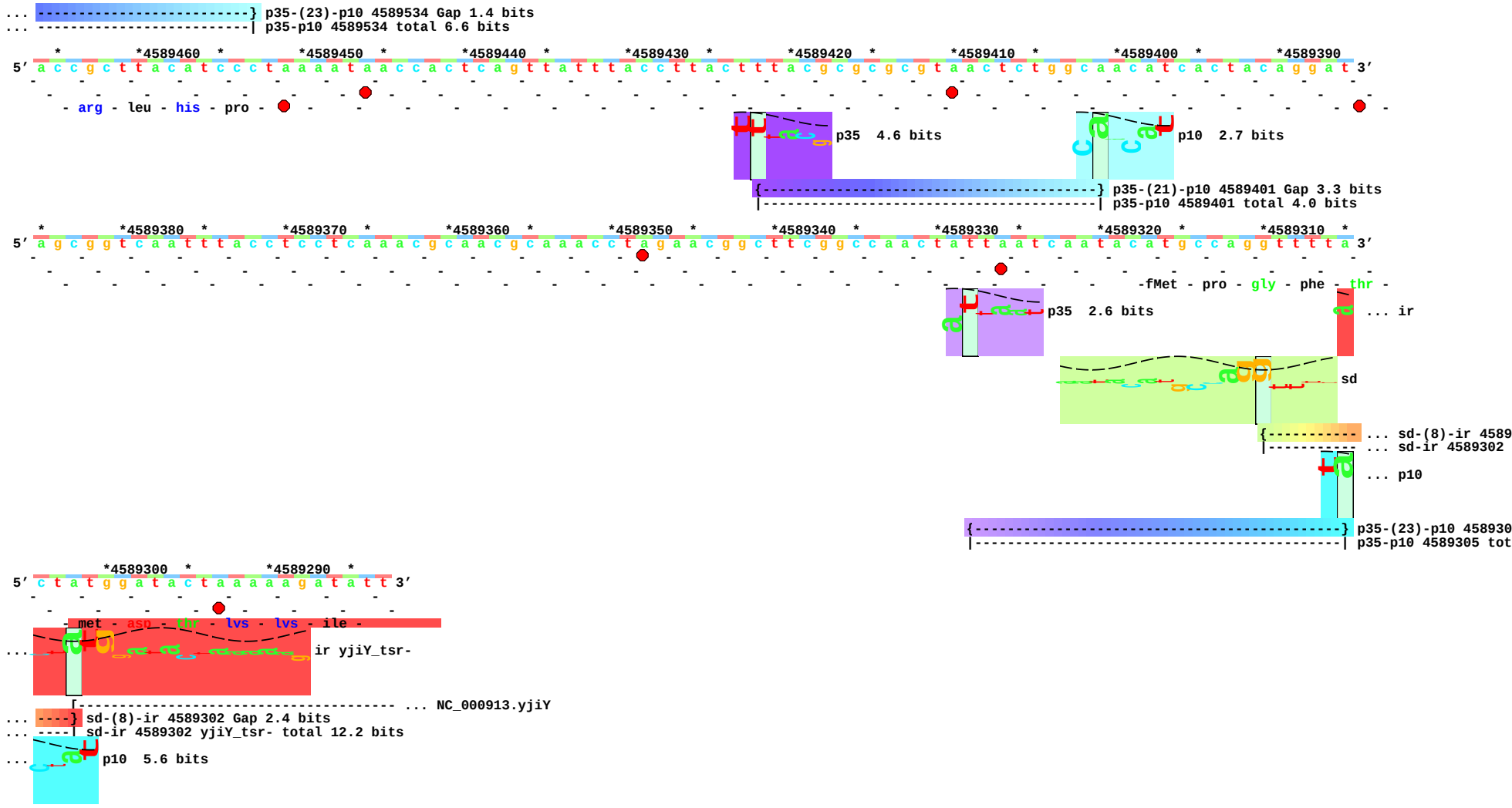
piece 1, NC_000913, yjiY_tsr-, config: linear, direction: -, begin: 4589709, end: 4589283
*4589700 *4589690 *4589680 *4589670 *4589660 *4589650 *4589640 *4589630
5′ g c t g g t c a c a a t t t t g a t a c g t t t t a a c a t g g t t t c t c t t t c c t g t g g a c c g a t g c a a g a t t t t c g g c c t g g a a a g g a a a a 3′
- ala - gly - his - asn - phe - asp - thr - phe -
- leu - val - thr - ile - leu - ile - arg - phe - asn - met - val - ser - leu - ser - cys - gly - pro - met - gln - asp - phe - arg - pro - gly - lys - glu - lys -
- trp - ser - gln - phe -
-fMet - asp - arg - cys - lys - ile - phe - gly - leu - glu - arg - lys - asn -
... ----------] NC_000913.tsr
sd
p35 3.4 bits
p10 5.6 bits
p10 2.8 bits
{--------- ... sd-(10)-ir 4589623
{----------} p35-(22)-p10 4589684 Gap 2.3 bits
|---------- ... sd-ir 4589623 yjiY
|----------| p35-p10 4589684 total 6.6 bits
p35 2.9 bits
{----------} p35-(23)-p10 4589653 Gap 1.4 bits
|----------| p35-p10 4589653 total 4.3 bits
*4589620 *4589610 *4589600 *4589590 *4589580 *4589570 *4589560 *4589550
5′ a c t t t a t g a a t a t c c c g c g g a g a t t a c g c c g a g t g a a t t t t a t t c a c a c t c t g a a t t t a a a a a g c c a t t a t t t a c a t a a a t 3′
- leu - tyr - glu - tyr - pro - ala - glu - ile - thr - pro - ser - glu - phe - tyr - ser - his - ser - glu - phe - lys - lys - pro - leu - phe - thr -
- phe - met - asn - ile - pro - arg - arg - leu - arg - arg - val - asn - phe - ile - his - thr - leu - asn - leu - lys - ser - his - tyr - leu - his - lys - leu -
ir yjiY_tsr-
p35 5.6 bits
... p10
... ----------} sd-(10)-ir 4589623 Gap 2.7 bits
... ----------| sd-ir 4589623 yjiY_tsr- total 9.6 bits
{----------} p35-(21)-p10 4589551 Gap 3.3
|----------| p35-p10 4589551 total 8.0 bit
... p10
{----------} p35-(23)-p10 4589549 Gap
|----------| p35-p10 4589549 total 7.4
p35 5.5 bits
{---------- ... p35-(23)-p10 45895
|---------- ... p35-p10 4589534 to
*4589540 *4589530 *4589520 *4589510 *4589500 *4589490 *4589480 *4589470
5′ t a t t c a c a a t a t a a a t a t g t g a t a t g a a t c a c a t a t t t a t c g t c a c t t a a a c g a c g c c t t t g c c g c t c a a c c g c a a a a c t g 3′
-fMet - ile -
-fMet -
- phe - thr - ile -
-fMet - asn - his - ile - phe - ile - val - thr -
-fMet - pro - leu - asn - arg - lys - thr - asp -
... p10 5.7 bits
[###> orf 30 codons
[###> orf 9 codons
ir yjiY_tsr-
sd
... p10 3.3 bits
{---------} sd-(5)-ir 4589524 Gap 5.4 bits
|---------| sd-ir 4589524 yjiY_tsr- total 6.9 bits
p10 2.5 bits


... p35-(23)-p10 4589534 Gap 1.4 bits
... p35-p10 4589534 total 6.6 bits
*4589460 *4589450 *4589440 *4589430 *4589420 *4589410 *4589400 *4589390
5′ a c c g c t t a c a t c c c t a a a a t a a c c a c t c a g t t a t t t a c c t t a c t t t a c g c g c g c g t a a c t c t g g c a a c a t c a c t a c a g g a t 3′
- arg - leu - his - pro -
p35 4.6 bits
p10 2.7 bits
p35-(21)-p10 4589401 Gap 3.3 bits
p35-p10 4589401 total 4.0 bits
*4589380 *4589370 *4589360 *4589350 *4589340 *4589330 *4589320 *4589310 *
5′ a g c g g t c a a t t t a c c t c c t c a a a c g c a a c g c a a a c c t a g a a c g g c t t c g g c c a a c t a t t a a t c a a t a c a t g c c a g g t t t t a 3′
-fMet - pro - gly - phe - thr -
p35 2.6 bits
... ir
sd
... sd-(8)-ir 4589
... sd-ir 4589302
... p10
p35-(23)-p10 458930
p35-p10 4589305 tot
*4589300 *4589290 *
5′ c t a t g g a t a c t a a a a a g a t a t t 3′
- met - asp - thr - lys - lys - ile -
... ir yjiY_tsr-
... NC_000913.yjiY
... sd-(8)-ir 4589302 Gap 2.4 bits
... sd-ir 4589302 yjiY_tsr- total 12.2 bits
... p10 5.6 bits