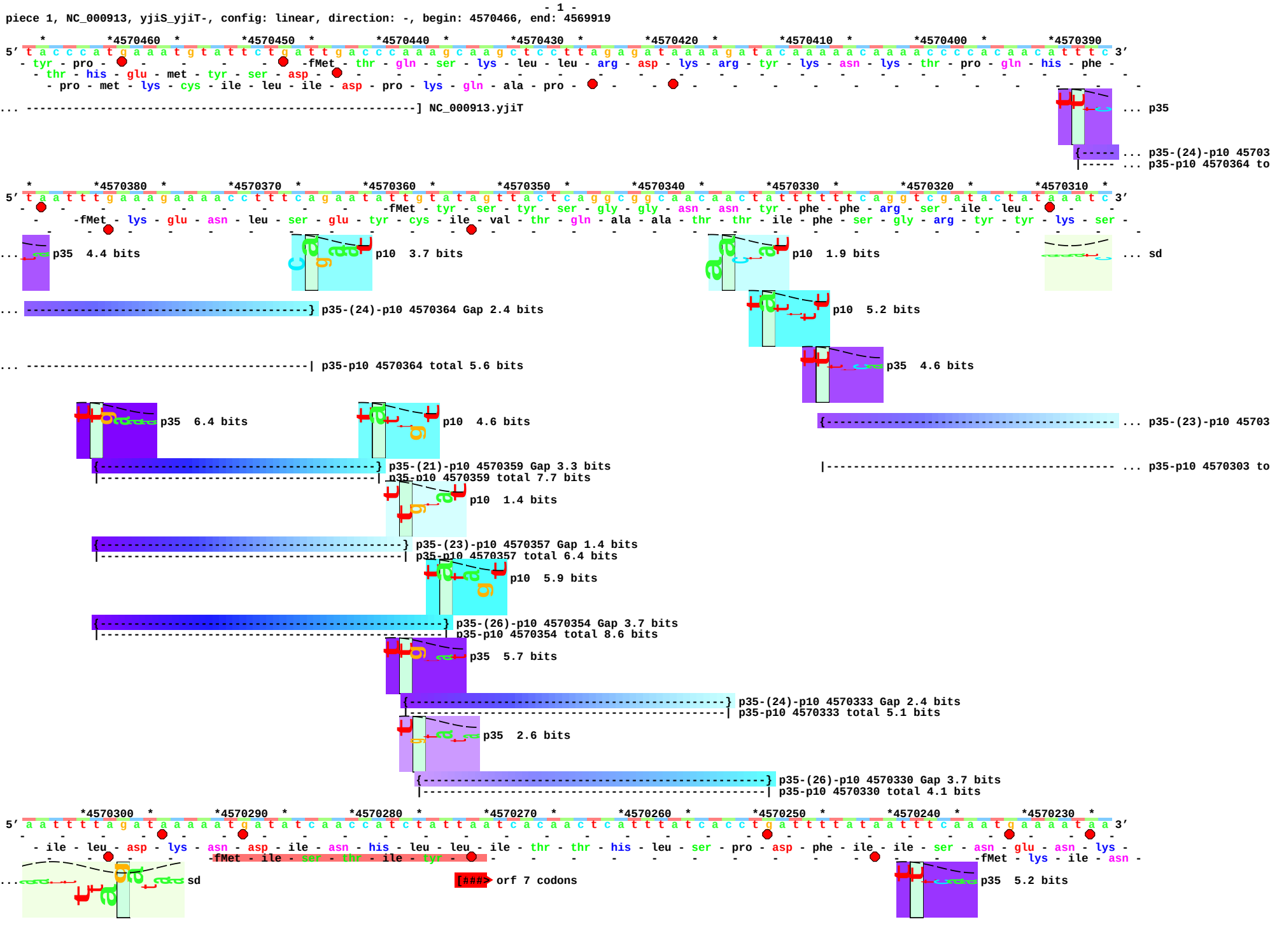
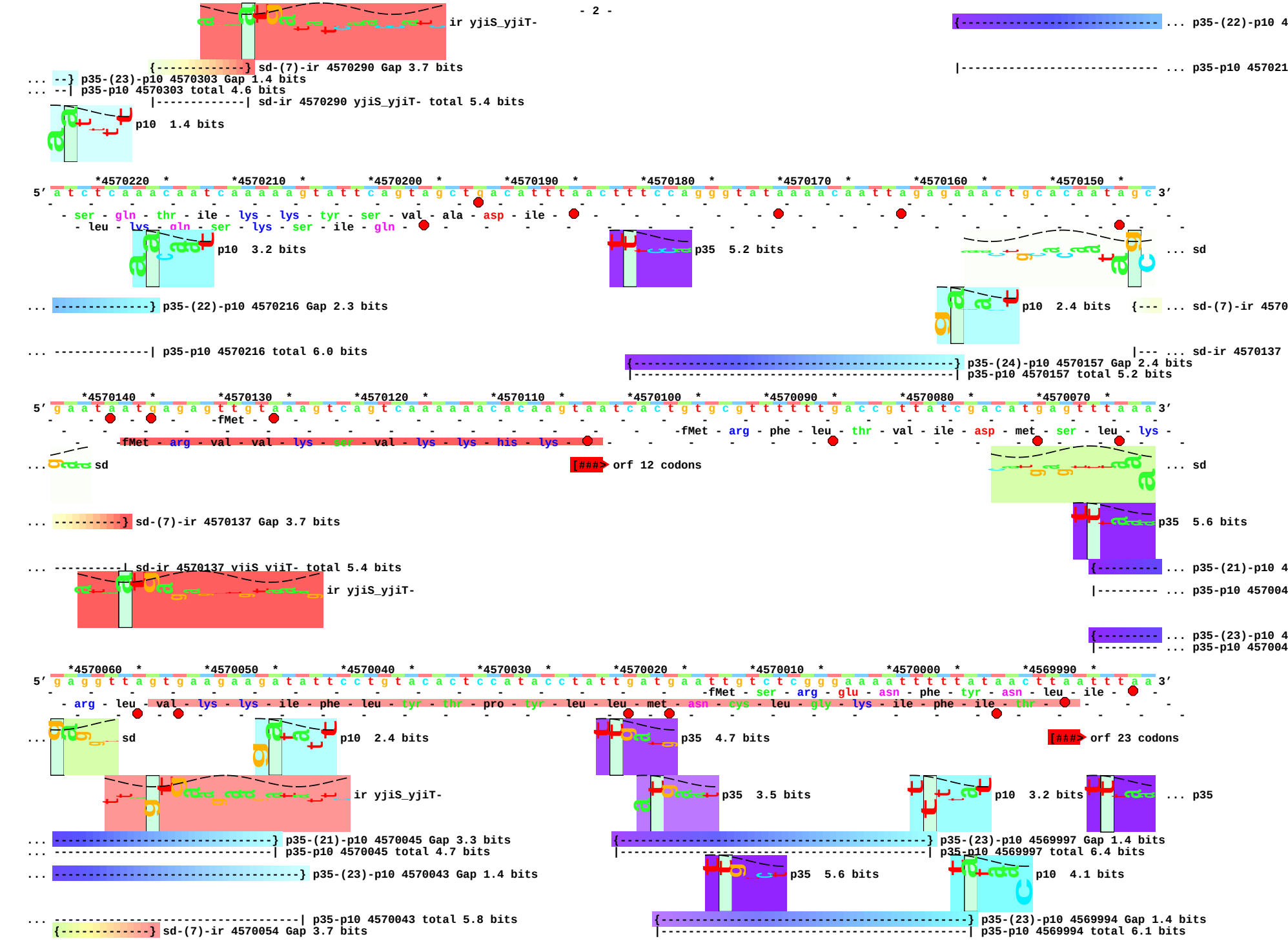
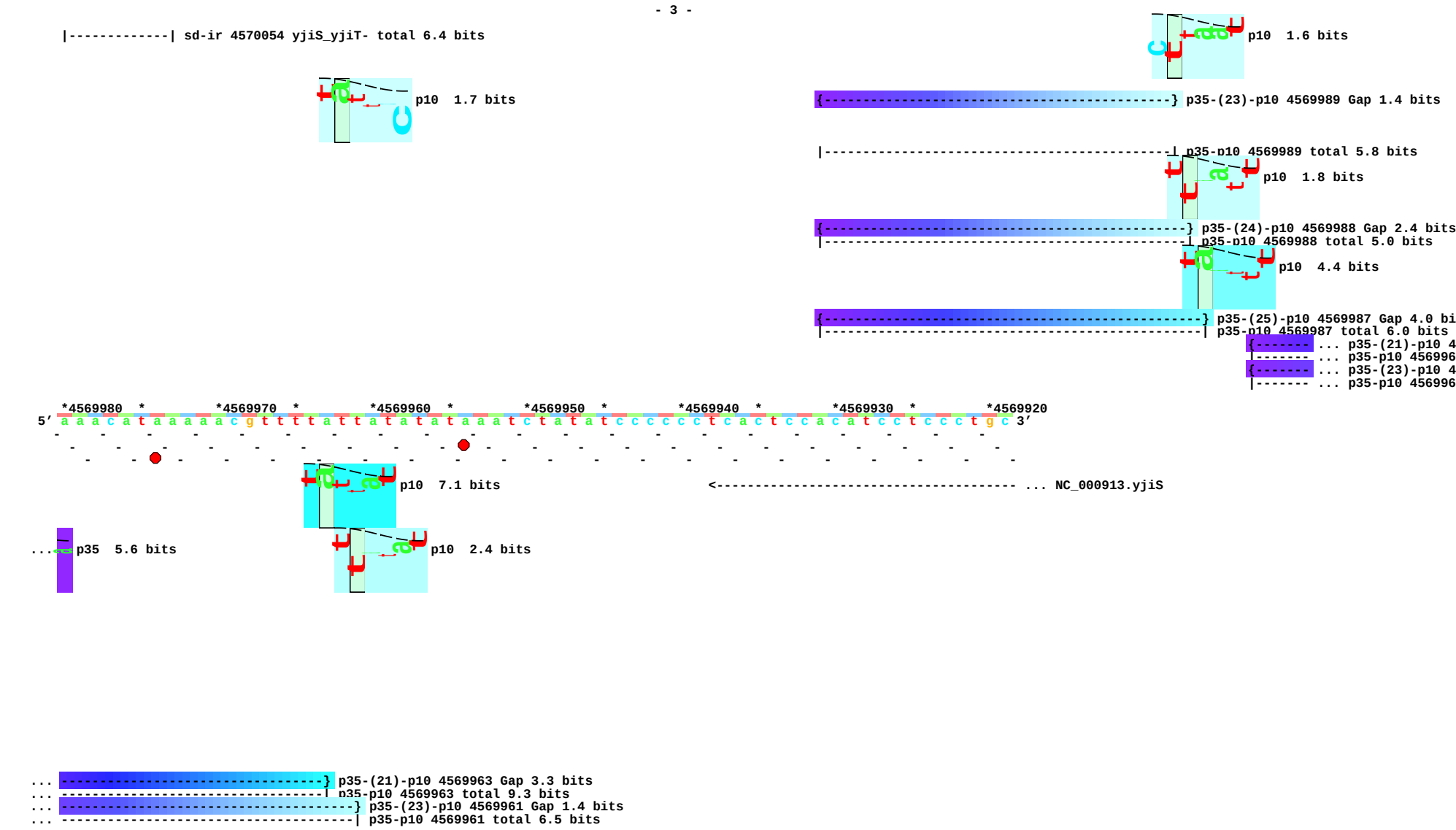

piece 1, NC_000913, yjiS_yjiT-, config: linear, direction: -, begin: 4570466, end: 4569919
*4570460 *4570450 *4570440 *4570430 *4570420 *4570410 *4570400 *4570390
5′ t a c c c a t g a a a t g t a t t c t g a t t g a c c c a a a g c a a g c t c c t t a g a g a t a a a a g a t a c a a a a a c a a a a c c c c a c a a c a t t t c 3′
- tyr - pro - -fMet - thr - gln - ser - lys - leu - leu - arg - asp - lys - arg - tyr - lys - asn - lys - thr - pro - gln - his - phe -
- thr - his - glu - met - tyr - ser - asp -
- pro - met - lys - cys - ile - leu - ile - asp - pro - lys - gln - ala - pro -
... ----------] NC_000913.yjiT
... p35
{----- ... p35-(24)-p10 45703
|----- ... p35-p10 4570364 to
*4570380 *4570370 *4570360 *4570350 *4570340 *4570330 *4570320 *4570310
5′ t a a t t t g a a a g a a a a a c c t t t c a g a a t a t t g t a t a g t t a c t c a g g c g g c a a c a a c t a t t t t t t t c a g g t c g a t a c t a t a a a t c 3′
-fMet - tyr - ser - tyr - ser - gly - gly - asn - asn - tyr - phe - phe - arg - ser - ile - leu -
-fMet - lys - glu - asn - leu - ser - glu - tyr - cys - ile - val - thr - gln - ala - ala - thr - thr - ile - phe - ser - gly - arg - tyr - tyr - lys - ser -
... p35 4.4 bits
p10 3.7 bits
p10 1.9 bits
... sd
... ----------} p35-(24)-p10 4570364 Gap 2.4 bits
p10 5.2 bits
... ----------| p35-p10 4570364 total 5.6 bits
p35 4.6 bits
p35 6.4 bits
p10 4.6 bits
{---------- ... p35-(23)-p10 45703
{----------} p35-(21)-p10 4570359 Gap 3.3 bits
|----------| p35-p10 4570359 total 7.7 bits
|---------- ... p35-p10 4570303 to
p10 1.4 bits
{----------} p35-(23)-p10 4570357 Gap 1.4 bits
|----------| p35-p10 4570357 total 6.4 bits
p10 5.9 bits
{----------} p35-(26)-p10 4570354 Gap 3.7 bits
|----------| p35-p10 4570354 total 8.6 bits
p35 5.7 bits
{----------} p35-(24)-p10 4570333 Gap 2.4 bits
|----------| p35-p10 4570333 total 5.1 bits
p35 2.6 bits
{----------} p35-(26)-p10 4570330 Gap 3.7 bits
|----------| p35-p10 4570330 total 4.1 bits
*4570300 *4570290 *4570280 *4570270 *4570260 *4570250 *4570240 *4570230
5′ a a t t t a g a t a a a a t g a t a t c a a c c a t c t a t t a a t c a c a a c t c a t t t a t c a c c t g a t t t t a t a a t t c a a a t g a a a a t a a 3′
- ile - leu - asp - lys - asn - asp - ile - asn - his - leu - leu - ile - thr - thr - his - leu - ser - pro - asp - phe - ile - ile - ser - asn - glu - asn - lys -
-fMet - ile - ser - thr - ile - tyr -
-fMet - lys - ile - asn -
... sd
[###> orf 7 codons
p35 5.2 bits


ir yjiS_yjiT-
... p35-(22)-p10 4
sd-(7)-ir 4570290 Gap 3.7 bits
... p35-p10 457021
--} p35-(23)-p10 4570303 Gap 1.4 bits
--| p35-p10 4570303 total 4.6 bits
| sd-ir 4570290 yjiS_yjiT- total 5.4 bits
p10 1.4 bits
*4570220 *4570210 *4570200 *4570190 *4570180 *4570170 *4570160 *4570150 *
5′ a t c t c a a a c a a t c a a a a a g t a t t c a g t a g c t g a c a t t t a a c t t t c c a g g g t a t a a a a c a a t t a g a g a a a c t g c a c a a t a g c 3′
- ser - gln - thr - ile - lys - lys - tyr - ser - val - ala - asp - ile -
- leu - lys - gln - ser - lys - ser - ile - gln -
p10 3.2 bits
p35 5.2 bits
... sd
} p35-(22)-p10 4570216 Gap 2.3 bits
p10 2.4 bits
... sd-(7)-ir 4570
| p35-p10 4570216 total 6.0 bits
... sd-ir 4570137
} p35-(24)-p10 4570157 Gap 2.4 bits
| p35-p10 4570157 total 5.2 bits
*4570140 *4570130 *4570120 *4570110 *4570100 *4570090 *4570080 *4570070 *
5′ g a a t a a t g a g a g t t g t a a a g t c a g t c a a a a a a c a c a a g t a a t c a c t g t g c g t t t t t t g a c c g t t a t c g a c a t g a g t t t a a a 3′
fMet
-fMet - arg - phe - leu - thr - val - ile - asp - met - ser - leu - lys -
fMet - arg - val - val - lys - ser - val - lys - lys - his - lys -
sd
[###> orf 12 codons
... sd
... sd-(7)-ir 4570137 Gap 3.7 bits
p35 5.6 bits
| sd-ir 4570137 yjiS_yjiT- total 5.4 bits
... p35-(21)-p10 4
ir yjiS_yjiT-
... p35-p10 457004
... p35-(23)-p10 4
... p35-p10 457004
*4570060 *4570050 *4570040 *4570030 *4570020 *4570010 *4570000 *4569990 *
5′ g a g g t t a g t g a a g a a g a t a t t c c t g t a c a c t c c a t a c c t a t t g a t g a a t t g t c t c g g g a a a a t t t t t a t a a c t t a a t t t a a 3′
-fMet - ser - arg - glu - asn - phe - tyr - asn - leu - ile -
- arg - leu - val - lys - lys - ile - phe - leu - tyr - thr - pro - tyr - leu - leu - met - asn - cys - leu - gly - lys - ile - phe - ile - thr -
... sd
p10 2.4 bits
p35 4.7 bits
[###> orf 23 codons
ir yjiS_yjiT-
p35 3.5 bits
p10 3.2 bits
... p35
} p35-(21)-p10 4570045 Gap 3.3 bits
| p35-p10 4570045 total 4.7 bits
} p35-(23)-p10 4569997 Gap 1.4 bits
| p35-p10 4569997 total 6.4 bits
} p35-(23)-p10 4570043 Gap 1.4 bits
p35 5.6 bits
p10 4.1 bits
| p35-p10 4570043 total 5.8 bits
} p35-(23)-p10 4569994 Gap 1.4 bits
sd-(7)-ir 4570054 Gap 3.7 bits
| p35-p10 4569994 total 6.1 bits


|------------| sd-ir 4570054 yjiS_yjiT- total 6.4 bits
p10 1.7 bits
p10 1.6 bits
{---} p35-(23)-p10 4569989 Gap 1.4 bits
|---| p35-p10 4569989 total 5.8 bits
p10 1.8 bits
{---} p35-(24)-p10 4569988 Gap 2.4 bits
|---| p35-p10 4569988 total 5.0 bits
p10 4.4 bits
{---} p35-(25)-p10 4569987 Gap 4.0 bi
|---| p35-p10 4569987 total 6.0 bits
{------- ... p35-(21)-p10 4
|------- ... p35-p10 456996
{------- ... p35-(23)-p10 4
|------- ... p35-p10 456996
*4569980 *4569970 *4569960 *4569950 *4569940 *4569930 *4569920
5' a a a c a t a a a a a c g t t t t a t t a t a t a t a a a t c t a t a t c c c c c c t c a c t c c a c a t c c t c c c t g c 3'
p10 7.1 bits
<---------------------------------- ... NC_000913.yjiS
... p35 5.6 bits
p10 2.4 bits
... {-----------------------------------} p35-(21)-p10 4569963 Gap 3.3 bits
... |-----------------------------------| p35-p10 4569963 total 9.3 bits
... {-------------------------------------} p35-(23)-p10 4569961 Gap 1.4 bits
... |-------------------------------------| p35-p10 4569961 total 6.5 bits