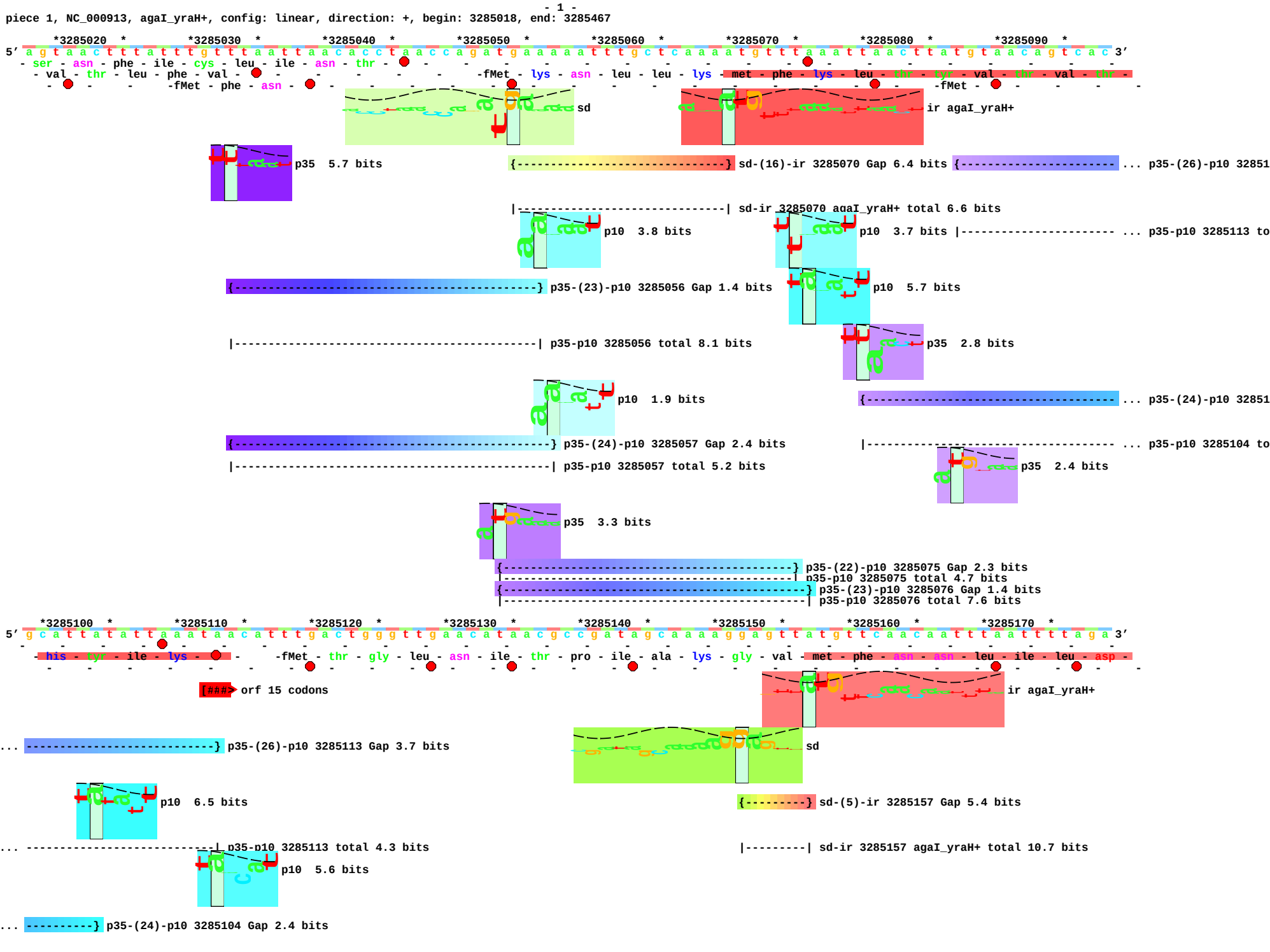
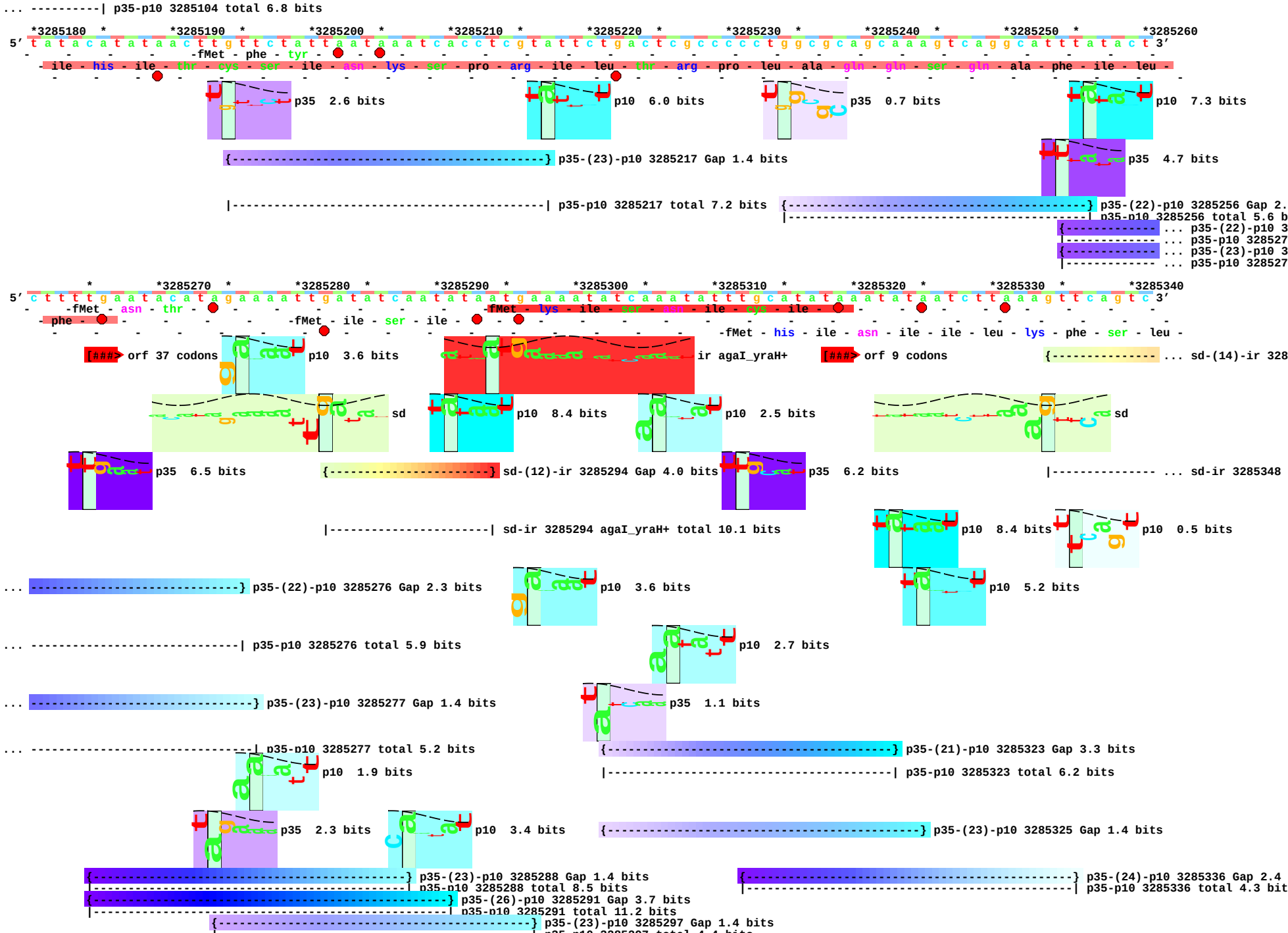
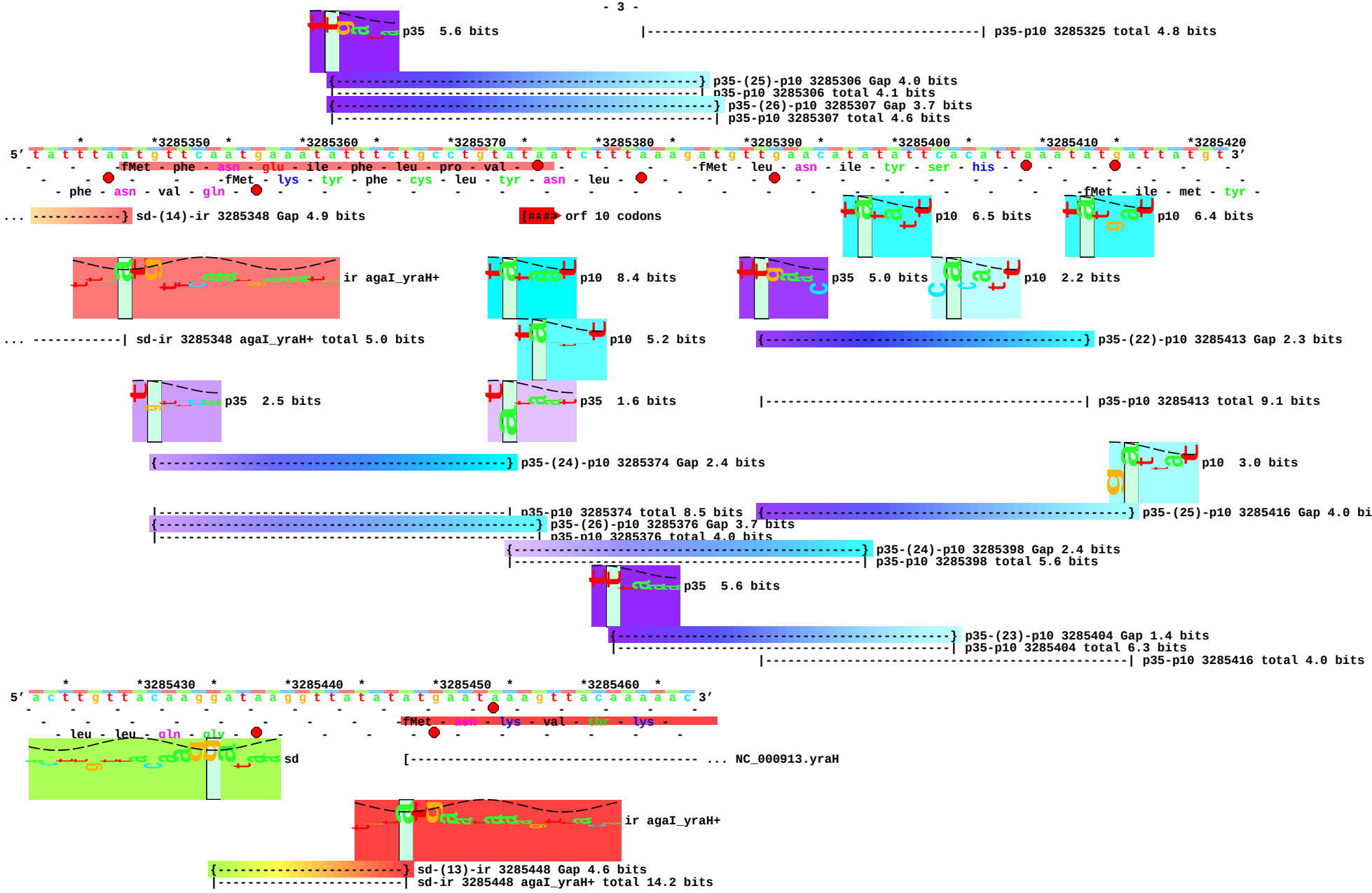

piece 1, NC_000913, agaI_yraH+, config: linear, direction: +, begin: 3285018, end: 3285467
*3285020 *3285030 *3285040 *3285050 *3285060 *3285070 *3285080 *3285090 *
5' agtaactttatttgtttaattaacacctaaccagatgaaaaatttgctcaaaatgtttaaattaacttatgtaacagtcac 3'
- ser - asn - phe - ile - cys - leu - ile - asn - thr -
- val - thr - leu - phe - val -
-fMet - lys - asn - leu - leu - lys - met - phe - lys - leu - thr - tyr - val - thr - val - thr -
-fMet - phe - asn -
-fMet -
sd
ir agaI_yraH+
p35 5.7 bits
{----------} sd-(16)-ir 3285070 Gap 6.4 bits
{---------- ... p35-(26)-p10 32851
|----------| sd-ir 3285070 agaI_yraH+ total 6.6 bits
p10 3.8 bits
p10 3.7 bits
|---------- ... p35-p10 3285113 to
{----------} p35-(23)-p10 3285056 Gap 1.4 bits
p10 5.7 bits
|----------| p35-p10 3285056 total 8.1 bits
p35 2.8 bits
p10 1.9 bits
{---------- ... p35-(24)-p10 32851
{----------} p35-(24)-p10 3285057 Gap 2.4 bits
|---------- ... p35-p10 3285104 to
|----------| p35-p10 3285057 total 5.2 bits
p35 2.4 bits
p35 3.3 bits
{----------} p35-(22)-p10 3285075 Gap 2.3 bits
|----------| p35-p10 3285075 total 4.7 bits
{----------} p35-(23)-p10 3285076 Gap 1.4 bits
|----------| p35-p10 3285076 total 7.6 bits
*3285100 *3285110 *3285120 *3285130 *3285140 *3285150 *3285160 *3285170 *
5' gcattatattaaataacatttgactgggttgaacataacgccgatagcaaaaggagttatgttcaacaatttaatttttaga 3'
- his - tyr - ile - lys -
-fMet - thr - gly - leu - asn - ile - thr - pro - ile - ala - lys - gly - val - met - phe - asn - asn - leu - ile - leu - asp -
[###> orf 15 codons
ir agaI_yraH+
... ----------} p35-(26)-p10 3285113 Gap 3.7 bits
sd
p10 6.5 bits
{---------} sd-(5)-ir 3285157 Gap 5.4 bits
... ----------| p35-p10 3285113 total 4.3 bits
|---------| sd-ir 3285157 agaI_yraH+ total 10.7 bits
p10 5.6 bits
... ----------} p35-(24)-p10 3285104 Gap 2.4 bits


... ----------| p35-p10 3285104 total 6.8 bits
*3285180 *3285190 *3285200 *3285210 *3285220 *3285230 *3285240 *3285250 *3285260
5′ t a t a c a t a t a a c t t g t t c t a t t a a t a a a t c a c c t c g t a t t c t g a c t c g c c c c c t g g c g c a g c a a a g t c a g g c a t t t a t a c t 3′
-fMet - phe - tyr -
- ile - his - ile - thr - cys - ser - ile - asn - lys - ser - pro - arg - ile - leu - thr - arg - pro - leu - ala - gln - gln - ser - gln - ala - phe - ile - leu -
p35 2.6 bits
p10 6.0 bits
p35 0.7 bits
p10 7.3 bits
{----------} p35-(23)-p10 3285217 Gap 1.4 bits
p35 4.7 bits
|----------| p35-p10 3285217 total 7.2 bits
{----------} p35-(22)-p10 3285256 Gap 2.
|----------| p35-p10 3285256 total 5.6 b
{---------- ... p35-(22)-p10 3
|---------- ... p35-p10 328527
{---------- ... p35-(23)-p10 3
|---------- ... p35-p10 328527
*3285270 *3285280 *3285290 *3285300 *3285310 *3285320 *3285330 *3285340
5′ c t t t t g a a t a c a t a g a a a a t t g a t a t c a a t a a t a a t g a a a a t a t c a a a t a t t t g c a t a t a a a t a t a a t c t t a a a g t t c a g t c 3′
-fMet - asn - thr -
-fMet - lys - ile - ser - asn - ile - cys - ile -
- phe -
-fMet - ile - ser - ile -
-fMet - his - ile - asn - ile - ile - leu - lys - phe - ser - leu -
[###> orf 37 codons
p10 3.6 bits
ir agaI_yraH+
[###> orf 9 codons
{---------- ... sd-(14)-ir 328
sd
p10 8.4 bits
p10 2.5 bits
sd
p35 6.5 bits
{----------} sd-(12)-ir 3285294 Gap 4.0 bits
p35 6.2 bits
|---------- ... sd-ir 3285348
|----------| sd-ir 3285294 agaI_yraH+ total 10.1 bits
p10 8.4 bits
p10 0.5 bits
... ----------} p35-(22)-p10 3285276 Gap 2.3 bits
p10 3.6 bits
p10 5.2 bits
... ----------| p35-p10 3285276 total 5.9 bits
p10 2.7 bits
... ----------} p35-(23)-p10 3285277 Gap 1.4 bits
p35 1.1 bits
... ----------| p35-p10 3285277 total 5.2 bits
{----------} p35-(21)-p10 3285323 Gap 3.3 bits
p10 1.9 bits
|----------| p35-p10 3285323 total 6.2 bits
p35 2.3 bits
p10 3.4 bits
{----------} p35-(23)-p10 3285325 Gap 1.4 bits
{----------} p35-(23)-p10 3285288 Gap 1.4 bits
|----------| p35-p10 3285288 total 8.5 bits
{----------} p35-(26)-p10 3285291 Gap 3.7 bits
|----------| p35-p10 3285291 total 11.2 bits
{----------} p35-(24)-p10 3285336 Gap 2.4
|----------| p35-p10 3285336 total 4.3 bit
{----------} p35-(23)-p10 3285297 Gap 1.4 bits
|----------| p35-p10 3285297 total 4.4 bits


p35 5.6 bits
|----------| p35-p10 3285325 total 4.8 bits
{----------} p35-(25)-p10 3285306 Gap 4.0 bits
|----------| p35-p10 3285306 total 4.1 bits
{----------} p35-(26)-p10 3285307 Gap 3.7 bits
|----------| p35-p10 3285307 total 4.6 bits
*3285350 *3285360 *3285370 *3285380 *3285390 *3285400 *3285410 *3285420
5' t a t t t a a t g t t c a a t g a a a t a t t t c t g c c t g t a t a a t c t t t a a a g a t g t t g a a c a t a t a t t c a c a t t a a a t a t g a t t a t g t 3'
fMet - phe - asn - glu - ile - phe - leu - pro - val -
fMet - lys - tyr - phe - cys - leu - tyr - asn - leu -
fMet - leu - asn - ile - tyr - ser - his -
phe - asn - val - gln -
fMet - ile - met - tyr -
... ----------} sd-(14)-ir 3285348 Gap 4.9 bits
[###> orf 10 codons
p10 6.5 bits
p10 6.4 bits
ir agaI_yraH+
p10 8.4 bits
p35 5.0 bits
p10 2.2 bits
... ----------| sd-ir 3285348 agaI_yraH+ total 5.0 bits
p10 5.2 bits
{----------} p35-(22)-p10 3285413 Gap 2.3 bits
p35 2.5 bits
p35 1.6 bits
|----------| p35-p10 3285413 total 9.1 bits
{----------} p35-(24)-p10 3285374 Gap 2.4 bits
p10 3.0 bits
|----------| p35-p10 3285374 total 8.5 bits
{----------} p35-(25)-p10 3285416 Gap 4.0 bi
{----------} p35-(26)-p10 3285376 Gap 3.7 bits
|----------| p35-p10 3285376 total 4.0 bits
{----------} p35-(24)-p10 3285398 Gap 2.4 bits
|----------| p35-p10 3285398 total 5.6 bits
p35 5.6 bits
{----------} p35-(23)-p10 3285404 Gap 1.4 bits
|----------| p35-p10 3285404 total 6.3 bits
|----------| p35-p10 3285416 total 4.0 bits
*3285430 *3285440 *3285450 *3285460 *
5' a c t t g t t a c a a g g a t a a g t t a t a t t g a a t a a a g t t a c a a a a a c 3'
fMet - asn - lys - val - thr - lys -
leu - leu - gln - gly -
sd
[---------- ... NC_000913.yraH
ir agaI_yraH+
{----------} sd-(13)-ir 3285448 Gap 4.6 bits
|----------| sd-ir 3285448 agaI_yraH+ total 14.2 bits