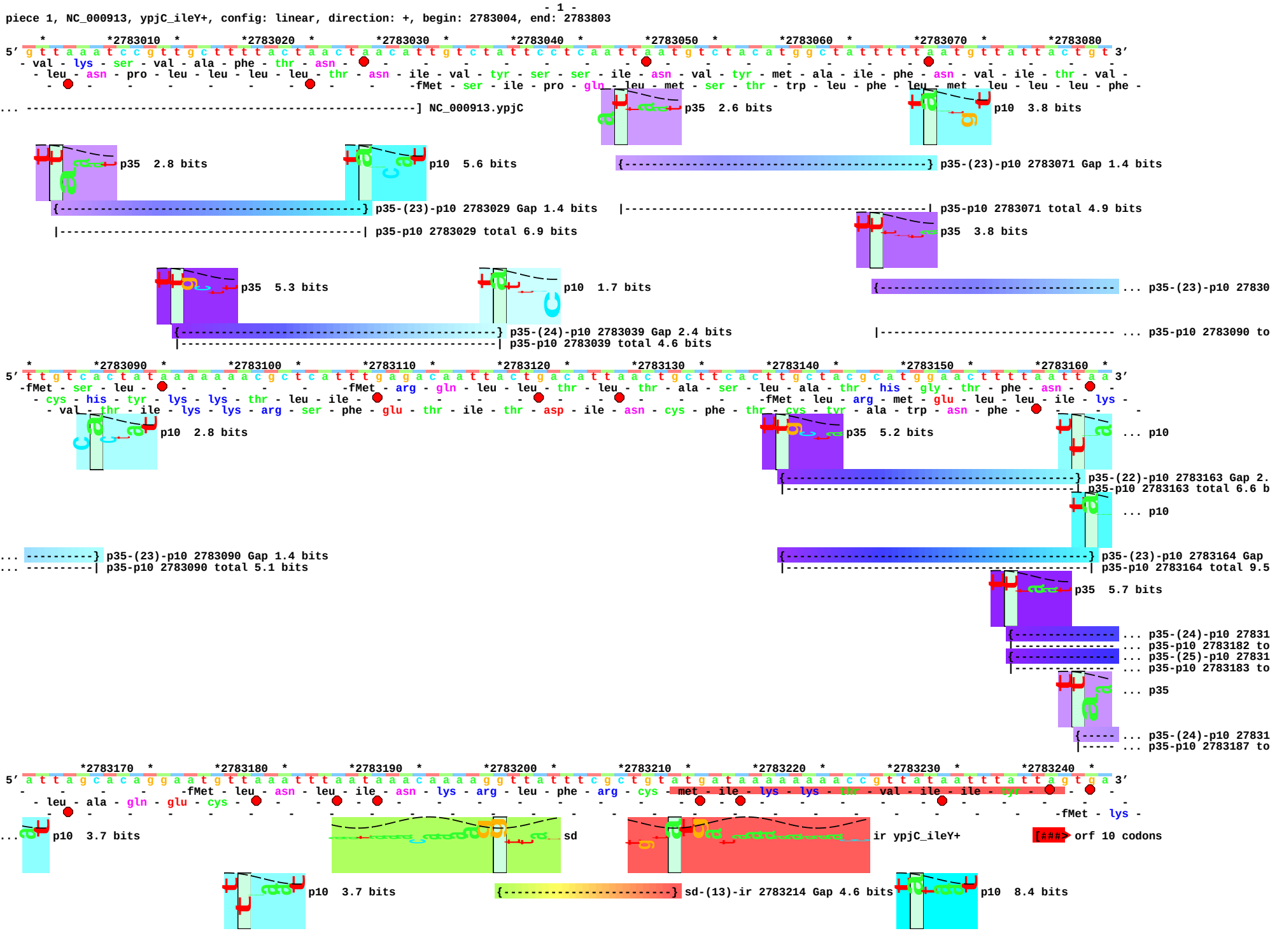
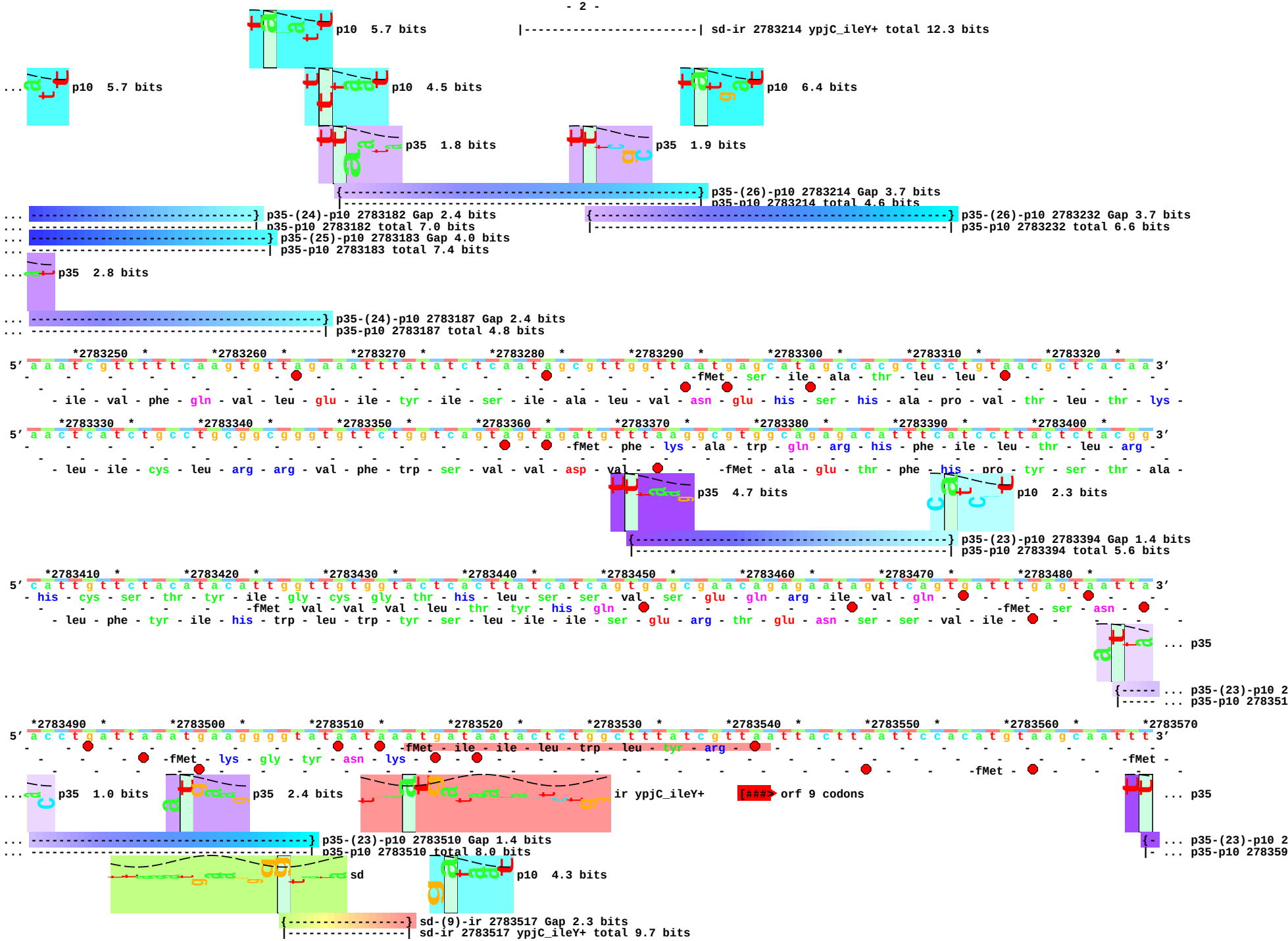
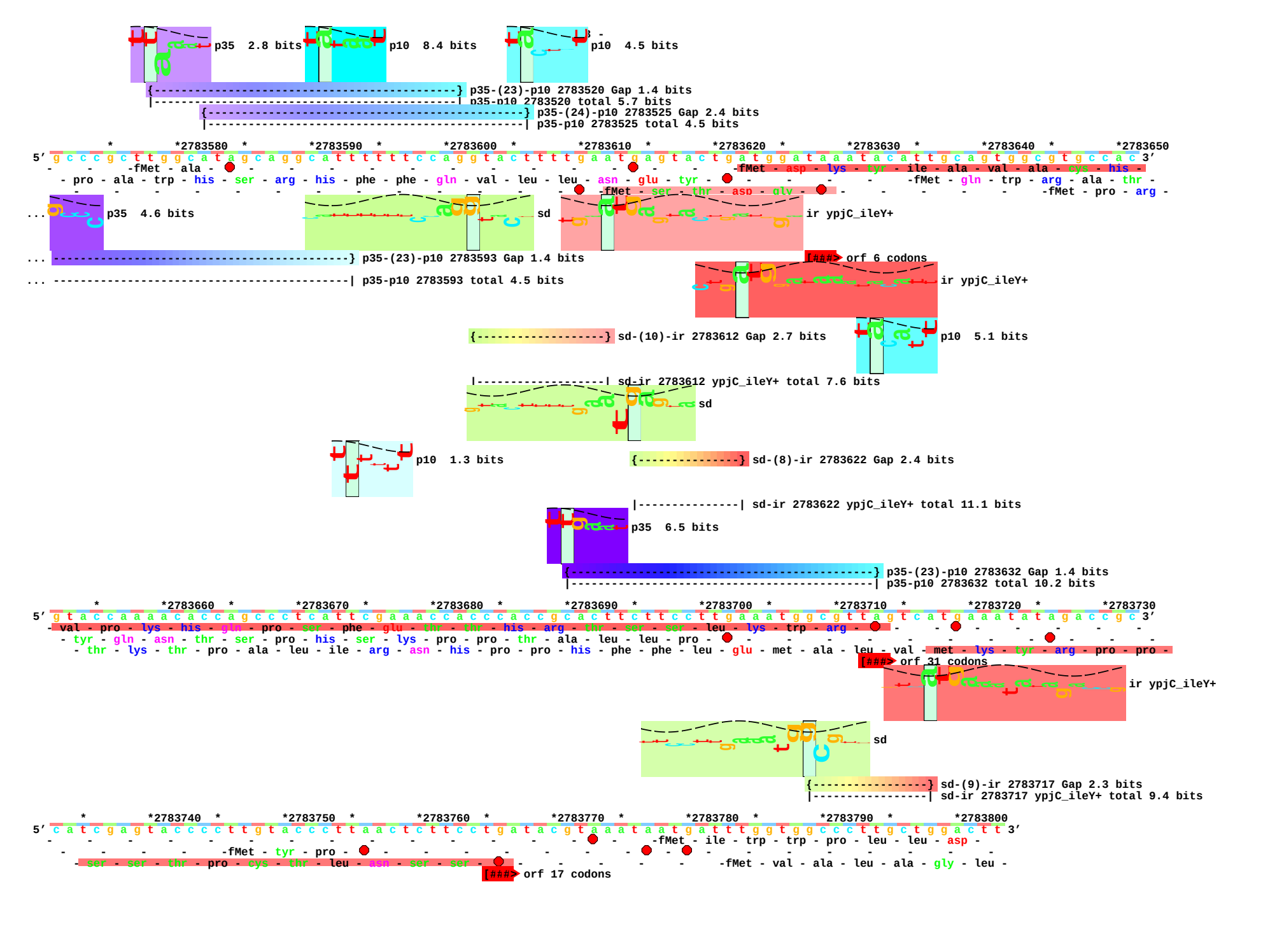

piece 1, NC_000913, ypjC_ileY+, config: linear, direction: +, begin: 2783004, end: 2783803
*2783010 *2783020 *2783030 *2783040 *2783050 *2783060 *2783070 *2783080
5′ g t t a a a t c c g t t g c t t t t a c t a a c t a a c a t t g t c t a t t c c t c a a t t a a t g t c t a c a t g g c t a t t t t t a a t g t t a t t a c t g t 3′
- val - lys - ser - val - ala - phe - thr - asn -
- leu - asn - pro - leu - leu - leu - leu - thr - asn - ile - val - tyr - ser - ser - ile - asn - val - tyr - met - ala - ile - phe - asn - val - ile - thr - val -
-fMet - ser - ile - pro - gln - leu - met - ser - thr - trp - leu - phe - leu - met - leu - leu - leu - phe -
... ----------] NC_000913.ypjC
p35 2.6 bits
p10 3.8 bits
p35 2.8 bits
p10 5.6 bits
{----------} p35-(23)-p10 2783071 Gap 1.4 bits
{----------} p35-(23)-p10 2783029 Gap 1.4 bits
|----------| p35-p10 2783071 total 4.9 bits
|----------| p35-p10 2783029 total 6.9 bits
p35 3.8 bits
p35 5.3 bits
p10 1.7 bits
{---------- ... p35-(23)-p10 27830
{----------} p35-(24)-p10 2783039 Gap 2.4 bits
|----------| p35-p10 2783039 total 4.6 bits
|---------- ... p35-p10 2783090 to
*2783090 *2783100 *2783110 *2783120 *2783130 *2783140 *2783150 *2783160
5′ t t g t c a c t a t a a a a a a a c g c t c a t t t g a g a c a a t t a c t g a c a t t a a c t g c t t c a c t t g c t a c g c a t g g a a c t t t t a a t t a a 3′
-fMet - ser - leu -
- cys - his - tyr - lys - lys - thr - leu - ile -
- val - thr - ile - lys - lys - arg - ser - phe - glu - thr - ile - thr - asp - ile - asn - cys - phe - thr -
-fMet - arg - gln - leu - leu - thr - leu - thr - ala - ser - leu - ala - thr - his - gly - thr - phe - asn -
-fMet - leu - arg - met - glu - leu - leu - ile - lys -
-cys - thr - tyr - ala - trp - asn - phe -
p10 2.8 bits
p35 5.2 bits
... p10
{----------} p35-(22)-p10 2783163 Gap 2.
|----------| p35-p10 2783163 total 6.6 b
... p10
... ----------} p35-(23)-p10 2783090 Gap 1.4 bits
... ----------| p35-p10 2783090 total 5.1 bits
{----------} p35-(23)-p10 2783164 Gap
|----------| p35-p10 2783164 total 9.5
p35 5.7 bits
{---------- ... p35-(24)-p10 27831
|---------- ... p35-p10 2783182 to
{---------- ... p35-(25)-p10 27831
|---------- ... p35-p10 2783183 to
... p35
{----- ... p35-(24)-p10 27831
|----- ... p35-p10 2783187 to
*2783170 *2783180 *2783190 *2783200 *2783210 *2783220 *2783230 *2783240
5′ a t t a g c a c a g g a a t g t t a a a t t t a a t a a a c a a a a g g t t a t t t c g c t g t a t g a t a a a a a a a a c c g t t a t a a t t t a t t a g t g a 3′
-fMet - leu - asn - leu - ile - asn - lys - arg - leu - phe - arg - cys - met - ile - lys - lys - thr - val - ile - ile - tyr -
- leu - ala - gln - glu - cys -
-fMet - lys -
...
p10 3.7 bits
sd
ir ypjC_ileY+
[###> orf 10 codons
p10 3.7 bits
{----------} sd-(13)-ir 2783214 Gap 4.6 bits
p10 8.4 bits


p10 5.7 bits
sd-ir 2783214 ypjC_ileY+ total 12.3 bits
p10 4.5 bits
p10 6.4 bits
p35 1.8 bits
p35 1.9 bits
p35-(26)-p10 2783214 Gap 3.7 bits
p35-p10 2783214 total 4.6 bits
p35-(24)-p10 2783182 Gap 2.4 bits
p35-p10 2783182 total 7.0 bits
p35-(25)-p10 2783183 Gap 4.0 bits
p35-p10 2783183 total 7.4 bits
p35-(26)-p10 2783232 Gap 3.7 bits
p35-p10 2783232 total 6.6 bits
p35 2.8 bits
p35-(24)-p10 2783187 Gap 2.4 bits
p35-p10 2783187 total 4.8 bits
*2783250 *2783260 *2783270 *2783280 *2783290 *2783300 *2783310 *2783320
5′ a a a t c g t t t t t c a a g t g t t a g a a a t t t a t a t c t c a a t a g c g t t g g t t a a t g a g c a t a g c c a c g c t c c t g t a a c g c t c a c a a 3′
-fMet - ser - ile - ala - thr - leu - leu -
- ile - val - phe - gln - val - leu - glu - ile - tyr - ile - ser - ile - ala - leu - val - asn - glu - his - ser - his - ala - pro - val - thr - leu - thr - lys -
*2783330 *2783340 *2783350 *2783360 *2783370 *2783380 *2783390 *2783400
5′ a a c t c a t c t g c c t g c g g c g g g t g t t c t g g t c a g t a g t a g a t g t t t a a g g c g t g g c a g a g a c a t t t c a t c c t t a c t c t a c g g 3′
-fMet - phe - lys - ala - trp - gln - arg - his - phe - ile - leu - thr - leu - arg -
- leu - ile - cys - leu - arg - arg - val - phe - trp - ser - val - val - asp - val -
-fMet - ala - glu - thr - phe - his - pro - tyr - ser - thr - ala -
p35 4.7 bits
p10 2.3 bits
p35-(23)-p10 2783394 Gap 1.4 bits
p35-p10 2783394 total 5.6 bits
*2783410 *2783420 *2783430 *2783440 *2783450 *2783460 *2783470 *2783480
5′ c a t t g t t c t a c a t a c a t t g g t t g t g g t a c t c a c t t a t c a t c a g t g a g c g a a c a g a g a a t a g t t c a g t g a t t t g a g t a a t t a 3′
- his - cys - ser - thr - tyr - ile - gly - cys - gly - thr - his - leu - ser - ser - val - ser - glu - gln - arg - ile - val - gln -
-fMet - val - val - val - leu - thr - tyr - his - gln -
-fMet - ser - asn -
- leu - phe - tyr - ile - his - trp - leu - trp - tyr - ser - leu - ile - ile - ser - glu - arg - thr - glu - asn - ser - ser - val - ile -
... p35
{----- ... p35-(23)-p10 2
|----- ... p35-p10 278351
*2783490 *2783500 *2783510 *2783520 *2783530 *2783540 *2783550 *2783560 *2783570
5′ a c c t g a t t a a a t g a a g g g g t a t a a t a a a t g a t a a t a c t c t g g c t t t a t c g t t a a t t a c t t a a t t c c a c a t g t a a g c a a t t t 3′
-fMet - ile - ile - leu - trp - leu - tyr - arg -
-fMet - lys - gly - tyr - asn - lys -
-fMet -
-fMet -
p35 1.0 bits
p35 2.4 bits
ir ypjC_ileY+
[###> orf 9 codons
... p35
p35-(23)-p10 2783510 Gap 1.4 bits
p35-p10 2783510 total 8.0 bits
... p35-(23)-p10 2
... p35-p10 278359
sd
p10 4.3 bits
sd-(9)-ir 2783517 Gap 2.3 bits
sd-ir 2783517 ypjC_ileY+ total 9.7 bits


p35 2.8 bits
p10 8.4 bits
p10 4.5 bits
p35-(23)-p10 2783520 Gap 1.4 bits
p35-p10 2783520 total 5.7 bits
p35-(24)-p10 2783525 Gap 2.4 bits
p35-p10 2783525 total 4.5 bits
*2783580
*2783590
*2783600
*2783610
*2783620
*2783630
*2783640
*2783650
5′ g c c c g c t t g g c a t a g c a g g c a t t t t t t c c a g g t a c t t t t g a a t g a g t a c t g a t g g a t a a a t a c a t t g c a g t g g c g t g c c a c 3′
fMet - ala -
fMet - asp - lys - tyr - ile - ala - val - ala - cys - his -
pro - ala - trp - his - ser - arg - his - phe - phe - gln - val - leu - leu - asn - glu - tyr -
fMet - gln - trp - arg - ala - thr -
fMet - ser - thr - asp - glu -
fMet - pro - arg -
p35 4.6 bits
sd
ir ypjC_ileY+
p35-(23)-p10 2783593 Gap 1.4 bits
p35-p10 2783593 total 4.5 bits
[###> orf 6 codons
ir ypjC_ileY+
sd-(10)-ir 2783612 Gap 2.7 bits
p10 5.1 bits
sd-ir 2783612 ypjC_ileY+ total 7.6 bits
sd
p10 1.3 bits
sd-(8)-ir 2783622 Gap 2.4 bits
sd-ir 2783622 ypjC_ileY+ total 11.1 bits
p35 6.5 bits
p35-(23)-p10 2783632 Gap 1.4 bits
p35-p10 2783632 total 10.2 bits
*2783660
*2783670
*2783680
*2783690
*2783700
*2783710
*2783720
*2783730
5′ g t a c c a a a a c a c c a g c c c t c a t t c g a a a c c a c c c a c c g c a c t t c t t c c t t g a a a t g g c g t t a g t c a t g a a a t a t a g a c c g c 3′
val - pro - lys - his - gln - pro - ser - phe - glu - thr - thr - his - arg - thr - ser - ser - leu - lys - trp - arg -
tyr - gln - asn - thr - ser - pro - his - ser - lys - pro - pro - thr - ala - leu - leu - pro -
thr - lys - thr - pro - ala - leu - ile - arg - asn - his - pro - pro - his - phe - phe - leu - glu - met - ala - leu - val - met - lys - tyr - arg - pro - pro -
[###> orf 31 codons
ir ypjC_ileY+
sd
sd-(9)-ir 2783717 Gap 2.3 bits
sd-ir 2783717 ypjC_ileY+ total 9.4 bits
*2783740
*2783750
*2783760
*2783770
*2783780
*2783790
*2783800
5′ c a t c g a g t a c c c c t t g t a c c c t t a a c t c t t c c t g a t a c g t a a a t a a t g a t t t g g t g g c c c t t g c t g g a c t t 3′
fMet - tyr - pro -
fMet - ile - trp - trp - pro - leu - leu - asp -
ser - ser - thr - pro - cys - thr - leu - asn - ser - ser -
fMet - val - ala - leu - ala - gly - leu -
[###> orf 17 codons