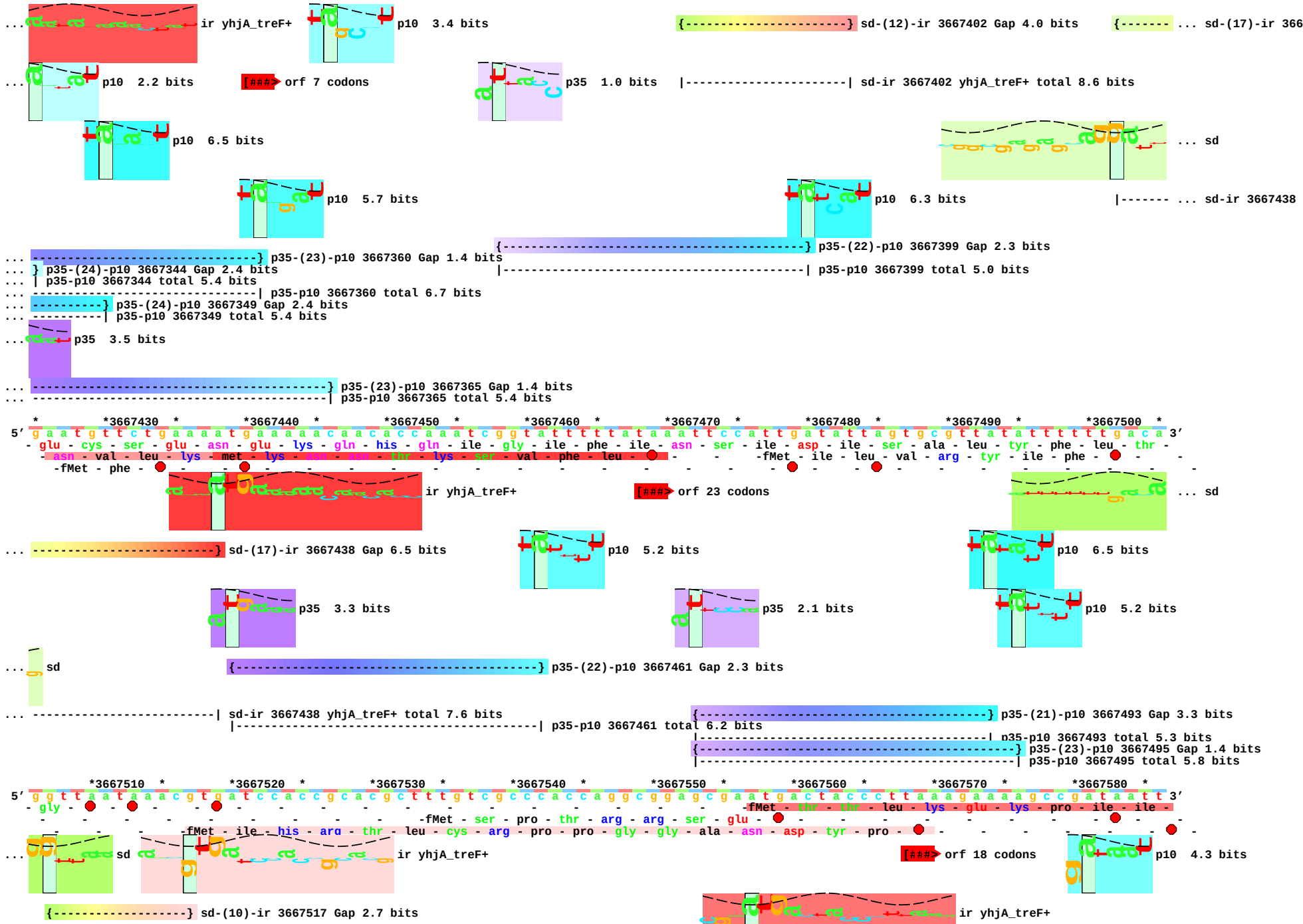
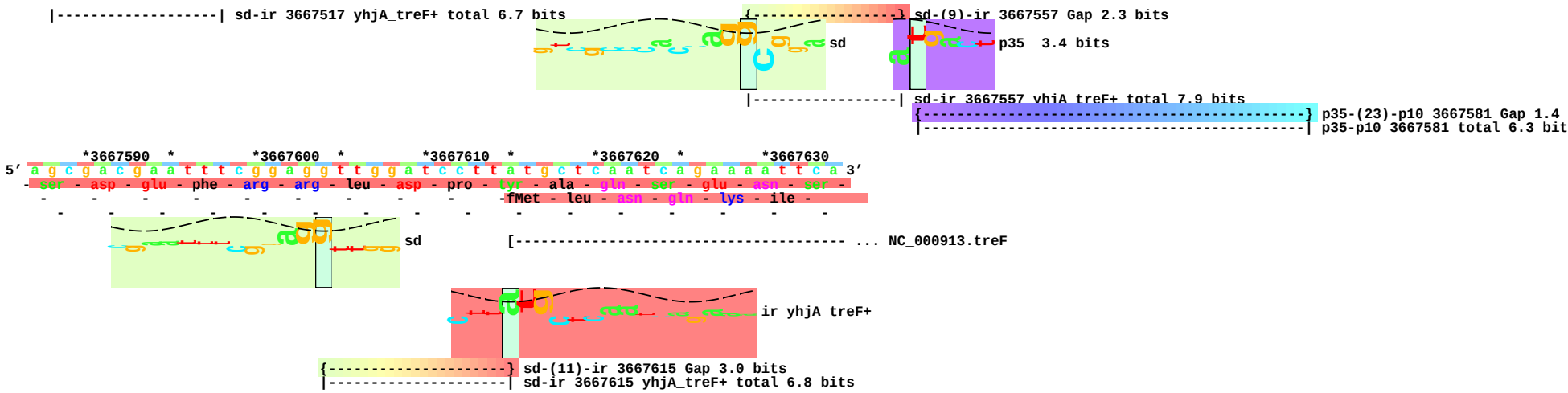
piece 1, NC_000913, yhjA_treF+, config: linear, direction: +, begin: 3667182, end: 3667634

*3667190 *3667200 *3667210 *3667220 *3667230 *3667240 *3667250 *3667260
5′ g a t c g c g g t a a t a c g t g a g a c c a t t t t c a t t a t t c t t c c c t c a c g g t g g t g a g t t a t t g t g a c c c a g a a a a t t t t c c a g a a 3′
- asp - arg - gly - asn - thr - - - - - - - - - - - - - - -fMet - val - ser - tyr - cys - asp - pro - glu - asn - phe - pro - glu -
- ile - ala - val - ile - arg - glu - thr - ile - phe - ile - ile - leu - pro - ser - arg - trp - - - -fMet - thr - gln - lys - ile - phe - gln - asn -
- ser - arg - - - -fMet - arg - pro - phe - ser - leu - phe - phe - pro - his - gly - gly - glu - leu - leu - - - - - - - -fMet -
... ----------] NC_000913.yhjA
ir yhjA_treF+
sd
p10 4.6 bits
p35 1.4 bits
{----------} sd-(10)-ir 3667240 Gap 2.7 bits
|----------| sd-ir 3667240 yhjA_treF+ total 7.3 bits
{----------} p35-(23)-p10 3667237 Gap 1.4 bits
|----------| p35-p10 3667237 total 4.5 bits
*3667270 *3667280 *3667290 *3667300 *3667310 *3667320 *3667330 *3667340
5′ t g c t g c a a a c g t c t c t g c g a g a c a a a g c c a t c a t a a a a a a c a g g g a g a t a c g c t t t t t g a t a g g a a t c a a t c a a t t a c a t g 3′
- cys - cys - lys - arg - leu - cys - glu - thr - lys - pro - ser -fMet -
- ala - ala - asn - val - ser - ala - arg - gln - ser - his - his - lys - lys - gln - gly - asp - thr - leu - phe - asp - arg - asn - gln - ser - ile - thr - -
- leu - gln - thr - ser - leu - arg - asp - lys - ala - ile - ile - lys - asn - arg - glu - ile - arg - phe - leu - ile - gly - ile - asn - gln - leu - his - glu -
sd
ir yhjA_treF+
[### ... orf
{----------} sd-(12)-ir 3667319 Gap 4.0 bits
... ir
|----------| sd-ir 3667319 yhjA_treF+ total 7.7 bits
... p10
sd
p35 2.4 bits
{----------} sd-(15)-ir 3667341 Gap 6.0
|----------| sd-ir 3667341 yhjA_treF+ to
p35 5.6 bits
{---------- ... p35-(23)-p10 36673
{---------- ... p35-(24)-p10 36673
|---------- ... p35-p10 3667344 to
p35 1.3 bits |---------- ... p35-p10 3667360 to
{---------- ... p35-(24)-p10 36673
|---------- ... p35-p10 3667349 to
... p35
{--- ... p35-(23)-p10 36673
|--- ... p35-p10 3667365 to
*3667350 *3667360 *3667370 *3667380 *3667390 *3667400 *3667410 *3667420
5′ a a t a t a a a c t a t c a a t a a g a t a g c c t g t g c c t a t t a c c c a g a t c a g g a a t g g c a t a t c a t g a t t g c g g c g a g a g c a g g a t t 3′
- asn - ile - asn - tyr - gln - - - - - - - - - - - - - - - -fMet - ala - tyr - his - asp - cys - gly - glu - ser - arg - ile -
- - - - - - - - - - - - - - - - - - - -


ir yhjA_treF+
p10 3.4 bits
sd-(12)-ir 3667402 Gap 4.0 bits
sd-(17)-ir 366
p10 2.2 bits
orf 7 codons
p35 1.0 bits
sd-ir 3667402 yhjA_treF+ total 8.6 bits
p10 6.5 bits
sd
p10 5.7 bits
p10 6.3 bits
sd-ir 3667438
p35-(22)-p10 3667399 Gap 2.3 bits
p35-(23)-p10 3667360 Gap 1.4 bits
p35-(24)-p10 3667344 Gap 2.4 bits
p35-p10 3667344 total 5.4 bits
p35-p10 3667360 total 6.7 bits
p35-(24)-p10 3667349 Gap 2.4 bits
p35-p10 3667349 total 5.4 bits
p35 3.5 bits
p35-(23)-p10 3667365 Gap 1.4 bits
p35-p10 3667365 total 5.4 bits
p35-p10 3667399 total 5.0 bits
*3667430 *3667440 *3667450 *3667460 *3667470 *3667480 *3667490 *3667500
5′ g a a t g t t c t g a a a a a t g a a a a a a c a a c a c c a a a t c g g t a t t t t t a t a a a t t c c a t t g a t a t t a g t g c g t t a t a t t t t t t g a c a 3′
- glu - cys - ser - glu - asn - glu - lys - gln - his - gln - ile - gly - ile - phe - ile - asn - ser - ile - asp - ile - ser - ala - leu - tyr - phe - leu - thr -
- asn - val - leu - lys - met - lys - asn - asn - thr - lys - ser - val - phe - leu -
-fMet - ile - leu - val - arg - tyr - ile - phe -
-fMet - phe -
ir yhjA_treF+
orf 23 codons
sd
sd-(17)-ir 3667438 Gap 6.5 bits
p10 5.2 bits
p10 6.5 bits
p35 3.3 bits
p35 2.1 bits
p10 5.2 bits
sd
p35-(22)-p10 3667461 Gap 2.3 bits
sd-ir 3667438 yhjA_treF+ total 7.6 bits
p35-p10 3667461 total 6.2 bits
p35-(21)-p10 3667493 Gap 3.3 bits
p35-p10 3667493 total 5.3 bits
p35-(23)-p10 3667495 Gap 1.4 bits
p35-p10 3667495 total 5.8 bits
*3667510 *3667520 *3667530 *3667540 *3667550 *3667560 *3667570 *3667580
5′ g g t t a a t a a a c g t g a t c c a c c g c a c g c t t t g t c g c c c a c c a g g c g g a g c g a a t g a c t a c c c t t a a a g a a a a g c c g a t a a t t 3′
- gly - -fMet - thr - thr - leu - lys - glu - lys - pro - ile - ile -
-fMet - ser - pro - thr - arg - arg - ser - glu -
-fMet - ile - his - arg - thr - leu - cys - arg - pro - pro - gly - gly - ala - asn - asp - tyr - pro -
sd
ir yhjA_treF+
orf 18 codons
p10 4.3 bits
sd-(10)-ir 3667517 Gap 2.7 bits
ir yhjA_treF+


|------------------| sd-ir 3667517 yhjA_treF+ total 6.7 bits
{----------------} sd-(9)-ir 3667557 Gap 2.3 bits
sd
p35 3.4 bits
|----------------| sd-ir 3667557 yhjA_treF+ total 7.9 bits
{--} p35-(23)-p10 3667581 Gap 1.4
|--| p35-p10 3667581 total 6.3 bit
*3667590 * *3667600 * *3667610 * *3667620 * *3667630
5′ a g c g a c g a a t t t c g g a g g t t g g a t c c t t a t g c t c a a t c a g a a a a t t c a 3′
- ser - asp - glu - phe - arg - arg - leu - asp - pro - tyr - ala - gln - ser - glu - asn - ser -
- - - -