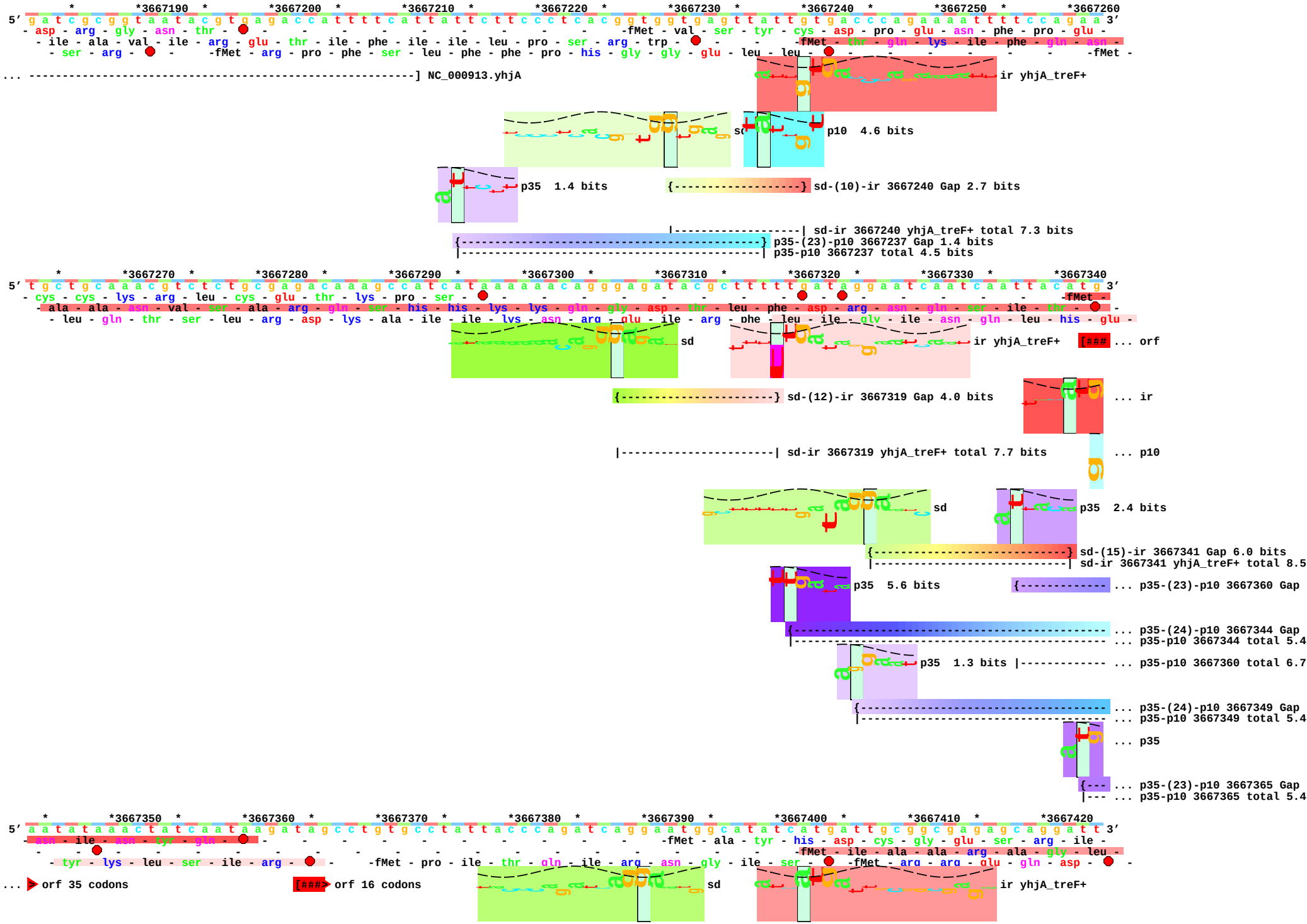
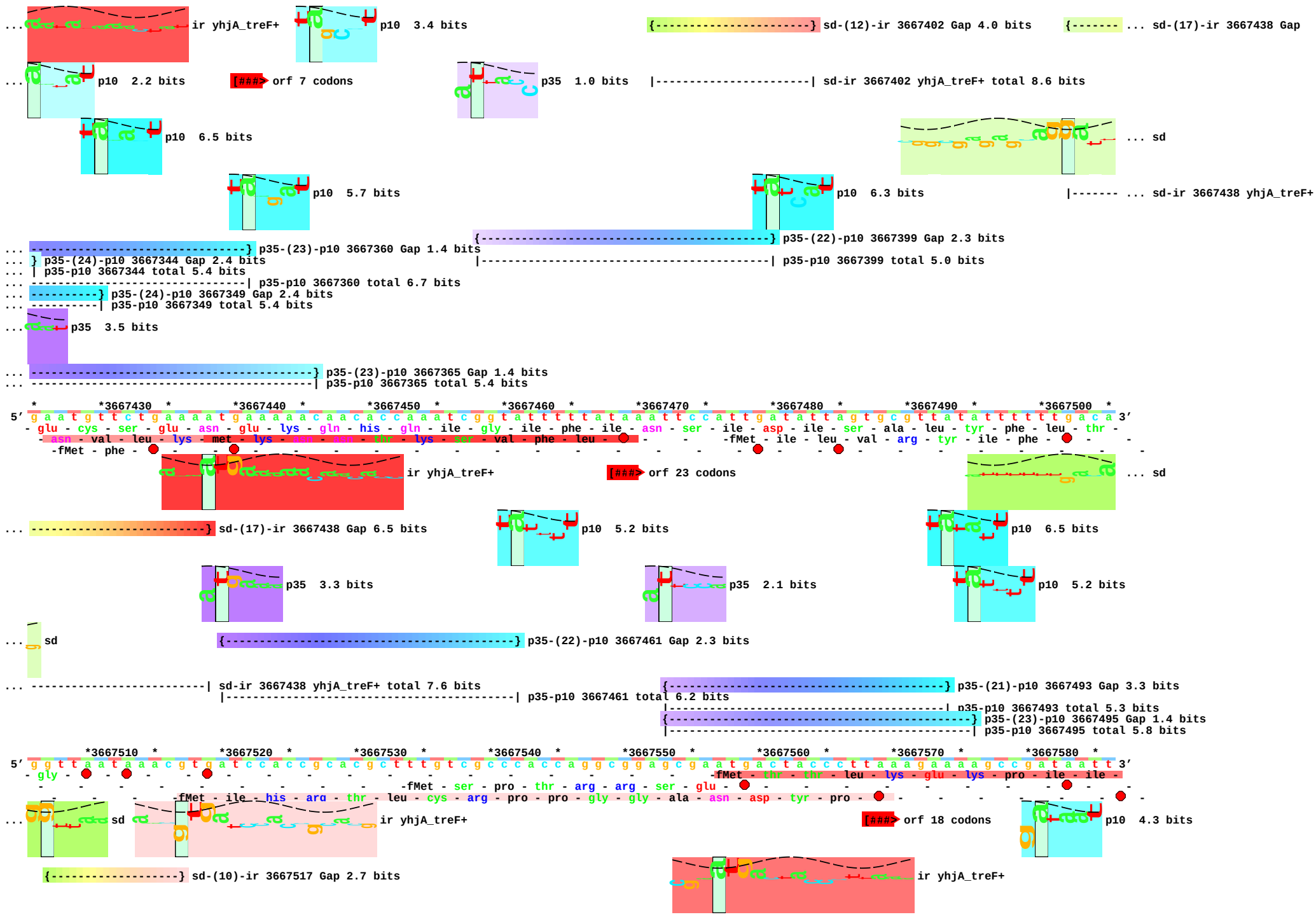
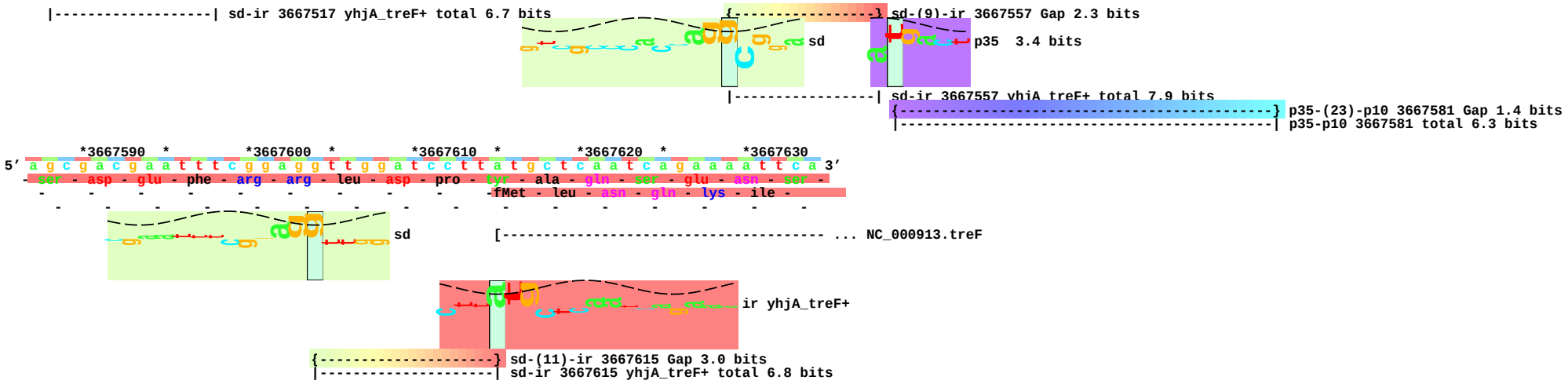
piece 1, NC_000913, yhjA_treF+, config: linear, direction: +, begin: 3667182, end: 3667634




ir yhjA_treF+
p10 3.4 bits
{----------} sd-(12)-ir 3667402 Gap 4.0 bits
{------- ... sd-(17)-ir 3667438 Gap
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 yhjA_treF+
{----------} 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-p10 3667399 total 5.0 bits
... ----------} p35-(23)-p10 3667365 Gap 1.4 bits
... ----------| p35-p10 3667365 total 5.4 bits
*3667430 *3667440 *3667450 *3667460 *3667470 *3667480 *3667490 *3667500 *
5′ g a a t g t t c t g a a a a t g 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 bits
|----------| p35-p10 3667581 total 6.3 bits
*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 -
- - - - - - - - - - - fMet - leu - asn - gln - lys - ile -
sd
[---------- ... NC_000913.treF
ir yhjA_treF+
{----------} sd-(11)-ir 3667615 Gap 3.0 bits
|----------| sd-ir 3667615 yhjA_treF+ total 6.8 bits