

piece 1, NC\_000913, yegR\_yegS-, config: linear, direction: -, begin: 2166765, end: 2166311

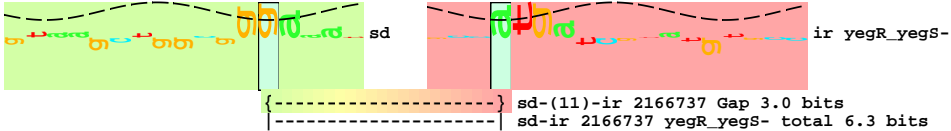
5' <sup>\*2166760</sup> a a t c a g t a a g c t g g c g g g a a a t t c t g c c a t g a t c g g t a t g t g c c t t a t g a t t g g t c t g t a g a t a g t g t a g a g c a g a a a c a 3'

-fMet -cys -leu -tyr -asp -trp -ser -val -asp -ser -val -glu -gln -lys -thr -

-ile -ser -lys -leu -ala -gly -asn -ser -ala -met -ile -val -cys -ala -phe -met -ile -gly -leu - -fMet - -

-ser -val -ser -trp -arg -glu -ile -leu -pro - -fMet -pro -leu - -fMet -val -cys -arg - -fMet - -

... -----] NC\_000913.yegS [###> orf 11 codons ... sd



5' <sup>\*2166680</sup> a a a g g t g g a g t c a g a a c a g g a t g a a a g t c g g a g g a t a a a a a g t c a g t t c a a g t a t g g a g g a t t c a g t g g t t a c c a c c a g g a 3'

-lys -gly -gly -val -arg -thr -gly - -fMet -glu -ser -glu -gln -asp -glu -ser -arg -arg -ile -lys -ser -gln -phe -lys -tyr -gly -gly -phe -ser -gly -tyr -his -gln -glu -

-fMet -glu -ser -glu -gln -asp -glu -ser -arg -arg -ile -lys -ser -gln -phe -lys -tyr -gly -gly -phe -ser -gly -tyr -his -gln -glu -

-fMet -glu -asp -ser -val -val -thr -thr -arg -ser -

... -----] ir yegR\_yegS- [###> orf 6 codons ... sd

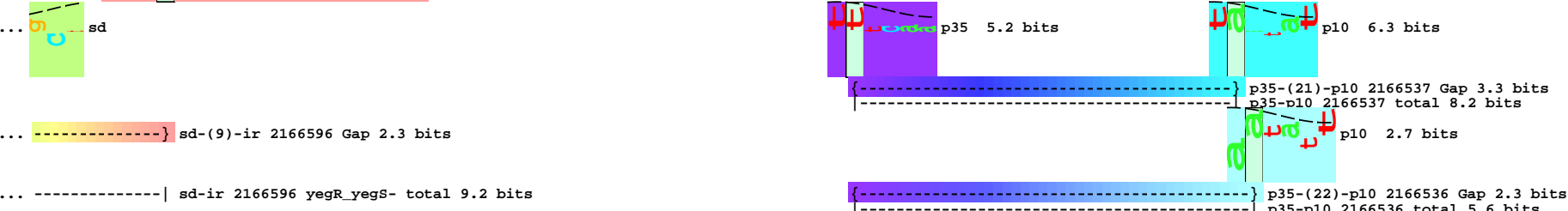


5' <sup>\*2166600</sup> g c t t g c a a t g g g g a c a g c g a a t a c t a a c g g c t g c c a c c g a t a a a a t t t c a a a a a g a g c a t a t a c c t a a t t t c a a c t a a a c 3'

-leu -ala -met -gly -thr -ala -asn -thr -asn -gly -cys -his -arg - -fMet -glu -trp -glv -gln -arg -ile -leu -thr -ala -ala -thr -asp -lys -phe -gln -lys -arg -ala -tyr -thr -

-leu -gln -trp -glv -gln -arg -ile -leu -thr -ala -ala -thr -asp -lys -phe -gln -lys -arg -ala -tyr -thr -

... -----] ir yegR\_yegS- [###> orf 12 codons [###> orf 28 codons

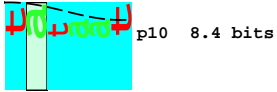


5' <sup>\*2166520</sup> a g t g g c a t c t t c a a t a t a t a t a t t a a a g c c c c a t g g a g t t a c c c t g a a g g g c c t c a a t g t c c g t a a t t c c t a c t t a t g t 3'

-fMet -ala -ser -ser -ile - -fMet -glu -leu -pro - -fMet -ser -val -ile -pro -thr -tyr -val -

-fMet -ala -ser -ser -ile - -fMet -glu -leu -pro - -fMet -ser -val -ile -pro -thr -tyr -val -

... -----] p10 3.4 bits ... p35-(23)-p10 2166510 Gap ... p35-p10 2166510 total 4.1 ... p35-(26)-p10 2166507 Gap ... p35-p10 2166507 total 6.8



... } p35-(23)-p10 2166510 Gap 1.4 bits  
 ... } p35-p10 2166510 total 4.1 bits  
 ... } p35-(26)-p10 2166507 Gap 3.7 bits  
 ... } p35-p10 2166507 total 6.8 bits

5' \*2166440 \* \*2166430 \* \*2166420 \* \*2166410 \* \*2166400 \* \*2166390 \* \*2166380 \* \*2166370 \*  
 a g g a a a t g t t g t a c a g a a c a t t t a t t a t a a t c c c t a t t c a a t t a t a a t a a t c a t g c c a t t a t t a t a t t t a a a c a c t a g a g a g 3'  
 - gly - asn - val - val - gln - asn - ile - tyr - tyr - asn - pro - ile - gln - leu - - - -fMet - pro - leu - leu - tyr - leu - asn - thr - arg - glu -  
 -fMet - leu - tyr - arg - thr - phe - ile - ile - ile - leu - phe - asn - tyr - asn - asn - his - ala - ile - ile - ile - phe - lys - his - - -fMet -



{-----} p35-(22)-p10 2166418 Gap 2.3 bits p10 4.6 bits p10 6.5 bits

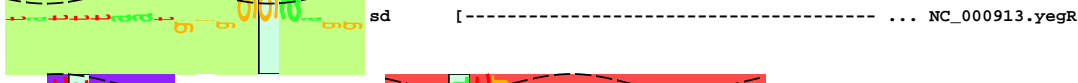
|-----| p35-p10 2166418 total 6.0 bits p35 1.6 bits



{-----} p35-(25)-p10 2166415 Gap 4.0 bits  
 {-----} p35-p10 2166415 total 5.6 bits  
 p35 4.8 bits p35 1.2 bits

{-----} p35-(21)-p10 2166399 Gap 3.3 bits  
 {-----} p35-p10 2166399 total 9.9 bits  
 {-----} p35-(24)-p10 2166396 Gap 2.4 bits  
 {-----} p35-p10 2166396 total 7.0 bits  
 {-----} p35-(23)-p10 2166382 Gap 1.4 bits  
 {-----} p35-p10 2166382 total 6.8 bits  
 {-----} p35-p10 2166379 total 5.8 bits

\*2166360 \* \*2166350 \* \*2166340 \* \*2166330 \* \*2166320 \*  
 t g t c g t t g g t a t t t a a t g g g g g a a g g t g a g a t g a a a a a g a t a g c t g c t a t 3'  
 - cys - arg - trp - tyr - leu - met - gly - glu - gly - glu - met - lys - lys - ile - ala - ala -  
 -fMet - arg -  
 - ser - leu - val - phe - asn - gly - gly - arg -



{-----} sd-(9)-ir 2166330 Gap 2.3 bits  
 {-----} sd-ir 2166330 yegR yegS- total 13.8 bits  
 p10 1.9 bits

{-----} p35-(24)-p10 2166324 Gap 2.4 bits

-----| p35-p10 2166324 total 5.1 bits