

piece 1, NC\_000913, ybaJ\_acrB-, config: linear, direction: -, begin: 480507, end: 479913

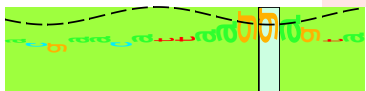
5' <sup>\*</sup>g a g c a c a g c c a t a c t g t c g a t c a t c a t t g a t a c a a c g t g t a a t c a c t a a g g c c g c g t a a g c g g c c t t t t t a t g c a t a a c c 3'

-fMet - his - ser - thr - val - asp - his - his - fMet - cys - asn - his - lys - ala - ala - fMet - his - asn - leu -

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

- arg - thr - leu - arg - ser - asn - fMet - asn - his - gln - leu - arg - ile - ser - tyr - glu - asn - gln - tyr -

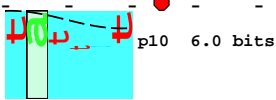
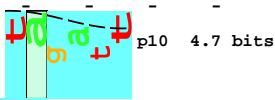
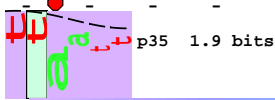
ir ybaJ\_acrB- [###] orf 14 codons



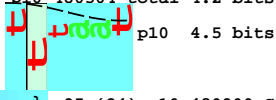
sd-(6)-ir 480407 Gap 4.3 bits  
sd-ir 480407 ybaJ\_acrB- total 6.9 bits

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

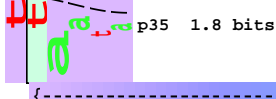
-fMet - leu - val - asn - leu - tyr -



p35-(24)-p10 480304 Gap 2.4 bits  
p35-p10 480304 total 4.2 bits



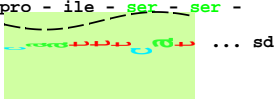
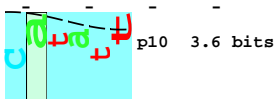
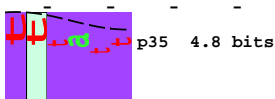
p35-(24)-p10 480300 Gap 2.4 bits  
p35-p10 480300 total 6.8 bits



p35-(26)-p10 480273 Gap 3.7 bits  
p35-p10 480273 total 4.1 bits

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

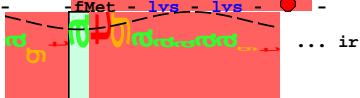
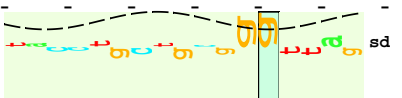
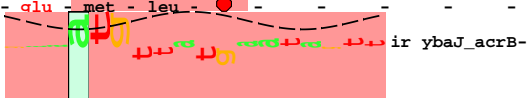
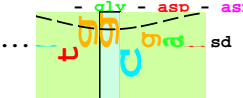
-fMet - arg - fMet - ser - pro - ile - ser - ser -



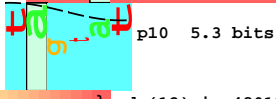
p35-(25)-p10 480223 Gap 4.0 bits  
p35-p10 480223 total 4.4 bits

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

-fMet - leu - val - fMet - leu - val - fMet -



[###] orf 3 codons



sd-(14)-ir 480166 Gap 4.9 bits

sd-(12)-ir 480112 Gap 4.0 bits

|-----| sd-ir 480166 ybaJ\_acrB- total 5.5 bits

|-----| sd-ir 480112 ybaJ\_acrB- total 6.3 bits

{-----} p35-(23)-p10 480115 Gap 1.4 bits  
p35-p10 480115 total 7.1 bits

5' \*480100 \* \*480090 \* \*480080 \* \*480070 \* \*480060 \* \*480050 \* \*480040 \* \*480030 \*  
 g a g t c c t g t c c c g c t t c c t t c c t a a t t g t a a t t t t t c g t a a t a t g c g a t g a a a a c c t g c a a a g a g t g g c t t a t a g t t a a g 3'  
 - ser - pro - val - pro - leu - pro - ser - fMet - fMet - arg - lys - thr - cys - lys - glu - trp - leu - ile - val - lys -

... ir ybaJ\_acrB-

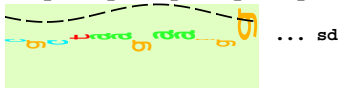
p35 3.3 bits

p10 5.9 bits

... #4> orf 4 codons

{-----} p35-(23)-p10 480030 Gap 1.4 bits  
p35-p10 480030 total 7.8 bits

5' \*480020 \* \*480010 \* \*480000 \* \*479990 \* \*479980 \* \*479970 \* \*479960 \* \*479950 \*  
 c t a a c a a a c g a g a g g g c a a g t c c a g g t c a g t a a g t t t t t t c c a t c c c g a a a g g t g t c c g t t a g t t c a a c c g c t a a g a a g g g 3'  
 - leu - thr - asn - glu - arg - ala - ser - pro - gly - gln - fMet - ser - val - ser - ser - thr - ala - lys - lys - gly -



5' \*479940 \* \*479930 \* \*479920 \*  
 g a c g c g t t a t g g a t g a a t a c t c a c c c a a 3'  
 - thr - arg - tyr - gly - fMet - asn - thr - his - pro -  
 - fMet - asp - glu - tyr - ser - pro -

sd [-----] ... NC\_000913.ybaJ

ir ybaJ\_acrB-

sd-(8)-ir 479932 Gap 2.4 bits  
sd-ir 479932 ybaJ\_acrB- total 8.1 bits

ir ybaJ\_acrB-

sd-(12)-ir 479928 Gap 4.0 bits  
sd-ir 479928 ybaJ\_acrB- total 5.1 bits