

piece 1, NC\_000913, ydaG\_racR-, config: linear, direction: -, begin: 1417818, end: 1417461

5' *a g c c a g a a c a t c a c a a a a a c t g g a a c t t a a a c t t a t a t g g t c t g a c g g a a a a c t c c t g g a t t c c g t t a t t t a a c c c c c c a* 3'

- *ser - gln - asn - ile - thr - lys - thr - gly - thr* -fMet - val -

- *ala - arg - thr - ser - gln - lys - leu - glu - leu - lys - leu - ile - trp - ser - asp - gly - lys - leu - leu - asp - ser - val - ile* -

- *pro - glu - his - his - lys - asn - trp - asn - leu - asn - leu - tyr - gly - leu - thr - glu - asn - ser - trp - ile - pro - leu - phe - asn - pro - pro - ile* -

5' *t c a c t t t c t g c t g t c g c c a t c a c c t a t t a g g t t a c g c t c a a a a c a t t a g g c a t a g c c t a t t g a c a a t c a a t t a g g c a t t a c* 3'

- *thr - phe - cys - cys - arg - his - his - leu - leu - gly - tyr - ala - gln - asn - ile - arg - his - ser - leu - leu - thr - ile - asn* -

p35 3.5 bits p10 2.8 bits p35 6.4 bits

----- p35-(23)-p10 1417709 Gap 1.4 bits  
 ----- p35-p10 1417709 total 4.8 bits  
 ----- p35-(23)-p10 1417654 Gap  
 ----- p35-p10 1417654 total 10.8 bits

5' *c t a t a g t t c c a g c a t a c c a c c c a c c c c g c c c c c a c a g a a c g c c g g g c a a t a c t t c g a g t t a c c a g g c a g t g g t a a g g g g t t a* 3'

-fMet - val - arg - gly -

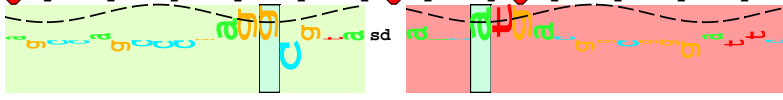
p10 5.9 bits

... p35-(23)-p10 1417654 Gap 1.4 bits  
 ... p35-p10 1417654 total 10.8 bits

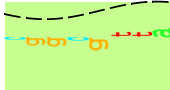
5' *a g t a g c c a g c c g a g g c g t a t g a a c a t g a c g g c g g g a t t c a a a t t t t g c a g t g c a g c a g t t a g t t c c g c c a c c c g g c g t t a* 3'

-fMet - *asn - met - thr - ala - gly - phe - lys - phe - cys - ser - ala - ala - val - ser - ser - ala - thr - arg - arg* -

-fMet - *gln - gln - leu - val - pro - pro - pro - gly - val - lys* -



----- sd-(10)-ir 1417550 Gap 2.7 bits



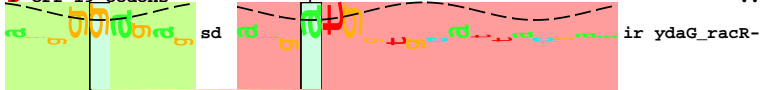
### ... orf

----- sd-ir 1417550 ydaG\_racR- total 5.4 bits

5' *a g g g g a g a g a t a a g a t g g t g c a t t a c g a a g t a g t* 3'

- *gly - arg - asp - lys - met - val - his - tyr - glu - val* -

... orf 19 codons ... NC\_000913.ydaG



----- sd-(10)-ir 1417480 Gap 2.7 bits  
 ----- sd-ir 1417480 ydaG\_racR- total 8.3 bits