

piece 1, NC\_000913, yihG\_pola+, config: linear, direction: +, begin: 4044596, end: 4045008

5' <sup>\*4044600 \*</sup> <sup>\*4044610 \*</sup> <sup>\*4044620 \*</sup> <sup>\*4044630 \*</sup> <sup>\*4044640 \*</sup> <sup>\*4044650 \*</sup> <sup>\*4044660 \*</sup> <sup>\*4044670 \*</sup> <sup>\*4044680 \*</sup> <sup>\*4044690 \*</sup> <sup>\*4044700 \*</sup> <sup>\*4044710 \*</sup> <sup>\*4044720 \*</sup> <sup>\*4044730 \*</sup> <sup>\*4044740 \*</sup> <sup>\*4044750 \*</sup> 3'

- his - asn - glu - phe - ile - gln - lys - val - ser - his - arg - gln - cys - ala - lys - glu - ala - gln - gly - ala - asp - phe - ser - arg - lys - arg - pro -  
 - ile - met - asn - leu - phe - lys - arg - leu - ala - ile - asp - ser - ala - leu - lys - lys - arg - lys - ala - gln - ile - leu - ala - glu - asn - asp - pro -

NC\_000913.yihG

5' <sup>\*4044680 \*</sup> <sup>\*4044690 \*</sup> <sup>\*4044700 \*</sup> <sup>\*4044710 \*</sup> <sup>\*4044720 \*</sup> <sup>\*4044730 \*</sup> <sup>\*4044740 \*</sup> <sup>\*4044750 \*</sup> 3'

- lys - fMet - ile - leu - lys - glu - lys - asn - asn - ser - tyr - leu - ser - thr - leu - glu - lys - ile - pro - leu - ser - gln - leu - leu - gly -  
 - asn - asn - gly -

5' <sup>\*4044760 \*</sup> <sup>\*4044770 \*</sup> <sup>\*4044780 \*</sup> <sup>\*4044790 \*</sup> <sup>\*4044800 \*</sup> <sup>\*4044810 \*</sup> <sup>\*4044820 \*</sup> <sup>\*4044830 \*</sup> 3'

- met - asp - leu - phe - leu - thr - ala - fMet - lys - asn - lys - asp - lys - his - his - ala - val - lys - ser - met - ile - ile - asn - fMet -

ir yihG\_pola+ [###] orf 3 codons [###] orf 17 codons [###] ... orf

sd-(17)-ir 4044778 Gap 6.5 bits ir yihG\_pola+ ... ir

sd-ir 4044778 yihG\_pola+ total 7.2 bits ir yihG\_pola+ ... sd-(11)-ir 4044847 Gap

sd-(9)-ir 4044814 Gap 2.3 bits ... sd-ir 4044847 yihG\_pola+

sd-(10)-ir 4044800 Gap 2.7 bits ... sd

sd-ir 4044800 yihG\_pola+ total 8.5 bits sd-(18)-ir 4044834 Gap 6.9 bits

sd-ir 4044814 yihG\_pola+ total 7.1 bits sd

sd-ir 4044834 yihG\_pola+ total 5.4 bits

5' <sup>\*4044840 \*</sup> <sup>\*4044850 \*</sup> <sup>\*4044860 \*</sup> <sup>\*4044870 \*</sup> <sup>\*4044880 \*</sup> <sup>\*4044890 \*</sup> <sup>\*4044900 \*</sup> <sup>\*4044910 \*</sup> 3'

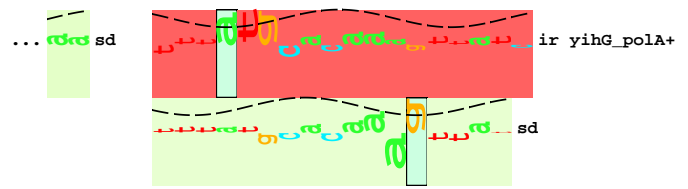
- fMet - his - lys - val - ile - his - met - thr - fMet - arg - ala - ile - gln - lys - ile - tyr - lys - arg - phe - ser - arg - lys - ala - val -  
 - fMet - his - lys - val - ile - his - met - thr - fMet - arg - ala - ile - gln - lys - ile - tyr - lys - arg - phe - ser - arg - lys - ala - val -

orf 2 codons ir yihG\_pola+ [##] ... orf

ir yihG\_pola+ sd-(9)-ir 4044865 Gap 2.3 bits

sd-(11)-ir 4044847 Gap 3.0 bits

sd-ir 4044847 yihG\_pola+ total 8.4 bits



|-----| sd-ir 4044865 yihG\_polA+ total 5.2 bits

\*4044920 \*      \*4044930 \*      \*4044940 \*      \*4044950 \*      \*4044960 \*      \*4044970 \*      \*4044980 \*      \*4044990 \*      \*4045000

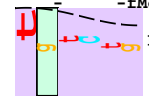
5' g a a a a a a c t c a t g t t t t c a t c c t g t c t g t g g c a t c c t t t a c c c a t a a t c t g a t a a a c a g g c a c g g a c a t t a t g g t t c a g a t c 3'

- fMet - phe - ser - ser - cys - leu - trp - his - pro - leu - pro - ile - ile - - fMet - val - gln - ile -

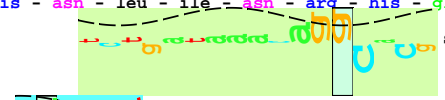
- lys - asn - ser - cys - phe - his - pro - val - cys - gly - ile - leu - tyr - pro - - - - -

- fMet - ala - ser - phe - thr - his - asn - leu - ile - asn - arg - his - gly - his - tyr - gly - ser - asp - pro -

... orf 25 codons

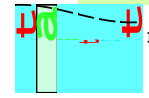


p35 1.3 bits



sd

[-----] ... NC\_000913.polA



p10 5.2 bits



... ir

{-----} p35-(22)-p10 4044964 Gap 2.3 bits

{-----} p35-p10 4044964 total 4.2 bits

{-----} sd-(11)-ir 4044989 Gap 3.0 bits

{-----} sd-ir 4044989 yihG\_polA+ total 8.6 bits

\*  
5' c c c c a a a a 3'  
- pro - gln -

... NC\_000913.polA

