

piece 1, NC\_000913, yagT\_yagU-, config: linear, direction: -, begin: 302244, end: 301778

5' <sup>\*302240</sup> <sup>\*302230</sup> <sup>\*302220</sup> <sup>\*302210</sup> <sup>\*302200</sup> <sup>\*302190</sup> <sup>\*302180</sup> <sup>\*302170</sup> <sup>\*</sup>

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

... ] NC\_000913.yagU p10 4.9 bits



p35-(23)-p10 302199 Gap 1.4 bits  
p35-p10 302199 total 4.2 bits

p35 2.2 bits

p35-(23)-p10 302196 Gap 1.4 bits  
p35-p10 302196 total 5.0 bits

5' <sup>\*302160</sup> <sup>\*302150</sup> <sup>\*302140</sup> <sup>\*302130</sup> <sup>\*302120</sup> <sup>\*302110</sup> <sup>\*302100</sup> <sup>\*302090</sup> <sup>\*</sup>

- lys - gln - gly - lys - cys - lys - glu - leu - tyr - cys - phe - val - fMet - tyr - asn - lys - ile - val - ser - fMet - asn - ile - ser - ser - ile - ile - thr - arg - gln - met - fMet - phe - cys - ile - thr - arg -

p35 3.4 bits

p10 4.1 bits

p35 5.3 bits

p10 4.6 bits

p35-(22)-p10 302128 Gap 2.3 bits  
p35-p10 302128 total 5.2 bits

p35-(21)-p10 302094 Gap 3.3 bits  
p35-p10 302094 total 6.6 bits

5' <sup>\*302080</sup> <sup>\*302070</sup> <sup>\*302060</sup> <sup>\*302050</sup> <sup>\*302040</sup> <sup>\*302030</sup> <sup>\*302020</sup> <sup>\*302010</sup> <sup>\*</sup>

- ser - pro - tyr - phe - tyr - ile - arg - ser - asp - arg - asp - leu - gln - gly - asp - val - glu - leu - lys - ile - thr - gly - phe - leu - ile - gly - phe - fMet - val - phe - fMet - thr - glu - ile - cys - arg - val - met -

p35 5.3 bits

... p35-(23)-p10 301992 Gap  
... p35-p10 301992 total 6.5

5' <sup>\*302000</sup> <sup>\*301990</sup> <sup>\*301980</sup> <sup>\*301970</sup> <sup>\*301960</sup> <sup>\*301950</sup> <sup>\*301940</sup> <sup>\*301930</sup> <sup>\*</sup>

- fMet - his - arg - thr - thr - lys - ala - ile - asn - gln - leu - pro - ser - ser - ser - thr - ser - arg - arg - thr - fMet - leu - leu - ala - gly - leu - ile - cys - ile - val - gln - leu - lys - gln -

p10 2.7 bits

p10 2.2 bits

fMet - leu - leu - ala - gly - leu - ile -

... ] p35-(23)-p10 301992 Gap 1.4 bits

... | p35-p10 301992 total 6.5 bits

p35 6.2 bits

{ sd-(6)-ir 301942 Gap 4.3 bits

| sd-ir 301942 yagT\_yagU- total 7.9 bits

5' <sup>\*301920</sup> <sup>\*301910</sup> <sup>\*301900</sup> <sup>\*301890</sup> <sup>\*301880</sup> <sup>\*301870</sup> <sup>\*301860</sup> <sup>\*301850</sup> <sup>\*301840</sup>

- tag - gct - gca - ttc - ggc - gtt - tta - aga - aata - aat - cct - cct - gct - gct - gct - gca - gact - at - gct - taa - aag - gct - tta - aaaa - aag - cat - cag - cact - ctc - gct -

- ala - ala - phe - ala - phe -

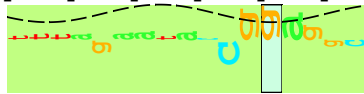
- fMet - leu - asn - val -

###> orf 14 codons

\* \* \*301830 \* \* \*301820 \* \* \*301810 \* \* \*301800 \* \* \*301790 \* \* \*301780

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

- fMet - ser - asn - gln - gly - glu -



[----- NC\_000913.yagT



ir yagT\_yagU-

sd-(10)-ir 301797 Gap 2.7 bits ### ... orf  
sd-ir 301797 yagT\_yagU- total 9.2 bits