

piece 1, NC_000913, mdlB_glnK-, config: linear, direction: -, begin: 471851, end: 471622


*471850 * *471840 * *471830 * *471820 * *471810 * *471800 * *471790 * *471780 *

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

- trp - phe - asp - tyr - his - gly - his - gln - leu - his - arg - ser - pro - pro - val - arg - ile - arg - ● - - - - -

- gly - leu - ile - ile - thr - val - thr - ser - phe - ile - ● - asp - pro - leu - arg - ser - glu - phe - gly - asn - gly - ser - ala - thr - arg - arg - arg - tyr -

- val - ● -

... -----] NC_000913.glnK  ... sd

*471770 * *471760 * *471750 * *471740 * *471730 * *471720 * *471710 * *471700 * *471690 *

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

-fMet - gln - ala - val - cys - gln - lys - ● -

- cys - lys - arg - cys - ala - arg - asn - glu - lys - arg - glu - arg - glu - gln - glu - val - lys - lys - phe - glu - asn - glu - asn - ala - leu - ● - -

- ala - ser - gly - val - pro - glu - met - lys - ● - ● - glu - lys - glu - ser - arg - lys - leu - arg - ser - leu - lys - met - lys - thr - his - tyr - asp - ser -

...  sd  ir mdlB_glnK-  sd  ir mdlB_glnK-

{-----} sd-(11)-ir 471750 Gap 3.0 bits

|-----| sd-ir 471750 mdlB_glnK- total 9.9 bits

{-----} sd-(8)-ir 471708 Gap 2.4 bits
sd-ir 471708 mdlB_glnK- total 7.4 bits

{-----} sd-(11)-ir 471695 Gap 3.0 bits
sd-ir 471695 mdlB_glnK- total 10.4 bits

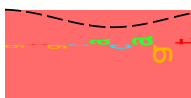


* *471680 * *471670 * *471660 * *471650 * *471640 * *471630 *

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

- val - his - ser - ala - leu - his - phe - cys - thr - asn - asp - glu - ile - leu - arg - tyr - ser - gly - ala - gln - ● - - - -

- - -fMet - arg - tyr - ile - phe - ala - pro - thr - met - lys - tyr - cys - ala - ile - gln - ala - leu - asn - asp - ser -

- ala - gln - cys - val - thr - phe - leu - his - glu - arg - ● -

...  ir mdlB_glnK-  orf 32 codons <-----> ... NC_000913.mdlB  orf 23 codons