

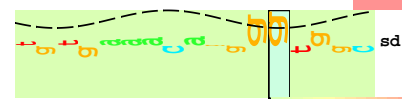
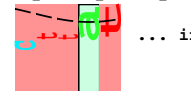
piece 1, NC_000913, cysZ_cysK+, config: linear, direction: +, begin: 2530217, end: 2530450

5' ^{*2530220 *} t a t c g c g a t a a a c a c g c g a t g t g g c g g t a a c a a t c t a c c g g t t a t t t t g t a a a c o g t t t g t g t g a a a c a g g g g t g g c t t a t 3'

- tyr - arg - asp - lys - his - ala - met - trp - arg - ● - -fMet - cys - glu - thr - gly - val - ala - tyr -

- ile - ala - ile - asn - thr - arg - cys - gly - gly - asn - asn - leu - pro - val - ile - leu - ● - -fMet - lys - gln - gly - trp - leu - met -

- ser - arg - ● - - -fMet - ala - val - thr - ile - tyr - arg - leu - phe - cys - lys - pro - phe - val - ● - -

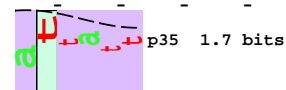
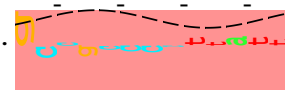


{-----} sd-(7)-ir 2530296 Gap 3.7 bits
 |-----| sd-ir 2530296 cysZ_cysK+ total 6

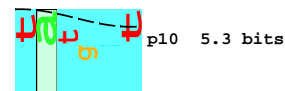
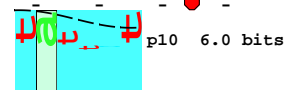
5' ^{*2530300 *} g c c g c c c c t t a t t c c a t c t t g c a t g t c a t t a t t c c c t t c t g t a t a t a g a t a t g c t a a a t c c t t a c t t c c g c a t a t t c t c t 3'

- ala - ala - pro - tyr - ser - ile - leu - his - val - ile - ile - ser - leu - leu - tyr - ile - asp - met - leu - asn - pro - tyr - phe - arg - ile - phe - ser -

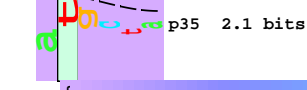
- pro - pro - leu - ile - pro - ser - cys - met - ser - leu - phe - pro - phe - cys - ile - ● - -



orf 17 codons



{-----} p35-(23)-p10 2530349 Gap 1.4 bits
 |-----| p35-p10 2530349 total 5.6 bits

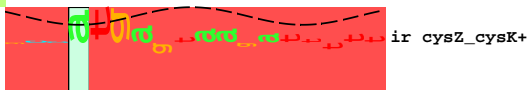


{-----} p35-(22)-p10 2530372 Gap 2.3 bits
 |-----| p35-p10 2530372 total 5.8 bits

5' ^{*2530380 *} g a g c g g g t a t g c t a c c t g t t g t a t c c c a a t t t c a t a c a g t t a a g g a c a g g c c a t g a g t a a g a t t t t t g a a g a 3'

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

- - -fMet - leu - pro - val - val - ser - gln - phe - his - thr - val - lys - asp - arg - pro - ● - -fMet - lys -



{-----} sd-(8)-ir 2530431 Gap 2.4 bits
 |-----| sd-ir 2530431 cysZ_cysK+ total 13.7 bits

... NC_000913.cysK