

piece 1, NC_000913, trmA_btub-, config: linear, direction: -, begin: 4161691, end: 4161274

*4161690 * *4161680 * *4161670 * *4161660 * *4161650 * *4161640 * *4161630 * *4161620 *

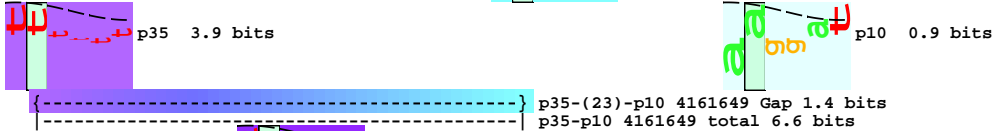
5' c g c c g t c a g c a g c g a a g c t t t t t a a t c a t t g t a a a g c a t c c a c a a t a g a a g a a g g a t g c c g c a g g t t t c a t c a a t a t t a c 3'

- arg - arg - gln - gln - arg - ser - phe - phe - asn - his - cys - lys - ala - ser - thr - ile - glu - glu - gly - cys - arg - arg - phe - his - gln - tyr - tyr -

- ala - val - ser - ser - glu - ala - phe - leu - ile - ile - val - lys - his - pro - gln - - - -fMet - pro - gln - val - ser - ser - ile - leu - arg -

- pro - ser - ala - ala - lys - leu - phe - - - -fMet - - - - -

NC_000913.btub p10 4.1 bits



*4161610 * *4161600 * *4161590 * *4161580 * *4161570 * *4161560 * *4161550 * *4161540 * *4161530 *

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

- ala - met - met - arg - thr - arg - cys - asp - val - gly - arg - gln - val - phe - gly - leu - gly - gly - val - ser - lys - ile - leu - arg - asp - asp - asp -

-fMet - ala - gly - arg - ser - ser - gly - leu - glu - gly - tyr - leu - arg - tyr - - - -fMet - met - thr -

- asp - asp - glu - asn - gln - met - arg - arg - trp - pro - ala - gly - leu - arg - ala - trp - arg - gly - ile - - - -

*4161520 * *4161510 * *4161500 * *4161490 * *4161480 * *4161470 * *4161460 * *4161450 *

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

- phe - pro - pro - asn - gly - ser - val - arg - ile - thr - gln - ser - ser - his - leu - ser - leu - pro - leu - arg - val - ser - ser - arg - phe - ala - leu -

- ser - his - arg - met - ala - val - ser - ala - - - - -

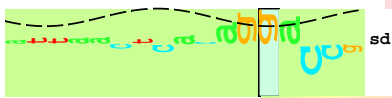
*4161440 * *4161430 * *4161420 * *4161410 * *4161400 * *4161390 * *4161380 * *4161370 *

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

- asp - ser - leu - leu - thr - his - arg - thr - gly - lys - trp - met - leu - gln - val - val - thr - ser - tyr - cys - pro - asp - val - ala - his - lys - -

-fMet - asp - ala - thr - gly - cys - asn - lys - leu - leu - ser - arg - arg - ser - ser - gln - ile - gly -

ir trmA_btub-

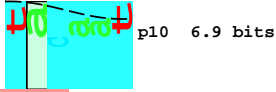


*4161360 * *4161350 * *4161340 * *4161330 * *4161320 * *4161310 * *4161300 * *4161290 *

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

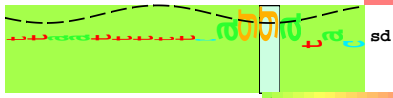
- ile - his - gln - asp - leu - asp - ile - -fMet - ser - asn - pro - tyr - asn - arg - arg - val - leu - - - -fMet - thr - pro -

or# orf 26 codons



or# orf 11 codons

NC_000913.trmA



p35 4.3 bits

5' *ccgaaacacctcc* 3' *4161280 *
- glu - his - leu -
... NC_000913.trmA
... ir trmA_btub-

{-----} p35-(22)-p10 4161329 Gap 2.3 bits
|-----| p35-p10 4161329 total 8.9 bits