

piece 1, NC_000913, yaiA_aroM-, config: linear, direction: -, begin: 406681, end: 406375

*406680 * *406670 * *406660 * *406650 * *406640 * *406630 * *406620 * *406610 *

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

- asp - gly - gln - asp - arg - gln - arg - arg - thr - his - cys - ser - ser - thr - leu - leu - phe - phe - arg - arg - ● -

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

- trp - ser - gly - ser - pro - thr - thr - his - ser - leu - phe - ile - his - leu - thr - phe - leu - ser - ser - leu - ile - thr - gly - gln - val - ● -

-----] NC_000913.aroM

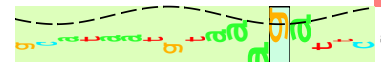
*406600 * *406590 * *406580 * *406570 * *406560 * *406550 * *406540 * *406530 * *406520 *

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

- his - his - cys - ● - -fMet - leu - gln - met - thr - lys - ser - val - ala - ala - asp - val - his - gly - ile - met - ● -

-fMet - cys - tyr - lys - ● - -

... ir



... sd-(8)-ir 406518 Gap

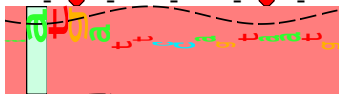
... sd-ir 406518 yaiA_aroM- t

*406510 * *406500 * *406490 * *406480 * *406470 * *406460 * *406450 * *406440 *

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

-fMet - ile - pro - val - met - asp - cys - tyr - cys - leu - ile - phe - ● - -fMet - lys - asn - val - thr - gln - ile -

-fMet - cys - tyr - lys - ● - -fMet - ● - -fMet - ● - -fMet - ● - -fMet - ● - -fMet - ● - -fMet - ● - -fMet - ● - -fMet - ● -



orf 13 codons

orf 11 codons

... ir

p35 2.1 bits

ir yaiA_aroM-

ir yaiA_aroM-

sd-(8)-ir 406518 Gap 2.4 bits

p35 4.7 bits

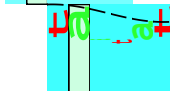
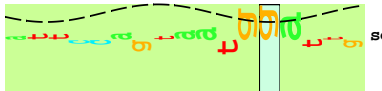
sd

ir yaiA_aroM-

sd-ir 406518 yaiA_aroM- total 8.1 bits

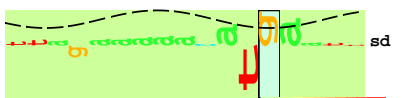
p10 4.5 bits

sd-(7)-ir 406466 Gap 3.7 bits



sd-ir 406466 yaiA_aroM- total 8.6 bits

sd-(8)-ir 406495 Gap 2.4 bits



sd-ir 406495 yaiA_aroM- total 5.0 bits

p35-(23)-p10 406491 Gap 1.4 bits

p35-p10 406491 total 5.1 bits

p35-(25)-p10 406489 Gap 4.0 bits

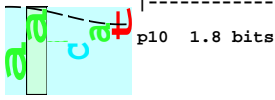
p35-p10 406489 total 4.4 bits

sd-(5)-ir 406459 Gap 5.4 bits

sd-ir 406459 yaiA_aroM- total 10.2 bits

sd-(14)-ir 406450 Gap 4.9 bits

sd-ir 406450 yaiA_aroM- total 5.2 bits



p35 0.5 bits

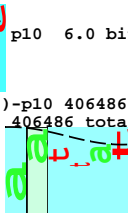
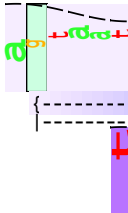
p10 6.0 bits

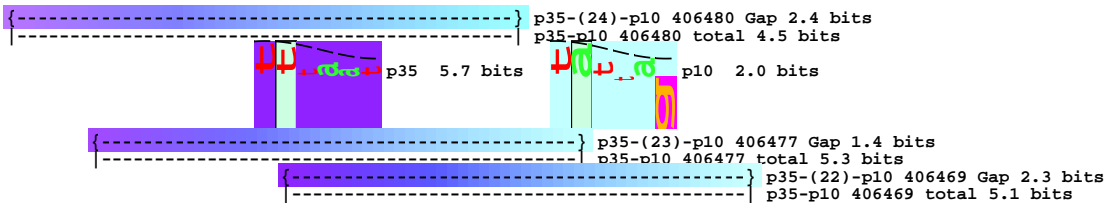
p35-(23)-p10 406486 Gap 1.4 bits

p35-p10 406486 total 5.0 bits

p35 3.6 bits

p10 3.3 bits





5' ^{*}c c t t g t a g t g g c a c t c a g a a t c c c t t c c g a g c a g t c t g a t g c g g t c a c t c t t t g t c a g g g t c c t 3'
 - pro - cys - ser - gly - thr - gln - asp - pro - phe - arg - ala - val - - - - -fMet - ser - gly - ser -
 - leu - -fMet - ala - leu - arg - ile - pro - ser - glu - gln - ser - asp - ala - val - thr - leu - cys - gln - gly - pro -
 - - - -fMet - arg - ser - leu - phe - val - arg - val -

... ir yaiA_aroM-

<----- ... NC_000913.yaiA

orf 12 codons

orf 20 codons