

piece 1, NC_000913, ddlA_iraP+, config: linear, direction: +, begin: 400118, end: 400629

*400120 * *400130 * *400140 * *400150 * *400160 * *400170 * *400180 * *400190 *

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

- lys - asn - asp - ser - tyr - pro - gln - phe - phe - his - leu - lys - asn - leu - ser - arg - leu - thr - gln - ser - ala - tyr - ile - thr - thr - thr - lys -

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

- lys - arg - phe - leu - pro - ala - val - phe - pro - ser -

-----] NC_000913.ddlA

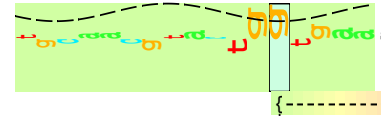
*400200 * *400210 * *400220 * *400230 * *400240 * *400250 * *400260 * *400270 *

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

- arg - gly - ile - arg - gly - leu - leu - lys - asp - cys - cys - asn - leu - leu - leu - thr - lys - arg - ala - thr - tyr - trp -

- gly - gly - phe - ala - ala - phe - - - -fMet - leu - gln - ser - ser - ala - asp - lys - ala - cys - asn - val - leu - val - lys - lvs - val - arg - tyr -

... ir



sd(9)-ir 400273 Gap 2.3 bits
sd-ir 400273 ddlA_iraP+ total 5.8 bits

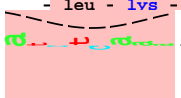
*400280 * *400290 * *400300 * *400310 * *400320 * *400330 * *400340 * *400350 * *400360

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

- ser - gln - arg - cys - ala - gln - asp - his - lys - asn - asp - glu - arg - glu - ala - asn - leu - phe - leu - ala - -fMet - ala - met - arg - ser -

- leu - lvs - asp - val - arg - lys - ile - thr - lys - met - met - asn - gly - lys - leu - ile - tyr - ser - trp - leu - lys - trp - pro - cys - gly - glu - phe -

... ir ddlA_iraP+



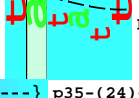
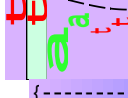
*400370 * *400380 * *400390 * *400400 * *400410 * *400420 * *400430 * *400440

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

- phe - phe - leu - leu - ile - ile - ser -

- phe - ser - leu - asn - tyr - lys - leu - thr - lys - arg - ile - tyr - phe - ile - thr - phe - ile - tyr - asn - lys - gly - -fMet - ile - ile - lys - ser - leu -

p35 1.9 bits p10 6.5 bits [###] orf 52 codons



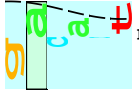
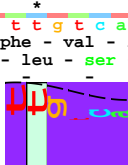
p35-(24)-p10 400395 Gap 2.4 bits
p35-p10 400395 total 6.0 bits

*400450 * *400460 * *400470 * *400480 * *400490 * *400500 * *400510 * *400520

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

- tyr - phe - val - trp - val - ile - ile - -fMet - gly - asn - tyr - leu - asn - lys - arg - asn - val - ser - leu - val - ile - lys - gln - lys - ile - phe - ala - gln - ser - ile - ser -

-fMet - cys - gly - - - -fMet - arg - lys - val - phe - pro -

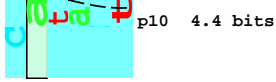


p35 5.5 bits

p10 1.8 bits

sd

p35-(23)-p10 400548 Gap 1.4 bits

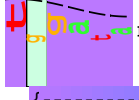


p10 4.4 bits ... sd(11)-ir 400610 Gap

p35-p10 400548 total 5.8 bits

... sd-ir 400610 ddlA_iraP+ t

p10 2.8 bits



p35 3.5 bits

p35-(25)-p10 400550 Gap 4.0 bits
p35-p10 400550 total 4.3 bits

... p35-(22)-p10 400614 Gap
... p35-p10 400614 total 5.0

p35 3.7 bits

