

piece 1, NC_000913, yfdY_lpxP-, config: linear, direction: -, begin: 2493696, end: 2493295

*2493690 *2493680 *2493670 *2493660 *2493650 *2493640 *2493630 *2493620

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

- leu - ala - gly - lys - phe - ala - leu - trp - lys - his - ser - tyr - leu - leu - fMet - val - thr - phe - cys - arg - tyr - glu - leu - leu - tyr - arg - arg - arg - phe - his - val - asp -

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

- arg - gly - lys - ile - cys - ile - val - glu - thr -

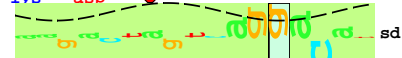
*2493610 *2493600 *2493590 *2493580 *2493570 *2493560 *2493550 *2493540

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

- fMet - val - gly - pro - ser - cys - thr - thr - met - val - pro - val - lys - ser - val - lys - thr - ser - gln - asp - ile - thr -

- ser - gly - thr - leu - asn - trp - leu - gly - his - his - val - arg - gln - trp - phe - leu - fMet -

- ala - val - his - ser - ile - gly - trp - ala - ile - met - tyr - asp - asn - gly - ser - cys - lys - glu - cys - lys - asp -



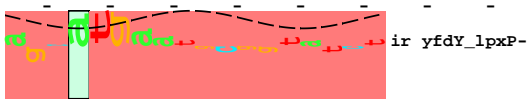
sd
... sd-(18)-ir 2493525 Gap
... sd-ir 2493525 yfdY_lpxP-
... sd

*2493530 *2493520 *2493510 *2493500 *2493490 *2493480 *2493470 *2493460

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

- thr - arg - ser - met - asn - ala - val - ser - val - leu - tyr - his - ser - leu - thr - ala - phe - ser - tyr - fMet - gln - ser - lys -

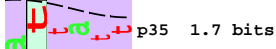
- fMet - arg - tyr - leu - tyr - phe - ile - thr - arg -



###> orf 10 codons

###> orf 17 codons

sd-(18)-ir 2493525 Gap 6.9 bits



p35 1.7 bits

sd-ir 2493525 yfdY_lpxP- total 6.4 bits

... p35-(22)-p10 2493452 Gap
... p35-p10 2493452 total 4.6



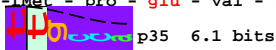
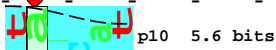
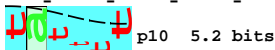
sd-(8)-ir 2493521 Gap 2.4 bits
sd-ir 2493521 yfdY_lpxP- total 7.5 bits

*2493450 *2493440 *2493430 *2493420 *2493410 *2493400 *2493390 *2493380

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

- tyr - phe - ser - val - his - asn - ser - leu - ala - phe - asn - met - leu - phe - ser - leu - met - leu - ser - lys - asn - cys - gln - arg - leu - arg - ile -

- fMet - his - leu - thr - cys - cys - phe - his - fMet - pro - glu - val - lys - asp - cys -



p35 4.3 bits

... p35-(23)-p10 2493367 Gap

p35-(22)-p10 2493452 Gap 2.3 bits
p35-p10 2493452 total 4.6 bits

... p35-p10 2493367 total 10.

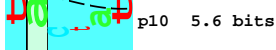
p35-(25)-p10 2493423 Gap 4.0 bits
p35-p10 2493423 total 5.8 bits

*2493370 *2493360 *2493350 *2493340 *2493330 *2493320 *2493310 *2493300

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

- val - leu - leu - leu - lys - fMet - val - thr - glu - val - thr - gly - phe - leu - ala - arg - gln - glu - val - glu - leu - fMet - asp - val -

- ser - tyr - tyr - fMet - ile - asn - leu - trp - met -



... NC_000913.yfdY

... -----} p35-(23)-p10 2493367 Gap 1.4 bits

... -----| p35-p10 2493367 total 10.3 bits

