

piece 1, NC\_000913, yfcZ\_fadL-, config: linear, direction: -, begin: 2459357, end: 2458937

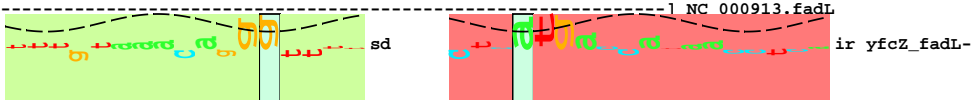
\*2459350 \* \*2459340 \* \*2459330 \* \*2459320 \* \*2459310 \* \*2459300 \* \*2459290 \* \*2459280

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

- arg - leu - cys - lys - gln - gly - phe - leu - ala - his - asp - his - asn - leu - asn - asp - leu - phe - leu - tyr - lys - leu - cys - tyr - val - leu -

- asp - phe - val - asn - arg - val - phe - trp - leu - met - thr - ile - thr - ser - met - ile - tyr - phe - tyr - thr - val - val - thr - cys - cys -

thr - leu - -fMet - leu - arg - ala - val - thr -



sd-(12)-ir 2459329 Gap 4.0 bits  
sd-ir 2459329 yfcZ\_fadL- total 8.3 bits

\*2459270 \* \*2459260 \* \*2459250 \* \*2459240 \* \*2459230 \* \*2459220 \* \*2459210 \* \*2459200

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

- arg - ser - ala - lys - cys - arg - val - -fMet - ala - arg - val - -fMet -

- gly - ala - arg - ser - val - gly - ser - glu - val - his - leu - arg - asn - gln - thr - ser - gly - glu - ser - ile - gly - arg - thr - ser - trp - asn - val -

###> orf 26 codons

p35 4.4 bits

... p35-(22)-p10 2459179 Gap  
... p35-p10 2459179 total 6.6

\*2459190 \* \*2459180 \* \*2459170 \* \*2459160 \* \*2459150 \* \*2459140 \* \*2459130 \* \*2459120 \*

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

- leu - gln - val - cys - phe - tyr - leu - phe - ser - asn - met - ile - -fMet - glu - val - ala - his - ser -

- ala - ser - met - phe - leu - ser - phe - phe - lys - tyr - asp - leu - arg - asn - ala - ile - gln - leu - ala - lys - phe - gly - gly - gly - ala - leu - met -

p35 6.1 bits p10 4.5 bits p10 6.4 bits

sd ... ir

p35-(22)-p10 2459179 Gap 2.3 bits  
p35-p10 2459179 total 6.6 bits

sd-(11)-ir 2459115 Gap 3.0 bit  
sd-ir 2459115 yfcZ\_fadL- total

p35 1.7 bits p10 2.5 bits

p35-(26)-p10 2459168 Gap 3.7 bits  
p35-p10 2459168 total 4.9 bits  
p35-(21)-p10 2459165 Gap 3.3 bits  
p35-p10 2459165 total 4.9 bits

\*2459110 \* \*2459100 \* \*2459090 \* \*2459080 \* \*2459070 \* \*2459060 \* \*2459050 \* \*2459040 \*

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

- trp - ile - arg - val - asn - phe - val - leu - asp - his - phe - -fMet -

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

ir yfcZ\_fadL- p35 2.5 bits

###> orf 25 codons

p10 3.7 bits ... p35

p35-(23)-p10 2459048 Gap 1.4 bits  
p35-p10 2459048 total 4.7 bits

... p35-(23)-p10 2459012 Gap  
... p35-p10 2459012 total 7.2

\*2459030 \* \*2459020 \* \*2459010 \* \*2459000 \* \*2458990 \* \*2458980 \* \*2458970 \* \*2458960 \*

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

-fMet - gly - ala - his - thr - glu - glu - ile - asn - asp - glu -

-fMet - his - ile - gln - arg - lys - ser - thr - met - ser -

p10 7.6 bits

sd [----- ... NC\_000913.yfcZ

... p35 1.1 bits

... p35-(23)-p10 2459012 Gap 1.4 bits  
... p35-p10 2459012 total 7.2 bits

\*2458950 \*2458940

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

- -fMet - -fMet - leu -

- lys - cys - ser - ala -

... NC\_000913.yfcZ

ir yfcZ\_fadL-

sd-(10)-ir 2458956 Gap 2.7 bits  
sd-ir 2458956 yfcZ\_fadL- total 12.9

... ir