

piece 1, NC_000913, glmU_atpC-, config: linear, direction: -, begin: 3913605, end: 3913204

*3913600 *3913590 *3913580 *3913570 *3913560 *3913550 *3913540 *3913530 *

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

- val - ile - glu - leu - thr - lys - lys - ala - met - -fMet - lys - ser - thr - lys - ala - ser - leu - glu - thr - gly - trp - leu - phe - phe - -fMet -

tyr - arg - val - asp - gln - lys - ser - asp - val - thr - pro - ala -

*3913520 *3913510 *3913500 *3913490 *3913480 *3913470 *3913460 *3913450 *

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

- ala - arg - val - thr - arg - pro - glu - -fMet - ile -

arg - val -

*3913440 *3913430 *3913420 *3913410 *3913400 *3913390 *3913380 *3913370 *

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

- glu - ile - arg - ala - lys - thr - ser - thr - -fMet - thr - met -

ir



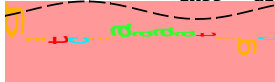
{-----} sd-(8)-ir 3913364 Gap 2.4 bits
 {-----} sd-ir 3913364 glmU_atpC- total 7

*3913360 *3913350 *3913340 *3913330 *3913320 *3913310 *3913300 *3913290 *

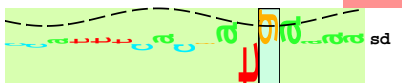
5' g g t c g a a a a t g g c g c t t t t c g t c a g c g g g g a t a a t c c g t t a t t g a a c a a t t t a t c c t c t g t c c a t t t t c a c g a t g a a a a a a a t 3'

- val - glu - asn - gly - ala - phe - val - ser - gly - asp - asn - pro - leu - leu - asn - asn - leu - ser - ser - val - his - phe - thr - met - lys - lys - met -

-fMet - ala - leu - ser - ser - ala - gly - ile - ile - arg - tyr -



ir



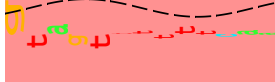
{-----} sd-(7)-ir 3913283 Gap 3.7 bits
 {-----} sd-ir 3913283 glmU_atpC- total 6

*3913280 *3913270 *3913260 *3913250 *3913240 *3913230 *3913220 *3913210 *

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

-fMet - lys - arg - phe - lys - phe - val - leu - lys - leu - gln - ser - gly - arg - -fMet - leu - asn - asn - ala - met -

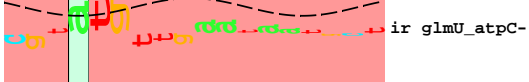
val - cys - -fMet - leu -



p10 5.7 bits

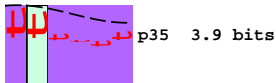


p35 2.4 bits



ir glmU_atpC-

orfs 29 codons



p35 3.9 bits

{-----} sd-(7)-ir 3913223 Gap 3.7 bits

{-----} p35-(21)-p10 3913255 Gap 3.3 bits

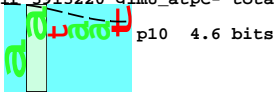
----- p35-p10 3913255 total 6.4 bits

----- sd-ir 3913223 glmU_atpC- total 7.4 bits



ir glmU_atpC-

{-----} sd-(10)-ir 3913220 Gap 2.7 bits
 {-----} sd-ir 3913220 glmU_atpC- total 6.8 bits



p10 4.6 bits

{	p35-(24)-p10 3913216 Gap 2.4 bits
}	p35-p10 3913216 total 4.6 bits