

piece 1, NC_000913, sroF_purL-, config: linear, direction: -, begin: 2689707, end: 2689343

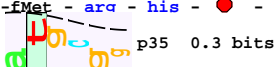
*2689700 *2689690 *2689680 *2689670 *2689660 *2689650 *2689640 *2689630

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

- phe - arg - asn - ala - arg - lys - gln - leu - gly - **●** - -fMet - val - leu - gln - pro - gly - cys - gly - ile - lys - his - gln - pro -

- ser - ala - met - arg - val - ser - ser - trp - gly - lys - ser - ser - ala - his - trp - phe - cys - ser - pro - asp - ala - ala - leu - ser - thr - asn - his -

- pro - gln - cys - ala - **●** - -fMet - arg - his - **●** - -



----- p35-(23)-p10 2689624 Gap
 ----- p35-p10 2689624 total 5.2

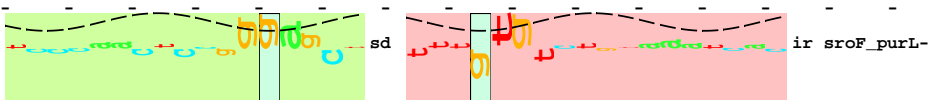
*2689620 *2689610 *2689600 *2689590 *2689580 *2689570 *2689560 *2689550

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

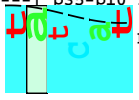
- leu - ser - **●** - -fMet - ser - val - asn - his - asp - asn - gly - trp - phe - ala - val - ser - leu - ser - gly -

- tyr - his - lys - leu - pro - thr - pro - gly - ala - phe - leu - cys - leu - **●** - -fMet - gly - gly - leu - pro - cys - arg - phe - leu - ala -

- -fMet - val - cys - arg - val - ala - phe - leu - trp - arg -



----- p35-(23)-p10 2689624 Gap 1.4 bits
 ----- p35-p10 2689624 total 5.2 bits
 ----- sd-(10)-ir 2689593 Gap 2.7 bits
 ----- sd-ir 2689593 sroF_purL- total 5.5 bits
 ----- p35-(22)-p10 2689526 Gap
 ----- p35-p10 2689526 total 4.3



----- p35-(24)-p10 2689524 Gap

----- p35-p10 2689524 total 6.0

*2689540 *2689530 *2689520 *2689510 *2689500 *2689490 *2689480 *2689470

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

- asp - thr - **●** - -fMet - ser - leu - phe - phe - ser - asp - thr - val - ala - asp - leu -

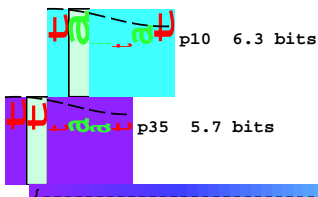
- thr - leu - asn - ser - leu - ile - leu - ile - leu - ser - asn - lys - phe - ile - leu - ser - cys - leu - phe - leu - ser - ala - thr - gln - trp - leu - ile - tyr -

- his - leu - thr - his - **●** - -



----- p35-(22)-p10 2689526 Gap 2.3 bits
 ----- p10 3.8 bits
 ----- p35-p10 2689526 total 4.3 bits
 ----- p35-(24)-p10 2689524 Gap 2.4 bits
 ----- p35-p10 2689524 total 6.0 bits
 ----- p35-(23)-p10 2689466 Gap 1.4 bit
 ----- p35-p10 2689466 total 4.0 bits
 ----- p35 3.8 bits
 ----- p35-(23)-p10 2689465 Gap 1.4 b

[###] orf 19 codons



----- p35-p10 2689465 total 7.4 bits

----- p35-(21)-p10 2689505 Gap 3.3 bits
 ----- p35-p10 2689505 total 6.8 bits
 ----- p35-(26)-p10 2689500 Gap 3.7 bits
 ----- p35-p10 2689500 total 5.8 bits
 ----- p35-(26)-p10 2689441 Gap
 ----- p35-p10 2689441 total 4.0

*2689460 *2689450 *2689440 *2689430 *2689420 *2689410 *2689400 *2689390

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

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

- ile - gln - thr - ala - glu - glu - thr - **●** - -fMet - ala - gln -

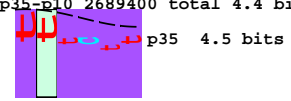


... p10 5.1 bits

- 2 -

{-----} p35-(22)-p10 2689400 Gap 2.3 bits

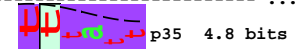
|-----| p35-p10 2689400 total 4.4 bits



... p35 5.5 bits

{-----} ... p35-(23)-p10 2689374 Gap

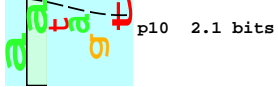
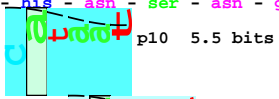
|-----| ... p35-p10 2689374 total 8.5



... p35-(26)-p10 2689441 Gap 3.7 bits
... p35-p10 2689441 total 4.0 bits

{-----} ... p35-(22)-p10 2689371 Gap
|-----| ... p35-p10 2689371 total 4.6

*2689380 * *2689370 * *2689360 * *2689350 *
5' a g t t a c t g c a t a a t a g t a a c c a g t g g c t c a t t c a c c g a c t t 3'
- ser - tyr - cys - ile - ile - val - thr - ser - gly - ser - phe - thr - asp -
- leu - leu - his - asn - ser - asn - gln - trp - leu - ile - his - arg - leu -



... p35-(23)-p10 2689374 Gap 1.4 bits
... p35-p10 2689374 total 8.5 bits

... p35-(22)-p10 2689371 Gap 2.3 bits
... p35-p10 2689371 total 4.6 bits