

piece 1, NC\_000913, dnaA\_rpmH+, config: linear, direction: +, begin: 3881723, end: 3882378

\* 3881730 \* 3881740 \* 3881750 \* 3881760 \* 3881770 \* 3881780 \* 3881790 \* 3881800

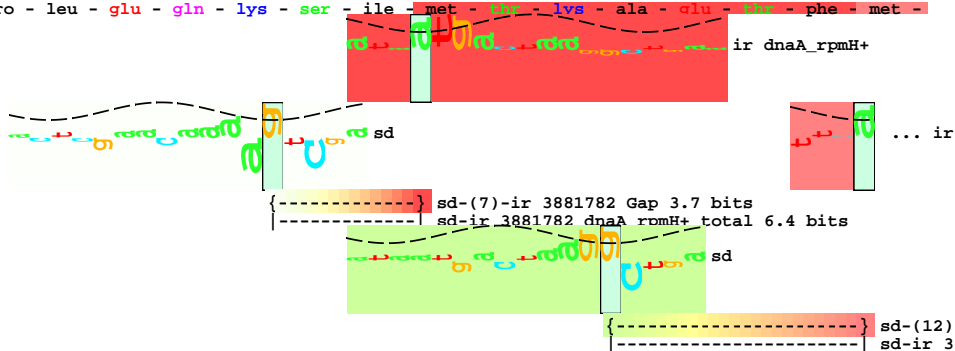
5' a a g a c a c t g c t g c c a a a g c g a a a g t g a c a c g g c c g a c t c c a c t c g a a c a a a g t o g a t a a t g a c t a a g g c t g a a a c a t t c a 3'

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

- arg - his - cys - cys - gln - ser - glu - ser - asp - thr - ala - asp - ser - thr - arg - thr - lys - val - asp - asn - asp - lys - ala - glu - thr - phe - met -

- asp - thr - ala - ala - lys - ala - lys - val - thr - arg - arg - thr - pro - leu - glu - gln - lys - ser - ile - met - thr - lys - ala - glu - thr - phe - met -

... ] NC\_000913.dnaA



\* 3881810 \* 3881820 \* 3881830 \* 3881840 \* 3881850 \* 3881860 \* 3881870 \* 3881880

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

- fMet - leu - thr - tyr - val - glu - lys - thr - leu - leu - glu - gly - asp - ala - arg - thr - ala - val - cys - gly - tyr - met - pro - asp - gln - asp -

- ile - val - asp - val - arg - arg - lys - asp - pro - ala - fMet - arg - val - thr - his - glu - pro - leu - ser - ala - val - ile - cys - pro - ile - lys - ile -

[###] orf 19 codons

... ir dnaA\_rpmH+

\* 3881890 \* 3881900 \* 3881910 \* 3881920 \* 3881930 \* 3881940 \* 3881950 \* 3881960 \*

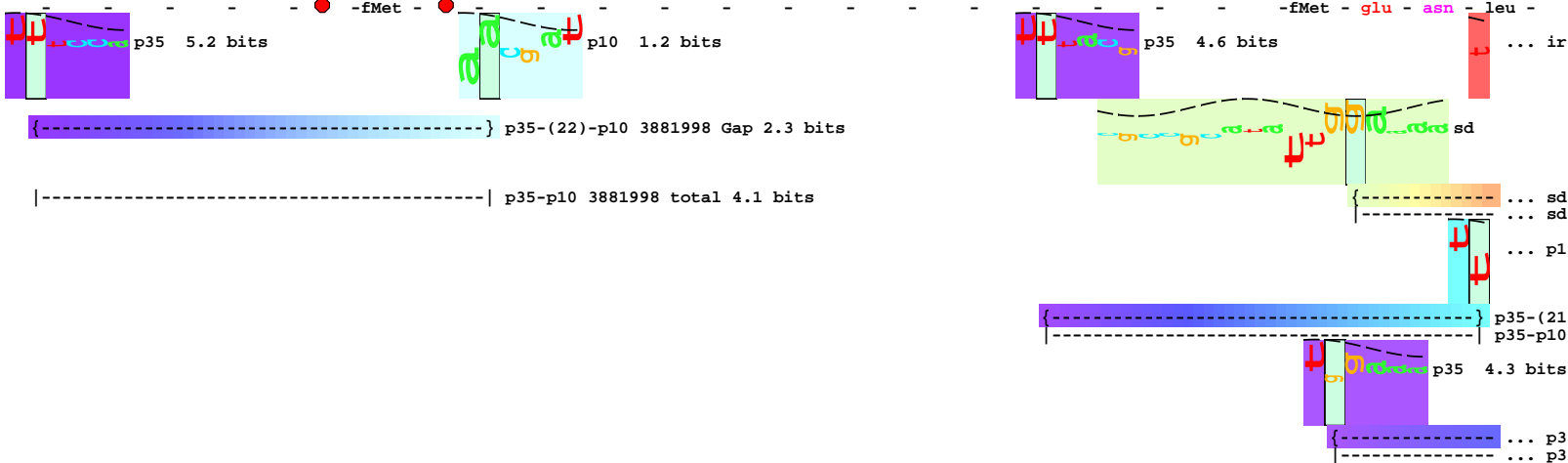
5' c c t g c a a a a c g a t c g g g a c c g c g g a t c a t a g c c t a a a c t g c g c a a g a g a t c t t c t g t t t c t c a c a g a t t t t c c c g a t t t a t 3'

- pro - ala - lys - arg - ser - gly - pro - arg - ile - ile - ala - fMet -

\* 3881970 \* 3881980 \* 3881990 \* 3882000 \* 3882010 \* 3882020 \* 3882030 \* 3882040 \*

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

- fMet - glu - asn - leu -



\* 3882050 \* 3882060 \* 3882070 \* 3882080 \* 3882090 \* 3882100 \* 3882110 \* 3882120 \*

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

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

... ir dnaA\_rpmH+

p35 2.8 bits

[#] ... orf

p10 3.8 bits

... p10

... sd-(9)-ir 3882049 Gap 2.3 bits  
sd-ir 3882049 dnaA\_rpmH+ total 9.0 bits

p35-(22)-p10 3882126 Gap 2.3 bit  
p35-p10 3882126 total 8.9 bits

p10 4.5 bits

p35-(23)-p10 3882062 Gap 1.4 bits  
p35-p10 3882062 total 6.7 bits

5' a a t c c t c c a a c c g g c g c g c c a t g c t g g t t t c c a c t g g t g t g a g g t c g t a c a t t t t c c c t g c g a a a a g g t g c g g a a a g c g c 3'  
-fMet - leu - val - ser - thr - gly - val - arg - ser - tyr - ile - phe - pro - ala - lys - arg - cys - gly - lys - ala - arg -

orf 27 codons

p35 2.7 bits

p10 5.1 bits

p10 8.4 bits

p35-(23)-p10 3882176 Gap 1.4 bits

p35-p10 3882176 total 6.3 bits

p35 5.2 bits

p10 2.3 bits

p35-(22)-p10 3882178 Gap 2.3 bits  
p35-p10 3882178 total 5.2 bits

5' g g t a a a t a a g g a a a g a g a a t t g a c t c c g g a g t g t a c a a t t a t t a c a a t c c g g c c t t t a a t c a c c c a t g g c t t c g g t g t c 3'  
- val - asn - lys - glu - arg - glu - leu - thr - pro - glu - cys - thr - ile - ile - thr - ile - arg - pro - leu - -fMet - ala - ser - val - ser -

p35 1.2 bits

p10 6.9 bits

p35-(25)-p10 3882243 Gap 4.0 bits  
p35-p10 3882243 total 4.2 bits

p35 6.5 bits

p10 6.9 bits

p35-(23)-p10 3882252 Gap 1.4 bits  
p35-p10 3882252 total 12.0 bits

5' c a t c g t t t c a t t t t t c g g c g g a t a t c c a a t a a a g c c a t t g a a t t t a t t c a a g t t t a g g t a g a a a t c g c c a t g a a a c g c a c t 3'  
- his - arg - phe - ile - phe - arg - arg - ile - ser - asn - lys - ala - ile - glu - phe - ile - gln - val - -fMet - lys - arg - thr -



sd [-----] ... NC\_000913.rpmH



... ir

5' t t t c a a c c 3'  
- phe - gln -  
... - - -  
... NC\_000913.rpmH  
... ir dnaA\_rpmH+

{-----} sd-(12)-ir 3882359 Gap 4.0 bits  
|-----| sd-ir 3882359 dnaA\_rpmH+ total 7.4 bits