

piece 1, NC\_000913, ulaG\_ulaA-, config: linear, direction: -, begin: 4418032, end: 4417629

\*4418030 \*      \*4418020 \*      \*4418010 \*      \*4418000 \*      \*4417990 \*      \*4417980 \*      \*4417970 \*      \*4417960 \*

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

- his - gly - lys - asp - val - val - glu - asp - leu - his - asn - asp - leu - leu - lys - lys - arg - fMet - leu -

thr - val - lys - met - leu -

arg -

NC\_000913.ulaA

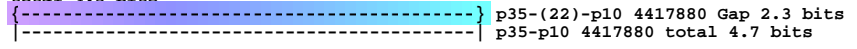
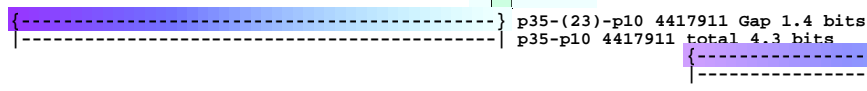
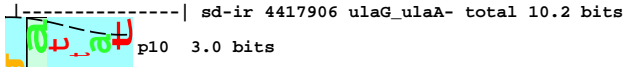
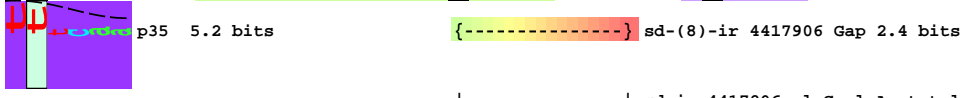
\*4417950 \*      \*4417940 \*      \*4417930 \*      \*4417920 \*      \*4417910 \*      \*4417900 \*      \*4417890 \*      \*4417880 \*

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

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

- cys - thr - his - ser - asn - phe - gln - lys - fMet - thr - arg - pro - ala - asn - asn - ser - thr -

ir ulaG\_ulaA- orf 10 codons

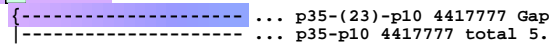
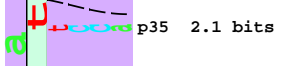
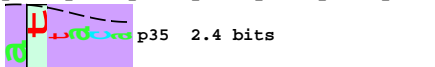


\*4417870 \*      \*4417860 \*      \*4417850 \*      \*4417840 \*      \*4417830 \*      \*4417820 \*      \*4417810 \*      \*4417800 \*      \*4417790 \*

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

-fMet - asp - arg - val - gly - phe - thr - gln - arg - asn - asn - tyr - pro - phe - lys - phe - ile - fMet - asn - tyr - thr - phe - his -

- trp - ile - glu - trp - asp - ser - his - asn - glu - thr - ile - ile - his - leu - asn - ser - phe - ser -

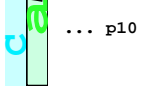
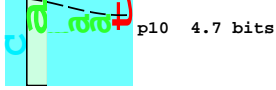
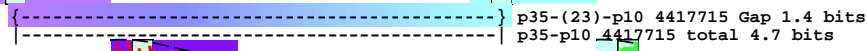
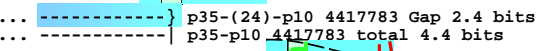
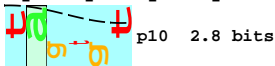
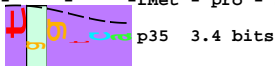
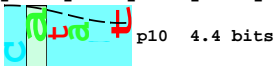


\*4417780 \*      \*4417770 \*      \*4417760 \*      \*4417750 \*      \*4417740 \*      \*4417730 \*      \*4417720 \*      \*4417710 \*

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

-fMet - val - ile - ala - phe - leu - lys - lys - fMet - ser -

-fMet - pro - ser -

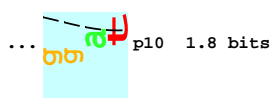
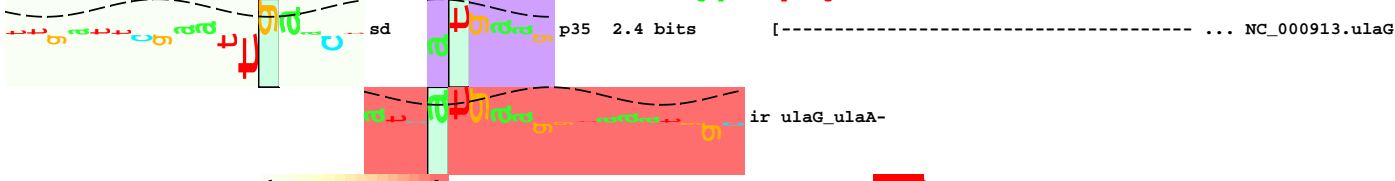


... p35-(23)-p10 4417777 Gap 1.4 bits  
... p35-p10 4417777 total 5.4 bits

... p35-(23)-p10 4417709 Gap 1.4 bits  
... p35-p10 4417709 total 6.5 bits

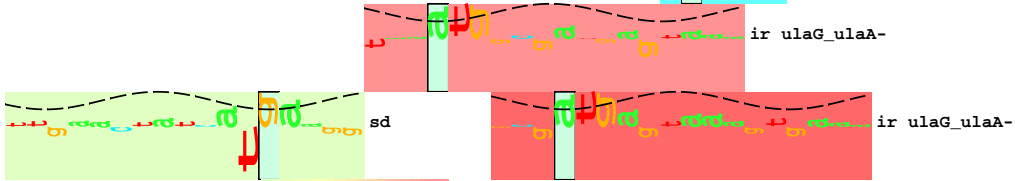
\*4417700 \*4417690 \*4417680 \*4417670 \*4417660 \*4417650 \*4417640 \*4417630

5' ggattaatcaaaaccatcacatattgattcgaattgaactatcatgaagggtaaatggcgatgagtaaaagtgaaaagtat3'  
- gly - leu - ile - lys - thr - asn - his - ile - leu - ile - arg - ile - glu - leu - ser - fMet - ala - met - ser - lys - val - lys - ser -



{-----} sd-(8)-ir 4417664 Gap 2.4 bits  
|-----| sd-ir 4417664 ulaG\_ulaA- total 6.0 bits

[###> orf 8 codons  
p10 5.1 bits



{-----} sd-(8)-ir 4417654 Gap 2.4 bits  
sd-ir 4417654 ulaG\_ulaA- total 6.6 bits

sd

{-----} sd-(10)-ir 4417648 Gap 2.7 bits  
sd-ir 4417648 ulaG\_ulaA- total 13.0 bits

{-----} p35-(21)-p10 4417642 Gap 3.3 bits  
p35-p10 4417642 total 4.2 bits