

piece 1, NC\_000913, bioD\_uvrB-, config: linear, direction: -, begin: 812778, end: 812151

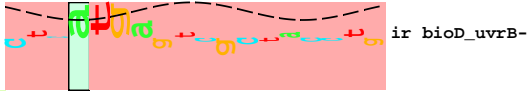
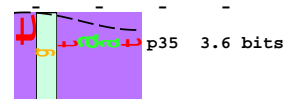
5' <sup>\*</sup> a g c g g a a t t c a g t t t g a a c g g t t t a c t c a t g a g t c g c t a c c t g a a g g a g t t g g g c g g c a g g t a t g t a a t t t t a c t c g t c g 3'

- ser - gly - ile - gln - phe - glu - arg - phe - thr - his - glu - ser - leu - pro - glu - gly - val - gly - arg - ala - gly - met -

- ala - glu - phe - ser - leu - asn - gly - leu - leu - met - ser - arg - tyr - leu - lys - glu - leu - gly - gly - gln - val - cys - asn - phe - thr - arg - arg -

- arg - asn - ser - val -

...-----] NC\_000913.uvrB



{-----} ... p35-(22)-p10 812691 Gap



|-----} ... p35-p10 812691 total 4.5

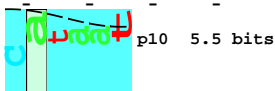
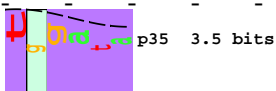
{-----} sd-(8)-ir 812750 Gap 2.4 bits  
 {-----} sd-ir 812750 bioD\_uvrB- total 5.5 bits

5' <sup>\*</sup> t a c t t a a t t a t g c c a a c a a a t t a t a c t g g a t a a a a a a a c a g t t c a t c a c c a t a a t a t t t t c t g a t a c a g c g t a a a c t c c g c t 3'

- thr -

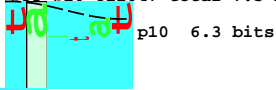
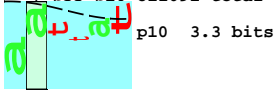
-fMet - pro - thr - asn - tyr - thr - gly -

[###] orf 20 codons



{-----} p35-(22)-p10 812691 Gap 2.3 bits  
 {-----} p35-p10 812691 total 4.5 bits

{-----} p35-(23)-p10 812647 Gap 1.4 bits  
 {-----} p35-p10 812647 total 7.5 bits



{-----} p35-(25)-p10 812645 Gap 4.0 bits  
 {-----} p35-p10 812645 total 5.8 bits

5' <sup>\*</sup> g t c a a t c a t g a g c a a a a t t t a c t c t g t g g c g a g a t a a a a a c t c c g g c c t t a c c g g g t t a t c c c c a a a g c a a c g g c t t t t t t a 3'

-fMet - ser - lys - ile - tyr - ser - val - ala - arg -

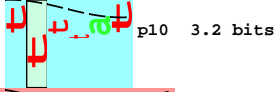
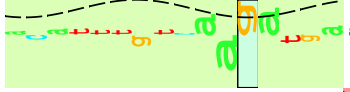
... sd

5' <sup>\*</sup> a c a t t t g t c a a g a t g a g t g a t g a c a g t t t t a t g g c a a g a g a t g c c t g t t c a g t g a c t g c a t t g c a t t t a t c t a a c c a g t t 3'

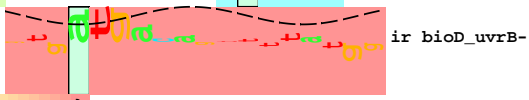
-fMet - ser - arg -fMet - ser - asp - asp - ser - phe - met - ala - arg - asp - ala - cys - ser - val - thr - ala - ile - ala - phe - ile -

-fMet - met - thr - val - leu - trp - gln - glu - met - pro - val - gln -

-fMet - his - leu - ser - asn - gln - leu -



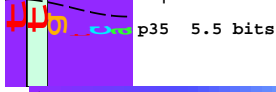
[###] orf 12 codons {-----} ... p35-(21)-p10 812452 Gap



{-----} sd-(8)-ir 812516 Gap 2.4 bits  
 {-----} sd-ir 812516 bioD\_uvrB- total 7.0 bits

{-----} ... p35-p10 812452 total 6.7

{-----} ... p35-(26)-p10 812447 Gap



|-----} ... p35-p10 812447 total 5.0

{-----} p35-(22)-p10 812508 Gap 2.3 bits  
 {-----} p35-p10 812508 total 6.4 bits

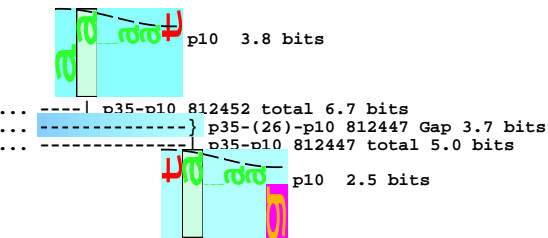
\*812450 \* \*812440 \* \*812430 \* \*812420 \* \*812410 \* \*812400 \* \*812390 \* \*812380 \*

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

- lys - asn - lys - arg - tyr - phe - phe - glu - pro - ser - leu - thr - pro - ile - arg - val - gln - ala - ala - tyr - ser - leu - ala - cys - leu - val - phe -

-fMet - ser - arg - leu -

... p35-(21)-p10 812452 Gap 3.3 bits



... p35-(21)-p10 812363 Gap

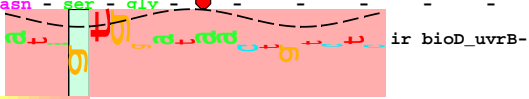
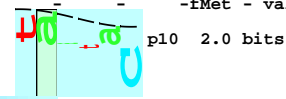
... p35-p10 812363 total 4.9

\*812370 \* \*812360 \* \*812350 \* \*812340 \* \*812330 \* \*812320 \* \*812310 \* \*812300 \*

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

- phe - ser - asn - ser - asn - thr - his - gly - tyr - pro - gln - glu -fMet - asp - asn - cys - leu - gln - pro - leu - ser - pro - ala - ala - trp - ala - ile -

-fMet - val - ile - his - arg - asn - ser - gly -

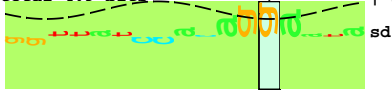


... p35-(21)-p10 812363 Gap 3.3 bits

... p35-p10 812363 total 4.9 bits

sd(5)-ir 812337 Gap 5.4 bits

sd-ir 812337 bioD\_uvrB- total 6.7 bits



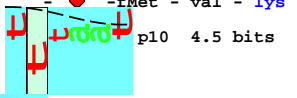
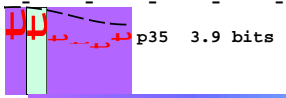
\*812290 \* \*812280 \* \*812270 \* \*812260 \* \*812250 \* \*812240 \* \*812230 \* \*812220 \*

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

- pro - thr - phe - ala - ala -fMet - arg - arg - lys -fMet - ile - ile - leu - glu - phe - asn - trp - leu - asn - cys - ser - gln - ser -

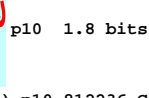
-fMet - val - lys - leu - gln - ser - ile - glu -

[###> orf 21 codons



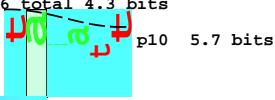
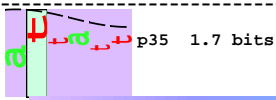
p35-(23)-p10 812237 Gap 1.4 bits

p35-p10 812237 total 7.0 bits



p35-(23)-p10 812236 Gap 1.4 bits

p35-p10 812236 total 4.3 bits



p35-(22)-p10 812227 Gap 2.3 bits

p35-p10 812227 total 5.1 bits

\*812210 \* \*812200 \* \*812190 \* \*812180 \* \*812170 \* \*812160 \*

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

- lys - thr - arg - ser - arg - ser - gln - phe - asn - gln - ile - gln - asn - gly - tyr - asn - lys - ala - arg - phe -

-fMet - ala - thr - thr - arg - gln - gly - leu -

- asp - ala - ile - ser - leu - ala - ile -