

piece 1, NC\_000913, frdA\_poxA+, config: linear, direction: +, begin: 4380312, end: 4380685

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

- **asn - gly - lys - ile - gly - leu - lys - gly - leu - his - asp - ile - pro - pro - asp - cys - phe - tyr - pro - thr - ala - thr - tyr - phe - arg - val - ser -**

- **met - ala - arg - ser - ala** ●

- **trp - gln - asp - arg - leu - glu - arg - phe - ala - arg - his - ser - ser - arg - leu - phe - leu - ser - his - ser - his - val - leu - gln - gly - lys - tyr** ●

NC\_000913.frdA p10 1.8 bits



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

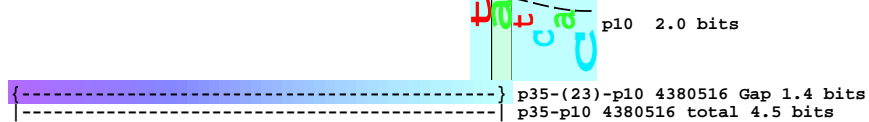
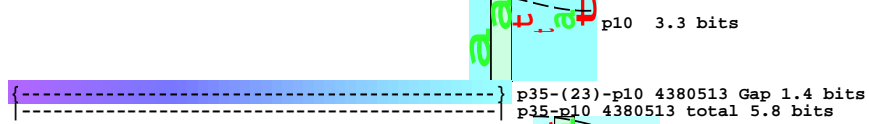
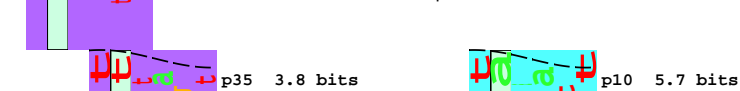
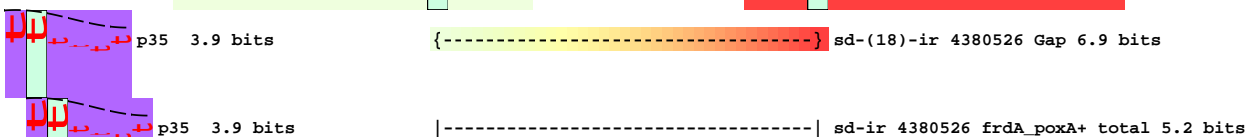
- **thr** ●

- **leu - lys - val - thr - val - cys - glu - arg - tyr - ser - thr - ala - pro - leu** ●

- **-fMet - asp - lys - ser - glu - ile** ●

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

- **fMet - thr - arg - ser - ile - phe - leu - val - arg - lys - arg - ala - lys - leu - ser - leu - lys - met - ile - val - leu - ile - thr - lys - pro - ser - asp** ●

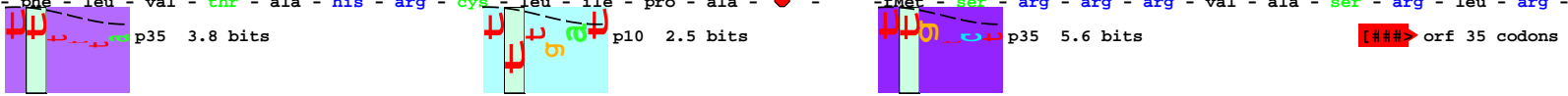


5' **t c g t g c t t t t t t t a g t c a c t g c c c a c c g c t g t t t t g a t t c c t g c g t a a a a t t t g t c t c g c c g t c g c g t t g c g a g t a g a c t t c** 3'

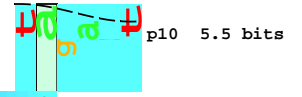
- **arg - ala - phe - phe - ser - his - cys - pro - pro - leu - phe - asp - ser - cys - val - lys - phe - val - ser - pro - ser - arg - cys - glu** ●

- **-fMet - leu - phe - leu - val - thr - ala - his - arg - cys - leu - ile - pro - ala** ●

- **-fMet - ser - arg - arg - arg - arg - val - ala - ser - arg - leu - arg** ●



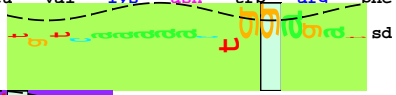
{-----} p35-(23)-p10 4380587 Gap 1.4 bits



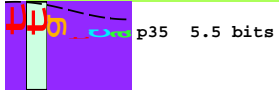
|-----| p35-p10 4380587 total 4.9 bits

{-----} p35-(23)-p10 4380629 Gap 1.4 bits  
|-----| p35-p10 4380629 total 9.6 bits

\*4380640 \* \*4380650 \* \*4380660 \* \*4380670 \* \*4380680 \*  
5' g t g c c c t t g t c a a a a a c t g g a g a t t t a a c t a t g a g c g a a a c g g c a t c c t g 3'  
- val - pro - leu - ser - lys - thr - gly - asp - leu - thr - met - ser - glu - thr - ala - ser -  
- ala - leu - val - lys - asn - trp - arg - phe - asn - tyr - glu - arg - asn - gly - ile - leu -



[-----] ... NC\_000913.poxA



{-----} sd-(11)-ir 4380666 Gap 3.0 bits [###] ... orf  
|-----| sd-ir 4380666 frdA\_poxA+ total 12.9 bits

p10 1.4 bits

{-----} p35-(23)-p10 4380666 Gap 1.4 bits  
|-----| p35-p10 4380666 total 5.4 bits