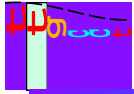
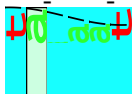


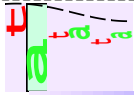
piece 1, NC\_000913, hdeA\_hdeD-, config: linear, direction: -, begin: 3655047, end: 3654744

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

- <sup>\*</sup>gln - <sup>\*</sup>asn - <sup>\*</sup>cys - <sup>\*</sup>cys - leu - ile - <sup>\*</sup>tyr - ile - <sup>\*</sup>lys - ile - val - ala - leu - <sup>\*</sup>ser - ile - <sup>\*</sup>tyr - <sup>\*</sup>asn - ile - <sup>\*</sup>glu - pro - pro - <sup>\*</sup>tyr - <sup>\*</sup>lys - ile - <sup>\*</sup>lys - <sup>\*</sup>lys - <sup>\*</sup>lys - ile - pro - <sup>\*</sup>cys - <sup>\*</sup>tyr - <sup>\*</sup>gln - <sup>\*</sup>ser - met - pro - <sup>\*</sup>lys - leu - leu - pro - <sup>\*</sup>tyr - leu - <sup>\*</sup>tyr - ile - <sup>\*</sup>thr



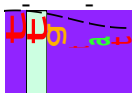
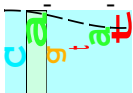
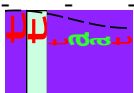
p35-(21)-p10 3655017 Gap 3.3 bits  
p35-p10 3655017 total 5.1 bits



p35-(22)-p10 3655004 Gap 2.3 bits  
p35-p10 3655004 total 5.9 bits

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

- <sup>\*</sup>lys - <sup>\*</sup>thr - <sup>\*</sup>arg - leu - <sup>\*</sup>arg - met - <sup>\*</sup>gln - <sup>\*</sup>ser - ile - <sup>\*</sup>fMet - <sup>\*</sup>gln - <sup>\*</sup>tyr - leu - met - <sup>\*</sup>his - leu - <sup>\*</sup>fMet - <sup>\*</sup>tyr - <sup>\*</sup>fMet



p35-(22)-p10 3654917 Gap 2.3 bits  
p35-p10 3654917 total 5.7 bits

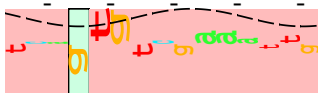
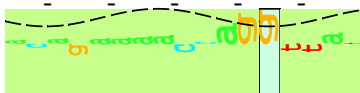
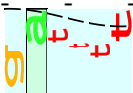
p35-(22)-p10 3654870 Gap  
p35-p10 3654870 total 4.5  
p35-(25)-p10 3654867 Gap  
p35-p10 3654867 total 4.2



p35-(23)-p10 3654864 Gap  
p35-p10 3654864 total 7.4  
p35-(25)-p10 3654862 Gap  
p35-p10 3654862 total 7.6

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

- <sup>\*</sup>lys - <sup>\*</sup>fMet - ile - phe - <sup>\*</sup>ser - ile - <sup>\*</sup>asn - met - <sup>\*</sup>thr - <sup>\*</sup>tyr - <sup>\*</sup>thr - <sup>\*</sup>glu - <sup>\*</sup>asn - <sup>\*</sup>gln - val - ile - <sup>\*</sup>thr - <sup>\*</sup>ser - val - <sup>\*</sup>ser - <sup>\*</sup>lys - leu - <sup>\*</sup>lys



p35-(22)-p10 3654870 Gap 2.3 bits

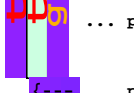
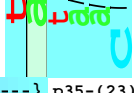
p35 3.3 bits

sd-(12)-ir 3654816 Gap 4.0 bits

p35-p10 3654870 total 4.5 bits

sd-ir 3654816 hdeA\_hdeD- total 5.5 bits

p35-(25)-p10 3654867 Gap 4.0 bits



p35-p10 3654867 total 4.2 bits

p35-(23)-p10 3654825 Gap 1.4 bits

p35-(25)-p10 3654781 total 7.6

p35 6.4 bits

p10 2.5 bits

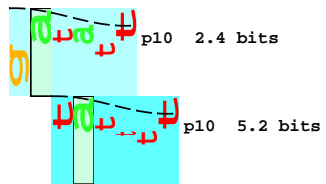
p35-p10 3654825 total 6.0 bits

p35-(23)-p10 3654864 Gap 1.4 bits

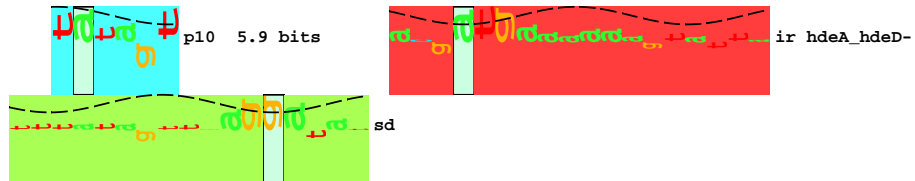
p35-p10 3654864 total 7.4 bits

p35-(25)-p10 3654862 Gap 4.0 bits

p35-p10 3654862 total 7.6 bits



5' <sup>\*3654800 \*</sup> a t t c g t g a c g g c t c t t t c a c t t t a t a t a g t t g a g g a t a t t a c g a t g a a a a a a g t a t t a g g c g t 3'  
 - ile - arg - asp - gly - ser - phe - thr - leu - fMet - arg - ile - leu - arg - fMet - lys - lys - val - leu - gly -  
 - fMet - thr - ala - leu - ser - leu - tyr - ser - fMet - lys - lys - val - leu - gly -  
 ... ir hdeA\_hdeD- [###> orf 13 codons [----- ... NC\_000913.hdeA



... p35 5.7 bits p35 3.8 bits {-----} sd-(9)-ir 3654763 Gap 2.3 bits  
 ... p35-(25)-p10 3654781 Gap 4.0 bits  
 ... p35-p10 3654781 total 7.6 bits

