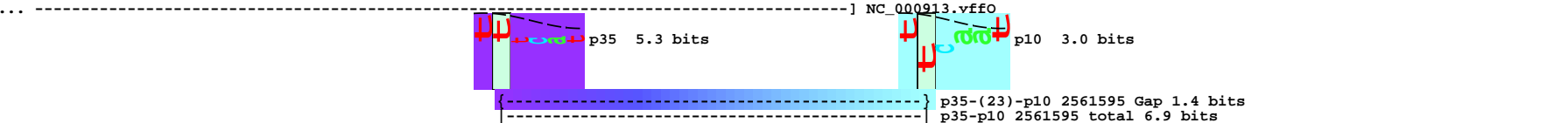
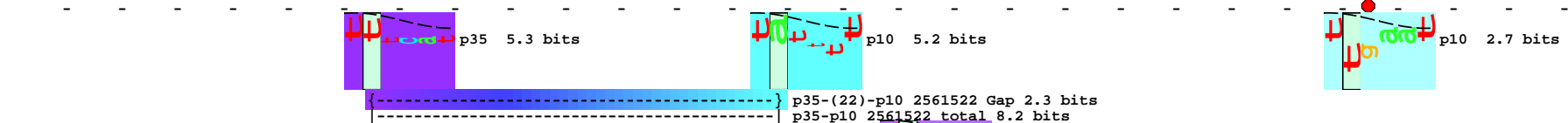


piece 1, NC\_000913, yffP\_yffQ-, config: linear, direction: -, begin: 2561643, end: 2561120

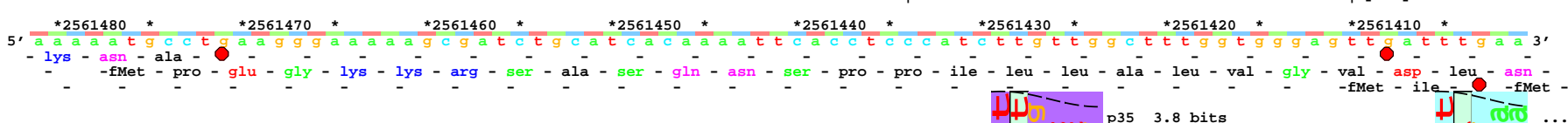
5' <sup>\*2561640 \*</sup> <sup>\*2561630 \*</sup> <sup>\*2561620 \*</sup> <sup>\*2561610 \*</sup> <sup>\*2561600 \*</sup> <sup>\*2561590 \*</sup> <sup>\*2561580 \*</sup> <sup>\*2561570 \*</sup>  
 c a t c a g g a t g a t t g c g a t t a a a g t t t c a t g g c g t c c t c c t t c a c a g t t c a a t a c a g c a a a c c a a c a t t a c c a t c a c c a g t 3'  
 - his - gln - asp - asp - cys - asp -  
 - ile - arg - met - ile - ala - ile - lys - ser - phe - met - ala - ser - ser - phe - thr - val - gln - tyr - ser - lys - pro - thr - leu - pro - ser - pro - val -  
 - ser - gly - -fMet - arg - leu - lys - val - ser - trp - arg - pro - pro - ser - gln - phe - asn - thr - ala - asn - gln - his - tyr - his - his - gln -



5' <sup>\*2561560 \*</sup> <sup>\*2561550 \*</sup> <sup>\*2561540 \*</sup> <sup>\*2561530 \*</sup> <sup>\*2561520 \*</sup> <sup>\*2561510 \*</sup> <sup>\*2561500 \*</sup> <sup>\*2561490 \*</sup>  
 a a a g c c a c t t t c c c a c c g t t t c a t t t t t a c c t c c c a t c t t t a t t t t g t t g t t g g g a a c t g c c t t t c g t t g a t t g a a t t a a a c 3'  
 - lys - pro - leu - pro - thr - val - ser - phe - leu - pro - pro - ile - phe - ile - leu - leu - leu - gly - thr - ala - phe - arg - -fMet - ile - glu - leu - asn -



5' <sup>\*2561480 \*</sup> <sup>\*2561470 \*</sup> <sup>\*2561460 \*</sup> <sup>\*2561450 \*</sup> <sup>\*2561440 \*</sup> <sup>\*2561430 \*</sup> <sup>\*2561420 \*</sup> <sup>\*2561410 \*</sup>  
 a a a a a t g c c t g a a g g g a a a a a g c g a t c t g c a t c a c a a a a t t c a c c t c c c a t c t t g t t g g c t t t g g t g g g a g t t g a t t t g a a 3'  
 - lys - asn - ala - -fMet - pro - glu - gly - lys - lys - arg - ser - ala - ser - gln - asn - ser - pro - pro - ile - leu - leu - ala - leu - val - gly - val - asp - leu - asn -  
 - -fMet - ile - -fMet -



5' <sup>\*2561480 \*</sup> <sup>\*2561470 \*</sup> <sup>\*2561460 \*</sup> <sup>\*2561450 \*</sup> <sup>\*2561440 \*</sup> <sup>\*2561430 \*</sup> <sup>\*2561420 \*</sup> <sup>\*2561410 \*</sup>  
 a a a a a t g c c t g a a g g g a a a a a g c g a t c t g c a t c a c a a a a t t c a c c t c c c a t c t t g t t g g c t t t g g t g g g a g t t g a t t t g a a 3'  
 - lys - asn - ala - -fMet - pro - glu - gly - lys - lys - arg - ser - ala - ser - gln - asn - ser - pro - pro - ile - leu - leu - ala - leu - val - gly - val - asp - leu - asn -  
 - -fMet - ile - -fMet -



5' <sup>\*2561400 \*</sup> <sup>\*2561390 \*</sup> <sup>\*2561380 \*</sup> <sup>\*2561370 \*</sup> <sup>\*2561360 \*</sup> <sup>\*2561350 \*</sup> <sup>\*2561340 \*</sup> <sup>\*2561330 \*</sup> <sup>\*2561320 \*</sup>  
 t g t t c a g a a a t t a a t c a a t t g t g c a a c g t c g g c g g c c a t c a g t c t c c c a c c t g a a a a c g g a a a g a t g g g t g a t a t a a t g t c 3'  
 - val - gln - lys - leu - ile - -fMet - cys - asn - val - gly - gly - his - gln - ser - pro - thr -  
 - phe - arg - asn - -fMet - gln - arg - arg - arg - pro - ser - val - ser - his - leu - lys - thr - glu - arg - trp - val - ile - met - gly - asp - ile - met - ser -



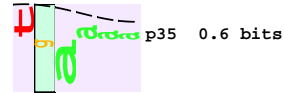
5' <sup>\*2561400 \*</sup> <sup>\*2561390 \*</sup> <sup>\*2561380 \*</sup> <sup>\*2561370 \*</sup> <sup>\*2561360 \*</sup> <sup>\*2561350 \*</sup> <sup>\*2561340 \*</sup> <sup>\*2561330 \*</sup> <sup>\*2561320 \*</sup>  
 t g t t c a g a a a t t a a t c a a t t g t g c a a c g t c g g c g g c c a t c a g t c t c c c a c c t g a a a a c g g a a a g a t g g g t g a t a t a a t g t c 3'  
 - val - gln - lys - leu - ile - -fMet - cys - asn - val - gly - gly - his - gln - ser - pro - thr -  
 - phe - arg - asn - -fMet - gln - arg - arg - arg - pro - ser - val - ser - his - leu - lys - thr - glu - arg - trp - val - ile - met - gly - asp - ile - met - ser -



5' <sup>\*2561400 \*</sup> <sup>\*2561390 \*</sup> <sup>\*2561380 \*</sup> <sup>\*2561370 \*</sup> <sup>\*2561360 \*</sup> <sup>\*2561350 \*</sup> <sup>\*2561340 \*</sup> <sup>\*2561330 \*</sup> <sup>\*2561320 \*</sup>  
 t g t t c a g a a a t t a a t c a a t t g t g c a a c g t c g g c g g c c a t c a g t c t c c c a c c t g a a a a c g g a a a g a t g g g t g a t a t a a t g t c 3'  
 - val - gln - lys - leu - ile - -fMet - cys - asn - val - gly - gly - his - gln - ser - pro - thr -  
 - phe - arg - asn - -fMet - gln - arg - arg - arg - pro - ser - val - ser - his - leu - lys - thr - glu - arg - trp - val - ile - met - gly - asp - ile - met - ser -



... -----| p35-p10 2561383 total 4.0 bits



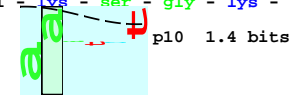
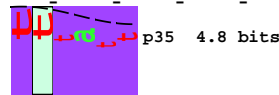
{-----} sd-(8)-ir 2561324 Gap 2.4 bits

-----| sd-ir 2561324 yffP\_yffQ- total 5.5 bit  
p10 8.4 bits

-----| p35-(21)-p10 2561327 Gap 3.3 bits  
-----| p35-p10 2561327 total 5.6 bits

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

###> orf 18 codons

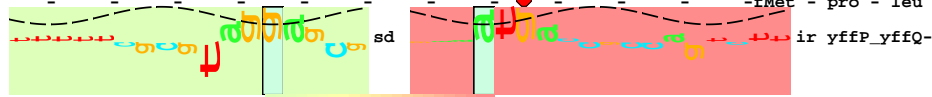


... ir yffP\_yffQ-

-----| p35-(23)-p10 2561247 Gap 1.4 bits

-----| p35-p10 2561247 total 4.8 bits

5' *a a t t t g c a g g g t a g t t g t g a g g g a t t t t t c g c g t a g g a g c g g g g a a a t g a c c g c c a g t c t t g c c g c t g a c g t c g g c t a c g c 3'*  
 - fMet - gln - gly - ser - cys - glu - gly - phe - phe - ala - met - thr - ala - ser - leu - ala - ala - asp - val - gly - tyr - ala -  
 - ile - cys - arg - val - val - val - arg - asp - phe - ser - arg - arg - ser - gly - glu - met - thr - ala - ser - leu - ala - ala - asp - val - gly - tyr - ala -  
 - phe - ala - gly - fMet -



-----| sd-(10)-ir 2561192 Gap 2.7 bits  
-----| sd-ir 2561192 yffP\_yffQ- total 7.0 bits

5' *g c g c g t t t g t c c g a a a a t t c a g t t g a t t t g c t c c g g t g 3'*  
 - fMet - ser - glu - asn - ser - val - asp - leu - leu - arg -  
 - arg - val - cys - pro - lys - ile - gln - leu - ile - cys - ser - gly -  
 - ala - phe - val - arg - lys - phe - ser - fMet -

<----- ... NC\_000913.yffP