

piece 1, NC\_000913, ydeK\_lsrK-, config: linear, direction: -, begin: 1596670, end: 1596091

\*1596670 \* \*1596660 \* \*1596650 \* \*1596640 \* \*1596630 \* \*1596620 \* \*1596610 \* \*1596600 \* \*1596590

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

- thr - ser - leu - trp - lys - ala - pro - gly - leu - fMet - ser - ile -

- arg - arg - tyr - gly - lys - arg - leu - gly - tyr - ser - phe - ile - asp - ser - his - ile - met - met - thr - val - ala - val - ser - phe -

- val - val - met - glu - ser - ala - trp - val - ile - val - ser - leu - thr - ala - thr - ser -

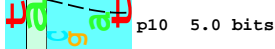
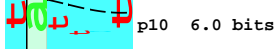


... p35-(24)-p10 1596586 Gap  
 ... p35-p10 1596586 total 5.8

\*1596580 \* \*1596570 \* \*1596560 \* \*1596550 \* \*1596540 \* \*1596530 \* \*1596520 \* \*1596510

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

- val - ile - leu - ile - ser - leu - leu - leu - glu - leu - ala - cys - fMet - leu - lys - ala - ser - leu - gln - ile - his - arg - ser - ile - thr - ser - thr - ile - phe -



... p35-(24)-p10 1596586 Gap 2.4 bits  
 ... p35-p10 1596586 total 5.8 bits

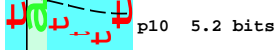
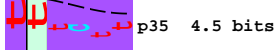
... p35-(26)-p10 1596515 Gap 3.7 bits  
 ... p35-p10 1596515 total 6.5 bits

\*1596500 \* \*1596490 \* \*1596480 \* \*1596470 \* \*1596460 \* \*1596450 \* \*1596440 \* \*1596430

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

- lys - gly - lys - leu - leu - phe - phe - leu - lys - his - fMet - asp -

- fMet -



p35-(26)-p10 1596462 Gap 3.7 bits  
 p35-p10 1596462 total 6.0 bits

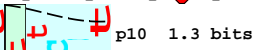
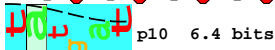
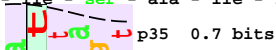
sd-(7)-ir 1596432 Gap 3.7 bits  
 sd-ir 1596432 ydeK\_lsrK- total 5.3 bits

\*1596420 \* \*1596410 \* \*1596400 \* \*1596390 \* \*1596380 \* \*1596370 \* \*1596360 \* \*1596350

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

- ala - lys - gly - val - fMet - leu - phe - phe - val - lys - tyr - asp - asp - asp - asn - phe - pro - ile -

- gln - lys - gly - phe - asn - lys - leu - arg - phe - leu - ala - ile - ser - ala - ile - leu - cys - fMet - leu - asn - met - met - met - ile - ile - phe - leu - leu -



### orf 7 codons

p35-(22)-p10 1596369 Gap 2.3 bits  
 p35-p10 1596369 total 4.9 bits



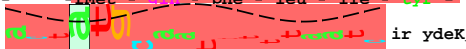
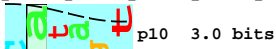
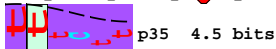
p35-(23)-p10 1596354 Gap 1.4 bits  
 p35-p10 1596354 total 4.6 bits

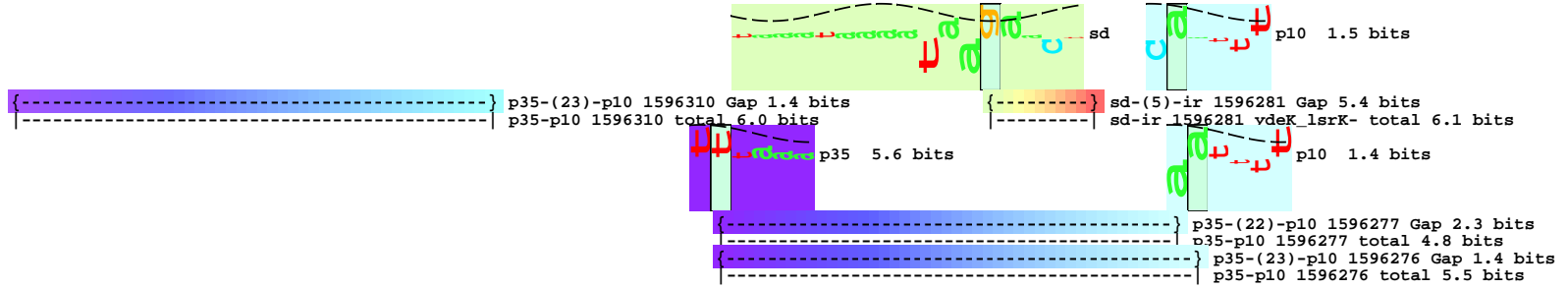
\*1596340 \* \*1596330 \* \*1596320 \* \*1596310 \* \*1596300 \* \*1596290 \* \*1596280 \* \*1596270

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

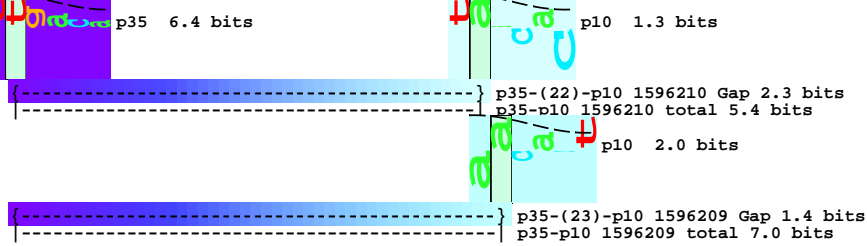
- glu - arg - asn - ser - phe - leu - ile - lys - gln - gln - fMet - phe - leu - ile - tyr -

- lys - glu - thr - val - phe - leu - leu - ser - asn - asn - asn - ser -

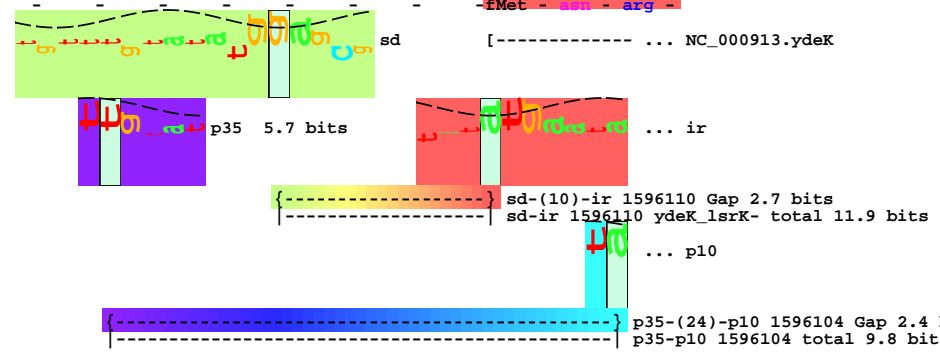




5' \*1596260 \*1596250 \*1596240 \*1596230 \*1596220 \*1596210 \*1596200 \*1596190 \*  
 a t c a a t t c g a a a g c a t t a g c a a a t t a g c c a a a t t g a c a c c t t c c c a c c t c a a a c t a a c a c t c a a t a c a g a c c t c t g a c a a t 3'  
 -gln- phe- glu- ser- ile- ser- lys- leu- ala- lys- leu- thr- pro- ser- his- leu- gln- leu- thr- leu- val- thr- asp- leu- [###] orf 31 codons



5' \*1596180 \*1596170 \*1596160 \*1596150 \*1596140 \*1596130 \*1596120 \*1596110 \*  
 t t a a t a a g t t t c a t t t t t a a t g t c t g a c g a c t c a t c t c t t t c g t g g c t g t a t t g t t t g t a t a t g g a g c g t t t a t a t g a a t a 3'  
 -fMet- ser- asp- asp- ser- ser- leu- ser- trp- leu- tyr- cys- leu- tyr- met- glu- arg- leu- tyr- glu- -fMet- val- arg-



\*1596100 \*  
 5' g a a t c t a t c g c g t 3'  
 -ile- tyr- arg- ... NC\_000913.ydeK  
 ir ydeK\_lsrK-  
 ... p10 6.6 bits

