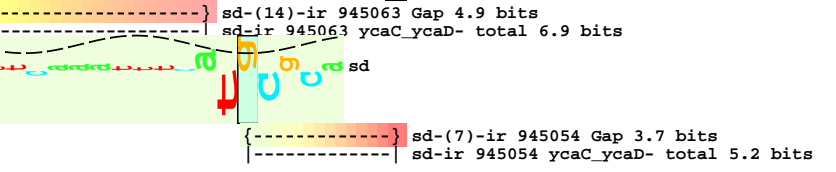


- 1 -  
piece 1, NC\_000913, ycaC\_ycaD-, config: linear, direction: -, begin: 945123, end: 944761

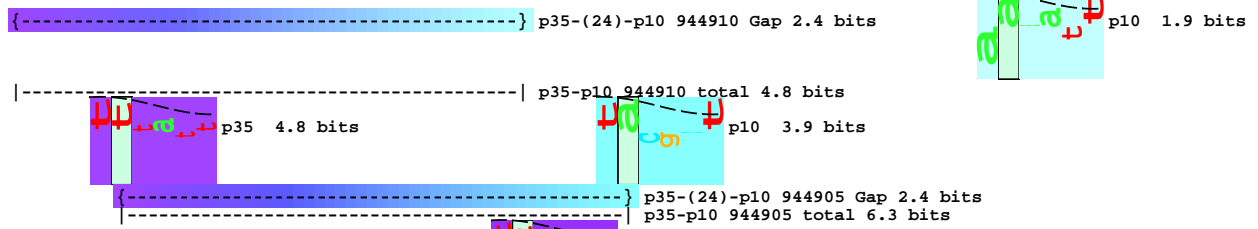
5' <sup>\*945120 \*</sup> <sup>\*945110 \*</sup> <sup>\*945100 \*</sup> <sup>\*945090 \*</sup> <sup>\*945080 \*</sup> <sup>\*945070 \*</sup> <sup>\*945060 \*</sup> <sup>\*945050 \*</sup>  
a a g c a t g a c a g g c t g g g t a t a c g t g g a c a t g a a t t a a a a c c g t g a g g a a g t t c a a a t t t c a t g c g c a t c a t g c c a c c g c c a 3'  
- lys - his - asp - arg - leu - gly - ile - arg - gly - his - glu - leu - lys - pro - fMet - arg - ile - met - pro - pro - pro -  
- ser - met - thr - gly - trp - val - tyr - val - asp - met - asn -  
- ala -  
... ir ycaC\_ycaD-



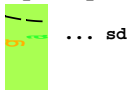
5' <sup>\*945040 \*</sup> <sup>\*945030 \*</sup> <sup>\*945020 \*</sup> <sup>\*945010 \*</sup> <sup>\*945000 \*</sup> <sup>\*944990 \*</sup> <sup>\*944980 \*</sup> <sup>\*944970 \*</sup>  
a a a a c a t t g t c a a t g g g t g a a a a t a c g c g a t a t c c c a g c g g c g g t a t t a t c g a t t t a t a t t a c t c a t t c a t a a c g c t a a t g 3'  
- lys - thr - leu - ser - met - gly - glu - asn - thr - arg - tyr - pro - ser - gly - gly - ile - ile - asp - leu - tyr - tyr - ser - phe - ile - thr - leu - met -  
- asn - ile - val - asn - gly - fMet - lys - ile - arg - asp - ile - pro - ala - ala - val - leu - ser - ile - tyr - ile - thr - his - ser -  
... ir ycaC\_ycaD-



5' <sup>\*944960 \*</sup> <sup>\*944950 \*</sup> <sup>\*944940 \*</sup> <sup>\*944930 \*</sup> <sup>\*944920 \*</sup> <sup>\*944910 \*</sup> <sup>\*944900 \*</sup> <sup>\*944890 \*</sup>  
c t g a g a g a t g a t t a g t c t c a t c t g a t t g t t t t a t t g a a c t a a c a c a a a t t t c a t a c g c t t c g t t c a g t c g a a a a t t t c 3'  
- leu - lys - arg - fMet - ile - ser - leu - ile - fMet - phe - leu - leu - asn -  
[###] orf 38 codons  
p35 4.8 bits  
p10 2.4 bits  
p10 3.8 bits  
p10 1.9 bits



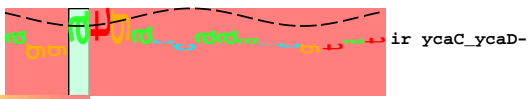
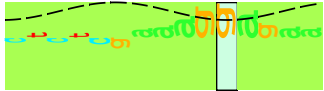
5' <sup>\*944880 \*</sup> <sup>\*944870 \*</sup> <sup>\*944860 \*</sup> <sup>\*944850 \*</sup> <sup>\*944840 \*</sup> <sup>\*944830 \*</sup> <sup>\*944820 \*</sup> <sup>\*944810 \*</sup> <sup>\*944800 \*</sup>  
a t g g t c a c a g c a a a c t c a t a t t t c c c g t c t a t g c t t t c a g a g c a a t g c a t c g c g t t c t g a t c g a t t t c a g a c g t a c c a c t g a 3'  
- fMet - val - thr - ala - asn - ser - tyr - phe - pro - ser - met - leu - ser - glu - gln - cys - ile - ala - ser - asp - arg - phe - gln - thr - tyr - his -  
...



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

-fMet - thr - lys - pro - tyr - val -  
-fMet - phe -

... *sd* [----- NC\_000913.ycaC



{-----} sd-(9)-ir 944780 Gap 2.3 bits  
|-----| sd-ir 944780 ycaC\_ycaD- total 13.6 bits