

piece 1, NC\_000913, hybO\_yghW+, config: linear, direction: +, begin: 3144254, end: 3144491

\* 3144260 \* 3144270 \* 3144280 \* 3144290 \* 3144300 \* 3144310 \* 3144320 \* 3144330

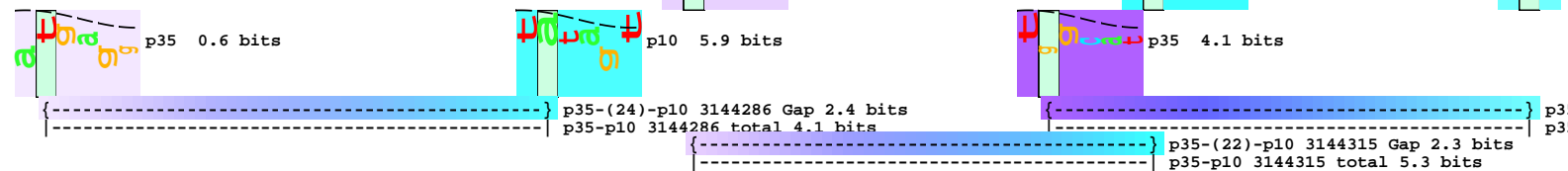
5' a g a a t g g a t g a g g g t t t a t c t c c a g t c a t t t a t a g t t a t t c c g t t g c g a a g a c c o t g g c a t a t a t t t t g c c t c a a t c g c a a 3'

- arg - met - asp - glu - gly - val - ile - ser - ser - his - leu - fMet - pro - gln - ser - gln -

- glu - trp - met - arg - val - leu - ser - pro - val - ile - tyr - ser - tyr - ser - val - ala - lys - thr - trp - his - ile - phe - cys - leu - asn - arg - lys -

- asn - gly - fMet - arg - arg - pro - gly - ile - tyr - phe - ala - ser - ile - ala - lys -

NC\_000913.hybO p35 1.2 bits p10 6.5 bits ... p10



\* 3144340 \* 3144350 \* 3144360 \* 3144370 \* 3144380 \* 3144390 \* 3144400 \* 3144410 \*

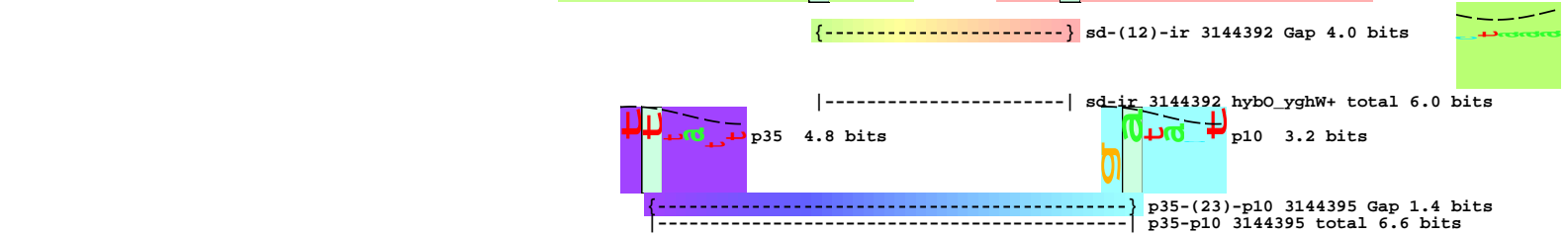
5' a a t c a a t a a t g c g a t c g a t g c g c c a t t t a c c a c a c a c a t t a t t a t g g t t a t c g a t a t c a t g a t a c t g c g g c g g c g c t a a a 3'

- asn - gln - fMet - val - ile - asp - ile - met - ile - leu - arg - arg - gly - ala - lys -

- ile - asn - asn - ala - ile - asp - ala - pro - phe - thr - thr - his - leu - leu - trp - leu - ser - ile - ser -

- ser - ile - met - arg - ser - met - arg - his - leu - pro - his - ile - tyr - tyr - gly - tyr - arg - tyr - his - asp - thr - ala - ala - gly - arg -

hybO\_yghW+ p10 4.7 bits sd ir hybO\_yghW+



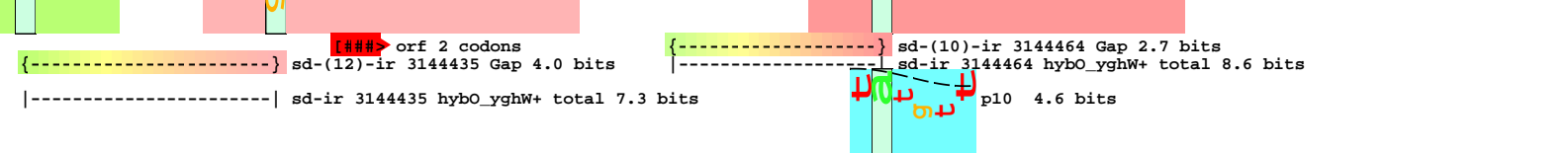
\* 3144420 \* 3144430 \* 3144440 \* 3144450 \* 3144460 \* 3144470 \* 3144480 \* 3144490

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

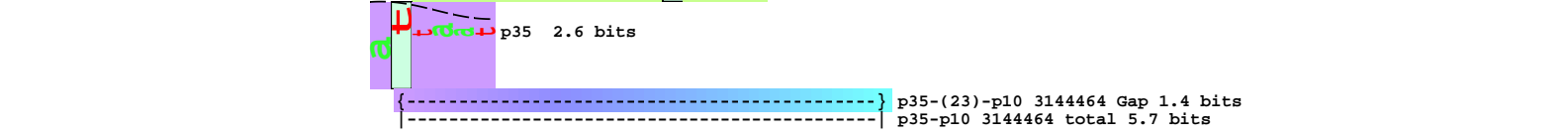
- thr - lys - gly - arg - ser - ile - ser - val - ile - asn - fMet - phe - asp - gln - phe - ser - arg - arg -

- fMet - fMet - ile - asn - phe - arg - gly - asp - asn -

sd ir hybO\_yghW+ orf 19 codons ir hybO\_yghW+ orf 9 codons ... NC\_000913.yghW



sd p35 2.6 bits p10 4.6 bits



p35-(23)-p10 3144464 Gap 1.4 bits p35-p10 3144464 total 5.7 bits