

piece 1, NC_000913, mipA_yeaG+, config: linear, direction: +, begin: 1864467, end: 1864951

*1864470 * *1864480 * *1864490 * *1864500 * *1864510 * *1864520 * *1864530 * *1864540 *

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

- ser - lys - cys - gln - lys - phe - glu - phe - gly - his - asn - fMet - phe - ser - gly - arg - gln - ser - leu - pro - val -

- pro - ser - ala - arg - ser - leu - ser - leu - val - thr - ile - asn - his - ser - leu - asn - lys - cys - leu - ala - gly - asp - lys - val - tyr - pro - ser -

- gln - val - pro - glu - val -

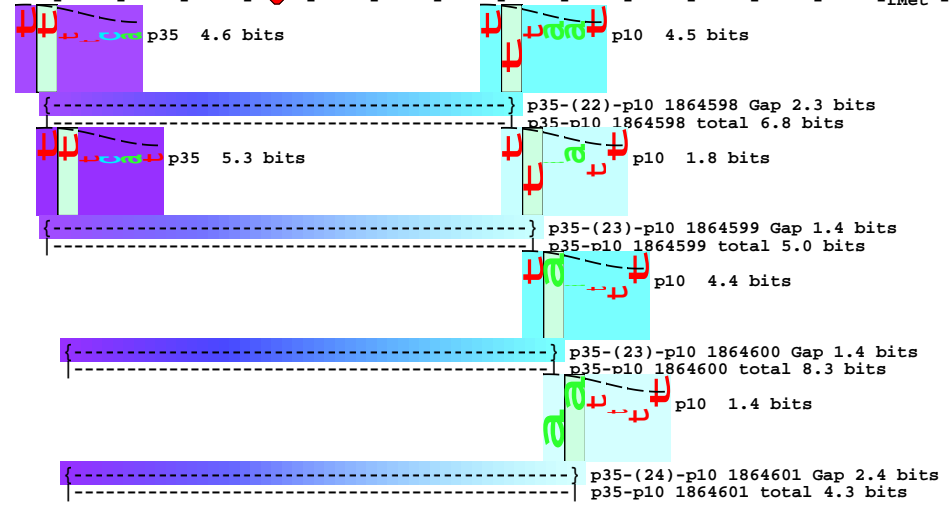
-----] NC_000913.mipA

*1864550 * *1864560 * *1864570 * *1864580 * *1864590 * *1864600 * *1864610 * *1864620 *

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

- asn - thr - ser - lys - pro - asn - leu - phe - thr - phe - ser - phe - phe - lys - val - thr - val - fMet - thr - pro - arg - leu -

- ile - his - arg - asn - pro - thr - phe - leu - arg - phe - his - leu - lys -

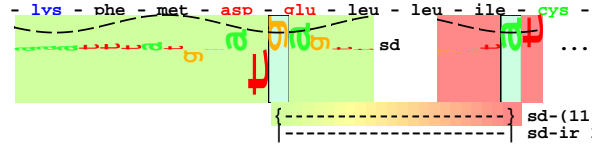


*1864630 * *1864640 * *1864650 * *1864660 * *1864670 * *1864680 * *1864690 * *1864700 *

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

- fMet - asn - leu - ala - leu - leu - ala - ser - leu - val - phe - thr - leu - ile - met - gln - asn - leu - trp - met - ser - cys - fMet -

- gln - pro - asn - glu - phe - ser - val - thr - gly - glu - pro - gly - leu - tyr - ile - asn - tyr - ala - lys - phe - met - asp - glu - leu - leu - ile - cys -

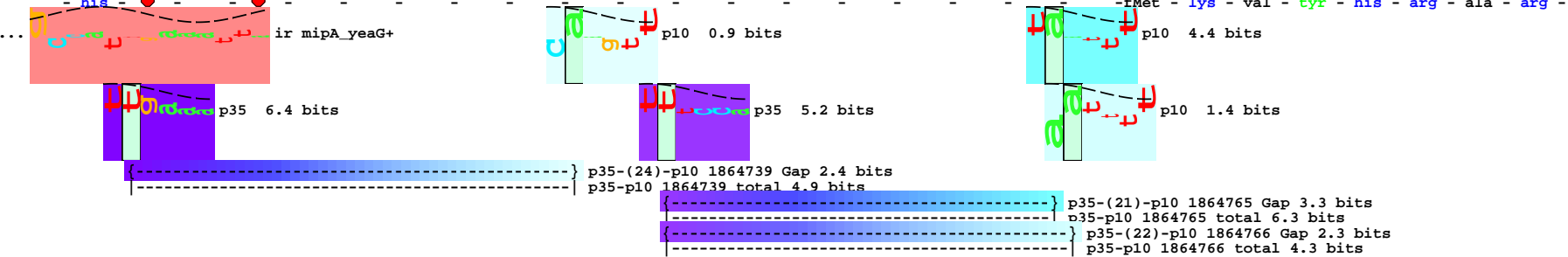


*1864710 * *1864720 * *1864730 * *1864740 * *1864750 * *1864760 * *1864770 * *1864780 * *1864790 *

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

- pro - leu - lys - leu - arg - lys - pro - cys - arg - gln - val - phe - his - leu - pro - ser - thr - leu - asn - phe - glu - gly - val - ser - pro - gly - thr -

- his - fMet - lys - val - tyr - his - arg - ala - arg -



*1864800 * *1864810 * *1864820 * *1864830 * *1864840 * *1864850 * *1864860 *

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

- leu - phe - ser - ser - ser - ile - lys - trp - his - glu - ser - cys - cys - val - leu - ala - arg - asp - val - val - gln - phe - thr - ser - ser - gly - ser -

- fMet - ala - fMet - leu - cys - phe - ser - lys - arg - arg - arg - ser - val - tyr - leu - phe - arg - glu -

- cys - ser - his - arg - arg - ● - -

-fMet - arg - val - ala - val - phe - ● - -

p35 4.1 bits

... p35-(21)-p10 1864877 Gap
... p35-p10 1864877 total 6.4

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

- pro - leu - leu - phe - ile - ●
- leu - tyr - tyr - ser - tyr - glu - arg - leu - leu - thr - cys - ala - lys - lys - arg - lys - asp - gly - ile - pro - ● - -fMet - asn - ile - phe - asp - his - -
- -fMet - asn - gly - ser - ● - -fMet - leu - lys - asn - glu - arg - thr - ala - tyr - his - glu - tyr - ile - arg - ser - leu - -

p10 5.6 bits

sd [----- ... NC_000913.yeaG

... -----} p35-(21)-p10 1864877 Gap 3.3 bits

... -----| p35-p10 1864877 total 6.4 bits

###>orf 76 codons
ir mipA_yeaG+

{-----} sd-(11)-ir 1864932 Gap 3.0 bits
-----| sd-ir 1864932 mipA_yeaG+ total 13.3 bits