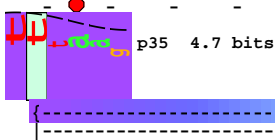


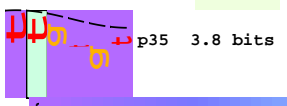
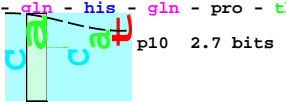
piece 1, NC_000913, ypjA_pinH+, config: linear, direction: +, begin: 2780719, end: 2781106

5' *2780720 * *2780730 * *2780740 * *2780750 * *2780760 * *2780770 * *2780780 * *2780790 *
 g c g a c a a t a a t a g g g a c t g g t c c t g t t c a t a a a t t c a t c c t c t g a a a a g t g a a t a c t g a g t a g c g t t t a a g c g a c c t t a g 3'
 - ala - thr - ile - ile - gly - thr - gly - pro - val - his - lys - phe - his - pro - leu - lys - ser - glu - tyr - fMet - asn - thr - glu -
 - arg - gln - ● - ● -
 - asp - asn - asn - arg - asp - trp - ser - cys - ser - ● -



NC_000913.ypjA

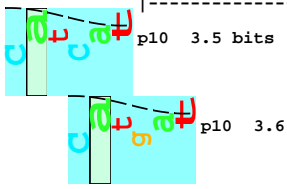
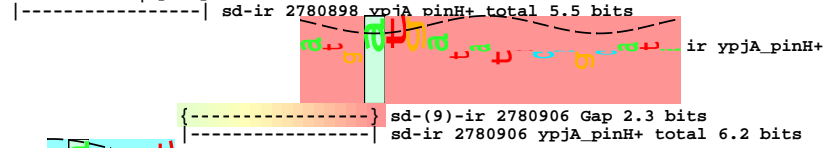
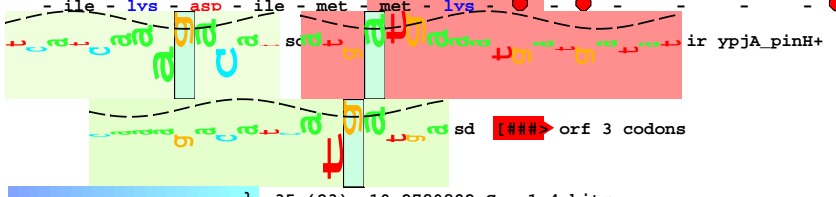
5' *2780800 * *2780810 * *2780820 * *2780830 * *2780840 * *2780850 * *2780860 * *2780870 * *2780880
 c t t t g c t g c a a c a t c a g c c c a c a g g c a c c a g a c c a g g g g a t t c a t c c t g a a g a g a c a g c g c a a g t g t t a t t g t g t t c a c c g c 3'
 -fMet - leu - gln - his - gln - pro - thr - gly - thr - arg - pro - gly - asp - ser - ser - ● -
 -fMet - tyr - cys - val - his - arg -
 -fMet - phe - thr - ala -
 -fMet - cys - ser - pro - leu -



p35-(23)-p10 2780809 Gap 1.4 bits

p35-p10 2780809 total 5.9 bits

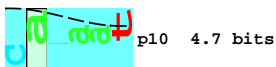
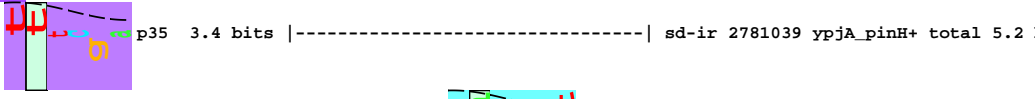
5' *2780890 * *2780900 * *2780910 * *2780920 * *2780930 * *2780940 * *2780950 * *2780960
 t c a t c a a a g a c a t c a t g a t g a a a t g a t g a t a t t c t c g c a t a a g a a t g a g g c a t t t t t t a a a c g c a g t g c g c t g a a g t g t g g t 3'
 - ser - ser - lys - thr - ser - ● - ● -
 - his - gln - arg - his - his - asp - glu - met - met - ile - phe - arg - ile - arg - met - arg - his - phe - leu - asn - ala - val - arg - ● - -fMet - val -
 - ile - lys - asp - ile - met - met - lys - ● - ● -
 ir ypjA_pinH+ [###] orf 16 codons



5' *2780970 * *2780980 * *2780990 * *2781000 * *2781010 * *2781020 * *2781030 * *2781040
 t g g a t a a a a a a g t c a a t c c a t t c a g g a a a t a c g g g c g t a t t c t t t t c t t c g a c a a t g a g g c c g t t g g c a a a a t a a a a t g a 3'

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

sd ... ir

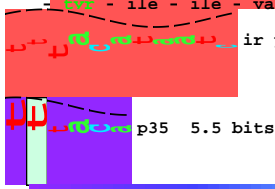


5' t t t a c a t a a t c g t t t c t g a t g a a t a t c t t c t g c t c a c a t a a a a a t c a c a c a a t a a c t t t g a g a t 3'

- fMet - asn - ile - phe - cys - ser - his - lys - asn - his - thr - ile - thr - leu - arg -

... ir ypjA_pinH+ p10 4.5 bits

<----- ... NC_000913.pinH



orf 15 codons

