

piece 1, NC_000913, ycgI_minE-, config: linear, direction: -, begin: 1223531, end: 1223111

*1223530 * *1223520 * *1223510 * *1223500 * *1223490 * *1223480 * *1223470 * *1223460 *

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

- thr - leu - pro - glu - ala - glu - glu - leu - lys - fMet - val - lys - arg - arg - val - phe - leu - leu - ile - leu - leu - ile - ala - ile - ser - thr - ser - pro -

- pro - tyr - arg - lys - gln - lys - ser - leu - thr - his - lys - thr - lys - cys - leu - cys - leu - val - glu - fMet - leu - val - trp - ile -

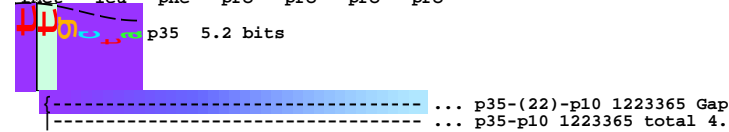
- leu - thr - gly - ser - arg - arg - ala - glu - ile - ser - pro - leu - fMet - ser

*1223450 * *1223440 * *1223430 * *1223420 * *1223410 * *1223400 * *1223390 * *1223380 * *1223370

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

- phe - ser - ser - leu - ser - ser - thr - leu - trp - fMet - val - lys - arg - arg - val - phe - leu - leu - ile - leu - leu - ile - ala - ile - ser - thr - ser - pro -

- phe - ser - ser - leu - ser - ser - thr - leu - trp - fMet - val - lys - arg - arg - val - phe - leu - leu - ile - leu - leu - ile - ala - ile - ser - thr - ser - pro -

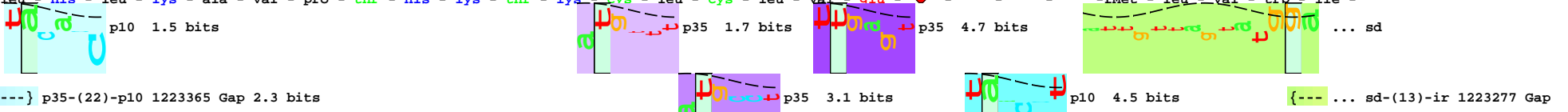


*1223360 * *1223350 * *1223340 * *1223330 * *1223320 * *1223310 * *1223300 * *1223290

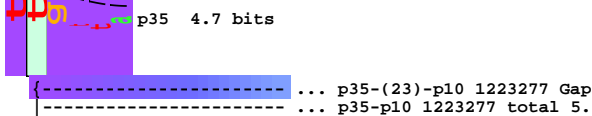
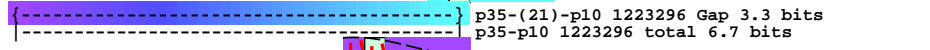
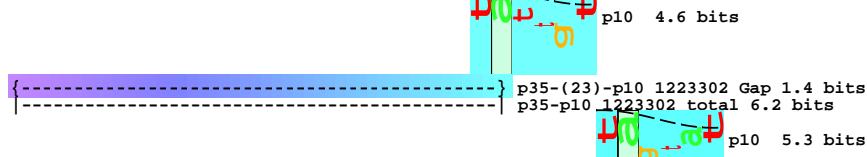
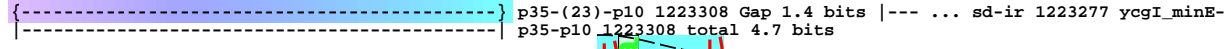
5' c t t t a c a c c t t a a g g c t g t t c c c a c g c a c a a a a c a a a a t g t t t a t g c c t g g t t g a g t a a a t a a c c t t a t t g t t a g t a t g g a 3'

- phe - thr - pro - leu - his - leu - lys - ala - val - pro - thr - his - lys - thr - lys - cys - leu - cys - leu - val - glu - fMet - leu - val - trp - ile -

- leu - his - leu - lys - ala - val - pro - thr - his - lys - thr - lys - cys - leu - cys - leu - val - glu - fMet - ser - lys - fMet - leu - val - trp - ile -



... p35-p10 1223365 total 4.4 bits

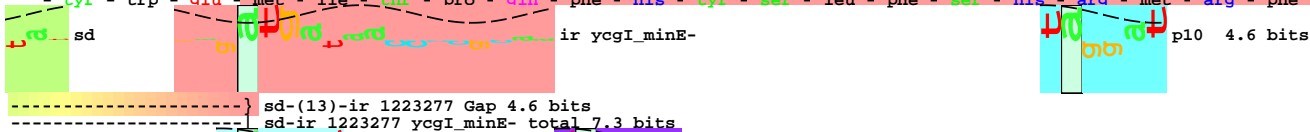


*1223280 * *1223270 * *1223260 * *1223250 * *1223240 * *1223230 * *1223220 * *1223210

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

- ile - leu - gly - asp - asp - asn - pro - ala - ile - ser - leu - phe - ile - val - leu - pro - fMet - leu - val - trp - ile -

- tyr - trp - glu - met - ile - thr - pro - gln - phe - his - tyr - ser - leu - phe - ser - his - arg - met - arg - phe - pro - ala - val - thr - gly - gly - leu -

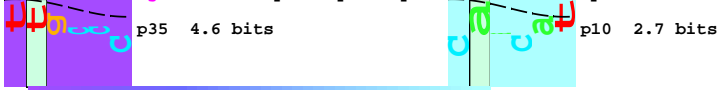


... ----- } p35-(23)-p10 1223277 Gap 1.4 bits
... ----- | p35-p10 1223277 total 5.6 bits

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

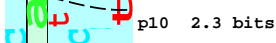
- phe - leu - pro - gln - asn - phe - pro - phe - gln - his - pro - val - asn - glu - asn - cys - ala - glu - ala - gln - phe - asn - arg - fMet - met - val - arg -

<----- ... NC_000913.ycgI



----- } p35-(21)-p10 1223180 Gap 3.3 bits
----- | p35-p10 1223180 total 4.0 bits

orf 48 codons



----- } p35-(24)-p10 1223177 Gap 2.4 bits
----- | p35-p10 1223177 total 4.5 bits

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

- thr - thr - ser - ser - his -

... ----- ... NC_000913.ycgI