

piece 1, NC_000913, ybgD_gltA+, config: linear, direction: +, begin: 751989, end: 752427

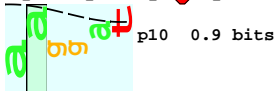
5' ^{*751990} t g c g g c c a a t g t t t t t g t c c t t t a a a c a t a a c a g a g t c c t t t a a g g a t a t a g a a t a g g g g t a t a g c t a c g c c a g a a t a t c 3'

- cys - gly - gln - cys - phe - leu - ser - phe - lys - his - asn - arg - val - leu - lys - asp - ile - glu -

- ala - ala - asn - val - phe - cys - pro - leu - asn - ile - thr - glu - ser - phe - lys - asp - ile - glu -

- arg - pro - met - phe - phe - val - leu -

...-----] NC_000913.ybgD



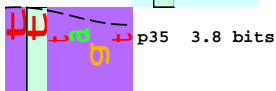
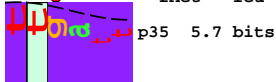
-----} p35-(22)-p10 752033 Gap 2.3 bits
 -----} p35-p10 752033 total 4.1 bits

5' ^{*752070} g t a t t t g a t t a t t g c t a g t t t t a g t t t t g c t t a a a a a t a t t g t t a g t t t t a t t a a a a c t a a a t t a t t g g t a t c a 3'

-fMet - ile - ile - ala - ser - phe - -fMet - leu - lys - asn - ile - val - ser - phe - ile - lys - cys - lys - thr - lys - leu - leu - val - ser -

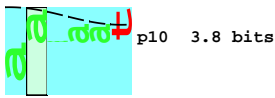
-fMet - leu - val - phe - ser - phe - ala - -fMet - leu - val - leu - leu - asn - ala - lys - lys - thr - lys - asn - tyr - trp - tyr - his -

-fMet -



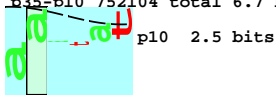
-----} p35-(22)-p10 752097 Gap 2.3 bits

-----} p35-p10 752097 total 4.8 bits



-----} p35-(22)-p10 752104 Gap 2.3 bits

-----} p35-p10 752104 total 6.7 bits



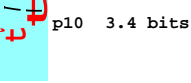
-----} p35-(24)-p10 752106 Gap 2.4 bits

-----} p35-p10 752106 total 5.3 bits

-----} p35-(24)-p10 752115 Gap 2.4 bits
 -----} p35-p10 752115 total 4.8 bits

-----} p35-(21)-p10 752119 Gap 3.3 bits
 -----} p35-p10 752119 total 4.6 bits

-----} p35-(25)-p10 752123 Gap 4.0 bits

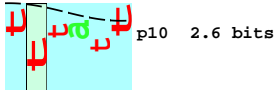


###> orf 4 codons

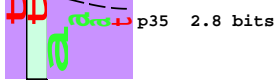
-----} sd-(14)-ir 752126 Gap 4.9 bits

-----} sd-(5)-ir 752150 Gap 5.4 bits

-----} sd-ir 752126 ybgD_gltA+ total 5.1 bits

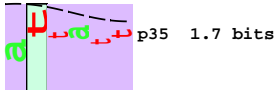


-----} p10 3.7 bits



-----} p35-(24)-p10 752147 Gap 2.4 bits

-----} p35-p10 752147 total 6.7 bits



-----} ... p35-(24)-p10 752163 Gap
 -----} ... p35-p10 752163 total 5.7

p35-p10 752123 total 5.0 bits

p35 4.7 bits

p35-(25)-p10 752136 Gap 4.0 bits
p35-p10 752136 total 6.4 bits

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

-fMet - met - **asn** - lys - ile -fMet -fMet -fMet - arg - leu - pro -fMet -

... p35 3.5 bits [###] orf 8 codons p35 5.3 bits ... ir

... ir ybgD_gltA+ [###] orf 6 codons

sd [###] ... orf

... ir ybgD_gltA+

{-----} sd-(7)-ir 752218 Gap 3.7 bits

... p10 6.3 bits ir ybgD_gltA+

|-----| sd-ir 752218 ybgD_gltA+ total 5.5 bits

{-----} sd-(11)-ir 752163 Gap 3.0 bits

... ir

... sd ir 752163 ybgD_gltA+ total 9.0 bits p10 6.4 bits

{-----} sd-(18)-ir 752229 Gap 6.9 bits

{-----} sd-(14)-ir 752166 Gap 4.9 bits

|-----| sd-ir 752229 ybgD_gltA+ total 7.9

|-----| sd-ir 752166 ybgD_gltA+ total 9.3 bits p10 7.6 bits

{-----} p35-(23)-p10 752226 Gap 1.4 bits

{-----} p35-(21)-p10 752172 Gap 3.3 bits

|-----| p35-p10 752226 total 8.8 bits

{-----} p35-(24)-p10 752163 Gap 2.4 bits

{-----} p35-p10 752163 total 5.7 bits

{-----} p35-p10 752172 total 7.8 bits p10 2.5 bits

{-----} p35-(23)-p10 752174 Gap 1.4 bits p35-p10 752174 total 4.5 bits

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

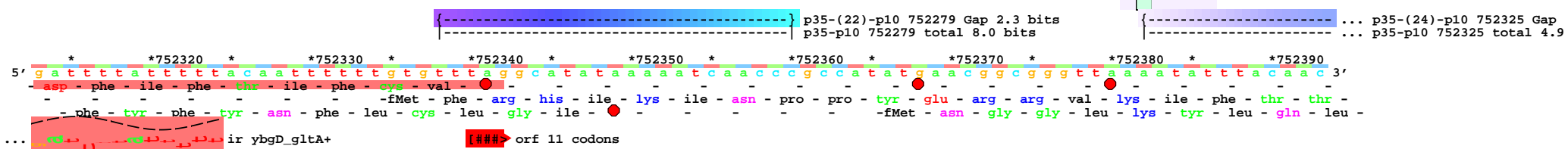
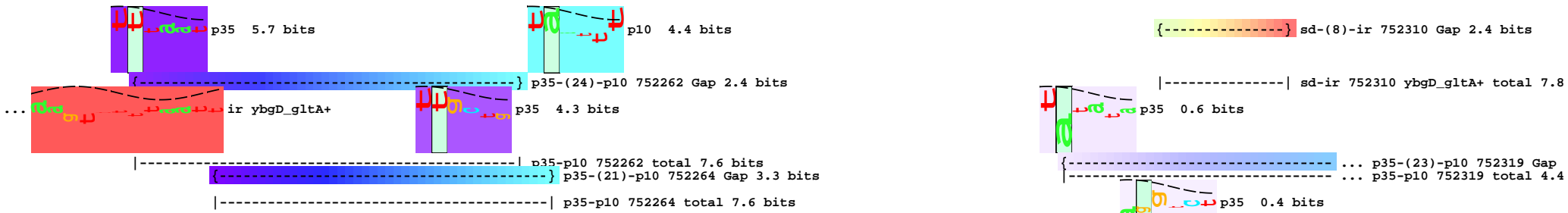
lys - phe - leu - ile - glu - ser - ile - gly - leu - leu - ile - ile -fMet - ser - cys - ser - ile - leu - phe - lys - tyr - leu - tyr - arg - ser - val - **asn** - gly -

... ir ybgD_gltA+ p35 6.4 bits [###] orf 14 codons p10 6.0 bits ... ir

... orf 5 codons

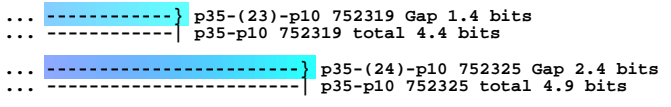
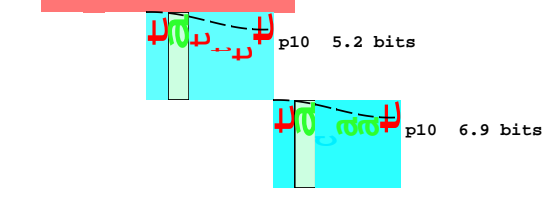
p10 4.3 bits

sd



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*       *752320 *       *752330 *       *752340 *       *752350 *       *752360 *       *752370 *       *752380 *       *752390
5' g a t t t t a t t t t t a c a a t t t t t g t g t t t t a g g c a t a t a a a a a t c a a c c c g c c a t a t g a a c g g c g g g t t a a a a t a t t t a c a a c 3'
- a s p - p h e - i l e - p h e - c h r - i l e - p h e - c y s - v a l - - - - f M e t - p h e - a r g - h i s - i l e - l y s - i l e - a s n - p r o - p r o - t y r - g l u - a r g - a r g - v a l - l y s - i l e - p h e - t h r - t h r -
- p h e - t y r - p h e - t y r - a s n - p h e - l e u - c y s - l e u - g l y - i l e - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
... ir ybgD_gltA+ [###] orf 11 codons
  
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*       *752400 *       *752410 *       *752420 *
5' t t a g c a a t c a a c c a t t a a c g c t t g a t a t c g c t t t 3'
- - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
- s e r - a s n - g l n - p r o - l e u - t h r - l e u - a s p - i l e - a l a -
<----- NC_000913.gltA
  
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