

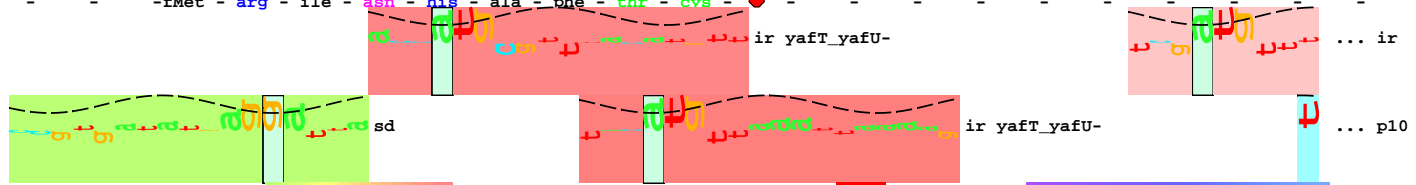
piece 1, NC_000913, yafT_yafU-, config: linear, direction: -, begin: 238775, end: 238101

5' ^{*238770} t a t g t t c t t a a c a c t c c a c c c g t g a t a t g a g g a t t a a c c a t g c g t t t a c a t g t t a a a t t a a a g a g t t t c t t c g a t g t t t 3'

- tyr - val - leu - asn - thr - pro - pro - val - ile - fMet - arg - leu - his - val - lys - leu - lys - glu - phe - leu - ser - met - phe -

- met - phe - leu - thr - leu - his - pro - fMet - leu - asn - ala - phe - thr - cys -

- cys - ser -

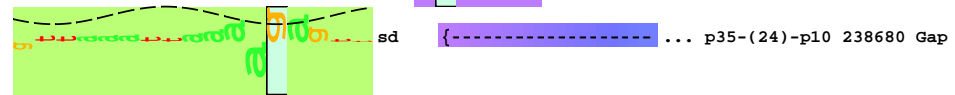


{-----} sd-(8)-ir 238736 Gap 2.4 bits [###] orf 4 codons {-----} ... p35-(23)-p10 238685 Gap

|-----| sd-ir 238736 yafT_yafU- total 11.2 bits {-----} sd-(12)-ir 238700 Gap 4.0 bits

{-----} sd-(18)-ir 238726 Gap 6.9 bits p35 4.5 bits

|-----| sd-ir 238726 yafT_yafU- total 7.2 bits p35 3.4 bits



|-----| sd-ir 238700 yafT_yafU- total 6.2 bits

p35 2.7 bits |-----| ... p35-p10 238680 total 6.1



|-----| ... p35-(23)-p10 238694 Gap

|-----| ... p35-p10 238694 total 4.4

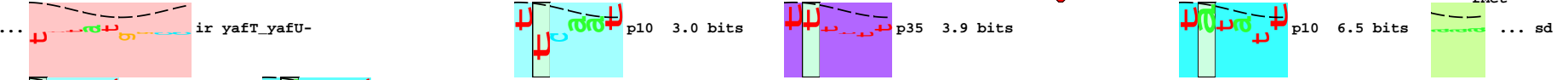
|-----| ... p35-p10 238685 total 6.6

|-----| ... p35-(25)-p10 238683 total 7.5

5' ^{*238690} t t t a t g g c a t a t t a t t t t t t c c c t g c a t t c a a t g c t t c t t t t t t a c c g g a g t t a a a c c t c t a t a t t c a a t a a a a a a 3'

- phe - met - ala - ile - leu - phe - phe - pro - ala - phe - asn - ala - ser - leu - phe - phe - thr - gly - val - lys - pro - leu - tyr - ser - ile - ile - lys -

- fMet - leu - leu - cys - phe - leu - pro - glu - leu - asn - leu - tyr - ile - gln - fMet -



p10 3.0 bits

p35 3.9 bits

p10 6.5 bits

sd

p10 3.2 bits p10 5.2 bits

{-----} p35-(22)-p10 238629 Gap 2.3 bits

|-----| p35-(23)-p10 238685 Gap 1.4 bits

|-----| p35-p10 238629 total 8.1 bits

p10 3.6 bits

p35 4.1 bits

p10 3.0 bits

p10 7.1 bits

{-----} p35-(23)-p10 238625 Gap 1.4 bits

p35 3.9 bits

|-----| p35-p10 238625 total 5.7 bits

{-----} p35-(24)-p10 238680 Gap 2.4 bits

p35 1.2 bits

p10 4.6 bits

... {-----} p35-(23)-p10 238666 Gap 1.4 bits {-----} p35-(26)-p10 238622 Gap 3.7 bits
 ... {-----} p35-p10 238622 total 5.0 bits
 ... } p35-(23)-p10 238694 Gap 1.4 bits

... | p35-p10 238694 total 4.4 bits
 ... {-----} p35-p10 238685 total 6.6 bits
 ... {-----} p35-(25)-p10 238683 Gap 4.0 bits
 ... {-----} p35-p10 238683 total 7.5 bits
 ... {-----} p35-p10 238666 total 5.5 bits

5' *238610 * *238600 * *238590 * *238580 * *238570 * *238560 * *238550 * *238540 *
 t g c t o c a o g g a a a t a t t t t t a t g a t t g g a g a a t g t t g a t t c t g t g c t t c g g t t t c a t g t c g t t t t c c t t t t t a a a t a t t c a t 3'
 -cys - ser - thr - glu - ile - phe - tyr - asp - trp - arg - met - leu - ile - leu - cys - phe - gly - phe - met - ser - phe - ser - phe - leu - asn - ile - his -
 - leu - his - gly - asn - ile - leu - fMet - ile - gly - glu - cys - fMet - glu - asn - val - asp - ser - val - leu - arg - phe - his - val - val - phe - leu - phe - lys - tyr - ser - cys -
 ... sd ir yafT_yafU- p35 5.3 bits p10 2.5 bits

{-----} sd-(10)-ir 238594 Gap 2.7 bits
 |-----| sd-ir 238594 yafT_yafU- total 7.6 bits

{-----} p35-(21)-p10 238541 Gap 3.3 bits
 {-----} p35-p10 238541 total 4.5 bits
 p10 2.7 bits

{-----} p35-(22)-p10 238540 Gap 2.3 bits
 {-----} p35-p10 238540 total 5.7 bits
 p35 5.3 bits ... p35

... p10 7.6 bits

{-----} ... p35-(21)-p10 238530 Gap
 {-----} ... p35-p10 238530 total 6.4
 {-----} ... p35-(22)-p10 238529 Gap

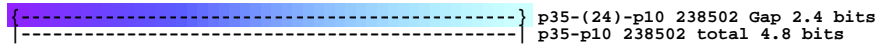
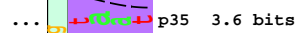
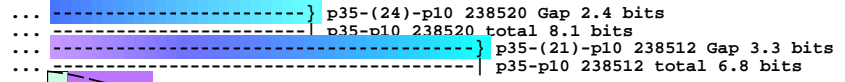
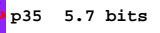
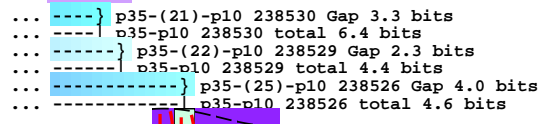
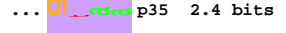
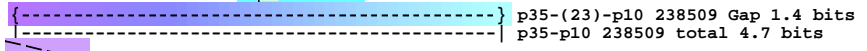
{-----} ... p35-p10 238529 total 4.4
 {-----} ... p35-(25)-p10 238526 Gap
 {-----} ... p35-p10 238526 total 4.6

5' *238530 * *238520 * *238510 * *238500 * *238490 * *238480 * *238470 * *238460 *
 g t a a t t t t a c t t a c g a t a a t a a a a t c a t t c t t a a t c a a a a a a a c g a a g g t a g t c a a t t t c g c c a c a g a c a t a a c a a t a c a g 3'
 -val - ile - leu - leu - thr - ile - lys - ser - phe - leu - ile - lys - lys - thr - lys - val - val - asn - phe - ala - thr - asp - ile - thr - ile - gln -
 -asn - phe - thr - tyr - asp - asn - lys - ile - ile - leu - asn - gln - lys - asn - glu - gly - ser - gln - phe - arg - his - arg - his - asn - asn - thr - ala -

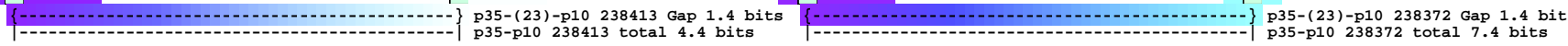
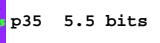
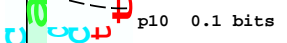
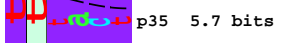
p10 4.4 bits p10 7.6 bits
 p10 1.4 bits p10 2.6 bits
 p10 3.4 bits p10 1.6 bits

p35 5.6 bits

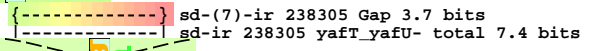
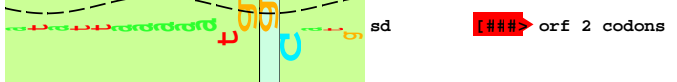
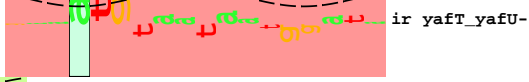
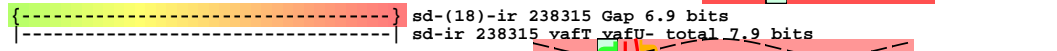
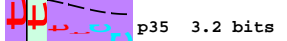
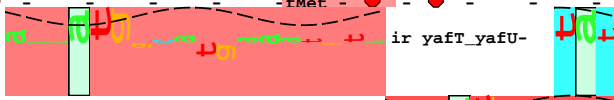
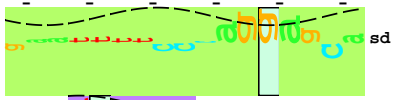
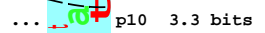
{-----} ... p35-(24)-p10 238520 Gap
 {-----} ... p35-p10 238520 total 8.1
 {-----} ... p35-(21)-p10 238512 Gap
 {-----} ... p35-p10 238512 total 6.8
 ... p35

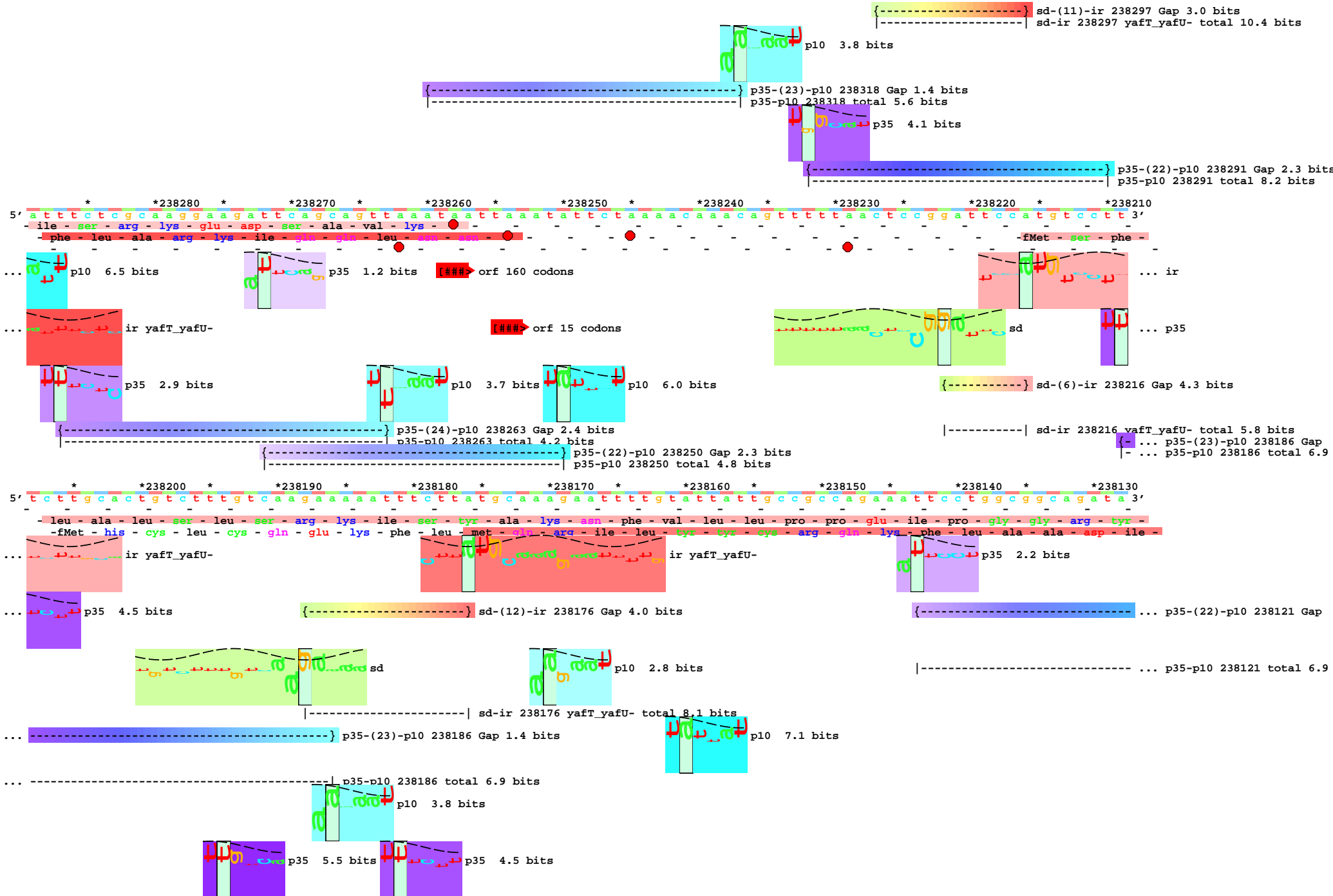


5' *ctaa* *ctct* *tata* *tatt* *ttt* *tact* *aat* *agct* *atc* *gta* *aat* *agc* *ac* *ctt* *tt* *ta* *at* *ag* *ct* *ct* *ct* *tt* *gt* *ca* *cag* *gga* *tat* *gt* *ca* *ata* *act* *aat* 3'
 - leu - thr - leu - ile - phe - leu - leu - ile - ala - ile - val - ile - ala - pro - leu - ile - ala - pro - phe - val - thr - gly - tyr - val - asn - thr - asn -
 - *asn* - ser - tyr - ile - phe - thr - *asn* - ser - tyr - arg - *asn* - ser - thr - phe - *asn* - ser - ser - phe - *cys* - his - arg - ile - *cys* - *gln* - tyr -



5' *tatc* *acc* *cc* *ctg* *cg* *gt* *aa* *ta* *ata* *c* *gg* *ga* *att* *tt* *cc* *agg* *gag* *ca* *at* *ct* *ata* *t* *ta* *tt* *aaaa* *at* *gg* *cat* *g* *aaa* *t* *gt* *aa* *ta* *at* *gg* *at* *t* 3'
 - tyr - his - pro - *cys* - gly - *asn* - *asn* - thr - gly - ile - phe - pro - gly - ala - ile - tyr - ile - lys - *asn* - gly - met - lys - *cys* - *asn* - *asn* - gly - tyr -
 - ile - thr - pro - ala - val - ile - ile - arg - *glu* - phe - ser - *gln* - *glu* - *gln* - ser - ile - leu - lys - met - ala - - fMet - - fMet - *asp* - ile -





- 5 -

p35-(24)-p10 238170 Gap 2.4 bits
p35-p10 238170 total 5.9 bits

p35-(21)-p10 238160 Gap 3.3 bits
p35-p10 238160 total 8.2 bits

*238120 *238110
 5' t a a t t t a t t a t t g a t a g c g g t t a a c c a 3'

- asn - leu - leu - leu - ile - ala - val - asn -
 - ile - tyr - tyr - - - - - - - - -

... <-----> ... NC_000913.yafT
p35-(22)-p10 238121 Gap 2.3 bits
p35-p10 238121 total 6.9 bits

###> orf 21 codons
p10 7.1 bits