

piece 1, NC_000913, ygcL_ygcB+, config: linear, direction: +, begin: 2882131, end: 2882594

5' ^{*} agggatccagttatcaataagcaaatccatttggttctccttccattatgctccgacatttctcctgcaatttctatacgtcggc 3' ^{*} 2882140 * 2882150 * 2882160 * 2882170 * 2882180 * 2882190 * 2882200 * 2882210

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

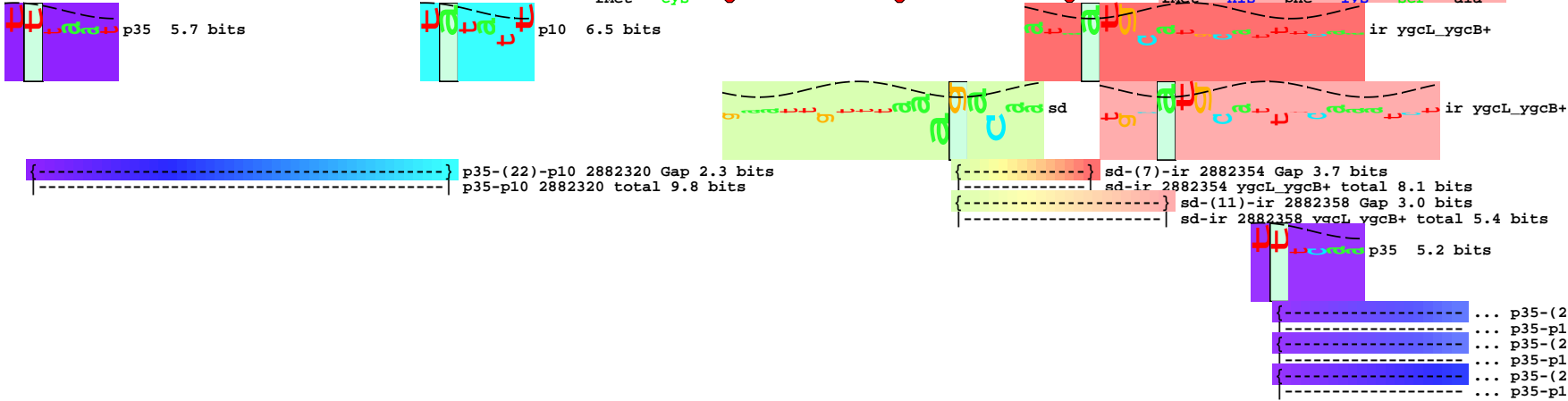
-----] NC_000913.ygcL

5' ^{*} acaattccoggttatcggtaaaaaaacaagaatacggcggttaatttaattcaataatcacaattcactgcacaaataatattca 3' ^{*} 2882220 * 2882230 * 2882240 * 2882250 * 2882260 * 2882270 * 2882280 * 2882290

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

5' ^{*} ttggtttaataacaattaacctatacatatatttaagatggtgttgaattgtttaaagacaaataatgcattctcaaatctg 3' ^{*} 2882300 * 2882310 * 2882320 * 2882330 * 2882340 * 2882350 * 2882360 * 2882370

- leu - val - ● - fMet - phe - lys - asp - asn - asn - ala - cys - ile - ser - asn - leu -
 - fMet - leu - asn - cys - leu - lys - thr - ile - met - his - ala - phe - gln - ile - cys -
 - fMet - cys - ● - fMet - his - phe - lys - ser - ala -

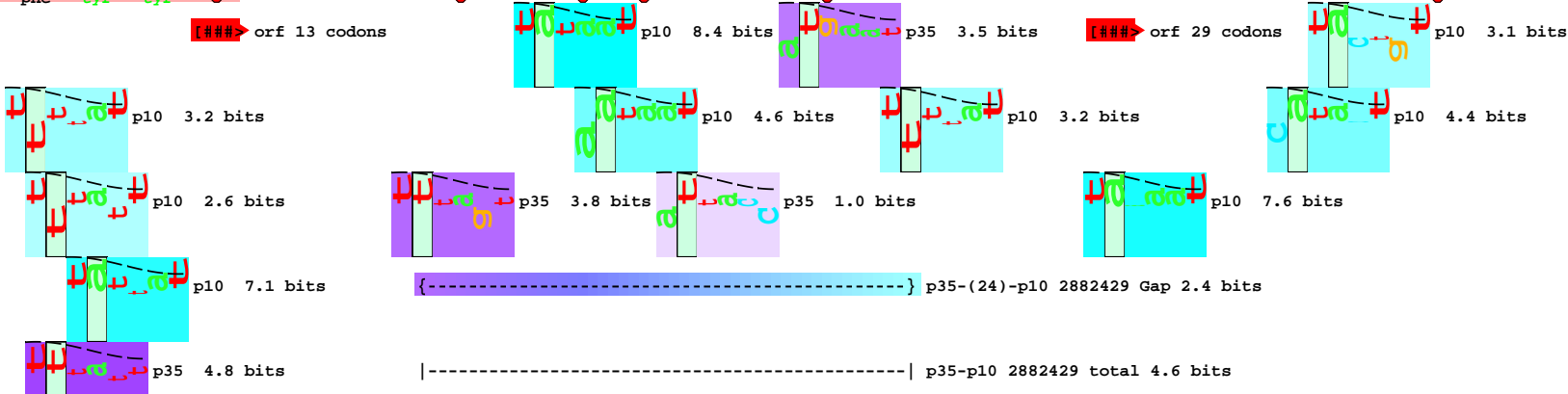


{-----} ... p35-(22)-p10 2882386 Gap
 {-----} ... p35-p10 2882386 total 6.0
 {-----} ... p35-(23)-p10 2882387 Gap
 {-----} ... p35-p10 2882387 total 6.4
 {-----} ... p35-(25)-p10 2882389 Gap
 {-----} ... p35-p10 2882389 total 8.3

5' ^{*} caagttatttcggtttattttaaagaacttttagtataataataaccatgaattttattacataaaaatattctataactgt 3' ^{*} 2882380 * 2882390 * 2882400 * 2882410 * 2882420 * 2882430 * 2882440 * 2882450

- gln - val - ile - arg - phe - ile - ile - lys - glu - thr - phe - ser - tyr - asn - asn - tyr - his - glu - phe - tyr - ile - lys - tyr - ser - tyr - cys -
 - lys - leu - phe - val - leu - leu - leu - lys - lys - leu - leu - val - ile - ile - thr - met - ● - phe - ile - thr - ● - fMet -
 - ser - tyr - ser - phe - tyr - tyr - ● -

###> orf 13 codons



{-----} p35-(24)-p10 2882411 Gap 2.4 bits {-----} p35-(21)-p10 2882450 Gap 3.3 bits
 {-----} p35-p10 2882411 total 10.8 bits p35 4.8 bits

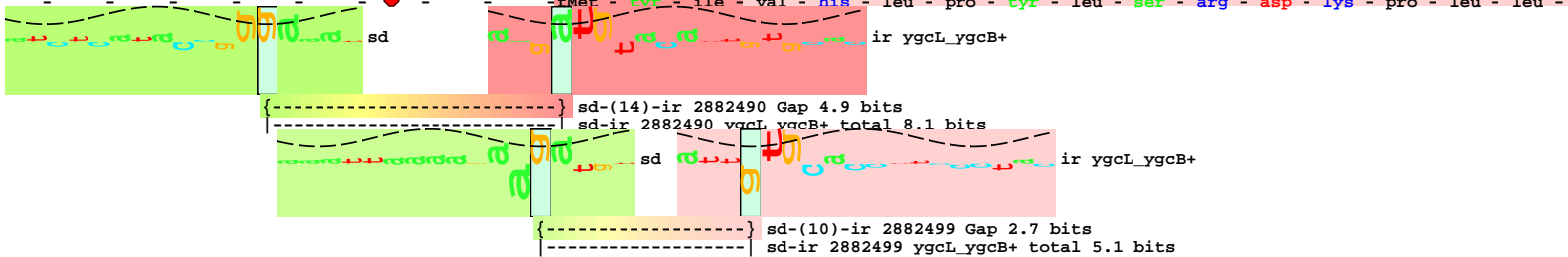
... } p35-(22)-p10 2882386 Gap 2.3 bits
 } p35-p10 2882386 total 6.0 bits
 ... } p35-(23)-p10 2882387 Gap 1.4 bits
 } p35-p10 2882387 total 6.4 bits
 ... } p35-(25)-p10 2882389 Gap 4.0 bits
 } p35-p10 2882389 total 8.3 bits

p35 0.9 bits

..... } p35-(21)-p10 2882439 Gap 3.3 bits
 } p35-p10 2882439 total 5.3 bits
 } p35-(24)-p10 2882448 Gap 2.4 bits
 } p35-p10 2882448 total 5.4 bits
 } p35-p10 2882450 total 4.6 bits

..... } p35-(23)-p10 2882414 Gap 1.4 bits
 } p35-p10 2882414 total 4.1 bits

*2882460 * *2882470 * *2882480 * *2882490 * *2882500 * *2882510 * *2882520 * *2882530 *
 5' g a a t a t a a a t c t c a t a c c g g g a a a t t a a a a g a a g a t g t a c a t t g t g c a c c t t c c c t a c t t a a g t a g g g a t a a a c c g t t a t 3'
 - glu - tyr - lys - ile - ser - tyr - arg - glu - ile - lys - arg - arg - cys - thr - leu - cys - thr - phe - pro - thr - - - - -
 - asn - ile - lys - ser - his - thr - gly - lys - leu - lys - glu - asp - val - his - cys - ala - pro - ser - leu - leu - lys - - - - -



*2882540 * *2882550 * *2882560 * *2882570 * *2882580 * *2882590 *
 5' t g g t c t t a t t a t c g t c a t t g a t a a c a a t c a t t c c c g a a g t t a t t t g g g a t t t g c a g g g a 3'
 - val - leu - leu - ser - ser - leu - ile - thr - ile - ile - pro - glu - val - ile - trp - asp - leu - gln - gly -
 -fMet - gly - phe - ala - gly -

