

piece 1, NC_000913, ygdH_sdaC+, config: linear, direction: +, begin: 2925665, end: 2926270

*2925670 * *2925680 * *2925690 * *2925700 * *2925710 * *2925720 * *2925730 * *2925740 *

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

- tyr - ile - pro - cys - tyr - glu - ile - cys - thr - fMet - leu - pro - gly - phe - leu - val - phe - gly - his -

- thr - ser - leu - ala - thr - lys - ser - ala - arg - asn - leu - arg - ser - pro - gly - asp - val - cys - cys - arg - val - phe - ser - phe - leu - val - thr -

- his - pro - leu - leu - arg - asn - leu - his - val - ile - ser - ala - pro - pro - val - thr - phe - val - ala - gly - phe - ser - arg - phe - trp - ser - leu -

*2925750 * *2925760 * *2925770 * *2925780 * *2925790 * *2925800 * *2925810 * *2925820 *

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

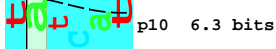
- leu - leu - ile - asn - ser - phe - his - leu - leu - tyr - glu - cys - phe - leu - pro - pro - ser - arg - asp - lys - tyr - his - his - ser -

- tyr - ser - ser - thr - his - phe - ile - cys - tyr - met - asn - val - ser - tyr - his - pro - his - ala - thr - asn - ile - ile - thr - val - asn - met - ser -

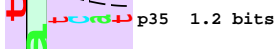
- thr - his - gln - leu - ile - ser - phe - val - ile - fMet - phe - leu - thr - thr - leu - thr - arg - gln - ile - ser - ser - gln - leu - ile - cys - his -



p35-(22)-p10 2925804 Gap 2.3 bits
p35-p10 2925804 total 4.7 bits



p35-(25)-p10 2925807 Gap 4.0 bits
p35-p10 2925807 total 6.8 bits



... p35-(22)-p10 2925829 Gap
... p35-p10 2925829 total 5.8

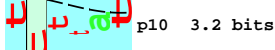
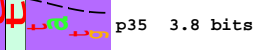
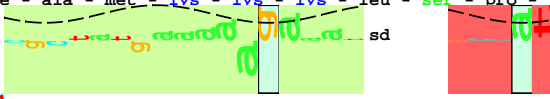
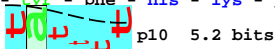
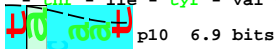
*2925830 * *2925840 * *2925850 * *2925860 * *2925870 * *2925880 * *2925890 * *2925900 *

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

- fMet - leu - gln - arg - lys - arg - phe - pro - ile - phe - ile - asn - arg - ile - leu - ser - leu -

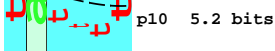
- tyr - asn - leu - cys - cys - asn - ala - asn - val - ser - leu - phe - ser -

- thr - ile - tyr - val - ala - thr - gln - thr - phe - pro - tyr - phe - his - lys - pro - tyr - phe - ile - ala - met - lys - lys - lys - leu - ser - pro - fMet -



sd-(12)-ir 2925906 Gap 4.0 bits
sd-ir 2925906 ygdH_sdaC+ total 9

p35-(26)-p10 2925860 Gap 3.7 bits
p35-p10 2925860 total 5.3 bits



p35-(23)-p10 2925863 Gap 1.4 bits
p35-p10 2925863 total 7.1 bits

... p35-(22)-p10 2925829 Gap 2.3 bits
... p35-p10 2925829 total 5.8 bits

p35-(21)-p10 2925875 Gap 3.3 bits
p35-p10 2925875 total 5.6 bits

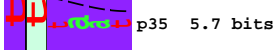
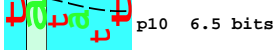
p35-(23)-p10 2925877 Gap 1.4 bits
p35-p10 2925877 total 5.5 bits

*2925910 * *2925920 * *2925930 * *2925940 * *2925950 * *2925960 * *2925970 * *2925980 *

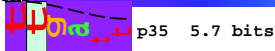
5' g a t t a a c t a a a a g t a t t g a t t t t t t c a g t t c a a c c t a c a t a t a t t g c g c c c g g a g a g a g t c a g a t g t c g t t a a t g g g 3'

- ile - asn - fMet - ile - phe - ser - val - gln - pro - thr - tyr - ile - ala - arg - pro - gly - arg - ser - gln - met - ser - phe - asn - gly -

- fMet - arg - ala - pro - glu - glu - val - arg - cys - arg - leu - met - gly -



orf 4 codons p35-(24)-p10 2925948 Gap 2.4 bits



... p35-(21)-p10 2926002 Gap

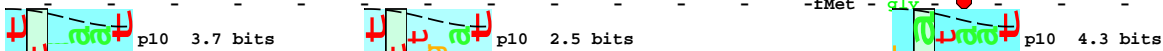
... p35-p10 2926002 total 6.1

p35-p10 2925948 total 9.8 bits

... p35-(22)-p10 2926003 Gap
... p35-p10 2926003 total 9.1

... p35-(24)-p10 2926005 Gap
... p35-p10 2926005 total 5.4

*2925990 * *2926000 * *2926010 * *2926020 * *2926030 * *2926040 * *2926050 * *2926060 *
5' caaataattgccccttaaatctctcttttaacttttgattttacagagtaaaagcgttgggataaatctatcttccaaagttagattatt 3'
- gln - ile - leu - pro - leu - asn - ser - leu - leu - leu - leu - ile - tyr - arg - val - lys - arg - trp - asp - asn - leu - ser - ser - lys -
- lys - tyr - cys - pro - - - - -fMet - gly - - - - -fMet -



... p35-(21)-p10 2926002 Gap 3.3 bits } p35-(24)-p10 2926044 Gap 2.4 bits

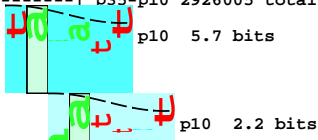
... p35-p10 2926002 total 6.1 bits } p35 5.7 bits } p10 5.2 bits

... p35-(22)-p10 2926003 Gap 2.3 bits } p35 5.5 bits

... p35-p10 2926003 total 9.1 bits } p35-p10 2926044 total 7.6 bits

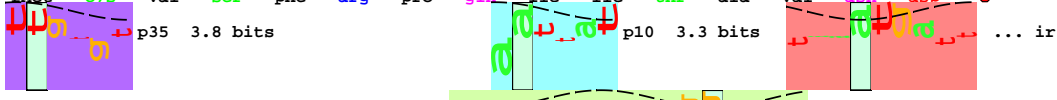
... p35-(24)-p10 2926005 Gap 2.4 bits } p35-(22)-p10 2926046 Gap 2.3 bits

... p35-p10 2926005 total 5.4 bits } p35-p10 2926046 total 8.4 bits



... p35-(23)-p10 2926019 Gap 1.4 bits } p35-p10 2926019 total 5.7 bits

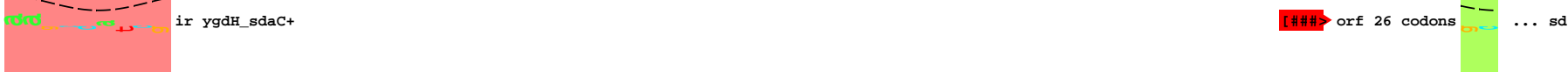
*2926070 * *2926080 * *2926090 * *2926100 * *2926110 * *2926120 * *2926130 * *2926140 * *2926150 *
5' gtattttgagatcaagatcactgatagatacataaacttgtgtgtatcttttcgcacctcaaatattatacggcggttaaatgattt 3'
- tyr - leu - arg - ser - arg - ser - leu - ile - asp - thr - - - -fMet - tyr - leu - ser - ala - leu - lys - leu - leu - arg - arg -
- tyr - leu - - - -fMet - cys - val - ser - phe - arg - pro - gln - ile - ile - thr - ala - val - asn - asp - - - -fMet - ile -



sd-(7)-ir 2926145 Gap 3.7 bits
sd-ir 2926145 ygdH_sdaC+ total 7.3 bits

... p35-(23)-p10 2926129 Gap 1.4 bits } p35-p10 2926129 total 5.7 bits

* *2926160 * *2926170 * *2926180 * *2926190 * *2926200 * *2926210 * *2926220 * *2926230 *
5' aagccatcggcgatagacagatttctatttttaacgggtcaggcacccttccgggctgaaactggctaaaagctgaattattttgct 3'
- lys - pro - ser - pro - ile - asp - arg - phe - his - phe - tyr - gly - gln - ala - pro - ser - arg - ala - glu - leu - ala - lys - ser -
- - - - -fMet - his -



* *2926240 * *2926250 * *2926260 * *2926270 *
5' attcctccaggagaaaatagatggaaaacgactcaaaaccag 3'
- ser - ser - arg - arg - asn - arg - trp - lys - arg - leu - lys - pro -

