

piece 1, NC_000913, TERM31_yecR-, config: linear, direction: -, begin: 1986275, end: 1985878

*1986270 * *1986260 * *1986250 * *1986240 * *1986230 * *1986220 * *1986210 * *1986200 *

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

- asn - glu - arg - val - arg - ile - arg - ser - leu - met - val - gln - pro - glu - glu - -fMet - leu - -

- met - lys - glu - ser - glu - ser - glu - val - ser - trp - ser - ser - gln - lys - ser - lys - arg - lys - his - tyr - phe - thr - arg - tyr - ser - ala - ala -

-----] NC_000913.yecR

*1986190 * *1986180 * *1986170 * *1986160 * *1986150 * *1986140 * *1986130 * *1986120 *

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

- arg - gln - trp - pro - glu - lys - thr - pro - gly - arg - arg - tyr - phe - leu - pro - ser - val - gly - val - arg - asn - arg - gly - ala - val - phe - -fMet - ile -

- thr - met - ala - gly - lys - asp - ala - trp - gln - ala - leu - phe - leu - ala - ile - cys - arg - cys - gln - lys - -fMet - ile -

-----] p35 1.8 bits

... p35-(22)-p10 1986100 Gap 2.3 bits

-----] p35-p10 1986100 total 5.1 bits

*1986110 * *1986100 * *1986090 * *1986080 * *1986070 * *1986060 * *1986050 * *1986040 *

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

- tyr - his - phe - tyr - asn - ile - lys - gly - val - phe - met - -fMet - ile - cys - ile - thr - -fMet - ile - phe - val - met - val - val - ile - leu -

- ile - ile - phe - phe - ile - thr - leu - lys - lys - gly - tyr - leu - cys - asp - leu - tyr - his - ile - lys - ile - asp - phe - cys - asp - gly - cys - his - ile - ile -

-----] p10 5.6 bits

-----] ir TERM31_yecR-

... p35-(22)-p10 1986100 Gap 2.3 bits

-----] orf 2 codons

-----] orf 6 codons

-----] p10

... p35-p10 1986100 total 5.1 bits

-----] ir TERM31_yecR-

-----] p10

sd

sd

-----] p35 5.5 bits

-----] sd-(6)-ir 1986082 Gap 4.3 bits

-----] sd-(14)-ir 1986047 Gap 4.9 bits

-----] sd-ir 1986082 TERM31_yecR- total 6.2 bits

-----] p35 5.7 bits

-----] ... p35-(21)-p10 1986021 Gap

-----] sd-(8)-ir 1986080 Gap 2.4 bits

-----] sd-ir 1986080 TERM31_yecR- total 6.2 bits

-----] sd-ir 1986047 TERM31_yecR- total 5.1 bits

-----] p35-(22)-p10 1986036 Gap 2.3 bits

-----] p35-p10 1986036 total 10.4 bits

-----] p35-(25)-p10 1986033 Gap 4.0 bits

-----] p35-p10 1986033 total 5.0 bits

-----] ... p35-p10 1986021 total 5.1 bits

*1986030 * *1986020 * *1986010 * *1986000 * *1985990 * *1985980 * *1985970 * *1985960 *

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

- lys - arg - lys - asp - asn - asn - thr - cys - ile - thr - asn - gly - arg - ser - ala - ala - met - lys - leu - arg - lys - ile - leu - lys - ser - met - phe -

- ser - ala - lys - thr - ile - thr - pro - val - -fMet - val - gly - val - pro - arg - -

-----] orf 6 codons

-----] p10 2.9 bits

-----] sd

-----] ir TERM31_yecR-

-----] p10 4.6 bits

... p10 7.1 bits

-----] sd-(10)-ir 1985983 Gap 2.7 bits

... p10 3.3 bits

-----] sd-ir 1985983 TERM31_yecR- total 6.3 bits

-----] p35 3.3 bits

... -----} p35-(21)-p10 1986021 Gap 3.3 bits

-----} p35-(26)-p10 1985956 Gap 3.7 bits
-----} p35-p10 1985956 total 4.2 bits

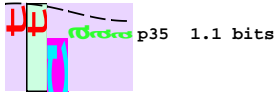
... -----| p35-p10 1986021 total 5.1 bits

*1985950 * *1985940 * *1985930 * *1985920 * *1985910 * *1985900 * *1985890 * *1985880

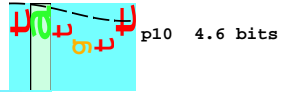
5' c a a t a a c t a t t g c a a g a c g t t c a a a g a c g t a c c g c c a g g c a a t a t g t t c c g a t a a c a a a a a c c t g c t c c g g c a 3'

- - - - -fMet - gln - asp - val - gln - arg - arg - thr - ala - arg - gln - tyr - val - pro - ile - thr - lys - asn - leu - leu - arg -

- - - - -asn - asn - tyr - cys - lys - thr - phe - lys - asp - val - pro - pro - gly - asn - met - phe - arg - - - - -



###> orf 29 codons



-----} p35-(23)-p10 1985908 Gap 1.4 bits
-----} p35-p10 1985908 total 4.2 bits