

piece 1, NC_000913, ansP_yncG-, config: linear, direction: -, begin: 1524300, end: 1523985

*1524300 * *1524290 * *1524280 * *1524270 * *1524260 * *1524250 * *1524240 * *1524230 * *1524220

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

- pro - ser - gly - tyr - ala - ile - his - leu - **asn** - his - met - pro - leu - thr - ile - phe - **lys** - **asp** - **-fMet** -

- his - pro - gly - thr - pro - tyr - thr - leu - ile - ile - cys - pro - ser - **gln** - ser - phe - **lys** - **asp** - **-fMet** -

- ile - arg - val - arg - his - thr - pro -

-----] NC_000913.yncG

*1524210 * *1524200 * *1524190 * *1524180 * *1524170 * *1524160 * *1524150 * *1524140

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

-fMet - ser - phe - phe - arg - **gln** - leu - tyr - **-fMet** -

-fMet - phe - **cys** - ile - val - tyr - arg -

p35 6.2 bits

... p35-(23)-p10 1524128 Gap
... p35-p10 1524128 total 9.4

*1524130 * *1524120 * *1524110 * *1524100 * *1524090 * *1524080 * *1524070 * *1524060

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

- ile - thr - gly - arg - met - leu - arg - arg - **-fMet** - val - ile - thr - ile - ile - ala - arg - met - **asn** - lys -

p10 4.6 bits

ir ansP_yncG- ... sd-(18)-ir 1524049 Gap

... p35-(23)-p10 1524128 Gap 1.4 bits



... p35-p10 1524128 total 9.4 bits

sd-(5)-ir 1524090 Gap 5.4 bits
sd-ir 1524090 ansP_yncG- total 8.3 bits

ir ansP_yncG-

sd-(8)-ir 1524087 Gap 2.4 bits
sd-ir 1524087 ansP_yncG- total 8.9 bits

*1524050 * *1524040 * *1524030 * *1524020 * *1524010 * *1524000 * *1523990 *

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

-fMet - phe - met - ala - thr - tyr - met - thr - phe - ser - leu - lvs - **aln** - ser - gly - arg - ala - met - ser - lys - his - asp - thr -

sd-(18)-ir 1524049 Gap 6.9 bits

sd [-----] ... NC_000913.ansP

sd [###] orf 19 codons

sd-ir 1524049 ansP_yncG- total 6.8 bits

sd-(7)-ir 1524004 Gap 3.7 bits

sd-ir 1524004 ansP_yncG- total 12.0 bits

ir ansP_yncG-

sd-(9)-ir 1524037 Gap 2.3 bits
sd-ir 1524037 ansP_yncG- total 7.1 bits