

piece 1, NC_000913, nagB_nagE+, config: linear, direction: +, begin: 702805, end: 703186

*702810 *702820 *702830 *702840 *702850 *702860 *702870 *702880 *

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

- phe - ser - gly - ser - gln - gly - asp - gln - ser - his - tyr - ser - pro - gln - fMet - ala - asp -

- ser - ala - val - val - arg - gly - ile - ser - leu - ile - ile - his - leu - asn - lys - fMet -

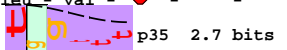
- gln - arg -

NC_000913.nagB

*702890 *702900 *702910 *702920 *702930 *702940 *702950 *702960 *

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

- fMet - arg - arg - gln - ala - ser - ile - arg - pro - asp - phe - leu - asn - asp - lys - ile - ser - phe - leu - val -



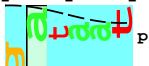
... p35-(23)-p10 702979 Gap
 ... p35-p10 702979 total 5.6

*702970 *702980 *702990 *703000 *703010 *703020 *703030 *703040 *

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

- fMet - ile - ile - thr - ile - phe - gly - asp - lys - thr - his - lys - arg - his - ala - phe - asn - leu - arg - tyr - glu - leu - asn - phe -

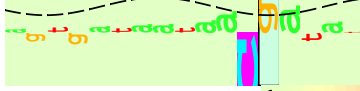
- fMet - val - thr - lys - leu - thr - lys - asp - thr - arg - leu - ile - cys - asp - thr - asn -



orfs 16 codons

... p35-(23)-p10 702979 Gap 1.4 bits
 ... p35-p10 702979 total 5.6 bits

... p35-(23)-p10 703051 Gap
 ... p35-p10 703051 total 5.8

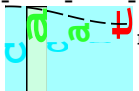


sd-(8)-ir 702995 Gap 2.4 bits
 sd-ir 702995 nagB_nagE+ total 6.1 bits

*703050 *703060 *703070 *703080 *703090 *703100 *703110 *703120 *

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

- his - thr - leu - cys - ser - arg - fMet - ile - fMet - gln - gln - asn - lys - asn - thr - ala - fMet -

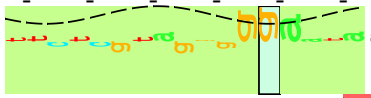


... p35-(23)-p10 703051 Gap 1.4 bits
 ... p35-p10 703051 total 5.8 bits

*703130 *703140 *703150 *703160 *703170 *703180 *

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

- lys - arg - ala - lys - fMet - ile - leu - gly - phe -



... NC_000913.nagE



sd-(7)-ir 703167 Gap 3.7 bits
 sd-ir 703167 nagB_nagE+ total 10.7 bits