

piece 1, NC_000913, asnB_RIP61+, config: linear, direction: +, begin: 698371, end: 698667

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

- asp - ile - glu - tyr - ala - lys - asn - fMet - leu - cys - leu - leu - val -

- ile - ser - asn - thr - pro - lys - ile - glu - his - ile - thr - phe - ser - val - asn - leu - val - phe - val - ala - cys - cys - val - cys - leu - phe - lys -

- tyr - arg - ile - arg - gln - lys - leu - asn - thr - fMet - leu - leu - val - val - phe - ala - cys - leu - lys -

NC_000913.asnB p10 4.5 bits p35 5.3 bits ... p35

p35 5.0 bits ... p35-(25)-p10 698453 Gap

p35-(22)-p10 698414 Gap 2.3 bits ... p35-(23)-p10 698471 Gap

p35-p10 698414 total 7.1 bits ... p35-p10 698471 total 4.4

... p35-p10 698453 total 5.2

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

- lys - met - pro - gln - ser - ser - thr - val - arg - lys - arg - phe - gly - gly - glu - lys - ile - lys - asn - val - met - val - ile - val - asp - trp -

- lys - cys - arg - lys - ala - ala - leu - cys - ala - ser - asp - leu - ala - val - lys - lys - fMet - ser - ile - gly - glu -

p35 5.6 bits p10 0.3 bits ... ir

p35-(25)-p10 698453 Gap 4.0 bits ... sd-(14)-ir 698530 Gap 4.9 bits

p35-(23)-p10 698471 Gap 1.4 bits ... sd-ir 698530 asnB_RIP61+ total 5.2

p35-p10 698471 total 4.4 bits ... p35

p35-p10 698453 total 5.2 bits ... p35-(23)-p10 698555 Gap

p10 3.8 bits ... p35-p10 698555 total 5.6

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

- lys - lys - gly - leu - val - fMet - asn - val - tyr - ile - leu - arg -

- lys - arg - ser - gly - val - arg - ile - tyr - leu - leu - met - arg - arg - fMet - phe - ile - phe - tyr - gly -

ir asnB_RIP61+ ir asnB_RIP61+ ir asnB_RIP61+

orf 7 codons orf 4 codons sd-(10)-ir 698597 Gap 2.7 bits

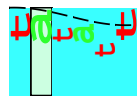
sd p10 2.4 bits

p35 0.6 bits sd-(13)-ir 698565 Gap 4.6 bits sd-ir 698597 asnB_RIP61+ total 6.8 bits

p35-(23)-p10 698555 Gap 1.4 bits p10 3.2 bits p10 6.5 bits

p35-p10 698555 total 5.6 bits p35 3.8 bits p10 5.2 bits

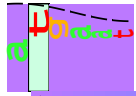
sd-ir 698565 asnB_RIP61+ total 7.7 bits p35 6.5 bits p35 4.6 bits



p10 6.5 bits

- 2 -

{-----} p35-(23)-p10 698602 Gap 1.4 bits

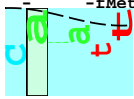


p35 3.5 bits

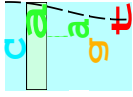
|-----| p35-p10 698602 total 4.7 bits

{-----} p35-(23)-p10 698589 Gap 1.4 bits {-----} ... p35-(22)-p10 698630 Gap
 |-----| p35-p10 698589 total 5.2 bits |-----| ... p35-p10 698630 total 4.5
 {-----} p35-(24)-p10 698603 Gap 2.4 bits
 |-----| p35-p10 698603 total 7.8 bits
 {-----} p35-(26)-p10 698605 Gap 3.7 bits
 |-----| p35-p10 698605 total 5.3 bits
 {-----} ... p35-(25)-p10 698619 Gap
 |-----| ... p35-p10 698619 total 5.4

* 698620 * 698630 * 698640 * 698650 * 698660 *
 5' g g g c c a a a t t t g c t g a c a a a g t g c g a t t t g t t c a t g c c g g a t g c g g c g t g a a c g c 3'
 - gly - pro - asn - cys - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - gly - gln - ile - ala - asp - lys - val - arg - phe - val - his - ala - gly - cys - gly - val - asn -
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -
 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -



p10 2.8 bits



p10 2.2 bits

{-----} p35-(22)-p10 698630 Gap 2.3 bits
 {-----} p35-p10 698630 total 4.5 bits

{-----} p35-(25)-p10 698619 Gap 4.0 bits
 {-----} p35-p10 698619 total 5.4 bits