

piece 1, NC_000913, yhjX_yhjY+, config: linear, direction: +, begin: 3710001, end: 3710278

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

- ala - gly - thr - leu - ile - ile - - - - - fMet - ala - val - phe - leu - gln - - - - -

- arg - val - arg - - - - - - - - - - - ser - trp - gln - tyr - ser - cys - ser - asn - lys - lys - glu - lys - ser - leu - pro - thr - thr - ile - thr -

... -----] NC_000913.yhjX ###> orf 7 codons sd ... sd

ir yhjX_yhjY+

sd

sd-(5)-ir 3710029 Gap 5.4 bits
sd-ir 3710029 yhjX_yhjY+ total 8.2 bits

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

- fMet - his - phe - met - pro - gly - glu - lys - arg - his - glu - met - pro - ser - glu - arg - asn - glu - met - pro - - - - - fMet -

- lvs - cvs - thr - leu - cvs - leu - glv - lvs - asn - gly - met - lys - cvs - his - glv - asn - gly - met - lys - cys - leu - ser - ser - gly - met - asn - asp -

... sd ir yhjX_yhjY+ sd ###> orf 18 codons ir ... ir

sd-(9)-ir 3710095 Gap 2.3 bits ir yhjX_yhjY+ ir yhjX_yhjY+ ir yhjX_yhjY+

sd-ir 3710095 yhjX_yhjY+ total 5.9 bits sd-(7)-ir 3710140 Gap 3.7 bits ... p35

sd

sd-ir 3710140 yhjX_yhjY+ total 5.3 bits p35-(26)-p10 3710187 Gap

sd-(10)-ir 3710114 Gap 2.7 bits sd |--- ... p35-p10 3710187 total 5.8

sd-ir 3710114 yhjX_yhjY+ total 9.0 bits sd-(6)-ir 3710160 Gap 4.3 bits
sd-ir 3710160 yhjX_yhjY+ total 7.3

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

- thr - arg - gln - leu - phe - thr - lys - phe - ile - ile - trp - - - - - fMet - val - ser -

- ala - thr - ile - ile - his - gln - ile - tyr - tvr - leu - val - ser - - - - - fMet - leu - phe - asn - gly - phe - asn -

... ir yhjX_yhjY+ p10 7.1 bits ###> orf 30 codons sd

###> orf 13 codons p10 2.8 bits sd-(9)-ir 3710247 Gap

... p35 2.4 bits p35 4.8 bits sd-ir 3710247 yhjX_yhjY+

... p35-(26)-p10 3710187 Gap 3.7 bits p35 5.7 bits

-----| p35-p10 3710187 total 5.8 bits
 {-----} p35-(24)-p10 3710209 Gap 2.4 bits
 |-----| p35-p10 3710209 total 5.2 bits

{-----} ... p35-(24)-p10 3710256 Gap
 |-----} ... p35-p10 3710256 total 6.4
 ... p35
 {-----} ... p35-(21)-p10 3710261 Gap
 {-----} ... p35-p10 3710261 total 9.5
 {-----} ... p35-(23)-p10 3710263 Gap
 {-----} ... p35-p10 3710263 total 5.2

* 3710250 * 3710260 * 3710270 *
 5' attgtgactgttaccgttataaatctggcgcctaaccc3'
 - ile - val - thr - val - thr - leu - lys - ser - gly - ala - asn -
 -fMet -
 - cys - asp - cys - tyr - val - lys - ile - trp - arg - - -

... NC_000913.yhjY

