piece 1, NC_000913, REP272_lldP+, config: linear, direction: +, begin: 3775091, end: 3775441
*3775100 *3775110 *3775120 *3775130 *3775140 *3775150 *3775160 *3775170
5′ g c c g a g t a a g g t g t t c a c g c c g c a t c c g g c a a g a t a a g g c g c t c t g g a t c a a c a a c c t a a g g c a a t t c t c t g a t g a g g a t 3′
- ala - glu -
- pro - ser - lys - val - phe - thr - pro - his - pro - ala - arg -
- arg - val - arg - cys - ser - arg - arg - ile - arg - gln - asp - lys - ala - leu - trp - ile - asn - asn - leu - arg - ala - ile - leu -
-fMet - arg - ile -
-fMet -
sd
... ir
{----------} sd-(11)-ir 3775164 Gap 3.0 bits
|----------| sd-ir 3775164 REP272_lldP+ total 6.9
*3775180 *3775190 *3775200 *3775210 *3775220 *3775230 *3775240 *3775250
5′ t g c c c t t t t c t t t a c c a g a c a t c t c c c c c c a c a a g a a t t g g c c c t a c c a a t t c t t c g c t t a t c t g a c c t c t g g t t c a c a a t 3′
- ala - leu - phe - phe - thr - arg - his - leu - pro - pro - gln - glu - leu - ala - leu - pro - ile - leu - arg - leu - ser - asp - leu - trp - phe - thr - ile -
- pro - phe - ser - leu - pro - asp - ile - ser - pro - his - lys - asn - trp - pro - tyr - gln - phe - phe - ala - tyr - leu - thr - ser - gly - ser - gln - phe -
... ir REP272_lldP+
p10 2.8 bits
p35 4.1 bits
{----------} p35-(22)-p10 3775205 Gap 2.3 bits
|----------| p35-p10 3775205 total 4.6 bits
*3775260 *3775270 *3775280 *3775290 *3775300 *3775310 *3775320 *3775330
5′ t t c c c a a t t a a a a c t c a c a t c a a t g t t g c c a a t a c a t a a c a t t t a g t t a a c c a t t c a t t g t c a t t a t c c c t a c a c a a c a c a c a 3′
- ser - gln - leu - lys - leu - thr - ser - met - leu - pro - ile - his - asn - ile -
- pro - asn -
-fMet - ser - leu - ser - leu - his - asn - thr -
p35 6.1 bits
[###> orf 45 codons
p10 1.1 bits
{----------} p35-(23)-p10 3775302 Gap 1.4 bits
|----------| p35-p10 3775302 total 5.7 bits
*3775340 *3775350 *3775360 *3775370 *3775380 *3775390 *3775400 *3775410
5′ a t t g g c a g t g c c a c t t t t a c a c a a c g t g t g a c a a g g a g a t g a g c a a c a g a c t c a t t a c a c g a t g t g c g t g g a c t c c a g g a g 3′
- ile - gly - ser - ala - thr - phe - thr - gln - arg - val - thr - arg - arg -
-fMet - ala - val - pro - leu - leu - his - asn - val -
-fMet - arg - gly - leu - gln - glu -
-fMet - cys - val - asp - ser - arg - arg -
-fMet - ser - asn - arg - leu - ile - thr - arg - cys - ala - trp - thr - pro - gly - asp -
... sd
{----- ... sd-(10)-ir 3775422
|----- ... sd-ir 3775422 REP2
*3775420 *3775430 *3775440
5′ a c c t g c a a t g a a t c t c t g g c a a c a a a a 3′
- thr - cys - asn - glu - ser - leu - ala - thr - lys -
- pro - ala - met - asn - leu - trp - gln - gln -
- leu - gln -
... sd
[---------- ... NC_000913.lldP
... ----------} sd-(10)-ir 3775422 Gap 2.7 bits
... ----------| sd-ir 3775422 REP272 lldP+ total 8.9 bits
ir REP272_lldP+