

piece 1, NC_000913, fliE_fliF+, config: linear, direction: +, begin: 2011009, end: 2011272

*2011010 * *2011020 * *2011030 * *2011040 * *2011050 * *2011060 * *2011070 * *2011080 *

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

- asn - pro - phe - asn - pro - leu - tyr - arg - ● - asp - ile - leu - val - ser - arg - ile - ile - ser - gly - ser - lys - ala - tyr - gln - ● -

- thr - pro - ser - ile - pro - cys - ile - ala - ● - -fMet - pro - ile - thr - pro - ser - ile - ile - ser - his - glu - val - arg -

- pro - leu - gln - ser - pro - val - ser - leu - thr - phe - ser - ser - pro - gly - ● -

-----] NC_000913.fliE

*2011090 * *2011100 * *2011110 * *2011120 * *2011130 * *2011140 * *2011150 * *2011160 * *2011170

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

-fMet - ala - asp - arg - lys - lys - arg - lys - his - lys - ● -fMet - gly - ala - ser -

... ir

sd

sd-(13)-ir 2011159 Gap 4.6 bits
sd-ir 2011159 fliE_fliF+ total 6.8 bits

*2011180 * *2011190 * *2011200 * *2011210 * *2011220 * *2011230 * *2011240 * *2011250

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

- ile - phe - arg - val - cys - ● - -fMet - ser - leu - val - pro - leu - cys - gln - ● - -fMet - pro - ile - thr - pro - ser - ile - ile - ser - his - glu - val - arg -

-fMet - leu - thr - arg - glu - ● - -fMet - phe - his - phe - ala - asn - asn - ala - val - his - asn - gln - pro - arg - gly - ala - arg -

... ir fliE_fliF+ [###> orf 10 codons ... ir

sd

... sd-(7)-ir 2011253 Gap
... sd-ir 2011253 fliE_fliF+

*2011260 * *2011270

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

- asp - glu - cys - asp - cys - ser - pro -

-fMet - asn - ala - thr - ala - ala -

-fMet - arg - leu - gln - pro -

... ir fliE_fliF+

-----] NC_000913.fliF

sd-(7)-ir 2011253 Gap 3.7 bits
sd-ir 2011253 fliE_fliF+ total 6.5 bits