

Figure 1: Alignment of *cefF* (SEQ ID NO 1)

MADTPVPIFNLAALREGADQEKFRECVTGMGVFYLTGYGAGDKDHRLATDTAMDDFFANGT
EAEKAAVTTDVPTMRRGYSALEAESTAQVTRTGSYTDYSMSFSMGISGNVFPSPFEFERVW
EPRRMAPHYDLSIITFIHQTPCANGFVSLQAEIGGELVSLPVVEDAVVVMCGAMAPLATQ
GALPAPRHHVRS PGAGMREGSDRTSSVFFLRPTTDFSFSAKARSYGLAVDLDMETATFG
DWIGTNYVTMHAKNEPQAG

Figure 2: Nucleotide sequence and their corresponding amino acid sequence (SEQ ID NO 1)

1 atggcggacacgcccgtaccgatcttcaacctcgccgcactgcggaaggcgccgatcag
M A D T P V P I F N L A A L R E G A D Q
61 gagaagttccgcgagtgcgtgaccgggatgggggtcttctacctcaccgggtacggcgcc
E K F R E C V T G M G V F Y L T G Y G A
121 ggggataaggaccaccggctggccacggacacggcgatggacttcttcggaacggcacc
G D K D H R L A T D T A M D F F A N G T
181 gaggccgagaaggcgccgtgaccacggacgtcccgaccatgcggcgcggtactccgcg
E A E K A A V T T D V P T M R R G Y S A
241 ctggaggccgagagcaccgcccaggtgaccaggaccgggttcctacacggactactcgatg
L E A E S T A Q V T R T G S Y T D Y S M
301 tccttctccatgggcatctcgggcaacgtcttccctcgccggagtccgagcgggtgtgg
S F S M G I S G N V F P S P E F E R V W
361 acggagtacttcgacaagctctacgcggcgccccaggagacggcgcggtgtgtgacc
T E Y F D K L Y A A A Q E T A R L V L T
421 gcgagcggcggtatgacgcggagatcgtcggaagcctggacgagctgctggacgccgac
A S G G Y D A E I V G S L D E L L D A D
481 cccgtgctgcggctgcggtacttccccgaggtgcccgagcaccgggtccgccgagcacgag
P V L R L R Y F P E V P E H R S A E H E
541 ccgcgcgggatggccccgcactacgacctgtcgatcatcaccttcacccagacgccg
P R R M A P H Y D L S I I T F I H Q T P
601 tgcgccaacggcttcgtcagcctccaggccgagatcggcggcgaaactgggtgagcctgccc
C A N G F V S L Q A E I G G E L V S L P
661 gtcgtggaggacgccgtcgtcgtgatgtgcggcgcgatggccccgctggcgacccagggc
V V E D A V V V M C G A M A P L A T Q G
721 gcgctgcccgcgccccggcaccacgtccgggtcccccggcgcgggtatgcgcgagggcagc
A L P A P R H H V R S P G A G M R E G S
781 gaccgcacgtcgagcgtcttcttctcgtgcgccccacgaccgacttctcgttctcgggtggcc
D R T S S V F F L R P T T D F S F S V A
841 aaggcccgagctacggcctcgccgtcgacctcgacatggagacggccaccttcggcgac
K A R S Y G L A V D L D M E T A T F G D
901 tggatcggcaccaactacgtcaccatgcacgcgaagaacgagccgcaggccgga 954
W I G T N Y V T M H A K N E P Q A G