

1 ctgcaggcagcaaaaccacggttaatcaaacgcgcgagcacccgcagctgcgcagcgg 60
A G S K T T V I K R A S T A A A P A A
61 ccgttgcggcactgcctgcaggccctgctcccaaaggctggggatggccttctaattggca 120
V A A L P A G P A P K G W G W P S N G I
121 ttttgattggcaattttcttcaaacggtagtttgaataaaggattatgatatcgccggag 180
L I G K F S S N G S T L N K G I D I A G D
181 atttgggacagcctgttttggctgcgtctgatgggtcagttgtttacgccggcagtggtat 240
L G Q P V L A A S D G S V V Y A G S G L
241 tgaggggctacggcgcaattagtcacatcaagcacagcgatacctacgtcagtgcttacg 300
R C G Y G E L T V I I K H S D T Y V S A A Y G
301 gccacaacccgtaggctgttggttcgggagggcgagcaggtcaaggctggacagacaattg 360
H N R R L L V R E G Q Q V K V G Q T I A
361 ccgaaatgggggtcaactgggtacagaccgggtgaaacttcactttgagattcgccgtcagg 420
E M G S T G T D R V K L H F E I R R Q G
421 gtaaacctgtagatccacttccattctccacgcggttgatCGCTTACCAGCCTGTTCC 480
K P V D P L Q F L P R R *
481 TGATGTAGTTAAGGAACAGGCTCCAGCATTGCCAAGGATATAGGCGAAGCTTGAGCTTGA 540
541 GGTCGAACTCACCAAGGACTACAACAatggctctcagtaaagaagccccggggtttgac 600
M A L S K E A P G F D
601 atcgacgatgagggtgcctcttatggactccggctcgacagcagcttagtgcagaagac 660
I D D E V L L M D S G I D S D L M S E D
661 gacgaatcaaccctactgcccgcaccaagtccaaaaagcgaccgctacaaaacagcac 720
D E S T P T A R T K S K K A T A T K Q H
721 aagtacattgactacacccgggcgctcgatgcgacccagctgtatctcaatgaaattggc 780
K Y I D Y T R A L D A T Q L Y L N E I G
781 ttttctccgttactctccccagcagaagaagttcattttgcgcgcttgcgcaaaagtggga 840
F S P L L S P A E E V H F A R L S Q S G
841 gatccggccggggcgcaagcgcatgattgaaagcaacttgcgtctggtggtgaaaatcgcc 900
D P A G R K R M I E S N L R L V V K I A
901 cgtcgctacgtcaatcggtgggctctcgctactggatctgattgaagaggggcaacctggga 960
R R Y V N R G L S L L D L I E E G N L G
961 ctgattcgcgcagtagagaagttgaccccgagcgggtttccgcttctcgacttaacggc 1020
L I R A V E K F D P E R G F R F S T Y A
1021 acctgggtggatccgcagacgattgaacggggcgatcatgaatcagaccgcaccattcgt 1080
T W W I R Q T I E R A I M N Q T R T I R
1081 ttgccgattcatgtcgtcaaagagctcaatgtctacttgcgggctgcacgcgaacttacg 1140
L P I H V V K E L N V Y L R A A R E L T
1141 caaaagctcgatcacgaaccttccctgaagaaattgccaatctgctcgaaaaacccgtc 1200
Q K L D H E P S P E E I A N L L E K P V
1201 gcagaggtcaagcgcatgcttggactgaatgagcgggtgtcctcggtggatgtttcttta 1260
A E V K R M L G L N E R V S S V D V S L
1261 ggccctgattccgataaaacctgctcgataccctgacagatgatcgacctacagatcct 1320
G P D S D K T L L D T L T D D R P T D P
1321 tgctagctgcttcaggacgatgacctgtcgcaagtatcgatcagtggttgtctgaactt 1380
C * L L Q D D D L S Q S I D Q W L S E L
1381 acagacaagcagcgtgaggtggtgattcgccgcttcggggtgctggtgcatgaaagcagt 1440
T D K Q R E V V I R R F G L R G H E S S
1441 accctcgaagatgttgggtctggagattgggtctgacacgcgaacgtgttcggcagattcaa 1500
T L E D V G L E I G L T R E R V R Q I Q
1501 gtcgaggggctcaagcggttgcgcgagatccttgagcgcaacgggttgtccagtgagtcg 1560
V E G L K R L R E I L E R N G L S S E S
1561 ctgtttcagtaaCAGGCATCTGCTCGCTAAAAAGCCCCGAAATATTCGGGGCTTTTTTG 1620
L F Q *
p-independent terminator
1621 TGCCCGCAGAATCTGGACCGCTGCTGCCAAGGGGTTTTTTTGTAGTGCCTGCGGGTGACCG 1680
1681 GTCAGTCTCAAAAGTGCAGTCAGGCAGGGGTTGGAACCTTATCTGTCATGGGCTGTAAGC 1740
1741 CTTTGCTTACCTTTTCATGTAAGCCAAGGGCGAAAAACAGGCTTGCGGATAGTTTGCTTCTG 1800
1801 ACTTTCATAGGTTGTAAGTGAATTTAAACATTTTTATTGTTTTGTAAAGTCTGATC 1860
1861 CGGATTAAAAACCTTAACTGATGCCTTGACGCCATTCTTAAAGTCTTTAGTATCTCAA 1920
1921 CTGTGCCGACGGATCGACACAGTGTCAAGGATGAGTGCTCAGGGACAATCGCAGGACGT 1980
1981 GATTCACTCAGGATGATGAAGGGACAAAGGGAATAGGGAAAAAATGTGGGCGGGTCAAA 2040
2041 CCGCCCTTTTTTGGCTTGAA 2062