

ATGAAGAACTTCATCCTGCTGGCCGTGTCCTCTATCCTGCTGGTGGACCTGCTGCCACCCACTTCGAGGCACAACGTGGACCTGTCCAGGGCCATCAAC
M K N F I L L A V S S I L L V D L L P T H F E H N V D L S R A I N
ATGAAGAACTTCATCCTGCTGGCCGTGTCCTCTATCCTGCTGGTGGACCTGCTGCCACCCACTTCGAGGCACAACGTGGACCTGTCCAGGGCCATCAAC
M K N F I L L A V S S I L L V D L L P T H F E H N V D L S R A I N
100 GTGAACGGCGTGTCTTCAACAATGTGGACACCTCCAGCCTGGGAGCCGCCAGGTCCGCCAGTCCGCCTCTAGAGGAAGAGGCCTGGGCGAGAAGCCC
V N G V S F N N V D T S S L G A A Q V R Q S A S R G R G L G E K P
GTGAACGGCGTGTCTTCAACAATGTGGACACCTCCAGCCTGGGAGCCGCCAGGTCCGCCAGTCCGCCTCTAGAGGAAGAGGCCTGGGCGAGAAGCCC
V N G V S F N N V D T S S L G A A Q V R Q S A S R G R G L G E K P
200 AAAGAGGGGCGCCGACAAAGAGAAGAAGAAAGAGAAGGGTAAAGAGAAAGAGGAAGAACCACAAGAAGCCCAACGAGAACAAGCTGAAGCAGCCAAACGAG
K E G A D K E K K K E K G K E K E E E P K K P N E N K L K Q P N E
AAAGAGGGGCGCCGACAAAGAGAAGAAGAAAGAGAAGGGTAAAGAGAAAGAGGAAGAACCACAAGAAGCCCAACGAGAACAAGCTGAAGCAGCCAAACGAG
K E G A D K E K K K E K G K E K E E E P K K P N E N K L K Q P N E
300 GGCCAGCCCCAGGCTCAGGGCGACGGCGCTAATGCTGGACAGCCACAGGCCCAGGGGGATGGGGCCAACGCCGGACAGCCTCAGGCTCAGGGGGATGGC
G Q P Q A Q G D G A N A G Q P Q A Q G D G A N A G Q P Q A Q G D G
GGCCAGCCCCAGGCTCAGGGCGACGGCGCTAATGCTGGACAGCCACAGGCCCAGGGGGATGGGGCCAACGCCGGACAGCCTCAGGCTCAGGGGGATGGC
G Q P Q A Q G D G A N A G Q P Q A Q G D G A N A G Q P Q A Q G D G
400 GCCAATGCTGGCCAGCCACAGGCTCAGGGGGATGGCGCTAATGCCGGGCAGCCTCAGGCTCAGGGGCGACGGGGCTAACGCCGGCCAGCCACAGGCCCAG
A N A G Q P Q A Q G D G A N A G Q P Q A Q G D G A N A G Q P Q A Q
GCCAATGCTGGCCAGCCACAGGCTCAGGGGGATGGCGCTAATGCCGGGCAGCCTCAGGCTCAGGGGCGACGGGGCTAACGCCGGCCAGCCACAGGCCCAG
A N A G Q P Q A Q G D G A N A G Q P Q A Q G D G A N A G Q P Q A Q
500 GGCGACGGGGCCAATGCTGGGCAGCCCCAGGCCCAGGGCGACGGCGCCAATGCCGGCCAGCCTCAGGCCCAGGGGGATGGCGCTAACGCTGGACAGCCC
G D G A N A G Q P Q A Q G D G A N A G Q P Q A Q G D G A N A G Q P
GGCGACGGGGCCAATGCTGGGCAGCCCCAGGCCCAGGGCGACGGCGCCAATGCCGGCCAGCCTCAGGCCCAGGGGGATGGCGCTAACGCTGGACAGCCC
G D G A N A G Q P Q A Q G D G A N A G Q P Q A Q G D G A N A G Q P
600 CAGGCTCAGGGGGAC-----
Q A Q G D -----
CAGGCTCAGGGGGACGGGGCTAACGCTGGACAGCCACAGGCTCAGGGCGACGGCGCCAACGCCGGACAGCCCCAGGCCCAGGGCGATAGAGCTAACGCC
Q A Q G D G A N A G Q P Q A Q G D G A N A G Q P Q A Q G D A R A N A
700 -----
-----GGGGTCAATGTGCCCAGGCAGGGAAGAAACGGCGGAGGCGCCCCAGCCGGCGGAAACGAGGGAAACAAGCAGGCC
-----G V N V P R Q G R N G G G A P A G G N E G N K Q A
GGGCAGCCACAGGCTCAGGGGGATGGGGCCAATGTGCCAGGCAGGGAAGAAACGGCGGAGGCGCCCCAGCCGGCGGAAACGAGGGAAACAAGCAGGCC
G Q P Q A Q G D G A N V P R Q G R N G G G A P A G G N E G N K Q A
800 GGCAAGGGGCCAGGGCCAGAACAACCAGGGGGCTAATGCCCCAAACGAGAAGGTGGTGAACGACTACCTGCACAAGATCAGGTCCTCCGTGACCACCGAG
G K G Q G Q N N Q G A N A P N E K V V N D Y L H K I R S S V T T E
GGCAAGGGGCCAGGGCCAGAACAACCAGGGGGCTAATGCCCCAAACGAGAAGGTGGTGAACGACTACCTGCACAAGATCAGGTCCTCCGTGACCACCGAG
G K G Q G Q N N Q G A N A P N E K V V N D Y L H K I R S S V T T E
900 TGGACCCCCTGCTCCGTGACCTGCGGCAATGGCGTGCGCATCAGAAGAAAGGCCACGCGGCAACAAGAAGGCCGAGGACCTGACCATGGACGACCTG
W T P C S V T C G N G V R I R R K A H A G N K K A E D L T M D D L
TGGACCCCCTGCTCCGTGACCTGCGGCAATGGCGTGCGCATCAGAAGAAAGGCCACGCGGCAACAAGAAGGCCGAGGACCTGACCATGGACGACCTG
W T P C S V T C G N G V R I R R K A H A G N K K A E D L T M D D L
1,000 GAAGTGGAAGCCTGCGTGATGGACAAGTGCGCCGGCATCTTCAACGTGGTGTCCAACCTCCCTGGGCGACTACAAGGACGACGACGACAAATGA
E V E A C V M D K C A G I F N V V S N S L G D Y K D D D D K *
GAAGTGGAAGCCTGCGTGATGGACAAGTGCGCCGGCATCTTCAACGTGGTGTCCAACCTCCCTGGGCGACTACAAGGACGACGACGACAAATGA
E V E A C V M D K C A G I F N V V S N S L G D Y K D D D D K *