

GCTCCTGAGACCGGGGGGGCACACGGGGGCTCTGTGGCCCCCGCGTAGCAGTGGCTGCCGCCGTCGCTTGGTTCCCGTCGGTCTGCGGGAGGCGGG 95
1 TTATGGCGGGCGGCGGAGCTGAGAGCTGTGAATGAATTCTCCGGGTGGACGAGGGAAGAAGAAAGGCTCCGGCGGCGCCAGCAACCCGGTGCCTCC 190
1 M N S P G G R G K K K G S G G A S N P V P P
CAGGCCCTCGCCCCCTTGCTGGCCCCGCCCTCCCGCCGCGGGGCCGGCCCCCTCCGCCGAGTCGCCGCATAAGCGGAACTGTACTATTTCT 285
23 R P P P P C L A P A P P A A G P A P P P E S P H K R N L Y Y F S
CCTACCCGCTGTTTGTAGGCTTCGCGCTGCTGCGTTTGGTGCCTTCCACCTGGGGCTCCTCTTCGTGTGGCTCTGCCAGCGCTTCTCCCGCGCC 380
55 Y P L F V G F A L L R L V A F H L G L L F V W L C Q R F S R A
CTCATGGCAGCCAAAGAGGAGCTCCGGGGCCGGC CAGCACCTGCCTCGGCCCTCGGGCCCGCGCGGTGCCGGGCGGGAGGCCGAGCGCGCTCCG 475
86 L M A A K R S S G A A P A P A S A S A P A P V P G G E A E R V R
AGTCTTCCACAAACAGGCCTTCGAGTACATCTCCATTGCCCTGCGCATCGATGAGGATGAGAAAAGAGGACAGAAGGAGCAAGCTGTGGAATGGT 570
118 V F H K Q A F E Y I S I A L R I D E D E K A 2 G Q K E Q A V E W Y
ATAAGAAAGGTATTGAAGAAC TGGAAAAAGGAATAGCTGTTATAGTTACAGGACAAGCTGAAACAGTGTGAAAGAGCTAGACGCCTTCAAGCTAAA 665
150 K K G I E A L E K G I A V I V T G G 3 E Q C E R A R R L Q A K
ATGATGACTAATTTGTTATGGCCAAGGACCGCTTACAACCTTCTAGAGAAAGATGCAACCAAGTTTTCATTTC AAGTCAACAAACGGACGCTCA 760
181 M M T N L V M A K D R L Q L L E 4 K M Q P V L P F S K S Q T D V Y
TAATGACAGTACTAATCTGGCATGCCGCAATGGACATCTCCAGTCAAGAAAGTGGAGCTGTTCCAAAAAGAAAAGACCCCTTAACACACACTAGTA 855
213 N D S T N L A C R N G H L Q S E 5 S G A V P K R K D P L T H T S N
ATTCAGTGCCTCGTTCAAAAACAGTTATGAAAAC TGGATCTGCAGGCCCTTTCAGGCCACCATAGAGCACCTAGTTACAGTGGTTTATCCATGGTT 950
245 S L P R S K T V M K T G S A G L S G H H R A P S Y S G L S M V
TCTGGAGTGAAACAGGGATCTGGTCTGCTCCTACCCTCATAAGCTTACTCCGAAAAACAAATAGGACAAATAAACCTTCTACCCTACAACCTGC 1045
276 S G V K Q G S G P A P T T H K G 6 T P K T N R T N K P S T P T T A
TACTCGTAAGAAAAAGACTTGAAGAATTTTAGGAATGTGGACAGCAACCTTGCTAACCTTATAATGAATGAAATTGTGGACAAATGGAACAGCTG 1140
308 T R K K K D L K N F R N V D S N L A N L I M N E I V D N G 7 T A V
TTAAATTTGATGATATAGCTGGTCAAGACTTGGCAAAACAAGCATTGCAAGAAATTTGTTATTTCTCTCTCTGAGGCCCTGAGTTGTTTACAGGG 1235
340 K F D D I A G Q D L A K Q A L Q E I V I L P E S L R P E L 8 F T G
CTTAGAGCTCCTGCCAGAGGGCTGTTACTCTTTGGTCCACCTGGGAATGGGAAGACAATGCTGCTCTAAAGCAGTAGCTGCGAATCGAATGCAAC 1330
371 L R A P A R G L L L F G P P G N G K T M L A 9 K A V A A E S N A T
CTTCTTTAATAAAGTGTGCAAGTTTAACTTCAAAAATACCTGGGAGAAGGAGAGAAAATTGGTGAGGGCTCTTTTGGTGTGGCTCGAGAACTTC 1425
403 F F N I S A A S A L T S K Y V 10 G E G E K L V R A L F A V A R E L Q
AACCTTCTATAATTTTATAGTGAAGTTGATAGCCTTTTGTGTGAAAGAAGAGAGGAGCAGCAGTGTAGTAGACGCCTAAAACTGAATTT 1520
435 P S I I F I D 11 E V D S L L C E R R E G E H D A S R R L K T E F
CTAATAGAATTTGATGGTCTACAGTCTGCTGGAGATGACAGAGTACTTGTAAATGGGTGCAACTAATAGGCCACAAGAGCTTGTAGAGGCTGTTCT 1615
466 L I E F D G V 12 Q S A G D D R V L V M G A T N R P Q E L D E A V L
CAGCCGTTTTCATCAACCGGTATATGTGCTTTTACCAATGAGGAGCAACACTACTTTTGTCTAAAAATCTGTTATGTAAACAAGGAAGTCCAT 1710
498 R 13 R F I K R V Y V S L P N E E T 14 R L L L L L K N L L C K Q G S P L
TGACCCAAAAAGAAC TAGCACAACTTGTAGTAACTGACTGATGATACTCAGGAAGTGACCTAACAGCTTGGCAAAAGATG CAGCACTGGGTCCCT 1805
530 T Q K E L A Q L A R M 15 T D G Y S G S D L T A L A K D A A L G P
ATCCGAGTACTAAAACCCAGAACAGGTGAAGAATATGCTCTGCAGTGAGTGTGAGAAATATTC GATTATCTGACTTCACTGAATCCTTGAAAAAAAT 1900
561 I R E 16 L K P E Q V K N M S A S E M 17 R N I R L S D F T E S L K K I
AAAACGCAGCGTCAGCCCTCAAACCTTTAGAAGCGTACATAC GTTGGAAACAAGGACTTTGGAGATACC ACTGTTTAAAGGAAATACCTTTGTAACC 1995
593 K R S A V S P Q T L E A Y I R W N K D F G D T T V *
TGCAGAACATTTTACTTAAAAAGAGGAAAACACAAGATCTTCAATGAACTGCTACGGCTACAGAAAACAGCCTAAGTTTACAGGACTTTTGTAGTCT 2090
2185 TACATATTTGTGCACCAAACCTGAAGATGAACCAAGAAAACAGACTTAAACAAAAATATACAATGCAAAATGTAATTTTTTGTGTTTAAAGGCCTTGC
2280 CTTGATGGTACAGTTATCCC AATGGACACTAAGTTAGAGCACAAACAAACCTGATTCTGGTCTTCTTTACCAATATAATCATAATGTAATAAT
2375 AATTTGTATATGTGTTGCAGATGAAAGTATTCAGGAACAGTGAATGTTAGAAAGACACAAGAACATTTGTTTGTGTTTCTCTGATGTTTTC
2470 TTAAAAATGTAATTTCTCCTACTTTTCTTTTCTACTGTTGCTTAACTACAGGTGATTGGAATGCCAAACACTCTTAAAGTTTATTTTCTTTTTC
2565 GTTTTATAAATTCAGTGTGCCAAATGAAACTTTTTCCTAAAGTAACTGTAATAGGAAAAAGTTTATTTGAGAGTTTCTTCTTCAATAATCTACA
2660 GACATTAACAATTTGTTGTTCTTTTACCTTTTATTTTCTATTACTCTGCTACCAAAACAGTTTATGATAGCAATATAATAGCAAAAAAGCAAAA
2755 TATGGTAAAAATAGAGAAGGTTTGAAGGTTTGAAGTACTCTGTCATATAACATGTAGATCAGTCTTCACTGTGACCTGCAGTATTTTTTTTCTAAT
2850 GTATTTGT CAGAAATCTGTTGTAGACTGTTAACTTCTTCTGATGGAATTTATTTCTGCAAGAATTTCTGATATTTAAGAGAGCCAAATTTA
2945 ACTGCTGTGAAAAATGTTTCCAGTGCAGAGAAAGGAAATAC TAGGAAC TAAGACATTTCTAATTTATGCTTATTAATTTTACAGGA
3040 TAATTAAGCAAGTGGAACTACCATCTTTTATCTTAATAATTATTAATCCCTTCAATGAAACTTTAAAAAACTGAATTTTTTATACATGGCAT
3135 ACATTTTTCTAGTTCCTTCTGCTTGTCTTTATTAAC TCAAAAAGTCTAGTCTAGTCTGTTGATCTGCCTTTTGTCTCCAAAAATGTACAGTAAT
3230 TCCATTTGTTTGTATAAAATAGCTGGATTTTCAATATAAAAAATGTCATTGTAGGGAGTAGAGACTCATATCATGGCCTTTTAAATATTGTAATA
AAGGCCAAATAGATATTTGCCCTTAGTTTACTGG 3263