## SUPPLEMENTARY MATERIAL

MNRQFENMNLLDQVELL17 D P E P D Q D E L P E Y S D D D L Q G A A A P I P N F F S D D D C L E D L P E K F D G N P D M L G P AGTGCCAGCTCTTCATGGAAAAGAGCACCAGAGATTTCTCAGTTGACCGCATCCGTGTGGTGTGCTGCGAAAGCATGCTGGCCGTGCCGCCGCCGCCGGGCTACTGCCAAGCTGCAAA 840 C Q L F M E K S T R D F S V D R I R V C F V T S M L I G R A A R W A T A K L Q R 127 GATGTACTTACCTGATGCAACAAACTAACACTGCCTTTATGATGGAGGCTGAAGCATGTCTTTGAAGACCCTCAGAGACGTGAAGCTGCCAAACGCAAGACCAGACGCCTGCGCCAGGGCC 960 C T Y L M Q Q T N T A F M M E L K H V F E D P Q R R E A A K R K I R R L R Q G P 167 CTGGGCCTGTTGTGGACTACTCCAATGCATTCCAGATGATTGCCCAGGACCTGGATTGGACTGCGCCTGCCCTGATGGATCAGTTCCAGGAAGGCTTCAACCCAGACATTCGCGCAGAGC 1080 Y S N A F Q M I A Q D L D W T E P A L M D Q F Q E G L N P D I R A E L 207 A C I H I E R R L A R D A A A K P D P S P R A L X R C C K A R S F T Q S L G т 0 EAP кт LAA LI TGCCTCCAAACAGCCAGACCCGATCCCAACGAGCCTGTGGGAGGTGCCCGCATGCGCCTGTCCAAGGAAGAAAAGGAGACGCCGCAAAATGGAATTTGTGTCTCTACTGTGGCAATGGAG 1320 

 GCCATTTCGCCGACACGTGTCCAGCGAAAGCTCCCCAGGAAACTCCCCGGCCCCGCGCCCGGGGAACTTCGCGGGGGACCTTCGGCGACAGGGCCAGAACGAATAAGGTCCCCACCTC 1440

 (H) F A D T © P A K A S K N S P P G N S P A P L \*

 310

 P F R R H V S S E S L Q E F A A G K L P G P A V G G P S A T G P E R I R S P P S 327

CGAGGCTTCGACCCCGCCAGGCAAGTGATGCTCCAGATCATATGCCGGGCAGACCCCACCCTGTTTGTCCGAGCTATGATTCTGGTGCATCTGGCAACTTCATGATCAAGACTT 1560 E A S T Q H L Q V M L Q I H M P G R P T L F V R A M I D S G A S G N F I D Q D F 367 TGTCATACAAAATGCAATTCCTCTCAGAATCAAAAGACTGGCCAGGATGGTGGAAGCTATTGATGGGCATCCAATTGCCTCGGGCCCAATCATTTGGAAACCCACCACCTGATAGTTGA 1680 GACCACCGTGAGATACTGTCATTTGATGTGACTCAGTCTCCATTCTTTCCTATTGTCCTAGGAATTCGTTGGCTGAGCACGCATGACCCTCACATTACCTGGAGTACCCGCTC 1800 L G D H R E I L S F D V T Q S P F F P I V L G I R W L S T H D P H I T W S T R S 447 CATTGTCTTCAACTCTGATTACTGCCGAACTCTGCTGCCGGATGTTTGCACGGAGTGTCTGCGATGTGCGACGGAATTGCATCCGGTATCTACTGTGCGA 1920 I V F N S D Y C R L C C R M F A Q I P S N L L F T V P Q P N L H P Y L L H H V H 487 TCCGCATGTCCATCCGCATATGCATCAGCATCTGCATCAGCATCTGCATCCAGATCCGCATCAGCATCCGCATCCGGCATCCGGCATCAGCATCATCATCATCATCATCAGCAGGCGGA 2040 QH L н QHLHQFLHPD Р QY QQAD TATGCAGCACCAACTGCAGCAGTATCTATATCAGTATTTGTATTACCATCTGTATCCGGTTATGCACCACCATCTGCCTCCAGATCAGCATCAG M Q H Q L Q Q Y L Y Q Y L Y Y H L Y P, V M H H H L P P D Q H E H L H E Y L H O 567 L H Q Y L H Q F L H H H L H P D L H Q Y L Y Q Y L H N H M N P D P H H H P H P D 607 TCCCCCCCAGGATCCACATCACCCTCCACATCAGGATCCCACATCAGGATCCCCATCAGGATCCACATCAGGATCCACATCAGGATCCCCATCAGGATCCCCATCAGGATCCTCCACA 2400 P P Q D P H Q D P H Q D P H Q D P H Q D P H Q D P H Q D P H 647 ОН P D P H Q D P P H Q D P H Q D A H Q H Q D P HQDAHQDPHODP H Q D A H Q D P H Q H P D P H Q D P P H Q D P H Q D A H 727 Q D P H м D Ρ CCAGCATCCGCAGCCGCAGCCGCATCCACAACAGCATCCTAACCATCCTCAGCAGCCACCATTCTTCTACCACATGGCTGGATTCAGAATTTACCACCCCTGTAAGGTATTACTAATATTCA 2760 P Q P Q P H P Q Q H P N H P Q Q P P F F Y H M A G F R I Y H P VRY ο GAATGTGTATACACCTGTTGATGAGGACATGTCTATCCGGGTCACCGGGTGGTGGCCCTAACATTGAGATGATCCTGGGGCGCACAGCCTGCCCAGTGGACATTGTACTCAATGTCTGA 2880 т р GTCTGAAATGAATGAATGCTCTGCGAAATTTCGTGGACAGGAATGTTAAAGATGGGGCCCAATGGAGGCCCAATGGAGCCCCAATGGAGCGCAAGGGGTGGAAAGAGGGTGGAAACTCCA 3000 S E M N A L R N F V D R N V K D G L M T P T V A P N G A Q V L Q V K R G W K L Q 847 AGTCACTTACAATTGCCGAGCTCCAAGAGTGGCACCATCCAAAATCAGTACCTACGCATGTCTCTTCCAAATATGGGGAGACCCTGCAACCTGGCAAGCTATGGTGAATTTGTCCAAGT 3120 V T Y N C R A P Q S G T I Q N Q Y L R M S L P N M G D P A H L A S Y G E F V Q V 887 TCCTGGCTACCCATATCCAGCCTATGTTTACTATACAAGCCCGCATATGATGACTGCGTGGTACCCAGTAGGACGAGATGTACATGGACGAATAATCGTTGTGCCTGTTGTAATCACCTG 3240 G Y P Y P A Y V Y Y T S P H M M T A W Y P V G R D V H G R I I V V P GTAGAACCTGTCATGTCCTTTGTAGTCTCTGCCCCTCAACTTGATCCTGTGCAGCTTCTCAATCTATGACTGTGTGGTACTGGACCTTCAGAGGCGCACAGAGCTCAAGTCAGTTTTCGTC 3480 TTGACTGCCACTTTATAAGTTGACAGGCCTGGGTTTTACTTGTTAAAACCTCTCACCATCTCAATCACAGGCTGCCAAGTGTCTTTACAAAGAAGCTGATACAAACACAGGCCCATGCTGA 3600