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TGGCCTACTGGAGAAGAGTTTACAGCCAGCTGACCCGCTGACGGGCGAAAGTAAGCAGGAATCGAAACCGAAAGCTAAACAAGCCTT 87

CTTTAACACGAGAATCTGGGCGTTTTTGGACTCTAGGTTGATCAGAGGAGGTAGAATACAACATTCTGACAAACAAAATGGCAAAAA 174
                                                                                  M  A  K

TGTCCGCAGAAAATGAAATAGAGATGAGAATCTGTGATTACCTGAGGAGACACGGCAGGAGCACCGTACAGGACATTTTCAAGGAAT 261
M  S  A  E  N  E  I  E  M  R  I  C  D  Y  L  R  R  H  G  R  S  T  V  Q  D  I  F  K  E

TAAAATTAGAGAAATCCACCGTGAACAGGCATCTATACAGCCTACAGGCGTCAAAGCAGGTTTTTAAAACTGTGGAAGATAATAAGC 348
L  K  L  E  K  S  T  V  N  R  H  L  Y  S  L  Q  A  S  K  Q  V  F  K  T  V  E  D  N  K

GGCCGGTCTGGGATCTGGTGGAGAGCATGAATGACGAACAAAAAGCCAAACCAGAGCAAATAAAGCCCGAGATGACAAGAGACGCAA 435
R  P  V  W  D  L  V  E  S  M  N  D  E  Q  K  A  K  P  E  Q  I  K  P  E  M  T  R  D  A

TTGAAGAAAAACATGTGAAGGATCTGCTGAAATCAGGAGGTTTAAAAGCCTCTCATATCGCCAGCAAACTGGGACAACAAACACAAT 522
I  E  E  K  H  V  K  D  L  L  K  S  G  G  L  K  A  S  H  I  A  S  K  L  G  Q  Q  T  Q

CAACTAACAAACTACTGTACGGTTTGATGGAGAAAGGTGAAGTGCGCAAATGCAGTAAAAGCCACATGTGGACTCTGAAAAATGACC 609
S  T  N  K  L  L  Y  G  L  M  E  K  G  E  V  R  K  C  S  K  S  H  M  W  T  L  K  N  D

AGGAGAGGAATGGAAGTGGCAGTGATCGCAAACTGACTTCAGTTTCAGGGATGTCTCAAACTTTTGATGTGATCGCAGAGCTTGGTG 696
Q  E  R  N  G  S  G  S  D  R  K  L  T  S  V  S  G  M  S  Q  T  F  D  V  I  A  E  L  G

ACGGAGGCTATGGTTTTGTTTGCAAAGTAAAACATAAGATTGATGACAAGATCTATGCTGTGAAGAGAGTCGAGTTCAACAGTGAAG 783
D  G  G  Y  G  F  V  C  K  V  K  H  K  I  D  D  K  I  Y  A  V  K  R  V  E  F  N  S  E

CTGAACCTGAGGTGAAGGCATTGGCTCGACTAGATCACCCAAACATAGTGCGCTACTTCACATGCTGGCCTGATTCTGACAACTGGA 870
A  E  P  E  V  K  A  L  A  R  L  D  H  P  N  I  V  R  Y  F  T  C  W  P  D  S  D  N  W

TGTCAAATCAAGAAACAAACGAAAAGTCAAACACAACAGGTTCTTCAACTGACACTGATGATACTAATGAGAGAAGCGCTAGTGATG 957
M  S  N  Q  E  T  N  E  K  S  N  T  T  G  S  S  T  D  T  D  D  T  N  E  R  S  A  S  D

ATGATGATGATGATGATGATGATGATGAAGATGATGATGTCAGTGATGATGTCACGTTAGGAATGGAAAGTCTGACTTTTACAGAAT 1044
D  D  D  D  D  D  D  D  D  E  D  D  D  V  S  D  D  V  T  L  G  M  E  S  L  T  F  T  E

CGACATCTGCTGCTAAAGCCAGTGGACAGTGTGATCCTACAAATCACAGGACATATTTATTTATTCAGATGGAGTTTTGTGAGGGAG 1131
S  T  S  A  A  K  A  S  G  Q  C  D  P  T  N  H  R  T  Y  L  F  I  Q  M  E  F  C  E  G

GAACACTGACGTCATGGATAGGGGAGAGAAATTACGGAGGAAAACAGAGAATCCCTCTGGAAATCCATCGGATATTTTATGAGATCA 1218
G  T  L  T  S  W  I  G  E  R  N  Y  G  G  K  Q  R  I  P  L  E  I  H  R  I  F  Y  E  I

GCAGTGGGGTGGAGTACATCCATTCAAACAATCTCATCCACAGAGACTTGAAGCCTGATAACATATTGTTTAATGACGGCAAAGTGA 1305
S  S  G  V  E  Y  I  H  S  N  N  L  I  H  R  D  L  K  P  D  N  I  L  F  N  D  G  K  V

AGATTGGAGATTTTGGGTTGGTGGCGGCTCAGAAGAATCCCAGTGGTGACCCTATAGAGCGGTCAAAGAGGAAGGGCACACCCACAT 1392
K  I  G  D  F  G  L  V  A  A  Q  K  N  P  S  G  D  P  I  E  R  S  K  R  K  G  T  P  T

ATATGAGTCCTGAACAGGAAAATCTGAGGAATTACGATGAAAAGACAGACATTTTTCCCCTTGGACTGATGTGGTTTGAAATGCTGT 1479
Y  M  S  P  E  Q  E  N  L  R  N  Y  D  E  K  T  D  I  F  P  L  G  L  M  W  F  E  M  L

GGAAAATATCTTCTGGGATGGAGAGAGCAGAGATCTGGACAAATTTGAGAAATCAAAAGCTTCCTGACCAGTTTTGTGAGAGATATT 1566
W  K  I  S  S  G  M  E  R  A  E  I  W  T  N  L  R  N  Q  K  L  P  D  Q  F  C  E  R  Y

CAGCTGAAAATAAATTCATAGAGAAGATGCTGTCCGTGACACCAGAGGACAGGCCGCACGCTAAAGACATCAGACTAAATCTGGAGA 1653
S  A  E  N  K  F  I  E  K  M  L  S  V  T  P  E  D  R  P  H  A  K  D  I  R  L  N  L  E

CGTTTTTCTCTTTGCATCAAAACAGCTTGAGTCAGAAAACTATCTGACTCTTTTGTTGTCTGTTTGGTTGGATGATAATGGTTTTCT 1740
T  F  F  S  L  H  Q  N  S  L  S  Q  K  T  I  .

GCAGAGCACTTTTAAGGATTTTACTGGTTTATTCATGGTTTAATGAACTGTTTAATGCTGGGATTTGCAAACTGGGCAGCAGAATAA 1827

TATCAGGTGGTCCATGGAAAAGTTTGCAATAAAAATAAAAATTTAATGCATAAAAAAAAAAAAAAAAAAAAAAAAAA 1904
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