

QUERY UniRef90_H3KHP2 UniRef90_M5E5U2 UniRef90_V5WHS8 UniRef90_UPI0002DD4EAA UniRef90_UPI00046A16CA UniRef90_UPI000395CFAC UniRef90_Q9KA66 UniRef90_K2JF23 UniRef90_I3BYM3 UniRef90_UPI0003718245 UniRef90_F5L4K9 UniRef90_Q485G7 UniRef90_M8DL13 UniRef90_E1QEX9 UniRef90_UPI00028855F7 UniRef90_UPI0002F04320 UniRef90_UPI000415B0AB UniRef90_E1JX11 UniRef90_U1X3Y2 UniRef90_C8W4R5 UniRef90_UPI00039B1199 UniRef90_UPI0004020BDF UniRef90_UPI00045E8992 UniRef90_U9VXX3 UniRef90_D1C4K4 UniRef90_G8QPE0 UniRef90_U5T3V5 UniRef90_UPI0003B5CE0C UniRef90_UPI000262C9BD UniRef90_D3HT52 UniRef90_UPI00035F85B5 UniRef90_UPI0003610FF4 UniRef90_Q0AYK1 UniRef90_UPI00037D0160 UniRef90_UPI000376E1AE UniRef90_UPI00036E227D UniRef90_W9UY83 UniRef90_F7UZC9 UniRef90_UPI0003742FCB UniRef90_H8GHH8 UniRef90_UPI00025562AD UniRef90_U2E866 UniRef90_UPI00035E14AC UniRef90_W2E4J6 UniRef90_B6ISU8 UniRef90_G2DAH2 UniRef90_H9UKJ5 UniRef90_L0GUA9 UniRef90_F5RAD6 UniRef90_UPI000372B356 UniRef90_UPI00040C5787 UniRef90_E8N050 UniRef90_B5SLE5 UniRef90_A0A059DX22 UniRef90_C3P5M6 UniRef90_F4HDJ5 UniRef90_Q2JHW2 UniRef90_W4LDE3 UniRef90_W6LYL5 UniRef90_C7MPE3 UniRef90_E0RTL8 UniRef90_C1DSU3 UniRef90_C8XBT9 UniRef90_Q5FPZ4 UniRef90_D9I3A3 UniRef90_UPI00030E365C UniRef90_G9Y9M8 UniRef90_T0BZL1 UniRef90_R0K9U4 UniRef90_R5ANS5 UniRef90_M2WED1 UniRef90_R5IE87 UniRef90_R5VYJ9 UniRef90_UPI0002C36FC2 UniRef90_UPI0001C36E8F UniRef90_UPI0002485DD9 UniRef90_W2EQI5 UniRef90_K7AF48 UniRef90_A1WX18 UniRef90_A8TUK4 UniRef90_B8INK3 UniRef90_A7INR3 UniRef90_I2JL15 UniRef90_UPI0002625E0B UniRef90_UPI00041267FC UniRef90_UPI000372851A UniRef90_B4RBZ1 UniRef90_I4X9I5 UniRef90_K9UHQ6 UniRef90_Q1I629 UniRef90_B4WMD1

1 10 20 30 40

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

QUERY UniRef90_H3KHP2 UniRef90_M5E5U2 UniRef90_V5VHS8 UniRef90_UPI0002DD4EAA UniRef90_UPI00046A16CA UniRef90_UPI000395CFAC UniRef90_Q9KA66 UniRef90_K2JF23 UniRef90_I3BYM3 UniRef90_UPI0003718245 UniRef90_F5L4K9 UniRef90_Q485G7 UniRef90_M8DL13 UniRef90_E1QE9 UniRef90_UPI00028855F7 UniRef90_UPI0002F04320 UniRef90_UPI000415B0AB UniRef90_E1JX11 UniRef90_U1X3Y2 UniRef90_C8W4R5 UniRef90_UPI00039B1199 UniRef90_UPI0004020BDF UniRef90_UPI00045E8992 UniRef90_U9VXX3 UniRef90_D1C4K4 UniRef90_G8QPE0 UniRef90_U5T3V5 UniRef90_UPI0003B5CE0C UniRef90_UPI000262C9BD UniRef90_D3HT52 UniRef90_UPI00035F85B5 UniRef90_UPI0003610FF4 UniRef90_Q0AYK1 UniRef90_UPI00037D0160 UniRef90_UPI000376E1AE UniRef90_UPI00036E227D UniRef90_W9UY83 UniRef90_F7UZC9 UniRef90_UPI0003742FCB UniRef90_H8GHH8 UniRef90_UPI00025562AD UniRef90_U2E866 UniRef90_UPI00035E14AC UniRef90_W2E4J6 UniRef90_B6ISU8 UniRef90_G2DAH2 UniRef90_H9UKJ5 UniRef90_L0GUA9 UniRef90_F5RAD6 UniRef90_UPI000372B356 UniRef90_UPI00040C5787 UniRef90_E8N050 UniRef90_B5SLE5 UniRef90_A0A059DX22 UniRef90_C3P5M6 UniRef90_F4HDJ5 UniRef90_Q2JHW2 UniRef90_W4LDE3 UniRef90_W6LYL5 UniRef90_C7MPE3 UniRef90_E0RTL8 UniRef90_C1DSU3 UniRef90_C8XBT9 UniRef90_Q5FPZ4 UniRef90_D9I3A3 UniRef90_UPI00030E365C UniRef90_G9Y9M8 UniRef90_T0BZL1 UniRef90_R0K9U4 UniRef90_R5ANS5 UniRef90_M2WED1 UniRef90_R5IE87 UniRef90_R5VYJ9 UniRef90_UPI0002C36FC2 UniRef90_UPI0001C36E8F UniRef90_UPI0002485DD9 UniRef90_W2EQI5 UniRef90_K7AF48 UniRef90_A1WX18 UniRef90_A8TUK4 UniRef90_B8INK3 UniRef90_A7INR3 UniRef90_I2JL15 UniRef90_UPI0002625E0B UniRef90_UPI00041267FC UniRef90_UPI000372851A UniRef90_B4RBZ1 UniRef90_I4X9I5 UniRef90_K9UHQ6 UniRef90_Q11629 UniRef90_B4WMD1

E E A K V S V R N N L R R R D A N T H I D R L L L K K E D D K E E E I I I A G S E D D D Q R G R A E E E T D L I V Q Q
E E A K V S V R N N L R R R D A N T H I D R L L L K K E D D K E E E I I I A G S E D D D Q R G R A E E E T D L I V Q Q
E E K G R V A I R N N I R R R D D A N D G D D L L K K G L L L K K D D D K S S E S E D D D Q R G R A E E E T D L I V Q Q
E E G G R V A I R N N I R R R D D A N D G D D L L K K G L L L K K D D D K S S E S E D D D Q R G R A E E E T D L I V Q Q
E E N A R V A I R N N I R R R D D A N D G D D L L K K G L L L K K D D D K S S E S E D D D Q R G R A E E E T D L I V Q Q
E E N A R V A I R N N I R R R D D A N D G D D L L K K G L L L K K D D D K S S E S E D D D Q R G R A E E E T D L I V Q Q
E E A K V A I R N N I R R R D D A N D D D L L K K A R Q K D D D G E I L T T E D D D L R R A V T E D D D Q R G R A E E E T D L I V Q Q
E E N G R V A I R N N I R R R D D A N D S D F K A S L L L K K E I I I S S E D D D E R R R A A A Q D D D E D D Q R G R A E E E T D L I V Q Q
E E G A R V A I R N N I R R R D D A N S D F K A S L L L K K E I I I S S E D D D E R R R A A A Q D D D E D D Q R G R A E E E T D L I V Q Q
E E G G R V A I R N N I R R R D D A N A S E L K A L L L K K E D D K G E I I S S E D D D E R R R A A A Q D D D E D D Q R G R A E E E T D L I V Q Q
E E D A K V A I R N N I R R R D D A N S D F K S L L L K K E I I I S S E D D D H H H R R R A A A Q D D D E D D Q R G R A E E E T D L I V Q Q
E E E A K V A I R N N L R R R D A N E D D L K K L L L K K E G G E I I S S E D D D S R F R H H Q Q E E T T E D D Q R G R A E E E T D L I V Q Q
E E E A K V A I R A A R R R D D A N D E M L K K F K K E F K K A G G D I I S T E D D D A F R R G Y N Q D D D D D D Q R G R A E E E T D L I V Q Q
E E N A K V A I R N N I R R R E A N D E F F K K M E K D D G G D I I S T E D D D L L R R Y N Q D D D D D D Q R G R A E E E T D L I V Q Q
E E D A K V A I R N N I R R R D D A N D S D L L K K L Q K K D D D K A I T T E D D D Q H H R R R A A A Q D D D D D D Q R G R A E E E T D L I V Q Q
E E E A K V A I R N N I R R R D D A N D S I J K K L L K K E N G D I I T T E D D D M K H H N Q Q D D D D D D Q R G R A E E E T D L I V Q Q
E E E G R V A I R N N I R R R D D A N D S L L K K S E Q K K N D K A I T T E D D D S R R A Y A D D D D D D Q R G R A E E E T D L I V Q Q
E E S T R V A I R N N I R R R D A N G D F F K E L L L K K E K E I I S S E D D D Q R R Q G Q E E E L V I V Q Q
E E G A R V A I R N N I R R R D D A N N E F F K L L L K K S G G D I I S T E D D D E R R D Q Q Q D D D D D D Q R G R A E E E T D L I V Q Q
E E E G R V A I R N N I R R R D D A N D G M D F A K K Q E K S G G D I I S T E D D D E R R R A A Q D D D Q D D D Q R G R A E E E T D L I V Q Q
E E S R V A I R N N I R R R D A L A S Q V K E M L Q E K K I I I G S E D D D E R R R T Q Q E Q D D D D D Q R G R A E E E T D L I V Q Q
E E N A K V A I R N N L R R R D D A N G S D L K K E G V K S K E I I I S T E D D D D Q R R R G Q E D D D D R I I V Q Q
E E E A K I A I R N N V R R R D A N D E L K K M E K N G G E I I P E D T S R R R G Q E E E E I I V Q Q
E E Q A K V A I R N N I R R R D D A N A D V L K K D L V K K E K S I I T T E D D D D R R R A A A E A I V Q Q
E E Q Q K V S I R N N I R R R D D A N N A F K Q L V K D K E E M S E D D D E H H K A S Q E E E I V Q Q
E E H A R V A I R N N I R R R D A N N A F K Q L V K D K E E M S E D D D E H H K A S Q E E E I V Q Q
E E E G R V A I R N N I R R R D D S N E L L K S G E K E K I I I S S E D D D N K K G M D D D D D D D Q R G R A E E E T D L I V Q Q
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E E D A R V A I R N N I R R R D A N D E L K K Q E K N G D I I S S E D D E A R R K F A Q D D E K T V Q Q
E E E A R V A I R N N I R R R D D I N E D L K K L E K S G G D I I S S E D D E S R R R A Q Q E K V I V Q Q
E E G A K V A I R N N L R R R D D A N S S F K D A L K G E I I S S E D D D R R R R A Q Q D D L V I V Q Q
E E E A R V A I R N K A R R R D A N A A S I E R A V K E E S L P E D D D D R R R A Q Q A D D D D D Q R G R A E E E T D L I V Q Q
E E D A K V A I R N N I R R R R E A N D S L K K L V K D K E I I S S E D D D E R R R A Q Q D D D V I V Q Q
E E N G R V A I R N N I R R R D A N N A I K E A L K E K I I I S S E D D D A R R G A E E E K I I V Q Q
E E Q I K V Q I R N N I R R R D D A N A E V K A L L V S K D K E I I S S A D D D D R K A G G E A R I V I V Q Q
E E D G R V A I R N N I R R R D D A N S T L K N L V K D K E I I S S E D D E E R R Y Q Q E V I V Q Q
E E D A K V A I R N N I R R R D D A N D S L K K M E K T S S E D D E S R R H H Q Q D D D I V I V Q Q
E E D A R V A I R N N V R R R D D G M D M L K K L L K K D G D I I S S E D D E Q K R T W A D K V I V Q Q
E E G A R V A I R N N I R R R D A N D H D L K D L V K E K M I S S E D D D E R R R G Q Q E K I V I V Q Q
E E Q A K V A I R N N I R R R D A N D Q L K K Q Q Q K D D G E I I S S E D D E E K R R L Q D D D D I V I V Q Q
E E Q S R V A I R N N V R R R D A N N E L K K E M V K K M I S S E D D D E R R R G E E E M I V I V Q Q
E E N A R V A I R N N L R R R D A N N A L K D A V K N K E I I S S E D D D E R R R A Q Q D D D M I V I V Q Q
E E D A K V A I R N N I R R R D A N D E L K K L E K S S D I I S S E D D E S R R H H Q Q D D D I V I V Q Q
E E E A K V Q I R N N I R R R D S N D Q L K K A E K N G D I I T T E D D D L R R D F Q Q D D V V I V Q Q
E E E S R I A V R N N V R R R D M V K D L R D F E K E K I I I S S E D D D L K R K G Q E E E L V I V Q Q
E E D A K V A I R N N I R R R D A N Q F K K L V K D K A I I S S E D D D E R R R G Q Q D D D D I V I V Q Q
E E A T R V A I R N N I R R R D D G M D A K K K M E K D G E I I S S E D D R L R H H S L S D D E V I V Q Q
E E E A K V A I R N N V R R R D G N D D L K K L E K A G E I I T T E D D D L R G Y T E D I I V I V Q Q
E E Q G R V A I R N N I R R R D A N D K I K A L L K K E K E I I S S E N D E R K A Q Q D D D I V I V Q Q
E E E G R V S I R N N I R R R D G I D S V R K R E K N G E L S S E D D E S K S Q Q D D D I V I V Q Q
E E S K I A L R N N V R R R D G N E T L K S F E K D K L V S A D D D M R R G Q Q D D D Q V I V Q Q
E E G A K V A I R N N V R R R D A N N Q L K T L L K D K K I I T T E D A E R R S T Q Q E A D I V I V Q Q
E E E A R I A V R N N A R R R D A N S A L K A V K N D D G L P E D D E Q R R S E A D I V I V Q Q
E E Q S R V A I R N N I R R R D A N E A L K K A E K E G Q L S S E D D E R K R R G E E I V I V Q Q
E E S A R V A I R N N I R R R D A L Q K D L V K E K E I I S S E D D E E R R A A D E L I V I V Q Q
E E D A K V S I R N N I R R R K A C T A Q V L D K L V K E G E I V G S E D D D V T R A E A D E L I V I V Q Q
E E N G K I S V R G V R R D G M E S Q T K A L E K K S E I I S S Q D D D M K T W T D A I V I V Q Q
E E E A K I S I R N N V R R R D I M E S L K K S E K N G E I I S S E D D E H R R L S D N D E I V I V Q Q
E E D A K V A I R N N V R R R D A N D D L K K M E K N G E I I T T E D D E L R G O V V I V I V Q Q
E E Q G R V S I R N N V R R R D A N D K V K V L L L K D K E I I S S E D D E D R K S Q Q D D E I V I V Q Q
E E E A R V S I R N N I R R R D G N D E L K K A E K N G E I I T T E D D E A R S R L M D K E L I V I V Q Q
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E E D S K V A V R N N I R R R D A V D Y V K K A Q K K G E I L T T E D D D V Q K K A E K D I I V I V Q Q
E E A K V A I R N N I R R R D A N D A L K K M E K S G D I I S S E D D E L A D N E S D K I I V I V Q Q
E E E G K V A L R N N I R R R D A L K A Y E K K K Q K N S E I I S S E D T L L A D F S G K K I V I V Q Q
E E D A K I A I R N N I R R R K G M D A L Q K I Q K D G D A G G E D D E V K A A E K E L I V I V Q Q
E E S G R V S I R N N I R R R H A K E V L D K L V K D G E I V G S E D D D V H R A V I V I V Q Q
E E Q G K V A I R N N I R R R D A N S D I K L L L K E K E I I S S E D D S R R R G E D D D I V I V Q Q
E E Q A R V A I R N N V R R R D A N S D L K D L A K G K D I I T T E D D E E R R A Q E A I V I V Q Q
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QUERY	K	T	T	H	Q	Y	V	T	Q	I	D	E	L	V	K	H	K	E	G	E	L	E	V			
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UniRef90_V5WHS8	K	L	T	D	S	Y	V	K	Q	I	D	D	E	L	L	D	A	K	E	K	E	I	M	E	V	
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UniRef90_K2JF23	K	L	T	D	A	F	V	K	Q	V	E	E	V	L	A	A	K	E	A	E	L	M	E			
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UniRef90_UPI0003718245	K	V	T	D	T	F	V	K	K	I	D	E	V	L	A	D	K	E	K	E	L	M	E	V		
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UniRef90_M8DL13	K	A	T	D	K	Y	I	A	E	V	D	K	I	V	K	E	K	E	K	E	D	I	L	E	V	
UniRef90_E1QE9	K	I	T	D	D	F	I	K	K	V	D	E	T	L	A	E	K	E	K	E	I	L	M	E	V	
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UniRef90_U1X3Y2	K	A	T	D	K	H	V	A	L	V	D	Q	V	V	S	D	K	E	K	E	I	M	E	V		
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UniRef90_H8GHH8	K	I	T	D	Q	Y	V	K	E	V	E	K	L	L	E	A	K	E	A	D	L	L	S	V		
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UniRef90_A0A059DX22	K	L	T	D	Q	Y	V	A	K	V	D	E	A	L	L	A	G	K	E	A	E	I	M	Q	V	
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UniRef90_L7UH18	K	E	T	D	A	G	V	A	E	V	D	D	K	V	T	V	A	K	E	K	E	V	M	S	V		
UniRef90_R7DMD7	K	E	T	D	A	A	I	K	M	V	D	E	I	V	S	E	K	E	K	E	I	M	S	I	V		
UniRef90_W1NZP5	K	V	T	D	G	Y	V	K	K	I	D	S	I	Y	K	Q	K	E	K	E	I	M	T	V	V		
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E D T K V V A I R R N N T R R R E A N D D L L K K A M V K L K D K S D E I V S G T E D D E V K A R R Q Q D D V I L Q Q
E D A R K V A I R R N N V I R R R D E A G N D D L L K K A M V K L K D K S D E I V S G T E D D E V K A R R Q Q D D V I L Q Q
E E E A K I A I V R R N N I R R R S D E A G N D D K I K K E L K L K D K S D E I V S G T E D D E V K A R R Q Q D D V I L Q Q
E E R G T R I A I R R N N I R R R K D V N N D K I K K L K A V K L K D D G G L L S S E D E D A L K K A D A E E N E A D K D D V I L Q Q
E E Q A R K V A I R R N N I R R R S E E Y K D D K L K K A V K L K D D G G L L S S E D E D A L K K A D A E E N E A D K D D V I L Q Q
E E Q A R K V A I R R N N I R R R S E E Y K D D K L K K A V K L K D D G G L L S S E D E D A L K K A D A E E N E A D K D D V I L Q Q
E K A K V A I R R N N V R R R D A D A N D Q L L K K Q L K K E D G G L L S S E D E D D L R K K Y E E D K D K D V I L Q Q
E D G K I S I V R N N E A R R K D A N D Q L L K K Q L K K E D G G L L S S E D E D D D V K K Y E E D K D K D V I L Q Q
E E G F K V A I R R N N E A R R K D A N D T L L K K Q L K K E D G G T G L S E D D D D V K K Y E E D K D K D V I L Q Q
E K S K I S V R N N I T R R R D D G M D H L L K K S R K S N G K E A S T E D D M V A S L E E N D I Q Q D V I L Q Q
E D A K V A I R R N N I R R R D D Y L D D V F K K M N K K E M T S D D D E Y A D R A E Q A D E V I L Q Q
E E D H R T A L R N N V R R R D G N D D L L K K K M A R D S K K G R S G S G D D K R R G S A E A D P V I L Q Q
E E G K V A I R R N N I R R R D A N D A V L K K G G R S K K G R S G S G D D K R R G S A E A D P V I L Q Q
E D A K I A V R R N N I R R R D D A I D G L K K L E K K D K K K D D D L K R R A E E K Q Q D V I L Q Q
E E E G R V Q I V R R N N V R R R D D L I L E T V L K K A K A K L P S E D D D G K R R A E E K Q Q D V I L Q Q
E E E G K V A I R R N N I R R R D A I L D K E K K D E K D D G G L I S S E D D E S R K D N Q Q D V I L Q Q
E E K A K V A I R R N N I R R R K D A N D S G L K K L E K K D D K K S E I S S E S Q D D L K R Y A E K E D E M Q Q
E D G R V R I R S V L R R R D G L D L L K S A K D D D G S E I L S T E D D D V K R Y A E K E D E M Q Q
E E S K V S V R N N I R R R D A N E A L K K L E K A K E S M G M P T E D D M A K K A G E A K D I L Q Q
E E A K M S V R N N T R R R D A I E A L K K A V K L K D K E I L S T E D D D M Q K D G E A K D I L Q Q
E Q A R I A I R N N V R R R D A N S A L K A R L K D K E I L S T E D D D E K R A T E D D I L Q Q
E S T K V I F V R R N V R R R D A N S A L K A R L K D K E I L S T E D D D L E K R R V Q L Q D S R V I L Q Q
E E S K I A I R R N N I R R R E C N E V V K K M L K E K E E L S E N D E R R V Q L Q D S R V I L Q Q
E D A K V A I R R N N L R R T A N D D L K K S E K S G E E M T S D E D L K R S A L D S R V I L Q Q
E K G K I R R R K D A I K E T F K H L L K K S D S G E A S T E D D T L K R S A Y E E D S I L Q Q
E E A K V A I R R N N I R R R D A N E E L L K K L E K K S G S G E D D D L R S A Y E E D S I L Q Q
E Q T K V Q I V R N N V R R A D Y K E K L K K A I K D S G G L S E D D I E K D A D E D S I L Q Q
E E A K I S I R R N N I R R R D A M S V V Q S E K D D N V L T T E D D R D R C C K E N E Q V I L Q Q
E E F K I R V R N N D R R R D S N D K L K K M E K D D S G E I E I T T E D D E L K K S S E E V K V I L Q Q
E E G K V A I R R N N V A R K E V N D A L L K K L E K K D N S D G G E I V I T T E D D E L K R S A E E D K V I L Q Q
E N G K I S V R R N N A V R R R D G M D I L L K K L E K K D D G G C L S S R D E R R L Y E E Q K D I L Q Q
E N A K I A V R N N V L R R R D Y K E L K K A T Q K D D G G L I L P A E D D A L C S K R A E V D V I L Q Q
E D A K V I G V R N N D R R K N A N D I L K K L E K K D D G G L I L P A E D D A L C S K R A E V D V I L Q Q
E K A K V S I R N N A R K D A N D A I K K V E K E F S A E D E T K K A H D E V I L Q Q
E E A K V S I R S V I R R K E L M D D G K Q A V K D G G Y P E D D A G K R A E D E A Q Q
E K A K V A I R R N N I R R R D A I L D D F K K A Q A V K K G G D L K Y T E D D D L H N L Q Q
E N A R I A I R R N N I R R R D A N S T L K D L L K K E K E I L S T E D D E Q R R G A S E E D I L Q Q
E E A K I A V R R N N I R R R D A N D D L K K L L E K K E N E I S T E D D E L R R Y S D D I L Q Q
H A K V A I R R N N I R R R D A N D G D F K K L L L K K E K E I V S S E D D E A R R G E E D K V I L Q Q
E A K V A I R R N N I R R R D A N D S F K K L G L K T N E K E I V S S E D D E V K R E L E E D K V I L Q Q
E Q A K I R R N N V R R R D A I Q S V I K L V N D D K G Q A S T E D D D E R R A E T E D I L Q Q
E D A K V A I R S V I R R R D S D S K I K A L K K D G E I L S T E D D E V K R A E D N I L Q Q
E E A K V A I R S I R R R D A K E M L E S L E G I V S T E D D E I K R A L D K I L Q Q
E N A R V A V R R N N I R R R D A N A D F K K L L E K K E K E I V T T D D E L R A R S A E K R I L Q Q
E E G K V A V R N N I R R R D A N H A D L L K K E K E L I T T D D E K A R S A E K K E I D D I L Q Q
E E A K V S I R N N I R R R E Y N D V L K K M E K N R E I I S E D D D L K R S Q E E E A Q Q
E E A K V A I R S I R R R D A I E Q I K K A Q K N S D S I T T E D D D R K K L L E D Q A Q Q
E K A K V A I R N N I R R R D A M D A L K K A Q K N S G D L T T E D D L R D L L E D Q A Q Q
E N G K I S I R N N I R R R E V N D S L K K E E K E S N I S E D D E C K K Y Q N S V I L Q Q
E D A K V A I R N N I R R R D E N E D F K K Q E K A N E I G E D D E L K S S F E K N S V I L Q Q
E K C K V A I R N N L R R E A N E E L K K L K L K S K E I G E D D E K S S F E K N S V I L Q Q
E E A K I G V R N N D R R N A M N E L K K A D L P E D D V Q K D T E D D I V I L Q Q
E N A K I A I R N N V I R R D A N D A F K K Q N K A S E I S S E D D E L K D L L E D K V I L Q Q
E D G R I A I R N N I R R R D I L L D L K K K D S G L S S E D D V S K N I L E E K V I L Q Q
E E G R V A I R N N L R R R D A N D G L L K S Q Q K N G D I L S T E D D E L R R L Q D E V I L Q Q
E D A K V A I R N N V R R R D S N E E L R K K I E K D D G G D I L S T E D D E L R R Y N D Q V I L Q Q
E E G K I G I R N N V V R R K N S N E A L R A I I L I E D G G P T E D D L I K G A E S R V I L Q Q
E N A K V A I R N N V R R D A N D A I K K D K E I L R E D E E K A E L E S Q Q
E D G K V A I R S V I R R R D A N D K I K A L K K D D T I T T E D D E V K K A E D D V I L Q Q
E K A K I A I R N N V R R R E S N D K I K K M F K D D K E I S E D D E E R K G L E D D K I L Q Q
E E G R V S I R N N I R R R D A V D S V R K Q D K N K E I I S E D D E S R D L Q Q D E I L Q Q
E D A K V A I R N N I R R R D A N D A L K K E E K A K T I T T E D D V S K D G Q E Q I L Q Q
E S T K V S L R N N I R R Q D S N K Q A D K E K K E N I T T E D D D V K R T K D E I L Q Q
E E S K V A V R N N I R R R D V N E M I K D L L K K E K E I V S E D D E Q F K A Q E E T Q Q
C A K V A V R R R D A N D A F K K L G K G K E V E S E D D E V K E L E E N V I L Q Q
E E A K V A V R N N I R R R D A N D D L K K L Q K G G E M T E D D E L R R A T D D V I L Q Q
E E A K V S L R N N I R R R D A N E D L K K K S K D D G G L I T S E D D R V K R L Q E D V I L Q Q
E D S K V A L R R R R R E I L H A D L D K L E K D K Q L S T E D D E K S R G A E D A D Q Q
E K A K V S V R N N V R R R D I M D I K K D K D M P E D D A R K A E D D Q T Q Q
E K G K I S I R N N I R R R E A N E E L K K K L K E K N I S E D D D N K N Y E E R N I L Q Q
E E A R I A V R N N I R R R E A L D K A K L E K K H L S E D D D L K R A E A Q V I L Q Q
E K A K V A V R N N V R R R E A M D D L K K G N K D G D F H D L E K A Q V I L Q Q
E E A K I G I R N N A R Q E A N K D L R N L D L S E D D L I K T A E T D V I L Q Q
E G G K V A I R N N I R R R D A M N D A K K S E K A K E I L S T E D D E L K T L E K E Q Q
E E D R V A I R N N I R R R D V M N D I K K Q M Q H E K E M I S E D D E A R R A Q E K L Q Q
E E G K V A L R N N I R R Q D A K D E I T K A K Y P E D D E E K L Y M E D L Q Q
E D G K I A I R N N I R R Q D Y L K K K N A E S S N K E I S S E D D I V K Q N S K E T E L Q Q
E D C R V S V R N N I R R D I M D K L K V M Q D N S K E I S S E D D L R V S N G T E L Q Q
E E A K V A I R S I R R R D S M D K L K A L K K N G E I I T S E D D D L K D A E K K M Q Q
E Q G R V A I R N N V R R R E A N A E L K D A L K A K S Q L S T E D D E E R K A E E R V I L Q Q
E D F K Q S I R R A R Q K A L D T L K K S S S M P K D D D E K R L E K E V E V I L Q Q
E E A R I A I R N N I R R R D V L E K F K A A K K K S G S E I S S E D D Y N Q L E K K V I L Q Q
E G A K V A I R N N I R R R D G N D A L K K L K G S E V S S E D D E K D M E E T E I L Q Q
E E H K I N I R N N I R R R E G N D Y L K K A L K D H H E L S E D D H Q K G L V E T D I L Q Q
E E F K V R I R N N E R R D A N D R L K K L E K E G G E L T E D D E L K K A Q D N I L Q Q
E N A K V A I R N N V R R R D A I Q H V K E L L K D K K T T E D D E T H R A E Q N K I L Q Q
E Q S R I S I R N N I R R R A N E K L V K L L K E K N I D I E D R H F Q E N K I L Q Q
E D A K V A I R N N I R R R E A L D E Y K K M K K N N E I T E D D L K D A E E D V I L Q Q

	170										180													
UniRef90_H6KZ85	E	L	T	D	K	Y	S	K	Q	V	D	S	I	F	A	K	K	E	E	L	M	T	V	
UniRef90_L0B6M4	K	I	T	D	Q	K	I	I	L	I	S	Q	L	I	S	K	K	E	E	E	V	M	A	I
UniRef90_UPI00037A4675	S	V	T	D	K	Q	F	I	D	Q	V	D	D	A	L	K	R	K	E	A	E	L	L	E
UniRef90_C0QWQ6	N	D	T	D	S	Y	I	K	K	I	D	D	D	M	I	N	T	K	E	K	E	L	D	T
UniRef90_R9GQJ5	K	V	T	D	G	F	I	V	Q	I	D	R	L	A	E	I	K	E	K	D	I	M	T	V
UniRef90_D1PXA6	K	L	H	D	K	Y	I	K	N	V	E	A	L	L	E	A	K	H	K	E	I	M	T	V
UniRef90_O83613	K	A	T	D	A	S	V	A	D	V	A	R	Y	L	A	E	K	E	K	D	I	L	E	
UniRef90_F8HYG4	G	L	T	D	D	G	V	K	N	I	E	K	I	A	A	S	K	E	A	E	L	L	K	I
UniRef90_E4TT18	S	L	T	N	D	F	T	K	K	I	D	D	E	L	L	E	H	K	E	K	E	L	M	T
UniRef90_R4U5Q2	K	L	T	D	K	Y	I	K	L	I	D	D	E	K	A	L	A	K	E	K	E	L	M	E
UniRef90_C6XFU6	K	I	T	D	S	T	I	K	N	I	D	S	F	F	E	E	K	K	E	I	M			
UniRef90_R7G1S2	K	L	V	A	A	A	M	G	E	V	E	K	A	T	A	E	K	E	K	E	L	M	T	
UniRef90_E6PXB1	A	M	L	N	D	E	I	R	R	M	E	E	L	A	R	K	K	E	A	D	I	M	Q	
UniRef90_UPI0003B4FDB1	Q	L	T	D	T	Y	V	N	K	T	D	E	L	T	E	A	K	E	T	E	L	L	E	
UniRef90_P61304	D	V	T	N	V	Y	V	A	K	V	D	E	V	L	A	H	K	E	K	E	V	M	E	
UniRef90_W01YH4	T	L	T	D	K	S	I	E	E	I	N	Q	H	L	A	S	K	E	K	E	L	L	T	
UniRef90_UPI0002E53339	K	I	T	D	Q	F	I																	
UniRef90_A710C2	K	I	T	D	N	F	I	E	K	L	D	E	A	V	K	N	K	E	E	E	L	L	K	
UniRef90_S7TF15	K	L	T	D	N	A	I	K	L	A	E	Q	V	F	A	E	K	E	K	E	L	M	E	
UniRef90_D5EQQ4	T	E	H	D	K	Y	I	A	E	T	N	D	Q	L	S	K	E	K	E	A	D	L	K	
UniRef90_D4KD81	K	L	V	D	K	Y	I	K	E	I	D	T	A	R	A	E	K	E	K	E	I	M	E	
UniRef90_S8FBU9	K	T	H	D	K	Y	I	K	L	I	D	E	L	L	A	Q	K	S	K	E	I	M	T	
UniRef90_A4BS25	K	L	T	D	K	H	I	S	E	V	D	S	L	L	V	A	K	E	K	E	L	M	E	
UniRef90_UPI00047EE274	K	L	T	D	S	F	V	K	K	I	D	R	I	T	E	A	K	T	K	E	V	M	T	
UniRef90_L0B5C6	K	L	T	D	I	K	I	S	E	I	D	R	I	I	T	Q	K	E	S	E	I	M	V	
UniRef90_V1CQG4	K	M	T	D	Q	G	V	S	E	I	D	R	I	V	A	K	D	K	E	I	M	E	I	
UniRef90_B3ETV4	N	L	T	D	K	H	I	H	N	I	D	N	L	L	T	H	K	E	A	E	L	L	E	
UniRef90_D7V058	A	I	T	D	E	S	I	K	R	I	D	E	L	L	A	K	N	K	E	A	E	I	M	
UniRef90_F8N811	K	L	H	D	K	F	I	K	Q	I	D	A	T	L	A	A	K	Q	K	E	I	M	T	
UniRef90_E7MMJ8	K	L	T	D	K	Y	I	K	K	I	D	D	S	L	A	A	K	S	A	E	V	L	K	
UniRef90_M5U3K5	E	L	T	D	K	F	E	A	S	V	N	D	S	A	K	V	R	E	A	E	V	L	E	
UniRef90_UPI0004630896	K	I	T	D	K	Y	I	K	N	I	D	T	L	L	A	N	K	E	K	D	I	M	E	
UniRef90_C7NBL9	K	S	T	D	K	F	I	A	Q	V	D	E	A	L	N	K	K	E	K	E	L	L	T	
UniRef90_L0FU81	K	L	T	D	E	F	S	A	K	I	D	A	L	F	E	K	K	E	A	E	I	M	K	
UniRef90_K7YR51	E	L	T	N	I	Y	V	K	K	I	D	E	A	L	E	D	K	D	K	D	I	M	Q	
UniRef90_K0P0B2	D	L	T	D	G	Y	I	D	K	I	N	H	L	L	T	V	K	E	A	D	L	M	A	
UniRef90_A3XHR3	D	L	T	D	K	Y	I	K	R	I	D	E	L	L	L	A	T	K	E	K	E	I	L	
UniRef90_UPI00046EB770	K	I	T	D	A	Y	I	E	K	V	E	E	T	L	L	K	N	K	E	V	E	L	L	
UniRef90_UPI00037BD5C3	K	L	V	K	S	Y	E	T	K	V	D	T	H	L	E	H	K	E	G	D	I	L	T	
UniRef90_J0KY44	K	L	T	D	S	S	V	K	S	I	D	D	I	Q	A	D	K	E	K	E	I	L	D	
UniRef90_F5SUU3	R	L	T	D	A	T	I	K	Q	I	D	D	V	L	A	E	K	E	T	D	L	M	E	
UniRef90_UPI000412FF0C	K	T	T	D	S	Y	I	A	K	V	E	T	L	T	K	D	K	E	K	E	L	L	D	
UniRef90_K0C9K0	Q	L	T	D	R	M	V	G	E	V	E	K	M	L	K	T	K	E	E	E	L	M	T	
UniRef90_R9KMC5	K	L	T	D	K	Y	I	S	K	V	D	K	A	V	E	E	K	S	K	E	I	L	T	
UniRef90_G9ZGK0	K	L	T	D	K	Y	V	E	Q	V	D	K	V	L	S	E	K	E	K	E	L	M	E	
UniRef90_UPI0003FB3C81	K	S	T	D	K	F	Y	K	E	I	D	K	L	L	E	A	K	E	K	E	I	M	S	
UniRef90_B4U9X4	K	I	T	D	H	I	D	E	I	S	N	L	S	S	S	K	E	K	E	I	T	E		
UniRef90_UPI000375AE3B	K	M	T	D	E	H	V	Q	R	I	E	A	I	L	S	A	K	E	T	S	L	M	E	
UniRef90_B3QS58	N	L	T	H	K	Y	E	K	S	L	D	E	L	T	S	K	K	E	K	E	I	M	E	
UniRef90_F4LU73	K	I	T	D	K	Y	I	D	E	V	E	K	I	L	A	N	K	E	K	D	I	M	E	
UniRef90_R5B516	K	L	T	D	S	H	I	K	D	I	D	K	I	V	S	D	K	Q	K	E	I	M	E	
UniRef90_V7HW28	K	L	T	D	A	S	V	K	N	L	D	A	I	T	A	D	K	E	K	E	I	L	Q	
UniRef90_X0ZXF3	I	L	T	D	E	F	I	K	S	T	D	E	L	L	E	L	K	E	K	E	I	M	E	
UniRef90_X8ISY4	K	K	V	D	K	A	V	K	D	T	D	A	L	L	E	E	K	N	K	E	V	M	A	
UniRef90_W9E284	S	I	T	D	D	H	I	K	L	V	D	G	K	V	S	L	K	E	K	E	I	M	T	
UniRef90_K4IUF4	K	L	T	D	S	F	I	E	E	I	D	K	I	Y	A	S	K	E	K	E	I	M	T	
UniRef90_R5KCA2	K	L	T	D	K	Y	I	D	K	V	E	D	K	A	V	E	E	K	T	K	E	L	T	
UniRef90_R5Y7X8	E	V	V	N	E	Y	N	K	K	V	E	L	I	J	K	E	K	D	N	E	L	M	N	
UniRef90_R4KDM0	K	L	T	D	K	Y	I	K	E	I	D	A	L	F	A	A	K	E	K	E	I	L	T	
UniRef90_F9DP82	K	M	T	D	D	F	I	E	K	I	D	Q	T	A	K	K	E	N	E	I	L	E	I	
UniRef90_I4ANT7	T	L	T	D	D	Y	T	K	K	I	D	E	L	M	E	A	K	E	K	D	I	T	T	
UniRef90_R5Z3Y9	K	L	T	D	K	Y	I	K	D	I	D	G	I	V	E	A	K	Q	K	D	I	L	S	
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V D Y Y G A A T P I K Q Q L A T I S S T T D A R T L L M I Q P W E R K T L L D G D I E E K A
V D F Y G T P T P I S S I A N I T V P P E A R Q L L F I K P F D R S T L K E N I E H A
V Q A Y G Q S V P L P Q Q V A Q V I A V T G A Y S L V S V N V Y D Q S L L P A I E V K Q T
I D Y Y G T M S L D Q Q V A G S I I A T D A T T I V V V N P W E K N L L P A I E V K Q T
I D Y Y G T E L P L K Q Q L A T I S T P P A Q I V V I Q T W D K S A V K L I E E K A
V D Y Y G T P T P I Y Q V A G N V S I P P E A R M I Q I Q P Y D K S S E L K D I E E K A
I D Y Y G T P T P I Y Q V A Q N V S S V V D A R M Q I T I A R P Y D K S S E L K D I E E K A
V D Y Y G T P T P L K N L A S N I S V P D A R M L M I T P F D P K S S I N D I E H A
V E Y Y G A P T P L M Q V A N I S L I P D A R Q L L C K P Y D R S L C S A I E E K A
V E Y Y N T P T P I N Q V A S V I A T D A S T I T I Q P W E R G L L K E I E E K A
I D S Y G A K T P L R Q Q L A S I S I P P E A R Q I L I Q P W D K G L I Q S A I N K A
V E Y Y G S P T P L K K S I A A I T A P P P R I S I Q Q P Y D G S S A L S S A I E E K A
V E Y Y G A S P A S L K S I A Q I S A P D G S S L L V Q P Y D K S S L K A I E E K A
V S Y Y G T M T P L K N Q V A N I S A V P P E A R A I M I T P W D A S L V K E I E E K A
V N Y Y G T D T P L K Q L A N I T T E D S R T L A L T V I F D G K S A S A A V E E K A
V Q T P D G S F P L I Q L G Q V I V K K N P Q L F V I D M T D P Q Y T A A A R D A
V D Y Y G C P T P V Q Q M A A V S V S E G R N L V I Q P W D V S T I N A I E E K A
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L A S D L G L G L N P A N D G K V I R I R I V F P P P L T T E E E T R R R R R D E Q L V K K Q L K G R K S E
I A K A D I G L N S V V D G D I R I R I A I P P P L T T E E E T R R R R R D E Q L V K K Q L K G R K S E
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I V S S D L G L G L N P N N D G E V I R L R I S I P P Q L T T E E E T R R R R R D E Q L V K K Q L K G R K S E
V A S D L G L G L N P Q S D G R V I R L R I N V P A L L T S T E E E T R R R R R D E Q L V K K Q L K G R K S E
R E E L G L N P V I Q G N V I R V R I T L P P P L T T E E E T R R R R R D E Q L V K K Q L K G R K S E
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I K N S L S I A P S N D G K M I R L R I N V P S L S T E E E T R R R R R D E Q L V K K Q L K G R K S E
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I Y D S N C G L N T P K N E G S Y I R I K V P P P L T Q D R R R R L E V K Q V K A Q L G
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I Y N S D L G L G L N P N N D G E V I R L R I T L P Q L T S E E R R R R R D E Q L V K K Q L K G R K S E
L Y T A D I G L N P A N D G T V I R L R I V I P Q L T S E R R R R R D E Q L V K K Q L K G R K S E
L Q K S G L N I N P Q Q E G T T L Y L P I P K V T K E H R E N L S K N A K A I Y

UniRef90_UPI00036BF164 E K A R V I A I R N N I L R R T D A N S D I L K E L L K E K E I I S E D E A K K A E E K I Q Q
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UniRef90_UPI00035F0854 E E D A K I S V R N N I L R R T D A N S D I L K E L L K E K E I I S E D E A K K A E E K I Q Q
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UniRef90_X1JSH6 E E E R R V V I R N N I L R R T D A N S D I L K E L L K E K E I I S E D E A K K A E E K I Q Q
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UniRef90_Q2Q6C0 Q A W R T R V R D D A H R A E L H K K W R A D G L L L A D D L H R L K E K L Q
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UniRef90_W4JQ09 E D T R A Q I R K Q H Q A S I L K G K Y G K H S I E I D E F Q
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UniRef90_D8QEF6 E D T R V Q L R K Q M Q T S V K K G K F E K H S V E L E E Y Q
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