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

QUERY UniRef90_W0HEG1 UniRef90_Q2RSP3 UniRef90_Q13QI8 UniRef90_V7E876 UniRef90_U3H637 UniRef90_UPI0003740BAA UniRef90_U8HGR7 UniRef90_N6Y5A4 UniRef90_S9ZV79 UniRef90_V7ZAE5 UniRef90_A1VHJ4 UniRef90_F2LKD3 UniRef90_S9RNK5 UniRef90_C6XBD7 UniRef90_A4G878 UniRef90_Q1LHB4 UniRef90_L9PED0 UniRef90_W0V9X6 UniRef90_UPI000470B110 UniRef90_B8DQI6 UniRef90_ROG5K3 UniRef90_K2PU92 UniRef90_UPI00034A6863 UniRef90_B9M3U4 UniRef90_UPI0003B52E82 UniRef90_B9XMU8 UniRef90_G1USQ9 UniRef90_S5EWC2 UniRef90_N6Y127 UniRef90_UPI0003B41FCD UniRef90_A0A010RLLO UniRef90_UPI00031AC221 UniRef90_L2E733 UniRef90_Q93PU3 UniRef90_J2YFD0 UniRef90_H8L0I2 UniRef90_B2UK81 UniRef90_I8T425 UniRef90_UPI00035F6BAB UniRef90_UPI0003803486 UniRef90_D3SBK5 UniRef90_N2JG14 UniRef90_A0A031MF25 UniRef90_E1TFP1 UniRef90_D5V0X2 UniRef90_B9NT42 UniRef90_UPI00035D3560 UniRef90_L9PFU9 UniRef90_B9MI28 UniRef90_C7LPN3 UniRef90_Q2LRD6 UniRef90_D0IXJ8 UniRef90_UPI00029AABB8 UniRef90_UPI000373A2E8 UniRef90_I1YG84 UniRef90_V6SU02 UniRef90_Q137E1 UniRef90_A5EPM9 UniRef90_UPI0003015AB8 UniRef90_K6ATN6 UniRef90_Q46QK1 UniRef90_UPI00040A8964 UniRef90_A5V7P5 UniRef90_UPI000421884A UniRef90_F0NXP2 UniRef90_E8TVL4 UniRef90_UPI00046A1157 UniRef90_W7DY21 UniRef90_A0A031GYS8 UniRef90_B8EKJ4 UniRef90_UPI0003788D56 UniRef90_E8XMS5 UniRef90_R5GG21 UniRef90_UPI000463D517 UniRef90_Q82VH7 UniRef90_UPI000418E35A UniRef90_Q0BQ74 UniRef90_W0EYD1 UniRef90_Q0BS48 UniRef90_UPI00037096EB UniRef90_UPI0003714967 UniRef90_UPI000378B5D4 UniRef90_R7DIF4 UniRef90_K2QIL1 UniRef90_Q4KCR5 UniRef90_I4N6H2 UniRef90_UPI000374CBAB UniRef90_G8QIP7 UniRef90_K2CIY9 UniRef90_I0ING0 UniRef90_UPI00047BB5C6

R Y A N G L E T L G S V S Q A K A V A 170 AS V E A E L L G I Q E S I Q L Q Q K N A
S N E V G V G V A S T A L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ W 0 H E G 1 F D E R G V G L A S T A L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ Q 2 R S P 3 S R F E V G G A L S K L L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ Q 1 3 Q I 8 S K T A G K A T S L I D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ V 7 E 8 7 6 S F D V G G V A S D A L A L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ U 3 H 6 3 7 S F E V G G A V S S A L L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ U P I 0 0 0 3 7 4 0 B A A R Y Q V G S T S S K L L A L L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ U 8 H G R 7 R Y E V G G V S S R L L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ N 6 Y 5 A 4 S F E V G G A V S S R L L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ S 9 Z V 7 9 S F D A G G A V S S R L L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ V 7 Z A E 5 S F E L G G V A S S Q L L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ A 1 V H J 4 R F N D S G L T S S E L L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ F 2 L K D 3 Q F D N G T G S S E L L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ S 9 R N K 5 S F E V G G A S S A L L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ C 6 X B D 7 Q V E F G S S V T S R L L N L L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ A 4 G 8 7 8 R F S A G A T S S A V L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ Q 1 L H B 4 R F D Q A G A V T S S G L D M Y D A R T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ L 9 P E D 0 R F Q A G A A S S G L D M Y D A R T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ W 0 V 9 X 6 R Y E M G A V S S K L L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ U P I 0 0 0 4 7 0 B 1 1 0 R F E L G L T S S A L L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ B 8 D Q I 6 S A E L G S A S A L L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ R O G 5 K 3 K E A G M L T E V L A V Q Q T A A L L Y N A Q S I Q I D I E N Q T K I L E N A F
U n i R e f 9 0 _ K 2 P U 9 2 R F K A G A T S S G L D M Y Q E S Q T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ U P I 0 0 0 3 4 A 6 8 6 3 R F D S G V S S A L L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ B 9 M 3 U 4 R Y D A G E T S D A L V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ U P I 0 0 0 3 B 5 2 E 8 2 R Y E G G G L G S E L D M A R A R A E L E V A N A R A E A A G L A K R R V A E Q L E R S A I L
U n i R e f 9 0 _ B 9 X M U 8 R Y E G G G I T E L D M A R A R A E L E V A N A R A E A A G L A K R R V A E Q L E R S A I L
U n i R e f 9 0 _ G 1 U S Q 9 S F Q L G V A T E L D R S Q A E T V G V R T A R Q R D A R Y A A L Q V A V Q D D E N A L
U n i R e f 9 0 _ S 5 E W C 2 S L E L G A V S A L L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ N 6 Y 1 2 7 L Q K G G A A S L E D L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ U P I 0 0 0 3 B 4 1 F C D R F T A E L G T Q T D I K Q S Q S T A L P A S R A N I A G L K E V I E L N Q N K L
U n i R e f 9 0 _ A 0 A 0 1 0 R L L O Q Y D N G L E T Q V A V A Q R S T A L V E A D L L S I Q R A I A L Q V N A I
U n i R e f 9 0 _ U P I 0 0 0 3 1 A C 2 2 1 R F D T G T G T E L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ L 2 E 7 3 3 S A W A G T S S E L D L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D Q N N A L
U n i R e f 9 0 _ Q 9 3 P U 3 H A L I G G S S E L D L V Q A R T T V E N Q A Q A Q D V L Y A S E I L L Q D L
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U n i R e f 9 0 _ H 8 L 0 I 2 R H Q D G G V A S S G L D L A Q Q A T Q L D S T A T Q A E L L T K Q R A S Q Y E H A L I
U n i R e f 9 0 _ B 2 U K 8 1 R Y S G G L S A E A D V L S Q S A E T Q V Q S T Y A Q A L A A R L Q R A Q Q A L H A L I
U n i R e f 9 0 _ I 8 T 4 2 5 S Y R A G G T I N E M E L L S Q S R A A V A T A Q A A L P R F F E R A R Q Q A L H A L I
U n i R e f 9 0 _ U P I 0 0 0 3 5 F 6 B A B S Y D Q G G V D S A L E L L T Q A E T T L R T A Q S N Q A Q Y L R R V A Q Q D R N A L
U n i R e f 9 0 _ U P I 0 0 0 3 8 0 3 4 8 6 R Y E G G G Q T D A S E L V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D R N A L
U n i R e f 9 0 _ D 3 S B K 5 R V S A G L D S E F Q L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D R N A L
U n i R e f 9 0 _ N 2 J G 1 4 S H T G G I A S A L D V L R Q S Q R T T S V E E S A R A N R A L Q Y Q R L V A Q Q D R N A L
U n i R e f 9 0 _ A 0 A 0 3 1 M F 2 5 R F A N G L E T Q A G T V K D A E S R L Q S A R A D L F E L D E A I A L T Q R N R K I
U n i R e f 9 0 _ E 1 T F P 1 R Y E N G L E N K S T V D D A K S L L A N A R A G D V L S L D E Q I S L T Q K N K I
U n i R e f 9 0 _ D 5 V 0 X 2 R F N N G V T T E L D V L Q E S T A L L N N T K A L V P Q L E S D L A Q A Q N A L
U n i R e f 9 0 _ B 9 N T 4 2 R F N Y G D V A E I D K L R S S E T Q L E D V K A L V Y Q L E R Q V A K N T E R A N
U n i R e f 9 0 _ U P I 0 0 0 3 5 D 3 5 6 0 R A E V G G A S S R L L A L T Q V E S L L M E T A R A A A L T L A Q R Q R A Q A D N A L
U n i R e f 9 0 _ L 9 P F U 9 R H A A G A I S S R L A L T Q V E S L L Y Q A E S I G T Q L A Q Q Q A Q A H A L I
U n i R e f 9 0 _ B 9 M I 2 8 R V E V G S T S R F S L L Q V Q T L Q A Q A L G A Q L E Q E R E A Q F H A L I
U n i R e f 9 0 _ C 7 L P N 3 R F E G G V I S E L E L N Q V K S E Y E A T I P Q I L V F Q E N A L
U n i R e f 9 0 _ Q 2 L R D 6 R L D S G V A S E L D Y R Q A Q S L T E S A R A T L A Q Q A G Q R E R D V N A L
U n i R e f 9 0 _ D 0 I X J 8 S Y D N G E T D A L L A A D S Q V E Q S A N E A Q Y T R A V A D D E H A L I
U n i R e f 9 0 _ U P I 0 0 0 2 9 A A B B 8 R G E A G L A T D L D V L A A D S L V E S V R A Q W A D L K R Q R A Q T E N A L
U n i R e f 9 0 _ U P I 0 0 0 3 7 3 A 2 E 8 L L D G G R A T A L D V S R A E T Q L T L T K S T I P P L Q A A V T A A I N R L
U n i R e f 9 0 _ I 1 Y G 8 4 R F I K G Y V S E V D K V Q I E Q V A L A E A G I P P R I E R Q I A T F L E N V I
U n i R e f 9 0 _ V 6 S U 0 2 R L A A G T G S D L D V A Q Q E S V L A N A V P L L R V T L A Q N I T L
U n i R e f 9 0 _ Q 1 3 7 E 1 K Q N A G S A S A V D T A K A N A L A A S T E A T I P P L R S A I A N Q V E A A S L
U n i R e f 9 0 _ A 5 E P M 9 R Y E G G V I S E L E V L S Q S E A N D Y Y T T E A T I P P L R S A I A N Q V E A A S L
U n i R e f 9 0 _ U P I 0 0 0 3 0 1 5 A B 8 L M N A G I V N E T A V A L S Q M E A T Y Y S I L D L K E Q I A N Q V E A A S L
U n i R e f 9 0 _ K 6 A T N 6 S K R A G G M A Q I D M H R A Q T Q L E T A R V G V E Q Y T R Q V A Q D E N A L
U n i R e f 9 0 _ Q 4 6 Q K 1 R F L A G Y V S E V D K V Q I E Q V A L A E A V I P S L E Q R A L A T M R E N I L
U n i R e f 9 0 _ U P I 0 0 0 4 0 A 8 9 6 4 Q H E A K Q V S E L D L V A Q A E G Q V Q A A A D L A A G Q R A L A Q A G N A L
U n i R e f 9 0 _ A 5 V 7 P 5 R H D G G T A S G I D V N R A K T V L D N A R A Q I S A V A N E R A A T E H E I
U n i R e f 9 0 _ U P I 0 0 0 4 2 1 8 8 4 A L K D A G G V T E V A V S Q T E A Q L L S A E S T L L D L N R Q I R L Q E N Y I L
U n i R e f 9 0 _ F 0 N X P 2 R L E H G V S S E L D V S H Q A E S L A Q A R A T Y A Q Q R Q R L D E N A L
U n i R e f 9 0 _ E 8 T V L 4 M V S A G R G D E G D L A S A R A E L E T V I Q A S V P L Q Q E T A R R L A R Y R L
U n i R e f 9 0 _ U P I 0 0 0 4 6 A 1 1 5 7 R F N G G L V T S E L D V L R S A E A Q L E S Q T R A E I P S L E Q Q A R V I N P
U n i R e f 9 0 _ W 7 D Y 2 1 R F E V G S I S K L D L T Q V E T L L S Q A L S L S A Q L E Q A R A V Q A H A L I
U n i R e f 9 0 _ A 0 A 0 3 1 G Y S 8 R T A K G L T S D L D V Q N A A L V S S K A Q L P A L E Q N D V D V N A N A I
U n i R e f 9 0 _ B 8 E K J 4 R L R A G L D T Q V E T T Q A R G T V A S A Q T D L L R V D E D I L L A R N A Q I
U n i R e f 9 0 _ U P I 0 0 0 3 7 8 8 D 5 6 S Y D S G L D T S Q D L V Q A E T T V R A A Q A D I A Q Y T R Q V R Q D V R N A I
U n i R e f 9 0 _ E 8 X M S 5 M Q V A A M T N S A A V S Q S E A N Y Q G L A T I P T L E Q S I R S T E N A L
U n i R e f 9 0 _ R 5 G G 2 1 R Y Q A G T S S L E L K S Q S R N L E S V R A N L A Q Y R R Q V A I L D R N A I
U n i R e f 9 0 _ U P I 0 0 0 4 6 3 D 5 1 7 R F D A G I D T A I D L L K A A K M E S A R A S V A L D R E H T R A I N T L
U n i R e f 9 0 _ Q 8 2 V H 7 L K Q A G N V T E V G V K Q T E A Q K Y A T E L I L A D L K N N V I L L E N M M
U n i R e f 9 0 _ U P I 0 0 0 4 1 8 E 3 5 A E V G Q Q G T R S T L D L V S Q A R A E L E T K A T E P P L H A M I A M A A H A L I
U n i R e f 9 0 _ Q 0 B Q 7 4 L Q Q A G T V T A V A L V R Q S E A L L N S K G I L V N L D K S I L K L L E N Y F
U n i R e f 9 0 _ W 0 E Y D 1 R Q T G G L G S D L D V Q N A R A Q L A L T E S A L P A L E T Q Q T A L I N A P
U n i R e f 9 0 _ Q 0 B S 4 8 R V D H G L A A G L E D V Q R A L A L A D Q S A Q P P E L E V S I R S S I H R L
U n i R e f 9 0 _ U P I 0 0 0 3 7 0 9 6 E B Q A S V G L A A S L D L V K Q A A A Q V A E T E A Q L P P Y D G Q I V Q A E N G L
U n i R e f 9 0 _ U P I 0 0 0 3 7 1 4 9 6 7 Q Q H N G L A P L T D V E N S Q A Q L F S L Q A S Q L P P Q Y Q A Q V Q Q A M N S L
U n i R e f 9 0 _ U P I 0 0 0 3 7 8 B 5 D 4 R Y N T G L A S Q L D V S R A K S V Y Y S T K A S T P S L E A G I R R Q Q I N A L
U n i R e f 9 0 _ R 7 D I F 4 L A E A G T S N Q L D V S R A L A Q E A T R A T I P Q L K A Q L E A L K N S L
U n i R e f 9 0 _ K 2 Q I L 1 Q Y Q A G V S G K D A V A Q A Q T Q L K S T Q A D L I D L I W Q R A Q F E N A I
U n i R e f 9 0 _ Q 4 K C R 5 L R D A G V G N E L D V V A R A D A R L A G V E A T V P Q L Q A E Q V R A R N R I
U n i R e f 9 0 _ I 4 N 6 H 2 R F H G G V A T D A D V V A Q A Q T Q L D Q T K A Q D I D V G V A R A Q Q F E H A I
U n i R e f 9 0 _ U P I 0 0 0 3 7 4 C B A B R Q Q A G L A T E L D V L E Q A R T S L E Q T R A T I P A L V S N V A S Q N R L
U n i R e f 9 0 _ G 8 Q I P 7 Q Y E H A G G V L S R A N V L S Q E S Q L A Q E A S L P P L K Q S L A Q A N H A L I
U n i R e f 9 0 _ K 2 C I Y 9 Q F E V G S L S R S V V L S Q A T L A Q E A T L P P L E K Q L I E R H Q M
U n i R e f 9 0 _ I 0 I N G 0 L K D A G N V T E V I G V K Q T E A Q L Y T A Q A I L I D L K T Q S R L V E N T L
U n i R e f 9 0 _ U P I 0 0 0 4 7 B B 5 C 6

QUERY UniRef90_W0HEG1 UniRef90_Q2RSP3 UniRef90_Q13QI8 UniRef90_V7E876 UniRef90_U3H637 UniRef90_UPI0003740BAA UniRef90_U8HGR7 UniRef90_N6Y5A4 UniRef90_S9ZV79 UniRef90_V7ZAE5 UniRef90_A1VHJ4 UniRef90_F2LKD3 UniRef90_S9RNK5 UniRef90_C6XBD7 UniRef90_A4G878 UniRef90_Q1LHB4 UniRef90_L9PED0 UniRef90_W0V9X6 UniRef90_UPI000470B110 UniRef90_B8DQI6 UniRef90_R0G5K3 UniRef90_K2PU92 UniRef90_UPI00034A6863 UniRef90_B9M3U4 UniRef90_UPI0003B52E82 UniRef90_B9XMU8 UniRef90_G1USQ9 UniRef90_S5EWC2 UniRef90_N6Y127 UniRef90_UPI0003B41FCD UniRef90_A0A010RLLO UniRef90_UPI00031AC221 UniRef90_L2E733 UniRef90_Q93PU3 UniRef90_J2YFD0 UniRef90_H8L0I2 UniRef90_B2UK81 UniRef90_I8T425 UniRef90_UPI00035F6BAB UniRef90_UPI0003803486 UniRef90_D3SBK5 UniRef90_N2JG14 UniRef90_A0A031MF25 UniRef90_E1TFF1 UniRef90_D5V0X2 UniRef90_B9NT42 UniRef90_UPI00035D3560 UniRef90_L9PFU9 UniRef90_B9MI28 UniRef90_C7LPN3 UniRef90_Q2LRD6 UniRef90_D0IXJ8 UniRef90_UPI00029AABB8 UniRef90_UPI000373A2E8 UniRef90_I1YG84 UniRef90_V6SU02 UniRef90_Q137E1 UniRef90_A5EPM9 UniRef90_UPI0003015AB8 UniRef90_K6ATN6 UniRef90_Q46QK1 UniRef90_UPI00040A8964 UniRef90_A5V7P5 UniRef90_UPI000421884A UniRef90_F0NXP2 UniRef90_E8TVL4 UniRef90_UPI00046A1157 UniRef90_W7DY21 UniRef90_UPI00031GYS8 UniRef90_B8EKJ4 UniRef90_UPI0003788D56 UniRef90_E8XMS5 UniRef90_R5GG21 UniRef90_UPI000463D517 UniRef90_Q82VH7 UniRef90_UPI000418E35A UniRef90_Q0BQ74 UniRef90_W0EYD1 UniRef90_Q0BS48 UniRef90_UPI00037096EB UniRef90_UPI0003714967 UniRef90_UPI000378B5D4 UniRef90_R7DIF4 UniRef90_K2QIL1 UniRef90_Q4KCR5 UniRef90_I4N6H2 UniRef90_UPI000374CBAB UniRef90_G8QIP7 UniRef90_K2CIY9 UniRef90_I0ING0 UniRef90_UPI00047BB5C6

210 220 230 240

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

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250 260 270 280

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330 340 350 360

T A I L V Q A F Q E H E V A D G L A A S R K G T A T Y L N E Q R L Q N Q A R Q Q D F V T A N T Q D E Q A Y Y R L A A
S T I Q T A F F R Q E V A D A D A L S A A R K G V L G A T Q Q R A Q A E T D T L V A A T Q S E R Y A R L S A
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T T I Q Q A A F F R E V A D A D A L A A H R A T W L V S A Q Q L V E D A V A Q R K L V E D A A Q A K R S F R L S
A V I Q S S A F F R E V T S D A L A A Q R R E T T L G R Q Q L V D A Q Q A T Q V A L Q E R R Y L T L S
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T V I D A L R D I A D A Q L S S L R W L K E R L T Q Q L E A V N T A Q A A S Q D L V
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T V L A A L I E E T Q T A V S D F A R E E E R R A T L Q Q A A K S A L H S A E L A
T Y L T A L S E V E Q S L Q D V K Y K E W Q A R N K Q V V A A R K N L E L S A
T V V S A F A D V E N A I V N L A Q E R I R I R S L T E S A R R Y S E A A R L S
A V L S A L E D V E N A I V N L A Q E R I R I R S L T E S A R R Y S E A A R L S
S V L N A L G A D V E N A L S S G L I E T A R N D K A V Y F F E S K Q E R S L V V Y A D Q S T
A L L N A G T E V N S A L V Q Y H T A R N D K A V Y F F E S L E R A Y K S T
T I Q Q A F F R E V A D G L A A A R G T Y D R Q A A A Q E T L S R E I E E T R R L S
C I T A L S E V A Q D G L A Q N V K T Y K E E W A A R D R Q V I A A R K N L E L S
A I Q T G F F R E V A D G L A A G R A T F A R Q L D A Q R K A V D A A E R R A R L S
T V L G A F F R Q V E D A L A A N R H L A D Q A V N Q R S A A A A G R T S E L A
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A I Q T A F F R E V S D G L A G S Q A T Y K D E L L A R Q Q D A D A N Q R N Y D L S
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S L L T A G K E V S D A L A Q Y N N E T Y K F S I R Q K Q A D A L T K A A D F S
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T V L A S F E E V E T A L V A Y A N E Q E H Y R L L E Q E V N A N R A A V E L L A
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T V L T A L Q D V E N A L V S Y R A D Q Q R V T A L D N T A G A L Q R S F D L A
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T N R Y Q G G L A T Y L D V L V A E E 370 380 390 400
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R N R Y D D N G G L A T Y L D V L V A E E S S L F S A Q Q Q T L I T D R R L S Q L T T S E V
R Q R Y D D N G G L A T Y L D V L V A E E S S L F S A Q Q Q T L I T D R R L S Q L T T S E V
Q H R Y R T R G G V D S N L V F L D A Q R S L F S A Q Q Q T L I T D R R L S Q L T T S E V
E R R Y R T R G G V D S N L V F L D A Q R S L F S A Q Q Q T L I T D R R L S Q L T T S E V
D L R F R A G G V D S Y L L A V L D A Q R S L F S A Q Q Q T L I T D R R L S Q L T T S E V
Q L L Y D N G S S A A Y L E V L D A Q R S L F S A Q Q Q T L I T D R R L S Q L T T S E V
L R Y D A N G S S A A Y L E V L D A Q R S L F S A Q Q Q T L I T D R R L S Q L T T S E V
E A R Y E A G G V D S Y L L G L D A Q R S L F S A Q Q Q T L I T D R R L S Q L T T S E V
Q A R F E A G G V D S Y L L Q A L D A Q R S L F S A Q Q Q T L I T D R R L S Q L T T S E V
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D L R Y R N G G V D S Y L L E V L D A Q R S L F S A Q Q Q T L I T D R R L S Q L T T S E V
E A R A Q R G G V D S A L T L L D A Q R S L F S A Q Q Q T L I T D R R L S Q L T T S E V
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A L V Q S S R S A Y S P T A S R G S S G S A G A S S N A A S G S S A G S V R N
A Q L G M S R A E Q F P T V A L Q A E A S R E T P G A M L P G N G D M S T N N
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A L V R E S R A D L F P T L T G T A S T R S E T G T S S S S S S S S A G
S D V E L V S A G T G L Q E H V I S A N G F L G P F A E N E P A L G L T G P W Y T
A R L G G A E A L R F P Q Q Q L G A S A A Y I R Q R R S D G L L P A T D D N F G
G K L R E T R S D L Y P Q L G Y G A G A S R Q R R L G D Y T S
E D L N A E R L L P A V D A N L S A T R Q K V D P S A Y G V P V A E Q P A P F T
A T R D D I S N D R L P T V T A G A R A D I G K A Q Q P G V T E R R V N S E
A V V Q Q A H A Q L F P T V I E A A P S I R Q S G S G S E A R T
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L A K Y A D S F A Y W G I D D L F W G G K R A A W E A A A L R S L Q D A S R E F D R Q R A T V E
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S Y N L A V S A D W E I D D F W G R V R N A K R E A A K A V L E Q S T E A Y R Q D A V Q
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Y Y T N I L S S W D L D L F G M I R R T V E A Q R A T V V Q S A A R G V L A
A A Q P G L Q L S Y E A D L D W G R L A R L R Q V A T L Q Y Q A S E A A R R A V H
E Y D A G L E L S Y E L D F F G K L R N M S E A D R Q N F F A S E E A R R A V H
I S S V Q A N L S W N L D L F G R Q R A L V T G A R A D V A A A A L D A A A R
S Y S L G L A N L Q Y E V D V F W G R V R N T A K A G R A R A Q A S A G D A A T V D
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S Y T F S L T A A W E A D I W G K V R R D V E S S Q A S A Q A S A D L A A A R
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I I G V I S J A E V A G A G A Y A V S L E R S L Y F T E Q Q Q A L D A A A R Q R E T L L L R E D N A Q N Q S A V L G L L V E T Q
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L A I D G E E V A N Y L G L R A G A D A R L V S L A A T V L A Y Q R R E T L R L A T N
L V T V A S N V A A I Q E A S L R G S Q I V A T Q R R I K I E R A R N L L D I L K R
L T L T A S N V A A I Q E A S L R G S Q I V A T Q R R I K I E R A R N L L D I L K R
V L M A A T I A S L Y V N I R L L E S R L Q I S R R E N A E L Q A R E N L L E I V T K E K A
T Q L V A T I A N S Y Y T L L M L E S R L Q I S R R E N A E L Q A R E N L L E I V T K E K A
I T L I A S E V V Q A Y L T R N G A V Q R Y E L T T N R S T L A Q S R Q R D S L R L V I S E D
L T T L S A S I V T S Y L Q L R G T Q A Q Q I V L T T R E D L L A R R A H A L L V I Q D
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T Q V V A T V A A N Y Y S L L M L D E Q V D I T K A T T I K S W E E Y V H S L R V
V L V A A E L V A R N Y F E L R T L D K A T I A V L A Q H T L V N L R Q D Q K L T T E A S
L A M Q S E L A R N D Y F N L R G T L D A T Q R L L D Q R T V L T D Y E K A S L D Q L V T R N N
L S T Q S S T L A Q S Y F L L R L I T D Q Q K A L L D Q R T V L T D Y E K A S L D Q L V T R N N
I L L S S G I T Q T Y V L Q L A N A Y A L E M A I A K K Q N I D R N Q A E H M V L E I L T T E S
T L I T A E V I D N Y V Q Q Y R G T Q E R I A I A R E Q Q T V I E S T R Q Q A E V L L A L V R L
L A V T A Q T A D V Y V T I R G L Q A R R I A I A R E Q Q T V I E S T R Q Q A E V L L A L V R L
V A V A A E T A R A Y A D A S A A S Q R R L A I A R E Q Q T V I E S T R Q Q A E V L L A L V R L
L S I Q S E L A R A N D Y M Q L R S A G M D A Q H A V A V E Q E D S I R Y Y Q T T L V Q I E T K M
L A V V I S D V V I S T Y F D Y R A T R E Q I E T T E A T E L Q S Q Q T E A L E I E R S
V L L H A A E L A Q A S N Y F T L R T A E A R R L R I V A R E N A R E I A K R Q S Y Q L T T K T
L S I A A E T A S N Y F T L R T A E A R R L R I V A R E N A R E I A K R Q S Y Q L T T K T
S E L I A T I A N D Y Y S L L M L D E Q L E I S R A S T L A L E V W S E Q I R T I E S F
L S V Q Q A E T A Q N Y V L N A C R L S Y A Q L A N A R A S Y K A S G E D N L E I L A G S E
V T V V A E T T R A Y V L N A C R L S Y A Q L A N A R A S Y K A S G E D N L E I L A G S E
L N L I T D V V I T T Y F N L R A A E Q Q L A I T R E Q T L G T R E E S T L V L E E V
L T L V A Q V A Q A Y F F L K A L D K E R L V I V K N L D A R Q H R N F E F A K L
V L L R A Q V A D S Y F F L R T T E A R R L R V A N E N A R A Q Q H R N F E F A K L
S S L I A N I A T S Y Y S L L A L D E Q L R I T T E T V N L L E K A N V E T M R A
I T L Q A Q L A D N S Y L V L R G L G L A I Q L K E S I A A Y Q Q A S T H L L T Q R
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L S L T S A T A R A Y N Q L R L F A L R D I A Q Q S E V T Q R E Q R Y L D R I S T A G N
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V S L I A E L A D Y G V L R G A Q Q R E G I A R D A N L K R Q Q R E S R D L T I Q
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R Q R N G V A S T G V D V S Q A E A S R L S A E S T L Q D L L Q Q V N E L E N T L
L M K A G G A D R S T I S Q A E A S R L S A E S T L Q D L L Q Q V N E L E N T L
R W E L G A G S L D V V Q E S R A R L K A T E A D L P L L E A D I A R F S H A
R Y R I G I S S Q A D V L Q S E T Q L K S A Q A Q Q L D I G V I T R A Q L E H A I
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T A L Q S A F N E V E V A S L A A A G N L R E R Q Q L S R V A A R A V L E R S L T Y T A
V I Q K S G F M E V S N A L A F S G N A T E R E Q L I R N K Q E Q A E T T A S L R D N T A
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L L S A A R E I D D A A I L G F A K N E R Q I V L L E Q T E Q A S R S S L D I A
S L L S A A G T E D D A L L Q W Q T A R K R H H L L N K Q Q I T S L E S S V R S S
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UniRef90_Q2K1A7	A	T	L	L
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UniRef90_V9QZG9	A	T	L	L
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UniRef90_B2UIB9	A	T	L	L
UniRef90_I9L1T6	A	V	L	T
UniRef90_B2JQR8	A	V	L	S
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S W I L S L G A N M A A T V P F N D G A K K A A R E Q A Q A K A V E A E G L A Y Y E R N
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T P M A S G L V S I N L P F L S W N T V K W N V K I S E A N Y E L A K V S Y E Q
G R S W S V N F R V S M N T E S G F Q I Q S D L N S A K H S K R A A D E R L A Q
S L V F Q I A N S T A P L E L N R T P L K S N D Y L I Q K E L S N E A Y D T L Q N
A A A W N L A A G L T Q P L F T G G R L Q G D I R L Q K A L V A E A L N N Y R S
Y R T W S L T P T L Q V T L Y T D G G S Q R W N R I Q E Q R W Q W E V Q H Q Y Q T
T D E A S V F A T V T L Q W P L Y Q S G S V S R V R Q S K Q Q E T R A Q A L E D
N A Q W L L G G E L I A P L F H G G S L R H Q Q R A A V A A Y D Q A Q A Y R S

	330	340	350	360
UniRef90_Q8FFV6	A V V E A V N D V	A R A A S Q V Q T L	A E K N Q H Q A Q	E R D A L R V V G L A
UniRef90_UPI00047A8143	T V L N A F R E V E	D N L S N L R L L S	N Q Y Q A Q D A A	L Q N A S Q R A A R L S
UniRef90_R5QPS9	T L N Q A L N E V	A Y Y F A Y D K S R	E T Q A N T A E N Y	K A A E A T S Y Y
UniRef90_UPI0002FDCF74	S M L R A T E D V	E N A Y I F V S L A	E L E T Q H R D L L	S E V Q A H Q A A R S D A
UniRef90_UPI000479027A	V L E A L R S V E	D A L H A L D T E	D A Q A L A A Q V	G E D A A A Q G S L Q S V
UniRef90_C0QFG5	V F E T A L V E	D A L S E E V Q H	Q R A W L A A L N	Q R E L D A A A R L L A G G E A
UniRef90_UPI000262C0FE	A V L R A L R E V	E T G L A S G L E	Q S E A I R N Q A A	L N D R A R E A A G R L Y A R R T
UniRef90_A0A023D3Q0	T V L A A V Q G V	E D Q F S N L R L	E L A Q Q Y T Q Q	N D A V T S A Q E A V R V A
UniRef90_F6DZ00	A R A S V Q Q T V	S A A H A Q L L E	S A L A R I R A K A	S R S Q Q I A G N A T A L L E G V
UniRef90_C0IN57	T V V N A A R E A	S A A A A T L L	Q A A A Q R A Q R E	R S Q Q L G N A T A L L R V A
UniRef90_U2LK34	Q V Y N A L A D V	D N A M S Q R L S	Y Q Q Q K T N Q Q	R N L R L G H Q R L A L A
UniRef90_U1IAL5	V R N Q A K T A V	V S A W V A N E G	A K V A V S A S E	S E V K A A E V A L A G V
UniRef90_B2VFT0	T V L T G L Q E V	E N Y L V E L H T	L R D E M L J A Q R	A T A A Q E S A R V T
UniRef90_K9QBE3	Q R N Q V R F Q V	E Q A F S T Q R	A N L D N V Q T A	N T A L E Q A R E A L L A
UniRef90_UPI000380F3C3	N I L K A L G E V	E D S A Y Q A H	R G A L L T R Q N	T L L V T A H K A A K Q A G D A
UniRef90_G4CMU3	T V L N A M R S A	A D A V D Y Q S	L Q S K Q S T W D	K M L K S E K S V K N A
UniRef90_F9F013	S L Y Q A M A D V	E N A L S N R T	Q L R V Q G E Q Q	L E A S L K A A R E A E R L Y
UniRef90_UPI000468FA67	A V V D A V N Q R	V A K C A S Q M E	T L A A K N Q Q Q	V Q R D A A R E A L A
UniRef90_B2JLP8	T V L S A F Q D V	A N S L A A L D	N D A A Q A S A S	T E V A D A A R A A F D D T
UniRef90_F4HAL8	S I T N A L N E I	D A L Y F A Y Q	S A Q S A R S Y N	N L Q D K Y N D K R S Q Y Y
UniRef90_K6BKM3	T V R T A E D V	E N A L A E Q A S	A A R V T S T R E	G V D A A H T T F T V S
UniRef90_D5V2P6	T I Q S A F K D V	S D A L S E R S N	I T K Q L K A Q K	D L V N T A K K S Y D I S
UniRef90_A0A015Q4W3	S L L N A G K E V	N D A L T A W Q S	A K S I E I N A R Q	Q V E T L C D A V R K T
UniRef90_C6C450	A H R S M I Q T L	R S A H N V S A S	I S S I L N A Y K	A V I S A Q S A L R D A M
UniRef90_UPI00023WTK7	V V L D A L R E T	Q T L L T H Y A	H D L H R D Q A	L G E A R D S A A R A A D H T
UniRef90_F9T650	T Y R S V V K D V	R A F N N N A S	A S L G A L R A	Y E Q T V V S A Q S A L E A T
UniRef90_Q2Y7Y6	T A L N A F R E V	E Q A L A D E W	L R K E E K A R	S A V E Q T E A S R K L A
UniRef90_UPI0004663CDD	I Q D R V R Q A I	S S A W S Q L E	A A R A R S V K	A N R D G I A A A Q L A L D G V
UniRef90_N6VZE4	N V V D A V A E V	E L A L S N A R	Y D Q T R N R I	L E S L N R Q S L E L A E A V V D R L
UniRef90_R6IR11	T A L N A Y T E V	L L Y C A S Q T	Q T E R I R L K E	S L A H Q R S V V N A
UniRef90_UPI000368DE39	A Q R S M V Q T V	R S S W N V N A	S L S N I Q A Y E	Q S V V S Y Q S S L D A M
UniRef90_UPI0003823173	T Y R Q T V Q S V	R S S Y N D L M	A A I S T A L R	A L E Q S A V V S A Q S A L K A T
UniRef90_UPI000415CFD7	T L Y Q A L A D V	D N A L S A R R	Q Y L A Q A E	Q L E Q S L A E A R R A E Q L Y
UniRef90_UPI0003B5292B	V R D Q T R A A V	V V G A W V L S	A Y N E G T K A	L A L L N A A E S E R Y A R A
UniRef90_UPI000463C303	A L T T A L N A V	E V E Q S L V T L	S N A Q N A G L	K A L L T A A E Q R Y A A D V
UniRef90_C6M516	T L R Q A L N A V	E V E Q S L V T L	S N A Q N A G L	K A L L T A A E Q R Y A A D V
UniRef90_UPI00024INU2	T V V T A M Q E V	A D T G A S Q R	A L S E R L Q T H	N A A L A L E A G Y N R S F R E A T
UniRef90_V4QN79	R R D Q L R F D V	E Q Y Y S Q L Q	S N L D N V L Q	T A T A L A L E Q A R E A L N I A
UniRef90_K9X0J2	A D L T A I Q E E	I N D S M C M I	K F D T Q K D N	A N M K K V K L E S H N F K L I
UniRef90_R7BY50	T L V T A L E E E	E N A L T M L S	T A E T R K K P	L Q R A S I E S A A D R L T
UniRef90_UPI00035F2B8D	T K V E L R K R I	E Q A Y T N M T	G A K S R W D A	A R K S I E A S R E A Y R F A
UniRef90_UPI0002ED3D58	T V L A G L Q D V	E D N L S T L R	V L D Q E S A V	Q A Q A V K S A Q L A E R L A
UniRef90_UPI000468EEAC	A L R L A L R Q S	Q T S I H G Y G	A M R R K S R L	D A A A A A D N A A Q L A
UniRef90_D1XX25	S I L T A G S E V	S N L V A Y A N	E S A N E K N K	Q Q Q D V L K K N V E H S
UniRef90_H8GH04	T V L T G F Q E V	E D N L A A L R	L L A E E V Q V	Q D E A V T A A E Q A L A L M
UniRef90_A9BLT9	V V I K A L A D V	E N A L V G T Q	R L Q S Q W H	A S E E A E V L Q R S L G F A
UniRef90_UPI0003732183	A A T Q S F V D V	E N A L I G V R	K T A E Q V R L	Q E A A V K S A R E A Y D I A
UniRef90_R9GM19	A K N S I Y S Q T	E A A M A S Y K	A N L N D W K T	S R Q N V T L S Q E V Y N T I
UniRef90_R4YQ86	V L L T A M Q E I	E Q A L T N E S	Q Q F Y L F S T	S L A M Q L V L A N K T Q E Y L
UniRef90_R5JUV7	A K S D L Y K E I	E Q A Y T A V A	A H K K F T S	S Q K S Q D A R I A F A Y E Y
UniRef90_W0RD34	A V L R A T G E V	E T A L T A Y R	K A R E R L A Q	L D A A A T A S A K A A E L A
UniRef90_M1WTR6	Q R N Q I R F E V	E Q A H S N L K	S N L J E N L K T	A N T A L D Q A K E A D L R L A
UniRef90_R7HUZ4	T N L T A I Q E V	N D A L V A S K	L D K E K M L Q	T T K Q Y N L E K S D Y K Y S
UniRef90_A0A014MRE6	T I V Q A A G E V	Q T S L H T L J	A G V D A Q I Q	A Q G Q E L E Q A Q R A L V L A
UniRef90_UPI00037CBCDC	T L Y S A L G D V	E N A L G T R S	A L A Q Q G E L	L A G S L A S R R S E Q L Y
UniRef90_I3ALG0	A A Y R A L A D V	D N A M E Q R L	D A Q R Q I G N	Q Q E L L A M S R Q G V L L A
UniRef90_R5MDT6	S K K T L Y K E I	Q Q A Y N A V N	A E T Q Y R S S	R T A D E A A Q A S F Q L M
UniRef90_S6LFP6	A V I D A V E D V	Q V S I S G N F	T Q Y Q T Q S D	A L K K S S D F Y S K A L L L A
UniRef90_UPI0001D2F4E3	Q R D S V R A S V	V A S Y G Q L E	T A R A S I L S	S Q A A V K A A E M A L Q G V
UniRef90_Q2KVS9	A L Y Q A M A D V	E N T L S A R A	Q L A R R A R L	L L E A A L E A S R D A E R L Y
UniRef90_UPI0003658911	T V Y S A L S E V	E D D A M E Q R	L S A D E Q R E	R L Q Q S L A T S Q K R L K L T
UniRef90_UPI000475ADA5	S V L V G V A E V	E T A L G D L E	S R Q R E Q S S	R Q A G K A V Q S R L Q A L
UniRef90_U7UFQ8	V R E S V Q L E V	K K A Y L N I R	S A A Q K V E A	T Q T V T N Q A E E N F K I Q
UniRef90_A1HRF7	T R D A V Q L E V	E R Q A Y L S L	K E A E K R I E	T T K V A V D K A E E D Y K I A
UniRef90_K9V0Y9	Q R D Q L R F E V	E R F Y S Q Q E	S N R Q N I Q T	A N V A V D E A E R A L Q L A
UniRef90_D5WZT7	T V L Q G L R Q V	A D V L R S L E	H D A Q A L Q A	Q S A E A S A Q T S L Q L V
UniRef90_E2ZCU2	I R E A V Q L E V	E K Q A Y L A I	R S A A Q R V Q	A T Q T V V N Q A T E S F K I A
UniRef90_A0A038H076	V A L Q A F G E V	E N A L A A E S	A L R E R E T L	J A R A V S N D N A K E L F D L Q
UniRef90_K0DQ23	T V L A A F Q N V	A D T L A A L E	H D A Q A L H A	A N T A A R S A Q G L F D E T
UniRef90_R6VT01	V R K S L Y K E I	Q Q V Y Y N A R	A A E S K Y A S	S R E A V A S N E E A F K L T
UniRef90_F0I131	A E K D L Y T K I	E T A W H N A T	H Q A E Q S K T	A R D N A K L A Y E L A
UniRef90_R5CPA2	V R K N L Y K E I	Q Q A Y Y N T I	A A R A K Y E S	S M E A S R S N K A A F D L M
UniRef90_UPI000225FF11	T V L S A W K D V	D D A L N T A F	T K D G Q R T D	D L A A K K A A D Q R A Y E L T
UniRef90_T1XWD4	T Y R S V V K D V	R A F N N I N A	S I G A L R A Y E	Q S V I S A K S A L E A T
UniRef90_H2FVC8	S F R S V Q S S V	Y S S Y N D V	T A A I G S I R	A F E Q L V I S A Q S A L S A T
UniRef90_Q139U7	I R N Q S R T A A	I G A W V S N E	G S K I A V S A	S E V R A A E I A L K G V
UniRef90_UPI00037871F2	T V R Q A V I S E	V E Q A L V N L	N A N T G E R A	G D A Q A A L Q G Y R V N F T A V
UniRef90_K9U7H7	T R N Q I R F Q V	E Q A Y K N L Q	A N T R S I Q T	A T V A M Q Q A Q E G L E I A
UniRef90_UPI00047EA47D	T V L T A L Q G V	E D Q L S N L R	L L A D Q A Q Q	Q L A L E A N K A V T V S
UniRef90_UPI00037EEB54	V V L N A L R E T	E T A L S H Y R	H D L D E Q A R	L A Q A R E Q A D Q V A Q D N
UniRef90_Q0YQM9	T E Q Q V K N E V	E E M L D G V Q	T S S K K L L T	T D A Q V N Q A K L A A E H A
UniRef90_E8LCL7	T V D S V N L D V	R S N Y L G L R	E A E K R I S T	T K L A V E S A D E V A T I A
UniRef90_A0A011R9H4	T V D N V L V E V	K R Q F M A V E	T G G H K N L R	A Y Q K A V E S S E V A T E G T
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UniRef90_T0LH27	Q K K D L E L D I	R T T Y L N V Q	S A E E K I S V	T Q E A A K S A E E D L N L T
UniRef90_Q7VF20	N V N T A L G E V	E N A L F D V Q	S K K R Q V N	T Q N V Y E L G V E A Y E S N
UniRef90_UPI000363CE49	T A L N A F R E V	E Q A L A A E Q	W L Q K Q E Q S	L R E A V A Q T Q E S R K L A
UniRef90_J9H9K9	V V L T A L Q E V	K D A A Q D T Y	R N A L R Q Q A	C Q S L E A E G K E V L T L S
UniRef90_K2JSZ6	A R R T A V S N A	A A Q D N L A A	A K A R I E S	L V T V I G A A E I A L D G V
UniRef90_D2UGX3	V V L A A L Q D	T A N T L Q A L	L S D A Q T L	Q A A V A A R T A A A R S L A L A

UniRef90_Q8FFV6 Q A R F N A G L T I A G S R V S E A R I P A L R E R A N G L L L Q G Q W L D A S I 400
UniRef90_UPI00047A8143 H V Q Y E E G S I A S Y L D V I E A D R T V L L A Q Q R V S V Q L L D G Y E R A R S A V
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UniRef90_C0QFG5 T R R Y Q R G L T I F L L P L I S E D Q L N V Q N L E A K G L I Q Q A E L L K A R Y I
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UniRef90_F6DZ00 V E E R K V I G Q R T T L D V L T A Q Q Q D V L D A Q E S D L A G A Q R D A V V A S Y
UniRef90_C0IN57 Q A R L D R Q V T H I G P I L S A R L Q E I N A R D A Q D A L L S V D L A A V L A D I
UniRef90_U2LK34 N S Q Y Q A G A A S L Q T L L D A E D A L L T T E S N L S D L Q Y N Y L N A T M
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UniRef90_UPI000468FA67 E V R Y R A G S V S L R F W L D A Q E K R R V A E I A R D E N V L N R L V A N Q V
UniRef90_L0M0R4 Q A R L K V G I S N A Q Y S H A H E L P A L H E Q I N A L K L Q G E W L D A S I
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UniRef90_F4HAL8 R D R Y N A G V S E L K D W L T A A N T E K S A Q L S E L N A K K Y Q L T Q A N E T
UniRef90_K6BKM3 N D Q W K A G A I S L K F L E D S R R Q F A S A Q Q D A E I S A R R D Q G Q A W I
UniRef90_D5V2P6 L N S Y K Y G L G N Y L N V L T S Q K K F F D S K R A L I D T K L S E L I N R V
UniRef90_A0A015Q4W3 E S L M R H S N A T Y L E V L T A Q Q S L L E A E V Q Q L Q T R F E R I L Q S V I
UniRef90_C6C450 E A G Y Q V G T R T V D V L D A T T T L L Y N A K Q Q L S G A R Y D Y L V N Q L
UniRef90_A0A023WTK7 R R L Y Q E G R L A Y L D S L D A E R T L A T A E A Q L A S Q A Q L S Q D Q V
UniRef90_F9T650 E A G F D V G T R T I V D V L D S T R R L Y D A Q N K L S N A R Y D Y I L S N R L
UniRef90_Q2Y7Y6 V Y S Y Q H G Y I E L L T L L D S Y R S T L T A Q S A H L S V R R Q L L S V R L
UniRef90_UPI0004663CDD I E E R K V G Q R T T L D V L N A Q N A L V T V Q I A L V Q A E H D S I V A S Y
UniRef90_N6VZE4 R G R Y Q L S G A T E Y L D V L S A L T T L Q D V Q R Q Q L E A R W A L L D R T I
UniRef90_R6IR1 G E M F Q L S Y T G F L E V L S A E E R Y L D S E H I D I V T D L C R K K I
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UniRef90_UPI000415CFD7 E A R Y R E G A V P L R S W L D A Q E R R R S A E I S V A D N R L N R L S N H A
UniRef90_UPI0003B5292B R R E A A G G Q R T T L D V L N A Q N Q D L T N A R S R L I Q A Q R E R I I A S Y
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UniRef90_UPI00024INU2 R L R Y E G G L S D Y A T L V L Q Q N L L T Q R S T N N A L Q S R A L N T L E V
UniRef90_V4QN79 R L R F Q A G V G T Q T E V I S A E N D L T R S E G N R L T A I L N N R A L A
UniRef90_K9X0J2 E E R Y K A G I I S Y L D M I Q F Q E T L L S L Q T E K D N S K A Q R L V D Y I
UniRef90_R6PHV1 M Q Q Y K A G L V D Y Q N V L T T Q R T L L S A L E S T A T N N A D L A T G L V
UniRef90_R7BY50 E E K Y E S G R A N S Y E L F L J A K N N L T Q V L G E E A Q A K Y E A
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UniRef90_UPI000468EEAC R S Q Y E A G M V S L L E V L D A Q R S A Y D Q R S L S S A T I D V A L R W V
UniRef90_D1XX25 Q L L X Y K Q S S S Y L E V I T A Q Q N L N A Q I S Q V Q E Q F T K L Q S I V
UniRef90_H8GH04 L N Q Y K A G A V S Y L N V M T A Q T V A L S N Q Q I A V Q L K G E Q L N V A V
UniRef90_A9BLT9 K D R Y E A G Y A S Y L E L D A Q R N L F Q A Q Q E V I R L R Q S Q L E N A I
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UniRef90_R4YQ86 N Q R Y Q N G A G D F L S L L N N Q Q D V L K L E R Q V L A A E Y Q Q L R Y R I
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Q N I L V N A A T A T A Y A D V L G F Q Y R R E A D L R A R R E N L A A L R Q V L R V S D R A
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E E T L R N A A S A Y Y M D V L R D D R Q V A V L T E Q S N S Q V R N A E V T L R D A R A Q A
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U n i R e f 9 0 _ U P I 0 0 0 3 6 6 9 3 A E N S L A A R V I Q A W L D I H Y R A Q Q I A V E E H W N T S L N H T E A I I R E
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V Q L A A E D V G Q V L N Y R A G L V E Q A R R L A I F S D T N L D K I E Q Q S L E I V I E S Q Q
D N L Q I E I L T D Y L Q I L Y A E E A V L N I C A Q Q T V L E V S Q R Q V E R S R E K
N N T A L R V A E V Y L N V L R M Y Q E E T Y Q L S S R Q E N T L A T H Q A T M A S T I G K A
T Q I A G I A N T Y Y T L L M L D E Q L D L S R Q T E E A W K E D L T V A S T R A
D T L V A S V I R T Y L N I L I L Q Q D D L N I E Q Q R Q R L T V L E N N E Q S V E
Q A T L L N G A T A Y F M N V L R D T A I V S E L A R A N Q K R S Y R E E Q F Q L N Q R D
Q E L L V R V L E A Y T G A L L A Q D Q I S E L A R A N Q K R S Y R E E Q F Q L N Q R D
Q Q V L L D A V I T A Y G D V T R D Q A T V K I L N E M N Q I E K F L D E A Q S I K A Q R D
V E V V S A V V V Q G Y G V S Y Q G N V Q K Q A I I E M M Q I E A L R L D A Q S I K A Q R D
I D V V E Q V T K A Y Y S V L V S R E R M E L L N M N L A R L D T L L K E Q T Q V
Q S L T L R V A E Y F G V L G A V G D D L T F A L A E R E A I A K R Q F E A Q M Q Q
Q T V L L N A A Q A F L D V L R D Q A L T S L R Q K N V E V L R O Q K N I A E R Q Q F Q A V K Q D
I S I A A E A A D A Y F R I R S A Q A R I R I A E D Q V Q T S D K L L G L V K L
S E T L L N V M V Y T D V L K K K A L L E F R K Q K T M S N L Q R Q S L Y E S Q R K
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E N M E L Q I T S Y F L D V L R F K K E L L V N Y E E A N Q Q V T L T Q K Q E E R T S
Q Q L T L Q N L A Q A Y F D V L R A R D T L A A T R A S S K K T Y Q R N L L E Q Q A R T
L T L L Q N L A Q A Y F D V L R A R D T L A A T R A S S K K T Y Q R N L L E Q Q A R T
Q T I L F Q N V V Q D Y V A V L V A D Q K L L A L Q Q S N Q Q V T L T K Q L H D T Q T
Q T V F L N A M Q A Y Y N A Q A A R A A V A A A V E S E K A S R E S L N A A E V
E E L R L S V S T A Y Y N L Q Q A D R V R I A E S A V I T A V E N A Q A S L R D A Q S
D G T A L E T R A Y Q D V M R Y R D L V R L A E D N L S H V D V F E Q Q I E T
E N Y L L N V A S A Y Y N I L K A Q K T L N I A Q E N L S R L E K H R D V A K I
D N I E S A I T S G Y L Q I L Y A Q E A V L I N Q Q K T V S V S K A Q C Q E R G E K
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D N I A L T V T Q S Y L Q L M L A K Q L A A T A V E N A Q A S L R D A Q S
Q D L L L R V A D A Y F N V L Y A Q D T L T A T E A E K A A V A G Q L E S A K R
Q Q V L L S A V S A F M E V R R A E E T V T L R R A N N V R V I G E Q L E R A Q D
E D I L Y D V E N A Y Y S V L S T Q L Q M D N L K A N H D Q Q L K R L E S I T K S
R M L A L D V E N A Y F D V L R Q A K D N L A L A R E N L Q A F R N I V E V N A T
E N T I V Q L F S V Y Y Q V A Q L T E N A N V L K A E L E I S K D R Y I R A E Y
A E I L A S K V S T A Y Y F E A L L A L J E R L L S E Q A A V T A Y G A Q R E L A E R A
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AVL TGLNANASLSAL PEGFVNEPVP FFKQTDYDTLV EGVQAQYS
QQI TIGK P A GELAT ALTR PEGVQELNSP E PAQOMEK WVL E SAEQAYNS
ALL CGELPEEAFRQA IRR PSV P SGL P S SLL QRWR P DLQAASS
REI TGLIYQEVNVLNTE TFAAQAS PA PQNV EEWL DLQAQQF
QVVDI SAAE PVEI LSGLWNL SL EDS I V L A L R N R A E L Q L L L
FTLTNRSHVAL EGE TJE HS L P V L P P M P N D A T A W V D T A T Q Q N Q
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A Q A L N L Q S A E G F D V E A P D M R P D E V Y Q R A L D I K P H V K E A A F
KRL TGLLEPSGIQT V R D Q L P L L P P K P A G L D A W I D M A Q R N S L
A A L N I D L R D T G R Q P P R G Q A A L G V P A D L V R R R P D I R Q A E R
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L R I V G E L P P E N M P L E L N K S Q L P L M Q L A Y Q H S P S F H A A L R
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K Q L L E L G T E E S I N A T P E L D Q N E I Y Q T A L A C M P G I K Y S E L
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A K I I G T A P G A L A E L P V G V Q L P A P Q P A R V A D W S N D V L R A Q L
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N V V L N Q D L N K A Y Q V D T L V V F T P S I E L T D H Q N N V S L L Q A E K
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K F Y M G M P I E T Q I D M P K E E F E V V P A Q E P N I E N R T E Y L L L K K
N H S M G R P D M E P Y E I A D I A P E R R P V I S T A M A E H P D L K S Y G H
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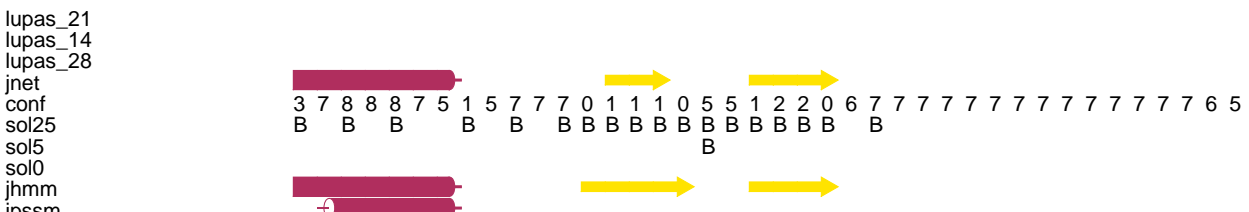
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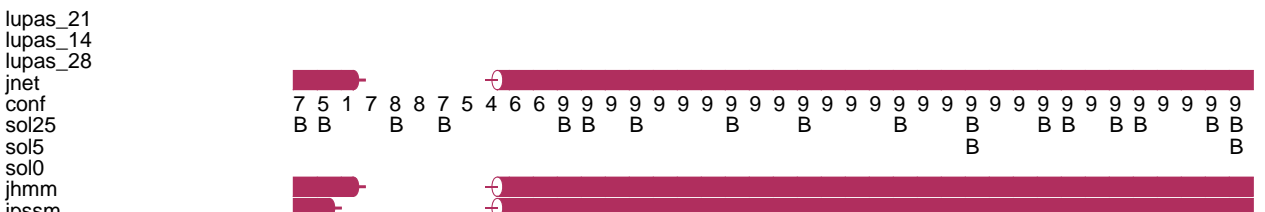
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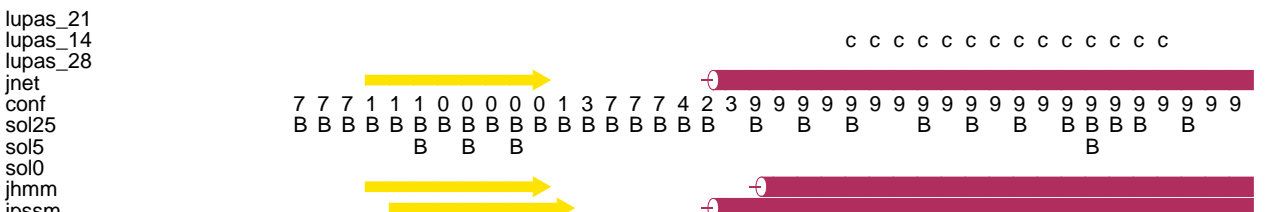


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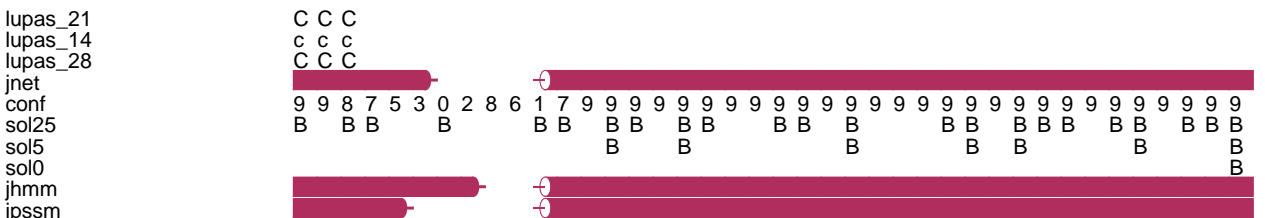
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Y V T N S V G V Q I D I P I Y A G G G V S A D L R R A V D G Q D K L R Y E R D A
T D N E Q I G V S L T I P I F D W G A K K A R V R Q S S K L A M E S D E V D M S E
A G T W N V G V I V Q V V W N W F E G A K V R A S K A A T S M A Q M E L Y D
Y Y Q D L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