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

QUERY UniRef90_S5YZG7 UniRef90_F5LAZ7 UniRef90_UPI00041F2B99 UniRef90_UPI000307BBC5 UniRef90_K0IK96 UniRef90_E3IEZ9 UniRef90_W4QW25 UniRef90_UPI00034594E2 UniRef90_K6D874 UniRef90_UPI0004745E96 UniRef90_F3ZW49 UniRef90_R5I6Y7 UniRef90_UPI000374B9B3 UniRef90_T0BN77 UniRef90_R7CMV8 UniRef90_UPI00047AAC39 UniRef90_F4XEY2 UniRef90_A9A121 UniRef90_D4LSG3 UniRef90_R7DBH6 UniRef90_F4B858 UniRef90_R6L1H0 UniRef90_R6NPL4 UniRef90_V6AVF6 UniRef90_I5B077 UniRef90_R5C913 UniRef90_B1HRE9 UniRef90_UPI00036F62F9 UniRef90_U6SNM8 UniRef90_G8TU81 UniRef90_X4ZH42 UniRef90_R5NK82 UniRef90_R5HA92 UniRef90_U5CLW3 UniRef90_A0A023X237 UniRef90_O87697 UniRef90_UPI0003749395 UniRef90_UPI000470F1D6 UniRef90_F9VNN1 UniRef90_B0K2L0 UniRef90_W4EC68 UniRef90_U1W9I8 UniRef90_R5XPE3 UniRef90_R6R024 UniRef90_R5QFV4 UniRef90_F8DQ07 UniRef90_U4Q815 UniRef90_D9TRJ5 UniRef90_D5WT74 UniRef90_R7FAK5 UniRef90_D3E2H9 UniRef90_K9D504 UniRef90_UPI00047C5CF4 UniRef90_R6R413 UniRef90_UPI00037B03A9 UniRef90_R6WJ70 UniRef90_M8D761 UniRef90_M6D1U5 UniRef90_U5RRL5 UniRef90_UPI00042528FD UniRef90_E6VQP4 UniRef90_B7IHG5 UniRef90_R5A5D4 UniRef90_E9SKQ1 UniRef90_A1HPX3 UniRef90_C3L320 UniRef90_W4LL55 UniRef90_F9N797 UniRef90_A6LKW6 UniRef90_B8FH70 UniRef90_F3KN53 UniRef90_R8W575 UniRef90_D9SP01 UniRef90_F2NFE4 UniRef90_UPI000370A2EF UniRef90_T0FB61 UniRef90_M1WW62 UniRef90_A0RY2 UniRef90_V6I4Z7 UniRef90_R9MFZ1 UniRef90_S7UTZ5 UniRef90_UPI0004727FBF UniRef90_G5IHX8 UniRef90_E7RVM7 UniRef90_A9KP90 UniRef90_R5IFK1 UniRef90_H1CIE6 UniRef90_K0B9V0 UniRef90_U2SE02 UniRef90_E4RK37 UniRef90_D4K602

P A V V V I D D K G E H V I S L L G G H G G G A N N E L T R R R E V A A A I L L N G S A R T P V I V V
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130 140 150 160

QUERY T K L S I E R A N I L I A K I I N P E N I V K I V N A A A L L R D E S V C I D G I

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C C L G D L A G E L F S N Y D G L L F V I M A A A G I V R V I A P Y V R R D K R V D
D N F G E H L R D L Y R A N T P I I A L C A A G I V I R S L A P V L G D K D N E
V D L R A V T A L A W E A S D A L L F V I G A A G I A V R A I A P H V A S K A S D
S G F A N T V R N A F I Q Y S G S L L V M V I G A T G I A I R A V I A P L V K D K L I D
F L L D K I T K E C F E K Y D S L V F I S S T G I A V R A I A N Y L K S K D K D
A D P A G L V R G C V G S R Y E G L A L I M A V G I A V R L I A P L L K S K W E D
F A R G D E F P A G L V S Y K G L I V I I S L G A V V R M I A P L L L Q D K K T D
G A L R T Q I P L M F K G Y D Q I I Y F V S L G A V V R L I A P H L V S K D E D
Q T L R E W A E E W F K L D D S I F F S A T G I A V R T I A P F L V S K K T D
G T L T Q T V Q E E Q P H G Y D S H I F F S T G I A V R V I A P F L V R S K C H
A S L S E L V A E T F H Q R R A H I F L C A C G I A V R A V A P H L R G K A V I D
F N I N N I T K E L M K P H Y E A V I F L S S T G I A V R S I A P Y L K S K D I D
G R L A A V M A Q V W P H Y R A G I V C I M A T G I V V R T I A P L L L G D K Y H
F A F K D E I A G L F E R Y D Q I V F F V S L G A V V R L I A P H L K S K D E D
G A I A A W T R E Y F S A S M D A L I F V I S A C G I A V R A V A P C L E N K A R D
F I S E A T L R E T F S S M D A L I F V I S A C G I A V R E I A P Y V K S K K T D
F I S E A T L R E T F M E Y D C H I F A I S V G A V V R M I A S P L L L V S K K T D
G N L S A W T G Q N W Q D T A L V F V I G A S G I A V R S V A P Y V Q D K F S D
D H I A A F V E Q H N T E F S T F I F I G A M G I C V V R S I A P C L Q D K H H T
G K L S E A V T K N F Q A Y E G L I F V I M A T G I V V R T I A P L L L Q D K L T D
T N F G E T L R E L F A A A G D P I I G I C A A G I L I R T L A P L L L T D K R Y Q
T S L E K W T Q K A F E E A G T G I V F V I G A C G I A V R A I A P Y L K N K Y Q D
G K L S D F M P K L F R N Y E V L I F I M A T G I V V R S I S N E I K S K F D D
R V E A A H L R A L F A A R T P I I G I C A A G I L I R A L A P V L G D K Q A E
G D F K A T L Q T Q F K A V S C L I L I M A S G L I R S I A P V L L E D K T K D
D R P A D A L R T A F A E C G S V V S M L A V G A T V R V L A P L L L G G K T T D
E P I K E L L R R T W A L H D G H V F V I M A A G I V L R A I A P L L L D K R V D
R S L S E W T G S M F G Q K R A L V F I G A A G I A V R A I A P Y V R R D K M T D
G K L A D H L R T L F A A G E P I I G L C A A G A L I R I L A P L L L S D K R S E
H N F G T G L R T F T E Y R S Q A L I C I M A T G I V V R T L A P V I E D K L S D
Q S L Q Q A V E E K F G R Y R S H I F V I M A A G I A V R I L A P H I T S K L S D
Q R L G D L V P A L W Q E G S V L I F I M A S G I V V R K I A S L I D R K Y D R D
A S Y S E F V A A S F A A Y D R F L F I G A M G I C I R A I A P C H V E D K Y A D
S N L Q E A V P E F H K F A D A L I F I G A M G I C I R A I A P H I S E D K Y K D
T S L A D L V S D K F S A Y E A H I F I A A S G I A V R A I A P H L K N K A A D
T K C K A C M E E Q M Q E R N A L L F I G A C G I A V R A I A P Y L T D K L H
F A L S A N I G M L F A R Y D Q V V M F I S L G A V V R A I A P H L K S K D E D
S S L S R E I K R R F Q R Y E K H V F I F S T G I A V R M I A S P L L L Q S K L A D
G K V G A Q V P A L F A N F D G L V A I V S L G A V V R L I A P H L K D K D F D
G R L G N F T K D L M E K E V L I F I M A T G I V V R S I A S H I K N K F S E D
D S L R E C V R E T F I R Y E G H I F V A A T G I A V R V I A E H I V A K D T D
Q R T D V G N Q W A A D A F V F I G A M G I C V R T I A P Y I E D K H T
T Q F G E T V R E L F T Q G T A I V F G I C A A G I L I R T I A P L L L S N K W Q E
K Y D G D L G R Y W D C F D A I V L V M A L S G A V R L V C K Y A K S K V A D
G G F A Q A V R T A F A H Y S A L I F I G A T G I A V R V L A P C L Q D K K L C
P S Y A Q F M A A F F R E Y D L F V F I G A M G I C I R S I A F L K D K Y T D
G D F I E F V H G T F P K Y R G L I F V T A T G I A V R S I A G A L K G K R L D
E N F K E N I E K L V I K Y E R I E I S A V G I A V R I L A P Y I R S K K W Q D
G S F A A T A K Q A F T T H T A L V F I G A T G L T V R V I A P L L R D K K L S D
E P T S E K I V I E L F K N S N A L I C L F S L G A V I R L I A P H L K D K K T D
F A R G D E L G D L F K R Y N G I I L C I S L G A V V R M I A P L L L V D K K V D
K S L T E W V R K E F K K H H A I I F I G A C G I A V R V I A P S L K N K L V D
T S C H R F I E E H F N D F D S I I F I G A M G I C V R S I A G C I K N K Y K D
Q S P K P A L R H A W S N S N A L I M V I M A S G A A V R L I A P Y L E N K K T D
L H R D I D F R E V F S R S D M I I G I M A A G I M V R K I A P L L E N K K F S D
G G L S D W T K E N F K K G N V L V F I G A C G I A V R A I A Q Y I T D K T E D
G S V R M L F P A L F P A Y K R G I I C I I S L G A V V R M I A P L L L Q D K K K D
S T Y R D N L K E L F K N S R A V I I S S T G I A V R L V A K F L K S K Y E D
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UniRef90_D1Y752 T T A T D D D W A K E H D C V I E N I G A V K N V S A A L D G G E K I G V A V T
UniRef90_R5EXW9 T T A T D D D A W A R H G C A I E N D M G L A K V S A A I L E E D P L C S Q F
UniRef90_M6DSZ9 T T A S D D D I L G R E L G W S L E D Q D N V T R A C A A V V N E T K V M F V Q W
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UniRef90_UPI000369A951 T T A S D D D S Y G A D L G L R T E D R G P L A S I G A A V L S G D P V R L E G A
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UniRef90_D6ST58 T T A T D D D Q T A R H R N L F M E N P Q A V K Q V S M A F L A K K Q V
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UniRef90_D9S0T3 T T A S D D D V T A A K L G L Y I E N F E G L K R V S S C L L R G D K V A Y S G Y
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	170	180	190
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UniRef90_C0GDW8	R I D R T L P H S V		
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UniRef90_W6RSS9	P Y	L T Q Y I N Q F S G F K V L T R I K D H E S G V P L I I	
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UniRef90_X8K4S7	D I D T R G F T I L K Y E D M L L D K R N N E E I N D L E T V V V		
UniRef90_R5X3R3	G Y K G K V P K E V V C G I I V T A Q K K E E N Q K S N R L Y L		
UniRef90_R5XIM7	E N K I K A P K G Y		
UniRef90_U2CKR3	P L E K D L P K G V E I A S D R T D I K T K T P E V Y S N S V I Y R P		
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UniRef90_UPI0002EC9ABB A V F A L T E T G T K L A R R I L G K L L P D E T N E K C F G
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UniRef90_UPI00047A0807 L L V L N Q A G L A A E V I A R R F S T A R I H G L A F
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UniRef90_UPI00047B9000 G I I A F T H E G M K V A K K A S T V T D E E V T I V S F
UniRef90_C4Z7Q2 G I I A I T Q Q G L A L A K K L K V Q F P D S V I Y T L A K
UniRef90_E4T7K9
UniRef90_D8F453
UniRef90_UPI000364C870 R G I A I V T L S E E A R E L A Q L L K R E L Q E A D L Y S T Y L
UniRef90_UPI00040BC6D6 N I A K P L A L E C L T P G G V L A Q R L S A Q L P L T P G F P C E
UniRef90_C8W688 K T A V V T T P R E G S L L G Q K L S A I L K K Y D N Y V P Y E
UniRef90_Q7MXH7 A I I C V S A A G L A L A R T I A S E L S G E T E D V S C V
UniRef90_R5C1C4 M D K K T A I I L I S E E G L P L A H R L L P E F P Q A D N T C L N V
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UniRef90_G2HAW3 R P L A V Y A L T P G G A A L A R R I A G A L G G V L Y S A Q P F
UniRef90_UPI000287CE0B I E L Q K M K T L I I S A T K N G D A T S T L L K E K L E N Y K V D I C L
UniRef90_K9X119 A V V L G E N S V A I G R Q I M R V L P G A T L Y G V S F
UniRef90_G1V4N7 A L Y A F T D K G V V R A K E L A A G L G A P D V V T P G
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UniRef90_UPI00029ADCD9 I I T H S D K G Q Q L A K R L L S A D F E A T I I R S P K
UniRef90_Q8REY2 K L A F W T V T K G A G N I A R K L K E H L K D Y E I D V F T L
UniRef90_UPI000337302 M K E R Q I I A F S R Q N S V A V A R Q I I T I F P G G A I Y G V S F
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UniRef90_K9MXN9 I F S
UniRef90_H6L152 A I V T L S Q D G M V L A Q R V I L E H L E D K K C Q L Y T K
UniRef90_C9LWA8 A V E T A T S R G T K T A L R V R A S L D A S D I L F G K A Y
UniRef90_F9MMA2 M T K G D A L I S V S P R G R D T S I Q L A Q A L Q G I E G V A E I K
UniRef90_S7TFM7 K I A F W A L T G Q G L G L A R R L A A A L P G A E P G E R P F
UniRef90_G2SX00 M K K I A V I S F T Y R G A E L A E R H I Q E A M R A E G I G I S V D
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UniRef90_K9W5C8 F Q P L A A L A T T P S G A K L C Q T L P E S L T G I E N A Q V Y T
UniRef90_A0A037Z1G4 V D E N
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UniRef90_E3HDD0 A V I S V T E K A V E K A M E V A K K I D S V E G T I P F E
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UniRef90_UPI000336DBEE M V Q A S K N N Y K F I L S F T A T G K E L M M R F A S L L S E S D G D T V P F
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UniRef90_R7NA21 M R T I I T E T H E G M K V A K K A S E A M D G E V I Y C H F
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UniRef90_UPI0004795E73 M T K Q T A I I V L S E S A L P V A R K I A E A T N G S G A E L T P I
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UniRef90_D7CLW7 R P A H V I A L S E P A A N V A R K V R Q V L A D E E G E S P I N
UniRef90_F0KQP0 N I V K P I A V F C L T P G G V R L A R R L Q T H L P L A E E G F L P F N
UniRef90_UPI00016C0DCC I F S Y S D Q G C R L A R T I A N L F E T A C Y T T A T
UniRef90_UPI00037C0092 I G I V W A T A A G R E S A E R L A Q A W P G E C T V H S
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UniRef90_L8MFU7 M K A P A I V L L N G A G L A V A R R L Q G L Y P Q A E G A D E P Y
UniRef90_I3XZN0 M L S I A I L S I N R P S L H S A Y R L K T F L G D Y T V D I Y A K
UniRef90_B3QPM0 M H E R T A I A I T E T G L A L G H S L K S L S R A F E G V E T I
UniRef90_C6BYZ6 M E N R T A I Y A L T T Q R G A E K A R E L V D S L R Y A T E T D I P F
UniRef90_R5JJZ2 K L A Y I Y L T D R S R S L A Q D L I K L S S D R D S E I L Y F
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UniRef90_D1A9W4 E R W P G K V R L F T D
UniRef90_G5H134 A I F A L T A G G V Q L A V S R L A D A V D G S T V E T V Y F
UniRef90_D0GL67 K T A I Y C V S K N G Y N I A L S V I A R N R Y P D S D I Y V I T
UniRef90_K9WC63 F Q P L A L V A T T P T G A A Q R L Q P L C Q G A S I L W V P Y T
UniRef90_A0A059KHK5 R V C I V A I T T R H G A A Q A A L A R Q L P Q A S I C A S Y E
UniRef90_T1CN98 L Y Q N T M I K Y S L I Y V S D S A E A M A G L I A S E L R P E A E V F H Y
UniRef90_K9CHM1 A L F A L T T G G I R L A L H L Y D A L D S A E C E A Q Y F
UniRef90_J5HRH7 A L E A L T P Q G G V R L A L R L H D A E G G A E R K V R Y F
UniRef90_UPI00037F87D1 G V A V L V L A P R S L P L A G K I A T N L V R Y G I T V Q D Y
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	50	60	70	80
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UniRef90_K2P8B6	T S A K D H L Q S	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_H5Y426	S R L S D L V K T	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_F6D6H5	K N V K K L T L V	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_F2J5F3	S E T M A H V R K	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_E3DP15	S S E L R K L V T	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_E2CF41	S E T L D H L R L	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI00046563C7	K D R R E D F A K	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_D2Z8F1	D E L K A S L S E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI0004788434	K N I D K V L S E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_D6Z407	G G I K A T L A G	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_F9ZBN4	D S L T D F T L R	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_F6ACN3	D D F G D T L R N	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_L0L258	L Y E K G I F R K	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI000319001A	T E F G V T L R E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_F0KDW5	F K L S T L T E M	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI0002EC9ABB	R Q F G T T F T D	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_S6A829	N N T K T E I E G	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI00047A0807	Y N D L K D W T A	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_A0NRP3	N E T I D H I R L	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_G7Q9B4	A S L G G L V A E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI00047B9000	E K Y A N E M G S	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_C4Z7Q2	A T V G S V I K S	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_E4T7K9	W D L S T F T A Q	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_D8F453		L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI000364C870	E N L Q T G S G E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI00040BC6D6	G G F A Q A A R A	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_C8W688	K P M S L L I K N	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_Q7MXH7	S S I A E L I M A	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_R5C1C4	E S Y A N F F N	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_A5UMP4	K D V K N T F K L	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_G2HAW3	V S L A E L V A R	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI000287CE0B	E K L K S T C K E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_K9X119	T N F G E T L R E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_G1V4N7	E T F D A T L S T	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_R5TMR7	G R L Q A W C E Q	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI00029ADCD9	N Y	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_Q8REY2	K K Y D V E I N E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI000337302	C T L S H W T A D	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_K9PM67	T D F G E T L R E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_T1BT08	G A L S G H M A D	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_Q0TR66	F S L K G A T Q E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_D4J6T6	K K V A E W T K D	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_M1XTP5	E Y H G D V F A E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_B4S8C6	S S I T E W T A E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_K9MXN9	G S V R M L L P S	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_H6L152	E K Y A N E M G S	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_C9LWA8	E R L A P Q V A A	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_F9MMA2	G D V S T F V K S	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_S7TFM7	D E L L P T V A A	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_G2SX00	Q G P L A E W T G	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI000288FF6D	G A V G D A L R A	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_K9W5C8	G S L K T H L A N	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_A0A037Z1G4	F S F K D S V K F	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI00047665C0	L E R G D E L P V	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_Q114B6	A A F G D T L R A	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_F4KKT2	E E P S E A F K S	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_H1LK49	S N G D N T F A K	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_A0A015LP17	F A R G D E Q E K	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_W2BQE1	G K S G E G L R T	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_C3JBS4	S S Y Q T F V E E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_E3HDD0	N S F K K G V G N	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_S9RTH2	A N A L D H T R M	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI0003B6DBEE	G G L S E W T R E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_L1N758	E R L A D V M R E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_R7NA21	V A V G S V I K S	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_F9DU49	F A R G D E L P A	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI0004795E73	D D L R A H V Q A	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI00046476EB	R K I R D W V R D	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_B9LWZ4	E Y E S D V L F E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_D7CLW7	G D F K A L M A E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_F0KQP0	G S F G D T L R E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI00016C0DCC	K R I S A K V R E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI00037C0092	G P V K Q Q V Q Q	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_B9R106	N E T J E H I Q M	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_L8MFU7	S E F G E T L R E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_I3XZN0	K E T G E D F M Q	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_B3QPM0	E S V P A F V R Q	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_C6BYZ6	T S L K D L V A D	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_R5JJZ2	K D F K K S I D R	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI000368FB09	T E L G P H L R D	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_R5IKD4	P R L K A V Y G A	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_D1A9W4	G K A A D G L R R	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_G5H134	L R L A D V M K T	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_D0GL67	E R V P L L L D K	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_K9WC63	S R L K D H I A S	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_A0A059KHK5	G A L R D N E I A	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_T1CN98	K D L D N E I A R	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_K9CHM1	R R L A D A I R D	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_J5HRH7	V R L A D V M K T	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_UPI00037F87D1	D S L P H L L D E	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S
UniRef90_M9SKL8	T T A D E W T E R	L F T Q Y Q A L I C	AVV M A S G A L AV	R T L A P V I R D K L S

	90	100	110	120
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UniRef90_K2P8B6	P P V L V A V A E E V G S F V V V P	L L L S G G H H G G A N N D L A R R R I A S A T A L I G G A H A A I		
UniRef90_H5Y426	P A V L V L V D E E T V G S F V V I S	L L L S G G H H G G G A N D W A A L L A S D D R I G G A V P I I		
UniRef90_F6D6H5	P P A V L V D D E N G E H F V I S	L L L S G G H H G G G A N D F T L K M A D L G L G G A E P I I		
UniRef90_F2J5F3	P P V V A V S E D D G G S V V V S	L L L S G G H H G G A N D L A R R R I A D D G L G G G H A A I		
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UniRef90_D2Z8F1	P A V I V V T D E E G E L V L S	L L T G A H G G G S N D L L A R S L A S D L G G A H L V S		
UniRef90_UPI0004788434	P A V L V I D D K A K H V I S	L L L S G H G G G A N E L L A R D I A K T I G G A E P V I		
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UniRef90_F0KDW5	P A I I V V D V L S K Y T V I	L L L S G H G R A N E M T L K I S K I L L G S L P I I		
UniRef90_UPI0002EC9ABB	P A V L V V D E Q A H H V I S	L L S G H G G A N E Q W T A K V A D Q L G S S D P V I		
UniRef90_S6A829	P A V I V I D D T G T F V I S	L L S G H G G A N E L T K I L A E F L D D A Q E A V I		
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UniRef90_D8F453	P A V I V L D D E G K Y V I S	L L S G H G G A N D L A R S K I A V L T L G G G E P V I		
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UniRef90_A5UMP4	P A I L N I D S E N A N F V I S	T L L S G H G G A N K L T S K V A N M L G N A T E V I		
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[I] P V V V I D E T L G H F V V V S L L S G H H G G G N D L A L L L T A R I L G A T A V I
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P V I G Q I P K E L K
S I E G T V P E E V K I V P E T Y E N P D I Y I
A V D E T I P S G I R L C A Y
W P L P A L P A N V
Q L T G S L P K L V V E D S S L
V W Q D Q L P E
W P L G P L P E N V V R S G I L I S D R A A D P P R P A V V Y R P
D I D L N L L N L D I R G F I I T L Q D A L D D K D E Y V I H I R
A P W L D
V I G S T L W Q N H L P D G H P F D F E Q S D D A Q G E I I I T S R
L W Q T H L P A N
N I
W V E P D L P D
D I D S D L P Q
E L E G P M K P H I L L F D I I S S R K A R Q E I P L P V H V F I R P
A L P A V L P H V F E L F S G
Y L E R T K P D H V K V F Y K Y E D I N Q S E F E L L I A V
V N L I L P K N W K P I G Y N V S Y H N R N Y V V V D D D I I L K P
P
Y N I V K I T N G Y K
T A V A E L P A G L E R V G
E
A W Q N H L P E
V W Q K S L P E
A E W L
A A M R E D V A R C D T R G F I A V D R L D
N S N L R F P D N V K E N G R I I I T R R D I K P G L N D L I L L K
E P L L G E R S R C D V R G F I P V A R L D P P L D A L V C V T L R
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S L P S D F P Y K V L L S P Y L I A L K P N E Y Q L Y P P A V W V
P
E A L R E E V A S C D T V T C L D A L P E L D G L V C V S L R
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D R L L A A L M D A Q F H F R Q K G A H H V F V I G A A A G I A V R A A A P L H L R G K K A S Q D
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E P F G A W L A A Q W L Q Q R A F V F A M A T G A V V R A I A P L L S N K S S D
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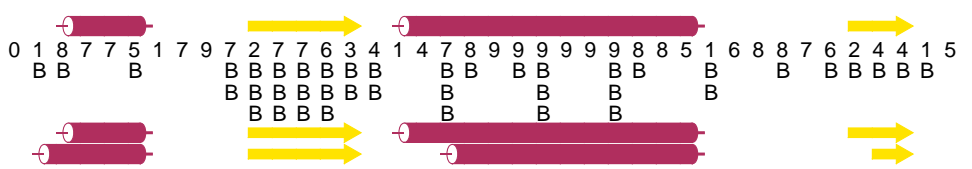
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