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UniRef90_D8MQ80 Y E T V N P L K V G K E F A S E P V W F W G G D S D R A S L G V D K D V Y L T T V P P
UniRef90_UPI00036374DF Y E T V T P I K K A N A P F F A S T Q Q R V W F Y G G E D K K E Q E V N L L G G V A K S D D A S A V I T T V I P P
UniRef90_DOZA86 Y E T V T P I K K V G Q P F F A T T Q Q K V W F Y G G E R S D E K K E Q E V N L L G G V D V D K S A A A V I T T V I P P
UniRef90_K8WV1 Y E T V K P L Q A G V E F F A S E Q P V W F W G G D D N E K E V N L L G G V T E Q D L F L V T T I T P P
UniRef90_UPI0004788CB7 Y E S H K L Y D A N G K P V L A T S K K V W K W G G K A N E I V N L L G G V V E N F L S V V T S T M P P
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UniRef90_A0A021W9X5 Y E T H K L Y D T S K V I A Q Q R V W Y G G D K A K E V N L L G G V A A K D P L A I V T T V P P
UniRef90_UPI000468FF0 Y E T F T P I K A D A P F V T Q R V W Y G G D K K A Q E V N L L G G V A A K D P L A I V T T V P P
UniRef90_A0A014PSE6 Y E T V T P V K A D K P F T T H R V W Y G G D R K K A I L L G G V A S G D A S V T T V L P P
UniRef90_UPI00047A7ADD Y E T H K L Y D A N K P L A T P R L W K G G E Q Q D Q V N L L G G V A A K D P L A I V T T V P P
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UniRef90_L7ZFO0 F T T V H L F S A G Q S L G E E P V W Y G G S H R L P V L G G S A E Q D Q S L S L S K
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50 60 70 80

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UniRef90_U5T5H1	F	E	T	H	R	L	Y	E	A	D	A	T	I	N	T	P	R	L	W	K	G	T	A	D	S	T	L	P	V	G	G	F	L	E	N	D	L	Y	L	T	T	V	V	P	K	Q					
UniRef90_UPI000475FC7B	F	E	N	V	D	V	K	L	Y	S	A	G	E	P	L	E	T	V	K	W	K	G	I	L	E	S	E	V	L	T	A	G	V	I	T	Q	K	D	D	L	I	V	T	T	V	V	P	K	Q		
UniRef90_F2LE65	F	D	A	V	R	L	Y	K	G	G	Q	A	V	E	T	P	R	V	Y	K	G	K	A	N	S	T	V	Q	L	L	G	G	V	T	Q	K	D	D	L	Q	F	I	T	T	V	V	P	K	Q		
UniRef90_Q12QY7	F	E	T	I	S	P	Y	K	A	G	D	T	F	T	N	H	A	I	W	Y	G	G	D	K	S	T	V	Q	N	V	L	G	V	T	K	D	D	T	F	A	I	T	T	V	V	P	K	Q			
UniRef90_A1V022	F	D	S	V	R	L	Y	K	A	G	D	P	I	G	T	P	R	V	Y	K	G	G	D	N	N	Q	I	V	Q	V	L	G	V	K	Q	S	T	Q	F	I	T	T	V	V	P	K	Q				
UniRef90_UPI000378ED2E	F	E	T	F	S	P	Y	K	S	G	E	K	F	A	E	Q	R	V	W	Q	G	D	K	E	N	Q	I	L	V	G	G	L	L	K	Q	S	T	P	I	T	T	V	V	P	K	Q					
UniRef90_Q2SA35	F	E	T	H	K	L	Y	S	A	G	Q	K	L	V	D	S	D	I	W	A	G	S	A	D	T	L	P	L	L	G	L	S	K	E	I	V	V	T	T	V	V	P	K	Q							
UniRef90_UPI0004752AF0	F	T	T	V	Q	L	Y	H	A	G	K	K	I	G	S	E	N	L	W	Y	G	N	P	H	Q	L	D	D	V	V	G	P	T	E	R	D	E	S	L	T	T	V	V	P	K	Q					
UniRef90_D3RQT6	Y	E	S	H	K	L	Y	S	A	G	E	P	V	G	E	N	L	R	V	W	Y	G	E	T	D	T	L	P	V	V	G	P	A	T	D	D	L	S	T	S	T	T	V	V	P	K	Q				
UniRef90_H8Z6U6	Y	E	T	R	K	L	Y	S	A	G	Q	V	L	N	N	A	H	V	W	G	G	E	T	D	S	T	L	P	V	V	G	P	A	T	D	D	L	S	T	S	T	T	V	V	P	K	Q				
UniRef90_F2JY10	Y	E	T	R	K	L	Y	S	A	G	Q	V	L	N	N	A	H	V	W	G	G	E	T	D	S	T	L	P	V	V	G	P	A	T	D	D	L	S	T	S	T	T	V	V	P	K	Q				
UniRef90_H1G1E8	F	E	G	H	K	L	Y	D	A	G	V	L	E	T	E	A	R	V	F	K	G	E	Q	N	K	V	L	P	L	L	G	V	L	V	Q	D	D	L	H	Y	V	T	T	V	V	P	K	Q			
UniRef90_W6M1V5	F	E	S	R	K	L	H	D	A	N	T	P	I	V	I	T	A	R	I	W	K	G	Q	A	N	Q	L	P	L	L	G	V	L	Q	D	D	L	H	Y	V	T	T	V	V	P	K	Q				
UniRef90_UPI0004770DE1	F	E	T	H	K	L	Y	D	A	G	V	L	E	T	E	A	R	V	W	A	G	G	E	Q	N	K	V	L	P	L	L	G	V	L	Q	D	D	L	H	Y	V	T	T	V	V	P	K	Q			
UniRef90_U0FZQ1	F	E	T	V	S	P	T	K	A	G	D	T	V	T	E	A	K	V	W	M	G	E	Q	D	S	Q	L	P	I	L	L	G	V	S	N	E	D	I	Y	M	T	T	V	V	P	K	Q				
UniRef90_G2J367	F	D	T	P	K	L	Y	A	A	S	K	P	V	S	E	I	P	V	Y	K	G	E	D	A	K	K	L	P	I	L	G	F	A	S	D	N	L	Y	T	T	V	V	P	K	Q						
UniRef90_A1WV56	F	E	T	H	R	L	Y	S	A	G	E	Q	L	T	E	A	R	A	W	M	G	E	Q	D	S	Q	L	P	I	L	L	G	V	P	A	T	D	D	L	S	T	S	T	T	V	V	P	K	Q		
UniRef90_A0A031MD67	F	E	T	K	S	F	Y	Q	P	G	Q	V	V	A	P	A	R	V	W	A	G	E	Q	D	S	Q	V	D	A	D	A	E	N	L	Y	V	T	T	V	V	P	K	Q								
UniRef90_UPI000395D47C	F	D	T	V	K	L	F	D	G	Q	A	V	A	T	P	K	A	W	K	G	A	Q	D	T	V	K	I	G	S	V	A	P	I	V	V	N	V	P	A	V	V	P	K	Q							
UniRef90_K1ZG90	Y	E	T	H	K	L	Y	N	G	A	T	S	L	T	E	A	R	I	W	F	G	E	K	K	R	V	A	S	F	G	L	A	K	D	L	F	Y	A	T	T	V	V	P	K	Q						
UniRef90_UPI00029A1D8F	F	Q	S	V	K	L	Y	N	G	A	T	S	L	T	T	A	R	I	W	F	G	D	R	S	R	V	A	S	V	G	V	A	R	K	G	L	Y	A	T	T	V	V	P	K	Q						
UniRef90_D4E5Z2	F	D	S	V	R	V	F	K	A	G	Q	P	L	G	N	E	A	V	W	Y	G	D	R	S	R	V	A	V	G	V	A	R	Q	D	R	Y	L	T	L	T	V	V	P	K	Q						
UniRef90_UPI00039CB9FD	F	E	T	K	S	F	Y	A	P	G	Q	V	L	S	T	S	R	V	W	A	G	V	S	D	Q	I	P	F	G	L	E	N	D	L	F	I	T	T	V	V	P	K	Q								
UniRef90_K2BYR4	Y	E	T	H	K	L	Y	N	S	G	V	A	L	T	Q	A	R	V	W	K	G	E	K	Q	I	P	F	G	L	E	N	D	L	F	I	T	T	V	V	P	K	Q									
UniRef90_Q7N6H7	Y	E	T	V	T	P	I	K	A	S	E	P	F	V	S	Q	K	V	W	Y	G	G	R	S	D	V	A	L	G	V	E	K	D	A	A	I	T	T	V	V	P	K	Q								
UniRef90_P44466	F	E	T	F	K	T	L	E	A	G	K	E	I	S	E	A	R	I	Y	Y	G	D	K	N	S	T	K	L	L	G	A	L	M	D	H	F	I	T	T	V	V	P	K	Q							
UniRef90_UPI0003692C1F	F	E	T	H	A	M	Y	E	G	Q	R	L	N	D	A	R	I	W	E	G	K	L	D	T	I	R	L	G	L	E	K	P	V	Y	V	T	T	V	V	P	K	Q									
UniRef90_C4LCC2	Y	Q	N	T	Q	P	Y	K	Q	G	A	E	L	A	T	Q	R	I	W	M	G	D	K	S	E	A	L	R	L	L	G	T	D	R	D	I	N	L	L	A	P	R	R	R	R	R					
UniRef90_UPI00036D9757	F	D	T	K	R	L	F	D	G	Q	A	V	V	E	P	P	V	W	K	G	E	K	A	P	T	E	R	L	L	G	A	A	A	L	F	Y	A	T	T	V	V	P	K	Q							
UniRef90_Q60CK1	F	E	T	K	P	V	H	K	G	G	E	L	A	K	A	R	I	W	K	G	E	Q	D	T	E	V	P	L	V	G	V	D	E	D	L	Y	A	T	T	V	V	P	K	Q							
UniRef90_UPI0003FBF906	F	E	D	V	K	L	F	D	A	G	Q	P	V	A	A	P	R	L	W	K	G	T	Q	D	T	L	K	V	V	G	R	T	R	P	I	V	V	S	V	A	K	K	K	K	K						
UniRef90_Q7NTG2	F	E	T	P	K	L	Y	A	A	N	T	R	V	S	D	V	A	R	Y	K	G	S	E	K	L	P	V	P	V	G	F	G	S	E	D	V	F	A	T	T	V	V	P	K	Q						
UniRef90_U7GCN4	Y	E	T	E	R	L	Y	F	A	R	A	Q	E	L	V	Q	A	K	V	W	G	Q	A	I	Q	V	S	V	V	G	M	P	E	S	D	V	Y	V	T	T	V	V	P	K	Q						
UniRef90_W0BF11	Y	E	T	H	T	L	Y	Q	G	G	K	S	I	A	E	L	P	L	Y	K	G	K	T	D	K	V	T	V	L	G	V	L	K	D	Q	F	V	T	T	V	V	P	K	Q							
UniRef90_C4K4B9	F	E	T	V	E	P	L	K	A	G	E	V	E	A	S	R	P	V	W	F	G	D	V	N	T	A	Q	D	I	L	G	V	D	K	N	D	V	Y	I	T	T	V	V	P	K	Q					
UniRef90_D3A706	F	D	T	P</																																															

UniRef90_F9ZGB6 G Q A D K L K A T 50 M E Y K E P L L J A 60 Q L G Q E V G T V K F T L D D K T V E K
UniRef90_UPI0003688821 G K R D D Q M T A Q R V N Q E P S I L K A P I I A E Q N G Q Q A G T T K Q L V S M S L L G D D D K R V V L T A
UniRef90_J2L8K7 G T A D S E I T K P R V A N R Y T D Q P P L L L J A P I I Q S E N G A K V V G T T L K L V L S M S L L G D D D K R V V L T A
UniRef90_M5ITS0 G S S S S E L T K Q P R V A N R Y T D Q P P L L L J A P I I Q S E N G A K V V G T T L K L V L S M S L L G D D D K R V V L T A
UniRef90_M5DV47 G S K G E L L Q V E M S T N N D Y T P P E L L R A P L L A A K G G A Q Q V V G T G T L T T L R Q L M E N D D G D K V V L V A
UniRef90_A6BSU5 G G E L R D V K K A S Y T L N N H D P P E Y L L R A P L L A A K G G A Q Q V V G T G T L T T L R Q L M E N D D G D K V V L V A
UniRef90_D4F2S3 E S A D K K I E V V T L E S R R Q Q P P E Y L L R A P L L A A K G G A Q Q V V G T G T L T T L R Q L M E N D D G D K V V L V A
UniRef90_N6XJY3 E S A A Q K K I E V V T L E S R R Q Q P P E Y L L R A P L L A A K G G A Q Q V V G T G T L T T L R Q L M E N D D G D K V V L V A
UniRef90_N6Y0M6 E T S A Q K K I E V V T L E S R R Q Q P P E Y L L R A P L L A A K G G A Q Q V V G T G T L T T L R Q L M E N D D G D K V V L V A
UniRef90_UPI0003B58E0E G S K G S L E S V M D I D S V I Q A P V V Q A G G Q Q E L G G Q L V L V M L N L N G G E V E I I V
UniRef90_N6W983 G Q Y K N L K L E S S I P T P E I I Q A P V V A E Q Q Q P L G G Q F F I R I E L L A L L G G E D T T I E A
UniRef90_Q31F46 K Q Y K K L N A Q L R D V I P T P E I I T A P V V A E Q Q Q P L G G Q F F I R I E L L A L L G G E D T T I E A
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UniRef90_U5T5H1 G T G K N L T A T L A I L D N K P L L L E A P L A E K G Q Q T I V G T T V V K Q F V A D G G K T V V A
UniRef90_UPI000475FC7B G V G K K L K Q V V T L N D K P L L L J A P L A A E G G Q Q V V G T T V V K Q F V A D G G K T V V A
UniRef90_F2LE65 G K A K D L Q A N F E L L T K Q P L L L J A P L A A E G G Q Q V V G T T V V K Q F V A D G G K T V V A
UniRef90_Q12QY7 G L A D K V K P E V A L L N D A Q P L L L J A P L A A E G G Q Q V V G T T V V K Q F V A D G G K T V V A
UniRef90_A1V022 G L A D K V K P E V A L L N D A Q P L L L J A P L A A E G G Q Q V V G T T V V K Q F V A D G G K T V V A
UniRef90_UPI000378ED2E G Q R R N K K A D V S L L N D A Q Q P L L L J A P L A A E G G Q Q V V G T T V V K Q F V A D G G K T V V A
UniRef90_Q2SA35 G K K D A L E A T V D I D S K V I K A P I I E V G A E L G G K I T V V K L L N L N G G E L L I L
UniRef90_UPI0004752AF0 S E A Q N I K A K A Y V L S G S K E L D A P I I N A Q G Q V I G E V L Q V M D M G E K E Q I I G T
UniRef90_D3RQT6 G S Y E N V T R I E A A A D I T A P I I G Q G G E R V G D V I V V S L N L N G G E E E L L Q
UniRef90_H8Z6U6 G Q A D S P A E L L D L S A S K V I L E A P I I S A G Q Q V L G G K L V I R I M L G D D G G E V L L R
UniRef90_F2JY10 G S Y D R L P A E L L S L L G S A P V I L E A P I I S A G Q Q R A Y G E L V I R I M L G D D G G E V L L R
UniRef90_H1G1E8 G Q A P Q V S T T T V S Q T I I J A P I A Q K D Q P F G E I V V V K L L G D D G G E V L L R
UniRef90_W6M1V5 G Q A P Q V S T T T V S Q T I I J A P I A Q K D Q P F G E I V V V K L L G D D G G E V L L R
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UniRef90_U0FZQ1 G N A A K L T A E V E F D R E L V A P I I T T E G K V V Y G E I V V V K L L G D D G G E V L L R
UniRef90_G2J367 G Q S A Q L K A D L T T S Q P V I A P I I K A G G Q V V G K L L V V S L L D G G K K V L
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UniRef90_A0A031MD67 G L A D K L E A G V T M N P V I K A P I I A A G D V L G Q V V K E I E K L A G G E V V H
UniRef90_UPI000395D47C G T G G K L E T Q V V S Q E P P L L J A P F T K G Q Q K L G T L K V V M A G G N Q V A T
UniRef90_K1ZG90 G R Y K N I Q A T I Q L N Q P L L K A P I I K K G E K V G E V V R V S D N G K L L A
UniRef90_UPI00029A1D8F G R N S G M K N K L T F T P N L L K A P I I K K G E K V G E V V R V S D N G K L L A
UniRef90_D4E5Z2 G E A S K L K A Q Y V L N V P R I L E A P I I P Q G G Q T V G E V V R V S D N G K L L A
UniRef90_UPI00039CB9FD G Q A E K L D A S I T L N E A P I I K A P I I A A G R I Y G T V E V R T L N G D G Q V I A
UniRef90_K2BYR4 G Q Y K N I Q A N L H L N E P I K A P I I A A G R I Y G T V E V R T L N G D G Q V I A
UniRef90_Q7N6H7 G Q L K N L K A S Y T L N N Q T P L L T A P L L T K N Q Q V V G V I N F Q L L G D G K V I E A
UniRef90_P44466 G K Q S E V L K A R Y E L A D Q N N V Q A P L V E K G Q Q E L G K Q L T I Q F L D G G K Q I A
UniRef90_UPI0003692C1F G Q Y Q N L Q A R I E T R I L N Q N V L V A P V E K G Q Q E L G K Q L T I Q F L D G G K Q I A
UniRef90_C4LCC2 G S A A K M K A D F Q L T R D L H A P I I Q K G G E T V G T I F L R I D G G K D V A T
UniRef90_UPI00036D9757 G Q G D K T T K A M E R I D P L V A P I I Q K G G E T V G T I F L R I D G G K D V A T
UniRef90_Q60CK1 G Q F Q N L T T A M E V D A D A M A V R K G Q D R L G S R I K V L F N N E T I I
UniRef90_UPI0003FBF906 G K A D R L T T Q V V R P D P L L J A P Y A K G Q Q E V G L L Q V M L G E E K V T
UniRef90_Q7NTG2 G Q A A K L E S T M T T M Q P L L J A P I I K A G Q Q V V G K L T V S L L D G G K P L
UniRef90_U7GCN4 G S R N Q L E S T V D L D S V I K A P I I N V G D E L G R V L R V I L D G G E T L V
UniRef90_W0BF1 G Q Y Q R L S V N T R I P K H L Q A P I I N K G D Q V G E L L V Q F D N K I I I
UniRef90_C4K4B9 D Q G K H K L S F V L N Q S E L R A P I I K K N Q Q V V G S H F E L N G G K I I I E A
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UniRef90_UPI00046EC218 G S R D S I Q A E M V I D P V I E A P V S S G Q Q P L G N V E I L Q E G G K L L K
UniRef90_E8XQB4 A D A D S I K A Q Y V L T R P Q I D A P I I K K G Q Q E L G S N I V V G S E G N I L K
UniRef90_A6VZ77 Q Q G E S I P A T L D M H K E I M A P I I A V G D V L G K I V V G S E G N I L K
UniRef90_G4QH05 G Q A S K L K A H F E L S Q S L E A P V E K G Q Q V V G Q L F L Q L E G G E N V A
UniRef90_J2LT23 A T A D K V K T K L N R N G P L L J A P I I S E N A K I G T L Q Q V M L G R D K T V T
UniRef90_R9VMD6 A E L Q N V K A K Y V L D S K E L D A P L A A H Q R V G E I Q Q L Y D R D K T V T
UniRef90_K2BNQ6 G Q Y K R L E A R L Q L N N P L K A P I I V K G Q Q R Y G S I N I M L N N Q V I A
UniRef90_F5S5X5 N Q Q T N I K S F I D T N P V L J A P I I K K G Q Q V L G T F R L M H G G S T V L A S
UniRef90_B2UE06 G A G A R L K P V L E R K D P L L J A P I I A Q G Q Q L G T V K V M D G G S T V L A S
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UniRef90_UPI0004753A72 G E I S K L T A N I E L D Q E L T A P I I R K S D V L G S V S Y L V D G G Q V A
UniRef90_UPI00036542DD K G P E V K P I A R Y T G E P L L J A P I I A K G S E V G T V S L S L D G G K V L R
UniRef90_Q5X554 G Q Y E R L N S T K I S N D L Q A P I I K K G D K V G D I V I V Q F D N N N I V S
UniRef90_F7P0E3 N Q R K D L K A D F K L N Q E L J A P I I S K G Q Q V L G T V L K L K L E D D K D I A
UniRef90_Q21FD7 G A H K S V K A V T R V D S I I E A P V A P Q Q L G S L L K L E D D K V L A
UniRef90_E8LHJ6 G S S S N I K S Y R L N K A V F T A P I I A K G D N L G I I E F K L N D D K T L S
UniRef90_W1X81 G Q Q N N L K A S F T L N Q T L L E A P I I V K N S K V V G T N F M L N D D K T V D
UniRef90_UPI0004732771 G T A D K L K P V L E R R D P L L J A P I I N Q N S K V V G T L K M M V L D G K V V T
UniRef90_W8X0U0 G R A E D I K T E A R Y T Q Q P L L M A P L T E G A Q A G T L V I T L D G G K E L D
UniRef90_UPI000380D168 G D Y A K V K A S M T S Q P L L J A P I I K V G Q Q V I G K T T F T L D G G K I N G
UniRef90_H0IZ03 N R N E E L R A R L N L K Q D L Q A P V A V G D E V G T L E V Y L G D G K D M V G
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UniRef90_Q1YSQ8 Y D T K T I Y S A G A L V G T A K V W Y G E E G S F N L G T L A E N V T L T L P R
UniRef90_UPI0003B47908 Y E T A S L F G P A A V G T I K V Y K G A A S E V L Q V G T L E P V R L T L F P R
UniRef90_UPI00045EA7A2 F E S P R L L Y E G K K T L S D A R V W K G A A S T V A L G L A E S L H A T V P R K
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UniRef90_F7VB52 G W R N S T H V S L D Y Q G P L A A P L K Q G Q P A G Q L T V L P G G R Q A
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UniRef90_H6Q5E0 G K D K D L V E Y T L D S S V L K A P L K K Y Q K V G S I F K L N N S I I T
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UniRef90_C6CU53 G A A T Q D I R Y E L Q I D Q P L K A P V A I G Q S I G K L V V Y Q G D Q V V K
UniRef90_UPI00034D53AC G V I G K I K P I V Q L D A P L L A P I A K D G Q A V G V V K V M A D D Q E I A
UniRef90_X7EGG1 L T G A P L E A E V V Y T G P L E A P I A K G Q A V A E L I V R P E G L P E H
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UniRef90_B2VFM4	S	Y	P	L	V	A	L	Q	P	V	G	E	A	G	L
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UniRef90_UPI00047720A4	S	Y	P	L	Q	V	L	A	P	V	R	Q	A	G	F
UniRef90_F3KYG8	E	G	P	V	V	A	L	H	D	V	E	E	E	A	G
UniRef90_G2DT13	E	K	E	V	T	A	L	N	A	V	E	E	E	A	G
UniRef90_F5RG26	E	Y	P	L	V	A	K	V	J	A	V	E	E	G	G
UniRef90_W5YR77	D	Q	P	V	L	A	L	S	D	I	P	E	E	G	G
UniRef90_UPI0003766982	E	A	P	L	V	A	Q	A	E	V	E	R	A	G	L
UniRef90_R8ARV5	S	E	K	L	Y	T	L	S	A	V	K	E	A	G	L
UniRef90_UPI0004754481	T	Q	P	L	V	A	L	Q	A	V	E	S	G	G	F
UniRef90_D3SBW1	Q	Q	P	V	V	A	L	E	E	V	E	E	G	G	L
UniRef90_UPI00039A592A	D	Y	P	L	V	A	L	Q	D	V	G	V	A	G	L
UniRef90_A0A011PHG1	D	Y	P	V	L	A	L	E	E	V	P	A	E	G	L
UniRef90_W1B557	H	W	P	L	V	T	L	E	S	V	G	E	G	S	M
UniRef90_F9TDA7	S	A	T	L	V	A	Q	Q	D	I	E	E	G	G	L
UniRef90_R4YK38	E	R	S	L	V	V	L	N	D	V	T	E	A	G	F
UniRef90_W1SKU7	E	S	P	L	V	A	K	K	E	V	K	E	A	G	W
UniRef90_G2RIX6	S	S	P	L	L	A	K	E	D	I	D	A	A	S	W
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UniRef90_A0YF23	R	E	P	L	F	A	L	E	S	I	E	Q	G	G	L
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UniRef90_A2SC14	E	L	P	L	T	V	L	E	N	V	D	S	A	G	L
UniRef90_W9UJZJ0	S	A	P	L	V	A	L	E	A	A	E	Q	G	G	L
UniRef90_U2EIV7	Q	V	P	L	F	A	G	K	D	I	T	E	R	A	G
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UniRef90_G6EZ34	Q	V	P	V	V	A	G	E	S	V	P	K	S	G	M
UniRef90_Q1N084	D	K	P	L	I	A	L	E	N	I	E	E	A	G	F
UniRef90_H5TAD0	T	Y	P	L	V	T	L	E	E	I	Q	E	E	G	T
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UniRef90_D3NVM4	E	V	P	V	V	A	A	Q	D	V	P	K	A	G	F
UniRef90_Q1QD12	S	V	P	V	I	A	T	S	D	I	E	E	S	G	F
UniRef90_A1VIP4	E	V	P	L	V	A	L	E	T	V	E	E	A	G	L
UniRef90_G8SP94	Q	V	P	V	F	A	A	Q	S	V	A	Q	G	S	L
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UniRef90_A8PKX3	S	A	P	L	I	A	L	E	N	L	S	K	G	G	F
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UniRef90_F4GPU2	E	E	P	L	Y	V	L	A	D	V	P	Q	A	G	F
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UniRef90_Q1YLP9	Q	V	P	L	V	A	E	T	A	V	E	E	A	G	L
UniRef90_A4ENF2	R	I	P	L	V	A	E	A	D	V	A	R	A	G	F
UniRef90_V4JYZ5	R	E	P	A	V	A	L	A	D	V	G	R	G	G	L
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A N R D R L K A H V V Y S G D E V L V A P L E A A G Q H V G T L R I W L G D A L V Y Q
S D V D D R I E Y R L T R F A P D E V E A P L E A A G Q H V G T M T L Y Y E G D E D L V Y G
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G E K D Q Y K P K L V L D K N E L T A P V K K G E K V G Y L T Y E Y E G E D Y A
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UniRef90_L5N7X1 F S R Q E L F P A G E E E S T A K V E K G K E K D V K I I P E N D V Y V F S K K
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UniRef90_F4LRQ0 F E R K N I L S E N T L I T E E K V V K Y G D S S I T L L A P A S A V Y A Y L P K
UniRef90_R6MTV6 F S V T Q L K A P E D L P K T I K V E N G M Q G N I G I G C D V N A S I V L D K
UniRef90_E0TIF3 Y S T V T F F T D G D R V G E A E V L G G L S E T V P I E V S T A R I R M T R H V
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UniRef90_R5STS7 Y S L E K M L T T S S D L G K A K V Y Q G E N E Y V T L Q P L K D V S I L N K
UniRef90_R6ITC1 Y S T V T P E I D P S L I G T D V A I V G G V G D S I H P S L P K A A S V L V K K
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UniRef90_R9JDT2 Y E G K K L I S K D E D V D K I F M D E Q T D K Y F M A K A K N D L T V I L P K
UniRef90_U2PT52 F E G K K L F A K D D E I D K V Y L G K A K D D R Y F A K A K N D L Y I A M L K
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UniRef90_R4KFD2 F E D V T L Y Q K G Q R F T V I P D A K K S S Y L T V T V N S T L I K T I P K
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Y D S F T I M D K A D Y V D T K R K W F S T Q K K L M Y Q P K E S Y S V V L P K
Y S V A N I I K K D T K M S V L K I K N G Q T N K V D V I T E K E T J E A V L P N
E P V E V A T R G D Q I M T R L V R E G V I V P A P D V I V P A P E D T V R L Y I P N
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F K Q E I I F K K D D L I E K Y V I D K M D N T I D V K C K Q E D T A F T K A K
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D R E N D I K L E W T L D S G T L T A P V V Q A G Q E V G M L R V T Y M G E F I G G
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G D R A K I K V K I K R D W L A K A P V V K A G G D K V G V A K V Y V D G R Y T S
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Y E K K T I L K K G Q T V D K V S V R D G K V K T V K T I A A K D L T L I R P I
Y F V K L Y L D K G Q E V A Q Y D V T K N L T V P L L I N K T L E Y P V L K
F D N Y K L L E P E D V V K E I N V A D A T K D T L K V S P E N A I T A I I D K
F E N K D V E K D N P I E K V N L N K K G D K F F L A K S S G N L N L I V E K
Y E Q K D I T N Y D Y K P N A V P L E N G A G K D R L L K T K M Q L Q L T I R Q
F E T K Q V V A P K T T V E G T E T K K A K N I D V P V V T D Q G V S F V V P K
N S K L T V K V K N G V D K S I T P K C E L N K K L L V P K
F A L Q T I V K Q G E S Y S K S P V Y D G K Q D T V T A V A K E D I K I V Q R L
L Y P K G T K L K T Y T M E N G K P S S V N L V T L K D L V V F E K
D D L P S L P V Q D G K K N S E L D L V A G K D F S A V V P N
F E V K E V Q P A G A T V D K V Q V K K G K E A K L V T D R A L T F V V P K
Y H M E E A V K A G Q S L C S L P V S G S L V P F V S L K A E E T L R W P V
Y Q M K D V Y E E Q R F S P V P V T G G L T D H V S L T G R E L K L L L
F N M K K V I D K D S F I S G K K Y I K G M K E L E V T L K A K D E L Y T I L K D
Y E A A P L P K L E A Q P L Q I T V K G S A A G S V P L Y S A L P E T V L V E K
F K S I I Y K K S D I K G Q K K V T F A K P G T I K Y S L A N D Y V V T T S Q
Y E L T T L I H K G E S Y S K L K V T D G K A Y V T A V A Q K D F S V R N K
F R K E E L F K Q N Q E I T G K V M V D K V N K K W I D G Y I K S S F Y V L K N Q
Y S C E K V L D T N R S V E S V E V S A K Q G Y I D L Y P A E D L T I S K
T Q E L P F L L K E

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

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

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

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

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

90

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UniRef90_R5XUB7      S L P L A A C E D V I E
UniRef90_UPI00046506EA E K P I V S G E S I Q K K N L
UniRef90_R7LPN4      S S D L I A S H S V E I S N F
UniRef90_U2L0M3      A I P L V A D R S I G K A N
UniRef90_Q6PYD4
UniRef90_R4KBR7      T L A L V S S A D
UniRef90_R7H2I6      E T N L V A T H A V I E A M S Y
UniRef90_UPI0003A9AA2B Q L E M V A K D S I E R A S F
UniRef90_C9N157      T V D I V A Q N D Y K Q L S L
UniRef90_D4K8W3      Q V D L V T
UniRef90_K0A8W5      Q T V L Y S A E K I E L A S F
UniRef90_UPI0003651F6C S E D L F A Q K D I G E K N
UniRef90_R9JDS4      E Y T I I T D D D V E Q M D F
UniRef90_R7C9Q2      K T E V F P S E S I E K S C F
UniRef90_UPI0004067FC9 Q I T D M V I P T T L K T A P W
UniRef90_R6SYL2      V I T L V T A N G T D K N F F
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UniRef90_F3B9W4      E Y E V V T E N G V I E E M T W
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UniRef90_UPI0004167E22 T V D I V A Q N D Y K Q L S L
UniRef90_X0STK2      E V P V A V D T G I E K A G W
UniRef90_Q8RA97      E V N C L S F Q E V D R Q D F
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UniRef90_R7D990      R I P V I Y S E S I
UniRef90_UPI0003069DD8 S L Q F T A E E N I E K
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UniRef90_R7RRW2      S I D L L A T Q D
UniRef90_S2YRF9      T V P V R T T E K I D K
UniRef90_UPI00047DEB1E Q V P M L S E Q
UniRef90_R5EC64      K V P V V Y G A T I E Q
UniRef90_D4LSU4      R I P V L Y A E S V A R L C F
UniRef90_V7I409      T L K L V A A S D
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UniRef90_F4FS99      K L V M V T N Q S V K K A N F
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UniRef90_D9R8U9      S Y T V
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UniRef90_R6YFR8      S Y P V Y P A A S V G K V T F
UniRef90_A0A011VY99  R R D I T A A E N I
UniRef90_R5UBC3      R L P V V T Q R S V G K I D F
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UniRef90_R7HAD3      S T P V Y A
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UniRef90_A0A037ZDZ9  T L N L S S D S D
UniRef90_W6N4J5      K V D V C T D R D V K S P G I
UniRef90_Q3AAQ3      R A P L K S L E D C L K A
UniRef90_N1ZQF0      E T D I Y A E K E I E K G T I
UniRef90_R6HVA9      Q T D L V T V T G V I E R N A F
UniRef90_R5E320      S L P I T A A N T I K E K N Y
UniRef90_R5W5G9      K K D V F P Q K S L E K S S I
UniRef90_R6R769      E Y E V R A A V D A A K L T L
UniRef90_F9VBG4      H F P L T A K T D V I E R A N
UniRef90_E8ZSF2      K V K I T S D R N I R K S G I
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UniRef90_B1BDQ0      E V N L A S G K D
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