

QUERY 1 10 20 30 40  
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UniRef90\_F6BDY6 MK K K I E A I I R P S K L L D A D V K N A L L L K A G G C K K G L T V T T E E V V K G G R G G E R Y  
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QUERY R G S E Y T V F L P Q K L K I E I V V 60 D A Q V D T V I D K I V A A A R T G E N  
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UniRef90\_C9R9I9 G G W T E E Y S I N L F L P P K L K I E E I V I P D D H Q K V V N E D V V K E A V M K A A A R T G G K I  
UniRef90\_G0A1T3 G G H T E E Y V V D F L P P K A K I E E I V A A D S L Q V V E Q A V E S I L V R V A A N T G G K I  
UniRef90\_J6UCZ4 G G H T E E Y A V S F L P P K L K I E E I A V P D S S E M V E K V V E A I S V S T A A R T G G K I  
UniRef90\_C1DVJ2 G G H T E E Y T I D F L P P K L K I E E V V V P D D E M V E K V V E A I S V S T A A R T G G K I  
UniRef90\_G2TEY3 G G Q T E E Y V V N F L P P K L K I E E L A V P D D N L L D D Q V V E A I Q S T A A Q T G G K I  
UniRef90\_C0AYM6 G G H A E E Y E V N F L P P K L K I E E L A I C D D E L L E S V M Q V I M Q S A A K T D T G G Q V  
UniRef90\_K8WB99 G G H S E E Y T V D F L P P K V R M E I A V P D E F V E Q V V E A I M Q S A A K T G G K I  
UniRef90\_Q3A5T6 G G H T E E Y Q I D F L P P K I K I V E E L V I A A D E R Q V V N E Q V V N E V R N A A A Q T G T I  
UniRef90\_X5MN31 G G H T E E Y A V S F L P P K L K I E E I V V S K D D D Q M A E K V I E T I A S N A A R T G G K I  
UniRef90\_UPI0003B6FA34 G G H T E E Y V V D F L P P K L K I E E I V V S K D D D Q M A E K V I E T I A S N A A R T G G K I  
UniRef90\_UPI00036F7E4D G G H T E E Y V V D F L P P K A K I E E I V V S K D D D Q M A E K V I E T I A S N A A R T G G K I  
UniRef90\_D5XCE6 G G K K E E Y T I D L L P P K L K I E E I V V S K D D D Q M A E K V I E T I A S N A A R T G G K I  
UniRef90\_I3TQD8 G G Q T E E Y E V N F L P P K L K I E E I A I R D D K W V D E V I R A L V N T A A R T G G K I  
UniRef90\_UPI00047BF49B G G H T E E Y E V D F L P P K L K I D L V I S D E E M L D D S V V Q E A I T Q A A A H T G G K I  
UniRef90\_L0WGX1 G G H T E E Y V V D F L P P K L K I E E L A V R E S A L L D D Q A I E A I L Q E A A A T G G K I  
UniRef90\_S7TXK1 G G H K E E Y V V D F L P P K I K I E E L V V R E S A W V E E K I Q L K E A A Y T G G K I  
UniRef90\_UPI00036BB470 G G H S E E Y A I D F L P P K I K I E E T I V D D A Q L D E V L E E T I A S A A A R T G G K I  
UniRef90\_Q9EZQ4 G G H A E E Y V V D F L P P K V K I E E T V V A D E R L D E A T V D A I Q A A A A H T G G K I  
UniRef90\_L1NJP6 G G H T E E Y A V D F L P P K V K I E E L V L R D E Q Q V D Q V V D V I E T A R S G G K I  
UniRef90\_H8L2Q3 G G H T E E Y V V D F L P P K L K I E E I A A T D E E Q A E R A I E A I S T A A A R T G G K I  
UniRef90\_UPI00046D0205 G G H K E E Y V V D F L P P K I R L D I A V A D A E N V P R V I D A I T R A A A R T G G K I  
UniRef90\_D1AZ04 G G H S E E Y V V D F L P P K I R L D I V I V A D A E N V P R V I D A I T R A A A R T G G K I  
UniRef90\_D6E7B2 G G W K E E Y L N M I P K V K F E E L V A A D D Q V Q S L V G L I R A T A A R T G E V  
UniRef90\_UPI000377EBE4 G G H T E E Y Q V D F L P P K V K I E E I A V N D D D Q V E R L V E A I T R E A A Y T G G K I  
UniRef90\_D6Z4E5 G G H T E E Y E V F L P P K V K I E E V I V N A D Q V E A V V E C I T R E A A N S G G K I  
UniRef90\_J7QFL3 G G H A E E Y T V A F L P P K V K I D I A L P E A L V D R A I E A I R L A A Y T G H I  
UniRef90\_C0QG39 G G H T E E Y Q V D F L P P K I H I S L V V D D D A L V E M A V A A I T N S A A T G G K I  
UniRef90\_K5YIS6 G G H T E E Y V V D F L P P K V K I E E L V V C D D A V V E R A V E A I T N A A R T G G R I  
UniRef90\_B0TB86 G G K K E E Y T I D L L P P K V K I E E V V V A D S L V D D L L K V I T D Q V R S G E I  
UniRef90\_UPI0003623DCF G G H T E E Y S V D F L P P K T E V E T T V V P D D G M S D D G V V K A I T T A A R T G S V  
UniRef90\_B8DJ84 G H V E Y E V Q F N S K L K I E E T V V P D D G M S D D G V V K A I T T A A R T G S V  
UniRef90\_F6BDY6 R G R E E Y T I D L L P P K V K I E E I V V D D A N V E K I L D L I C E N A A K T G E F  
UniRef90\_A6GMW5 G G H T E E Y V V D F L P P K V K I E E A A V P D D S L V D Q A C E A I E A N A A R T G G K I  
UniRef90\_T1AGY9 G G H T E E Y V V D F L P P K V K I E E A A V P E A L V E R V I E A I E A N A A R T G G K I  
UniRef90\_G0A9F5 G G H T E E Y V V D F L P P K V K I E E L V I D D A L T E R A V D A I T K A A A R T G G K I  
UniRef90\_A0L6C0 G G H T E E Y R V D F L P P K L K I E E I A V D D S L V D Q A V E A I Q K G A A R T G S K I  
UniRef90\_C8W3D6 G R H E Y S I N L L P P K V R L E I I V V D E L L V D K V I D I K A A A R T G E V  
UniRef90\_B5E7Y9 G G H T E E Y V V D F L P P K V K I E E I A V A D E L V A K A V G T I E E A A R T G R I  
UniRef90\_Q1YS71 G G H T E E Y V V D F L P P K V K I E E I A L A D A E M V D S A V E A I T N R S A A Q T G G K I  
UniRef90\_D8JWZ2 G G H T E E Y A V S F L P P K I K I E E V V V P A A Q Q V D K A I E A I Q R N S A A K T G Q I  
UniRef90\_UPI0003780CBB G G H T E E Y T V D F L P P K I K I E E I V V S D D Q Q V D T G V K T A V T E S A A K T G G K I  
UniRef90\_UPI0003630047 G G H T E E Y V V D F L P P K L R I D V V V T S D D Q A D A C V E A I T A S A A R T G G K I  
UniRef90\_F7QHD6 G G H T E E Y L V N F L P P K L R I E I A V G S D D L A D A Q A E V I T A S A A R T G Q I  
UniRef90\_UPI0003B465C8 G G H K E E Y Q T D F L P P K V E L E I A V E D D E R Q V E A V V E T I V S T A A K T G G K I  
UniRef90\_A0Y9D7 G G H T E E Y V V D F L P P K V K I E E I A I N D D A Q V E A V I E A I S G A A A N S G G K I  
UniRef90\_D9X821 G G H T E E Y Q V D L L V P P K V R I E E V V V E D A D A E A V I E A V S K A A A Q T G G K I  
UniRef90\_UPI0003B7AD20 G G H T E E Y V V D F L P P K L K I E E I V V S D D D M A E E A I S V I T K T A A Q T G G K I  
UniRef90\_A8TRC9 G G H T E E Y N I E F L P P K V R L E E I V V D D D M A E E A I S V I T K T A A Q T G G K I  
UniRef90\_UPI0003B7A0EB G G H T E E Y T I D L L P P K I K I E E V A L T P D Q V D K A V E A I A H A S A A K T G R Q I  
UniRef90\_L0F5P7 G G H T E E Y K V Y L L P P K V K I E E V V V K D E L V E Q L L A I T R Q A A R S G E V  
UniRef90\_D2R353 G G H T E E Y A V D F L P P K V K I E E V V V C S D A N S L A L V I D T I M R S A A R T G Q I  
UniRef90\_K4KR85 G G K T E E Y T I N L L P P K Y K I E E I I V S P D E S S V D D K V I D I T E T A R T G E I  
UniRef90\_C5CYM9 G G H T E E Y V V D F L P P K M K I E E V V V N E G D V V E R C I E A I V N S A A R T G G K I  
UniRef90\_H5WZHO G G H T E E Y A V D F L P A K L K I E E V V V T D D A N V E K V I E A I V S S A H T G G K I  
UniRef90\_K0ZAR2 G W K E E Y Y N F M L P K L K I S V V V T D D A N Q V K E M V E A I C R A A R T G D V  
UniRef90\_UPI0003823577 G G H T E E Y N V D F L P K T E I K T V V P S D Q Q I D E I V D T L V K A A R T D K V  
UniRef90\_S7UWY4 G G H K E E Y A T D F L P A K V K I E E V V V C S E D T H A P Q V V V E A A R K A A A T G Q V  
UniRef90\_C3PH80 G H S E E Y Q V D F L P P K V K I E E V V V T S E D T Q M E D I L E A L V D A A Y T G K I  
UniRef90\_A1HNS1 G Y K E E Y N I N L L P P K I K I E E I V V C E V P V E K V L E T A K Q V C R T G N I  
UniRef90\_A3WJJA G G H T E E Y R V D F L P P K I R L E E L A V S D D Q L D R A V E V I S E A A H T G N I  
UniRef90\_U5N8H8 G G H T E E Y V V D Y L P P K V K I E E L V V A D D E N L D R C I D A I L Q T A R T G K I  
UniRef90\_M1YVC7 G G H T E E Y V V D F L P K I K I E E I I P D N Q L D D V V D A I M K S A A Q T G R I

QUERY	G	D	G	K	I	F	V	S	S	P	90	Q	D	T	I	R	I	R	T	G	E	K	N	A	D	A	L	S	A	W	S				
UniRef90_H6SIU5	G	D	G	K	I	F	V	S	S	P	L	V	E	Q	A	V	R	I	R	T	G	E	T	G	A	L	L	L	L	L	L	L			
UniRef90_F9ZSA4	G	D	G	K	I	F	V	S	S	P	L	V	E	Q	A	V	R	I	R	T	G	E	T	G	A	L	L	L	L	L	L	L			
UniRef90_A4J154	G	D	G	K	I	F	V	T	T	P	L	V	E	Q	V	I	R	I	R	T	G	E	T	G	A	L	L	L	L	L	L	L			
UniRef90_B4D892	G	D	G	K	I	F	V	T	T	P	L	V	E	Q	V	I	R	I	R	T	G	E	T	G	A	L	L	L	L	L	L	L			
UniRef90_UPI0002FBE658	G	D	G	K	I	F	V	T	T	P	L	V	E	Q	A	V	R	I	R	T	G	E	T	G	A	L	L	L	L	L	L	L			
UniRef90_W8WXG3	G	D	G	K	I	F	V	T	T	P	L	V	E	Q	V	I	R	I	R	T	G	E	T	G	A	L	L	L	L	L	L	L			
UniRef90_T1AI37	G	D	G	K	I	F	V	T	T	P	L	V	E	Q	A	V	R	I	R	T	G	E	T	G	A	L	L	L	L	L	L	L			
UniRef90_K0NLJ2	G	D	G	K	I	F	V	I	L	P	L	V	E	Q	V	V	R	I	R	T	G	E	T	G	A	L	L	L	L	L	L	L			
UniRef90_A6Q298	G	D	G	K	I	F	V	S	S	P	L	V	E	Q	V	V	R	I	R	T	G	E	T	G	A	L	L	L	L	L	L	L			
UniRef90_B1KHZ6	G	D	G	K	I	F	V	S	S	P	L	V	E	Q	V	V	R	I	R	T	G	E	T	G	A	L	L	L	L	L	L	L			
UniRef90_I1XFC6	G	D	G	K	I	F	V	Y	P	L	V	E	Q	V	V	R	I	R	T	G	E	T	G	A	L	L	L	L	L	L	L	L			
UniRef90_A0L694	G	D	G	K	I	F	V	S	P	V	L	D	T	A	I	R	I	R	T	G	E	R	D	S	D	A	L	L	L	L	L	L			
UniRef90_UPI0003602301	G	D	G	K	I	F	V	T	T	P	L	V	E	Q	V	I	R	I	R	T	G	E	D	G	P	D	A	L	L	L	L	L			
UniRef90_H2G1T0	G	D	G	K	I	F	V	L	D	V	G	Q	V	I	R	I	R	I	R	T	G	E	Q	N	E	A	L	L	L	L	L	L			
UniRef90_H5T818	G	D	G	K	I	F	V	S	D	V	L	R	T	I	R	I	R	I	R	T	G	E	E	G	A	L	L	L	L	L	L	L			
UniRef90_B6BUQ0	G	D	G	K	I	F	V	S	S	P	V	E	K	A	I	R	I	R	I	R	T	G	E	T	N	D	D	A	L	L	L	L	L		
UniRef90_UPI00035FC922	G	D	G	K	I	F	V	S	S	D	V	T	E	A	V	R	I	R	I	R	T	G	E	T	G	D	G	A	L	L	L	L	L		
UniRef90_W0EA55	G	D	G	K	I	F	V	S	S	P	I	E	E	A	V	R	I	R	I	R	T	G	E	R	G	T	E	A	L	L	L	L	L		
UniRef90_W0E589	G	D	G	K	I	F	V	S	S	D	V	Q	R	V	V	R	I	R	I	R	T	G	E	E	D	E	A	L	L	L	L	L	L		
UniRef90_G4QG39	G	D	G	K	I	F	V	F	N	V	L	E	Q	V	I	R	I	R	I	R	T	G	E	T	D	E	D	A	L	L	L	L	L		
UniRef90_D3SC27	G	D	G	K	I	F	V	S	S	D	M	A	R	V	V	R	I	R	I	R	T	G	E	E	G	S	E	A	L	L	L	L	L		
UniRef90_G6EYM0	G	D	G	K	I	F	V	M	P	V	E	N	A	I	R	I	R	I	R	T	G	E	S	G	T	E	A	L	L	L	L	L	L		
UniRef90_R5PYH6	G	D	G	K	I	F	V	L	P	V	E	D	A	V	R	I	R	I	R	T	G	H	E	R	G	E	D	A	L	L	L	L	L		
UniRef90_I3UCE2	G	D	G	K	I	F	V	T	D	L	V	E	Q	V	I	R	I	R	I	R	T	G	E	T	G	N	A	L	L	L	L	L	L		
UniRef90_UPI000380C587	G	D	G	K	I	F	V	S	S	P	L	V	E	Q	V	L	R	I	R	I	R	T	G	E	T	G	T	E	A	L	L	L	L	L	
UniRef90_Q28S79	G	D	G	K	I	F	V	S	S	D	V	S	E	Q	A	I	R	I	R	I	R	T	G	E	A	G	E	D	A	L	L	L	L	L	
UniRef90_B5JS45	G	D	G	K	I	F	V	S	S	D	V	S	E	R	T	I	R	I	R	I	R	T	G	E	E	D	E	S	A	L	L	L	L	L	
UniRef90_B2IJ15	G	D	G	K	I	F	V	S	S	I	E	D	V	V	R	I	R	I	R	I	R	T	G	E	T	G	L	D	A	L	L	L	L	L	
UniRef90_UPI00037D9791	G	D	G	K	I	F	V	M	P	V	E	Q	A	I	R	I	R	I	R	I	R	T	G	E	E	G	D	S	A	L	L	L	L	L	
UniRef90_C9R9I9	G	D	G	K	I	F	V	S	N	L	E	D	A	V	R	I	R	I	R	I	R	T	G	E	R	G	E	G	E	A	L	L	L	L	L
UniRef90_G0A1T3	G	D	G	K	I	F	V	T	N	L	E	Q	V	V	R	I	R	I	R	I	R	T	G	E	S	G	E	E	A	L	L	L	L	L	
UniRef90_J6UCZ4	G	D	G	K	I	F	V	V	I	G	I	D	D	E	A	V	R	I	R	I	R	T	G	E	T	D	N	A	L	L	L	L	L	L	
UniRef90_C1DVJ2	G	D	G	K	I	F	V	I	P	V	E	E	A	I	R	I	R	I	R	I	R	T	G	E	R	G	P	E	A	L	L	L	L	L	
UniRef90_G2TEY3	G	D	G	K	I	F	V	F	D	L	G	E	A	V	R	I	R	I	R	I	R	T	G	E	R	S	G	E	E	A	L	L	L	L	L
UniRef90_C0AYM6	G	D	G	K	I	F	V	F	E	L	L	E	Q	A	V	R	I	R	I	R	I	R	T	G	E	G	D	E	A	L	L	L	L	L	
UniRef90_K8WB99	G	D	G	K	I	F	V	L	J	A	L	L	E	Q	A	V	R	I	R	I	R	T	G	E	K	Q	D	E	A	L	L	L	L	L	
UniRef90_Q3A5T6	G	D	G	K	I	F	V	Y	D	I	E	Q	T	V	R	I	R	I	R	I	R	T	G	E	T	G	P	E	A	L	L	L	L	L	
UniRef90_X5MN31	G	D	G	K	I	F	V	Y	P	I	E	D	D	Q	V	M	R	I	R	I	R	T	G	E	T	D	G	D	A	L	L	L	L	L	
UniRef90_UPI0003B6FA34	G	D	G	K	I	F	V	V	I	P	V	E	D	I	V	R	I	R	I	R	I	R	T	G	E	K	G	D	A	L	L	L	L	L	
UniRef90_UPI00036F7E4D	G	D	G	K	I	F	V	I	T	D	V	S	R	V	I	R	I	R	I	R	I	R	T	G	E	E	N	E	D	A	L	L	L	L	L
UniRef90_D5XCE6	G	D	G	K	I	F	V	Y	P	I	E	N	A	V	R	I	R	I	R	I	R	T	G	E	S	G	E	E	A	L	L	L	L	L	
UniRef90_I3TQD8	G	D	G	K	I	F	V	F	D	L	E	R	V	V	R	I	R	I	R	I	R	T	G	E	T	D	K	D	A	L	L	L	L	L	
UniRef90_UPI00047BF49B	G	D	G	K	I	F	V	S	S	P	L	V	E	Q	V	I	R	I	R	I	R	T	G	E	M	D	N	D	A	L	L	L	L	L	
UniRef90_L0WGX1	G	D	G	K	I	F	V	S	S	D	L	E	Q	A	I	R	I	R	I	R	I	R	T	G	E	T	G	S	E	A	L	L	L	L	L
UniRef90_S7TXK1	G	D	G	K	I	F	V	L	S	V	E	K	A	I	R	I	R	I	R	I	R	T	G	E	R	G	S	A	L	L	L	L	L	L	
UniRef90_UPI00036BB470	G	D	G	K	I	W	V	S	P	I	D	Q	L	V	R	I	R	I	R	I	R	T	G	E	R	G	S	D	A	L	L	L	L	L	
UniRef90_Q9EZQ4	G	D	G	K	I	M	F	V	T	T	V	D	E	Q	T	I	R	I	R	I	R	T	G	E	S	G	A	D	A	L	L	L	L	L	
UniRef90_L1NJP6	G	D	G	K	I	F	V	I	T	P	V	E	E	A	V	R	I	R	I	R	I	R	T	G	E	R	A	D	S	A	L	L	L	L	L
UniRef90_H8L2Q3	G	D	G	K	I	F	V	I	D	L	E	Q	A	I	R	I	R	I	R	I	R	T	Q	E	I	D	A	D	A	L	L	L	L	L	
UniRef90_UPI00046D0205	G	D	G	K	I	F	V	T	N	L	E	E	V	V	R	I	R	I	R	I	R	T	G	E	S	G	P	E	A	L	L	L	L	L	
UniRef90_D1AZ04	G	D	G	K	I	F	V	S	E	I	R	V	I	R	I	R	I	R	I	R	I	R	T	G	E	Q	N	E	D	A	L	L	L	L	L
UniRef90_D6E7B2	G	D	G	K	I	F	V	F	P	V	E	E	V	V	R	I	R	I	R	I	R	T	G	E	T	G	E	A	A	V	L	L	L	L	L
UniRef90_UPI000377EBE4	G	D	G	K	I	F	V	F	N	L	E	Q	V	V	R	I	R	I	R	I	R	T	G	E	Q	D	S	E	A	L	L	L	L	L	
UniRef90_D6Z4E5	G	D	G	K	I	F	V	L	P	V	E	E	V	I	R	I	R	I	R	I	R	T	G	E	R	G	A	E	A	L	L	L	L	L	
UniRef90_J7QFL3	G	D	G	K	I	F	V	S	P	L	E	R	A	M	R	I	R	I	R	I	R	T	G	E	T	D	S	D	A	L	L	L	L	L	
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UniRef90_B0TB86	G	D	G	K	I	F	V	S	S	P	I	E	N	V	V	R	I	R	I	R	I	R	T	G	E	T	G	D	G	A	L	L	L	L	L
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UniRef90_B8DJ84	G	D	G	K	I	F	V	I	S	S	L	E	E	V	I	R	I	R	I	R	I	R	T	G	E	E	G	T	D	A	L	L	L	L	L
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UniRef90_A6GMW5	G	D	G	K	I	F	V	F	D	L	L	S	V	T	R	I	R	I	R	I	R	T	G	E	T	G	K	D	A	L	L	L	L	L	
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90  
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 G D G K I F V T S I E N V I K I R I R T T G G E T G E Q A L L  
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 G D G K I F I I P V E A A I R I R T T D E A G P E A L L  
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Q D  
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 Q G

UniRef90\_D2Q7Q1 1 MK L I T A I I Q 10 P H K L L D N E V K E A L 20 A A A G V H G L T V 30 E E V A N G Y G R Q R 40

UniRef90\_C4XL38 MK K I E V I T R Q P P Y K L L D N E V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_W0QNM2 MK L I T A I I R Q R P P S E R R L L D N E V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_G2LGH3 MK L I T A I I R Q R P P S E R R L L D N E V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_V4HNV6 K L V M A F V R R P P D E K L L D N E V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_DOMFF0 MK L I R A I I V R R P P E K K L L D N E V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_F8A9E7 MK E I R A I I R R P P E K K L L D N E V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_F2KR74 MK K I E A V V R R P P E R R L L D N E V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_A0JC00 K V E A V I L R R P P W R R L L D N E V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_D9PWN9 MK R I T A I I R R P P E K K L L D N E V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_J4X4E2 MK L I T A I I K R P P E K K L L D N E V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_U1Q9U0 M V M G I V R P P E R R L L D N E V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

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UniRef90\_UP10003B592BF MK K V E I I T R T F K L L D N E V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_A3SM35 MK L I A T I K P P Y K L L D N E V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_U4UY23 MK L I A T I K P P Y K L L D N E V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_W6JTT5 MK L I T A I I K P P H Q L L D N E V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

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UniRef90\_UP10004767125 MK L I T A V V K P P F T L S D D V V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

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UniRef90\_E8UBF5 MK L I T A I I R P P E R V L L D N E V V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_V9VY78 MK M I T A A I K P P F K L L D N E V V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_S0FTR1 MK M V V A I V K P P E A F E D V V K E A L L T S F A A G I G G G M T T V S T E E V A N G Y G R Q R

UniRef90\_D4YMZ2 MK L I T A V V K P P I T K F E A L K E A M N I G I V T G G M T T V S T E E V A N G Y G R Q R

UniRef90\_H2JF35 MT K I E I V T K Q I T K F E A L K E A M N I G I V T G G M T T V S T E E V A N G Y G R Q R

UniRef90\_A0LFS0 MK K I E A I V K P P F K L L D D V V K E K L T A L G I V K G G M T T V S T E E V A N G Y G R Q R

UniRef90\_B2GFN2 MK L V T A V V R P P E K F S D D V V K D A L L A A Y G V Q G G M T T V S T E E V A N G Y G R Q R

UniRef90\_B5EM61 MK Q L S A I I R P P F K L D D I C K D A L L A T I G I R G G M T T V S T E E V A N G Y G R Q R

UniRef90\_R5A6V9 K V E L L C K E S R F E A L L K K A M M D I G I T G G M T T V S T E E V A N G Y G R Q R

UniRef90\_F2I2D0 MK L I E A I I R P P N K V E S Q V V K S S A L L K I G I S G G M T T V S T E E V A N G Y G R Q R

UniRef90\_M5XMG7 K V E A I L R P P W R V S Q V V K S S A L L K I G I S G G M T T V S T E E V A N G Y G R Q R

UniRef90\_I0GTR8 K I E I T R S S K L D D L L R A L L N K I G V L L G L T V S T E E V A N G Y G R Q R

UniRef90\_UP1000364E3BD MK L I T A I I F K P P S R L L D A V V K E A L L S E A G V A G L T V S T E E V A N G Y G R Q R

UniRef90\_R6VAV9 K I S I I C Q Q N K F D E L K E A M N I G I V T G G M T T V S T E E V A N G Y G R Q R

UniRef90\_D1PQI1 M H K V S I I V Q L A K F D A L L K Q A L N R V G V T G G M T T V S T E E V A N G Y G R Q R

UniRef90\_A6UR59 MK K I E A I F R P P E R L L A V V K N T A L Q A Q V G F V S L T V S T E E V A N G Y G R Q R

UniRef90\_W0K279 K M V V G I V R P P D R L L E V V K N T A L Q A Q V G F V S L T V S T E E V A N G Y G R Q R

UniRef90\_UP100037CE204 MK K I E A I I R P P D K L E D L K E A L L A K S G Y S G M T T V S T E E V A N G Y G R Q R

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UniRef90\_UP10003678A4A K I V I I T R R S K L E E D F M H A M N E I G I V T G G M T T V S T E E V A N G Y G R Q R

UniRef90\_W3ANU5 K V V I I A R L S R Y D T L R K A M N D L G V T G G M T T V S T E E V A N G Y G R Q R

UniRef90\_A7I901 MK M I K A M I R P P E K F E D D V K E A A L D T A G F G A G M T T V S T E E V A N G Y G R Q R

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UniRef90\_UP100016C45AD MK L I L A I I R P P S K L D A V V K E A A L N K V E V F R L T V S T E E V A N G Y G R Q R

UniRef90\_A5CXB4 MK F V T A I L R P P S K L D S V V K E A A L N K V E V F R L T V S T E E V A N G Y G R Q R

UniRef90\_G8NT82 MT K V E A I I R P P S Q F D K V Q E A L A Q L G I S E G G M T T V S T E E V A N G Y G R Q R

UniRef90\_F8E6R2 MK L I R G I L L K P P H K L D D V V K N A L M E V G I T G G M T T V S T E E V A N G Y G R Q R

UniRef90\_R5XFQ9 K I E I I T D N Q D K Y T Q L K Q N A L N E I G I M G G L T V S T E E V A N G Y G R Q R

UniRef90\_E6UNL2 MT K V T V I T D N Q D K Y T Q L K Q N A L N E I G I M G G L T V S T E E V A N G Y G R Q R

UniRef90\_R5T7Y3 R V D I I L K Q S K F E E L K N A L N G I G I T G G M T T V S T E E V A N G Y G R Q R

UniRef90\_A0A017HX70 MK L V I A T I K P P F K L L D E E V R E A L L T V V G V R Q G M T T V S T E E V A N G Y G R Q R

UniRef90\_Q7NMS6 MN K I E A I I R P P S R L D A V V E Q A L A A L G V R Q G M T T V S T E E V A N G Y G R Q R

UniRef90\_Q46132 MK K I E A V I R P P S K L E E E V K E A L L A K G N I N G G L T V S T E E V A N G Y G R Q R

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UniRef90\_B1QY06 MK R I E A I I R P P S K L E E E V K E A L L A E N N I N G G L T V S T E E V A N G Y G R Q R

UniRef90\_A3ZQR5 MK K I E A I V R H H K L D E I K D A L V S K G F G G M T T V S T E E V A N G Y G R Q R

UniRef90\_R6J108 E V V M L F N P A K L E R V K D A M N A V G V T G G M T T V S T E E V A N G Y G R Q R

UniRef90\_D3F0Z2 MK L V V A Y I R P P H A F E P V R L E L L G F P S L T V S T E E V A N G Y G R Q R

UniRef90\_A0A023BSA5 MK K I E A I I R K S K F E A V K D A L L H K I G I N F F T Y W D V T G G V G N E K

UniRef90\_D5BQI9 MK Y I V A I I Q P S R L T A V H E A L L V A V G V E G L T S S Y S E V R G G Y G R Q R

UniRef90\_R5FY95 MK K I E A I I R K T K F T A V K E A L L A A D I E W F S Y S D V R R G E G R I Q

UniRef90\_UP100030F9A32 MK K I E S I I R P E K F E V L R D A L A D V G V G G G L T V S T E E V A G T G K Q K

UniRef90\_C6LBD3 K V V I I S K L S R Y T E K V K K A M N E D L G V T G G M T T V S T E E V A G T G K Q K

UniRef90\_UP1000378682D MM K I D A I I R P E K T N Q V K A A L E E I D V T G G M T T V S T E E V A G T G K Q K

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UniRef90\_C8VVC1 MT K V E C I L V R P A K L E S V K E A L N K F G V H G L T V S T E E V A G T G K Q K

UniRef90\_J3JG77 K L V M A V V R P D K L A D V K Q A G L A E I G A P S L T V S T E E V A G T G K Q K

UniRef90\_C4LJC8 K L V T A I V K P P T L T D I K E S L E N V G V R G M T T V S T E E V A G T G K Q K

UniRef90\_UP10003B4D63E MK F V T A I V F K P S K L D A V L D A L L E L G V T G G M T T V S T E E V A G T G K Q K

UniRef90\_R9LN60 V T I I T R P D R F E A L K N E L D T L N I T G G M T T V S T E E V A G T G K Q K

UniRef90\_R6TNB6 MT R V E L L C K M E R F D A L K R A M F D I G I T G G M T T V S T E E V A G T G K Q K

UniRef90\_UP10002E7EE6C MK K I E A I I K P P K L D E V K E A L L S S I G L H S L T V S T E E V A G T G K Q K

UniRef90\_D4MIA0 MT K V D I I A N Q E K F E V L K H A L S S I G I T G G M T T V S T E E V A G T G K Q K

UniRef90\_A9WP35 MK L I T A I I R P P E K F D D V R G A L L E S Y G V Q G G L T V S T E E V A G T G K Q K

UniRef90\_G0VLB7 K V E I I T R P P S K L E E L K E A L L N N I G V M G M T T V S T E E V A G T G K Q K

UniRef90\_I4X4A1 MK K I E T I I R P P S V F A D V R K E A L A L E G I D G G L S V S T E E V A G T G K Q K

UniRef90\_Q1PX04 MK K I E A I I R D Q K L T A V K D A L K A I G I V A G M T T V S T E E V A G T G K Q K

UniRef90\_R5VL39 V V I I T R E N K L N D L K N A L N E I G I S G L T V S T E E V A G T G K Q K

UniRef90\_D7DTI5 MK K I E A I I R V E K L N I V K T A L A D N G F I S L T V S T E E V A G T G K Q K

UniRef90\_R6PK72 M I K I E A I V R E D K F E D V K Q A L Q N I K I N G L T V Y Q V M G G T Q R K

UniRef90\_U5QD50 ME K I E A L I Q P G R L E A S V K S A L V S E L G V S G M T T V S T E E V A G T G K Q K

UniRef90\_UP10003697406 MK M I T A Y I P K R L E A S V R Q V L V S D I L N G G V S V S T E E V A G T G K Q K

UniRef90\_B1I0Z0 MK E I I A V I R P N K M Q A T K D E L A R I I G F P S L T A A K V F G R G G K Q R K

UniRef90\_R7R4V3 MK K L E I I I R P E K L E D L K A I L E E S N V N G L N T A N I M G Y G G N Q K K

UniRef90\_R5TDP7 K I S I V C Q Q S K F E D L K I A M N N I G V S G L T A N Q V L G G G T O K K

UniRef90\_I4D2C2 MT K I E A Y L R P N K L D V V K S A L G K F G I H G M T A L E V I L G G G L Q N

UniRef90\_M0UA88 K I E A I I R P W R V H H S S G L T Q M G I R Q G L T V S D V R G G F G A Q Q K

UniRef90\_J9YXS7 MK L V T A I I K P D K V E A L R Q A L L G V D I R Q G L T I V E A K G Y G R Q K

UniRef90\_R7QYH5 M H K V S I V V K L S K F D T L K K A L N D L G V T G M T V T Q V M G C G L Q K

	50	60	70	80
UniRef90_D2Q7Q1	G H T E Y T V D L F V P	K I V K V R L E V L A	D D A D A E T L V G V I	V K S A G S G T G I V
UniRef90_C4XL38	G H T E Y Q V D F V P	K I V K V R L E V L V	D D A D A E T L V G V I	V K S A G S G T G I V
UniRef90_W0QNM2	G H S E E V E I D F R T E	K V A L V E L V S S E	D N Y Q Q A T V D A V	K D A I Q A A S A Q T S
UniRef90_G2LGH3	G E F I E E Y V D F T E	K V A L V E R I A V S E	P F P A S E R V T I T	A L T L N A A A R T G G
UniRef90_V4HNV6	R G E E Y T V D L H Q K	V K V K V E I V V S D	F P A S E R V T I T	A L T L N A A A R T G G
UniRef90_DOMFF0	R G G T R V K M E L L H Q	K V K V M L D I G V V	S D H F P A S E R V T I	T A L Q A A A A R T G G
UniRef90_F8A9E7	G G R E F K V M E L L H Q	K V K V M L D I G V V	S D H F P A S E R V T I	T A L Q A A A A R T G G
UniRef90_F2KR74	G M K E M E V D L L P K	V K V K V R E V V V S	D E D A V L D E A A I E	A I V S A A A A R T G G
UniRef90_A0JC00	G S R E R Y Q A S Y L K	K V K V K I E E V V V	S S K S D Q D L E K V I	E D T I D N A A A R T G
UniRef90_D9PWN9	G R E Y K C A S Y L K K	V K V K I E E V V V V	S S K S D Q D L E K V I	E D T I D N A A A R T G
UniRef90_J4X4E2	G H T E Y T I D F L P K	I K I K I E E I A I G	D E M V D D Q V V K S A	I T D A A A G T S G K G
UniRef90_U1Q9U0	R G T E E Y A V D L H K	K V K V R L E E V V V	A D D P A A E D D V V V	D A I R S T A A A Q T G
UniRef90_R7XV60	G H T E Y A V D L H K K	I K I R L E E V V V V	A D D P A A E D D V V V	D A I R S T A A A Q T G
UniRef90_UP10003B592BF	G H K E Y Q V D F V S K	V K V K L E E V V V V	Q D D A M V G Q V V V D	V A A K A A K T T G Q
UniRef90_A3SM35	G H T E Y S V N F V P K	I R I E E L A V S E D	A A Q A D E V V V K T	I T A K T A R T T G G
UniRef90_U4UY23	G H S E Y T V D F V P K	I R L E E L V V E E D	M D S S S V V D V I	V K S A A R T G R G
UniRef90_W6JTT5	G H S E Y T V D F V P K	I R L E E L V V E E D	M D S S S V V D V I	V K S A A R T G R G
UniRef90_UP100037EAA91	G L E K F R V D L L P K	T L I S E V V V P D	D E E V D P K V V D	Q A I V Q L N A R S G G
UniRef90_L8LXZ3	G Q K E Y K I D F F A K	V R I E E V V I D D	E L V E V D K V V V	D Q A I V S L Q A A R S
UniRef90_UP10003740194	G H T E I D V D I L L P	K V R F E I V T T D	A Q A D E T V V R T I	C E T A A R T N N N I
UniRef90_G2FY81	G Y T E V T T H L L P	K I K L E E V V T G	D A K V L E E V G I V	K A I V K S A A A R T
UniRef90_UP10004767125	G H T E F T I E F V P	K V K I E E V V I T	G D D K L Q A A V G	N A I T S A A A H T G
UniRef90_G7WA29	G Y T E I V S K L L P K	I K L E E V V I P S	S S G K I D E E V I	D A I I T K S A K T T G
UniRef90_E8UBF5	R G T R V M V E F R D K	V E E K M A V S D	P F V H V A I E A I	S L R S A H T G G E
UniRef90_V9YY78	R G A E Y E V N F V P	K L K L E E L V V P	A D Q A D E V V V K T	I T A K T A R T T G G
UniRef90_S0FTR1	G Y T E T E V N L N K	V K F E I S V N D N	E F V K P T I D A I	M K A A R T G N I
UniRef90_D4YMZ2	G H A E Y A V D F V P	K V R I E E L V V P	Q L S T G A L E A I	V N T A R T T G N I
UniRef90_H2JF35	G S T E Y Y I K L L P K	I R V E I V I C K I	P V I C K I P V I C	K I P V I C K I P V I C
UniRef90_A0LFS0	G H T E Y V D F L P K	I K I E E V A V A D	V Q V V E V V Q A I	R S A A A N T G K G
UniRef90_B2GFN2	G H R E Y T V D L L E	K V R I E E T V V E	D D A A Q D D L A I	V V V S A A A R T G
UniRef90_B5EM61	G H H T Y V S D F I A	R I K I E E A V I S	D E R A Q D D A I A	A V V K E A R T G K
UniRef90_R5A6V9	G K P E Y Y A T L L P	K V Q L D M V V S K	V P V L R T V I E T	A K K V L Y T G H T
UniRef90_F2I2D0	G H K E V Y V S F L P	K S K L E I A V K	D E E L E A V V K A	V I Q Q A A K T D D
UniRef90_M5XMG7	G S E F T E D N F V A	K V K M E I L A V	K S K D Q V L E A V	V D K I I E A A K T G
UniRef90_I0GTR8	G H Q E Y D V N L T P	K I K V E E T V V S	E V P V I D L V L E	T C E R V L R T G K
UniRef90_UP1000364E3BD	G K T E Y E V R L L P	K V K V E E V V A C	A T G D I D R L A E	A I I S A A N T G T
UniRef90_R6VAV9	G I T E L S V M L L P	K V K V E E V V I S	S V P V I D T T I I	D A A T K A L Y T G
UniRef90_D1PQI1	R G A E V D A T L L P	K V K V E E V V I S	K I P V I D T T I I	D A A T K A L Y T G
UniRef90_A6UR59	R G N E Y T V D L L P	K V K I E E M V A D	E K V E E A I D E I	L E A N A K T G G
UniRef90_W0K279	R G E E Y T V D L H Q	K V K V E E C V V A	D I P A E E E V V A	E I R E A A D T G E
UniRef90_UP100037CE204	G F A E H V P T L L S	K V K V E E M I V H	D L S A D E E V V T	D T I I K A V R T G E
UniRef90_R7CDK5	G W K E Y F L N M I P	K V K F E I V V S E	S D R V D Q E K V V	N D T A K I A R T G
UniRef90_UP10003678A4A	G S T E M D M N L L P	K V K I E E I V V S	L V P V V E K V V V	D T A K A I L Q T G
UniRef90_W3ANU5	G A G E V D A T L L P	K V K V E E I V V V	G N I P V V E S V I	E A A K K A L Y T G
UniRef90_A7I901	G I K E Y V V D L L P	K T R E L E I V V P	D E S A E T E V I E	A I R K A A A Y T G
UniRef90_L0R9C9	G H K E Y Q V D F L A	K T K V E I V V A E	A A E R V P E V L V	E A V R E A A L T G
UniRef90_UP100016C45AD	G H T E V Y V N M L R	K V Q L Q I A V N E	D F V E P T V N A I	M D A A R T G R I
UniRef90_A5CXB4	G H T E Y Q I D F L P	K I K L E I A I E A	K K L D E V I E M I	S S V I T N S G K
UniRef90_G8NT82	G H T E Y A I S L I P	K V R I E I V V A T	D E R K L E P V I D	A I L V N A A T G
UniRef90_F8E6R2	G H S E Y K I D F V P	K V Q I D V V V A D	D Q V E V V E K I V	S S A N T G R I
UniRef90_R5XFQ9	G A P K Y Y M E L H P	K I L I D I V V A K	V P V Q A V I D T A	K E V L Y T G N
UniRef90_E6UNL2	G H T E Y K T R L L P	K V Q V D I V V C K	I P V V E T V V V D	T V K K A L Y T G
UniRef90_R5T7Y3	G A A E Y D M T L L P	K V K I E E V V V A	K P V V E E V V S T	A R K V L Y T G H
UniRef90_A0A017HX70	G H T E Y A V A F V P	K V K L E I V V P D	D L V D Q V V T A T	I A R T A R T D K
UniRef90_Q7NMS6	H S V I A A Q F L A K	L K L E I V V P D	E F T E T R I V Q	A A R T G S V
UniRef90_Q46132	G W T E H Y V N F L P	K V E V K V I V D	D S K V Q E V I N L	I I D T V K T G S
UniRef90_UP10003652E87	G H K E Y V V E F L P	K I K I E I V V V D	E M V E T V V K A I	L K S A S T G R I
UniRef90_B1QY06	G W K E Y H T N F L P	K I E V K M V I E	D S K V E E V I E I	S S I J A S T G E
UniRef90_A3ZQR5	G Q T E Y S I D F V P	K I K I E I V A T D	E Q F Q E I V D T I	I T E K A Q S G Q
UniRef90_R6J108	G H E I E E L N L N P	K M K L E M V I S A	V P V D T V I D A	A A R E A L Y T G
UniRef90_D3F0Z2	G I T E Q E Y N L R P	K I K I E C V I S A	D G D T Q T V I D	A T L K H A R T G
UniRef90_A0A023BSA5	R G I T E Y N T S D I	P R I Y L S I V V S	D E V E E K T I H	T L I D S A K T G S
UniRef90_D5BQI9	G K S E Y T V H F L P	K V K I S E L A V	S A E M A D K A V E	A I K S V S A T G
UniRef90_R5F9Y5	R G V M Y D T S C I E	R I L I S I V R	D K N M A D K T I A	A V Q Q A A H T G
UniRef90_UP100030F9A32	G Q T P Y E I K V V P	K I K I S E I V V P	E A K A N E V I D L	I E T C S T E Q I
UniRef90_C6LBD3	R G V E V D A T L L P	K V K L E I V V V S	Q S D V E S V I E S	A K K A L Y T G G
UniRef90_UP1000378682D	G L E K Y R V D L L P	K T L T V V V P	D P S V D K V I D	T L V T A A R T G E
UniRef90_R5BER5	H K E Y T V N L V P	M V K V E T V V C	D I P V D L V M D	T A R D T L Q T G E
UniRef90_C8VVC1	G H T E Y S I N L L P	K I K I E I V I P	D K D V E E I R	I T E A A R T G D
UniRef90_J3JG77	R G E E Y T V D L H Q	K V K I E C I V G	D P A A D D V V V	D A I R E A A Y T G
UniRef90_C4LJC8	G H T E Y A V D F V S	K I K I E V V V S	D D L Y S D V I E	A I T S A S R T G K
UniRef90_UP10003B4D63E	R G T E Y E V R L L P	K V K V E I A C A	E A E A V D K I V S	A L S E T A N T G
UniRef90_R9LN60	G Q T T Y D S K L L P	K M K V E I V V S E	V P V V S D A R	K S E A L Y T G S
UniRef90_R6TNB6	G K T E V E A S M L P	S I Q V S I V V C	K V V S L V V D	T A R K V L Y T G
UniRef90_UP10002E7EE6C	E S T E Y V V D F L P	K V K I E I V V A D	E K L E Q T V N	T I R K A A Q T K
UniRef90_D4MIA0	G H T E F D A R L L P	K M K I E I V V C	K V P V L E K K V V	E V A K N A L Y T
UniRef90_A9WP35	G H T E Y V V D L L P	K I R I E V L A T N	D Q V D D I V V D	V I T S S S N T G R
UniRef90_G0VLB7	G Y V E Y N I N L L P	G I K V E T V V C	E V P V D K V I E	V A E K L C K T G
UniRef90_I4X4A1	G R N A Y T M E F S P	K L K I E I T T D E	N V D K I T K T I	V D A A Q T G S
UniRef90_Q1PX04	G I T E Y S V D L L P	K I K I E I I T T D	E N V D K I T K T I	V D A A Q T G S
UniRef90_R5VL39	G H M E V E V E L L P	K V R V E V V I S E	V P L Q S V I S E	V T K K V L Y T G
UniRef90_D7DTI5	R T S E Y I V D L L P	K I K L E I V A S D	E E K D K L S E I	I K E N A Y T G N
UniRef90_R6PK72	G Y V E Y D I N M L P	K I K F E I V V S D	E E W E K T I S	A I Q K A A Y T G
UniRef90_U5QD50	G S T M Y T A T F V P	D K V K L E E T V V	A S D M T A L V V	D V I V R T A R T G
UniRef90_UP10003697406	G H T E Y V V E F L P	K V K I E I A I T	D E Q V E V I E T I	S T A C K I G K I
UniRef90_B110Z0	G S A Q G G M R W I P	K R M I S L V P	S S G D V P K V V	A A L I R V N Q T G
UniRef90_R7R4V3	G V A E Y R V N L L P	K I K V E T V V S D	E V S E A L I D	K L V K E I N T G
UniRef90_R5TDP7	G I T E L D V I L L P	K M K V E I V V S A	V P V S E D V I E	A A R K A L Y T
UniRef90_I4D2C2	G Y Y E Y D I N L L P	K I K I E V I V A D	N I V D D V V K	L I A D S A R T N
UniRef90_M0UA88	G S T E R H D K F L P	A K V K M E I V V	C K D Q V E A V V	E K I T E A A R T
UniRef90_J9YXS7	G H T E Y E V H F L P	K S R A E I V V D	S A D V E A V V I	T T L S E A V K S
UniRef90_R7QYH5	G A G E Y D A T L L P	K V K V D V I I	G N L S V D A V V	E A K K A L Y T G



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UniRef90\_U1Q9U0  
UniRef90\_R7XV60  
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UniRef90\_D5BQI9  
UniRef90\_R5F9Y5  
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UniRef90\_C8VVC1  
UniRef90\_J3JG77  
UniRef90\_C4LJC8  
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UniRef90\_R9LN60  
UniRef90\_R6TNB6  
UniRef90\_UPI0002E7EE6C  
UniRef90\_D4MIA0  
UniRef90\_A9WP35  
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UniRef90\_R7R4V3  
UniRef90\_R5TDP7  
UniRef90\_I4D2C2  
UniRef90\_M0UA88  
UniRef90\_J9YXS7  
UniRef90\_R7QYH5

G D G K I V W V A P L I D S V T R V R T G G E T G S A A I  
G D G K I F V S T I L D E S V I R R L T R T G G E T G N A A I  
G D G K I F Y V Q A N I E R Q V I R I T R T G G E T D D E A A I  
G D G K I F V V A N L E R R V I R I T R T G G E E N E A A L T P L T  
G D G K I F I L P V L D D A Y Q I R T R T G G E E Q G P E A V T  
G D G K I F V Y D V V E K I Y R I R S G G E E D E A A I T P V T  
G D G K I F V I P V E R V V R I R T G G E E G D S A V  
G D G K I F V S P V S D I I R I R T G G E R G L K A  
G D G K I F I T D V L D V V R I R I R T G G E R G K K A I  
G D G K I F V S T I D E V V R I R T G G E T N E E A I  
G D G K I F I L P V D D D A V Q V R T G G E T G P E A V  
G D G K I V W V S P V E T V V R I R T G G E T G D K D E A I  
G D G K I F V I T P V E E V V R I R T G G E T G D G A I  
G D G K I F A L D L Q Q A M R V V R T G G E D L N D D A I  
G D G K I F V L D V Q T I R I R T G G E T G A D A I  
G D G K I V W V T H V E D V A R V R T G G E R G S D A I  
G D G K I F V M P A E R A I R I R T G G E E G D Q A I  
G D G K I F V S P V D D I I R I R T G G E K G I T A I  
G D G K I V W V I P V E S V T R I R T G G E T D G A A L  
G D G K I F V Q S V D E V V R I R T G G E Q Q G N E A I  
G D G K I V W T N V E H V I R I R T G G E Q D N E A I  
G D G K I F I F D V V D T I R I R T G G E H G D A A L  
G D G K I F V T P I E E V I R I R T G G E R G S A A L T P V  
G D G K I F V L D P I E E Q A V R I R T G G E T N L E A L  
G D G K I V W V T P V I E E C F R I R T G G E E G H D A I G  
G D G K I F V Y D V E E N V V K V R T G G E E G Y D A L Q D  
G D G K I F V I P L E E C I R I R T G G E T G E E A L  
G D G K I V W V T P V E H T V R I S T G G E L G D V A L  
G D G K I F V L N V S E A I R I R T G G E M G D E A C N P  
G D G K I F V Y D V E N V V K V R T G G E E G Y D A L Q D V  
G D G K I F V T D L S K V I R I R T G G E T P S A I  
G D G K I F V V P V D V I R I R T G G E R G E R A  
G D G K I F V S E L K D A V R I R T G G Q R G D D A I R D  
G D G K I F V S G L D S V T R I R T G G E K N E Q A L S G  
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G D G K I F V Y N V A K V V K V R T G G E Q D Y A A L Q D V  
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G D G K I F V L P V S A V Q V R T G G I E G P D A V  
G D G K I F I F P V E E V I R I R T G G E R D G D A I  
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G D G K I F I L P V E E V V R I R T G G E T G L E A I  
G D G K I F I L P L E D C I R I R T G G E R G P E A I  
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G D G K I Y V T D V I D V V R I R T G G E R G A E A I  
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UniRef90\_W2UMN3 G V T H Y G A G L S S R R Y L S I V V R T N A Q L L Q K T V D A I Q K A A Y T G E V  
UniRef90\_W5X5A5 K H T V R D T S Y I S R R Y L S I V V R D V N L Q K T V D A I Q K A A Y T G E V  
UniRef90\_Q8KF33 G I M E P E I K W I P K R M L T I I V Q D D Q V V P A A V D A I M A A N K T G H I  
UniRef90\_I7FZB5 G E A E T C I R F I P K R M F T E L V V S D D E N V S Q E V V D Q K I T E V N Q T G N A  
UniRef90\_Q8TJ91 G T R T E Y T V D L V P K V K I E E L V V S L I P V V V S Q K V I V D T A K S V L H T G Q M  
UniRef90\_R9MSG9 G Y T T Y N V N L L P K V K I E E T V V A D D A A E K I V D R V V K E I L S T G N Y  
UniRef90\_D4J7N6 G R K E Y S T T D I Q R R Y L S I V V S D D F L E K T V V Q K V T E R V K T G N V  
UniRef90\_R4KJ56 G H K E Y S N N L L P K V K V I E E L V V A D K D A D G V V E V I L K A A R T G E I  
UniRef90\_R5KIH9 G F K N P E I N L L P K L Y V M T I V W D E D L E S L L S Q M V E K L S T G S V  
UniRef90\_W6N919 R Y H E F T V L R K R I E L V I A V N E D D F L E P T V N Q A I L I K T A G R S T G K I  
UniRef90\_L0DGX4 G I T Y S T T D I Q R R Y L S I V V S D D F L E K T V V Q K V T E R V K T G N V  
UniRef90\_UPI000255B2D1 G R K E I Y I N L L P K V M V Q T V V H D D A V E K T I I Q Q V I F K T A Y T G A V  
UniRef90\_H2JCK9 Q G H S Y S T T D I Q R R L I S I V V S D D F L D K T I Q Q V I F K T A Y T G A V  
UniRef90\_H2BSL8 G H K Q V Y N N L L P K V K V I E E S I V S S D E T Y E N T I D Q I I E E I N T G V Y  
UniRef90\_R6KDV8 G L K D V T Y E E L P K T L L L I V V K D E E V E K V V N T I M N H A R T G N I  
UniRef90\_D3SPF8 G S T E Y K V E F S P K I R I E E I V E D E L A D L V V Q E T I S L A A R T G E I  
UniRef90\_UPI000477CBD9 G S S E V D S T L P K V K C E V I V G R I P V N D V I E T A K K A L Y S G H I  
UniRef90\_I5ASC3 R G I S Y S T S D I Q R R Y L V V I V S D D F V V D K T V E T L T E K A K T G D V  
UniRef90\_K4IIR9 G H T E Y Y V D L V P K V K I E E V V V E S E M V E E A V E A I L S S A K T N K D V  
UniRef90\_F2LU02 G W T E Y Y I N L V P K V E I E V V V A E S E T V D Q V I D I L V E T C R T G E I  
UniRef90\_K8E5B6 G Y H E I E V N L L K K T R I E I A V N D E Y V Q P T I D A I V R G A R T G E I  
UniRef90\_H9UKL1 G H K E Y V Y T L H P K V K V I E E L V V C E V P P A Q S V I E S I V Q Q A A Q T G H I  
UniRef90\_UPI00037772DC R G H V Y Q L S L H P K V K V I E E M V V S D A Y A A S R A V I E S I V Q Q A A Q T G E A  
UniRef90\_D5WQV7 G H K D F G G N L L P K V K V E E T I V S D D D T A E K I I D L V I E E I N T G L Y  
UniRef90\_R7HBJ4 G H T E F T I D L L E K V R I E E V L C T D E E F E N V I E T I C D A A A R T G E I  
UniRef90\_M9VFR4 G I T A I E V D L L H K I K I E I V A K D E L V D E A I V S A A R T G E I  
UniRef90\_D3S2K9 G H T E V Y I D F I G K M R L E I L V A D A E A G P V I D V I A Q S A A R T G E V  
UniRef90\_UPI00031E6250 R G Q V F K S G Y L Q R R M L S I V V R D V N L V E S K T I N A I L D S A W T G E T  
UniRef90\_E4T3F6 G G G P A Q L T Q R T K L E I V V P D V Q V E S V L D T I L J E S A H T G R Y  
UniRef90\_UPI0003B7B5C8 G H Q E Y T I N L L P K V K I E E L V I P D D L E Q E A V V T A I T K Q G R S G K I  
UniRef90\_T0ICK3 G K T D A P I R F L S P K V K L E E L V T E E E K V E E M I S T I Q S L R E A S T N K I  
UniRef90\_X1KXZ4 G N S F S M E F S Q K L K I E E M V V D N A K V Q P I D V L R E A K T G E V  
UniRef90\_F2F7F2 G H T E V Q S D T V D K V R I E E V L A H D E D L D G V I E A I V A A A H T G N I  
UniRef90\_N1UWN6 G H T E Y V V D F L P K V K V E E V V V A E D Q L N T S V E A I M N A A R T G K I  
UniRef90\_UPI00036635D2 G H T E V E V D L L P K V K F E I V A E D A I D N S I N A L C V N A A G T N T I  
UniRef90\_U1RDZ9 G H S E Y S V N L L P K I K V E I V V C E V P V L E T T V V K T A K E L K T G K L  
UniRef90\_UPI00037BFC2C R G V T Y S T S D I Q R R Y L S I V V S D D F L D R T V A A I L E S A A T G L V  
UniRef90\_UPI0004142E43 G H K E Y S V N L L P K I K V E E T I V E P E T A E I T I E K V V A K I Q T G T Y  
UniRef90\_F0Z396 G H S E Y T V D F V P K V K V E E V V V E E P M A A A V A D A I V A A A R T G K I  
UniRef90\_UPI00046D2326 G N K S G M K Y V P K R Y L S I V V S D E A V D D T V D A I S Q V N A R T G Q I  
UniRef90\_S0FRZ6 G I K T M D V D L L P K V K I E E L I V K D E A V D L I A T I S A A A R T G R P  
UniRef90\_G7WKB2 G Q E E I Y V N L L P K I K I E I V I Y E T P L E K L I Q T I R D T C N T G H V  
UniRef90\_H1CY60 R A G K M Q A V K T L S K T K L E I V V P D K D V D T L I K V I R E H A R T G K K  
UniRef90\_A2SPS9 G S A E R Q A N F V S K V K M E I V V S K D Q V E A V I D A I D E A R T G E I  
UniRef90\_Q70YP6 G E Q V Y D A D Y I A R L Q L D L L A P I D M V D P I I E A I T S A G R T G N V  
UniRef90\_UPI000363F4E2 G H T Y Y D V N L K K I K V I E E V V V S E I P A S E V L K T V E A K C L K T G T V  
UniRef90\_R7NJ57 T K K E Y S V D L H Q K V K I E E V V V A E I P A S D D V V D A I L E A A H T G D P  
UniRef90\_M1XLH1 G D T Q Y Y L K L L P K V K I E E I V V C E V P V D L V V K T A Q D V L R T G E I  
UniRef90\_U2Q6U4 G H A E Y S V N F L P K V K I D V A I A T L S W M K S S M S S A K R L T P E K I  
UniRef90\_W1DJ34 G Q T D Y G V S L L R K V Q L Q I G V N E F V P T I D A I L E A K G G R S G E I  
UniRef90\_Q7UGU6 G N T K Y Y V N L L P K I K V E E V V V C A V P V V S A V I E A A K K A L Y T G N I  
UniRef90\_R6PKN7 R G V S Y S T S A I E R K M L S I V V N D E F V E P A V I Q A I T E A G G T G H V  
UniRef90\_H6RG29 G I K H S G M K Y V P K R Q L S M V V K D G D V D A V I K T I V D I N R T G Q V  
UniRef90\_UPI0002554DB6 G V K E Y V T S L L P K V K V S F V L E D K D V E S V V D R I L M I C G T G E V  
UniRef90\_S1RMN4 G H K E F D I N L L Q K I K I E E L V V C E V P V V E T A K K V L H T G N F  
UniRef90\_C6PX29 G Y K E C K F Q T V Q K I K I E E M V V K D E Q V G A I V V E T A K M D L A R T G K P  
UniRef90\_N1ZIN2 G S K E F K T R L L N K I K L E T V V P E E D S Q K V K E L I M K L A G T G N V  
UniRef90\_F0SX92 G I K K I D V D S I P K V K I E E M V V E E D K D V D T I T S D A I R E A G R T G N Y  
UniRef90\_QOWOF7 G R K H Y Y M N L L P K V K A E I V V C A V P V V S K V V E T A K K V L H T G E M  
UniRef90\_E6UL18 G H K E Y D I N L L P K V K V E E I V V C E V P V V E K V V E T A K K V L H T G E M  
UniRef90\_D8GLU1 G H T E Y V V D F L P K V K L E E I A V A D D M V D T V I D A I T K A A N T G K I  
UniRef90\_F3KEQ2 G I K Q I K V D M L P K V E I E M V I G D E D V H P V D T I K L N A R T G K F  
UniRef90\_K4MM77 R G K N Y N V T L H P K V K L E I V I S D Y M V E R T I K A I V E S A Q T G E D  
UniRef90\_UPI000421C1E8 R G V S Y S T A D I Q R R Y L S I V V S D D F A E R T I E A I L K S A G T G N V  
UniRef90\_I3COV4 R G V A Y E P A Y I P R T K L E I V V P D D L A E G V I C I L L K S E G T G E I  
UniRef90\_UPI0004231618 G I T S Y T V D L L P K V L V M I V V S D E K F E K V I D I L L E C C S T G N P  
UniRef90\_A4XJ62 G M G E I V Y D E L P K S M L L V V D E E A V P K V C E T I M E S A R T G R F  
UniRef90\_F8ADN6 V G K V Y S T N D I Q R R Y L S I V V N D D F E Q I T V V E T L L K T A A T G E V  
UniRef90\_UPI0002557B7B R G V S Y S T S D I Q R R Y L S I V V N K E F E E A A I D A I L S A A K T G E V  
UniRef90\_UPI000248FAD5 G Y T E I Y L N L L K K I K L E I G V N D E F E T S K T V E A I V K G A N T G E I  
UniRef90\_B3EQP2 R E E D G R M H Y P K R M I S L I V P D E D T S L V V E S I V K V A N T G Q I  
UniRef90\_U6EAP8 G H T E Y T V D V V D K T R I D V L V D D A E D E V V R A V V S A A R S G N V  
UniRef90\_UPI0003666929 G Y K E I E P Q M Q P K I K F E I V V S E E W A E K T I E A I K K A A Y T G E F  
UniRef90\_R5ZH95 R G T V Y D T S Y I S R Q L L T I V V S D I N V E K T V E A I K K S A K T G E I  
UniRef90\_E4T3F2 G N T E Y Y V H L P K V K V E L V V S A I P V A A V V A A K K V L Y T G K Y  
UniRef90\_R6IBW5

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UniRef90_L1QIL7	G D G K I	F V Y D V	E N V I K I	R T N E E G Y D A L Q D
UniRef90_B8EMQ7	G D G K I	F V Y D V	E N V I K I	R T N E E G Y D A L Q D
UniRef90_UPI000462EED7	G D G K I	F V Y S D	E N V I K I	R T N G E E G E A A L Q G
UniRef90_R5IZE3	G D G K I	F V Y D V	E N V I K I	R T N G E E G Y D A L Q G
UniRef90_J3A3A5	G D G K I	F V Y D V	E N V I K I	R T N G K E G T A V L Q G
UniRef90_GOH0Z5	G D G K I	F V Y L P	E D V C R	R T N G E M G P D A I L Q P
UniRef90_UPI0001FFEC2A	G D G K V	W V T S V	E T V V R	R T N G E R G T D A I L Q P
UniRef90_R7H5M4	G D G K I	F S Y E L	R T A T R	R T N E T G Y D A I L Q P
UniRef90_F2JHP3	G D G K I	F V Y P L	E Q N V V	R T N G E T G V K A L L G
UniRef90_F8F1U3	G D G K I	F I L P L	E E C V R	R T N G E T G S A A L L G
UniRef90_A8TU50	G D G K I	F L I P L	E S D V I	R T N G E R G E N A L L G
UniRef90_I7A1G0	G D G K I	F I I D V	E E V V K	R T N G E R G E S A L L G
UniRef90_D1BZP0	G D G K V	W V V P L	E D D V A	R T N G E H G D S A L L G
UniRef90_K4J355	G D G K V	W V Q T L	D S V V R	R T N G E T G V D A I L G
UniRef90_H2CE94	G D G K I	F I S D L	V E V I R	R T N G E K G K E A L L G
UniRef90_J6J8V8	G D G K I	F V A S V	E R A L R	R T N G E T D V A A L L G
UniRef90_W2UMN3	G D G K I	F I S P I	E E T Y R	R T N K E S G E S L L G
UniRef90_W5X5A5	G D G K I	W V T A L	H E V V R	R T N E R G D D A A L L G
UniRef90_Q8KF33	G D G K I	F V S D I	E Q S Y R	R T N G E S G D E S L L G
UniRef90_I7FZB5	G D G K I	F V Y C P	L E E V V	R T N Q E R G S E A V L L G
UniRef90_Q8TJ91	G D G K I	F V S N I	T E A I R	R T N G E S G E A T L L S
UniRef90_R9MSG9	G D G K L	F L Y N I	E N V V R	R T N G E E G F L A L L S Q D T
UniRef90_D4J7N6	G D G K I	F I Y N I	E N V V R	R T N G E R G A D A I L L S
UniRef90_R4KJ56	G D G K I	F I T K I	E N A I R	R T N G E K G D A A V L L S
UniRef90_R5KIH9	G D G K V	F V Y D V	E D V V R	R T N G E R G F D A L L S Q D
UniRef90_W6N919	G D G K V	F V S D L	E D V M R	R T N G E R G R D I L L S
UniRef90_L0DGX4	G D G K I	F I L P M	D D C L R	R T N G E R G H E A I L L S
UniRef90_UPI000255B2D1	G D G K I	F V S E V	E A Y R I	R T N G E T G H A G I L L N
UniRef90_H2JCK9	G D G K I	F V Y N V	E E A V K	R T N S E S G E D A I L L N
UniRef90_H2BSL8	G D G K I	F I S T I	E E A Y R	R T N Q E G G T D S L L N
UniRef90_R6KDV8	G D G K I	F V Y E V	I A D T R	R T N G E R G D E A L L N
UniRef90_D3SPF8	G D G K I	F V S P V	E K A I T	R T N G E E S G I A A L L N
UniRef90_UPI000477CBD9	G D G K I	F V S Q S	E Q I V R	R T N Q E E S G I A A L L N
UniRef90_I5ASC3	G D G K I	F V Y A V	D R V V K	R T N G E E D L D A L L N A D V
UniRef90_K4IIR9	G D G K I	F I S N I	E E C I R	R T N G E R G T Q A L L N
UniRef90_F2LU02	G D G K I	F I L P V	E K A I R	R T N G E I D K N A L L N
UniRef90_K8E5B6	G D G K I	F V T A L	E D C V R	R T N G E R G I D A V L L N
UniRef90_H9UKL1	G D G K I	L V S E L	A E C V R	R S G E K G K E A I L L N
UniRef90_UPI00037772DC	G D G K I	F V Y K V	E N A V K	R T N G E E G R D A L L N
UniRef90_D5WQV7	G D G K I	F V L P V	V Y E A Y	R T N G A P D E L L N
UniRef90_R7HBJ4	G D G K I	F V Y D V	C D A V R	R T N G E R G V D A L L N
UniRef90_M9VFR4	G D G K V	W A S E V	Q D V I R	R T N R E R G P A A L L N
UniRef90_D3S2K9	G D G K I	F V I P V	E R V I R	R T N G E E S G I A A L L N
UniRef90_UPI00031E6250	G D G K I	W S T P V	D E V I R	R T N G D R G D A A L L N
UniRef90_E4T3F6	G D G K L	F V Y D I	E D T Y R	R T N K E S G P E A L L N
UniRef90_UPI0003B7B5C8	G D G K I	F V S N V	I T G A V	R T N G E R D E A A V L L N
UniRef90_T0ICK3	G D G K I	F I F P I	E N V Y R	R T N G E E S G I A A L L N
UniRef90_X1KXZ4	G A G K I	F V L P V	E D V L R	R T N K E R G R I A I L L N
UniRef90_F2F7F2	G D G K I	F L Y P V	E Q A I R	R T N K E L G S I A I L L N
UniRef90_N1UWN6	G D G K I	W A V P V	T Q V V R	R T N G E H G P D A I L L N
UniRef90_UPI00036635D2	G D G K I	F V L P V	E E T V R	R T N G E R N E D A L L N
UniRef90_U1RDZ9	G D G K V	W V I P V	E S V T R	R T N H E O Q G V D A L L N
UniRef90_UPI00037BFC2C	G D G K I	F I Q P L	A N A V R	R T N G D E G P A A I L L N
UniRef90_UPI0004142E43	G D G K V	F V S E I	Q E T Y R	R T N K E K G N D A V L L N
UniRef90_F0Z396	G D G K I	F V Y E V	Q D A V R	R T N K E K G R D A L L N
UniRef90_UPI00046D2326	G D G K V	F V S P V	H D A I R	R T N G E R G R A A L L N
UniRef90_S0FRZ6	G D G K I	F V C P V	E D A L R	R T N D E Q Q G N D A L L N
UniRef90_G7WKB2	G D G R I	F V I P V	A R S V R	R T N G E E S G I A A L L N
UniRef90_H1CY60	G D G K I	F V S E L	T T A V K	R T N G E E R G G A A L L N
UniRef90_A2SPS9	G D G R I	F V L P V	E A A A V	R T N D E S G I A A L L N
UniRef90_Q70YP6	G D G K I	F V V P V	A D V I R	R T N G E R D S G I A A L L N
UniRef90_UPI000363F4E2	G D G K I	S V F D I	E R V V R	R T N G E E N E S A L L N
UniRef90_R7NJ57	G D G K C	F V T E V	V D V L R	R T N G E R G V A A L L N M G A
UniRef90_M1XLH1	G D G K V	F V L P V	E S A H Q	R T N D V S G V D A V L L N
UniRef90_U2Q6U4	G D G K I	F I Y E L	A N A T K	R T N G E E G R A A I L L N A D
UniRef90_W1DJ34	G D G K I	F V A E L	Q R V I R	R T N G E A D E A A L L N
UniRef90_Q7UGU6	G D G K I	F V L P M	D C V R	R T N G E R G G E A I L L N
UniRef90_R6PKN7	G D G K I	F V Y G T	I D E V V	R T N G E T N A A A L L N Q G V
UniRef90_H6RG29	G D G K L	F V L P V	E E A Y R	R T N G E K G G E T L L N
UniRef90_UPI0002554DB6	G D G K I	F V C P V	E D E A L	R T N G E T G E S A L L N
UniRef90_S1RMN4	G D G K I	F I S P I	E E V I R	R T N G Q R G K E A I L L N
UniRef90_C6PX29	G D G K I	F I Y D V	A N V I R	R S N G A E G R D A L L Q
UniRef90_N1ZIN2	G D G R I	Y V Y D V	C E V I R	R T N G E R G T E A L L Q
UniRef90_F0SX92	G D G V I	W I S P V	E E L T R	R T N G E E S A L L Q
UniRef90_Q0W0F7	G D G K I	F V L P I	E D M V A	R T N D E S G I A A L L Q
UniRef90_E6UL18	G D G K L	F I Y P I	E N V I K	R T N G E Q G Y D A L L Q
UniRef90_D8GLU1	G D G K I	F V Y N V	E N V I R	R T N G D E G K A A L L Q
UniRef90_F3KEQ2	G D G K I	F V M P L	E Q A V R	R T N G E T G D D A L L Q
UniRef90_K4MM77	G D G K I	F V S P V	E M L V G	R T N D D E S G I A A L L Q
UniRef90_UPI000421C1E8	G D G K I	Y V Y P I	I E A Y N	R T N G K E D F D S G I A A L L Q
UniRef90_I3C0V4	G D G K I	T V S P V	E E A Y R	R T N R E K G K E S L L Q
UniRef90_UPI0004231618	G D G K I	F V Y D V	Q E A Y R	R N N D T G E A A L L Q
UniRef90_A4XJ62	G D G K I	F V S E V	S E V I R	R T N S K E R N S G I A A L L Q
UniRef90_F8ADN6	G D G K I	F V L P V	N Q V W T	R T N G E E S G I A A L L Q
UniRef90_UPI0002557B7B	G D G K L	F V S D V	K E T Y R	R T N G E K G G E T L L Q
UniRef90_UPI000248FAD5	G D G K I	F V S D V	T E A Y R	R T N A E K G G E T L L N G
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U N I R E F 9 0 \_ U P I 0 0 0 3 6 A C C 1 A  
R E A E V L I D L F P R R M F N V I A H D A D V D K I V K S L I A A N Q T N N V  
U N I R E F 9 0 \_ E 1 R 3 Y 8  
G I K E V M Y D E L P K E M L L V V V P E S E K E I V L R V M L K L G K T G V Y  
U N I R E F 9 0 \_ I 0 I L P 5  
G L H V G T I H Y I A K V F F M I V V E N H D M D R A V N A I R I L A A C T G N P  
U N I R E F 9 0 \_ I 5 A V A 2  
G A A E Y E T E L L S K Q V V M V L P S K E M D G F L D A Y S K A L Y T G H I  
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G D G K | F V N T V I D N A Y T V R T G K K G  
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G D G K | F V R A V E Q A V R I R T D D E R G D D A L  
G D G K | F V L P V E R A Y T I S T R Q E G  
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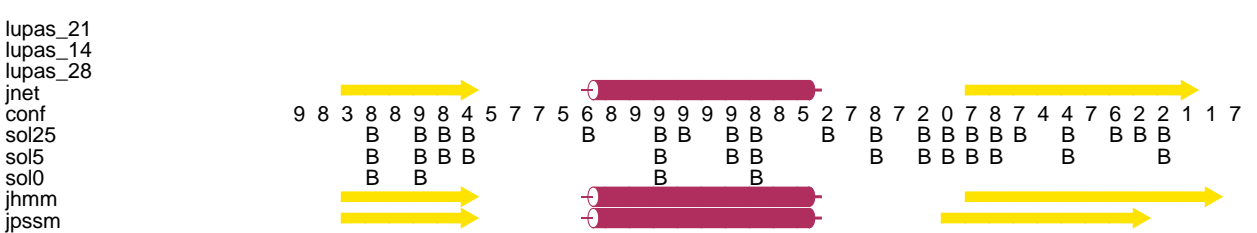
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 I S G W V | Y V T P V E Q A L P I G G K E  
 E D D M F I Y P I E R I L R I R T S E E G E E A I  
 G D S A I | W M T D V V Q A F L H R T G  
 G D G K I | L V L R S D A P A V I W R G E  
 G D G V V | A V F P V E R F F R I S T  
 G E G L I | Y V S E V L E I Y K V R T G E  
 G D G V V | F T T P V R A F G R I R  
 G D G K I | F V V  
 G K I | F V S Q I L R A V D I A S D E E G E S T I  
 S H G I V A V L P V E E I Y R I R D Q R G A D  
 G T G I V A V F P V E D F F H I R T  
 G D G V I | Y T T P V H S F G R I R  
 R D G E L | W I C E V R T A  
 G D G K I | F I R N V E Q A I R I R T N E R E D E A L  
 D I H I H I L P V E K A I F P G N G E I P D D S L A G G S  
 G K I | F V Y P V L R A V D I K S G A E G Q K A I  
 K D R I L L S P I L H V I S I  
 S E G L V | S I V P I N D L Y W I H D K R S A L E A  
 G K I | F V S P I L R A I D I G T G Q E G E E T I  
 G D G V V | A V V P V E R F L R V R S  
 S E G L V | C I A P V K D L I W I H  
 G H G I L | F V L P I T D A Y G I  
 H S G V V | F V S D V  
 G Q G I | S C I T N I E D A L  
 G N G L I | F I Q N V N K T Y G I  
 G G K I | F I S E M E V V D M E T  
 G N G I I | F V Q D V N Q T Y G I

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