

QUERY	1	10	20	30	40
UniRef90_UPI00020359E8	K S A K D A	L L L W C Q M K T A G Y P N	V N I H N F T T S W R D G M A F N A L I		
UniRef90_X1WG23	R S P R D A L	L L W C Q M K T A G Y P H V	N V T N F T S S W K D G L A F N A L I		
UniRef90_UPI0003C8A592	R S A K E A L L	L W C Q M K T A G Y P E V	N V Q D F S G S W R D G L A F N A L I		
UniRef90_F1KPV7	R S A K E A L L	L W C Q M K T A G Y P E V	N V R N F T T S W R D G L A F N A L I		
UniRef90_UPI0003598806	R S A K D A L L	L W C Q R K T A G Y P G V	N I T N F T T S W R N G L G F N A L I		
UniRef90_I1EP23	K S A K D A L L	L W C Q R K T S G Y P G V	N I T N F T T S W K D G L A F N A L I		
UniRef90_F1KPH4	R H A K D A L L	L W C Q R K T A G Y P G V	K V E N F T T S W R D G L A F N A L I		
UniRef90_F2U4B5	K N A K E A L L	R W C Q R K T K G Y P G V	K V E N F T T S W R D G L A F N A L I		
UniRef90_W2SGT5	S A R D G L L L	W C Q R K T A P Y N N V	N V Q N F H T S W K D G L A F F C A L I		
UniRef90_UPI0002739031	S A K E A L L V	W C Q R K T A G Y P V	N I T D F S H S W R D G L A F F N A L I		
UniRef90_UPI0002B4B1E4	R S A K D A L L	L W C Q S K V Q G Y P V	N V T N F T T S W R D G F A F N A L I		
UniRef90_UPI0004408DAC	S A K E G L L L	W C Q R K T Q P Y E N V	N V Q D F T Y S W T D G L A L C A L I		
UniRef90_H2Y434	S A K E G L L L	W C Q R K T A P Y K N V	N V Q N F H M S W K D G L A F F C A L I		
UniRef90_W6UEB2	S A K E G L L L	W C Q R K T A P Y S N V	N V T N F H T S W K D G L A F F S A L I		
UniRef90_C3YBC4	S A K E A L L M	W S Q R T E G Y P G V	S V T N F S K S W R D G L A F F C A L I		
UniRef90_C3XZ42	S S K E G L L L	W C Q R K T A P Y K N V	N V Q N F H T S W K D G L A F F C A L I		
UniRef90_W8AB01	R S A K D A L L L	W C Q R K T H G Y P G V	N I Q D F T S S W R S G L G F N A L I		
UniRef90_Q6DF05	S A K E G L L L	W C Q R K T A P Y R N V	N I Q N F H T S W K D G L G L C A L I		
UniRef90_U6HK40	R S A K E A L L L	W C Q N K T R G Y A N V	D V K D F T T S W R D G L A F F G A L I		
UniRef90_UPI0003C26DA7	S A N E A L L L	W C Q R K T A S Y S N V	N V Q D F S R S W R D G L A F F N A L I		
UniRef90_UPI00038BDE7A	S A K E A L L A	W C Q R K T A S Y T N V	N I T D F S R S W S D G L G F N A L I		
UniRef90_S9R6L9	T A K E G L L L	W C Q R K T G K Y P E V	E V Q D F S R S W T D G L A F F C A L I		
UniRef90_F2ULB1	K S A K E A L L Y	W C Q K V T K G Y P V	D I R N F T S S W S N G M A F N A I		
UniRef90_G0T1Z8	A K E G L L L	W C Q R K T A P Y V E V	D V K D F T R S W Q D G L A F F C A L I		
UniRef90_M7NUK6	T A K E G L L L	W C Q R Q T A E Y E N V	N I C D F T T S W T D G L S F C A L I		
UniRef90_U6ID61	R N S T E A L L L	W C Q K A K T Q G Y P N V	E I N N F T N S W R D G L G F F A A L I		
UniRef90_E9G2Y1	T A R E A L L R	W C Q R Q T G E G Y R V	R V K D F T S S W K D G L A F F N A I		
UniRef90_UPI0002BCE312	P R V A L L A	W C Q R Q C E G Y P N I	D I R D L S S S F R D G L A F F C A I L		
UniRef90_V9KKI7	S K R N A L L R	W C Q R K T E G Y P N I	E I T N F S S S W S D G L A F F C A L L		
UniRef90_A0A016S3C8	S I K D A L L R	W R V W Q S R I Q G Y P N V	N V T N F S S S W A D G M A F C A L I		
UniRef90_UPI00046BF8DC	S A K E K L L L	W T Q K V T A G Y V G V	K C T N F S S S C W S D G K M F N A L I		
UniRef90_E9H3B2	Q A L E I W C R	Q R Q I T A G Y V G V	K V T N M T S S W K D G L A F F C A L V		
UniRef90_UPI0003C36980	T A K E Q L L Q	W C Q L K T K E Y E N V	Q I T N F S S S W V D G L A F F C A L I		
UniRef90_UPI00046B84F0	S A R D A L L L K	W A R K S T S K Y P G V	R V S D F T T S S W R D G M A F N A I		
UniRef90_F6YHG8	S A S R N L Q Q	W C S R Q C E G Y P G I	L I Y D L S S S F R D G L A F F C A L I		
UniRef90_S2JKQ5	K N A K E G L L L	W C Q R K T A N Y Q D V	D I R D F T Y S W T D G L A F F C A L I		
UniRef90_S4RC93	T A K D R L L L	W S Q R M V E G Y P G I	R C D N F T T S W R D G R L F N A I		
UniRef90_V9IBQ0	K R G T K A L E L	W C R R I T E G Y P D V	N V Q N M T T S W K D G L A F F C A M I		
UniRef90_A0A044QXZ3	S A R D A L L Q	W Q A D V T R G Y P G V	N V R N F T N S W R D G L A F F N A I L		
UniRef90_UPI0003C106EE	T A K E K L L L	W S Q R M V E G Y Q G L	R C D N F T T S W R D G R L F N A I L		
UniRef90_UPI0003297BAB	R R G T K A L E L	W C R R M T E G Y P G V	K I D N M T T S W R D G L A F F C A M I		
UniRef90_W5NK45	S A K E K L L L	W S R Q M T E G Y V G V	R C E N F T T S W R D G R L F N A I		
UniRef90_W2TCN2	S A R D A L L L Q	W A R K V T S G Y P R V	N V T N F S S S W K D G L A F F C A L I		
UniRef90_H3AOY6	S V K Q M L L E	W C Q A K T R G Y E H V	D I Q N F S S S W S D G L A F F C A L I		
UniRef90_V5HWW7	S K R N A L L K	W C Q N K T L G Y K N I	D I T N F S S S W N D G L A F F C A L L		
UniRef90_L7MBL3	K A L E L W C R R	R V T E G Y R D V	I N V V D M S S S W R D G L A F F C A L I		
UniRef90_E5S038	K E A L L R W C Q	I K T K D Y K N I	N I T N F S S S W A N G M A F C A L I		
UniRef90_E0VMU3	A K D R L L Q W C	Q S K T E Y K N I	Q I E N F T S S W R D G K L F N A V I		
UniRef90_H2S8J3	S A K E K L L L	W S Q R I S D G Y Q N I	R C E N F T S S W R D G K L F N A V I		
UniRef90_UPI000440CFD2	A I K A L Q Q W C	C K L Q C D G Y R D V	S I I N M T T S F R D G L A F F C A L I		
UniRef90_H3CUN4	K N V K Q M L L D	W C R A K T E P Y E G V	N I Q N F S S S W K D G I A F F C A L V		
UniRef90_Q5AVH3	T A K A G L L L	W C Q R K T A C Y E H V	E V R D F S T S W N D G L A F F C A L L		
UniRef90_X1Y948	T A R E A L L R	W A R R S T A K Y P G V	R V N D F T S T G S W R D G L A F F S A L I		
UniRef90_T1ES98	K E M L I K W C	Q M Q T K E Y E N V	N I T N F S S S W A D G M A F C A L I		
UniRef90_UPI0003F05E88	T I K T M L L E	W C K A R T A G Y E N C	E I T N F S S S W A N G M A F C A L I		
UniRef90_V5GA18	T I K K D R L L F	W C R M K T K E Y E N V	Q L D N F S S S W A D G L A F F C A L I		
UniRef90_UPI00034FA24C	R T G K L L G	W C Q K Q M G E G Y P G V	N V T D L T M S W K S G L A L C A I I		
UniRef90_L5JMM3			L P L V L S C		
UniRef90_K1RM01					
UniRef90_UPI0004625F12	R K A I E R T	L T W C R Q C T E G Y Q G V	D I H N F T T S W R D G L A F F N A L L I		
UniRef90_UPI00034F9488	R K G T K A L E L	L T W V Q R K T R K Y V	A V Q D F A S S W R S G L A F L C A V I		
UniRef90_U6IYC0	T A N D G L L L	W C Q R S T E P Y P D V	N V R N F N T S W K D G K A F C A L V		
UniRef90_M3ZJT8	S I K Q I L L E	W C R S K T V G Y Q N I	D I Q N F S S S W S D G M A F C A L V		
UniRef90_B0EFS2	S A K Q G L L L	W C Q K K C E P Y P	K V E N F S E S F K D G K V F C A L I		
UniRef90_K1RBC0	Q A L Q Q W C	K K Q T D G Y R D V	D V V N M T T S S W K S G M A F C A I I		
UniRef90_I1FDV7	K S P K A E L L H	W T Q T Q N G Y D G V	N V T N F H T S S W R D G M A F C A L I		
UniRef90_M7BAZ2	S I K Q M L L D	W C R A K T R G Y E H V	D I Q N F S S S W S D G M A F C A L V		
UniRef90_G5BCZ7	S A K K A L L L W	Q A E C C A K H E S I	I S V T D F K S S W R N G L A F L C A V I		
UniRef90_UPI0003B44925	A I K A L E Q W C	K I Q C D Y R D V	A V T N M T T S F R N G L A F F C A L L		
UniRef90_G3Q7I9	S A V K A L Q Q W C	R C V R C D G Y R D V	S I T N M T T S F R D G L A F F C A L L		
UniRef90_B4JLK8	K A L L E F W C	Q R T T K G Y N N V	K I E N M T T S W R D G L G F C A L I		
UniRef90_G6C126	S K R N A L L K	W C Q K T M G Y N N I	D I T N F S S S W N D G L A F F C A L L		
UniRef90_G3VLT7	S A K K A L L L W	Q A E Q C T M H G Y V	N V T D F K S S W R N G M A F F L A I I		
UniRef90_T0QBC9	S G K D G L L L W	C K R S K T A D Y P T V	D V T N F T S S W T N G L A F F C A L I		
UniRef90_R7U7R1	K Q M L L D W C	K S K T T G Y E H V	N V T N F S S S W N D G M A F C A L I		
UniRef90_E9H404	R S A K D F L L Q	W C Q S R T R G Y K N V	Q I E N F S S S W N D G L A F F C A I I		
UniRef90_W5UDG7	K A L Q E W C	R V Q C E Y N D V	D I K N M S A S F R D G L A F F C A I I		
UniRef90_G3P1X1	A R K A L L R W C	Q Q T A T K R L G I	E V K D F G P S W R T G L A F F F A V I		
UniRef90_UPI0001DE6F47	S I K Q I L L E	W C R S K T I L G Y K N I	S I L Q N F S S S W N D G M A F C A L V		
UniRef90_A0A059EIU9	N A K N A L L A	W C K A V T S P Y S S V	S I L Q N F S T S W K D G L A F F N A I I		
UniRef90_W1QCS3	S K K E L L L R	W C K K V T S Y A D I	R M T N F T S S W S S G H A F F C A L L		
UniRef90_H3ATY1	N K L L T W C Q K Q T E G Y H V	N V T D L T T S W K S G L A L C A M I			
UniRef90_H3B992	E E L L S W C	Q R H T E G Y R N V	K V K D L T S S W K S G L A L C A L I		
UniRef90_I3JY97	R L L N W C	Q R Q T H G Y K G V	D V T N L T T S S W R N G L A L C A L I		
UniRef90_V8P219	S A K E K L L L	W S Q K V T A G Y V G L	K C T N F S S C W S D G K M F N A V I		
UniRef90_UPI0003870BFC	S A R K A L L K	W Q I Y T A A K Q V G I	E I K D F G Q S W R S G G V A F F H S V I		
UniRef90_C3ZQA4			S K K E L L L R W C Q A S T A G Y P G V		
UniRef90_UPI000440DC92	S E S N K L L L	W C Q K Q T Q G Y R G V	D V T D L T T S W R S G L A L C A L I		
UniRef90_G3N6E0	S I R N E L L R	W C K E V T N G Y K N V	A V S D L T T S W K N G L A L C A L I		
UniRef90_E0S976	E E L L S W C	Q A S T A G Y P G V	A V T N F S T S W S S G L A L C A L I		
UniRef90_UPI00035956AD					

QUERY	H	K	R	P	D	L	I	D	F	D	K	L	K	K	S	N	A	H	Y	N	L	Q	N	A	F	N	L	A	E	Q	H	L	G	L	T	K	L	L	D		
UniRef90_UPI00020359E8	H	K	R	P	E	L	F	D	F	T	K	L	T	L	T	S	N	A	H	N	L	E	H	F	S	V	A	E	R	H	L	G	L	T	P	L	L	D			
UniRef90_X1WG23	H	A	R	P	D	L	F	D	Y	N	R	L	R	Q	D	P	K	R	S	L	T	H	A	F	R	T	A	E	D	E	M	Q	L	L	D						
UniRef90_UPI0003C8A592	H	R	R	P	D	L	V	D	F	N	K	L	T	K	S	N	A	N	Y	N	L	Q	R	A	F	R	T	A	E	Q	L	G	L	M	K	F	L				
UniRef90_F1KPV7	H	K	R	P	D	L	I	E	Y	D	K	L	Q	K	S	N	A	L	F	N	L	A	N	A	F	D	T	A	E	Q	Q	L	G	M	K	P	L				
UniRef90_UPI0003598806	H	A	R	R	P	D	L	I	N	Y	D	R	L	D	P	A	D	H	I	G	N	L	N	N	A	F	D	V	A	D	R	E	L	G	I	P	R	L			
UniRef90_I1EP23	H	K	R	R	P	D	L	I	D	Y	P	S	L	S	S	K	N	P	I	A	T	L	N	N	N	A	F	D	V	A	E	F	G	I	P	R	L				
UniRef90_F1KPH4	H	S	R	R	P	D	L	I	N	F	E	S	L	S	S	P	Q	D	P	I	G	N	L	N	N	A	F	D	V	A	E	K	R	E	L	G	I	P	R	L	
UniRef90_F2U4B5	H	K	R	R	P	D	L	I	N	F	D	A	L	D	P	K	D	P	I	T	N	L	N	N	N	A	F	D	V	A	E	K	R	E	L	G	I	P	R	L	
UniRef90_W2SGT5	H	R	R	P	D	L	I	D	Y	Y	Q	L	H	K	G	D	P	L	H	N	L	N	L	A	F	D	V	A	E	K	H	L	D	D	P	R	M	L			
UniRef90_UPI0002739031	H	A	R	R	P	G	L	I	R	Y	G	S	L	Q	P	E	Q	P	L	H	N	L	N	N	N	A	F	E	V	A	E	F	G	I	P	R	F	L			
UniRef90_UPI0002B4B1E4	H	K	R	R	P	D	L	I	D	M	K	V	K	E	E	P	I	K	N	T	R	L	N	N	N	A	F	S	T	A	E	R	D	G	I	V	P	F	P		
UniRef90_UPI0004408DAC	N	C	R	R	P	D	L	I	D	Y	D	S	L	D	K	T	D	R	H	A	N	T	R	L	N	A	F	D	V	A	E	K	H	L	D	P	Q	L			
UniRef90_H2Y434	H	R	R	P	D	L	I	D	Y	N	K	L	R	K	D	D	P	L	T	N	L	Q	T	A	F	E	V	A	E	K	H	L	D	P	Q	M	L				
UniRef90_W6UEB2	H	R	R	P	D	L	I	D	Y	A	K	L	S	K	N	P	I	Q	N	L	E	N	A	F	T	L	N	A	F	S	T	A	E	R	D	G	I	V	P	K	M
UniRef90_C3YBC4	H	R	R	P	D	L	I	D	Y	K	S	L	K	K	S	N	K	Q	N	L	E	N	A	F	E	L	I	A	E	K	Y	L	D	P	Q	T	R	L			
UniRef90_C3XZ42	H	R	R	P	E	L	I	P	N	Y	N	L	R	K	D	D	P	I	G	N	L	N	L	A	F	E	L	I	A	E	K	Y	L	D	P	Q	T	R	L		
UniRef90_W8AB01	H	S	R	R	P	D	L	F	E	Y	S	T	I	S	K	N	S	N	I	D	N	H	A	F	D	M	A	S	E	L	G	I	P	S	L	D					
UniRef90_Q6DF05	H	R	R	P	D	L	I	D	Y	S	K	L	N	K	D	D	A	V	G	N	I	L	N	L	A	M	D	V	A	E	K	H	L	D	P	Q	T	R	L		
UniRef90_U6HK40	H	S	H	N	P	E	A	I	D	M	S	K	M	L	L	D	K	P	M	E	N	L	T	L	A	F	K	T	A	E	Q	C	F	E	V	P	Q	M	L		
UniRef90_UPI0003C26DA7	H	V	R	R	P	D	L	I	D	Y	S	S	L	R	R	Q	P	I	K	N	L	N	N	A	F	V	A	Q	K	E	L	G	I	T	K	L	A				
UniRef90_UPI00038BDE7A	H	A	R	R	P	D	L	I	D	Y	G	S	L	S	R	R	Q	H	P	L	H	N	L	S	S	A	F	R	V	V	A	E	Q	E	L	G	I	P	R	L	
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UniRef90_F2ULB1	H	S	F	R	P	D	L	I	D	Y	N	D	L	D	P	Q	K	S	I	R	N	L	K	S	A	F	Q	V	I	D	S	T	E	R	G	V	P	Q	L		
UniRef90_G0T1Z8	H	R	R	P	D	L	I	D	Y	D	Q	L	D	P	Q	A	A	H	N	L	A	K	A	F	R	K	V	A	E	E	H	D	H	T	P	Q	L				
UniRef90_M7NUK6	H	K	R	R	P	D	L	I	N	F	H	E	L	D	A	K	D	H	R	K	N	I	S	M	A	F	E	I	A	S	K	Y	I	G	J	P	Q	L			
UniRef90_U6ID61	H	K	R	R	P	D	L	I	D	F	H	S	L	S	L	D	E	P	L	R	N	L	H	I	A	F	T	T	A	E	R	C	F	G	I	P	K	L			
UniRef90_E9G2Y1	H	R	N	R	P	D	L	I	D	W	R	S	L	K	S	N	R	G	I	R	D	L	E	S	A	F	V	I	R	E	Y	G	V	T	R	L					
UniRef90_UP10002BCE312	H	R	R	P	D	L	I	E	F	D	S	L	S	K	D	N	V	F	E	N	R	L	A	F	E	V	A	E	K	G	L	I	P	A	L	D					
UniRef90_V9KKI7	H	T	Y		P	A	H	I	P	F	H	Q	L	G	S	H	D	R	K	R	N	L	T	L	A	F	Q	A	E	S	V	G	I	K	S	V	L				
UniRef90_AOA016S3C8	H	R	F	A	P	N	A	F	D	F	N	K	L	D	A	K	N	R	R	Q	N	F	L	A	F	R	V	V	A	E	E	H	G	I	C	P	L				
UniRef90_UP100046BF8DC	H	R	Y	R	P	D	M	V	D	M	E	R	V	Q	I	S	N	R	E	N	L	R	E	Q	F	E	V	V	A	E	K	Y	G	I	T	P	L				
UniRef90_E9H3B2	H	H	F	R	P	D	L	I	D	F	A	S	L	S	P	E	N	V	H	N	N	L	A	F	T	V	A	E	N	L	I	G	P	A	L						
UniRef90_UP10003C36980	H	H	F		P	D	A	F	D	Y	S	K	L	T	P	Q	N	R	R	E	N	F	L	A	F	T	V	A	E	N	L	I	G	P	A	L					
UniRef90_UP100046B84F0	H	R	N	R	P	D	L	I	D	W	R	N	V	K	S	N	R	G	I	R	D	L	E	S	A	F	V	I	R	E	Y	G	V	T	R	L					
UniRef90_F6YHG8	H	R	H	R	P	D	L	I	D	F	D	S	L	S	K	E	N	V	F	E	N	R	L	A	F	E	V	A	E	K	G	I	P	A	L						
UniRef90_S2JKQ5	H	H	H	R	P	D	L	I	D	F	H	S	L	D	K	S	D	R	H	G	N	T	A	L	E	A	A	K	K	L	N	I	G	P	A	L					
UniRef90_S4RC93	H	R	H	R	P	D	L	I	D	M	K	R	V	A	V	R	A	N	R	E	N	L	E	Q	A	F	T	V	A	E	R	D	M	G	V	I	P	A	L		
UniRef90_V9IBQ0	H	H	F	R	P	D	L	I	D	F	D	N	L	D	K	N	D	V	Y	G	N	N	L	A	F	R	V	V	A	E	Q	H	L	G	I	P	A	L			
UniRef90_AOA0044QXZ3	H	R	Y	R	P	N	L	I	Q	W	S	K	I	Q	G	N	A	R	D	R	L	N	N	N	A	F	A	A	E	S	F	G	V	I	S	R	L				
UniRef90_UP10003C106EE	H	R	K	P	M	L	I	D	M	N	V	K	N	A	D	V	Y	N	L	E	N	L	D	Q	A	F	S	V	A	E	R	D	L	G	V	I	P	A	L		
UniRef90_UP10003297BAB	H	H	F	R	P	D	L	I	E	F	D	K	L	S	D	K	R	N	E	R	L	N	L	A	F	T	T	A	E	K	G	I	P	A	L						
UniRef90_W5NK45	H	R	R	P	D	L	I	D	W	T	C	N	L	D	M	N	R	S	N	R	E	N	L	E	Q	A	F	S	V	A	E	K	Y	G	I	P	A	L			
UniRef90_W2TCN2	H	R	R	P	D	L	I	D	Y	Q	E	S	L	S	S	Q	N	S	R	S	N	L	E	Q	A	F	S	V	A	E	K	Y	G	I	P	A	L				
UniRef90_H3A0Y6	H	R	R	P	D	L	I	D	Y	Q	E	S	L	S	S	P	Q	N	R	E	N	L	E	Q	A	F	S	V	A	E	K	Y	G	I	P	A	L				
UniRef90_V5HWW7	H	T	Y		G	D	I	P	Y	D	S	Q	L	S	P	K	N	R	K	H	N	F	L	A	F	T	A	E	S	V	G	I	P	S	T	L					
UniRef90_L7MBL3	H	H	F	R	P	D	L	I	E	F	E	S	L	R	K	G	D	V	L	A	N	R	N	L	A	F	S	V	A	E	K	Y	G	I	P	V	P	L			
UniRef90_E5S038	H	H	F	P	D	A	F	D	F	N	A	L	S	D	N	R	E	N	L	R	N	L	A	F	S	V	A	E	K	Y	G	G	I	V	P	P	L				
UniRef90_E0VMU3	H	H	F	R	P	E	A	F	D	Y	S	K	L	S	P	N	R	E	N	L	R	N	L	A	F	S	V	A	E	K	Y	G	I	P	A	L					
UniRef90_H2S8J3	H	K	H	Y	R	P	D	L	I	D	M	G	R	V	Y	H	T	Q	N	L	E	N	L	E	Q	A	F	T	V	A	E	R	D	G	V	I	P	A	L		
UniRef90_UP1000440CFD2	H	R	F	P	D	A	F	E	Y	S	T	L	N	P	Y	E	P	R	N	F	Q	L	A	F	D	I	A	A	N	E	V	G	I	P	L	D	V				
UniRef90_H3CUN4	D	H	R	P	D	L	I	D	Y	D	S	L	D	K	N	D	H	R	G	N	M	K	L	A	F	D	I	A	A	N	E	V	G	I	P	L	D	V			
UniRef90_Q5AVH3	H	R	N	R	P	D	L	I	D	W	R	S	L	R	R	P	R	E	R	R	L	E	V	A	E	K	Y	G	I	V	T	R	L	D	G	V					
UniRef90_X1Y948	H	H	F	P	D	E	L	I	D	Y	Q	E	S	L	N	P	Y	N	R	R	L	E	V	A	E	K	Y	G	I	V	T	R	L	D	G	V					
UniRef90_T1IES98	H	H	F	P	D	E	L	I	D	Y	Q	E	S	L	N	P	Y	N	R	R	L	E	V	A	E	K	Y	G	I	V	T	R	L	D	G	V					
UniRef90_UPI0003F05E88	H	H	F	P	D	E	L	I	D	Y	Q	E	S	L	N	P	Y	N	R	R	L	E	V	A	E	K	Y	G	I	V	T	R	L	D	G	V					
UniRef90_V5GA18	H	H	F	P	D	E	L	I	D	Y	Q	E	S	L	N	P	Y	N	R	R	L	E	V	A	E	K	Y	G	I	V	T	R	L	D	G	V					
UniRef90_UP1000																																									

90 100

QUERY	UniRef90_UPI00020359E8	UniRef90_X1WG23	UniRef90_UPI0003C8A592	UniRef90_F1KPV7	UniRef90_UPI0003598806	UniRef90_I1EP23	UniRef90_F1KPH4	UniRef90_F2U4B5	UniRef90_W2SGT5	UniRef90_UPI0002739031	UniRef90_UPI0002B4B1E4	UniRef90_UPI0004408DAC	UniRef90_H2Y434	UniRef90_W6UEB2	UniRef90_C3YBC4	UniRef90_C3XZ42	UniRef90_W8AB01	UniRef90_Q6DF05	UniRef90_U6HK40	UniRef90_UPI0003C26DA7	UniRef90_UPI00038BDE7A	UniRef90_S9R6L9	UniRef90_F2ULB1	UniRef90_G0T1Z8	UniRef90_M7NUK6	UniRef90_U6ID61	UniRef90_E9G2Y1	UniRef90_UPI0002BCE312	UniRef90_V9KKI7	UniRef90_A0A016S3C8	UniRef90_UPI00046BF8DC	UniRef90_E9H3B2	UniRef90_UPI0003C36980	UniRef90_UPI00046B84F0	UniRef90_F6YHG8	UniRef90_S2JKQ5	UniRef90_S4RC93	UniRef90_V9IBQ0	UniRef90_A0A044QXZ3	UniRef90_UPI0003C106EE	UniRef90_UPI0003297BAB	UniRef90_W5NK45	UniRef90_W2TCN2	UniRef90_H3AOY6	UniRef90_V5HWW7	UniRef90_L7MBL3	UniRef90_E5S038	UniRef90_E0VMU3	UniRef90_H2S8J3	UniRef90_UPI000440CFD2	UniRef90_H3CUN4	UniRef90_Q5AVH3	UniRef90_X1Y948	UniRef90_T1ES98	UniRef90_UPI0003F05E88	UniRef90_V5GA18	UniRef90_UPI00034FA24C	UniRef90_L5JMM3	UniRef90_K1RM01	UniRef90_UPI0004625F12	UniRef90_UPI00034F9488	UniRef90_U6IYC0	UniRef90_M3ZJT8	UniRef90_B0EFS2	UniRef90_K1RBC0	UniRef90_I1FDV7	UniRef90_M7BAZ2	UniRef90_G5BCZ7	UniRef90_UPI0003B44925	UniRef90_G3Q7I9	UniRef90_B4JLK8	UniRef90_G6CI26	UniRef90_G3VLT7	UniRef90_T0QBC9	UniRef90_R7U7R1	UniRef90_E9H404	UniRef90_W5UDG7	UniRef90_G3P1X1	UniRef90_UPI0001DE6F47	UniRef90_A0A059EIU9	UniRef90_W1QCS3	UniRef90_H3ATY1	UniRef90_H3B992	UniRef90_I3JY97	UniRef90_V8P219	UniRef90_UPI0003870BFC	UniRef90_C3ZQA4	UniRef90_UPI000440DC92	UniRef90_G3N6E0	UniRef90_E0S976	UniRef90_UPI00035956AD
P E D I S V D H P D E K S I I T Y V V T Y Y H Y F S K M	P E D V F T E N P D E K S I I T Y V V A F Y H Y F S E M	V E D V M V P H P D E K S I M T Y V S L Y Y H Y F S K M	P E D V N M E A P D E K S I I T Y V V S F Y H Y F S K M	P E D V N V D P D E K S I I T Y V V T Y Y H Y F N K M	A E D V D V N R P D E K I V T Y V A S Y Y H Y F A K M	P E D L M V P Y L P D E K S I M T Y L V S Y Y H Y F S R L	A E D V N S H P D E K S I I T Y V S L Y Y H Y F A K M	A E D V L D F P D D K S I M T Y L I A Y Y Q K F A K M	A E D A A V N P D E K S I M T Y V S C F Y H A F R N	A E D V A V P Q P E E R S L M T Y V S L Y Y H Y F S H L	A P D V C V D P D E K S I M T Y V A T F Y Q Y F S K M	V E D C E A A R P D E K S V M T Y V A S Y F H A F S S M	Q E L Q D M A K P D E R A V M T Y V S C F Y H A F S	A E D M V N T R P D E R S V M T Y V A A Y Y H A F A N	P E D V D V P S P D E K S I I T Y V S S L Y D V F P E V	A E D I N T A R P D E K A I M T Y V S C Y Y H A F S G L	A E D V D S A R P D E K S I L T Y V A S Y Y H T F A R M	A E D I S T A K P D E R A I M T Y V S C F Y H A F	P Q D V N V P K P D E R S I M T Y V A S M Y Q M L N K	A E D V V V P N P D E K S I M T Y V S L Y Y H Y F S K	P E D V A S L H P D E R S I M T Y V S L F Y H C F S R L	V E D C D V D R P D E R S I M T Y I A E Y F H A F S T L	P E G T H V C R M D E K S V M A Y Y L A G F Y H Y A S Q L	V E D C G T K R P D E R S I M T Y V A Q F F H A F S S	V E D C D V S K P D E R S V M T Y I A Q Y F H A F S T L	P E D I V V G E P E E K S I I T Y L V I S F Y H Y F	P E D V D T P E D E K S I L T Y I S S L Y D V F P N	P D M V S M S V P D C L S I M T Y V S Q Y Y N H F A S	N E M I R T D R P D W Q S L M Q Y V G Q O I Y R Y F E	V D D M M G D R P D W K C V F T Y V Q C F Y K Q F R	A E D V D V P S P D E K S I V T Y V S S I Y D A F P K V	A E D M V N Y V P D R L S I M T Y L S Q F Y Q A L	V E D M V M K R P D W K C V F V Y V Q S I Y R R F R N	P E D V D T H E I D E K S I I T Y I S S L H E V F P E	P E D M S M K V P D R L S I M T Y L S Q Y Y N H F R N	V E D C D I S K P D E K S V M T Y V A E Y F H A F S	P E D V D V P S P D E K S I I T Y V S S L Y D V I P R M	A E D M S C A V P D R L S I L T Y L S Q F Y Q T F S	A E D V D V D T P D E K S I I T Y V S S L Y N A L P H	V D M A T Y E V P D R L S I I T Y L S Q F Y Q V F	P E D V D V Q S P D E K S V I T Y V S S T L Y D V F P K V	P Q D V D T D H P D E K S I I T Y V S S L Y N A L P H	A D D M A M K V P D W K C I Y T Y I Q S E L Y R C L	V E D D M M G D H P D Y K C I F T Y V Q S F Y R Q L R N	V E D M M M R K P D W K C V F T Y V Q S I Y H R F K N	P E D V D V P H P D E K S I I T Y V S S S L Y D A M P R	A E D M A L P V P D R L S I L T Y V S S Q Y Y N Y F S	P D V R M S E P D W K C V Y T Y I Q E F Y R C L	D D V C D V A K P D E R S L M T Y I A Y W F H A F S Q L	P E D V D T N E P D E K S M I T Y L S S L Y D V F P E	V D D M M M K V P D W K C V F T Y V Q S F Y R R F	T E D M M G N K P D W K C V F T Y V Q S S L Y R H L Q K L	D D M M A T R K P D W K C V F T Y V Q S I Y R R F K	K E M A M S V G E P D K L S M V M V Y L S Q F Y E M F K E	P E D V D V S S P D E K S V I T Y V S S L Y D A F P K V	P E D V N V K T P D D K K S I M M Y L M C F F Q V L P H	P E D I M V E S P D E Q S I V T Y V A Q F L E H F P E L	P E D M D N D V P D R L S I L T Y L S Q F Y Q R L S H	N D M I E S V K P D D R S V I T Y V S C F F H L F S E	V E D M M I L R K P D P M C V F T Y V Q S S L Y N H L R K	V D I N M P R P D E R S V M T Y V A A L Y K V F S S	P D M V A M K V P D K L S V V T Y V S Q Y Y N Y F H N	P E D V N V P K P S E E A V L M Y V S Q L R S S F A E	V E D D M M I K R P D S K C V F T Y V Q S S L Y N H L R R	P E D V D I V N P D E K S I M T Y V A Q F L Q Y S K N V	A E D M A L K I P D R L S I L T Y V S Q Y Y N Y F K	V E D D M M K V P D W K C V F T Y V Q S S L Y R H L Q K L	P E D V D V I N P D E K S I M T Y V A Q F L Q Y S K N V	V E D M L M R K P D P M C V F T Y V Q S S L Y N H L R R	V E D I V D A R P D E K S V I T Y V S E Y Y N K F S S	P E N V D C L K P D E K S I V A Y V S L F Y D R F N K	K E M A S I N E P D K L S M I M Y L S K F Y E L F R	Q D M A N V T E P D K L S M V M Y L T Q F Y E A F K	V E D M L M R K P D P M C V F T Y V Q S S L Y N H L R R	V E D M L M R K P D P M C V F T Y V Q S S L Y N H L R R	V E D I V D A R P D E K S V I T Y V S E Y Y N K F S S	P E N V D C L K P D E K S I V A Y V S L F Y D R F N K	K E M A S I N E P D K L S M I M Y L S K F Y E L F R	F S D V D V P S P D E K S V I T Y V S S I Y D A F P K V	P E D V D V D K P D E K S V M T Y V A Q F L K Y Y P	P E D V N V E Y P D E K S I I T Y V V T Y Y H Y F S Q M	K E M V A E Q E P D K L V M V L Y L S K F Y E K F R N	D E M N S V E P D S L S M V M Y L S Q F Y Q L L R	V E D I A V S S P D E K S I M T Y V S G Y Y R K F K E	I E M A T M T E P D R L D L I T Y L S H F Y Q V F R						

1 10 20 30 40

UniRef90_W5LKF9	S I K Q L L E W C R S K T V G Y E H I N I N N F S S S W I N G M A F C A L V	
UniRef90_Q9BK91	E K T V L T W C K E A T R G Y E R V D V K N F T S S W R D G L A F N A I L	
UniRef90_L8HB33	K S T L L S W C Q R K L D V Y P T V S V E N F D A S F A N G I A F C A L I	
UniRef90_M3ZKZ5	N Q L L T W C Q Q T H G Y R G V A I C D L T T S W K S G L A L C A L I	
UniRef90_F6QZ15	N K L L I W C Q K Q T E G Y G N V T V T N L T S S W K S G L A L C A L I	
UniRef90_G3HJB0	S A K E G L L W C Q R K T A P Y K N V N V Q N F H I S W K D G L A F N A L I	
UniRef90_K7FEY9	A Y E E L L S W C Q T H T A G Y R G V A V D F T R S W T S G L A L C A L I	
UniRef90_R7TSZ2	E K T L L A W C R N T T E G Y P V N I K N F T D S W R D G L A F N A L M	
UniRef90_UPI00045736D0	N A K K A L L K W V Q Y T A G K R A G I E V K D F G P S W R S G F A F H S V I	
UniRef90_H9G5L2	K Q I L L E W C R S K T I G Y Q H V D L Q N F S S S W S D G M A F C A L V	
UniRef90_L7MK47	E K T L L A W C R D V T K G Y I G V D I R N F T T S W I D G L A F N A I I	
UniRef90_J0XI12	T V K N A L L R W C Q I K L A N Y P V Q I T N F S S C W A D G M A F C A L I	
UniRef90_G3WBP9	R K A I R T L L N W V Q R R T R K Y G V A V Q D F A G S W R S G L A F I L A I	
UniRef90_UP10002B8D0F8	K L L S W C Q K M T E G Y P G V E V N D L T S S W R N G L A L C A I V	
UniRef90_UP10004544C9C	S I K Q M L L D W C R A K T R G Y E H V D I Q N F S S S W S D G M A F C A L V	
UniRef90_G3GVG4	R L L T W C Q K Q T E G Y R D V S I T N M T T S F R D G L A F C A I L	
UniRef90_F1QKD2	R S Y P E V N I Q N F T T S W R D G L A F N A L I	
UniRef90_UP10001D611A2	N R L L T W C Q K Q T E G Y R N V I V S D L T T S W K S G L A L C A L I	
UniRef90_W5M950	A R K T L L Q W V S N A L P T D S G I E V V K D F G S S W R D G I A F L A I I	
UniRef90_UP100046C2913	A K T A L L K W V T N A L P K D I G L E V V K D F G P S W R D G L A F L A I V	
UniRef90_A0A023F023	N A K K A L L A W T G N A I T K K Y G I K I S D F G K S W R D G L A F N A I V	
UniRef90_K1RF08	K A L L E W C R V T C A S Y P A V E V V K N M S A S F R D G L A F C A I I	
UniRef90_UP10003B3A4DB	K T G K E A L L M W A Q V R T Q G Y P N I K V N N F T D S W G D G L A F C A I I	
UniRef90_Q54V78	S A K E K L L W S Q Q T S E G Y G G I R C E N F T T C W R D G R L F N A I I	
UniRef90_F7CGH6	E K T L L A W C R N H T Q D Y A G V K V E N F T S S W S D G L A F S A L L	
UniRef90_G6CV96	R K A I K A L L Y W V Q K R T R K Y G V A V Q D F G S S W T S G L A L C A L I	
UniRef90_M3XK45	R L L S W C Q K Q T R G Y R G V V I T D L T S S W R N G L A L C A L I	
UniRef90_H2SUN8	S I K Q K I L Q W C R N K T R G Y E H V D I Q N F S S S W S D G L A F C A I I	
UniRef90_M4A5P3	T P G Q D L L E W C K E V T K E Y P N V K V T N L T T S W R N G M A F C A I I	
UniRef90_G1KG89	I L S W C Q S T T K G Y A G V D V Q D L T T S W K S G L A L C A L I	
UniRef90_T1PPS5	S G K D G L L W V N R S L A D Y P S V V V K N F S S S W A D G M A F C A L I	
UniRef90_H2ZH3	S K R N A L L R W C Q G R V A G Y R G V E V T N F S S S W N D G L A L C A L I	
UniRef90_M4BDW9	S R R N S L L R W C Q S R T Q G Y E N I E I T N F S S S W E D G L A F C A V Y	
UniRef90_W6UQF5	S C S Q S L L E W C Q K V T A G Y R G V R V T N F T T S W R N G L A F C A I I	
UniRef90_UP1000298B806	S G K D G L L W V N R S L S D Y P T V D V R N F S S S W S D G M A F C A I I	
UniRef90_M7AL27	T S S Q S L L E W C Q E V T K D Y K G V K V T N F S T S W R N G L A F C A I I	
UniRef90_H3CCS2	L L E W C R V T C A T Y P D V E I T N M S T S F T D G L A F C A I I	
UniRef90_K3XC10	S V K A M L L E W C R A K T R G Y Q H V D I Q N F S G S W S S G L A F C A I I	
UniRef90_UP1000440D6C1	A K D M L L R W A K A K T K E Y D N V I N I E N F S T S W N N G L A F C A I I	
UniRef90_UP1000329E30C	A K E R L L L W V R R V V Q E Y P D L R C D N F T T S W R D G R L F N A I I	
UniRef90_G1NBD9	N S E K I L L S W V R Q S L K N Y Q D V N V V N F S S S W A D G F A F N A L I	
UniRef90_UP10002658033	L L R W C R V T G Y K R D V H V V D F T T S W R S G L A L C A L I	
UniRef90_S4RJQ3	N S E K I L L S W V R Q S T R P Y S Q V N V L N F T T S W A D G L A F N A V L	
UniRef90_Q6YB7R	E K T L L A W C R K C T H G Y Q R V E V T N F S S S W V D G L A F C A V Y	
UniRef90_UP1000359338C	S K R N S L L R W C Q N R T I G Y S N I E I T N F S S S W V D G L A F C A I I	
UniRef90_T1EIK6	S A R K A L L L W A R E Q C A K A G G I T V Q D F R S S W R S G L A F L A I I	
UniRef90_W5LHB9	S K R N A L L R W C Q E K T K A Y P G I D I T N F S S S W S D G L A L C S L L	
UniRef90_W5MW17	N S E K I L L S W V R Q S T R P Y S Q V N V L N F T T S W A D G L A F N A I I	
UniRef90_H2XME0	M F	
UniRef90_G3VH09	K Q M L L E W T K A M T S E Y E N V E V T N F S S S W N N G M A F C A I I	
UniRef90_T1KNN3	D T L L H W C Q K Q V A L Y D D L Q I E N M S T S W K S G L A L C A I I	
UniRef90_V4ALL7	Q G P R K T L L T W V N S A L P K S S G V D V R D F G A S W R D G I A F F L A I I	
UniRef90_T1JBG6	T S S Q S L L E W C Q E I T K N H K G V K I T N F S T S W R N G L A F C A I I	
UniRef90_W5J614	K A L L K F V Q R R T R K Y G V A V Q D F G R S W R S G L A F F L A I I	
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UniRef90_UP10004572809	L Q D W C R G V C E G Y S D V Q I T D M F S S S F T D G L A F C A I I	
UniRef90_W5MVY1	T P G Q D L L E W C K E V T K D Y S G V K V T N L T T S W R N G M A F C A I I	
UniRef90_F1QV69	A K K T L L K W V I G T V I P K E S N I K V K D F G P S W R D G I A F F L T I I	
UniRef90_E2ADP8	S S S Q S L L E W C Q E V T A Y P G V R V T N F T T S W R N G L A F C A I I	
UniRef90_X1X6E5	R S S K L L G W C Q R Q T E G W A G V D V T D L T V S W K S G L A L C A I I	
UniRef90_UP1000273CA15	S L K R K I L N W C R A V T A E Y D N V D I K D F T K S W K D G L A F N A I I	
UniRef90_UP1000454627E	S A K K A L L M W V R D Q C K K H C S V N V D K F K S S W R S G E V F L A I I	
UniRef90_U6D0D2	R S A K D A L L L W C Q M K T A G Y P E V N I Q N F T T S W R D G L A F N A L I	
UniRef90_S7WBV7	E Q L L S W C K E Q I E G Y G N V K V V D L T A S W R N G L A L C A I I	
UniRef90_UP10003BD156B	S L K R K I L N W C Q S N T A S Y H G I V D I K D F T K S W K D G L A F N A I I	
UniRef90_UP10004432464	S A K K A L L M W V R D Q C K K H C S V N V D K F K S S W R S G E V F L A I I	
UniRef90_UP10004575A08	R S A K D A L L L W C Q M K T A G Y P E V N I Q N F T T S W R D G L A F N A L I	
UniRef90_UP10002036E30	E Q L L S W C K E Q I E G Y G N V K V V D L T A S W R N G L A L C A I I	
UniRef90_V8NMH2	A Y E E L L N W C Q S N T A S Y H G I V D I K D F T K S W K D G L A F N A I I	
UniRef90_UP10003595FE9	P K Q S L L D W A E S V L S K K Y G L D I K D F G K S W K D G V A F N A M I	
UniRef90_V3ZTM9	K K G E K K L L D W C K L V T K G Y K G V K V T N L T T S W R N G M A F C A I I	
UniRef90_V8NTA8	R K A I K A L L T W V I Q R K T R K Y G V A I Q D F T S S W R S G L A F F L A V I	
UniRef90_U6HVY2	K K A L L A W I C R C V S P S Q G L Q I V D F G P S W R D G R A F C A L V	
UniRef90_W5NH18	N S E K I L L S W V R Q S T R S T Y Q V N V L N F T T S W V D G L A F N A I I	
UniRef90_UP10002B42C96	D T L L A W C K E Q T H G Y P N I S M T D M S E S W K N G L A F C A I I	
UniRef90_K2H9Y8	Q A L L Q W C Q K Q N T A G Y K D V N V T N F H Y S W K N G L A F C A I I	
UniRef90_G3VF12	S I K Q M L L D W C R A K T R G Y E H V D I Q N F S S S W S D G M A F C A I I	
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UniRef90_H3ACT2	S S C Q S L L E W C Q E V T K G Y R G V K V T N F T T S W R S G L A F C A I I	
UniRef90_G1N4Y4	K E L L R W C Q D S T D G Y R G V E V I D F T S S W T S G L A L C A I I	
UniRef90_UP100045475EE	S A K E G L L W C Q R K T A P Y K N V N V Q N F H I S W K D G L A F F N A I I	
UniRef90_UP1000359E978	S A T K A L L L W A K E Q C S L H G S V S V T D F K S S W R S G L A F F L A I I	
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UniRef90_V5IC4	Q E P T E D L L T W C Q R V T A G Y G G L K V T N L T T S W R N G M A F C A I I	
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UniRef90_I3J9E4	K T P K Q R L L G W I Q H K V P D L P I T N F S Q D W R D G K A L G A L V	
UniRef90_H2Y429	S A K E G L L W C Q R K T A P Y K N V N V Q N F H I M S W K D G L A F C A I I	
UniRef90_UP10002658D41	K T P K D R L L K W I Q S K P D K S V K N F T K D W N D G T T L G A L V	
UniRef90_UP1000298CC34	UniRef90_A0A016X161	S V E Q V M L R W I N A E V A Q R V N L R V E N M D R D W K D G V M F S A L V
UniRef90_S4RY80	N S E K I L L G W V R Q S T R D Y R P V N V V N F T T S W S D G L A F N A I I	

50 60 70 80

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UniRef90_L8HB33	H R I P H P H L I D L H A L N K D H A V Q N	L S L A F S L A E E E H F G I P P Q L L D	
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UniRef90_F6QZ15	H R F R P E L V D F G S L L K E D D V V G N	N Q L A F D I A E R E F G I S P M T T	
UniRef90_G3HJB0	H R H R P E L I E Y D K L L R K V C F D G	L V L P S E S D G P S A H I G M A C P	
UniRef90_K7FEY9	H R F R P D L L D F E A L L D Q H S P I G N	N Q L A F D I A E R E F G I S P M T T	
UniRef90_R7TSZ2	H K Y H P E Y F D F D S L L S E D I N S R	L Q H A F R V A Y D K L L S I E K L L D	
UniRef90_UPI00045736D0	H A I R P D L T D L E K V K S R S N R E N	L D N A F T I T A E S E L G I P R L L E	
UniRef90_H9G5L2	H A F F P E A F D Y Q A L Q P G T P R K N	L E A A F G A A E K L A G C D R L L E	
UniRef90_L7MK47	H K F R P D L F E Y K Q S L L N K D P N S R	L E H A F Q F A E K Q L G I E R L L D	
UniRef90_J0XI12	H R F V P D S F D F N K L L N P R N R R E N	L E L A F R V A E Q N G I V P L L E V	
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UniRef90_UP10004544C9C	H N F F P E A F D Y A Q L T P Q N R R Q N	F E V A F S S A E T H A D C P Q L L D	
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UniRef90_W5M950	H S F R A D L V D F D S L L N E E D S A R N	N Q L A F D I A E E Q E F G I P P V T T	
UniRef90_UP100046C2913	D A I K K N L V N I A E L K K K A S N R T	E T A F D V A E E N E L G I T R L L D	
UniRef90_A0A023F023	D A I K K G L I D L A L L R R A T N R D R	L E T A F D V A E E R E L L G I A R L L D	
UniRef90_K1RF08	H T I R P D L I D F E N V R R N Q S A R A N	L E Q A F S T A E D H L G I A R L L D	
UniRef90_UP10003B3A4DB	H K H R P D L I D F F S S L L S R G N V Y Q	N K L A F E V A E A K L G I P P P L L D	
UniRef90_Q54V78	H S Y E D E K L F S Y E S S S E N K R D N	L E L A F S H A T K L G V P D L L D	
UniRef90_F7CGH6	H K Y R P D L D L D T V A V Q S N I T N	L E N A F Y V A E K D H L G I T R L L D	
UniRef90_G6CV96	H R F R P E L F R Y N D A L G L S P S E R	L D R V F T L A Q D H L G I D R L L D	
UniRef90_M3XK45	K A I D P S L V D I K K A L E K S P S E N	L E D A F R I A H Y S L G I P R L L E	
UniRef90_H2SUN8	H H Q R P E L I D F D S L L E E D V A E N	N Q L A F D I A E E R E F G I Q P V I R	
UniRef90_M4A5P3	H R F F P D A F D Y S S L L K P E R E K N	F T L A F Q T A E S L A D C C P L L E	
UniRef90_G1KG89	H S Y F P D A F D Y S T L L D P A N R R E	N Q L A F D I A R E K L R I P Q L L E	
UniRef90_T1PPS5	H H F E P S I I D M M S K L L T P H D V V I	G N L A F D V A E Q N L G I S P V M T	
UniRef90_H2ZHW3	H R F R P D L I Q W A E L D Y M D V E A N	N Q L A F D V A E Q N L G I S P V M T	
UniRef90_M4BDW9	H R Y A P T L I D F F S S M D P D K P Q T	N Q L A F D V A E Q N L G I S P V M T	
UniRef90_W6UQF5	H T F L P H L I A P N W V N S M D K Q R R	F E V A F A A A E S Q G I P T T L R L	
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UniRef90_M7AL27	H H F P E N I N Y E T L D P L A I K E N	N K L A Y D G F A S L G I S R V L E P	
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UniRef90_UP1000440D6C1	H H F P E K I I D F D V L Q P H D I K F N	N K K A F D E F A A L G I S R L L E P	
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UniRef90_G1NBD9	H S F F P D A F D Y G S S L E P Q D R Q R	N T T A E E K L L G I V D Q L L E	
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UniRef90_S4RJQ3	H R H R P D L L D M K K V Y Q Q N N Q Q N	L E Q A F S L A E E Q N L R V P R L L D	
UniRef90_Q6YB7R	H S H R P E L F S W S V V Q Q D N A I E R	L D H A F G V A K S L G I D R L L D	
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UniRef90_W5LHB9	H T Y L P S H I P Y N T L S P E N K K E N	L L L A F Q T G Q S V G I T N S L T V	
UniRef90_W5MW17	Y S L R P A V V D L Q K S R T R T N M E N	L E E A F R I A E Q D L H I P R L L E	
UniRef90_H2XME0	H S Y L P A H I P Y K S L E Q Q L Q A K N	F R L A F A A A E S V G I E P T L T T	
UniRef90_G3VH09	H R H K P D L F N W D R V T K M S P I E R	L E H A F F N N A Q K H L G I E K L L D	
UniRef90_T1KNN3	F L S K P D L L D Y R D C S G R S N R D N	E N A F R I G E R D L R I K R V L L Q	
UniRef90_V4ALL7	H H F Y P D S F D F S K L L D P K Q R R A	N F N L A F D K A E E L A D I A P L L D	
UniRef90_T1JBG6	H R Y R P D L I D F H S L N K D L V A Q N	N D L A F Q D R E F G L I S Q V L S	
UniRef90_W5J614	H D A I K T N V I N I A E L K K Y N N R Y	R D N L T A F N V A E S E L G I A R L L D	
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UniRef90_W5MVY1	H S H R P D L I F E W S V L K Q Q S A I E K	L D H A F S T A K Q H L G I E R L L D	
UniRef90_F1QV69	H K H R P D L I D F H S L S K Q H K A G E	M R L A F S V A E R E L G I P A L L D	
UniRef90_E2ADP8	H H F R P D L I D I D S L L P H D V K G N	C K R A F D A G E A L G I P R V I E P	
UniRef90_X1X6E5	D T I Q T N L I D I T T L R N E T N R T R	L E T A F N V A E E Q D L G I A R L L D	
UniRef90_UP1000273CA15	H Y F H P D K I D F A A L D P Q D I K Q N	K Q A F D G F A L G V S R L L D P	
UniRef90_UP1000454627E	H R P T S P C O R D F D S L L D E R N V	E K N Q L A F D I A E K E L L G I S P V M T	
UniRef90_U6D0D2	H R H R P D L L D F D S L L S K D N V F E	N R L A F E V A E K E L L G I P A L L D	
UniRef90_S7WBV7	H H F E P E M V N Y D N L R S S D A D K N	I D S L F N I A D K K L L G I P P K L L D	
UniRef90_UP10003BD156B	S S L R P Q L V D L S L V Q S R S N Q E N	L E Q A F R I A E Q D L H I P R L L D	
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UniRef90_UP10004575A08	H K F R P N L I D F E S S L K E T N V A	N Q L A F D I A E R E F G I P P I M T	
UniRef90_UP10002036E30	H R H R P E L I I E Y D K L L R K D D P V	T N L N N A F E V A E E K Y L L D I P P K M L D	
UniRef90_V8NMH2	H H F R P D L L D F N S L D P N D P I G	N Q L A F D I A E R E F G I P P I M T	
UniRef90_UP10003595FE9	H H N I R P D L V D M D Q I R R Q Q A R I	N E H A F S T A E S E L G I P R L L D	
UniRef90_V3ZTM9	H N F R P D L I D Y S A L A P H D I K T	N K L A F D T A A K L G I P K L I E P	
UniRef90_V8NTA8	H UniRef90_V8NTA8	N Q L A F D T A A K L G I P K L I E P	
UniRef90_U6HVY2	K A I D S S S L V D M K Q A L E K S S R	E N K Q L A F D T A A K L G I P K L I E P	
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UniRef90_G3VF12	H S F H P E A I D F N S L S K D N M E K	N E L A F S T A E K L G V P R L L D	
UniRef90_UP10003DEAC1B	H N F F P E A F D Y G Q L S P Q N R R H	X H A D C P Q L L D	
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UniRef90_G1N4Y4	H H F H P D K V D Y E S L D P Y D I K K	S I E K A F E G F A S L S I P R L L E	
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UniRef90_UP1000359E978	H R H R P E L I I E Y D K L R K V G C R L	G A P S P H A A R Q G P G I G P P A G	
UniRef90_T1EIF7	Q T L R P G L V D L E K A K V R S N K E	N K E A F R I A E L E L N P R L L D	
UniRef90_V5IC4	H R Y R P D L I N Y A S L N E N D T	A K Y L L D G I P P I M T	
UniRef90_D3AW40	H S F H P Q L V D M D S L L S P H D I A	G N C K K A F D A A S Q L G I P P I M T	
UniRef90_I3J9E4	H R Y A P K A I D F Q S L L S P H D I A	G N C K K A F D A A S Q L G I P P I M T	
UniRef90_H2Y429	D S C A P G L L C P D W T W D P V R P	G N C K K A F D A A S Q L G I P P I M T	
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UniRef90_L8HB33	P R D L V D S K P D E L S V S M T Y	V S E F F P H V Y M N
UniRef90_M3ZK25	V E E M S V G E P D S L S M V M Y	L S Q F Y Q L H K E
UniRef90_F6QZ15	K E M A A T E E P D K L S M V L Y	L S K F Y E L F R
UniRef90_G3HJB0	P D I V G T L R P D E K A I M T Y	V S C F Y H A F S
UniRef90_K7FEY9	P E M A S V S E P N Q L G L V T Y	L S Q F Y V T Y
UniRef90_R7TSZ2	P E D V N V D H P D K K S I V M Y	V T C F F Q V L P H
UniRef90_UPI00045736D0	V E D V D V D K P D E K S I M T Y	V A Q F L K H Y P
UniRef90_H9G5L2	V E D M M G R K P D P M C V F T Y	V Q S L Y N H L R R
UniRef90_L7MK47	P E D V N T L H P D K K S V M M Y	V M C F F Q V L
UniRef90_J0X12	D D M L L M D R P D W K C I F T Y	V Q S Q F Y K A F K
UniRef90_G3WBP9	P E D I M V E S P D E Q S I V T Y	V A Q F L E H F P E
UniRef90_UP10002B8D0F8	K E M A E K P E V D H L M M L T Y	I S Q F Y E V F K N
UniRef90_UP10004544C9C	T E D M M G K K P D S K C V F T Y	S Q S L Y N H L R R
UniRef90_G3GVG4	A E D M A L K V P D R L S S I L T Y	V S Q Y Y N Y F
UniRef90_F1QKD2	K E L A S G Q E P D K S S M S I Y	L S K F Y E L F R
UniRef90_UP10001D611A2	P E D V N M E A P D E K S I I T Y	V V S F Y H Y F S K M
UniRef90_W5M950	G K E M A A D R P D K L S M V M Y	L S K F Y E L F
UniRef90_UP100046C2913	P E D V D V P K P D E R S I M T Y	V A Q F L H K Y P E
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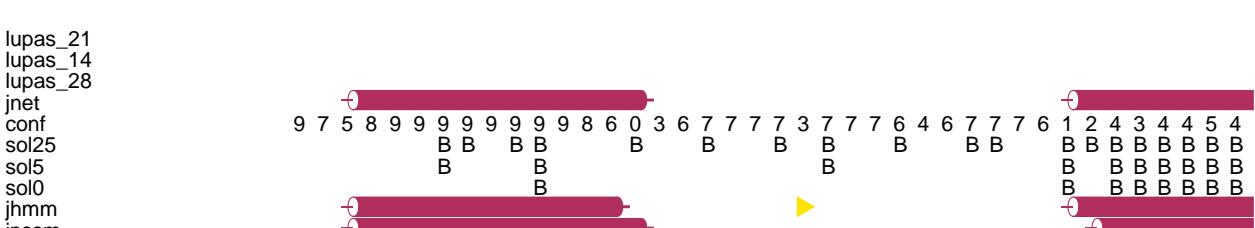
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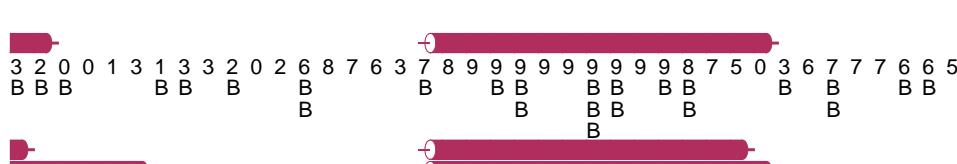
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