

QUERY	T	F	A	I	S	D	G	V	I	P	S	N	E	G	R	G	Y	V	I	R	R	R	L	L	R	R	R	A	M	R	F	G	Y	K	L	G	I	E	N	P	F	L		
UniRef90_UPI00047AC1A5	T	F	A	V	G	D	G	V	I	P	S	N	E	G	R	G	Y	V	I	R	R	R	L	L	R	R	R	A	V	R	Y	G	K	V	L	G	I	E	N	P	F	L		
UniRef90_UPI00037B6907	A	F	A	V	A	D	G	V	I	P	S	N	E	G	R	G	Y	V	I	R	R	R	L	L	R	R	R	A	V	R	Y	G	K	V	L	G	I	E	N	P	F	L		
UniRef90_G4HDM2	A	F	A	V	A	D	G	V	I	P	S	N	E	G	R	G	Y	V	I	R	R	R	L	L	R	R	R	A	V	R	Y	G	K	V	L	G	I	E	N	P	F	L		
UniRef90_K9I9G1	T	F	A	I	G	D	G	A	I	P	S	N	E	G	R	G	Y	V	I	R	R	R	L	L	R	R	R	A	V	M	H	G	K	K	L	G	I	E	N	P	F	L		
UniRef90_U4TQ25	T	F	A	I	G	D	G	A	I	P	S	N	E	G	R	G	Y	V	I	R	R	R	L	L	R	R	R	A	V	L	N	G	K	K	L	G	I	E	N	P	F	L		
UniRef90_UPI00036C4C52	T	F	A	V	G	D	G	V	I	P	S	N	E	G	R	G	Y	V	I	R	R	R	L	L	R	R	R	A	V	R	Y	G	K	V	L	G	I	E	N	P	F	L		
UniRef90_R7R120	T	F	M	I	S	D	G	V	I	P	S	N	E	G	R	G	Y	V	I	R	R	R	L	L	R	R	R	A	V	R	H	G	R	L	L	G	I	E	N	P	F	L		
UniRef90_A1ATU9	T	F	L	I	C	D	G	A	I	P	S	N	E	G	R	G	Y	V	I	R	R	R	L	L	R	R	R	A	V	R	H	A	R	K	M	L	G	I	E	N	P	F	L	
UniRef90_J9HR31	T	F	A	I	G	D	G	V	I	P	S	N	E	G	R	S	Y	I	V	R	R	R	L	L	R	R	R	A	V	R	S	G	R	R	L	G	I	E	N	P	F	L		
UniRef90_B9XID2	S	F	S	I	A	D	G	I	Q	P	G	N	T	D	R	N	Y	V	L	R	R	R	L	L	R	R	R	A	V	K	Y	G	R	T	L	G	F	H	E	P	F	L		
UniRef90_D0LZ22	A	F	L	V	A	D	G	V	I	P	D	K	T	D	K	E	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	H	G	K	L	L	G	I	E	T	D	T	F	L	
UniRef90_P61700	A	F	M	I	T	D	G	I	L	P	S	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	F	G	R	L	L	G	I	E	T	D	T	F	L	
UniRef90_B5ED08	T	F	L	I	C	D	G	V	I	P	S	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	H	A	K	M	L	G	I	E	A	D	P	V	L	
UniRef90_A5D3F4	T	F	A	V	A	D	G	A	L	P	S	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	H	G	R	L	L	G	I	E	A	D	P	V	L	
UniRef90_UPI00046FCEFC	S	F	A	I	A	D	G	A	L	P	S	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	M	H	G	R	N	K	L	G	I	E	N	H	V	F	
UniRef90_Q3A1W0	A	F	L	I	A	D	G	V	I	P	S	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	H	A	K	M	L	G	F	A	D	P	V	L		
UniRef90_B1YJE5	A	F	A	I	G	D	G	A	L	P	S	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	Y	A	K	M	L	G	I	E	N	D	P	F	L	
UniRef90_UPI00021970D6	T	F	A	I	G	D	G	A	L	P	S	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	T	V	N	G	H	E	L	G	I	E	N	D	P	F	L
UniRef90_F7YVZ6	S	F	L	I	A	D	G	V	I	P	S	N	E	E	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	H	G	V	L	L	G	I	E	K	A	T	F	L	
UniRef90_R2PYI8	S	F	A	I	G	D	G	A	L	P	S	N	E	E	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	M	H	G	K	K	L	G	I	E	D	E	A	F	L	
UniRef90_C9LJS4	S	F	S	I	A	D	G	Q	L	P	S	N	A	K	A	G	Y	V	I	R	R	R	L	L	R	R	R	A	V	R	Y	A	Y	T	F	D	Q	L	D	E	A	F	L	
UniRef90_UPI00046686E9	T	F	A	I	G	D	G	A	L	P	G	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	V	N	G	Q	K	L	G	I	E	Q	G	A	F	L	
UniRef90_R6PCR6	S	F	M	L	S	D	G	I	V	P	G	N	E	G	R	N	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	H	H	G	K	M	L	G	I	E	L	P	F	L	
UniRef90_D6TGE6	V	F	L	A	A	D	G	V	I	P	S	N	E	G	R	G	Y	V	I	R	R	R	L	L	R	R	R	A	V	R	H	H	G	K	L	L	G	I	E	L	P	F	L	
UniRef90_UPI000299D3DF	T	F	A	I	G	D	G	A	L	P	S	N	D	G	R	G	Y	V	I	R	R	R	L	L	R	R	R	A	V	M	Y	G	Q	K	L	G	I	E	K	Q	A	F	L	
UniRef90_G0IZE7	S	F	T	I	A	D	G	Q	L	P	S	N	N	K	A	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	Y	Y	Q	T	F	D	L	K	K	P	F	L		
UniRef90_UPI0002D351C9	A	F	A	V	A	D	G	A	L	P	S	N	E	K	A	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	Y	A	K	Q	T	F	N	I	N	K	P	F	L	
UniRef90_Q38YN9	T	F	A	I	G	D	G	A	M	P	A	S	N	E	G	R	G	Y	V	L	R	R	L	L	R	R	R	A	I	L	N	G	K	K	L	G	I	E	N	D	A	F	M	
UniRef90_UPI0004687B89	A	F	A	I	G	D	Q	L	P	S	S	T	E	R	A	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	Y	A	Y	T	F	L	N	K	E	P	F	L		
UniRef90_UPI0001E8998A	T	F	A	V	G	D	G	A	L	P	S	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	Y	A	K	Q	T	F	L	N	K	R	P	F	L	
UniRef90_R6ANM3	S	F	S	I	A	D	G	Q	L	P	S	N	A	K	A	G	Y	V	I	R	R	R	L	L	R	R	R	A	V	R	Y	A	Y	T	F	G	Q	R	R	E	A	F	L	
UniRef90_R7ZL17	A	F	T	I	A	D	G	Q	L	P	S	N	N	K	A	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	Y	A	Y	T	F	G	F	G	R	E	A	F	L	
UniRef90_R5SEG4	S	F	L	I	S	D	G	V	I	P	G	N	E	G	R	S	Y	V	L	R	R	M	L	L	R	R	R	A	V	R	H	G	K	L	L	G	I	E	G	M	P	F	L	
UniRef90_V6J2M5	T	F	A	I	A	D	G	A	L	P	S	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	Y	A	M	D	L	G	L	N	K	P	F	L		
UniRef90_K7AD10	S	F	L	I	T	D	G	V	M	P	S	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	H	A	G	N	K	L	G	A	N	G	V	F		
UniRef90_A0A010ZKH0	A	F	S	I	A	D	G	Q	L	P	S	N	A	K	A	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	Y	A	Y	T	F	D	Q	K	E	A	F	L		
UniRef90_UPI0004788A01	S	F	L	I	V	D	G	V	I	P	S	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	H	G	Y	K	L	G	Q	T	K	P	F	L		
UniRef90_UPI000380C7B3	A	F	L	I	A	D	G	V	I	P	S	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	H	A	R	M	L	G	F	E	A	P	V	L		
UniRef90_Q827S4	V	M	L	I	A	D	G	V	T	P	G	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	N	M	R	L	L	G	A	T	E	A	P	V		
UniRef90_H1XX74	T	F	S	I	A	D	G	G	M	P	S	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	Y	G	R	N	L	N	M	R	E	P	F	L		
UniRef90_Q1LQ59	S	F	L	I	V	D	G	V	I	P	G	N	E	G	R	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	Y	G	Y	K	L	G	Q	K	T	E	P	F	L	
UniRef90_UPI000407BE2B	S	F	T	I	A	D	G	Q	L	P	S	N	N	K	A	G	Y	V	L	R	R	R	L	L	R	R	R	A	V	R	Y	G	Y	T	F	G	F	T	E	P	F	L		
UniRef90_UPI0003825FC3	S	F	L	L	A	D	G	V	I	P	S	N	E	G	R	G	F	V	L	R	R	R	L	L	R	R	R	A	V	C	H	G	R	L	L	G								

QUERY	90	100	110	120
UniRef90_UPI00047AC1A5	WE L T A T V G E I M G S S Y Y P E	L E V E K R R E F F I V K E K	G I V K G E E E E K R R F F H	K T L L E T L L
UniRef90_UPI00037B6907	Y H L V T A T V G D I M G S Y Y S P	D V V T E K K R R E F F I V K E K	V I R T R T E E E E E E E Q F F	H E T L L L
UniRef90_G4HDM2	F T L T G T V G D I M G S Y Y S P	E V V L E K K R R E F F I V K E K	V I R T R T E E E E E E E Q F F	H E T L L L
UniRef90_K9I9G1	Y Q M V P V V G K I M E D S Y Y P E	V V L A D K D F Y I E E K V I K S	E E E E E D R F F F N Q A T E E E E	E T L L L L
UniRef90_U4TQ25	F D L V P V V G E I M K S Y Y P E	P L V A Q K R D F Y I E E K V I K S	E E E E E H I I K G E E E E E E E R	F F H E T L L L
UniRef90_UPI00036C4C52	F S L V K T V G D V M G V Y Y P T	V V Q R D F Y I E E K V I K S E K I	E E E E E R F F F Q H E T L L L L	E T L L L L
UniRef90_R7R120	T K L I A Q T V T D E C K D G Y P E	V E E K K D F I F F N V L I Q E E E E	E E E E E D K R F F S A E T L L L L	E T L L L L
UniRef90_A1ATU9	C H M V D A V R D E M M G A A Y P E	L V E R E K R S Y I K K R V V I L A	E E E E E Q R F F F A E T L L L L	E T L L L L
UniRef90_J9HR31	Y Q L V A V R D E M M G A A Y P E	L V E R E K R S Y I K K R V V I L A	E E E E E Q R F F F A E T L L L L	E T L L L L
UniRef90_B9XID2	Y K L V D V L A E T M G Q V F P E	I R E R K K Q H I V K D V I R S E E	E E E E E A R F F N K A T L L L L	E T L L L L
UniRef90_D0LZ22	H R M C A R V V E E M K D A Y P E	L A R E N S D F V H E I T L E E E E	E E E E E K R F F F N R A T L L L L	E T L L L L
UniRef90_P61700	H K T A L K V V D I M G D D A Y P E	L L R E N S D F V H E I T L E E E E	E E E E E K R F F F N R A T L L L L	E T L L L L
UniRef90_B5ED08	F R I V D A V N M M M G D A Y P E	L L E R E R S H Y V K K V I L A E E	E E E E E E R F F F I E T L L L L	E T L L L L
UniRef90_A5D3F4	H E V S G A V V R Q M G R V Y P E	L V T N R S F H V F F R Q V I R R E	E E E E E E R F F F G H E T L L L L	E T L L L L
UniRef90_UPI00046FCFC	K S I V S V V E Q R I M G G F Y P E	L V T N R S F H V F F R Q V I R R E	E E E E E E R F F F G H E T L L L L	E T L L L L
UniRef90_Q3A1W0	Y R T A T F V L Q S M A E A Y P E	P A Q R A D F Y V A K I V K I E E E	E E E E E E R F F F I Q E T L L L L	E T L L L L
UniRef90_B1YJE5	Y E L V D T V G S V M G D F Y P E	P L E Q K A D F Y I K K K I V K N E	E E E E E E R F F F H E T L L L L	E T L L L L
UniRef90_UPI00021970D6	Y K L V P V I V G K I M Q A Y Y P Q	V L E Q Q D F I E K V I V K N E E E	E E E E E E R F F F H E T L L L L	E T L L L L
UniRef90_F7YVZ6	Y L V N D A V T E A M K D V Y P E	L A E R R Q Q L I L E V T K A N E E	E E E E E E R F F F K E T L L L L	E T L L L L
UniRef90_R2PY18	Y K L V P T V G H I M E S A Y P E	L E Q Q D F I E K V I V K N E E E	E E E E E E R F F F H E T L L L L	E T L L L L
UniRef90_C9LJS4	Y R L V P T L V E I M G E A Y P E	L A Q R D L I T R V M K E E E E E D	S F F L G R E T L L L L	E T L L L L
UniRef90_UPI00046686E9	D Q L V P T V G E I M Q S Y Y P E	L Q Q K D Y I A K V V R S E E E E	E E E E E D R F F F G R E T L L L L	E T L L L L
UniRef90_R6PCR6	Y N I V D T V V D N Y K E A Y P E	L D E N R Q K I K D V L S K L E E E	E E E E E E K F F S Q T T L L L L	E T L L L L
UniRef90_D6TGE6	S I A A D T V I K L M G D Y Y T E	L R T O R R D R I V D V L S L E E E	E E E E E E K F F S Q T T L L L L	E T L L L L
UniRef90_UPI000299D3DF	Y R L V P T V G E I M K A Y Y P E	L E Q Q A D Y I A K V V H L E E E E	E E E E E D R F F F N E T L L L L	E T L L L L
UniRef90_G0IZE7	F N L V A V L A E K F G E F Y P E	L N S E K K S E F I T K V I Q E E E	E E E E E L A F F L R E T L L L L	E T L L L L
UniRef90_UPI0002D351C9	Y E L V P T V A E I M V D F Y P E	V K E K S E F I T K V I Q E E E E	E E E E E L A F F L R E T L L L L	E T L L L L
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UniRef90_UPI0004687B89	Y L L I P T L V E S M G G H Y P E	V L V A Q Q D F I T R V V T K Q E E	E E E E E E S A F F L R E T L L L L	E T L L L L
UniRef90_UPI0001E8998A	Y E L V P V V A E I M V D F Y P E	V K E K Q Q D F I Q R V V K T E E	E E E E E E R F F F H E T L L L L	E T L L L L
UniRef90_R6ANM3	C K L V P T L V H E M G E A F P E	L K A Q Q V L I G R V M Q E E E E	E E E E E S F F L R T L L L L	E T L L L L
UniRef90_R7ZL17	Y K L M P T L A A N F G A V F P E	L A E Q L D F I S K V I L E E E E	E E E E E Q S F F L R T L L L L	E T L L L L
UniRef90_R5SEG4	Y K L V D V V V D N Y G A A Y P D	L V K N K A K I I D V I K K E E E	E E E E E E R F F A K E T L L L L	E T L L L L
UniRef90_V6J2M5	F E L V P V V A S I M R D Y Y K E	V E D K S A F V Q K V I R G V E E	E E E E E E R F F S R T L L L L	E T L L L L
UniRef90_K7AD10	Y K L V G A L A Q E M G D A Y P E	L N E Q R A L I E K V L R V E E E	E E E E E D S F F L R T L L L L	E T L L L L
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UniRef90_UPI000380C7B3	Y K T A I F V L A S M A L A F P D	E A K R S F V I A K V V Q N E E E	E E E E E E L L K T T L L L L	E T L L L L
UniRef90_Q827S4	K D L V D V V I A S M A L Q Q Y P E	L S D R Q R I E T V A L A E E E E	E E E E E A A F L L K T T L L L L	E T L L L L
UniRef90_H1XX74	Y K L V P T V V Q M M G D V Y P E	L R E R Q S E H I M A V I R A E E E	E E E E E E R F F N L T L L L L	E T L L L L
UniRef90_Q1LQ59	H K L V G D L V E A N F G E A Y P E	L A E Q Q S R V V E V I K A E E E	E E E E E E R F F F E T L L L L	E T L L L L
UniRef90_UPI000407BE2B	Y E L S P L I S E A N F G E I F P E	V L Q Q Q D F I A K V I R I E E E	E E E E E A S F L R T L L L L	E T L L L L
UniRef90_UPI0003825FC3	Y K L V D A L V H E M G D H F T E	L K A N Q A N I E Q V I R I E E E	E E E E E E R F F L K T L L L L	E T L L L L
UniRef90_A0L3J9	H K L V E T L G A L M G D T Y P E	L T A Q R K T L A M V I E T E E E	E E E E E K R F F N A A T L L L L	E T L L L L
UniRef90_UPI00032CVZ0	Y E L V P V V G K I M Q S H Y P E	V L E Q Q A D Y I A K V V R S E E	E E E E E D R F F A N E T L L L L	E T L L L L
UniRef90_A4Y931	Y K L V P T L T D V M G D A A K G	L A E T Q V I V E K A L K A E E E	E E E E E E Q F F A R T L L L L	E T L L L L
UniRef90_B9K8T8	Y K V V D A V V E K M G K V Y P E	I A R G K R D M V K E R V L S S E	E E E E E N R F F L K T L L L L	E T L L L L
UniRef90_UPI00026252A9	H K L V A P L V R E M G T A F P E	L A Q A Q R D V V K E R A L E R E	E E E E E A R F F L A T L L L L	E T L L L L
UniRef90_K9ZY85	H S L V A L V V A A M G E A Y P E	L K Q N E A Q V V Q G A I K A E E	E E E E E A R F F L A T L L L L	E T L L L L
UniRef90_E9UR75	P E L L P I S R D K M G S T Y P E	L H T E W D R I K R V I A D A E E	E E E E E S A F F R K T L L L L	E T L L L L
UniRef90_UPI000364DCCA	Y Q L V T V L K E Q M G S T F P E	L V K Q E K L V T E V I K A E E	E E E E E S F L K T I L L L L	E T L L L L
UniRef90_UPI000255A10C	H K L V A P L V K E M G E A Y P E	L A K M Q E Q V E R L L K L E E E	E E E E E Q Q F F A K T L L L L	E T L L L L
UniRef90_W3RFB8	W R L V R V L V R E M G Q A Y P E	L V R A E A L I T E T L K L E E E	E E E E E T R F F R R T L L L L	E T L L L L
UniRef90_UPI000185076F	Y K L V P V V A E I M V D F Y P E	V V K E K I E F I Q K V V K N E E	E E E E E D R F F H E T L L L L	E T L L L L
UniRef90_R8AMY9	Y K L V G T L T A V M G S A A D E	L Q Q Q A L V E K V L R L E E E	E E E E E E Q F F A R T L L L L	E T L L L L
UniRef90_W8Y160	Y R L T E T V G D V M G V Y Y P E	L E A K R E F I S E V I R G E E E	E E E E E E R F F F H R T L L L L	E T L L L L
UniRef90_UPI00022KYW5	P D L L P V V C Q A V M A E S Y P E	L R S E F E R I S E T I Y T E E E	E E E E E E A F F R R T L L L L	E T L L L L
UniRef90_UPI00047BE345	G K L L P A L T S T M G D A Y P E	L K A R Q E L I G K V I H E E E E	E E E E E S F F L R T L L L L	E T L L L L
UniRef90_E3J8Y8	E N L F G V Q S A M G P I Y P E	V D R A A A I T A V A V G E E E	E E E E E L A F L L E T L L L L	E T L L L L
UniRef90_W7YG01	Y K L L P A L M N S M G D A Y P E	L K K Q Q E A I T K V I K E E E	E E E E E E S F F L R T L L L L	E T L L L L
UniRef90_W4L817	Y R M V D M F A G F M G E A Y P E	L R Q Q H Q S F I T K V L L S E E	E E E E E E R F F L N T L L L L	E T L L L L
UniRef90_B3ERX7	Y Q L V S T L A Q V F K N V Y P E	L K Q Q Q S Y I E A Q V I K S E E	E E E E E S F F F A K T L L L L	E T L L L L
UniRef90_UPI000188XYR0	H T L A K T L A D V M G D A Y P Q	L I E K Q A H I E A A I K Q E E	E E E E E M R F F A E T L L L L	E T L L L L
UniRef90_U7VAP1	Y E M V D K V V I E I M E E A Y P E	L R K N I E H I K K V V K I E E	E E E E E E K F F S N T L L L L	E T L L L L
UniRef90_G9WGX5	T Q L V P L V G H I M S S Y Y P E	L A N Q N Q I T P V I K A E E E	E E E E E D R F F D Q T L L L L	E T L L L L
UniRef90_UPI000237D3E6	S G L I P A L I E V M G D A Y P E	L A Q H E L I D K V I Y E E E	E E E E E D S F F L K T L L L L	E T L L L L
UniRef90_R5NT87	Y K L L P V L V I E M G K S Y P E	L E A Q K V L I S K V M K E E E	E E E E E D S F F L R T L L L L	E T L L L L
UniRef90_R9KGC5	T K I A E V I N C S K D G Y P E	L E E K K D F I F K V L L Q E E E	E E E E E E K F F S K E T L L L L	E T L L L L
UniRef90_F214K7	A K L V P L V I A D K M E K H Y P E	L K E K E A I I Q E V V D R E E E	E E E E E K R F F Q E T I L L L L	E T L L L L
UniRef90_Q6AQ16	D R V T K A V C A E M Q N A Y P Q	L V A T A A L L E K V V N N E E	E E E E E E R F F R E T L L L L	E T L L L L
UniRef90_W7YQH2	Y T L T G T V G D V M G V Y Y P E	L D E K R E F I E K V I S T E E E	E E E E E E Q F F S K T L L L L	E T L L L L
UniRef90_UPI00035E14A0	Y K L V Q A L T K E M G E A Y P E	L A D Q Q P V I E K V L R V E E E	E E E E E E Q F F S K T L L L L	E T L L L L
UniRef90_F0GZF7	S S V I E Y V I D S Y K D E Y D E	L V D R K D K I T S V I K K E E E	E E E E E A N F F Q N T I L L L L	E T L L L L
UniRef90_S0NY50	Y K L V P V V G K I M E S Y Y P E	L E K Q A F I E E K V I R T E E E	E E E E E E R F F F H E T L L L L	E T L L L L
UniRef90_V9HCZ3	Y K L V P D L V K E M G D A Y P E	L R E K Q T Q I E E A L K A E E	E E E E E T R F F A Q T L L L L	E T L L L L
UniRef90_F4FUB5	Y K L V P V V G Q T L E S Y Y P D	V L K Q K D Y I A K V V R S E E	E E E E E D R F F N E T L L L L	E T L L L L
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UniRef90_C8PWG2	Y K L V A P L A Q I M G D A Y P Q	L R E Q Q A N I S M Q A I L K S E	E E E E E E E Q F F A K T L L L L	E T L L L L
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UniRef90_I9KZY1	D Q L V P T V G K I M V S H Y P D	V L K N S D Y I E K V V A G E E	E E E E E K R F F N E T L L L L	E T L L L L
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UniRef90_R7HES3	S K L C E T V I E G S K D G Y P E	L D E K R D F I I K V I A E E	E E E E E D K F F N K T I L L L L	E T L L L L
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QUERY UniRef90_UPI00047AC1A5 UniRef90_UPI00037B6907 UniRef90_G4HDM2 UniRef90_K9I9G1 UniRef90_U4TQ25 UniRef90_UPI00036C4C52 UniRef90_R7R120 UniRef90_A1ATU9 UniRef90_J9HR31 UniRef90_B9XID2 UniRef90_D0LZ22 UniRef90_P61700 UniRef90_B5ED08 UniRef90_A5D3F4 UniRef90_UPI00046FCEFC UniRef90_Q3A1W0 UniRef90_B1YJE5 UniRef90_UPI00021970D6 UniRef90_F7YVZ6 UniRef90_R2PYI8 UniRef90_C9LJS4 UniRef90_UPI00046686E9 UniRef90_R6PCR6 UniRef90_D6TGE6 UniRef90_UPI000299D3DF UniRef90_G0IZE7 UniRef90_UPI0002D351C9 UniRef90_Q38YN9 UniRef90_UPI0004687B89 UniRef90_UPI0001E8998A UniRef90_R6ANM3 UniRef90_R7ZL17 UniRef90_R5SEG4 UniRef90_V6J2M5 UniRef90_K7ADI0 UniRef90_A0A010ZKH0 UniRef90_UPI0004788A01 UniRef90_UPI000380C7B3 UniRef90_Q827S4 UniRef90_H1XX74 UniRef90_Q1LQ59 UniRef90_UPI000407BE2B UniRef90_UPI0003825FC3 UniRef90_A0L3J9 UniRef90_UPI00023CVZ0 UniRef90_A4Y931 UniRef90_B9K8T8 UniRef90_UPI00026252A9 UniRef90_K9ZY85 UniRef90_E9UR75 UniRef90_UPI000364DCCA UniRef90_UPI000255A10C UniRef90_W3RFB8 UniRef90_UPI000185076F UniRef90_R8AMY9 UniRef90_W8YI60 UniRef90_UPI00022KYW5 UniRef90_UPI00047BE345 UniRef90_E3J8Y8 UniRef90_W7YG01 UniRef90_W4L817 UniRef90_B3ERX7 UniRef90_L8XYR0 UniRef90_U7VAP1 UniRef90_G9WGX5 UniRef90_UPI000237D3E6 UniRef90_R5NT87 UniRef90_R9KGC5 UniRef90_F2I4K7 UniRef90_Q6AQ16 UniRef90_W7YQH2 UniRef90_UPI00035E14A0 UniRef90_F0GFZ7 UniRef90_S0NY50 UniRef90_V9HCZ3 UniRef90_F4FUB5 UniRef90_R7JNX3 UniRef90_Q8KG04 UniRef90_C4G984 UniRef90_C8PWG2 UniRef90_UPI0003B6A286 UniRef90_I9KZY1 UniRef90_R5Y734 UniRef90_R7HES3 UniRef90_UPI0003631E4D UniRef90_D8G7C7 UniRef90_UPI00047D2828 UniRef90_Q5YTJ9 UniRef90_R6NZS8 UniRef90_W5W5N3 UniRef90_I4D968

K A G M E Y I Q E E V I Q K A L E E G R K T L S G G K E V F T A Y D T Y G F P V D L
S D G L A I L A E L L A K A R A S E E G V S T E I S S G G A D A F F K L Y D T Y G F F P F D L
S D G L A I L A E L S A E A K A K A Q G R Q S V I S S G G A D A F F K L Y D T Y G F F P F D L
T D G L E L L N S T I A D T K A K A D H S K K V L S S G G K D A F F R L Y D T Y G F F P F L E L L
N D G L N I L D G R I A D Q L K K A G Q G K T F S S G G A D A F F K L Y D T Y G F F P F L E L L
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D N G L R I L T E E V E R L K A A N A T V L P S G G D V A F F K L Y D T Y G F F P L E L L L
H D G L R A I L N T V A Q A A K K N N G E H I S S G G E D A F F R L Y D T Y G F F P L E L L L
N D G L R I L N D I I A N T K K D S K K E I S S G G K D A F F R L Y D T Y G F F P L E L L L
V Q G S E L L K E I I A K S K K D V I S S G G E D L F R L Y D T Y G F F P P D I L L
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S T G I E M L Q S H I D E S K K K G S T V L S S G G E I F E L Y D T Y G F F P A D L L L
N D G L A I L S T V I A K A K E D G S T V V V S S G S D A F F R L Y D T Y G F F P L E L L L
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D K G L R L L D Q I K S E L D E A G L R V I S S G G Q A F F L Y D T Y G F F P L D L L L
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E H G M K I L D G A L A G V P A G G Q K L D D G T T L F T L Y D T Y G F F P V D L L L
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U N I R E F 9 0 _ U P I 0 0 0 2 6 2 5 2 A 9 E S G T Q R L D A M L G K L P A D A A I P G E I I F R L A D T Y G F F P V D L L L
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D Q G V E L F E R L V E E L R F K R G S I I S S G E D A F F K L Y D T Y G F F P V I E L L L
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V Q G M E L L N G S H I Q K L K E L N I S E L S D G G A T A F F K L Y D T Y G F F P W E D L L
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UniRef90_E9SVP2	V M L I	A D G V N	P S N E	G R G Y V L
UniRef90_E0UQQ8	V F L L	A D G V N	P S N E	G R G Y V L
UniRef90_UPI00046FF47C	A Y L I	V D G V M	P S N E	G R G Y V L
UniRef90_G4KR20	V M M I	C D G V L	P S N E	G R G Y V L
UniRef90_C7NHC6	L M L I	G D G V V	P S N E	G R G Y V L
UniRef90_A5Z6C2	T F M I	S D G I M	P S N E	G R G Y V L
UniRef90_UPI0003621C2B	C F L V	A D G V L	P S N E	G R G Y V L
UniRef90_UPI000361226E	A F T I	V D G V M	P S N E	G R G Y V L
UniRef90_R6VAL4	T F L I	S D G V M	P S N E	G R G Y V L
UniRef90_C8PCJ4	S F A I	A D G A L	P S N E	G R G Y V L
UniRef90_R5SMX5	T N M I	A D G I L	P S N E	G R G Y V L
UniRef90_W5Y108	M M L I	L D G V T	P S N E	G R G Y V L
UniRef90_Q1GHA1	S F L I	A E G V L	P S N E	G R G Y V L
UniRef90_R6J7R1	T F M I	A D G I L	P S N E	G R G Y V L
UniRef90_B8GQV5	S F L V	A D G V M	P A N E	G R G Y V L
UniRef90_C7PFW1	S F A I	A D G Q L	P S N T	G A G Y V I
UniRef90_Q89I89	A F L V	S D G V L	P S N E	G R G Y V L
UniRef90_R5R947	V M L I	G D G A R	V P S N E	G A G Y V L
UniRef90_E6X0H3	T F L L	A Q D G V	N F D K E	G R G Y V L
UniRef90_A0A022LYU3	L M L I	A D G V S	P S N E	G R G Y V L
UniRef90_UPI00047DAC51	S F L I	A D G V L	P S N E	G R G Y V L
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UniRef90_F2KVG6	A F S I	A D G Q L	P S N A	K A G Y V I
UniRef90_R5HWE3	T F M I	S D G I M	P T N E	G R G Y V L
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UniRef90_D7A1A0	T F L V	A D G V L	P S N E	G R G Y V L
UniRef90_UPI0003B4A68F	L M L I	S D G V V	P G N E	A G G Y V L
UniRef90_S6B205	S F L I	A D G I L	P S N E	G R G Y V L
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UniRef90_R6R3V5	T F A L	S D G A T	F S N E	G R G Y V L
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UniRef90_C0XSS2	M M L I	L D G V T	P S N E	G R G Y V L
UniRef90_C0CIA3	T F M I	S D G I M	P T N E	G R G Y V L
UniRef90_B0PDV5	T F M V	S D G I L	P Q N E	G R G Y V L
UniRef90_L7UJF1	A F L I	A D G V L	P S N E	G R G Y V L
UniRef90_D2Z416	S F M I	A D G I L	P S N D	G Q G Y V L
UniRef90_A5FXC2	S F L I	A D G V L	P S N E	G R G Y V L
UniRef90_W0JIN6	D F L I	A D G V L	P D K E	G R G Y V L
UniRef90_D4L6K8	T F M I	G D G V L	P S N E	G K G Y V L
UniRef90_UPI000379A47F	S F M I	V D G V L	P D N E	G R G Y V L
UniRef90_C3XAD0	S F M I	V D G L I	P G S D	G H G Y V L
UniRef90_C0W1N2	M M L I	N D G V L	P G N D	G R G Y V L
UniRef90_A0A011UQN4	L M L L	S D G V T	P A N E	G R G Y V L
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UniRef90_A4AUE8	A F S I	A D G Q L	P S N T	G A G Y V I
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UniRef90_W0Q7U4	S Y L V	A D G V V	P S N E	G R G Y V L
UniRef90_R9MFN1	T F M I	S D G L L	P S N S	G R G Y V L
UniRef90_F8IOF0	T F A I	G D G A L	P S N E	G R G Y V L
UniRef90_R5V8Y4	T F M I	G D G V M	P S N A	G R G Y V L
UniRef90_UPI00026C695D	L M L V	G D G V R	P G N E	G R G Y V L
UniRef90_UPI00034D8E8C	V H M V	A D G I T	A S N V	G R G Y V L
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UniRef90_UPI00037E3574	A F L I	G D G V L	P S N E	G R G Y V I
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T E D A L R A R G V N V V D V D S F N A A M E R Q R A E A R A S W V W F A V R E E
T L E M A E E A G V S V V D Q G K F T E L M Q E Q R E R A R A K D A K A K K Q A H A
T Q D V C H G V T L D A A A F D I L A M A R Q K E R A R A A G K F K N L E Y D
T A D L A R E R G L T L V D D A A G F D A E M T R Q K E R A R A A S Q F G G A E E L
T Q E I A L E N N K T V N K D E F D E E M K K Q K E R A K A S S Q L I D L M N F
T A D L A R E R G L T L V D D M R G F E H A M A K Q R D R A R A A S R F K I D L Q L
T Q D A L R S S G L H L V D V P G F E A A M K V Q R D R A R A A W V W F E A R D K
T L E M A R E S G L E V D D M D E F N R E M A L Q R R E R A K A D N K A K K Q G N L
T K E I L E E K G R Q V L D D E E G F Q K A M E I Q R K Q R A R E A R E V S N Y M G A
I R E I L A E R K I K L D D E E E F A R Q M Q A Q K Q R A R E A W E D V L A D V
T Q I I L K E H G L D A D D P G F E E E L K K E A E R G K G G D I Y L K L L E K
T R E L C E K G L S V D D E D G F R R E M E V Q R E R A R A S S S K Y A E L L S E
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T L D T A K E Q N T I F V D T J E G F N R H L E T Q R Q K S K S S M N I D L K D S
T R E I L S E K G I K V D V E R F R E L M K E Q K K R S R D A R K N S D A T D L
T A D I A R E R E K V V D E A G F E Q A L E E Q R Q Q S R V A G K F K G K L D V
T A D L C R E R N M T V D E A G F D V A M E K Q R A T A R A S G K F K A L E Y H
T L E M A K E Q G G V D V D E A R F R E L M L E Q R A R A Q D A L A K K A G Q L
T M E I V E E A G L T V D D R D A F D T L M H E Q R A R A K A D S R K R Q L A D A
T E L L A R E K G M E V D M A G F Q E A L Q I Q K D R S R A A T A I D T A V S E
T V E Y A A L D G L E V D D K A A F N E E M T A Q K Q R A R A R K A E T F R G I
T K E I L E E E G L T V D D E A D R F T E C M N I Q K E T A R K A R K T T Y M G A
T S E L L D E K G L T Y D D K E G F E K A Q K E Q R A K S K D A T V Y D E L D A
T Q D A L R E K G R V V D D A D A F Q V E M D E Q R K R A R A A W V F F D I F D K
T A D I A R E R E L T I V D E A G F E T E M A Q R Q R A R A D A G K Y N S I V K V
T L E M A A E A G L T V V D E A G F R S L M S E Q R A R A K A D S R S K K H A H A
T D L T L R E K G Y T Y N V E E F N A E L E K Q K S R G R E S A W T S L V E
V N D I A E K R G I A V V D E E G F N E F M A E Q K K R A K A S A R F T S L L E E
T R E I A E E N G L G V D D E E G F R E K M K E H Q N L A R E D Y Q S K Q K L D K
T A D L A R E R G L D V D M A G F E Q A M N E Q R R A R A A G K F E E L A S Q
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T N D V A R E R N F T L D D E A G F E A E M A A Q R K R A Q A K A D Y N Q T L S S
T A D L A R E R D L T I V D D E E G F E R E M Q A Q K R E R A R A S A Y N S L V K V
T Q D F L R E R K D L S V D D E N Q F N A L M L E S K K I A R A S W K W F E L K E K
T A L T L E E K G Y T L D D E K G F H E A M K E Q K D R S R S A S E I A K V L S D
T V E I A E E T G F T V D D E A G F K A E M K A Q Q V R A R A S S Q K P D L M A F
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U P I 0 0 0 3 B 4 2 C B 1 D V F K P T L I E E A S S E A L L T T K T K V T K E G E N I A S H R V V I A D H V L R T S A
U P I 0 0 0 3 5 C 2 D 1 0 E D H F K T L I E E A S S E A L L T T K T K V T K E G E N I A S H R V V I A D H V L R T S A
C 7 N 4 K 1 D T D V I R G N L I A V G E R L S G K S Y S K Q G D L D L S L R R V I I C A D H S R S S V T
R 8 W 4 3 4 E T D T V F R N L M H H I C A M T A G V T Y Y G S K D E K H N L S L R R V I I A D H I I R R S S V T
D 5 E F 2 1 E E T D L F K P L I K A T A S A L A V A V A D L E E K S L R R V I I A D H I I R R S S C
A 0 Z 8 7 5 E E T D L F Q T L I E E A S G A L T S G K T Y G N A T E G E F F K A S H R V V I A D H V L R R S S A
D 4 Z 3 1 0 D T D T F R A L I E E A A A Q E M S G K T Y G G A S H A D D D T R F R V V I A D H A R T S A
N 6 X 2 9 8 E E T D E V F P V I D C A E Q L T G R R Y Y G G A S F A D D D T R F R V V I A D H A R T S A
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M 9 M A 7 5 D T D V F T P I I F A K I Q Q L T G R A Y T G K D G G L D T A Y R V V A D H I V R T L
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 I A E K I G V D P K E V F K P Q E A L Y V L A D H S R T V
 V S T T K L A D L L E P L E H I Y A I A D H S R T L
 E I A D Q L G V E V G E L R E L L E A I Y A I A D H C R T L
 D T D L F M P I F D A I Q K G T N V G A D D V D G K D M A Y R V L A D H A R T L
 Q T S I F N P I I Q A I E K I T G K N Y K S N S I Q M R N I T D H F I S S
 D V D D V E A A R G D V A E T L G V E L R D L V E P L E N V Y A I A D H S R T L
 E P L E A I Y A V A D H S R C L
 D I D E V A D I E D A I A A E L G V D A E R L T E L V A P L Y A I A D H S R V L
 V D T R A R A R V F Q V L D H S K T I
 D S D L F E P W T E Q L P S L W T L D D T S T R L V C D H L R S A
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 I D V F E P W M T T I P S L W T L D E R S Q R V V D H L R S T
 K E E L T R A A R V F Q V L D H T K T I
 D T D L F S P L L S A L Q K S A R V A V G P D A S V D V A Y R V V D H A R M F
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 E E I K K V R D V F L M I D H A R S L
 I S R S M G V S V K E I E D Q L K N I F D L Y A I L D H T K T I
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 I S E D D Y Y S I I R P M Q A S Y A V A D H M R T L
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 D I D E V E D M R D N I A D K L G V E T E R L H E L M R P L Y A I A D H V R T L
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 E S S L F S P I V N F I D F H F S K K D K K V F W S A A D Y F R A S

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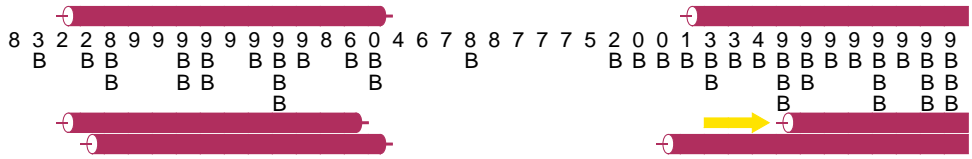
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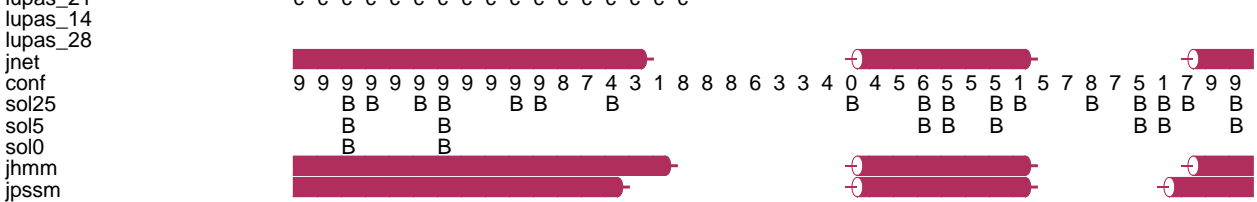
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