

QUERY	T	A	Y	T	V	S	V	D	A	E	H	P	S	T	T	T	G	I	100	A	H	D	R	A	L	A	C	R	M	L	A	A	P	D	A	Q	P	S	H	F	L	120								
UniRef90_C9R9T0	T	A	F	T	V	S	V	D	A	R	G	V	S	T	T	T	G	I	S	A	H	E	R	A	L	A	C	R	M	L	A	A	P	D	A	Q	P	S	H	F	L									
UniRef90_B1I2J8	T	A	F	T	V	S	V	D	A	V	I	G	V	T	T	T	T	G	I	S	A	Y	E	R	A	E	T	V	I	Q	K	L	I	D	P	K	A	T	G	R	K	E	D	F	L					
UniRef90_R1CFA9	T	A	F	T	V	S	V	D	A	K	V	N	T	T	T	T	G	I	S	A	Y	E	R	A	E	T	V	I	Q	K	L	I	D	P	K	A	T	G	R	K	E	D	F	L						
UniRef90_D9RYK5	T	A	F	T	V	S	V	D	Y	V	G	N	N	S	K	T	T	G	I	S	A	Y	E	R	A	E	T	V	I	K	A	L	I	D	P	N	S	T	K	P	Q	D	D	F	L					
UniRef90_I3VSV4	T	A	F	T	V	S	V	D	K	G	K	G	C	K	T	T	G	I	S	A	Y	E	R	A	E	T	V	I	K	M	L	I	D	P	E	Q	T	K	M	P	P	D	D	F	L					
UniRef90_F9YSZ4	T	Q	F	T	V	S	V	D	L	K	V	G	C	N	K	T	T	G	I	S	T	H	E	R	A	K	T	I	L	L	S	L	I	D	P	E	D	T	K	P	P	D	D	F	L					
UniRef90_B2A3U7	T	A	F	T	V	S	V	D	Y	K	D	C	H	T	T	T	G	I	S	A	Y	E	R	A	M	T	V	T	K	L	I	K	E	D	S	T	K	P	P	E	D	D	F	L						
UniRef90_K8E6E6	T	A	F	T	V	S	V	D	A	K	E	C	N	T	T	T	G	I	S	A	V	E	R	A	L	T	V	Q	K	L	I	D	P	P	G	T	K	P	P	E	D	D	F	L						
UniRef90_L8K7L8	T	A	F	T	V	S	V	D	L	L	G	C	N	T	T	T	G	I	S	A	V	E	R	A	L	T	V	Q	K	L	I	D	P	P	G	T	K	P	P	E	D	D	F	L						
UniRef90_M1RET1	T	A	F	C	V	S	V	D	A	H	P	K	H	T	T	T	G	I	S	A	F	D	R	A	K	T	I	K	L	A	I	S	E	P	D	A	K	P	P	E	D	D	F	L						
UniRef90_F8AC97	T	A	F	T	V	S	V	D	E	A	R	H	G	V	T	T	T	G	I	S	T	H	D	R	A	K	T	I	K	V	A	I	D	D	E	P	K	E	T	G	R	P	P	E	D	L				
UniRef90_I4A2A2	T	P	F	T	V	S	V	D	L	A	R	H	G	C	T	T	T	G	I	S	T	H	D	R	A	K	T	I	Q	A	L	V	D	E	P	K	E	T	G	R	P	P	Q	D	L	L				
UniRef90_H1XY00	T	P	F	T	V	S	V	D	A	R	H	G	C	T	T	T	G	I	S	A	Y	D	R	A	K	T	I	R	V	I	D	P	A	T	R	P	P	T	D	L	L	L	L	L						
UniRef90_J0V6M3	T	P	F	T	V	S	V	D	L	I	H	G	C	T	T	T	G	I	S	A	F	D	R	A	K	T	I	Q	K	L	V	D	P	A	T	D	P	P	N	S	D	D	F	L						
UniRef90_A3DBL8	T	A	F	T	V	T	V	D	L	I	H	K	S	T	T	T	G	I	S	A	F	E	R	A	K	T	I	Q	K	L	V	D	P	P	A	K	P	P	D	A	K	H	P	P	D	D	F	L		
UniRef90_B8I3K8	T	A	F	T	V	T	V	D	L	L	H	R	D	S	T	T	T	G	I	S	A	F	E	R	A	K	T	I	V	E	L	T	N	K	K	A	H	P	P	G	D	D	F	L						
UniRef90_E4RZ17	T	A	F	T	V	S	V	D	L	L	H	G	C	T	T	T	G	I	S	A	S	H	E	R	A	K	T	I	Q	A	L	V	D	P	K	A	T	K	P	P	E	D	D	F	L					
UniRef90_UPI00047BBFEB	T	A	F	T	V	S	V	D	L	L	H	G	C	T	T	T	G	I	S	A	S	H	E	R	A	K	T	I	Q	K	T	V	D	N	K	A	K	G	S	P	E	D	D	F	L					
UniRef90_L0F6A8	T	A	F	T	V	S	V	D	G	C	N	C	T	T	T	T	G	I	S	A	F	E	R	A	N	T	V	N	I	L	T	D	P	Q	S	A	R	K	P	P	E	D	D	F	L					
UniRef90_D9QQZ8	T	A	F	T	V	S	V	D	L	I	H	G	C	T	T	T	G	I	S	A	Y	E	R	S	Q	T	I	R	E	V	L	N	P	E	T	K	K	A	S	P	E	D	D	F	L					
UniRef90_UPI000426D74F	T	A	F	T	V	S	V	D	L	I	H	G	C	T	T	T	G	I	S	A	H	E	R	S	K	T	I	Q	A	L	V	D	P	P	E	T	K	A	S	P	E	D	D	F	L					
UniRef90_E4RMQ3	T	A	F	T	V	S	V	D	L	I	H	V	D	V	T	T	T	G	I	S	A	Q	E	R	A	Y	T	I	L	K	M	V	A	E	D	S	E	R	P	P	E	D	D	F	L					
UniRef90_I0ALF3	T	Q	F	T	V	T	V	D	A	I	V	E	G	T	T	T	T	G	I	S	A	A	D	R	A	L	T	I	K	K	L	V	D	D	N	P	E	T	K	P	P	E	D	D	F	L				
UniRef90_F8F8E0	T	A	F	T	V	S	V	D	A	V	E	T	T	T	T	T	T	G	I	S	A	A	E	R	S	R	T	V	Q	K	L	I	D	P	A	T	K	P	H	A	P	P	E	D	D	F	L			
UniRef90_E3PVH5	T	A	F	T	L	S	V	D	Y	K	T	T	H	T	T	T	T	G	I	S	A	H	E	R	A	L	T	I	T	K	L	M	D	D	E	V	S	G	E	D	D	F	L							
UniRef90_Q10WC5	T	A	F	T	V	S	V	D	S	P	E	L	G	V	S	T	T	T	G	I	S	V	E	D	R	A	K	T	I	Q	A	V	I	N	S	Q	T	K	P	P	E	D	D	F	L					
UniRef90_W7YPM9	T	P	F	T	V	S	V	D	L	I	H	G	C	T	T	T	T	G	I	S	A	E	S	D	R	A	K	T	I	L	S	L	C	D	P	Q	T	K	P	P	E	D	D	F	L					
UniRef90_A0A015LV64	T	A	F	T	V	S	V	D	L	I	H	V	D	V	T	T	T	G	I	S	A	F	E	R	S	Q	T	V	K	A	I	I	D	P	R	T	R	P	P	E	D	D	F	L						
UniRef90_UPI000370BB60	T	P	F	T	V	S	V	D	L	I	T	Q	G	C	T	T	T	T	G	I	S	V	A	D	R	A	K	T	I	R	A	L	V	D	P	A	T	K	A	S	P	E	E	L	L					
UniRef90_B3EB73	T	A	F	T	V	S	V	D	E	A	K	R	G	V	T	T	T	T	G	I	S	A	A	D	R	S	H	T	I	L	T	A	V	D	P	N	A	S	A	S	A	D	D	F	L					
UniRef90_B3QZ73	T	N	F	T	V	S	V	D	S	C	L	P	G	V	S	T	T	T	G	I	S	A	H	D	R	A	I	T	V	Q	Q	L	A	N	P	N	S	K	A	S	D	D	F	L						
UniRef90_UPI00039C4498	T	R	F	T	V	S	V	D	L	I	H	G	C	T	T	T	T	T	G	I	S	A	F	D	R	A	K	T	I	R	A	L	V	D	P	N	S	K	A	S	D	D	F	L						
UniRef90_Q7NLY1	T	A	F	T	V	S	V	D	G	P	H	L	G	V	S	T	T	T	T	G	I	S	A	F	D	R	A	K	T	I	Q	A	L	I	D	S	R	T	R	A	G	D	D	F	L					
UniRef90_F4LXQ0	T	A	F	T	V	S	V	D	L	I	H	V	D	V	T	T	T	T	T	G	I	S	A	Y	D	R	A	L	T	A	K	T	L	T	Y	V	K	A	K	P	P	E	D	D	F	L				
UniRef90_F0P0R1	T	N	F	T	V	S	V	D	L	K	G	Y	G	V	S	T	T	T	T	G	I	S	A	E	D	R	S	K	T	I	K	A	L	I	D	D	N	I	D	P	D	D	D	F	L					
UniRef90_U5DMQ9	T	A	F	T	V	S	V	D	A	G	H	L	G	V	T	T	T	T	T	G	I	S	A	E	D	R	A	K	T	I	Q	A	L	I	D	P	T	T	K	P	P	E	D	D	F	L				
UniRef90_K0B336	T	A	F	T	V	S	V	D	A	I	D	T	T	T	T	T	T	T	T	G	I	S	A	H	E	R	S	H	T	I	L	K	V	L	D	S	S	S	T	S	S	D	D	F	L					
UniRef90_UPI000373D597	T	A	F	T	V	S	V	D	L	N	K	G	T	T	T	T	T	T	T	G	I	S	A	A	D	R	S	A	T	L	R	A	L	A	N	P	A	C	T	A	D	N	D	F	L					
UniRef90_D4KDV8	T	A	F	T	V	S	V	D	A	V	I	D	T	T	T	T	T	T	T	T	G	I	S	A	F	E	R	A	L	T	V	E	V	L	I	D	D	N	V	K	P	P	E	D	D	F	L			
UniRef90_A3XMW4	T	A	F	T	V	S	V	D	L	K	G	H	G	V	T	T	T	T	T	T	G	I	S	A	L	D	R	A	K	A	V	K	A	F	T	N	P	D	M	K	P	W	D	D	F	L				
UniRef90_UPI0003803119	T	A	F	T	V	S	V	D	A	P	H	L	G	V	S	T	T	T	T	T	T	G	I	S	A	S	D	R	A	K	A	V	Q	P	Q	T	K	P	P	E	D	D	F	L						
UniRef90_G5H956	T	P	F	T	V	S	V	D	L	L	L	G	E	V	C	T	T	T	T	T	T	G	I	S	A	H	D	R	A	I	R	A	L	V	D	P	P	K	P	P	E	D	D	F	L					
UniRef90_T0MAZ1	T	N	F	T	V	S	V	D	L	L	Q	G	Y	G	C	T	T	T	T	T	T	G	I	S	A	S	D	R	A	K	T	I	K	A	L	I	D	P	N	I	D	P	V	E	L	L				
UniRef90_V2T8P9	T	N	F	T	L	S	V	D	E	A	T	E	G	V	S	T	T	T	T	T	T	G	I	S	A	A	E	R	A	H	T	I	R	T	A	V	A	A	H	A	K	P	P	S	D	I	L			
UniRef90_A5GTP8	T	A	F	T	V	S	V	D	E	A	K	E	A	G	V	S	T	T	T	T	T	T	G	I	S	A	E	D	R	A	R	T	I	Q	V	A	L	H	A	P	Q	S	K	P	P	E	D	D	F	L
UniRef90_D3PD94	T	A	F	T	V	S	V	D	E	A	K	E	A	G	V	S	T	T	T	T	T	T	G	I	S	A	Y	D	R	A	R	T	I	Q	V	A	L	I	D	P	N	T	K	P	P	E	D	D	F	L
UniRef90_G2SIW7	T	A	F	T	V	S	V	D	Y	R	H	E	G	T	T	T	T	T	T	T	T	T	G	I	S	A	A	D	R	A	R	T	I	R	A	L	A	D	P	S	A	R	A	P	E	D	D	F	L	
UniRef90_F4ANY7	T	N	F	T	V	S	V	D	E	A	R	E	G	V	T	T	T	T	T	T	T	T	G	I	S	A	A	D	R	A	R	T	I	L	A	A	V	A	P	S	A	T	A	N	D	D	F	L		
UniRef90_D9SS93	T	A	F	T	V	S	V	D	H	I	D	T	T	T	T	T	T	T	T	T	T	T	G	I	S	A	F	E	R	S	H	T	I	R	K	T	L	E	E											

QUERY	T	I	E	D	M	A	H	V	E	K	T	E	G	K	L		
UniRef90_C9R9T0	T	I	A	D	L	I	S	Y	R	R	R	T	E	K	L	V	
UniRef90_B1I2J8	T	I	A	D	L	I	R	Y	R	R	R	T	E	K	L	V	
UniRef90_R1CFA9	T	I	A	D	L	I	A	Y	R	R	R	K	N	E	S	L	V
UniRef90_D9RYK5	T	I	E	D	L	I	R	Y	R	K	S	R	E	K	L	V	
UniRef90_I3VSV4	S	I	A	D	L	I	E	Y	R	R	R	K	N	E	K	L	V
UniRef90_F9YSZ4	S	I	E	D	L	I	A	Y	R	M	R	K	N	D	S	L	V
UniRef90_B2A3U7	S	I	A	D	L	I	S	Y	R	R	N	S	E	Q	L	V	
UniRef90_K8E6E6	T	I	A	D	L	I	K	Y	R	R	L	H	E	K	F	V	
UniRef90_L8K7L8	S	I	E	D	L	I	Q	Y	R	M	K	Q	G	D	L	V	
UniRef90_M1RET1	T	I	E	D	L	I	K	Y	R	L	R	K	D	R	T	V	
UniRef90_F8AC97	T	I	K	D	L	I	A	Y	R	L	R	N	E	C	L	V	
UniRef90_I4A2A2	S	I	Q	D	L	I	A	Y	R	L	K	N	E	S	L	V	
UniRef90_H1XY00	T	I	A	D	L	I	E	Y	R	R	K	R	E	K	F	V	
UniRef90_J0V6M3	S	I	K	D	L	V	E	Y	R	L	K	K	N	E	S	L	V
UniRef90_A3DBL8	T	I	A	D	L	I	K	Y	R	R	R	N	E	K	L	V	
UniRef90_B8I3K8	T	V	A	G	L	I	E	Y	R	R	K	N	E	K	L	V	
UniRef90_E4RZ17	S	I	K	D	L	I	A	Y	R	L	K	N	E	S	L	V	
UniRef90_UPI00047BBFEB	T	I	A	D	L	I	A	Y	R	R	R	T	E	E	I	V	
UniRef90_L0F6A8	T	I	K	E	L	I	R	F	R	R	K	K	E	K	L	V	
UniRef90_D9QQZ8	T	I	E	D	L	I	K	Y	R	V	K	R	D	K	L	V	
UniRef90_UPI000426D74F	S	I	K	D	L	I	D	Y	R	L	S	S	D	S	L	V	
UniRef90_E4RMQ3	S	I	E	D	L	I	Q	Y	R	K	K	E	D	K	L	V	
UniRef90_I0ALF3	T	V	Q	D	L	I	Q	Y	R	V	R	T	E	K	L	V	
UniRef90_F8F8E0	T	I	Q	D	L	I	A	Y	R	N	R	M	E	K	L	V	
UniRef90_E3PVH5	T	I	A	D	L	I	A	Y	R	R	K	N	E	K	L	V	
UniRef90_Q10WC5	S	I	A	D	L	I	S	Y	R	T	K	H	D	R	F	V	
UniRef90_W7YPM9	T	I	K	D	L	I	A	Y	R	L	K	K	E	S	L	V	
UniRef90_A0A015LV64	T	I	Q	D	L	I	R	Y	R	N	E	K	E	K	L	V	
UniRef90_UPI000370BB60	S	I	A	D	L	I	A	F	R	L	Q	T	E	S	L	V	
UniRef90_B3EB73	T	V	A	D	L	V	A	Y	R	L	K	H	E	Q	L	V	
UniRef90_B3QZ73	T	I	K	D	L	V	A	Y	R	M	Q	R	E	K	L	V	
UniRef90_UPI00039C4498	T	V	A	D	L	I	Q	Y	R	R	R	T	E	K	Y	V	
UniRef90_Q7NLY1	T	I	A	E	I	I	A	Y	R	L	Q	N	E	R	F	V	
UniRef90_F4LXQ0	T	I	E	E	L	I	K	Y	R	K	T	R	E	K	L	V	
UniRef90_F0P0R1	S	I	E	D	L	I	A	Y	R	L	K	N	E	F	L	V	
UniRef90_U5DMQ9	G	I	A	D	L	I	E	Y	R	L	Q	H	D	R	F	V	
UniRef90_K0B336	T	I	A	D	L	I	A	F	R	R	K	T	E	L	L	V	
UniRef90_UPI000373D597	S	I	A	D	L	I	A	Y	R	R	R	N	E	L	L	V	
UniRef90_D4KDV8	T	V	A	Q	L	V	E	Y	R	K	T	T	E	K	M	V	
UniRef90_A3XMW4	S	I	A	D	L	V	A	Y	R	M	Q	H	D	S	L	V	
UniRef90_UPI0003803119	T	I	A	D	L	I	A	Y	R	L	C	H	E	R	F	V	
UniRef90_G5H956	S	I	A	D	L	I	A	Y	R	L	R	N	E	S	L	V	
UniRef90_T0MAZ1	S	I	E	D	L	I	E	Y	R	L	K	H	D	S	L	V	
UniRef90_V2T8P9	T	I	A	D	L	I	H	Y	R	M	T	N	E	Q	T	V	
UniRef90_A5GTP8	S	I	A	D	L	I	R	Y	R	L	E	N	E	R	F	V	
UniRef90_D3PD94	T	V	A	D	L	I	A	Y	R	L	E	H	E	S	L	V	
UniRef90_G2SIW7	T	I	K	D	L	I	A	Y	R	M	R	T	E	R	L	V	
UniRef90_F4ANY7	T	I	A	D	L	I	E	Y	R	N	L	N	E	T	T	V	
UniRef90_D9SS93	T	I	A	D	L	I	A	Y	R	R	Q	K	E	K	L	V	
UniRef90_W2RMJ2	T	I	E	D	L	V	Q	Y	R	K	S	N	E	Q	L	V	
UniRef90_R9C6M2	T	I	D	D	L	V	K	Y	R	Q	K	E	E	L	L	V	
UniRef90_M2Y1D9	S	I	A	D	L	I	R	W	R	R	E	T	E	K	L	V	
UniRef90_UPI00046FFE89	T	I	E	S	L	I	E	Y	R	R	K	H	E	K	L	V	
UniRef90_UPI0002885209	T	I	E	S	L	I	A	Y	R	K	K	R	E	K	L	V	
UniRef90_Q11WK6	S	I	K	D	L	I	E	Y	R	L	T	H	E	S	L	V	
UniRef90_C0N1Q1	T	I	A	D	L	I	A	Y	R	H	R	N	E	Q	L	V	
UniRef90_UPI00037C43A2	S	I	A	D	L	I	R	Y	R	L	R	S	D	R	F	V	
UniRef90_M1Z827	T	I	A	D	L	I	K	Y	R	K	E	R	E	V	L	V	
UniRef90_C3L2U1	T	I	A	D	L	I	E	Y	R	S	K	E	E	K	L	V	
UniRef90_UPI000382641B	T	I	A	D	L	I	A	Y	R	R	Q	T	E	T	L	V	
UniRef90_I3IGZ3	T	I	A	D	L	I	K	Y	R	H	E	Q	E	R	L	V	
UniRef90_R5G3H3	T	I	A	D	L	I	K	Y	R	L	R	T	E	S	L	V	
UniRef90_U5LED6	T	I	K	D	L	I	E	Y	R	L	E	H	D	S	L	V	
UniRef90_M5DUK4	T	I	A	D	L	I	H	Y	R	M	A	N	E	K	T	V	
UniRef90_D8GKC7	T	I	V	D	L	I	A	Y	R	K	K	T	E	K	L	V	
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UniRef90_NOBDR2	T A F T V S I V	E A R E G I S T T G G I	S A A F D R A H H T V I Q T A I K S P E N A K S P S N S V I	A P N A L P S D S I	A P N A L P S D S I
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UniRef90_M1GGM4	T	I	S	D	I	I	R	Y	K	M	K	L	G	K	L	V
UniRef90_E1YIU8	T	I	A	D	L	I	E	Y	R	L	A	N	E	R	F	V
UniRef90_I0HEH7	S	I	A	E	L	V	A	Y	L	S	L	R	Q	Q	G	
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UniRef90_F8AZW2	S	I	A	D	L	V	A	Y	R	R	R	S	E	H	H	V
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UniRef90_H2CD02	T	I	E	D	L	I	R	Y	R	N	R	S	D	S	L	I
UniRef90_M4HQT2	T	I	K	E	L	Q	E	Y	R	K	V	Y	D	Q	L	V
UniRef90_A9NCD3	S	I	Q	D	L	I	T	Y	R	I	N	H	E	T	L	I
UniRef90_U9U2D4	T	I	A	D	L	I	K	Y	R	L	D	N	E			
UniRef90_UPI000404FB79	S	I	A	D	L	I	A	F	R	K	A	S	E	V	L	V
UniRef90_A3UCC1	A	I	A	D	L	I	A	Y	R	R	Q	H	D	R	F	V
UniRef90_B1H010	T	I	G	E	L	V	N	Y	R	R	R	T	E	K	F	I
UniRef90_UPI00037CDEE8	A	I	R	D	L	I	Q	Y	R	S	S	N	E	H	L	I
UniRef90_A5VCV0	T	I	A	D	L	I	A	Y	R	R	R	T	E	R	H	V
UniRef90_C3WZ16	T	I	A	D	L	I	K	Y	R	K	K	T	E	Q	L	M
UniRef90_H6RVK9	S	I	A	D	L	I	A	Y	R	K	R	F	D	K	L	V
UniRef90_D0GMG6	T	I	D	D	L	I	L	Y	R	K	N	N	E	K	L	V
UniRef90_A0A011SGV7	T	I	S	E	L	I	E	Y	R	K	A	H	E	Q	V	I
UniRef90_A0A017HN46	T	I	S	D	L	I	A	Y	R	R	R	H	D	N	L	V
UniRef90_S3E175	T	I	T	D	L	I	E	Y	R	N	N	T	E	T	T	I
UniRef90_Q395X6	T	I	A	D	L	I	H	Y	R	R	E	H	E	S	L	V
UniRef90_E7RU57	T	I	A	D	L	I	A	Y	R	S	A	H	E	S	M	I
UniRef90_C4Z711	T	I	K	A	I	Q	E	Y	R	K	R	H	D	N	L	V
UniRef90_R5JGX2	T	I	A	K	L	T	Q	Y	R	K	E	H	E			
UniRef90_M0RL63	T	I	A	D	L	V	R	Y	R	R	K	R	D	K	L	V
UniRef90_V6J257	T	I	A	D	L	I	H	Y	R	L	S	T	E	Q	T	I
UniRef90_NOBDR2	S	I	E	D	L	I	A	Y	R	L	K	N	E	R	L	V
UniRef90_Q1AZ21	T	V	A	Q	I	I	E	Y	R	L	A	S	D	P	H	V
UniRef90_UPI0003FDD3A6	T	I	A	D	L	V	K	Y	R	K	E	N				
UniRef90_B1MCA4	S	I	A	D	L	I	E	W	R	R	K	H	E	K	H	V
UniRef90_B8KHD2	T	I	A	D	L	I	A	Y	R	S	L	H	E	Q	S	L
UniRef90_S9P6J3	S	V	A	D	I	I	R	Y								
UniRef90_Q2G8A7	T	I	A	D	L	I	E	Y	R	R	S	E	S	L	V	
UniRef90_C1A8F5	T	I	A	Q	L	V	A	Y	R	L	K	N	E	R	L	V
UniRef90_UPI0001FFEDD0	T	I	A	D	L	I	A	Y	R	R	R	F	E	K	H	I
UniRef90_L8P2K1	S	I	E	G	L	I	A	Y	R	R	G	Q	E			
UniRef90_K8WST5	T	I	E	D	L	V	Q	Y	R	L	Q	V	E	K	K	
UniRef90_UPI000479B337	T	V	A	D	L	I	R	Y	R	L	Q	N	E	R	Y	I
UniRef90_UPI00037C95E2	S	I	E	D	L	I	S	Y	R	L	R	R	E	S	F	V
UniRef90_W5WPN7	S	I	E	Q	L	V	E	W	K	R	N	N	T	P	T	I
UniRef90_F2JJC2	T	I	A	D	L	I	T	Y	R	Q	Q	R	E			
UniRef90_Q6AP95	T	V	A	D	L	V	E	Y	R	L	R	Q	D	L	L	V
UniRef90_C8WC91	T	I	R	D	L	I	A	W	R	R	E	H	D	N	N	V
UniRef90_UPI0003ACDF0B	S	I	E	Q	L	A	E	Y	R	R	R	T	E	A	M	V
UniRef90_D7WCL3	S	I	A	Q	L	T	K	Y	R	R	R	T	E	P	M	V
UniRef90_UPI00038170A3	S	I	Q	A	L	I	T	Y	L	Q	K	N	T	S		
UniRef90_I0XA43	T	I	K	A	L	Q	D	Y	L	R	V	N	E	K	H	V
UniRef90_V4PXV9	T	I	A	D	L	T	A	Y	R	R	R	T	E	R	F	V
UniRef90_H8GTE0	S	I	E	A	L	I	A	W	R	R	E	H	D	P	L	
UniRef90_A0A011AH69	T	I	A	D	L	I	A	Y	R	R	R	T	E	R	Q	I
UniRef90_R5ZLP9	T	I	A	D	L	V	K	Y	R	M	R	R	D	S	S	V
UniRef90_UPI00035C764F	T	I	R	D	L	I	A	Y	R	R	R	S	E	T	F	V
UniRef90_A7Z675	T	I	K	D	L	I	E	Y	R	Y	N	T	T	L	V	
UniRef90_A0L119	T	V	A	D	V	I	R	Y	R	M	A	N	E			
UniRef90_W1QKK7	C	I	K	H	L	L	E	Y	M	D	E	K	K	N	L	L
UniRef90_B4UIM3	S	V	A	D	L	I	S	Y	R	M	M	K	D	T	L	V
UniRef90_G2HWC9	Y	I	S	D	L	V	E	Y	R	L	S	H	E	K	L	V
UniRef90_UPI0003724034	T	I	A	D	L	I	H	Y	R	A	S	H	E	T	L	I
UniRef90_V5FWH4	T	I	E	D	L	V	E	Y	V	E	K	T	E	G		
UniRef90_G5GJQ5	T	I	K	E	L	Q	E	Y	R	K	F	F	D	N	L	V
UniRef90_U2K834	T	I	K	D	L	I	A	Y	R	L	R	T	E	S	I	V
UniRef90_F2RQB0	T	I	E	A	L	V	E	Y	L	E	K	T	E	G		
UniRef90_J3NHW6	T	I	E	D	M	I	A	Y	L	N	K	T	E	G	T	V
UniRef90_R5ZB19	T	I	Q	E	L	Q	E	Y	R	K	V	H	E	K	L	V
UniRef90_UPI00047E878A	T	I	A	D	L	T	A	Y	R	R	Q	E	S	L	L	V
UniRef90_E9UV53	S	I	E	D	L	V	T	Y	R	R	R	T	E	V	L	V
UniRef90_UPI0003B3DCC5	T	I	A	D	L	I	R	Y	R	L	H	H	E	H	T	I
UniRef90_UPI0003AA8A6D	S	I	A	D	L	I	A	Y	R	Q	R	R	E	T	L	V
UniRef90_E5Y4B1	A	V	R	D	L	I	R	Y	H	L	R	H	G	Q	L	V
UniRef90_UPI00037EAEF2	T	I	Q	S	L	V	E	Y	R	R	K	H	E	K	L	V
UniRef90_L7UA38	T	I	A	D	L	I	E	Y								
UniRef90_V2GSH8	T	I	A	D	L	I	H	Y	R	S	R	T	E			
UniRef90_K5ZMA3	T	I	A	D	L	I	A	Y	R	R	T	N	E	R	L	V
UniRef90_R7J2A5	S	I	R	D	L	I	H	Y	R	L	E	H	E	R	L	V
UniRef90_G4ZR24	T	I	S	D	L	I	R	Y	R	A	R	T	E	T	L	V
UniRef90_R7YY67	T	I	E	D	L	V	E	Y	V	E	A	K	E	G	K	L
UniRef90_W0IZX8	S	I	A	Q	L	I	E	F	R	S	Q	R	D	Q	L	V
UniRef90_A8TL30	T	I	A	D	L	I	A	H	R	R	R	T	E	S	I	V
UniRef90_A1VEK9	T	I	K	D	L	I	R	Y	R	M	Q					
UniRef90_UPI00036FFE80	T	I	A	D	L	I	A	H	R	R	R	T	E	R	L	V
UniRef90_R9KAT9	T	I	A	D	L	V	R	Y	R	M	D	R	N	S	L	V
UniRef90_W8F764	S	V	Q	D	L	I	K	Y	R	L	E	K	E	S	L	I
UniRef90_D3PRD2	T	I	A	E	L	I	R	Y	R	L						

	1	10	20	30	40																																										
UniRef90_R5NAK4	L	N	T	I	E	E	A	I	A	N	A	D	F	K	E	G	K	F	I	V	V	V	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_D0Z2G2	F	K	R	V	E	E	A	I	A	N	A	D	F	K	E	G	K	F	I	V	V	V	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S		
UniRef90_U2HW77	L	D	S	V	V	Q	T	A	V	A	D	A	D	I	R	A	G	K	A	V	V	V	V	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S	
UniRef90_D2NTM2	L	D	S	V	V	Q	T	A	V	A	D	A	D	I	R	A	G	K	A	V	V	V	V	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S	
UniRef90_UPI0003A28D57	L	S	S	T	A	E	A	I	V	D	E	A	M	A	N	R	G	M	V	V	V	V	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S		
UniRef90_V5SER9	L	S	S	T	A	E	A	I	V	D	E	A	M	A	N	R	G	M	V	V	V	V	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S		
UniRef90_Q5FS94	F	D	S	I	E	E	A	I	E	D	E	I	R	A	G	G	M	V	V	V	V	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_Q8KC35	F	D	S	I	E	E	A	I	E	D	E	I	R	A	G	G	M	V	V	V	V	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_R5B164	L	D	T	I	E	E	A	I	E	D	E	I	R	A	G	G	M	V	V	V	V	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_X1QJT0	L	I	A	S	I	P	E	E	A	I	E	D	E	I	R	A	G	G	M	V	V	V	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S		
UniRef90_R7XWM0	L	I	D	S	V	E	R	A	I	A	D	I	R	A	G	K	A	V	V	V	V	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S		
UniRef90_A0A059FVB2	L	I	S	S	I	D	E	A	I	A	E	A	R	N	G	R	M	F	I	V	V	V	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S		
UniRef90_F4S0B2	L	I	N	T	V	D	E	A	I	A	D	A	F	R	N	G	E	C	L	I	V	V	V	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S		
UniRef90_S2XX90	F	Y	T	V	E	E	A	V	E	A	L	S	K	G	Q	A	I	V	V	V	V	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_A0A024GME5	T	I	E	Q	A	L	T	A	L	A	E	A	R	N	G	E	L	V	V	V	V	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_UPI0002E63394	M	H	T	I	D	E	A	L	T	A	L	A	D	F	R	A	G	G	M	V	V	V	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_A5URX6	L	I	A	S	V	E	T	A	L	A	D	F	Q	A	G	R	F	V	V	V	V	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_H6RKF4	E	A	V	P	H	A	A	L	A	E	A	R	N	G	E	G	M	V	V	V	V	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_E9E0Q5	F	D	S	I	P	Q	D	T	I	E	A	F	R	R	N	G	E	F	I	V	V	V	D	D	D	D	D	P	G	R	E	N	E	N	E	A	D	L	I	L	A	A	E	D	V	T	T
UniRef90_R6TYT7	F	N	T	I	E	E	E	L	L	D	D	I	R	N	G	R	N	I	V	V	V	D	D	A	E	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S				
UniRef90_I4B0V8	V	E	T	A	L	A	H	F	R	A	G	R	M	L	V	T	D	S	E	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S										
UniRef90_A6Q9D7	R	V	E	K	A	I	D	E	I	K	R	A	G	R	M	V	I	M	M	D	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_H0E5P5	F	A	S	I	P	E	A	I	A	E	L	R	A	G	R	M	I	V	V	V	C	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_F4CMI1	D	A	V	V	R	A	L	A	E	F	R	R	G	R	M	V	I	V	V	V	D	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S		
UniRef90_S2L7W7	R	V	E	T	A	L	K	A	M	K	A	G	G	M	V	V	V	V	D	D	D	D	H	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S						
UniRef90_G4RBW5	R	M	K	D	A	I	E	T	L	K	K	S	G	G	M	I	I	M	D	D	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_I2FJ01	S	S	V	E	K	A	I	E	T	L	K	S	G	G	M	I	I	M	D	D	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_UPI000467345B	S	S	V	E	K	A	I	E	T	L	K	S	G	G	M	I	I	M	D	D	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_UPI00022603C2	F	A	P	I	E	S	A	V	K	A	I	R	E	G	R	M	V	I	M	V	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_L0L5V5	F	N	T	I	E	E	A	I	E	D	I	R	A	G	G	M	V	I	V	V	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_T0RAP8	F	N	T	I	E	E	A	I	E	D	I	R	A	G	G	M	V	I	V	V	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_D1B1G6	L	Q	R	V	K	Q	A	I	E	D	I	K	H	G	K	M	V	M	M	V	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_E6MEE4	L	Q	R	V	K	Q	A	I	E	D	I	K	H	G	K	M	V	M	M	V	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_M6ZJS0	L	Q	R	V	K	Q	A	I	E	D	I	K	H	G	K	M	V	M	M	V	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_Q9CGU7	Y	N	K	V	E	E	A	L	A	A	I	K	A	G	E	M	I	V	S	D	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_R5V7A4	Y	H	T	I	E	E	A	L	A	A	I	K	A	G	E	M	I	V	S	D	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_H4F6Q3	L	S	K	I	E	D	A	I	E	A	I	R	A	G	E	M	V	I	V	V	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_Q5HNE3	F	D	T	I	E	L	A	I	E	A	L	R	A	N	G	E	S	I	V	V	V	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
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UniRef90_UPI00036DFB5F	L	D	S	V	E	T	A	L	A	N	I	A	A	G	K	A	V	V	V	V	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_D8KMU3	L	D	S	V	E	T	A	L	A	N	I	A	A	G	K	A	V	V	V	V	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_UPI0003739BB1	E	R	V	E	R	A	V	A	A	L	R	A	G	R	G	M	V	I	M	V	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_L7WVX9	F	D	S	I	E	A	L	K	A	L	K	A	G	E	S	I	V	V	V	D	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_E1ZGD3	F	D	S	I	E	A	L	G	A	V	A	A	G	E	L	V	V	V	V	D	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_Q5A3V6	F	T	P	I	E	E	A	L	A	A	I	K	N	G	E	F	L	V	V	V	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_W3ANC9	Y	A	S	I	E	K	A	L	E	D	L	R	N	G	K	I	L	C	S	D	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_A5V505	L	A	T	I	D	E	I	V	E	E	A	R	N	G	R	M	F	I	L	V	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
UniRef90_W4GL49	S	S	V	E	D	A	L	Q	A	I	R	D	Q	G	K	F	V	V	V	D	D	D	D	D	D	D	D	R	E	N	E	N	E	G	D	I	F	A	E	M	T	L	T	S			
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E L V A F M I R Y T S G Y V I A P L M L S N K R D L K N D R L L P P M M V V A V N N E D D V I R G
L L M G F M V R Y T S G Y V I A P L M L S N K R D L K N D R L L P P M M V V A V N N E D D V I R G
E Q M A F T V R H T S G I V V A P L M T L A A A K E R L R L L D E P P M V V T S N N N D A R P L S
D A I N F M A K K E A R G R G L V V L A L A L E Q A R A K E R L R L L D E P P M V V T S N N N D A R P L S
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A H V I N F M V T Y A R G G L E L I A P L T L K R C H E L L N L D I P P H Q V V R D N T S K M L G S
E L M A F T I R H S S G V L I V L P M P G D M L D E R L L E I L P L M T P H N K R D K L R
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UniRef90_Q8CWF6 K R P G H H M F P L L T A K N A G G V L L E R N G H T T E E A A V D L A A R L L A S N S E P S A Y
UniRef90_D1MLK2 Y K P G H H I F P L L V A K E N G V L L E R N G H T T E E A A V D L A A K L L A G L L A G L L Q P P A A V
UniRef90_UPI0002E7436A H Q P G H H I F P L L J A K E K G G V L L E R A G H T T E E A T I D L A A K L L A G L L A G L L Q P P A A V
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UniRef90_A5F159 A R P G H H V F P L L R A R A G G G V L L A R R G H T T E E G T V D L M Q M A G L L A G L L Q P P A A V
UniRef90_V8D1H8 R R P G H H V F P L L R S R P G G G V L L T R R G H T T E E A T V D L M K L L A A G L L A G L L Q P P A A V
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	170	180	190	200
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UniRef90_U2HW77	I A E E I V S E	K D P T D M A R R L P E L R E F A D T E H D L A L I		
UniRef90_D2NTM2	I A E E V V H D	D G S M M R F D A L R A F A T E H D L P M I		
UniRef90_UPI0003A28D57	I S E L V N D D G T V K	D G S M M R F D A L R A F A T E H D L K M V		
UniRef90_V5SER9	I C C E I M N E D	G T M A R R M P D L L V A F A Q L H G L K V G		
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UniRef90_R5B164	L T E I L N E D	D G T M A R R L P Q L R K K A D E W G L K L V		
UniRef90_X1QJT0	L C E I M N E D	D G S M A R R L P Q L E V M S E H Y G I K L V		
UniRef90_R7XWM0	L V E I V V N D	D G T M K R A P E L L R A F A D E H G L A M I		
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UniRef90_UPI0002E63394	I C C E I M E E	D G T M A R R L P S L Q R L A K Q E N M P I I		
UniRef90_A5URX6	I C C E I M R D	D G A M A R R S D L E R F A A R H G I R I V L		
UniRef90_H6RKF4	I G E I V D E D	G S M R A G E A S L A T F A A E H N L P V L		
UniRef90_E9E0Q5	I A E E L V E D G E P T P G Q P I I T	R A G M M R G E A N I A F A A R K W G L K V C		
UniRef90_R6TYT7	C C E I M R D D	G T M A R T D Y L I E F A K K H K L K I G		
UniRef90_I4B0V8	I C C E I M N	S D G T M A R M P D L M K F A R E H K L P I L		
UniRef90_A6Q9D7	I C C E I I K D	S D G T M A R K D D L E V F S E K Y D M P L V		
UniRef90_H0E5P5	I C C E I V M N D	D G T M A R R V P D L T G F C E A H G L K M V		
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UniRef90_I2FJ01	I C C E I M K K D G T M A G R G D K F	L L D F A K E H N L K L L		
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UniRef90_T0RAP8	I C C E I M D V D G G M E T V P	G L F E L A K K F N L K F I		
UniRef90_D1B1G6	I C C E I V M	K E D G H M A R R D D L D L F C K K H G I N I V		
UniRef90_E6MEE4	C C E I M R D D G E	M M R T Q E L L D F A E A R D L T V I		
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UniRef90_Q9CGU7	C V E I M D E	D G T M M H K E K L K E K A Q E W G L K Y I		
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UniRef90_Q5HNE3	I C C E I M N D	D G T M A K G E D L Q S F K E R H H L K M I		
UniRef90_A0A022LI9	I C C E I V S E D D P T	T M A R T P E L L R R F A D E H G L A M I		
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UniRef90_E1ZGD3	L C C E I V N	P D G T M A R T P Q L L Q F A K T H G L K C I		
UniRef90_Q5A3V6	L C C E L V R D	E D G L M M R L D D C I Q F G K H G I K I		
UniRef90_W3ANC9	I C C E I M	A E D G T M M Q S E E L W E L A D K Y D L S F I		
UniRef90_A5V505	I C C E I M K D	D G T M A R M D D L I G F A R R H G L K I G		
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UniRef90_UPI00039589F7	I C C E V M K D	D G T M A R L P D L L Q L F C A E H G I K I G		
UniRef90_UPI0004696413	I C C E I M N D	D G S M A R R E E L L F A V Q H D I K V G		
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UniRef90_B9KYF8	V C C E I M	S A D G T M A R L P E L L E R F A A E H D I P L V		
UniRef90_X2GR55	I C C E I M G D D G E	D G T M A R V D D L V K Y A A K H K L K M I		
UniRef90_V2YT72	L C C E L V N D L D E	M L R F D D L V K Y A A K H K L K M I		
UniRef90_B6BNK8	I C C E I	D H E G G M M R R D G C R K F A D K W G L K M I		
UniRef90_G9AGU3	I C C E I V A N D D	I K E D G T M A R R D D L D F G E K N N L K T V		
UniRef90_E0XCR2	I C C E V M N E D	G T M A R L P E L L K R F A Q H H A L R L I		
UniRef90_T0SRF8	I C C E I M D E	G S M A R L P E L L K F A R Q H N M K L G		
UniRef90_E6VXJ8	I C C E I M N E	D G S M A K R D S L H K M A Q R F G L K F I		
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UniRef90_R9P1E5	L C C E L V D P D D E	G T M A R L P R L R E F A D E H G L K L V		
UniRef90_UPI0003466216	I C C E V I N D D	E G G I A S R D A C L K F A K K W G L K V T		
UniRef90_R8ASH7	L C C E L T N D D	G S M A R L P D L I D F A A K H S L K I G		
UniRef90_D7V0Y9	I C C E I L N	G S M A R T P E V I E F A R Q H Q M P V L		
UniRef90_C1B7G7	L C C E I V T P D R R	P D G T M A R R A T L E K L A E E W G L M I		
UniRef90_D3QJ42	I C C E I M N D D	E M M R R D L R Q L A A Q H S I P M I		
UniRef90_UPI0003B48BCF	I C C E I I G D D D G E	G S M A K G E Q L E K F K E T H Q L K L I		
UniRef90_W9GA13	I G E L V H D D	M L R G P D L M K F A K K H N L K I I		
UniRef90_I1BK50	I G E I V N D D	G R M M R Y D A V V A L G R E Y G L P V I		
UniRef90_E1VX29	I G E I T K D D G E	E Q G T M A R R D D C F E F A K K H N I K M I		
UniRef90_F4P2I9	L C C E I V L D D G K	M M R L D D L R V F A A E H S L P L I		
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UniRef90_D1MLK2	I C C E I L	D G T M A R Y P A L E T L A K E D W D L T L I		
UniRef90_UPI0002E7436A	I C C E I M N E	K S N G E M A R S K E L H E I A E E Y S L P I I		
UniRef90_B9NP32	I C C E I M N	D G T M A K G E Q L E Q F K A K H Q L K M I		
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UniRef90_A5F159	L C C E L T N	P D G T M A R L P Q I I S F A K E H N L T V L		
UniRef90_V8D1H8	L V E L V N D D	P D G S M A K T P E I I A F G K L H N M P V L		
UniRef90_B1YEJ4	I C C E I	G T M K R G A E L R V F A D A H G L C L V		
UniRef90_K0IX34	I C C E I L N D D	I L E D G T M A R V D D L L T Y K E V H G L K M I		
UniRef90_UPI000370D443	L A E E V V N D D G T V K	G T M A R R P Q L E A L A A E W K M P I I		
UniRef90_S9PPM5	I C C E I V R D	R L P E L L E F A R E H G L K L V		
UniRef90_I3DG80	I C C E I T N D D	E D G L M S R F D D C E K F C S Q W G L K M I		
UniRef90_A6Q2T7	L C C E I M N	G S M A R T P E T I A F G Q Q F G Y P V V		
UniRef90_LOETD4	I C C E L V N D N G T V K E	P D G T M A R R D S L E A F A K K H D L K I L		
UniRef90_T0J0S2	I C C E V M N D D	G K E V F D F A K K H N L K I I		
		G T M A R L P D L V R F S R E H G L P I G		

UniRef90_R5NAK4	A	I	R	D	L	I	A	Y	R	L	K	Q	E	S	M	V
UniRef90_D0Z2G2	T	I	E	D	L	V	A	Y	R	L	N	Q	Q	E	L	V
UniRef90_U2HW77	S	I	E	Q	M	I	Q	W	R	R	R	N	E	M	Q	V
UniRef90_D2NTM2	S	I	E	D	L	I	K	Y								
UniRef90_UPI0003A28D57	S	V	S	D	L	I	A	W	R	Q	R	T	E	K	L	I
UniRef90_V5SER9	T	I	E	D	L	I	A	Y	R	L	Q	H	D	Q	L	V
UniRef90_Q5FS94	S	I	A	D	L	Q	D	W	C	R	E	H				
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UniRef90_R5B164	S	I	R	D	L	I	D	Y	R	L	R					
UniRef90_X1QJT0	T	I	A	D	L	I	A	Y	R	Y	R	H	E	R	L	V
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UniRef90_A0A059FVB2	T	I	E	D	L	I	H	W	R	R	E	N	D	R		
UniRef90_F4S0B2	T	I	E	D	L	Y	H	Y	R	L	K	R	E	N	D	R
UniRef90_S2XX90	T	I	A	E	L	I	A	Y	K	Q	K	H	E	K	L	I
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UniRef90_A5URX6	A	I	A	D	L	I	A	Y	R	R	R	Q	E	R		
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UniRef90_E9E0Q5	T	I	A	D	L	V	E	H	V	E	K	T	E	G	K	L
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UniRef90_I4B0V8	T	I	E	A	L	I	E	Y	R	R	R	S	E	Q	T	V
UniRef90_A6Q9D7	Y	I	S	D	I	V	E	Y	R	L	A	N	E	K	L	V
UniRef90_H0E5P5	S	V	A	A	L	A	R	Y	R	R	R	E	E	Q	H	V
UniRef90_F4CMI1	A	V	A	D	L	V	R	Y	R	R	S	K	E	S	L	V
UniRef90_S2L7W7	T	I	A	D	L	I	Q	Y	R	L	A	T	E	K	T	V
UniRef90_G4RBW5	S	V	A	D	L	I	A	Y	R	Q	R	R	E	K	L	V
UniRef90_I2FJ01	Y	V	S	D	I	L	Q	Y	R	L	N	F	E	N	L	V
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UniRef90_UPI00022603C2	S	I	A	E	L	T	A	W	V	R	Q	H				
UniRef90_L0LSV5	T	I	E	A	L	T	E	Y	C	R	E	L	D	K		
UniRef90_T0RAP8	T	I	K	D	L	V	I	Y	R	K	K	T				
UniRef90_D1B1G6	Y	I	S	D	I	V	A	Y	R	M	Q	S	E	S	L	V
UniRef90_E6MEE4	T	I	A	D	L	I	K	Y	R	V	K	N	D	S	I	V
UniRef90_M6ZJS0	T	I	E	D	L	I	R	Y	R	R	A	K	E	N	L	I
UniRef90_Q9CGU7	T	I	K	A	I	Q	E	Y	L	K	Q	N	E	L	Q	V
UniRef90_R5V7A4	T	I	R	E	L	Q	R	Y	R	R	Q	H	D	Q	F	V
UniRef90_H4F6Q3	T	I	E	D	L	I	A	H	L	Q						
UniRef90_Q5HNE3	T	I	K	S	L	V	A	F	R	K	A	V	E			
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UniRef90_UPI00036DFB5F	T	I	A	D	L	I	A	Y	R	R	R	A	E	K	Q	V
UniRef90_D8KMU3	S	I	D	Q	M	I	E	W	R	T	K	H	D			
UniRef90_UPI0003739BB1	T	V	D	D	L	V	A	Y	R	R	Q	H	E	T		
UniRef90_L7WVX9	T	I	E	S	L	I	E	Y	R	Q	V	N	E	S	H	V
UniRef90_E1ZGD3	T	I	A	D	L	V	R	Y	R	L	K	Y	D	P	L	V
UniRef90_Q5A3V6	N	I	N	Q	L	V	E	Y	I	S	K					
UniRef90_W3ANC9	T	I	K	D	L	Q	T	Y	I	R	I	N	E	K	H	V
UniRef90_A5V505	T	I	R	D	L	I	A	Y	R	L	R	R	D			
UniRef90_W4GL49	T	I	S	D	L	I	R	Y	R	F	S	R	E	T	V	V
UniRef90_UPI0002D9E437	T	I	E	D	L	Q	K	Y	M	K	K	H				
UniRef90_D7CR08	T	I	A	D	L	I	A	Y	R	L	G	H	D	S	F	V
UniRef90_F2NXG5	T	I	A	D	L	I	E	Y	R	K	S	T	E	K	F	I
UniRef90_UPI00036709A8	T	I	S	D	L	I	A	Y	R	L	R	T	D	S	L	V
UniRef90_F0GWQ0	T	V	K	E	I	Q	E	Y	R	K	N	L	E			
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UniRef90_UPI000373F834 T A Y A V T T V D A K A H H G G L T T T T G G I V S A A Q D R A T T I R T A I A D P D G A S T A S D F
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UniRef90_W4K0K8 T A Y T V T V T D A R E H H G G L T T T T G G I V S A A H D R A L T T A R A I A A P D A S S T P A D F
UniRef90_M2XUM0 T A Y T V T T C D A R E H H G G L T T T T G G I V S A A E D R A L T A R V L A S A S S T A S D F
UniRef90_U7QIH6 T A F T T V T V D A R H H G G L T T T T G G I V S A A Q Q R A R T V R A L A N A S S N M G A S D F
UniRef90_I0WKR3 T A F T T V S I E A A E H H G G V T T T G G I V S A A Q A R A N T V R A L A N D P D C L P G A L L
UniRef90_H5Y4L3 T P F T T I S I E A A E H H G G V T T T G G I V S A A A D R V T T V K A A I A D D Q A R P E D L L
UniRef90_D4ZF24 T A F T T V S I E A A K V G G L T T T G G I V S A A A D R A T T I K A A T A D P D N A V A P E D L L
UniRef90_UPI000470D499 T A F T T V S I E A T V G G L T T T T G G I V S A A A D R A T T I Q L A G H P D A R A P E D L L
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UniRef90_U7D6U4 T A F T T V S I E A R E H H G G L T T T T G G I V S A A E D R A T T I L A L S D P N S T H A D F
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UniRef90_UPI0001FFE7A5 T A F T T V T V D H H V D T T G T T G G I V S A D A R S A R T C R A L A N P A T T T G D L L
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UniRef90_H4GJP6 T A F T L S V D H H R T T T T G G I V S A Y D R A A T I K A L A D P Q S Q P A D F
UniRef90_D1CIT3 T A F G V P V D A A S G I T T T G G I V S A Y D R A H T I R L L A D P S S T P A D F
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UniRef90_C4K8P2	H	R	P	G	H	V	F	P	L	K	G	H	P	K	G	V	L	G	R	S	G	G	H	T	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V		
UniRef90_S5RPS5	V	Q	P	G	H	V	F	P	L	Q	A	K	K	G	G	V	L	G	R	S	G	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_F0XGB8	R	R	P	G	H	V	F	P	L	Q	A	K	K	G	G	V	L	G	R	S	G	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_F9Y8Y2	V	S	P	G	H	V	F	P	L	Q	A	K	K	G	G	V	L	G	R	S	G	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_UPI0003B3754B	R	R	P	G	H	M	F	P	L	V	A	R	A	D	G	G	V	L	A	R	P	G	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_C4LDD2	N	R	P	G	H	V	F	P	L	R	A	R	A	P	G	G	V	L	T	R	R	K	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_UPI000373F834	S	R	P	G	H	V	V	P	L	R	A	R	A	P	G	G	V	L	T	R	R	K	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_UPI0002D9C478	T	R	P	G	H	L	F	P	L	J	A	Q	D	D	G	G	V	L	A	R	D	G	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_D0LW49	V	S	P	G	H	L	F	P	L	K	A	R	T	P	G	G	V	L	V	T	R	R	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_W4K0K8	T	R	P	G	H	L	V	P	L	K	A	R	T	P	G	G	V	L	V	T	R	R	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_M2XUM0	T	R	P	G	H	V	L	P	L	R	A	A	A	D	G	G	V	L	E	R	R	S	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_J7QIH6	V	R	P	G	H	V	F	P	L	T	A	K	E	D	G	G	V	L	M	R	A	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_I0WKR3	R	R	P	G	H	V	F	P	L	R	A	R	E	D	G	G	V	L	M	R	A	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_H5Y4L3	R	R	P	G	H	M	F	P	L	K	A	K	P	G	G	V	L	E	R	P	G	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_D4ZF24	A	R	P	G	H	V	F	P	L	R	A	R	A	P	G	G	V	L	T	R	R	K	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_UPI000470D499	S	T	P	G	H	L	F	P	L	R	A	H	P	E	G	G	V	L	V	A	R	D	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_E4SYT5	F	K	P	G	H	C	F	P	L	V	A	K	D	G	G	V	L	A	E	R	N	G	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_U7D6U4	V	T	P	G	H	M	F	P	L	K	A	K	D	G	G	V	L	Q	R	A	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V		
UniRef90_UPI00035E4894	S	T	P	G	H	V	F	P	L	V	A	K	T	N	G	V	L	A	R	R	A	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_P16448	A	R	P	G	H	V	F	P	L	V	A	K	T	N	G	V	L	A	R	R	A	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_A5DHJ1	I	K	P	G	H	I	L	P	L	R	A	V	P	G	L	K	K	R	R	R	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V		
UniRef90_V2TVS0	S	R	P	G	H	V	F	P	L	R	A	R	E	G	G	V	L	L	S	R	R	R	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_UPI0001FFE7A5	R	R	P	G	H	V	F	P	L	R	A	R	D	G	G	V	L	V	R	A	T	A	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_I4X775	K	R	P	G	H	V	F	P	L	V	A	K	D	G	G	V	L	D	R	T	A	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_D3HCD1	H	R	P	G	H	M	F	P	L	V	G	R	D	G	G	V	L	Q	R	L	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V		
UniRef90_F9S6Z4	A	R	P	G	H	V	F	P	L	R	A	R	D	G	G	V	L	T	R	R	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V		
UniRef90_A0A059LN23	R	R	P	G	H	I	F	P	L	R	A	R	P	G	G	V	L	E	R	R	A	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_M3CHJ7	R	R	P	G	H	V	V	P	L	Q	A	R	E	G	G	V	L	R	V	R	A	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_Q05SZ4	R	R	P	G	H	I	F	P	L	R	A	R	Q	G	G	V	L	K	R	A	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V		
UniRef90_H6RJM9	V	R	P	G	H	V	F	P	L	R	Y	Q	P	G	G	V	L	C	R	P	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V		
UniRef90_UPI0003FCC08E	N	R	P	G	H	V	F	P	L	V	A	K	D	G	G	V	L	A	E	R	N	G	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_UPI000262AEEE	R	R	P	G	H	V	L	P	L	R	A	V	D	G	G	V	L	R	A	R	D	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_D3DYM1	H	H	P	G	H	V	F	P	L	R	A	R	P	G	G	V	L	E	E	R	A	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_UPI00041A7722	R	R	P	G	H	M	F	P	L	V	A	K	K	P	G	G	V	I	E	R	P	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_D5GB48	R	S	P	G	H	M	F	P	L	R	A	V	E	G	G	V	L	V	R	K	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V		
UniRef90_A0A024QHR1	K	Q	P	G	H	V	F	P	L	T	A	K	E	D	G	G	V	L	T	R	P	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_F5XQP4	T	L	P	G	H	V	F	P	L	R	A	R	R	G	G	V	L	A	R	P	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V		
UniRef90_UPI00036E40E0	K	R	P	G	H	I	L	P	L	R	A	V	D	G	G	V	L	R	E	R	A	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_UPI000345C717	N	K	P	G	H	L	F	P	L	T	A	Q	D	D	G	G	V	L	E	R	R	E	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_C7LPD7	H	R	P	G	H	L	F	P	L	T	A	R	R	P	G	G	V	L	E	R	R	E	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_R5SWD6	K	R	P	G	H	M	F	P	L	R	A	K	P	W	G	V	L	A	R	P	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V		
UniRef90_UPI00040D9628	T	R	P	G	H	I	F	P	L	R	A	V	P	G	G	V	L	R	Q	R	A	P	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_UPI0004419240	V	S	P	G	H	I	F	P	L	R	A	N	Q	P	G	G	V	L	A	R	A	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_F4H9Y6	H	R	P	G	H	I	F	P	L	M	A	N	D	K	G	V	L	G	R	A	R	A	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_K1ZGV9	G	M	P	G	H	I	E	P	L	Q	A	R	K	G	G	V	L	E	E	R	A	R	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_D4H9F8	V	R	P	G	H	V	L	P	L	Q	A	R	A	G	G	V	L	E	E	R	A	R	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V
UniRef90_D2R1R5	V	R	P	G	H	V	H	P	L	J	A	K	E	G	G	V	L	R	R	A	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V		
UniRef90_Q6FQB7	L	K	P	G	H	I	C	P	L	R	A	K	D	G	G	V	L	T	R	Q	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V		
UniRef90_C6XHT9	V	R	P	G	H	I	F	P	L	T	I	S	R	D	G	G	V	L	T	R	P	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V	
UniRef90_F2TVP0	S	R	P	G	H	L	F	P	L	V	A	R	D	G	G	V	L	V	R	N	G	H	T	E	E	A	A	G	A	D	L	L	A	R	L	L	A	G	L	K	P	A	G	V		
UniRef90_Q5B1T3	R	R	P	G	H	I																																								

	170	180	190	200
UniRef90_C4K8P2	L C E L T N D	NGT M A R A P E V I A F A K K H K M T V L		
UniRef90_S5RPS5	I C E I L N D	D G T M A R R L P D G L I K F S K L H N N I K I G		
UniRef90_F0XGB8	I S E L V D D G D A V P G Q A I R T	G S D M L R A D D G C I A F A A R T W G L K A C		
UniRef90_F9Y8Y2	I C E I M R D D G Q	M A R A D D L L Q A F A A R R H D L P I I		
UniRef90_UPI0003B3754B	C C E I M	S E D G T M M R R A E L L E K F A A K E E E L T M I		
UniRef90_C4LDD2	L C E E I M S E D	G S M A R R L P G I V E F A N K Q H N M P V L		
UniRef90_UPI000373F834	L C E L T S E D N P V E	M A R G P L E Q R F A E A K H H D L R M I		
UniRef90_UPI0002D9C478	I A E I V H D	D G S M M R F A A L A E F A R E E H G L A I V		
UniRef90_D0LW49	I C E I M R D D G E	M A R R M P D L E R F A S E E H G V A I V		
UniRef90_W4K0K8	I C E I V N D D	E Q G S M S R R D E C R A F A D R W G V K M I		
UniRef90_M2XUM0	I A E I V H D D	G S M Q R L P D L R E F A S R H G L P L I		
UniRef90_J7QIH6	I C E L A N D D G T V	M T G R Q I L E E F A R A H N L K L V		
UniRef90_I0WKR3	I S E L V D E S G E	M L R G V J A L T A F A K E H S L P V V		
UniRef90_H5Y4L3	L C E L T N	P D G T M A R R L P E I V A F A E K N E M P V V		
UniRef90_D4ZF24	L C E E I T N	P D D G T M A R R L P E I I Q F G E A K H H L P V L		
UniRef90_UPI000470D499	I C C E V M	S A D G T M A R R L P E L L Q G F A A R H D L P V I		
UniRef90_E4SYT5	I C C E I L	K E D G H M A R R R P E L L E E I A K E Y D L P Y F		
UniRef90_U7D6U4	I C C E I M N E D	G T M A R R R P E L L D E F S H T H S I N I I		
UniRef90_UPI00035E4894	I C C E I M N	T D G S M A K G R H L F N Y A K K F N L P I A		
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UniRef90_A5DHJ1	L C E L V R D	E D G L M Q R L P D C Q K F A K E H N L K I I		
UniRef90_V2TVS0	L C E L T N	P D G S M A S G I Q V L A Y A Q T H N L T V I		
UniRef90_UPI0001FFE7A5	I S E L V	A A D G D M L R G S A L A A F A T E H D L P V L		
UniRef90_I4X775	I C C E I M N	P D G T M A R R V D D L L K V A E R L G L G L L		
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UniRef90_Q05SZ4	I C E I T Q N Q	D G S M A R R L P Q L R D Y A D Q W N L L I		
UniRef90_H6RJM9	L S E V V G	S N G A M A R R P E L L R T L A E K S G L C M I		
UniRef90_UPI0003FCC08E	I C E I M N D	D G T M A R V D D L L Q I Y K E Q H K M I		
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UniRef90_D3DYM1	L C E I T L	P N G T M A R R M P D V I E F S A E H D M P V V		
UniRef90_UPI00041A7722	C C E I M A D D G N	M M R G D A L R K L A K D M G I T F I		
UniRef90_D5GB48	I C C E L V R E	R D G L M M R R D D C L E F G R K W G L K V C		
UniRef90_A0A024QHR1	I C C E I I N E	D G T M A R V P D L E K M A D K F Q L C M I		
UniRef90_F5XQP4	I A E V V N D	D G S M M R A P G L R Q L A D D H D L P I I		
UniRef90_UPI00036E40E0	I G E V V	A E D G S M M R L P G L Q E L G A E Y G I P V I		
UniRef90_UPI000345C717	L C C E I M N D D	G T M A K G E S L E T F K E T H D L V M I		
UniRef90_C7LPD7	L C C E I T N E D	G T M A R M P Q I Q I E F G K R H D L P V V		
UniRef90_R5SWD6	C C C E I M D A G	G A M S D K K S L F K L A K E K G L K I G		
UniRef90_UPI00040D9628	I A E V V H D	D G T M M R L P A L R A F A D E H G C P L V		
UniRef90_UPI0004419240	I C C E V M N D	D G T M S R R A E L E V F A A E H G L K I G		
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UniRef90_K1ZGV9	I C C E I M	K E D G R M A R P D D L I Q F G K T H H I P I V		
UniRef90_D4H9F8	I G E L V G D D G M	C L R A D A I A D L A R T E G L A L T		
UniRef90_D2R1R5	L C E I L D D S G E R	A T R E Q L L E L A K K H S L K I I		
UniRef90_Q6FQB7	I C C E L V N D	R D G S M M R L N D C A E F G K K F D I P I I		
UniRef90_C6XHT9	I C C E L V N D D	G T I K K G K Q V I E F S K K Y D L K I I		
UniRef90_F2TVP0	I A E L M H P C G D	M M R F D A C R Q F A S T H D L P I I		
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UniRef90_UPI00035D9F4E	I C C E I M N D	D G T M A R G K Q L F S E T K K E H K L G		
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UniRef90_Q255Z7	L S E L V N E D	H T M M R L P Q I I E F A N Q H G L S V I		
UniRef90_U5YN28	I C C E I	A M A D G A M A R L P E L R E F A R R H G L A L I		
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UniRef90_M5QY48	I C C E I M N	A D G T M A R V P E L L Q K I Q K E H D L K M L		
UniRef90_Q7UIK1	L C C E V L N E T G D R	A S R D D L A R L A K Q H D L K I I		
UniRef90_UPI000255CEAC	I A E L V H D	D G R M M R V P A L R E F A D A H N L K I I		
UniRef90_UPI000456012A	L C C E L V D P D D P L	G G I A S R D A C L K F A K E H N L A I T		
UniRef90_UPI0003C7FA4A	I C C E I M N E	D G T M A K D Q D L F N F A K K H K L K I G		
UniRef90_E5AL26	L C C E L M N	P D G T M M R G D D V E R F A T Q H R L P M L		
UniRef90_Q9Z734	L A E L V N E	D Y S M M R L P Q I L E F A R K H N I A V I		
UniRef90_K2BUI7	L C C E M M N	P D G T M A K G K K L R Q F A K Q H N I K I L		
UniRef90_D1Y1F6	C C C E V M R D D G E	M M R A P E L A E K A K E W G L K F V		
UniRef90_H4GJP6	I C C E I L Q E D G H	M A R R P R L V E M A D E Y G L P L L		
UniRef90_D1CIT3	I C C E I M	A P N G R M A W G E E L E E F A H R H N L M L V		
UniRef90_Z9JPT2	L V J E L V H D D G E	M M R A P A L R E F A D A H G L A M I		
UniRef90_W8H573	I C A V T	T A D K R D M L R G N V H S F A A Q Q N L P V V		
UniRef90_A0A037XNM8	I C C E I A N D	D G S M A R R L P E L E V F A T E H N L H I V		
UniRef90_UPI00035EBB43	I A E L V A D D	G T M M T F P D L E L L G R R M F L P V L		
UniRef90_A9UQU6	I G E L M	S P D G L M M R L Q A C E R E F A R F T L P I I		
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UniRef90_L0REN5	I C C E V T N	G T M A R L P E I I T F A E R H Y L S V V		
UniRef90_UPI0003B5BD2A	I G E I V A D D G E	P D G T M A R L P E I V E F G L K H N M P V L		
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UniRef90_A0A024J6X4	I C C E L V R E	K D G S M M K G A E I E A F A K A H S L E T L		
UniRef90_UPI00030CAA53	I G E L V N D	E D G L M A R R D D C L A F S K Q H G L K T I		
UniRef90_V2HKK7	L C C E L M N	D G S V K H G D E I T K F A Q D H R L H K I		
UniRef90_UPI000467CE1D	I C C E V L Q	P D G T M A R Y E Q A L A F A A Q H D L P V L		
UniRef90_W0TFQ0	I G E L V K D	K S G K M A R R P Q L K A L A E G M Q L P L I		
UniRef90_U6B4W6	I C C E L V N D	E D G D M M R L D D C V E F G K H N I S I I		
UniRef90_W8K0W3	L A E L V N E D	N G T I K K G E Q V I N F A K K Y G L K I I		
		H T M M R L P Q L L E F A R K H N F S V I		

UniRef90_C4K8P2	S	I	E	D	L	I	E	Y	R	Q	T	H	
UniRef90_S5RPS5	T	I	S	N	L	I	Y	R	Y	K	Y	E	N
UniRef90_F0XGB8	T	I	A	D	L	V	A	Y	L	E	Q	T	
UniRef90_F9Y8Y2	S	I	H	D	I	A	E	H	R	L	R	H	E
UniRef90_UPI0003B3754B	T	I	A	D	I	V	E	Y	R	K	I	Y	D
UniRef90_C4LDD2	C	I	E	D	L	V	A	Y	L	T	E	N	A
UniRef90_UPI000373F834	S	I	A	D	L	I	A	Y	R	W	R	V	E
UniRef90_UPI0002D9C478	T	I	A	D	L	I	A	Y	R	K	A	N	
UniRef90_D0LW49	S	I	A	D	I	I	A	Y	R	L	Q	R	E
UniRef90_W4K0K8	N	V	G	M	L	V	D	W	R	R	K		
UniRef90_M2XUM0	S	I	E	D	L	A	Q	H	L	R	T	R	E
UniRef90_J7QIH6	S	V	S	D	L	T	A	F	R	Q	A	R	E
UniRef90_I0WKR3	A	I	A	D	L	V	R	Y	R	Q	A	R	E
UniRef90_H5Y4L3	T	V	D	D	I	I	S	Y	R	K	A	R	E
UniRef90_D4ZF24	T	I	E	E	I	V	E	F	R				
UniRef90_UPI000470D499	T	I	E	E	I	A	D	W	C	R	A	H	
UniRef90_E4SYT5	T	I	A	E	L	Q	E	Y	C	R			
UniRef90_U7D6U4	S	V	A	D	I	V	R	Y	R	R	R	T	E
UniRef90_UPI00035E4894	R	I	E	D	L	I	A	Y	R	L	K	K	E
UniRef90_P16448	T	I	E	D	I	V	D	Y	R				
UniRef90_A5DHJ1	T	I	E	E	L	V	E	Y	I	S	R		
UniRef90_V2TVS0	S	I	E	E	L	V	Q	Y	R	L	K	H	
UniRef90_UPI0001FFE7A5	A	I	A	D	L	V	R	Y	R	R	A	T	E
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UniRef90_D3HCD1	E	V	G	D	I	A	R	Y	V	S	F	Q	D
UniRef90_F9S6Z4	T	I	E	D	I	V	Q	Y	R	N	Q		
UniRef90_A0A059LN23	T	I	A	D	L	V	R	Y	R	E			
UniRef90_M3CHJ7	T	I	E	D	L	V	K	Y	L	D	S	G	E
UniRef90_Q05SZ4	S	I	A	D	L	I	R	Y	R	L	D	N	E
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UniRef90_D3DYM1	T	I	E	D	I	I	A	Y	R	K	E	N	D
UniRef90_UPI00041A7722	T	I	P	Q	L	V	E	Y	R	K	V	Y	D
UniRef90_D5GB48	T	I	E	G	L	V	E	Y	L	E	K	T	
UniRef90_A0A024QHR1	S	I	E	D	L	I	S	Y	L	T	K	R	
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C Y T V S C D A A A R G G V T T T G I G I S A A D D R R T T L R A L A N P Q A S S E D L
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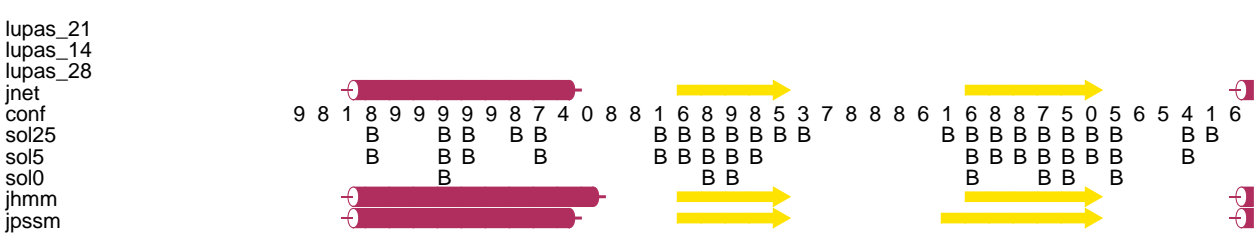
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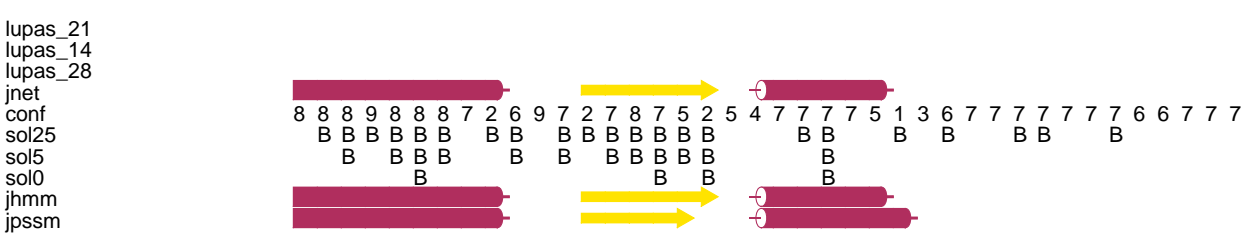
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