

QUERY	1	10	20	30	40																																														
UniRef90_UPI0004101252	M	V	D	I	I	A	E	H	A	R	G	F	F	C	F	G	V	V	K	R	A	V	K	L	A	E	E	S	L	K	E	V	S	F	G	A	P	P	Y	V	L	R	H	H	E	V					
UniRef90_UPI000365108C	M	E	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	E	E	I	V	E	E	R	A	L	E	V	L	L	G	G	A	P	P	Y	V	V	R	R	H	H	E	V	
UniRef90_D5CU04	M	E	L	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	E	E	I	V	E	E	R	A	L	E	V	L	L	G	G	A	P	P	Y	V	V	R	R	H	H	E	V	
UniRef90_F5R776	M	E	V	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	E	E	I	V	E	E	R	A	L	E	V	L	L	G	G	A	P	P	Y	V	V	R	R	H	H	E	V	
UniRef90_UPI0003755F5E	M	Q	V	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	D	D	I	V	E	E	R	A	L	A	L	I	F	F	E	H	P	P	Y	V	V	R	R	H	H	E	V
UniRef90_Q1N0B2	M	E	I	T	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	S	E	I	V	E	N	R	A	L	E	L	I	F	F	E	H	P	P	Y	V	V	R	R	H	H	E	V	
UniRef90_A3QBX5	L	Q	I	K	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	S	E	I	V	E	N	R	A	L	E	L	I	F	F	E	H	P	P	Y	V	V	R	R	H	H	E	V	
UniRef90_D3SEY7	M	Q	V	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	S	E	I	V	E	N	R	A	L	E	L	I	F	F	E	H	P	P	Y	V	V	R	R	H	H	E	V
UniRef90_B5Y232	M	Q	V	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	S	E	I	V	E	N	R	A	L	E	L	I	F	F	E	H	P	P	Y	V	V	R	R	H	H	E	V
UniRef90_K2KT66	M	K	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	S	E	I	V	E	N	R	A	L	A	I	F	F	E	H	P	P	Y	V	V	R	R	H	H	E	V		
UniRef90_UPI0003B36351	M	E	I	V	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	E	A	I	V	E	N	R	A	L	D	V	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V		
UniRef90_N9Q7W9	M	E	I	V	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	E	A	I	V	E	N	R	A	L	E	V	C	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V	
UniRef90_K2GSJ8	M	D	I	R	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	E	A	I	V	E	N	R	A	L	E	V	C	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V	
UniRef90_B0LFR9	E	I	L	L	A	N	P	R	G	F	F	F	F	C	F	A	G	V	D	D	R	A	I	E	E	I	V	E	E	R	A	L	K	Q	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V		
UniRef90_Q0AAC9	M	T	Q	V	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	D	I	V	E	R	A	L	E	L	L	F	F	E	H	P	P	Y	V	V	R	R	H	H	E	V		
UniRef90_UPI0000E11519	M	Q	V	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	D	I	V	E	R	A	L	E	L	L	F	F	E	H	P	P	Y	V	V	R	R	H	H	E	V		
UniRef90_A3N2G8	M	N	I	L	L	A	N	P	R	G	F	F	F	F	C	F	A	G	V	D	D	R	A	I	S	I	V	E	E	L	A	L	E	L	H	H	P	P	Y	V	V	R	R	H	H	E	V				
UniRef90_C6XB71	M	D	I	V	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	I	V	E	E	Q	A	L	E	L	K	F	G	A	P	P	Y	V	V	R	R	H	H	E	V				
UniRef90_Q2YCX3	M	K	V	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	E	I	V	E	E	R	A	L	S	V	H	G	A	P	P	Y	V	V	R	R	H	H	E	V				
UniRef90_M7NVA9	M	A	K	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	D	S	I	V	E	R	A	L	E	L	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V			
UniRef90_A4BTU1	M	P	R	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	D	S	I	V	E	K	A	L	E	A	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V		
UniRef90_UPI000369D5C5	M	Q	I	R	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	D	S	I	V	D	R	A	I	D	V	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V			
UniRef90_UPI0003FEEC4F	M	D	V	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	E	E	I	V	K	R	A	L	E	Q	L	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V	
UniRef90_UPI0003619F2F	M	Q	V	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	E	E	I	V	K	R	A	L	E	S	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V		
UniRef90_F3LGB5	V	Q	V	K	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	D	I	V	E	N	R	A	L	D	V	Y	G	A	P	P	Y	V	V	R	R	H	H	E	V				
UniRef90_UPI00034C82D5	M	D	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	A	N	I	V	E	R	A	L	E	S	Y	S	A	P	P	Y	V	V	R	R	H	H	E	V				
UniRef90_E0WSB9	M	Q	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	A	N	I	V	E	R	A	L	E	A	M	Y	S	A	P	P	Y	V	V	R	R	H	H	E	V			
UniRef90_UPI000393E8F6	M	K	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	S	I	V	E	R	A	L	E	A	M	Y	Q	P	P	Y	V	V	R	R	H	H	E	V					
UniRef90_A0Z9J1	M	D	V	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	D	I	V	E	N	R	A	L	E	V	F	F	G	R	A	P	P	Y	V	V	R	R	H	H	E	V		
UniRef90_UPI0003451A2D	M	E	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	D	E	I	V	E	N	R	A	L	A	R	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V		
UniRef90_B3PE11	M	T	Q	I	K	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	D	I	V	E	N	R	A	L	D	V	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V		
UniRef90_G2IYQ2	M	T	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	A	D	I	V	E	R	A	L	E	L	L	Y	G	A	P	P	Y	V	V	R	R	H	H	E	V			
UniRef90_V8G3Z4	E	I	L	L	A	N	P	R	G	F	F	F	F	C	F	A	G	V	D	D	R	A	I	E	A	I	V	E	R	A	L	E	L	L	Y	G	A	P	P	Y	V	V	R	R	H	H	E	V			
UniRef90_UPI0001DD0689	L	T	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	E	I	V	E	R	A	L	E	K	Y	G	A	P	P	Y	V	V	R	R	H	H	E	V					
UniRef90_D5VAC3	M	K	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	E	A	I	V	E	R	A	L	R	R	F	N	G	A	P	P	Y	V	V	R	R	H	H	E	V			
UniRef90_U5NEP2	M	Y	L	L	A	N	P	R	G	F	F	F	F	C	F	A	G	V	D	D	R	A	I	E	V	E	R	A	L	A	K	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V					
UniRef90_UPI0003685A57	L	D	V	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	D	E	V	E	R	A	L	E	L	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V				
UniRef90_T0ZX76	V	V	L	L	A	N	P	R	G	F	F	F	F	C	F	A	G	V	D	D	R	A	I	E	I	V	E	R	A	L	Q	R	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V				
UniRef90_E7RTU8	V	L	L	A	N	P	R	G	F	F	F	F	C	F	A	G	V	D	D	R	A	I	T	I	V	E	R	A	L	A	H	H	G	A	P	P	Y	V	V	R	R	H	H	E	V						
UniRef90_UPI00029A21F5	M	R	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	Q	I	V	E	R	A	L	A	W	F	G	T	A	P	P	Y	V	V	R	R	H	H	E	V				
UniRef90_F9ZT50	M	D	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	Q	I	V	E	R	A	L	E	L	Y	G	A	P	P	Y	V	V	R	R	H	H	E	V					
UniRef90_A5FZK2	M	K	V	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	E	I	V	E	R	A	L	E	K	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V				
UniRef90_UPI00047CC800	M	K	I	F	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	T	I	V	E	R	A	L	E	L	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V				
UniRef90_Q47BK8	M	E	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	A	L	V	E	R	A	L	E	K	F	F	G	A	P	P	Y	V	V	R	R	H	H	E	V				
UniRef90_UPI00046F34FE	M	N	I	L	V	A	K	N	A	G	F	F	F	C	F	A	G	V	E	R	A	I	E	A	V	Y	K	Q	L	E	K	R	P	G	K	Y	T	Y	G	P	I	Y	V	V	R	R	H	H	E	V	
UniRef90_C7RS07	M	Q	I	L	L	A	N	P	R	G	F	F	F	C	F	A	G	V	D	D	R	A	I	A	I	V	E	R	A	L	E	T	Q	G	A</																

QUERY	T	H	N	P	Q	E	V	N	R	L	50	N	R	L	60	E	F	K	E	G	D	T	V	I	70	R	S	H	G	V	P	E	K	80	
UniRef90_UPI0004101252	V	H	N	R	Y	V	V	D	N	G	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI000365108C	V	H	N	R	F	V	V	D	E	N	S	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T
UniRef90_D5CU04	V	H	N	K	F	V	V	D	D	S	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_F5R776	V	H	N	K	F	V	V	D	D	S	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI0003755F5E	V	H	N	R	Y	V	V	D	D	D	S	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T
UniRef90_Q1N0B2	V	H	N	K	F	V	V	D	D	N	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_A3QBX5	V	H	N	R	Y	V	V	Q	D	N	L	K	E	D	R	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T
UniRef90_D3SEY7	V	H	N	R	Y	V	V	G	R	L	E	F	A	A	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_B5Y232	V	H	N	K	F	V	V	D	S	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_K2KT66	V	H	N	K	Y	V	V	D	S	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI0003B36351	V	H	N	K	F	V	V	D	E	N	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_N9Q7W9	V	H	N	K	F	V	V	D	D	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_K2GSJ8	V	H	N	R	F	V	V	E	D	D	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T
UniRef90_B0LFR9	V	H	N	A	Y	V	V	E	D	D	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T
UniRef90_Q0AAC9	V	H	N	R	Y	V	V	N	N	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI0000E11519	V	H	N	K	F	V	V	D	G	L	K	E	R	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_A3N2G8	V	H	N	R	F	V	V	D	G	L	K	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T		
UniRef90_C6XB71	V	H	N	K	F	V	V	D	E	F	K	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T		
UniRef90_Q2YCX3	V	H	N	R	F	V	V	E	D	L	L	E	K	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_M7NVA9	V	H	N	R	F	V	V	D	D	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_A4BTU1	V	H	N	R	S	V	V	D	D	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI000369D5C5	V	H	N	R	Y	V	V	D	T	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI0003FEEC4F	V	H	N	R	F	V	V	E	D	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI0003619F2F	V	H	N	K	F	V	V	D	G	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_F3LGB5	V	H	N	K	F	V	V	D	S	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI00034C82D5	V	H	N	R	Y	V	V	D	K	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T		
UniRef90_E0WSB9	V	H	N	R	Y	V	V	N	D	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI000393E8F6	V	H	N	R	F	V	V	E	D	L	L	K	R	R	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_A0Z9J1	V	H	N	A	Y	V	V	D	D	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI0003451A2D	V	H	N	A	F	V	V	R	D	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_B3PE11	V	H	N	K	F	V	V	E	S	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_G2IYQ2	V	H	N	R	F	V	V	D	N	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_V8G3Z4	V	H	N	R	F	V	V	Q	S	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI0001DD0689	V	H	N	R	Y	V	V	E	G	L	K	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T		
UniRef90_D5VAC3	V	H	N	K	F	V	V	E	D	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_U5NEP2	V	H	N	T	H	V	V	Q	R	L	L	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T		
UniRef90_UPI0003685A57	V	H	N	T	T	V	V	Q	S	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_T0ZX76	V	H	N	R	F	V	V	E	N	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_E7RTU8	V	H	N	D	Y	V	V	S	T	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI00029A21F5	V	H	N	K	T	V	V	E	N	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_F9ZT50	V	H	N	R	H	V	V	D	D	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_A5FZK2	V	H	N	R	H	V	V	E	D	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI00047CC800	V	H	N	K	Y	V	V	D	T	L	L	K	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_Q47BK8	V	H	N	K	F	V	V	D	D	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI00046F34FE	I	H	N	P	Q	V	V	E	E	L	L	K	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_C7RS07	V	H	N	Q	F	V	V	D	N	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_F6IN01	V	H	N	K	F	V	V	D	G	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI00036D222D	V	H	N	R	F	V	V	E	R	L	L	K	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_E7H441	V	H	N	R	T	V	V	E	G	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_G4CP91	V	H	N	K	F	V	V	D	N	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_Q46XP2	V	H	N	A	Y	V	V	A	D	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_A3YI14	V	H	N	K	F	V	V	E	S	L	L	K	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_F7QL39	V	H	N	K	Y	V	V	E	S	L	L	K	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_D6Y7P9	V	H	N	T	H	V	V	K	R	L	L	E	E	R	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI0003B5F537	V	H	N	K	F	V	V	D	S	L	L	K	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_D7WDX0	V	H	N	K	Y	V	V	E	T	L	L	S	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_F1Z7H6	V	H	N	K	H	V	V	D	T	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_W0DW58	V	H	N	R	F	V	V	E	G	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_A8PQH6	V	H	N	R	M	V	V	A	E	L	L	R	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_UPI000370CDD9	I	H	N	P	Q	V	V	S	R	L	L	S	R	O	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_W5W0G6	V	H	N	R	H	V	V	E	T	L	L	Q	E	R	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T	
UniRef90_C3X7N1	V	H	N	T	H	V	V	N	R	L	L	K	E	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T
UniRef90_A0LW20	V	H	N	K	H	V	V	A	E	L	L	K	E	A	K	G	V	F	V	S	E	S	L	V	I	F	S	A	H	G	V	P	K	A	T
UniRef90_H8Z427	V	H																																	

QUERY UniRef90_UPI0004101252 UniRef90_UPI000365108C UniRef90_D5CU04 UniRef90_F5R776 UniRef90_UPI0003755F5E UniRef90_Q1N0B2 UniRef90_A3QBX5 UniRef90_D3SEY7 UniRef90_B5Y232 UniRef90_K2KT66 UniRef90_UPI0003B36351 UniRef90_N9Q7W9 UniRef90_K2GSJ8 UniRef90_B0LFR9 UniRef90_Q0AAC9 UniRef90_UPI0000E11519 UniRef90_A3N2G8 UniRef90_C6XB71 UniRef90_Q2YCX3 UniRef90_M7NVA9 UniRef90_A4BTU1 UniRef90_UPI000369D5C5 UniRef90_UPI0003FEEC4F UniRef90_UPI0003619F2F UniRef90_F3LGB5 UniRef90_UPI00034C82D5 UniRef90_E0WSB9 UniRef90_UPI000393E8F6 UniRef90_A0Z9J1 UniRef90_UPI0003451A2D UniRef90_B3PE11 UniRef90_G2IYQ2 UniRef90_V8G3Z4 UniRef90_UPI0001DD0689 UniRef90_D5VAC3 UniRef90_U5NEP2 UniRef90_UPI0003685A57 UniRef90_T0ZX76 UniRef90_E7RTU8 UniRef90_UPI00029A21F5 UniRef90_F9ZT50 UniRef90_A5FZK2 UniRef90_UPI00047CC800 UniRef90_Q47BK8 UniRef90_UPI00046F34FE UniRef90_C7RS07 UniRef90_F6IN01 UniRef90_UPI00036D222D UniRef90_E7H441 UniRef90_G4CP91 UniRef90_Q46XP2 UniRef90_A3YI14 UniRef90_F7QL39 UniRef90_D6Y7P9 UniRef90_UPI0003B5F537 UniRef90_D7WDX0 UniRef90_F1Z7H6 UniRef90_W0DW58 UniRef90_A8PQH6 UniRef90_F7NGC3 UniRef90_W5W0G6 UniRef90_C3X7N1 UniRef90_A0LW20 UniRef90_H8Z427 UniRef90_B1XW17 UniRef90_UPI000365C4B6 UniRef90_Q0EYTO UniRef90_UPI00041419AF UniRef90_C0VZN5 UniRef90_E8RQD1 UniRef90_UPI0003163A07 UniRef90_UPI000370CDD9 UniRef90_L8XZ26 UniRef90_UPI0003B65D14 UniRef90_UPI00037D7E6F UniRef90_T0GG46 UniRef90_A3DDC0 UniRef90_J3Z5X5 UniRef90_UPI0001FFE926 UniRef90_D0WPZ0 UniRef90_Q6AA89 UniRef90_W6MAR7 UniRef90_UPI000348B790 UniRef90_E1VXV7 UniRef90_D2PN99 UniRef90_W2BTB9 UniRef90_F3ZZM5 UniRef90_A0A022L0Z5 UniRef90_UPI00036DA14E UniRef90_I6Y117 UniRef90_S3DZH0

E E A Q K R G L K V I F D A T C P Y V T K V H H I E V C H Q Q L T R E A G G R E F V V L V G
Q A E A Q E R G L K V I F D A T C P Y V T K V H H I E V C H Q Q L T R E A G G R E F V V L V G
U n i R e f 9 0 _ U P I 0 0 0 4 1 0 1 2 5 2
U n i R e f 9 0 _ U P I 0 0 0 3 6 5 1 0 8 C
U n i R e f 9 0 _ D 5 C U 0 4
U n i R e f 9 0 _ F 5 R 7 7 6
U n i R e f 9 0 _ U P I 0 0 0 3 7 5 5 F 5 E
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U n i R e f 9 0 _ A 3 Q B X 5
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U n i R e f 9 0 _ B 5 Y 2 3 2
U n i R e f 9 0 _ K 2 K T 6 6
U n i R e f 9 0 _ U P I 0 0 0 3 B 3 6 3 5 1
U n i R e f 9 0 _ N 9 Q 7 W 9
U n i R e f 9 0 _ K 2 G S J 8
U n i R e f 9 0 _ B 0 L F R 9
U n i R e f 9 0 _ Q 0 A A C 9
U n i R e f 9 0 _ U P I 0 0 0 0 E 1 1 5 1 9
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U n i R e f 9 0 _ Q 2 Y C X 3
U n i R e f 9 0 _ M 7 N V A 9
U n i R e f 9 0 _ A 4 B T U 1
U n i R e f 9 0 _ U P I 0 0 0 3 6 9 D 5 C 5
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U n i R e f 9 0 _ U P I 0 0 0 3 4 C 8 2 D 5
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U n i R e f 9 0 _ U P I 0 0 0 3 9 3 E 8 F 6
U n i R e f 9 0 _ A 0 Z 9 J 1
U n i R e f 9 0 _ U P I 0 0 0 3 4 5 1 A 2 D
U n i R e f 9 0 _ B 3 P E 1 1
U n i R e f 9 0 _ G 2 I Y Q 2
U n i R e f 9 0 _ V 8 G 3 Z 4
U n i R e f 9 0 _ U P I 0 0 0 1 D D 0 6 8 9
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U n i R e f 9 0 _ U 5 N E P 2
U n i R e f 9 0 _ U P I 0 0 0 3 6 8 5 A 5 7
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U n i R e f 9 0 _ U P I 0 0 0 2 9 A 2 1 F 5
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U n i R e f 9 0 _ U P I 0 0 0 4 7 C C 8 0 0
U n i R e f 9 0 _ Q 4 7 B K 8
U n i R e f 9 0 _ U P I 0 0 0 4 6 F 3 4 F E
U n i R e f 9 0 _ C 7 R S 0 7
U n i R e f 9 0 _ F 6 I N 0 1
U n i R e f 9 0 _ U P I 0 0 0 3 6 D 2 2 2 D
U n i R e f 9 0 _ E 7 H 4 4 1
U n i R e f 9 0 _ G 4 C P 9 1
U n i R e f 9 0 _ Q 4 6 X P 2
U n i R e f 9 0 _ A 3 Y I 1 4
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U n i R e f 9 0 _ D 6 Y 7 P 9
U n i R e f 9 0 _ U P I 0 0 0 3 B 5 F 5 3 7
U n i R e f 9 0 _ D 7 W D X 0
U n i R e f 9 0 _ F 1 Z 7 H 6
U n i R e f 9 0 _ W 0 D W 5 8
U n i R e f 9 0 _ A 8 P Q H 6
U n i R e f 9 0 _ F 7 N G C 3
U n i R e f 9 0 _ W 5 W 0 G 6
U n i R e f 9 0 _ C 3 X 7 N 1
U n i R e f 9 0 _ A 0 L W 2 0
U n i R e f 9 0 _ H 8 Z 4 2 7
U n i R e f 9 0 _ B 1 X W 1 7
U n i R e f 9 0 _ U P I 0 0 0 3 6 5 C 4 B 6
U n i R e f 9 0 _ Q 0 E Y T O
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U n i R e f 9 0 _ C 0 V Z N 5
U n i R e f 9 0 _ E 8 R Q D 1
U n i R e f 9 0 _ U P I 0 0 0 3 1 6 3 A 0 7
U n i R e f 9 0 _ U P I 0 0 0 3 7 0 C D D 9
U n i R e f 9 0 _ L 8 X Z 2 6
U n i R e f 9 0 _ U P I 0 0 0 3 B 6 5 D 1 4
U n i R e f 9 0 _ U P I 0 0 0 3 7 D 7 E 6 F
U n i R e f 9 0 _ T 0 G G 4 6
U n i R e f 9 0 _ A 3 D D C 0
U n i R e f 9 0 _ J 3 Z 5 X 5
U n i R e f 9 0 _ U P I 0 0 0 1 F F E 9 2 6
U n i R e f 9 0 _ D 0 W P Z 0
U n i R e f 9 0 _ Q 6 A A 8 9
U n i R e f 9 0 _ W 6 M A R 7
U n i R e f 9 0 _ U P I 0 0 0 3 4 8 B 7 9 0
U n i R e f 9 0 _ E 1 V X V 7
U n i R e f 9 0 _ D 2 P N 9 9
U n i R e f 9 0 _ W 2 B T B 9
U n i R e f 9 0 _ F 3 Z Z M 5
U n i R e f 9 0 _ A 0 A 0 2 2 L 0 Z 5
U n i R e f 9 0 _ U P I 0 0 0 3 6 D A 1 4 E
U n i R e f 9 0 _ I 6 Y 1 1 7
U n i R e f 9 0 _ S 3 D Z H 0

QUERY	I	V	A	Q	T	T	Q	N	E	E	F	F	K	E	V	V	G	E	L	A	L	W	V	K	E	V	K	V	I	N	T	170	180	190	200												
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UniRef90_UPI000365108C	F	V	T	Q	T	T	L	S	M	D	D	T	A	S	K	I	D	A	L	K	R	A	R	F	P	P	F	I	H	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_D5CU04	Y	V	T	Q	T	T	L	S	V	D	D	A	Q	T	I	V	D	A	L	R	A	R	R	F	P	P	T	I	V	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_F5R776	Y	V	T	Q	T	T	L	S	V	D	D	A	Q	T	I	V	D	A	L	R	A	R	R	F	P	P	T	I	V	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_UPI0003755F5E	Y	V	T	Q	T	T	L	S	M	D	D	T	A	Q	T	I	V	D	A	L	K	R	R	F	P	P	N	I	H	G	Q	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_Q1N0B2	Y	V	S	Q	T	T	L	S	M	D	D	T	A	D	V	I	D	A	L	T	A	R	R	F	P	K	I	Q	E	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_A3QBX5	F	V	T	Q	T	T	L	S	M	D	D	T	A	D	V	I	D	A	L	Q	K	R	R	F	P	S	I	Q	E	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_D3SEY7	F	V	S	Q	T	T	L	S	M	D	D	T	A	E	D	V	I	D	A	L	T	A	R	R	F	P	K	I	E	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_B5Y232	F	M	T	Q	T	T	L	S	V	D	D	T	A	D	V	I	D	A	L	T	A	R	R	F	P	K	I	V	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_K2KT66	Y	M	S	Q	T	T	L	S	V	D	D	T	A	D	V	I	D	A	L	R	A	K	R	F	P	D	I	N	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_UPI0003B36351	F	V	T	Q	T	T	L	S	M	D	D	T	A	A	K	V	I	D	A	L	R	E	K	F	P	A	I	Q	Q	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_N9Q7W9	F	V	T	Q	T	T	L	S	I	D	D	T	A	K	V	I	D	A	L	R	E	Q	K	F	P	L	I	Q	Q	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_K2GSJ8	F	V	T	Q	T	T	L	S	V	D	D	T	A	R	V	I	D	A	L	R	E	R	R	F	P	S	I	H	G	P	E	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_B0LFR9	Y	V	T	Q	T	T	L	S	V	D	D	T	A	N	D	V	I	D	A	L	K	G	R	F	P	N	N	I	P	K	K	G	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q	
UniRef90_Q0AAC9	F	V	T	Q	T	T	L	S	M	D	D	T	A	N	D	V	I	D	A	L	R	E	R	R	F	P	N	N	I	T	G	P	N	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q
UniRef90_UPI0000E11519	Y	C	S	Q	T	T	L	S	V	D	D	T	A	D	V	I	D	A	L	R	E	T	F	P	N	N	I	D	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_A3N2G8	F	M	T	Q	T	T	L	S	I	D	D	T	A	S	D	V	I	E	A	L	K	E	K	F	P	A	I	S	A	P	N	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_C6XB71	Y	V	T	Q	T	T	L	S	V	D	D	A	A	S	I	V	A	A	L	K	D	K	F	P	L	I	S	A	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q				
UniRef90_Q2YCX3	Y	V	T	Q	T	T	L	S	V	D	D	A	A	N	R	V	I	Q	A	L	K	G	R	F	P	N	I	P	K	K	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_M7NVA9	F	V	T	Q	T	T	L	S	V	D	D	T	A	S	R	V	I	D	A	L	R	D	R	F	P	G	I	T	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_A4BTU1	Y	V	S	Q	T	T	L	S	M	D	D	A	A	Q	V	I	A	A	L	R	Q	R	F	P	D	I	H	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q				
UniRef90_UPI000369D5C5	F	V	T	Q	T	T	L	S	M	D	D	T	A	S	K	V	I	D	A	L	R	E	T	F	P	A	I	Q	Q	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_UPI0003FEEC4F	Y	T	T	Q	T	T	L	S	V	D	D	T	R	E	V	I	E	A	L	Q	A	R	F	P	N	I	V	I	Q	G	H	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_UPI0003619F2F	Y	V	T	Q	T	T	L	S	V	D	D	T	K	A	V	I	E	A	L	R	A	H	F	P	N	I	V	I	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_F3LGB5	Y	V	T	Q	T	T	L	S	M	D	D	T	A	K	V	I	E	A	L	R	A	K	F	P	N	I	V	E	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_UPI00034C82D5	Y	V	T	Q	T	T	L	S	V	D	D	T	K	A	V	I	E	A	L	R	A	A	F	P	D	I	V	E	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_E0WSB9	F	M	T	Q	T	T	L	S	I	D	D	T	S	A	J	I	D	E	A	L	R	Q	R	F	P	D	I	E	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_UPI000393E8F6	Y	V	S	Q	T	T	L	S	V	D	E	T	A	D	V	I	D	E	L	R	R	F	P	D	I	V	Q	E	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_A0Z9J1	Y	V	T	Q	T	T	L	S	V	D	D	T	A	R	V	I	D	A	L	R	D	R	F	P	A	I	V	E	E	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_UPI0003451A2D	Y	V	T	Q	T	T	L	S	V	D	D	A	A	Q	V	I	G	A	L	K	K	R	F	P	T	I	P	K	K	Q	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_B3PE11	Y	V	T	Q	T	T	L	S	M	D	D	T	A	R	V	I	E	A	L	R	N	K	F	P	K	I	Q	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q				
UniRef90_G2IYQ2	Y	V	S	Q	T	T	L	S	V	D	E	T	R	D	I	V	A	A	L	R	V	R	F	P	A	I	P	K	K	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q				
UniRef90_V8G3Z4	Y	V	T	Q	T	T	L	S	V	D	D	A	A	V	T	R	A	L	H	E	R	F	P	N	I	V	A	A	P	K	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_UPI0001DD0689	F	L	T	Q	T	T	L	S	V	D	D	T	A	E	I	T	A	A	L	Q	A	R	F	P	S	I	A	A	P	E	D	D	I	C	Y	A	T	T	S	N	R	Q	Q				
UniRef90_D5VAC3	F	V	T	Q	T	T	L	S	M	D	D	T	A	N	L	T	D	A	L	K	D	R	F	P	A	I	N	A	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q				
UniRef90_U5NEP2	L	V	T	Q	T	T	L	S	V	D	D	T	M	E	L	T	Q	A	I	R	Q	R	F	P	A	I	P	K	Q	Q	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_UPI0003685A57	Y	V	T	Q	T	T	L	S	V	D	D	A	A	A	V	V	V	A	L	R	A	R	Y	P	R	L	P	K	R	Q	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_T0ZX76	Y	V	T	Q	T	T	L	S	V	D	D	A	A	Q	R	V	I	H	A	L	R	R	Y	P	A	I	Q	Q	K	Q	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_E7RTU8	Y	V	T	Q	T	T	L	S	V	D	D	C	R	T	V	I	E	A	L	R	R	R	F	P	Q	I	Q	N	K	K	Q	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_UPI00029A21F5	Y	V	T	Q	T	T	L	S	V	N	D	T	Q	A	I	I	N	A	L	Q	Q	R	F	P	S	I	V	A	P	E	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_F9ZT50	Y	I	T	Q	T	T	L	S	M	D	D	T	A	E	V	I	Q	A	L	R	E	R	F	P	A	I	V	Q	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_A5FZK2	Y	I	T	Q	T	T	L	S	V	D	D	T	A	E	R	G	I	Q	A	L	V	E	R	F	P	A	I	V	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_UPI00047CC800	F	V	T	Q	T	T	L	S	L	D	D	T	S	Q	V	I	D	A	L	R	A	R	F	P	D	I	V	Q	G	P	K	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q		
UniRef90_Q47BK8	F	V	T	Q	T	T	L	S	V	D	D	T	A	V	I	V	E	R	L	K	Q	R	F	P	E	I	V	Q	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_UPI00046F34FE	V	V	A	Q	T	T	L	S	H	Q	K	W	D	A	I	V	E	R	L	H	S	K	V	D	Q	L	E	V	F	N	T	D	I	C	Y	A	T	T	A	V	R	Q	Q				
UniRef90_C7RS07	Y	V	T	Q	T	T	L	S	V	D	D	A	A	Q	V	V	A	A	L	K	E	R	F	P	Q	Q	I	I	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_F6IN01	Y	L	T	Q	T	T	L	S	V	D	D	T	A	Q	I	V	E	A	L	K	D	R	Y	P	K	V	V	A	P	E	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q			
UniRef90_UPI00036D222D	Y	L	T	Q	T	T	L	S	V	D	D	T	A	E	I	V	E	A	L	Q	R	R	F	P	K	I	V	G	P	D	D	I	C	Y	A	T	T	Q	Q	N	R	Q	Q				
UniRef90_E7H441	Y	V	T	Q	T	T	L	S	A	D	D	S	R	S	V	I	E</																														

QUERY	E	S	V	K	K	L	A	P	E	V	D	V	M	I	I	G	G	K	N	S	S	G	N	T	R	R	L	Y	Y	S	K	E	L	N	P	N	T	Y	H							
UniRef90_UPI0004101252	D	A	V	K	K	L	A	A	H	C	D	V	I	L	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	I	A	E	K	K	L	N	P	N	T	Y	H					
UniRef90_UPI000365108C	D	A	V	K	K	L	A	A	R	Q	C	D	V	L	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	V	A	A	R	N	R	G	L	N	P	N	T	Y	H			
UniRef90_D5CU04	D	S	V	K	L	L	A	A	Q	Q	C	D	L	V	L	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	V	A	A	E	Q	L	F	G	V	V	P	N	T	Y	H	
UniRef90_F5R776	D	A	V	K	F	M	A	P	R	S	D	L	V	L	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	V	A	A	E	Q	L	F	G	V	V	P	N	T	Y	H		
UniRef90_UPI0003755F5E	D	A	V	K	A	L	A	G	Q	C	D	L	F	L	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	I	A	G	K	L	N	P	N	T	Y	H						
UniRef90_Q1N0B2	D	A	V	K	D	L	A	S	Q	C	D	L	L	V	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	L	A	G	R	M	N	A	V	Q	S	Y	L	L	L	L		
UniRef90_A3QBX5	D	A	V	R	N	V	A	D	D	V	D	L	F	I	V	V	G	G	K	N	S	S	N	N	R	R	L	M	E	L	A	K	K	G	T	Q	S	Y	L	L	L	L				
UniRef90_D3SEY7	D	A	V	K	D	L	A	S	Q	C	D	L	L	V	V	V	G	G	K	N	S	S	N	N	R	R	L	S	E	I	A	G	A	R	L	G	V	V	Q	S	Y	L	L	L		
UniRef90_B5Y232	E	A	V	R	A	L	A	E	Q	A	D	V	V	L	V	V	G	G	K	N	S	S	N	N	R	R	L	A	E	E	L	A	Q	R	L	M	G	K	A	Y	L	L	L	L		
UniRef90_K2KT66	D	A	V	R	E	L	A	A	E	S	D	V	L	L	V	V	G	G	A	R	N	S	S	N	N	R	R	L	A	E	E	L	S	E	K	L	G	T	Q	A	F	L	L	L		
UniRef90_UPI0003B36351	D	A	V	K	N	L	A	Q	Q	A	D	L	V	L	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	L	A	E	R	M	F	G	C	E	A	Y	L	L	L	L		
UniRef90_N9Q7W9	D	A	V	R	N	D	L	A	A	R	C	D	V	V	L	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	L	A	E	R	M	F	G	C	E	A	Y	L	L	L	L	
UniRef90_K2GSJ8	D	A	V	R	Q	L	A	L	E	C	D	L	V	L	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	L	A	E	R	C	G	T	P	A	Y	L	L	L	L			
UniRef90_B0LFR9	E	A	V	K	F	M	A	P	Q	V	E	V	D	L	V	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	V	A	E	R	K	K	G	T	P	A	Y	L	L	L	L	
UniRef90_Q0AAC9	D	A	V	K	F	M	A	P	Q	V	E	V	D	L	V	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	L	A	E	R	K	K	G	T	P	A	Y	L	L	L	L	
UniRef90_UPI0000E11519	D	A	V	R	E	M	A	V	S	C	D	L	L	V	V	V	G	G	A	T	N	S	S	N	N	R	R	L	S	E	L	A	V	K	L	G	T	P	A	Y	L	L	L	L		
UniRef90_A3N2G8	Q	A	V	R	E	L	A	K	Q	S	Q	L	V	L	V	V	G	G	K	N	S	S	N	N	R	R	L	A	E	L	A	S	R	M	Q	G	I	P	E	S	K	L	L	L	L	
UniRef90_C6XB71	D	A	V	K	A	M	A	K	D	C	D	L	V	I	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	V	A	A	Q	N	A	G	V	I	D	A	Y	M	L	L	L	L
UniRef90_Q2YCX3	D	A	V	K	T	M	V	K	Q	C	D	L	V	I	V	V	G	G	P	N	S	S	N	N	R	R	L	C	E	V	A	R	N	A	G	V	I	D	A	Y	M	L	L	L	L	
UniRef90_M7NVA9	D	A	V	K	L	A	A	E	Q	V	D	L	L	V	V	V	G	G	V	N	S	S	N	N	R	R	L	R	E	L	A	S	E	K	L	G	T	P	A	Y	L	L	L	L		
UniRef90_A4BTU1	D	A	V	M	G	L	A	R	Q	V	D	V	M	I	V	V	G	G	S	G	N	S	S	N	T	R	R	L	R	E	L	A	E	R	L	G	V	I	P	A	Y	L	L	L	L	
UniRef90_UPI000369D5C5	D	A	V	R	I	L	A	E	Q	C	D	V	V	L	V	V	G	G	A	N	S	S	N	N	R	R	L	A	E	L	S	Q	R	M	G	T	P	A	Y	L	L	L	L	L		
UniRef90_UPI0003FEEC4F	D	A	V	R	Q	L	A	Q	Q	C	D	V	V	L	V	V	G	G	V	N	S	S	N	N	R	R	L	R	D	V	A	E	K	M	G	A	P	A	Y	L	L	L	L	L		
UniRef90_UPI0003619F2F	D	A	V	R	K	L	G	Q	Q	C	D	L	V	L	V	V	G	G	S	V	N	S	S	N	N	R	R	L	R	D	V	A	E	K	Q	G	V	I	P	A	Y	L	L	L	L	
UniRef90_F3LGB5	D	A	V	K	Q	L	A	L	E	C	D	L	V	L	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	L	A	E	R	C	G	T	P	A	Y	L	L	L	L	L		
UniRef90_UPI00034C82D5	D	A	V	R	R	D	L	A	E	S	V	D	L	V	L	V	V	G	G	V	N	S	S	N	N	R	R	L	R	E	L	A	E	K	M	G	V	I	P	A	Y	L	L	L	L	
UniRef90_E0WSB9	E	A	V	R	D	L	A	Q	R	A	D	C	L	I	V	V	G	G	S	V	N	S	S	N	N	R	R	L	A	E	L	A	Q	R	M	G	K	V	I	P	A	Y	L	L	L	L
UniRef90_UPI000393E8F6	D	A	V	R	I	L	A	Q	Q	V	D	V	M	I	V	V	G	G	K	N	S	S	N	N	S	T	R	L	K	E	L	S	E	K	L	G	T	A	F	L	L	L	L			
UniRef90_A0Z9J1	D	A	V	K	S	L	A	E	K	V	E	V	V	L	V	V	G	G	T	N	S	S	N	N	R	R	L	R	E	L	A	E	R	C	G	A	K	S	Y	L	L	L	L	L		
UniRef90_UPI0003451A2D	D	A	V	K	L	M	A	P	Q	C	D	L	V	I	V	V	G	G	S	P	N	S	S	N	N	R	R	L	R	E	V	A	A	Q	L	G	I	P	E	S	K	L	L	L	L	
UniRef90_B3PE11	D	A	V	R	Q	L	A	L	E	C	D	L	V	L	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	L	A	E	R	C	G	T	P	A	Y	L	L	L	L	L		
UniRef90_G2IYQ2	D	A	V	K	V	L	A	E	Q	C	D	L	V	L	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	V	A	A	L	K	G	V	I	P	A	Y	L	L	L	L	L	
UniRef90_V8G3Z4	D	A	V	K	L	I	A	P	Q	C	D	V	F	F	V	V	G	G	V	N	S	S	N	N	R	R	L	R	E	V	A	A	E	R	L	S	C	V	P	A	Y	L	L	L	L	
UniRef90_UPI0001DD0689	A	A	V	K	E	L	A	P	G	S	D	L	V	L	V	I	G	A	P	N	S	S	N	N	S	L	R	L	V	E	V	A	E	R	C	G	T	T	A	K	L	L	L	L		
UniRef90_D5VAC3	D	A	V	K	L	M	S	R	H	C	E	V	D	L	V	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	L	A	E	R	M	G	R	R	A	Y	L	L	L	L	L	
UniRef90_U5NEP2	D	A	V	K	T	M	C	S	Q	V	D	V	M	I	V	V	G	G	P	N	S	S	N	N	T	N	R	L	A	E	V	S	R	R	C	G	I	P	S	Y	R	L	L	L	L	
UniRef90_UPI0003685A57	D	A	V	K	F	M	A	P	Q	V	D	V	V	I	V	V	G	G	P	N	S	S	N	N	R	R	L	A	E	V	A	A	R	L	G	R	P	A	Y	M	L	L	L	L		
UniRef90_T0ZX76	D	A	V	K	V	L	T	R	S	A	D	L	V	I	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	V	A	L	H	R	G	I	E	A	Y	M	L	L	L	L		
UniRef90_E7RTU8	D	A	V	K	F	M	A	P	Q	C	D	L	V	I	V	V	G	G	P	N	S	S	N	N	R	R	L	R	E	V	A	E	R	H	G	C	E	A	Y	M	L	L	L	L		
UniRef90_UPI00029A21F5	Q	A	V	K	E	L	A	M	Q	C	D	L	V	L	V	L	G	A	P	N	S	S	N	N	R	R	L	K	E	V	V	D	R	L	G	K	K	A	Y	L	L	L	L	L		
UniRef90_F9ZT50	D	A	V	K	R	L	V	P	D	V	D	L	L	V	V	V	G	A	P	N	S	S	N	N	R	R	L	A	E	L	G	V	R	L	G	T	A	T	Y	L	L	L	L	L		
UniRef90_A5FZK2	E	A	V	K	R	H	L	A	E	Q	V	D	V	I	V	V	G	G	P	N	S	S	N	N	R	R	L	C	E	I	G	A	E	L	G	R	P	S	Y	L	L	L	L	L		
UniRef90_UPI00047CC800	D	A	V	K	E	L	A	K	V	A	D	L	I	L	V	V	G	G	K	N	S	S	N	N	R	R	L	R	E	L	A	E	K	E	G	T	E	S	Y	L	L	L	L	L		
UniRef90_Q47BK8	D	A	V	K	E	L	A	G	K	C	D	L	V	L	V	V	G	G	K	N	S	S	N	N	R	R	L	K	E	V	A	V	G	R	N	V	M	A	F	L	L	L	L	L		
UniRef90_UPI00046F34FE	A	E	A	E	A	I	A	K	M	V	D	V	M	I	V	I	G	G	K	N	S	S	N	N	T	R	K	L	S	E	V	C	K	A	H	C	K	V	K	F	A	L	L	L	L	
UniRef90_C7RS07	D	A	V	K	E	L	A	R	H	S	D	V	V	L	V	V	G	G	Q	S	S	N	S	N	R	L	R	E	V	A	E	E	L	I	G	A	R	A	Y	L	L	L	L	L		
UniRef90_F6IN01	A	A	V	K	E	V	A	P	K	C	Q	L	M	F	V	I	G	A	P	N	S	S	N	N	S	L	R	L	V	E	V	A	Q	R	A	G	A	Y	L	L	L	L	L			
UniRef90_UPI00036D222D	N	A	V	K	A	L	A	K	Q	V	D	V	I	L	V	I	G	G	S	Q	N	S	S	N	S	L	R	L	K	E	V	A	I	S	N	G	C	P	A	Y	L	L	L	L	L	
UniRef90_E7H441	E	A	V	K	Q	L	A	Q	G	V	D	L	V	L	V	I	G	G	A	T	N	S	S	N	N	R	R	L	R	E	V	A	E	R	E	G	V	H	A	Y	L	L	L	L	L	
UniRef90_G4CP91	E	A	V	K	N	L	A	A	E	C	D	I	V	I	V	V	G	G	P	N																										

QUERY	E	T	A	E	E	Q	P	E	W	F	R	G	V	K	R	V	260	S	A	G	A	S	T	P	D	W	I	270	E	Q	V	K	S	R	Q	280																						
UniRef90_UPI0004101252	I	D	D	A	N	Q	Q	R	E	W	E	G	A	Q	K	R	V	G	V	T	A	G	A	S	A	P	P	E	I	L	V	T	K	E	V	V	K	R	L	K	K	E																
UniRef90_UPI000365108C	I	D	D	A	N	Q	Q	R	E	W	E	G	A	Q	K	R	V	G	V	T	A	G	A	S	A	P	P	E	I	L	V	T	K	E	V	V	V	A	E	R	L	R	L	K	K	E												
UniRef90_D5CU04	I	V	D	N	A	S	E	L	K	P	E	W	L	A	Q	G	K	R	V	G	V	T	A	G	A	S	A	P	P	E	I	L	V	T	R	Q	E	V	V	A	E	R	L	R	L	K	K	E										
UniRef90_F5R776	I	V	D	N	A	S	E	L	D	P	G	W	L	D	G	K	R	V	G	V	T	A	G	A	S	A	P	P	E	I	L	V	T	D	A	V	I	A	E	R	L	R	L	K	K	E												
UniRef90_UPI0003755F5E	I	V	D	S	V	D	Q	I	R	D	A	G	W	L	A	G	K	T	R	V	G	V	T	A	G	A	S	A	P	P	E	I	L	V	T	D	R	Q	D	V	A	E	R	L	R	L	K	K	E									
UniRef90_Q1N0B2	I	V	D	N	A	E	Q	I	D	A	A	W	F	N	A	D	E	T	K	V	G	V	T	A	G	A	S	A	P	P	E	I	L	V	T	D	D	Q	V	V	A	E	R	L	R	L	K	K	E									
UniRef90_A3QBX5	I	V	D	N	A	D	D	I	K	P	E	W	F	N	D	I	E	K	R	V	G	V	T	A	G	A	S	A	P	P	E	I	L	V	T	Q	Q	V	V	S	D	A	F	A	R	L	R	L	K	K	E							
UniRef90_D3SEY7	I	V	D	G	A	A	D	D	V	D	P	A	W	L	K	G	K	R	V	G	V	T	A	G	A	S	A	P	P	E	I	L	V	T	Q	Q	V	V	N	D	T	F	R	L	L	K	K	E										
UniRef90_B5Y232	I	V	D	D	A	D	D	I	Q	R	D	W	L	N	D	A	N	T	R	V	G	V	T	A	G	A	S	A	P	P	E	I	L	V	T	Q	Q	V	V	Q	A	V	I	K	R	R	L	L	K	K	E							
UniRef90_K2KT66	I	V	D	D	A	D	D	I	Q	R	D	W	L	N	D	A	N	T	R	V	G	V	T	A	G	A	S	A	P	P	E	I	L	V	T	Q	Q	V	V	Q	A	V	I	K	R	R	L	L	K	K	E							
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UniRef90_G7Z6I0	V	H	N	R	K	Y	V	V	E	E	T	L	L	S	A	K	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V
UniRef90_UPI00037926E5	V	H	N	R	F	V	V	V	E	E	T	L	L	S	A	K	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V
UniRef90_E1VGG8	V	H	N	R	F	V	V	V	D	D	L	L	R	A	K	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V	
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UniRef90_K0K9I5	V	H	N	T	H	V	V	E	A	D	L	L	E	A	R	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V	
UniRef90_A7HQX6	V	H	N	R	E	V	V	E	E	L	L	R	A	K	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V		
UniRef90_R5HLN3	I	H	N	E	V	V	V	E	A	D	L	L	E	A	R	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V	
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UniRef90_F4D0Z9	V	H	N	A	H	V	V	R	R	L	T	D	R	R	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
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UniRef90_F8AWC7	V	H	N	A	H	V	V	K	T	L	L	E	A	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_D4J8B5	I	H	N	E	T	V	V	E	D	L	L	E	A	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_UPI000380DD00	V	H	N	S	Y	V	V	T	D	L	L	A	K	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_F2R1B7	V	H	N	K	Y	V	V	Q	T	L	L	A	R	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_T0JTT1	I	H	N	P	Q	M	I	S	H	L	L	K	K	L	G	I	S	T	V	N	K	L	E	E	L	T	A	G	K	V	T	I	R	S	A	H	G	V	S	R	P	S	I	V		
UniRef90_UPI0003707DF7	I	H	N	P	Q	M	V	E	R	L	L	A	S	R	G	I	G	M	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V		
UniRef90_D3D913	V	H	N	T	H	V	V	E	R	L	L	A	S	R	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_W5WQR6	V	H	N	K	H	V	V	K	T	F	E	D	Q	Q	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_D3F288	V	H	N	K	H	V	V	K	T	F	E	R	E	S	R	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V		
UniRef90_UPI000376E5EE	I	H	N	P	Q	A	V	K	K	L	L	E	E	L	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_A0A059DZK7	V	H	N	A	H	V	V	S	R	L	L	E	E	L	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_HOR6M4	V	H	N	R	K	H	V	D	T	L	L	E	R	R	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_E8R5U7	V	H	N	K	W	V	V	E	R	F	Q	T	E	R	R	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V		
UniRef90_H6Q525	V	H	N	K	Y	V	V	D	L	L	K	Q	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V				
UniRef90_G1XXX5	V	H	N	R	K	H	V	Q	G	L	L	A	K	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_I4B8V3	V	H	N	K	H	V	V	A	Q	G	L	L	R	E	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V		
UniRef90_B2V9Y7	I	H	N	K	Q	V	V	N	Y	L	L	K	S	L	G	I	E	E	M	Q	Y	S	L	K	P	A	G	D	T	V	I	R	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_X1A8E6	I	H	N	P	Q	V	V	K	K	L	L	K	D	N	G	I	K	I	T	E	N	L	E	N	V	D	L	G	A	R	A	I	R	A	H	G	V	S	R	P	S	I	V			
UniRef90_Q029M3	V	H	N	K	H	V	V	E	E	L	L	R	E	A	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_D9S3E0	V	H	N	Q	Q	V	V	E	K	M	E	N	L	G	V	K	A	V	D	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V				
UniRef90_M2NVD4	V	H	N	A	T	V	V	A	D	L	L	Q	L	E	R	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V		
UniRef90_UPI0003A30499	V	H	N	R	H	V	V	E	R	L	L	E	R	M	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_R7Y0F2	V	H	N	K	H	V	V	A	N	L	L	E	S	R	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_E3I0A0	V	H	N	K	H	V	V	D	D	L	L	K	A	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_G2LP23	V	H	N	E	Y	V	V	N	Q	L	L	R	A	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_UPI00037DA5AE	I	H	N	E	E	V	V	E	D	L	L	E	K	R	G	I	S	V	L	N	S	E	E	L	T	E	G	T	V	I	R	S	A	H	G	V	S	R	P	S	I	V				
UniRef90_A3ZR62	V	H	N	K	Y	V	V	T	T	F	E	K	K	Q	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_UPI000255F402	V	H	N	R	H	V	V	E	T	L	L	S	K	Q	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
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UniRef90_G5IHY8	I	H	N	E	E	V	V	R	D	L	L	E	E	K	G	I	S	V	L	H	T	E	E	L	S	N	G	T	V	I	R	S	A	H	G	V	S	R	P	S	I	V				
UniRef90_B0U064	V	H	N	K	V	V	V	D	S	L	L	K	K	K	G	I	S	V	K	E	V	D	E	V	P	D	D	A	V	T	I	R	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_Q1LFP0	V	H	N	K	H	V	V	E	S	L	L	R	Q	K	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H	G	V	S	R	P	S	I	V			
UniRef90_B0T021	V	H	N	R	H	V	V	D	R	L	L	K	A	L	G	I	F	V	D	E	L	D	D	V	P	A	G	A	T	L	I	F	S	A	H											

	90	100	110	120																			
UniRef90_Q21TE6	QLEAAAR	GFQVFDAT	CPFLV	SKVHVVEVAK	LHKKEGGYEFJIMLSGG																		
UniRef90_L0K9A8	IEEAEDK	DLIDNDAT	PPFLV	SQKRVH	QEKAKKQLK	EDGGYQV	LVLLISGG																
UniRef90_G7Z6I0	RELAAAD	SRNLMTLD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG														
UniRef90_UPI00037926E5	QAEAAQR	SRKLVFDD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG														
UniRef90_E1VGG8	QAEAAQR	SRKLVFDD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG														
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UniRef90_K0K915	REEAARR	DLVVD	DDATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG														
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UniRef90_R5HLN3	YDEAK	ALGF	LVDD	ATCCCP	FLVSK	IVH	VEAEER	LYSR	REGGYH	IIII	GG												
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UniRef90_Q3JAD0	VETAK	KNDLQ	VIV	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
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UniRef90_D1BKR9	VAAAE	ARSRLQ	TVI	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
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UniRef90_UPI0003707DF7	YEEAAGA	AGLQ	VIV	DD	ATCCCP	HVKK	AQA	KA	HA	EL	LL	LAGY	KVV	VV	GG								
UniRef90_D3D913	WDEQA	GDRGLD	VIV	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
UniRef90_W5WQR6	HQQAARE	LELKT	FDD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG													
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UniRef90_A0A059DZK7	PAEAER	RNM	YV	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
UniRef90_HOR6M4	HKTAA	ARSRLR	TVI	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
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UniRef90_H6Q525	QKLAQ	ERYL	LIV	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
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UniRef90_I4B8V3	VALLAK	EKNL	KIV	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
UniRef90_B2V9Y7	ERM	LKELN	VIV	DD	ATCCCP	FLVK	KI	H	VE	KY	SE	QGGY	FLV	LVLLISGG									
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UniRef90_F8L8B0	REHAK	RNRK	LIV	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
UniRef90_F0S0G5	IEFL	KRKLQ	VIV	DD	ATCCCP	FLVK	KI	H	VE	KY	SE	QGGY	FLV	LVLLISGG									
UniRef90_E2CBB9	PADAQ	SRNMF	VIV	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
UniRef90_J6LEQ0	PEEA	AKRNF	VIV	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
UniRef90_Q0FD82	PAEAS	ARKM	VIV	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
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UniRef90_F7XVG2	EDDAK	YKEL	VIV	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
UniRef90_B3CM01	EDEAK	RKGLQ	VIV	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
UniRef90_A4AJF7	VQGA	ADRELH	VIV	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
UniRef90_R5FIW3	YEIL	LKERN	VIV	DD	ATCCCP	FLVK	KI	H	VE	KY	SE	QGGY	FLV	LVLLISGG									
UniRef90_UPI00036900BF	LTA	AAARK	ITV	DD	ATCCCP	FLVSN	V	Q	K	K	A	R	E	M	A	Q	Q	Y	V	V	GG		
UniRef90_I0IQ88	LKEAR	DKNLE	VIV	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
UniRef90_R5SXZ6	YDILL	EANG	IEV	DD	ATCCCP	FLVK	KI	H	VE	KY	SE	QGGY	FLV	LVLLISGG									
UniRef90_Q1IQW0	REAS	KRGLR	VIV	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												
UniRef90_R5VPA5	YDILL	EKNG	IEV	DD	ATCCCP	FLVK	KI	H	VE	KY	SE	QGGY	FLV	LVLLISGG									
UniRef90_E0NWZ0	YAQA	EQRG	LIV	DD	ATCCCP	FLVK	KI	H	VE	KY	SE	QGGY	FLV	LVLLISGG									
UniRef90_B3E441	MDEAH	QKQL	EVV	DD	ATCCCP	FLVK	KI	H	VE	KY	SE	QGGY	FLV	LVLLISGG									
UniRef90_R7AJP6	YELLE	RKGL	EVV	DD	ATCCCP	FLVK	KI	H	VE	KY	SE	QGGY	FLV	LVLLISGG									
UniRef90_UPI0003B39C56	YKVL	LAER	KH	VIV	DD	ATCCCP	RVL	K	V	Q	A	L	K	A	V	S	E	G	K	E	V	V	GG
UniRef90_UPI0003468160	RREAA	ERGL	EVV	DD	ATCCCP	LVSTK	VHQRREAE	RRFRH	FDGDDGG	YQVLLV	LVLLISGG												

UniRef90_Q21TE6 H K G H P E V E G T M G Q L E G G L H L V E S V L D V A R I N P A Q T D K V L G A
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UniRef90_UPI00030AA71B H E G H A E V I G T R G Q V D A E V H L V S T E A D V A A L D L L S L E D T P L A
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UniRef90_Q3JAD0 H A G H P E V E G T R G R V K G T V Y V L D S V A S V E N L A V V K D P P E H I A
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UniRef90_D4J8B5 S A D H P E V Q A I S G W C K E E P P V I T E S E E E A R N F K T D P D K K V C
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UniRef90_HOR6M4 H E G H P E V E G T A G E A P E H I Q L V D D G P D H V D D V T V R E N L V
UniRef90_E8R5U7 H E G H D E V V G T M G E A P D R M V L V E S V E D V E R L E V P D P N K L A
UniRef90_H6Q525 H K N H P E V I G T L G Q Y E N K K G K I Y L I E S L K D V Q K V K N V D N L A
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UniRef90_UPI00037DA5AE N R D H P E V E G L R G W C D G P S T V I K T R E A E N F L R E G H V N V C
UniRef90_A3ZR62 H E G H D E V I G T M G E A P E A L L L V E S A E D V N L Q V V A D G S K L A
UniRef90_UPI000255F402 H E G H P E V E G T Y G E A P E H T T I I N N P D E A R T V Q V E D P D N L A
UniRef90_UPI00041A6E21 H E G H P E V E G T Y G E A P E H I Q V V G T P D E V S Q V R V R D P Q R N V A
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UniRef90_H8FQJ7 H A G H P E V I G T L G Q V P D G T V L L V G T P E E A A S V T P R D P D K L A
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UniRef90_A3JYE5 H A G H P E T V I G T M G Q L P A G E V L L V E T P D D V A H V E V R D P E K L A
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UniRef90_A3TW60 H A G H P E T I G T M G Q L P A G E V L L V E T E A D V A T L E V R D P E Q K L A
UniRef90_S2Z7Y1 N A E H P E V I G T M G W S L L P V T V I Q D A E A E A Q L S L P E E Q R I C
UniRef90_G9ZZK0 H E G H P E V I G T M G Q L P E G T A T L V E T V E D A E A V Q P P E A L A
UniRef90_T0DY06 D S K H P E V I G T I N G W C N N E A I T I K T I E D L E N T E F D K S K K Y C
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UniRef90_UPI0003B78F96 N Q S H P E V K G L C G W V S G K N V T V V N N L D E A K N F Q L K D E N K I V
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UniRef90_Q1IQW0 H H D H D E V I G T L G E A P D V T Y V I S T P E E V Q T L E I P D P N R V A
UniRef90_R5VPA5 D G K H P E V K G I M G W C M S E P V V I G T E E A E K F V Q S C P S E N I S
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UniRef90_UPI0003B39C56 D K D H A E V K G I L G Y C E G K G Y V V S E E D V A N L P P F K D Y
UniRef90_UPI0003468160 H V G H P E V E G T F G E A P E S T V V V E T A M D V A E L E V A D P A R V S

	210	220	230	240
UniRef90_Q21TE6	D A V K V M S P L V D V V I V V	G G S P T S S N S R R L R E E V	A R K L G T E S H M	
UniRef90_L0K9A8	D E A A R L A Q D M D L M I V I	G G Y N S S N S N R R L A E I	C R E N G A I T H H	
UniRef90_G7Z6I0	A A V K A I A P K V D A L L V V	G G S P N S S N S N R R L V E V	A K L D H G C P A Q Y L	
UniRef90_UPI00037926E5	H V V R E I A D K C D L V I V V	G G S Q N S S N S N R R L V E V	A L D Y G G A K A Y L	
UniRef90_E1VGG8	D A V K T L A L E N E V V F V V	G G S P N S S N S N R R L R E L	A E R D C G A K A Y L	
UniRef90_UPI00031E2B42	T A L R V L A Q Q C D L V L V V	G G A A N S S N S N R R L R A I	A A E T G G V P A Y R	
UniRef90_UPI00037B056B	V A V K E I A P Q C D L M I V V	G G S A Q N S S N S N R R L R A I	A L Q A G G A K D H L	
UniRef90_K0K9I5	D A V R E V A R D A D L V L V V	G G S A N S S N S N R R L V E V	A L R R A Q G T P A H L	
UniRef90_A7HQX6	E A V K A I A P L V D A M L V I	G G A P R A S S N S N R R L V E V	A R R A G E C C R N T Y Y	
UniRef90_R5HLN3	T E A E R I A K E V D A M I V I	G G G P R A S S N S N R R L F E I	C K K E C C R N T Y Y	
UniRef90_UPI00030AA71B	S A V R D L C K V A D L I L V V	G G S E R A S S N S N R R L R D L	G A D E E G L P S Y L	
UniRef90_Q2RYD1	S A V R E L A R E A D L L L V V	G G S R R A S S N S N R R L R E I	G A E M G A P S F L L	
UniRef90_D7B7I5	D A V K A M A P E C E L V I V V	G G S D N S S N S N R R L V E V	A L D A G G A D A H L L	
UniRef90_Q3JAD0	N A V R E M S K K V D I L L V V	G G A R N S S N S N R R L R E V	G E Q N G G I T A H L L	
UniRef90_F4D0Z9	R A I R A V A A D V D L V I V V	G G S P T N S S N S N R R L A E V	A A R N A G G V P A Y L	
UniRef90_D1BKR9	V A V K A L A P E C D L V I V V	G G S T N S S N S N R R L V E V	A L R N A G G A P A H L	
UniRef90_K8E0D4	R A A L E L A Q K V D V M V V V	G G G K N S S N S N R R L A R I	C Q E T G T P T Y H	
UniRef90_UPI00037C534D	V A V K K V A E Q A E L I I V V	G G S Q N S S N S N R R L V E V	A L D A G G A P A H L	
UniRef90_F8AWC7	V A V K E I A S Q V E L I L V V	G G S P N S S N S N R R L V E V	A L D H G V P A H L	
UniRef90_D4J8B5	S E A R E I A G R V D A M I V I	G G G R Q S S N S N R R L Y D I	C K N E C C K N T Y Y	
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UniRef90_F2R1B7	T A I L K E A G Q A E L V I V V	G G S K N S S N S N R R M V E V	A K Q A G G V P A Y L	
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UniRef90_UPI0003707DF7	K A A L E L S Q E V D L M L V V	G G G E K N S S N S N R R L A Q L	C S E R V G C K A Y H	
UniRef90_D3D9I3	N A V R R L A A E A D L M L V V	G G S E K N S S N S N R R L R E V	S E R D G V A A H L	
UniRef90_W5WQR6	V A V K A I A P K V E L M I V V	G G S Q N S S N S N R R L V E V	A L Q H G G V A A Y L	
UniRef90_D3F288	L E A V K Q L A R A C D L V L V V	G G S N S S S N S N R R L V D V	T R E L S G T S Y L	
UniRef90_UPI000376E5EE	R E A A H L S K K V D M M I V I	G G G Y N S S N S N R R L A E I	C S E S G V Q T H H	
UniRef90_A0A059DZK7	D A V K V L A P G T D L V L V I	G G A T T S S N S N R R L V E V	A K R A G A R S E L	
UniRef90_HOR6M4	V A V K A M A P H C E L V I V V	G G S Q N S S N S N R R L V E V	A L Q N G A D S Y L	
UniRef90_E8R5U7	E A I R E L A P H Q C A D L V L V	G G S Q N S S N S N R R L A E I	A N L L G T P A H L	
UniRef90_H6Q525	N A V K L L I K F V D I M L V V	G G K N S S S N S N R R L L E L	A K K S K K P A Y L	
UniRef90_G1XXX5	T A V K A I A E K A D A I L V L	G G A P N S S N S N R R L V E V	A A E H G C T R A S M L	
UniRef90_I4B8V3	E A V S A I A P K V K V M F V I	G G G R N S S N S N R R L K E L	A E S E G T N R A F L	
UniRef90_B2V9Y7	E E V K K I A P E V D V M I V I	G G G K H S S N S N R R L Y Q I	S K A L N P N T Y H	
UniRef90_X1A8E6	K S A R N I A S T N V D L M L V V	G G S E K N S S N S N R R L A E I	G G K N F N E N T S H L	
UniRef90_Q029M3	M A V K A I A N K N V D L L V V	G G S E K N S S N S N R R L V E V	G D N F G V R S H L	
UniRef90_D9S3E0	K A A K K V A E S V E V M L V V	G G G K N S S N S N R R L A Q L	C Q N V G A K V Y H	
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UniRef90_UPI0003A30499	A A V K A I A E R C D L L L V I	G G S A N S S N S N R R L V E V	G E L A A G S D K A R	
UniRef90_R7Y0F2	L A V K E I S P N A D L V I V V	G G S R N S S N S N R R L V E V	A L E A G A K S Y L	
UniRef90_E3I0A0	M A V R E L S K I A D V I L V V	G G A K N S S N S N R R L R E I	G E E A G G P S Y L	
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120
C D L L D E N G V R Y V D A T C P F V T K K I H R L V E E K S R Y D G Y H I V I I G
P E E A H R R R K F F S L D D A T C P F V T K K V H H R E A A H F K R R G G Y R E I V L L I G
R E A A S R R R N Q L T E I Y D D A T C C G L V S K V H H S A V K R R Y A A E Q Q G G Y Q Q V V L L I G
P A E A E R R R N M L I Y V D D A T C C P L V T K V H H R I L V K K E S L A S G G R R H I V L L I G
Y E L L E Q K N I A Y V D D V T C C P F V L K I H H R I V K K E S L A S G G R R H I V L L I G
R G E A E R R R G L F T Y D D G T C C C P L V T A K V H H A E A R R Y A G A R G G D H P I V L L I G
R A Q A G R R K G L R V V D D A T C C C P L V T K V H H V E A R R F A A R G G D T V V L L I G
R Q Q A A D R Q L R Y E V D D A T C C P L V T K V H H V Y V K K A A A K G G E N T I V L L I G
Y D A D A E T K K N I Q F I D D G T C C C P F V S K R L H H R E A E L L N K Q Q K Q Q I I I I G
Y E E A E K E G L K V V D D A T C C P F V Q K A Q H L A A E S A Q K Q G H Q I V I V V G
V K A S K E R G M K I V D D A T C C C P L V S K V H H F E A I R Y A K Q Q G Y K I I I I G
Y E D I K N K G L L N D D A T C C P Y V K K I H H N L V N K K C T E D G G Y K D I I I V G
Y E E I K K K G L T Y T D D A T C C P F V K E A Q K F A K Q L Y E D G G Y K D V V I I F G
Q D E L A E A S G C N V V D D A T C C C P F V K K I H H N T V S K Y A A A E G G D I V L I G
P D K A T E R G L V F L D D A T C C C P L V S R V H H R Q A E R L V E A G R E H I V F I I G
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Y Q E A Q R L Q V I E V V D D A T C C C P F V Q K A Q R L A A E A S K E T S Q Q V V I V V G
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Y D A T I Q K G A Q I T D D A T C C C P L V S K V H H K E A Q T H F K R R D R E I V L I G
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I R Q L E K Y D I K I V D D A T C C C P F V S K V H H R I V I Q Q K Y R E M G G Y R I V I I G
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I E V L D K G L K V I N A T C C C P Y V T N I H H K K V D K Y S K M G G Y S E I V I L G
Q D A L E K K D L S I V D D A T C C C P F V K K I H H N I V H E K W N E D E G G Y P V I I V G
F R E A L R R C G E V I D D G T C C C P F V R K A Q E R A M V L S D E D E G G Y P V I I V G
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I V R A S E I Q W E A L E G L V T K V G L L T A G A S T A P P E Q V L V E E Q N C I M G A F A E
I I Q T L A D L D F D R F A Q S V Q T Y V G L L T A G A S T A P P E N K L I V E E V L S K H V R
I D D A S G L R P E W F A G A R V I V G L L T A G A S T A P P E H H L V E E S G V I A A L L R E G
I D D A G G I E P E W L H G A G R V I V G L L T A G A S T A P P E D I V Q G G V I D K L L
I V N C A D D V K P E W L E G V K R V I S G L L T A G A S T A P P E V L V D R R L I G T M S E E
I H Q E F K L P T D L I F D K K S K C K I G L L T A G A S T A P P E V L V D R R L I G T M S E E
I E T A E E L E A D W F S E A K T A G L L T A G A S T A P P E A I I K E E V F K K M S E A
I V N C A E G L D P K W F E G K Q T L G L L S A G A S T A P P E K I I E E S A V I D R K M S K A D
I V E T S G D L P P V D I K K I K K I G L L T A G A S T A P P E K I I E E S A V I D R K M S K A D
I I E T E K E I N P E W F K D A E K V I G L L T A G A S T A P P S Y I I E E R V Y N Y I K G K
I Q T L K D L D T E L L N D G L S L G L L T A G A S T A P P E K N I I E E R V L T A C Q K
I Q R A A E L D F A F L I N D G V K L G L L T A G A S T A P P E V L V R E L V D R L L
I N D Y T E L L P E M I T G Y R V I G L L T G G A S T A P P E Y L L K D L V R E L L R N
I E T A D E L E N N W F K S V E T V G L L T A G A S T A P P D W I I E E E V N Q N Y V R N
I Q T L G D D L N M N Q L K S V K T V G I T A G A S T A P P K N I I E E E V Q Q N N V R R
I V E T V D D L P K D F P E G S I Y K V I G V T A G A S T A P P K N I I E E E V Q T Y V R
I V E N A S E I P N D L I E N S I G V T A G A S T A P P D W I I K E E A I S K M S E K
I E N S Q E L N L D C L I G V D K V I G V T A G A S T A P P D Y V I K E E V I K K I E K
I Q R A A D I D W A Q L G D I K R K V G V T A G A S T A P P E L L V E E M I D A F A A
I V E T A S Q I D E Q W F G V I K K V G V T A G A S T A P P K W I I D E E V I D R V I S A
I Q T L D D L N L E L F Q S F R S V G L L T A G A S T A P P N N I I K E E V Q A N V R I E
I D D A S G L D P A W F E G V E T V L L A G A S T A P P E T V V E E V I K R W L I E
I V E G A Q D L D R I D L E G Q A R T I V G L L A A G A S T A P P E T V V E E V I A A L L Q
I I E N S K E L K E D F I E N F K T V G I T A G A S T A P P D W V I K E E I I D I M E R
I Q T L D D L D L N L F Q S F R S V G L L A A G G S T A P P D W L I R E L I E R L E K
I H P D E L D Y G W L A D K G S I G L L A A G A S T A P P D W L I R E L I E R L E K
L N G E T D D I S D L L H N S T K L G I T A G A S T A P P E L L V S N L I A K I K K
I V S C A D D V D W S S L G S I R T V S I S T A G A S T A P P E S D L V E E G L I E A F R E
I D E F A N D L D L D V I K K F S R I V G L L T A G A S T A P P E S K V M E I A Q L E S E
I E E A S Q I E K T D V E R V D S I S I G V T A G A S T A P P E D V V Q S I V A K L C
I E T A A E L R P A W F E G V A T V G L L T A G A S T A P P K W I I D E E V M G R L G E E
I V E T A A E L R P E W F M G V S R A V G L L T A G A S T A P P D W I I D E E V E K R M R E
I D G I D D I D V R W V E G V E T V G V T A G A S T A P P E L L V Q E E V V D C L
I G S Y E N L D L S W F A D T K K I G V T A G A S T A P P A L L V E E E V L L K Y F S S D
I I Q T V S N L N L K N V D S I R S I V G L L T A G A S T A P P K K I I E E E V L N V R Q A
I D G A E D L Q R N W F D G V E R I G I T A G A S T A P P E V L V R G V I Q Q L L Q A
I V E T A D E L P L D A L K K H D S T L G L L T A G A S T A P P T W I I D E E V Y D K M
I I T G R E D L P P D R L K D I S T I G L L T A G A S T A P P E N L M D E E V I E E L S
I E N A K E L P Q S L I D S I N T I G V V T A G A S T A P P D W I I K E E V I E E M E R E
I Q R A E H I R D W R A L S G I R S V G L L T A G A S T A P P E V L V T E E V I D A F R E
I V E D P S R I R P D W L R D T A T V G L L T A G A S T A P P A L L V Q E E T L A A L A G R E
I E T A E E L Q L A W F D N I E K I G L L T A G A S T A P P D W I I K E E V Y K K C Q R E
I V Q R A S E I P W D E V D G I R V L V G L L S A G A S T A P P E L I V N E I I D A F R E
I I E T K E I D K S V L I G V N K V G V T A G A S T A P P K N I I R E E V L D I M
I E N A K D L P I S F I K N I N K I G V T A G A S T A P P D W I I R E E V L D I M
I Q T A E D L S S I D L S F A S L G I T A G A S T A P P N T I I Q Q E V I R A C Q K
I D S Y K E I D L N L N D I T K I G I T A G A S T A P D I L V Q Q Q V I D F L K Q
I V E R A G E L C R Q W F I N T R R V V G V T G G A S T A P A W I I E E E V V
I Q T L V D D L D L D A F Q S F R S V G L L T A G A S T A P P N N I I K E E V Q T A C Q N
I Q T L D D L H L E L P K A V R L V G I T A G A S T A P P N K L I E E E V Q N Y V R N
I I Q T L D D L D P A E L R T I D N V G I T A G A S T A P P N K I I E E E V Q N N V R N
I Q T P V D L D S E M F Q C S S C V G I T A G A S T A P P K K I I E E E V Q E H V M S E
I E T I C D L V L N N F G K D D K I G I T A G A S T A P P A I I K E E V V T M S E
I Q T L A D L K L D L P N S V E L V G I T A G A S T A P P N K I I E E E V Q N Y V R N
I E T V A E L Q D E W F E N K I K K I G I T A G A S T A P P D W I I K E E V Y Q K C K N
I E N V A E L P K E F I E N F E K I G I T A G A S T A P P D W I I K E E V I D K L E K S
I E S K E Q L P L N K L E K S D I I G I T A G A S T A P P D W I I N S I V D E L E K S
M H S D Q A E L P V D K L K S N K N I G V T S G A S T A P P E L L V E N L I K E I K M S
I E T A E E L D P A W F S P T S E V G I T A G A S T A P P Q Y Q I D E N L Y K R L M S
I D D F K D L K E S W F R G C E R V G I T A G A S T A P E S L V E G V V V W L
I V E T S E L D T N A L A K S D H I G I T A G A S T A P P N W I I K K I Y R E L L E A
I D S F D S I N P I W L I D K K H I G I T A G A S T A P P E V I D Q V V E F L L K S G
I D D V G D L D L G W L A D V T T V G L L T A G A S T A P Q E L V D E I V T A I G G
I Q Q R G E I D W E I F R S V I P S L V G L L T A G A S T A P P E V L V E E V I M D A F A E
I Q T L D D F D M N Q L R S V E T V G I T A G A S T A P P N N I I E E E V Q N N V R
I V Q R A S E I P W N D I G D I S T L G L L S A G A S T A P E I I V D E L I D A F R A
I V E N A K E I P E H L Y K N S N I G V T A G A S T A P P D W I I K E E A I N K M
I Q T P D D L D I R K L R L F R C V G I T A G A S T A P P N N I I E E E V R T R M A E
I I E G A S E L E A P W F D G A E L I G V T A G A S T A P Q S Q I D E E V V E R I G E N
I E T A G E L K P S W F H S R D K I G I T A G A S T A P P D W I I K E E V V C I M E N
I E N A S D I P L E L I K S I N L I G I T A G A S T A P P D W V I K E E V V E I M E N
I Q T L V D L D L T V I E S A K R V I G I T A G A S T A P N Y I I K E E V H D S M S E
I V Q T V K D L N L H E L K S L K S I G I T A G A S T A P P K N I I E E E V V
I Q T L D D L H L E L P K A V K L V G I T A G A S T A P P K N I I E E E V V Q N H V R T
I E T A E E L Q P A W F I D V E T A G V T A G A S T A P P D W I I E E E V C R K M Q D
I H S E S E I P Y N K I Q Q V N T I G I S S G A S T A P P E L L V D N E F I N G L K N E
I Q T A D D I P P V D I K K I K K I G I T A G A S T A P P E L L V D N E F I N G L K N E
L Q D A S E I T G P M L A G A Q K I G I T A G A S T A P Q E I I E E E A I G T M E T
I E T L V D L D P P R F Q S F S R V I G I T A G A S T A P P S L I E E E V I D Y V I R A
I E D S S E L E A S W F T G V E H I G V T A G A S T A P A A H I D R A V E K I R A
I E T K D E L S E K M F E N I E K V G I T A G A S T A P P D Y L
I Q T L D D L H L D I S G E V K L V G I T A G A S T A P P R N I T E E V Q L N A Y L R Q
M Q D P K E L T L S F I D G A A V I G L L T A G A S T A P P E N D L V E E V Q N H V R T
I E T A E E L Q P A W F I D V E T A G V T A G A S T A P P D W I I E E E V C R K M Q D
I H S E S E I P Y N K I Q Q V N T I G I S S G A S T A P P E L L V D N E F I N G L K N E
I Q T A D D I P P V D I K K I K K I G I T A G A S T A P P E L L V D N E F I N G L K N E
L Q D A S E I T G P M L A G A Q K I G I T A G A S T A P Q E I I E E E A I G T M E T
I E T L V D L D P P R F Q S F S R V I G I T A G A S T A P P S L I E E E V I D Y V I R A
I E D S S E L E A S W F T G V E H I G V T A G A S T A P A A H I D R A V E K I R A
I E T K D E L S E K M F E N I E K V G I T A G A S T A P P D Y L
I Q T L D D L H L D I S G E V K L V G I T A G A S T A P P R N I T E E V Q L N A Y L R Q
M Q D P K E L T L S F I D G A A V I G L L T A G A S T A P P E N D L V E E V Q N H V R T
I E T A E E L Q P A W F I D V E T A G V T A G A S T A P P D W I I E E E V C R K M Q D
I H S E S E I P Y N K I Q Q V N T I G I S S G A S T A P P E L L V D N E F I N G L K N E
I Q T A D D I P P V D I K K I K K I G I T A G A S T A P P E L L V D N E F I N G L K N E
L Q D A S E I T G P M L A G A Q K I G I T A G A S T A P Q E I I E E E A I G T M E T
I E T L V D L D P P R F Q S F S R V I G I T A G A S T A P P S L I E E E V I D Y V I R A
I E D S S E L E A S W F T G V E H I G V T A G A S T A P A A H I D R A V E K I R A
I E T K D E L S E K M F E N I E K V G I T A G A S T A P P D Y L
I Q T L D D L H L D I S G E V K L V G I T A G A S T A P P R N I T E E V Q L N A Y L R Q
M Q D P K E L T L S F I D G A A V I G L L T A G A S T A P P E N D L V E E V Q N H V R T
I E T A E E L Q P A W F I D V E T A G V T A G A S T A P P D W I I E E E V C R K M Q D
I H S E S E I P Y N K I Q Q V N T I G I S S G A S T A P P E L L V D N E F I N G L K N E
I Q T A D D I P P V D I K K I K K I G I T A G A S T A P P E L L V D N E F I N G L K N E
L Q D A S E I T G P M L A G A Q K I G I T A G A S T A P Q E I I E E E A I G T M E T
I E T L V D L D P P R F Q S F S R V I G I T A G A S T A P P S L I E E E V I D Y V I R A
I E D S S E L E A S W F T G V E H I G V T A G A S T A P A A H I D R A V E K I R A
I E T K D E L S E K M F E N I E K V G I T A G A S T A P P D Y L
I Q T L D D L H L D I S G E V K L V G I T A G A S T A P P R N I T E E V Q L N A Y L R Q
M Q D P K E L T L S F I D G A A V I G L L T A G A S T A P P E N D L V E E V Q N H V R T
I E T A E E L Q P A W F I D V E T A G V T A G A S T A P P D W I I E E E V C R K M Q D
I H S E S E I P Y N K I Q Q V N T I G I S S G A S T A P P E L L V D N E F I N G L K N E
I Q T A D D I P P V D I K K I K K I G I T A G A S T A P P E L L V D N E F I N G L K N E
L Q D A S E I T G P M L A G A Q K I G I T A G A S T A P Q E I I E E E A I G T M E T
I E T L V D L D P P R F Q S F S R V I G I T A G A S T A P P S L I E E E V I D Y V I R A
I E D S S E L E A S W F T G V E H I G V T A G A S T A P A A H I D R A V E K I R A
I E T K D E L S E K M F E N I E K V G I T A G A S T A P P D Y L
I Q T L D D L H L D I S G E V K L V G I T A G A S T A P P R N I T E E V Q L N A Y L R Q
M Q D P K E L T L S F I D G A A V I G L L T A G A S T A P P E N D L V E E V Q N H V R T
I E T A E E L Q P A W F I D V E T A G V T A G A S T A P P D W I I E E E V C R K M Q D
I H S E S E I P Y N K I Q Q V N T I G I S S G A S T A P P E L L V D N E F I N G L K N E
I Q T A D D I P P V D I K K I K K I G I T A G A S T A P P E L L V D N E F I N G L K N E
L Q D A S E I T G P M L A G A Q K I G I T A G A S T A P Q E I I E E E A I G T M E T
I E T L V D L D P P R F Q S F S R V I G I T A G A S T A P P S L I E E E V I D Y V I R A
I E D S S E L E A S W F T G V E H I G V T A G A S T A P A A H I D R A V E K I R A
I E T K D E L S E K M F E N I E K V G I T A G A S T A P P D Y L
I Q T L D D L H L D I S G E V K L V G I T A G A S T A P P R N I T E E V Q L N A Y L R Q
M Q D P K E L T L S F I D G A A V I G L L T A G A S T A P P E N D L V E E V Q N H V R T
I E T A E E L Q P A W F I D V E T A G V T A G A S T A P P D W I I E E E V C R K M Q D
I H S E S E I P Y N K I Q Q V N T I G I S S G A S T A P P E L L V D N E F I N G L K N E
I Q T A D D I P P V D I K K I K K I G I T A G A S T A P P E L L V D N E F I N G L K N E
L Q D A S E I T G P M L A G A Q K I G I T A G A S T A P Q E I I E E E A I G T M E T
I E T L V D L D P P R F Q S F S R V I G I T A G A S T A P P S L I E E E V I D Y V I R A
I E D S S E L E A S W F T G V E H I G V T A G A S T A P A A H I D R A V E K I R A
I E T K D E L S E K M F E N I E K V G I T A G A S T A P P D Y L
I Q T L D D L H L D I S G E V K L V G I T A G A S T A P P R N I T E E V Q L N A Y L R Q
M Q D P K E L T L S F I D G A A V I G L L T A G A S T A P P E N D L V E E V Q N H V R T
I E T A E E L Q P A W F I D V E T A G V T A G A S T A P P D W I I E E E V C R K M Q D
I H S E S E I P Y N K I Q Q V N T I G I S S G A S T A P P E L L V D N E F I N G L K N E
I Q T A D D I P P V D I K K I K K I G I T A G A S T A P P E L L V D N E F I N G L K N E
L Q D A S E I T G P M L A G A Q K I G I T A G A S T A P Q E I I E E E A I G T M E T
I E T L V D L D P P R F Q S F S R V I G I T A G A S T A P P S L I E E E V I D Y V I R A
I E D S S E L E A S W F T G V E H I G V T A G A S T A P A A H I D R A V E K I R A
I E T K D E L S E K M F E N I E K V G I T A G A S T A P P D Y L
I Q T L D D L H L D I S G E V K L V G I T A G A S T A P P R N I T E E V Q L N A Y L R Q
M Q D P K E L T L S F I D G A A V I G L L T A G A S T A P P E N D L V E E V Q N H V R T
I E T A E E L Q P A W F I D V E T A G V T A G A S T A P P D W I I E E E V C R K M Q D
I H S E S E I P Y N K I Q Q V N T I G I S S G A S T A P P E L L V D N E F I N G L K N E
I Q T A D D I P P V D I K K I K K I G I T A G A S T A P P E L L V D N E F I N G L K N E
L Q D A S E I T G P M L A G A Q K I G I T A G A S T A P Q E I I E E E A I G T M E T
I E T L V D L D P P R F Q S F S R V I G I T A G A S T A P P S L I E E E V I D Y V I R A
I E D S S E L E A S W F T G V E H I G V T A G A S T A P A A H I D R A V E K I R A
I E T K D E L S E K M F E N I E K V G I T A G A S T A P P D Y L
I Q T L D D L H L D I S G E V K L V G I T A G A S T A P P R N I T E E V Q L N A Y L R Q
M Q D P K E L T L S F I D G A A V I G L L T A G A S T A P P E N D L V E E V Q N H V R T
I E T A E E L Q P A W F I D V E T A G V T A G A S T A P P D W I I E E E V C R K M Q D
I H S E S E I P Y N K I Q Q V N T I G I S S G A S T A P P E L L V D N E F I N G L K N E
I Q T A D D I P P V D I K K I K K I G I T A G A S T A P P E L L V D N E F I N G L K N E
L Q D A S E I T G P M L A G A Q K I G I T A G A S T A P Q E I I E E E A I G T M E T
I E T L V D L D P P R F Q S F S R V I G I T A G A S T A P P S L I E E E V I D Y V I R A
I E D S S E L E A S W F T G V E H I G V T A G A S T A P A A H I D R A V E K I R A
I E T K D E L S E K M F E N I E K V G I T A G A S T A P P D Y L
I Q T L D D L H L D I S G E V K L V G I T A G A S T A P P R N I T E E V Q L N A Y L R Q
M Q D P K E L T L S F I D G A A V I G L L T A G A S T A P P E N D L V E E V Q N H V R T
I E T A E E L Q P A W F I D V E T A G V T A G A S T A P P D W I I E E E V C R K M Q D
I H S E S E I P Y N K I Q Q V N T I G I S S G A S T A P P E L L V D N E F I N G L K N E
I Q T A D D I P P V D I K K I K K I G I T A G A S T A P P E L L V D N E F I N G L K N E
L Q D A S E I T G P M L A G A Q K I G I T A G A S T A P Q E I I E E E A I G T M E T
I E T L V D L D P P R F Q S F S R V I G I T A G A S T A P P S L I E E E V I D Y V I R A
I E D S S E L E A S W F T G V E H I G V T A G A S T A P A A H I D R A V E K I R A
I E T K D E L S E K M F E N I E K V G I T A G A S T A P P D Y L
I Q T L D D L H L D I S G E V K L V G I T A G A S T A P P R N I T E E V Q L N A Y L R Q
M Q D P K E L T L S F I D G A A V I G L L T A G A S T A P P E N D L V E E V Q N H V R T
I E T A E E L Q P A W F I D V E T A G V T A G A S T A P P D W I I E E E V C R K M Q D
I H S E S E I P Y N K I Q Q V N T I G I S S G A S T A P P E L L V D N E F I N G L K N E
I Q T A D D I P P V D I K K I K K I G I T A G A S T A P P E L L V D N E F I N G L K N E
L Q D A S E I T G P M L A G A Q K I G I T A G A S T A P Q E I I E E E A I G T M E T
I E T L V D L D P P R F Q S F S R V I G I T A G A S T A P P S L I E E E V I D Y V I R A
I E D S S E L E A S W F T G V E H I G V T A G A S T A P A A H I D R A V E K I R A
I E T K D E L S E K M F E N I E K V G I T A G A S T A P P D Y L
I Q T L D D L H L D I S G E V K L V G I T A G A S T A P P R N I T E E V Q L N A Y L R Q
M Q D P K E L T L S F I D G A A V I G L L T A G A S T A P P E N D L V E E V Q N H V R T
I E T A E E L Q P A W F I D V E T A G V T A G A S T A P P D W I I E E E V C R K M Q D
I H S E S E I P Y N K I Q Q V N T I G I S S G A S T A P P E L L V D N E F I N G L K N E
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L Q D A S E I T G P M L A G A Q K I G I T A G A S T A P Q E I I E E E A I G T M E T
I E T L V D L D P P R F Q S F S R V I G I T A G A S T A P P S L I E E E V I D Y V I R A
I E D S S E L E A S W F T G V E H I G V T A G A S T A P A A H I D R A V E K I R A
I E T K D E L S E K M F E N I E K V G I T A G A S T A P P D Y L
I Q T L D D L H L D I S G E V K L V G I T A G A S T A P P R N I T E E V Q L N A Y L R Q
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I E T A E E L Q P A W F I D V E T A G V T A G A S T A P P D W I I E E E V C R K M Q D
I H S E S E I P Y N K I Q Q V N T I G I S S G A S T A P P E L L V D N E F I N G L K N E
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I E T L V D L D P P R F Q S F S R V I G I T A G A S T A P P S L I E E E V I D Y V I R A
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I E T K D E L S E K M F E N I E K V G I T A G A S T A P P D Y L
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I I D C A S E I L K E N W L Q G I N
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V V E D E R D L K M Q W F A G K E T C G I T A G A S T P D W I I E E R V Q D K L A Q E
V V E T A D E L D P A W L A G A E T V G V I T A G A S T P P S S I I E E E V L N S M S E
I I E D E N E L E S E W F R D K K H C G V T A G A S T P D W I I Q N V I N S T E K
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I I E N I G K F L D N L Q S D D I V I G I T A G A S T P D R M I R E V I Q V M S E
I I E D F S E L D S K W F L E K Q L C G V I T A G A S T P N W I I D K V V N T I K S E
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Y A L A E Q N R I T L V D A T C P V V L Q L Q K R V K N V Y A Q M A Q I V I F G G
R R T L I Q K A G V L I V D A T C P R V L V N Q K R A A D Y T A Q G Y M L V I A G G
E M E F K N I S M T S V N S V C P L V T K V H H E A K K F S E N G K K I I Y V G G
M Q L L N D K G C T I V D T T C P V V S K V W N T V E K H K K R E Y T S I I I H G G
M E E M R R G I R V V D A T C P L V T K V H H M Q V A R A S R K G T K A I L I G G
K E K A A K R G L I C V D A S C P D V L S T Q A L I K N A L J E D G K H V A Y I G G
M R L L H E R G A E L V D T T C P V V S K V W N A V D N Q A R R G H T S V I I H G G
M K L L A E K G A S I V D T T C P V V S K V W N A V D A H T R K E F T S I I I H G G
M Q L L N E R Q C T I V D T T C P V V S K V W S T V E R H H K R D F T S I I I H G G
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I K L A E D L G L I V D T K E W V L E T E N L I N K Y A T R Q G F D I F I G G
M Q L L N E R G C H I V D T T C P V V S K V W N T V E K H K K H T F T S V I I H G G
K E K A L R K G L Q C V D A S C P D V V K T Q Q D I V E M Q L K K N G C D V L Y I G G
M Q L L N D K G C K I M D T T C P V V S K V W N S V E K H K K G S Y T S I I I H G G
M Q L L S E K G C K I V D T T C P V V S K V W N T V E K H K K G D H T S I I I H G G
Y Q T A R E N N I E I V D A T C P V V L Q L Q R R I K E A Y E R P S A I I I Y G G
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Y K D S Q T K N L D I D T T C P F V K K I H E L A K N E Y K N G Y K I V I G G
Y N K A Q K M E I T L K D L T C P K V L K I H D F V E E Y G K N E D Y I F L I G G
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M Q I L D E K N C V I V D T T C P V V S A V W N R V G K Y D R A E F T S I I I H G G
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V V V Q T T Q A R A A L R E L A S A L I G R V V E L R I I D T I C
I A N Q T T M L K S E T E S I G K L L K K Y G P H F M S F N T I C
L Y S Q T T K S T Q G F Y K M K D L I K N V D E N F E Y N D S D I C
V T N Q T T L S R Y D I N E V L N V L V K Y P N L L F D D D I C
F L A Q T T Q S S L A L F H R M A D I R T R C P E V T I R D T I C
L Y S Q T T K S L D E F H R I I D Y I Q R H I A P F R S F D T I C
I A N Q T T M L K G E T E A I G K L L E K T M M H F M S F N T I C
L F S Q T T K S L E G F Q A I A A L L K E K G A Q V V V N D T I C
I A N Q T T M L K S E T E F E A I G K L L K K Y G P H F M S F N T I C
V A N Q T T M L K G E T E I G K L V E R T M M H F I S F N T I C
V L A Q T T F P S V L L I Q Q F E N W V R E Q G L G V R I V H T L C
E F T Q T T L S V D E T R H V I V E A L K K K Y P K I I G P D D T C
L F S Q T T K S L D G F R N I A G I L Q E K G D E V V V Y D T I C
I A N Q T T M L K G E T E Q I G K L F E H T M Q H F L S F N T I C
I A N Q T T M L K T E T E Q I G K L F E H T M M H F Q N F N T I C
A V A Q T T C I R T I W E T S K E I L K K C T N A K I F D T I C
I A A Q T T Q P I E K V I Q R L V G L V R K K F P E V R F V D T V C
V T N Q T T L S K V I D T K K I Y D K I K S K F P E A V F K N S D L C
L L A Q T T L A K L P D W E A I A A V A S Q T P N L P G R N D L C
L F S Q T T K S P E V F K N I A A A L R R N N V E V Q N D T I C
L F S Q T T Q P I D H V I E S I V E C I K A A F P E I R F T D T V C
F T S Q T T F R A K K Y A E I I K I K D R L K T V E I F D T I C
I F S Q T T K S P A E Y A E I C D R V R S L G D R V T V H D T I C
M V A Q T T F N T S E W Q K C V E T A K K L Y T K P K I E D T I C
V L S Q T T E K Y E N F E N A I V I K T A V S E K C K D V V S L N T I C
Y V I T Q T T L S I D D T R D I I A A L K L R F P G I T G P D D I C
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L F S Q T T K P L E G F Q T L I N Y L T E H I K E F K C F D T I C
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D A M Y K L V E D V D L I L V V V G G G F N S S N T S H L Q E I A E F R G G T P C Y W
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K A V I D Q E D S D L I V V V V G G D Q L S S N S N K A L A F V V S H S R N I K S I R
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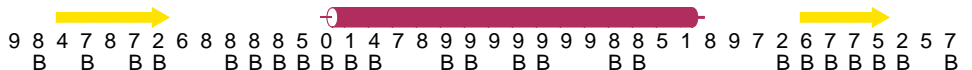
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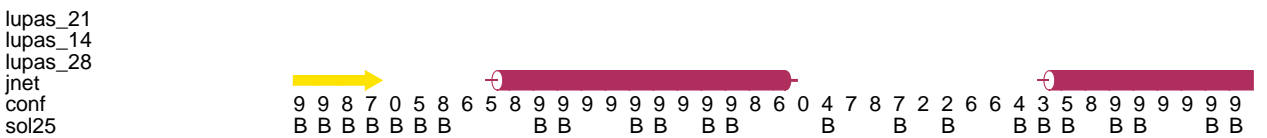
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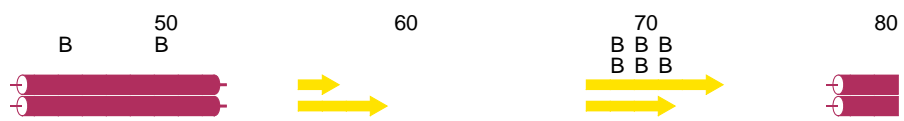
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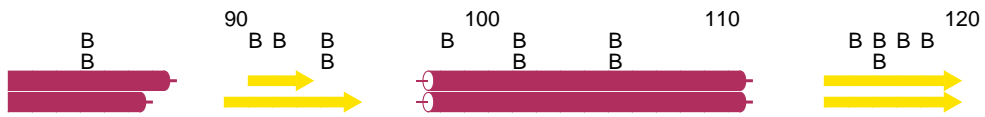
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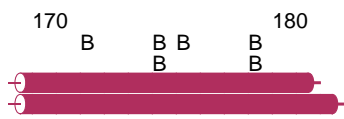
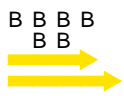
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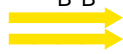
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