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QUERY A D L V M N S E A E K S V T L C C C P L G G P L L S N N I V A W C I D K Y G E K F T S K R I V E E A Q Q E I I
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QUERY	V	I	M	G	G	A	V	D	V	R	G	N	V	F	L	P	S	T	D	G	T	A	E	W	N	I	Y	W	D	P	A	S	A	K	T	V	F	G	C	P	
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UniRef90_L0A415	V	V	M	G	G	S	L	D						S	G	N	W	T	P	S	A	E	F	N	I	L	C	D	P	H	A	A	K	V	V	F	G	A			
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UniRef90_K8GDV5	V	I	M	G	G	A	V	T	H					G	N	I	T	P	S	A	E	F	N	I	Y	V	D	P	H	A	A	Q	V	V	L	R	S				
UniRef90_X7E158	V	L	M	G	G	A	Y	F	E	V	G	N	I							T	P	A	A	E	F	N	I	Y	V	D	P	H	A	A	E	V	F	A	C		
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UniRef90_Q5LQL8	V	L	M	G	G	A	Y	F	E	V	G	N	I							T	P	A	A	E	F	N	I	Y	V	D	P	E	A	A	E	D	I	V	L	K	
UniRef90_U4V5T5	V	L	M	G	G	A	Y	F	E	V	G	N	I							T	P	T	A	E	F	N	I	Y	V	D	P	E	A	A	E	I	V	L	K		
UniRef90_J3HMT7	V	L	M	G	G	G	F	F	E	G	G	N	I							T	P	T	A	E	F	N	I	Y	V	D	P	Q	A	A	Q	I	V	L	Q		
UniRef90_X2HB90	V	L	M	G	G	G	Y	H	V					G	N	W	S	A	V	A	E	F	N	I	K	I	D	P	E	A	A	H	I	V	F	L	N	E	K		
UniRef90_D6Y594	V	V	M	G	G	S								E	R	G	N	H	T	P	Y	A	E	F	N	V	Y	V	D	P	E	A	A	A	E	V	L	K	S		
UniRef90_K9SDA3	V	I	M	G	G	A	I	T	H					G	N	V	T	P	V	A	E	F	N	F	Y	N	D	P	H	A	A	Q	I	V	L	A	S				
UniRef90_F3Y8K5	V	F	M	G	G	A								I	G	L	G	N	W	T	P	T	V	E	F	N	I	F	V	D	P	E	A	A	K	V	L	N	F		
UniRef90_UPI00037C12B5	V	L	M	G	G	G	T	F						G	N	W	T	P	T	A	E	F	N	I	W	A	D	P	E	A	A	K	K	V	F	D	S				
UniRef90_V7EJG8	V	L	M	G	G	A	Y	F	E	V	G	N	I							T	P	A	A	E	F	N	I	Y	V	D	P	E	A	A	Q	A	V	F	R		
UniRef90_UPI00046A3344	V	L	M	G	G	A								A	G	V	G	N	W	T	P	A	A	E	F	N	I	Y	V	D	P	E	A	A	Q	A	V	F	R		
UniRef90_UPI00046A3344	V	L	M	G	G	A								A	G	V	G	N	W	T	P	A	A	E	F	N	I	Y	V	D	P	E	A	A	A	D	M	V			
UniRef90_R7CH05	V	L	M	G	G	G	Y	H						K	A	N	W	S	A	V	A	E	F	N	I	K	V	D	P	E	A	A	H	I	V	F	N	E	S		
UniRef90_A5VJW6	V	F	M	G	G	A	M							G	L	G	N	W	R	P	S	V	E	F	N	I	F	V	D	P	E	A	A	K	I	V	M	N	F		
UniRef90_M8DHU8	V	V	M	G	G	A	V	T	V	P	G	N	I							R	P	V	A	E	A	N	I	C	A	D	P	E	A	A	E	L	V	F	Q		
UniRef90_A9CX87	V	L	M	G	G	A	Y	F	E	V	G	N	I							T	P	A	A	E	F	N	I	Y	V	D	P	E	S	A	K	I	V	F	A		
UniRef90_R9XN91	V	L	M	G	G	G	Y	H						T	G	N	W	S	A	V	A	E	F	N	I	K	I	D	P	E	A	A	H	I	V	F	N	A			
UniRef90_UPI00037795A3	V	L	M	G	G	G	F	F	E	G	G	N	I	T	P	A	A	E	F	N	I	Y	V	D	P	D	A	A	E	I	V	F	F	K	S						
UniRef90_I8QWS3	V	L	M	G	G	S	M	I	G					G	N	W	T	P	A	A	E	F	N	I	L	V	D	P	E	A	A	S	I	V	F	F	K	S			
UniRef90_D7BG55	V	L	M	G	G	S	L	D						T	G	N	W	T	P	A	A	E	F	N	I	L	C	D	P	H	A	A	R	I	V	F	E	S			
UniRef90_N9VI90	V	L	M	G	G	S								A	G	P	G	N	W	T	P	A	A	E	F	N	I	Y	V	D	P	E	A	A	E	L	V	F	Q		
UniRef90_UPI0004704724	V	W	M	G	G	S	T							G	P	G	N	R	T	P	A	A	E	F	N	A	L	A	D	P	H	A	A	D	I	V	F	R			
UniRef90_J2LB25	V																																								
UniRef90_B9JZK2	V																																								
UniRef90_C6VW72	S	L	M	G	G	G								F	R	G	N	M	T	P	L	A	E	F	N	I	Y	T	D	P	E	A	A	A	I	V	F	K			
UniRef90_A3V6K9	V	L	M	G	G	A	Y	F	A	V	G	N	I							T	P	A	A	E	F	N	I	Y	V	D	P	E	A	A	K	I	V	F	A		
UniRef90_D1NUP9	V	L	M	G	G	G	Y	H						T	G	N	W	S	A	V	A	E	F	N	V	K	T	D	P	E	A	A	H	I	V	F	A	E			
UniRef90_UPI00036FEAF1	V	L	M	G	G	A	Y	F	E	V	G	N	I							T	P	T	A	E	F	N	I	Y	V	D	P	D	A	A	K	I	V	F	R		
UniRef90_S3ARD1	V	L	M	G	G	G	Y	H						Q	G	N	W	S	P	V	A	E	F	N	I	V	I	D	P	E	A	A	H	I	V	F	N	E			
UniRef90_D1ARH4	V	L	M	G	G	A	Y	Q						L	G	N	S	T	P	A	A	E	F	N	I	F	A	D	P	E	A	A	Y	V	F	F	S				
UniRef90_UPI0002628822	A	L	M	G	G	G	T	Y						L	G	N	S	T	P	A	A	E	F	N	I	Y	A	D	A	E	A	A	R	I	V	F	E	S			
UniRef90_C5CJ35	V	I	M	G	G	G								I	K	F	G	N	V	T	P	R	A	E	F	N	I	Y	A	D	P	E	A	A	Q	I	V	F			
UniRef90_UPI00036DBFB1	V	L	M	G	G	G	Y	H	V					G	N	W	S	A	V	S	E	F	N	I	K	I	D	P	E	A	A	H	I	V	F	N	E				
UniRef90_D5P1D0	V	G	G	V	T	L	M	G	G	H	H	T	G	N	M	T	P	A	A	E	F	N	I	L	A	D	P	D	A	A	A	I	V	F	F	E					
UniRef90_D0Z4Q9	V	L	M	G	G	A								A	G	V	G	N	W	S	P	A	A	E	F	N	I	F	V	D	P	E	A	A	A	D	I	V			
UniRef90_A3VDT6	V	S	M	G	G	A	Y	F	E	V	G	N	I							T	P	A	A	E	F	N	I	Y	V	D	P	E	A	A	E	I	V	F			
UniRef90_UPI0003B3B65D	V	L	M	G	G	G	Y	H	V					G	N	W	S	P	V	A	E	F	N	I	K	I	D	P	E	A	A	H	I	V	F	N	E				
UniRef90_U5W058	V	F	M	G	G	S	T	E						R	G	N	T	T	P	Y	G	E	F	N	I	V	T	D	P	E	A	A	D	I	V	L	R				
UniRef90_A1B973	V	L	M	G	G	A	Y	F	E	V	G	N	I							T	P	T	A	E	F	N	I	Y	V	D	P	E	A	A	E	L	V	F			
UniRef90_N9BKT5	V	L	M	G	G	A	Y	F																																	

QUERY	G	L	R	R	I	M	F	S	L	D	S	T	N	T	V	P	V	R	S	P	Y	V	Q	R	F	G	E	Q	T	N	F	L	L	S	I	L	V	G	T	M					
UniRef90_A3K6K3	G	A	P	I	T	V	M	P	L	D	V	T	H	K	A	L	V	T	K	P	R	N	D	A	F	R	A	L	L	G	N	S	K	V	G	T	F	A	E	M	T				
UniRef90_A4EW20	G	V	K	I	T	M	M	P	L	D	V	T	H	K	A	L	A	T	R	P	R	I	E	A	I	R	A	L	L	N	D	S	K	V	G	T	F	A	E	M	T				
UniRef90_UPI0002558D24	G	V	P	L	V	V	M	P	L	D	V	T	H	K	V	L	A	T	R	P	R	I	E	A	I	R	A	L	L	N	D	S	K	V	G	T	F	A	E	M	T				
UniRef90_L0A415	G	V	P	L	V	M	F	G	L	N	A	T	H	H	Q	T	P	A	T	P	E	R	V	E	R	F	R	Q	L	L	G	T	R	M	G	E	F	T	A	Q	L	L			
UniRef90_UPI0002FA4CAA	G	L	P	I	V	M	M	P	L	D	V	T	H	H	K	A	L	T	A	S	K	E	D	A	F	R	R	Q	L	L	G	T	R	K	V	G	T	A	T	A	Q	L	L		
UniRef90_G9YCX8	G	L	P	I	V	M	A	G	L	D	V	T	H	H	K	A	R	Q	I	T	M	A	S	E	D	A	F	R	R	Q	L	L	G	T	R	P	I	A	G	V	V	A	D	L	L
UniRef90_K8GDV5	G	L	P	L	T	L	I	P	L	D	V	T	H	H	Q	V	I	A	T	P	E	R	M	Q	A	I	T	A	V	L	N	N	S	V	S	G	A	A	V	G	L	L			
UniRef90_X7E158	G	A	P	I	T	V	M	P	L	D	V	T	H	H	K	A	L	V	T	G	P	R	N	D	A	F	R	A	L	L	G	T	P	V	G	H	A	V	A	E	M	T			
UniRef90_UPI000465FC90	G	V	P	I	V	M	M	P	L	D	V	T	H	H	K	A	L	T	T	R	A	R	V	Q	A	F	R	D	L	L	G	T	R	P	V	G	E	A	T	A	A	L	L		
UniRef90_R0FBP3	G	V	K	I	T	M	M	P	L	D	V	T	H	H	K	A	L	T	S	R	A	R	V	Q	A	F	R	D	L	L	G	T	R	V	G	N	F	T	A	D	M	L			
UniRef90_Q5LQL8	G	A	P	I	V	M	M	P	L	D	V	T	H	H	K	A	L	V	T	K	A	R	N	D	A	F	R	A	L	L	G	T	P	A	G	I	A	V	A	Q	M	T			
UniRef90_U4V5T5	G	A	N	I	T	M	M	P	L	D	V	T	H	H	K	A	L	V	T	K	E	R	N	D	A	F	R	A	L	L	G	T	P	V	G	V	A	V	A	E	M	T			
UniRef90_J3HMT7	G	I	P	T	V	I	L	P	L	D	V	T	H	H	Q	A	L	T	T	A	K	R	I	E	R	F	R	A	M	G	T	K	S	G	D	A	S	V	A	L	L				
UniRef90_X2HB90	W	P	V	T	M	V	G	L	D	L	T	H	H	Q	A	L	V	T	P	E	V	I	E	K	I	K	A	L	L	K	T	K	P	A	K	F	V	L	E	M	L				
UniRef90_D6Y594	G	L	P	V	T	H	G	L	N	V	T	H	H	Q	A	L	V	T	P	D	V	V	E	D	R	F	R	G	L	L	G	T	R	L	G	E	V	C	A	E	L	M			
UniRef90_K9SDA3	G	C	P	I	T	L	I	S	L	D	V	T	H	H	R	A	I	A	T	P	Q	R	V	A	E	L	R	N	L	L	G	S	P	V	A	L	V	V	A	D	L	L			
UniRef90_F3Y8K5	G	I	P	L	V	M	T	P	L	D	V	T	H	H	K	A	Q	I	L	K	S	E	I	E	E	Q	I	K	Y	T	D	D	N	N	V	A	K	V	F	E	G	L	L		
UniRef90_UPI00037C12B5	G	I	P	L	V	M	M	P	L	D	V	T	H	H	K	A	L	T	T	R	A	R	V	Q	A	F	R	A	L	L	G	N	E	A	G	R	M	V	A	E	W	T			
UniRef90_UPI00046A3344	G	L	P	I	V	M	A	G	L	D	V	T	H	H	Q	A	L	I	M	E	E	D	V	A	R	F	R	A	L	L	P	T	N	K	V	A	K	V	A	S	D	L	L		
UniRef90_R7CH05	W	R	L	T	M	L	G	L	D	L	T	H	H	Q	A	L	C	T	P	E	V	Q	K	R	I	E	N	L	L	G	T	P	L	A	Q	F	V	S	D	S	M				
UniRef90_A5VJW6	G	L	P	L	V	M	A	P	L	N	V	T	H	H	K	A	Q	I	M	K	D	E	T	E	Q	I	G	Q	L	N	N	T	P	V	A	Q	A	F	H	G	L	L			
UniRef90_M8DHU8	G	I	P	V	T	M	V	G	L	D	V	T	H	H	K	V	L	T	T	R	E	H	L	A	L	W	R	E	K	G	N	T	D	V	S	R	L	F	A	D	M	C			
UniRef90_UPI00029CX87	G	V	P	I	T	M	M	P	L	D	V	T	H	H	K	V	L	T	T	R	T	R	V	L	D	R	L	R	A	N	L	G	N	R	A	S	L	E	M	A	S	M	L		
UniRef90_R9XN91	G	W	K	V	T	M	V	G	L	D	L	T	H	H	Q	A	L	A	T	P	D	V	V	E	R	I	A	A	I	N	T	K	L	A	K	F	V	V	A	S	L	L			
UniRef90_UPI00037795A3	G	T	P	I	V	M	M	P	L	D	V	T	H	H	R	V	L	T	T	K	A	R	V	E	I	R	A	I	L	L	G	N	K	V	A	V	A	M	A	E	M	L			
UniRef90_I8QWS3	G	V	P	I	T	M	C	G	L	D	V	T	H	H	K	A	Q	I	L	K	E	E	V	E	E	L	R	A	I	L	L	G	N	S	R	V	A	I	M	V	A	E	L	L	
UniRef90_D7BG55	G	I	P	I	V	M	M	G	L	N	L	T	H	H	Q	V	I	A	T	P	R	R	V	E	R	F	R	A	L	L	G	S	R	V	A	E	V	T	A	Q	L	L	L		
UniRef90_N9VI90	G	V	P	I	T	M	C	G	L	D	V	T	H	H	E	A	Q	I	M	E	D	I	E	R	L	R	A	L	L	G	N	P	V	A	R	T	V	A	Q	L	L	L			
UniRef90_UPI0004704724	G	A	P	L	R	M	V	G	L	N	V	T	H	H	Q	I	A	T	P	E	R	L	E	Q	L	R	S	L	L	G	N	R	A	G	A	V	S	A	Q	M	L	L			
UniRef90_J2LB25	G	V	P	V	V	M	P	L	D	V	T	H	H	Q	L	L	T	R	K	D	R	V	K	A	R	M	A	E	I	L	G	T	A	P	A	K	A	M	V	E	M	L			
UniRef90_B9JZK2	G	I	P	I	V	M	M	P	L	D	V	T	H	H	K	L	L	T	T	K	A	R	V	A	R	I	G	A	L	L	G	N	T	Q	T	A	K	V	M	V	D	L	L		
UniRef90_C6VW72	G	V	P	I	T	M	C	G	L	D	V	T	H	H	K	A	L	V	T	F	Q	K	D	I	E	L	L	R	A	L	L	G	N	T	V	T	G	K	V	A	A	D	L	M	
UniRef90_A3V6K9	G	V	P	L	V	V	M	P	L	D	V	T	H	H	K	A	L	T	T	R	A	R	L	D	A	F	R	A	M	G	T	R	V	G	D	M	V	A	A	W	T	L	L		
UniRef90_D1NUP9	G	W	K	V	T	M	I	G	L	D	L	T	H	H	Q	A	L	C	T	P	A	V	Q	G	R	I	D	E	L	L	G	T	P	T	A	K	F	V	S	E	L	M			
UniRef90_UPI00036FEAF1	G	A	D	I	T	V	L	P	L	D	V	T	H	H	Q	M	H	S	T	P	R	I	E	A	F	R	R	L	L	G	N	K	A	G	A	V	A	A	M	L	L				
UniRef90_S3ARD1	R	W	P	V	T	M	V	G	L	D	L	T	H	H	Q	A	L	A	T	P	E	V	T	G	R	I	A	K	L	L	G	N	T	K	P	A	A	F	V	N	E	L	L		
UniRef90_D1ARH4	G	L	P	V	T	M	M	G	L	D	L	T	H	H	Q	A	L	A	T	K	E	V	V	E	K	I	G	S	L	L	N	K	A	S	A	K	L	F	V	D	L	M			
UniRef90_UPI0002628822	T	P	I	K	M	F	G	L	D	V	T	H	H	Q	A	L	A	T	P	D	K	L	E	E	L	T	A	L	L	N	D	S	K	A	A	A	V	A	D	M	L	L			
UniRef90_C5CJ35	F	N	L	T	V	F	P	L	D	V	T	H	H	Q	A	K	I	Y	M	K	E	I	K	E	M	Q	N	F	R	S	E	I	T	S	K	M	G	L	L	L	L				
UniRef90_UPI00036DBFB1	S	W	P	L	T	M	V	G	L	D	L	T	H	H	Q	A	L	A	T	P	E	V	E	A	G	I	K	A	L	L	G	T	D	V	S	D	F	V	I	V	G	L	F		
UniRef90_D5P1D0	S	W	P	V	T	M	I	G	L	D	V	T	H	H	Q	V	L	A	V	P	E	R	M	E	Q	L	K	E	V	L	G	T	D	V	S	A	Q	F	V	A	E	L	V		
UniRef90_D0Z4Q9	G	I	P	I	V	M	C	G	L	D	V	T	H	H	Q	A	Q	I	M	D	Q	D	E	R	I	R	A	L	L	P	N	S	I	A	Q	C	V	A	E	L	L	L			
UniRef90_A3VDT6	G	A	P	V	T	L	M	P	L	D	L	T	H	H	K	A	L	V	T	K	P	R	N	D	A	F	R	A	L	L	G	T	R	T	G	T	F	T	A	E	M	T			
UniRef90_UPI0003B3B65D	K	W	P	V	V	M	V	G	L	D	L	T	H	H	K	A	L	C	T	P	D	A	V	E	K	I	E	K	L	L	G	T	G	P	A	K	F	V	T	A	R	E	L	M	
UniRef90_U5W058	G	V	P	L	T	M	I	G	L	N	V	T	H	H	Q	A	L	A	T	E	E	I	A	E	F	R	G	L	L	G	T	R	L	G	V	V	C	A	D	L	M	L			
UniRef90_A1B973	G	A	P	L	T	V	M	P	L	D	V	T	H	H	R	A	L	T	S	R	A	W	V	E	G	M	R	A	L	L	G	N	K	V	Q	A	V	A	A	S	W	T			
UniRef90_N9BKT5	G	I	P	L	T	V	I	P	L	D	V	T	H	H	Q	A	L	T	S	K	A	W	V	D	G	L	R	K	M	N	N	K	V	G	P	A	V	A	A	W	T	L	L		
UniRef90_A0A021XDP6	G	I	P	I	V	M	M	P	L	D	V	T	H	H	K	V	L	T	L	K	S	R	V	A	G	L	R	A	I	L	L	G	N	S	R	P	A	K	A	L	V	E	M	L	
UniRef90_L8JCK2	G	L	P	V	T	M	C	G	L	D	V	T	H	H	Q	A	Q	I	M	D	E	D	L	E	R	I	R	A	L	L	G	N	P	V	V	A	D	V	A	G	L	L	L		
UniRef90_W1TWM9	P	W	E	V	V	M	V	G	L	D	L	T	H	H	Q	A	L	A	T	D	E	I	T	T	K	I	L	L	L	L	G	N	P	V	A	Q	F	V	L	D	L	F	L		
UniRef90_A3W350	G	V	P	L	T	M	L	P	L	D	V	T	H	H	K	A	L	V	T	P	A	R	N	A	A	F	R	G	L	L	G	S	R	V	G	R	A	V	A	A	L	T	L		
UniRef90_A8LHV3	G	A	P	L	V	V	M	P	L	D	V	T	H	H	K	A	L	T	T	A	P	H	I	A	G	F	R	A	M	G	T	R	V												

QUERY	W	A	M	C	T	H	C	E	L	L	R	D	G	D	G	Y	Y	A	W	D	A	L	T	A	A	Y	V	V	D	Q	K	V	A	N	V	D	P	V	P	I	280			
UniRef90_A3K6K3	D	F	F	E	R	F	D	K	E	K	Y	G	S	L	G	A	P	L	H	D	P	C	C	V	T	A	Y	V	I	D	A	R	P	D	L	F	K	G	R	R	H	I	N	V
UniRef90_A4EW20	D	F	F	E	R	F	D	V	E	K	Y	G	S	L	G	A	P	L	H	D	P	C	C	V	T	A	Y	L	I	R	P	D	L	F	K	G	R	R	H	I	N	V		
UniRef90_UPI0002558D24	D	F	F	E	R	F	D	V	E	K	Y	G	S	L	G	A	P	L	H	D	P	C	C	V	T	A	Y	L	I	R	P	D	L	F	K	G	R	R	H	I	N	V		
UniRef90_L0A415	E	F	F	R	E	R	H	H	E	E	R	Y	G	W	N	G	A	P	L	H	D	A	C	T	V	A	Y	L	L	R	P	D	L	F	R	T	A	S	Y	F	V			
UniRef90_UPI0002FA4CAA	D	F	F	E	R	Y	D	E	E	K	Y	G	T	D	G	A	P	L	H	D	P	C	C	V	I	A	Y	L	L	K	P	E	L	F	F	K	G	R	D	C	N	V		
UniRef90_G9YCX8	D	F	F	E	M	E	Y	H	K	E	K	W	G	F	D	G	A	P	L	H	D	P	C	C	V	I	A	W	L	L	K	P	E	L	F	F	T	R	P	C	Y	V		
UniRef90_K8GDV5	K	H	Y	G	E	Y	D	M	K	R	Y	G	T	P	G	A	F	L	H	D	P	C	C	V	I	A	Y	L	L	K	P	E	L	F	T	R	P	C	Y	V				
UniRef90_X7E158	D	F	F	E	R	F	D	K	E	K	Y	G	T	N	G	A	P	L	H	D	P	C	C	V	I	A	H	L	L	K	P	E	L	F	S	G	R	D	H	I	N	V		
UniRef90_UPI000465FC90	D	F	F	E	R	Y	D	E	Q	K	Y	G	T	D	G	A	P	L	H	D	P	C	C	V	I	A	W	L	L	K	P	E	L	F	S	G	R	D	C	N	V			
UniRef90_R0FBP3	D	F	F	E	R	F	D	V	E	K	Y	G	S	E	G	A	P	L	H	D	P	C	C	V	T	A	Y	L	I	Q	P	E	L	F	S	G	R	H	I	N	V			
UniRef90_Q5LQL8	D	F	F	E	R	F	D	K	E	K	Y	G	S	E	G	A	P	L	H	D	P	C	C	V	T	A	Y	L	L	N	P	D	L	F	F	S	G	R	H	I	N	V		
UniRef90_U4V5T5	D	F	F	E	R	F	D	R	E	K	Y	G	S	D	G	A	P	L	H	D	P	C	C	V	T	A	Y	L	L	N	P	K	L	F	S	T	G	R	Y	V	N	V		
UniRef90_J3HMT7	E	F	F	E	R	F	D	E	E	K	Y	G	S	D	G	A	P	L	H	D	P	N	V	I	A	Y	L	L	K	P	E	L	Y	T	G	R	E	C	N	V				
UniRef90_X2HB90	E	F	F	G	K	M	Y	K	Q	A	Q	G	F	T	E	A	P	P	V	H	D	P	C	A	V	A	Y	V	I	D	N	D	R	S	V	V	E	C	V	R	A	P	V	
UniRef90_D6Y594	T	F	F	G	G	T	Y	R	R	A	Q	W	G	F	E	A	P	L	H	D	P	C	A	V	A	Y	V	I	D	N	D	R	S	V	V	E	C	V	R	A	P	V		
UniRef90_K9SDA3	E	T	Y	G	D	F	Y	R	D	R	Y	G	F	E	E	G	A	A	L	H	D	P	C	V	I	A	Y	L	L	R	P	D	L	F	S	G	K	A	C	P	V			
UniRef90_F3Y8K5	N	F	Y	E	T	Y	H	E	N	K	W	E	F	E	E	G	A	P	L	H	D	P	C	T	I	A	W	L	L	H	A	P	E	M	F	K	T	K	D	M	N	V		
UniRef90_UPI00037C12B5	V	F	F	A	S	T	Y	K	E	M	F	D	F	D	G	A	P	V	H	D	P	C	T	I	A	Y	C	V	A	P	E	L	F	F	K	T	K	D	M	N	V			
UniRef90_V7EJG8	D	F	F	E	R	F	D	M	Q	K	Y	G	S	E	G	A	P	L	H	D	P	C	V	I	A	Y	L	L	A	R	P	E	L	F	A	G	R	H	V	N	V			
UniRef90_UPI00046A3344	E	F	F	V	I	Y	H	K	D	N	Q	W	F	D	E	G	A	P	L	H	D	P	C	T	I	A	W	L	L	K	P	S	E	V	F	I	G	L	D	C	H	P		
UniRef90_R7CH05	D	F	F	R	Q	A	Y	K	D	N	Q	W	F	V	D	P	P	V	H	D	P	C	T	I	A	Y	L	L	K	P	S	E	V	V	Q	T	R	R	D	C	P	L		
UniRef90_A5VJW6	N	F	F	E	Q	Y	H	E	N	K	W	G	F	K	G	A	P	L	H	D	P	C	T	I	A	W	L	I	D	P	T	M	F	G	T	D	K	M	N	V				
UniRef90_M8DHU8	E	F	F	M	N	A	Y	A	Q	V	G	N	V	R	G	C	G	L	H	D	P	L	A	V	G	V	V	I	D	D	P	T	F	V	T	A	V	P	M	H	V			
UniRef90_A9CX87	E	F	F	R	A	Y	D	E	Q	K	Y	G	T	D	G	A	P	L	H	D	P	T	V	I	A	W	L	L	D	P	E	M	F	T	G	R	D	C	N	V				
UniRef90_R9XN91	D	F	F	G	K	M	Y	K	Q	A	Q	G	F	D	Y	P	P	V	H	D	P	C	A	V	A	Y	V	I	D	P	T	L	I	E	T	Q	K	V	C	N	V			
UniRef90_UPI00037795A3	E	F	F	E	R	F	D	V	E	K	Y	G	T	D	G	A	P	L	H	D	P	T	V	I	A	H	L	L	R	P	D	L	E	K	G	T	Q	S	C	N	V			
UniRef90_I8QWS3	D	F	F	Y	G	K	F	H	E	R	F	G	F	K	G	M	P	L	H	D	P	V	A	V	A	Y	V	I	D	P	T	I	V	T	T	R	Y	Q	S	F	Y	V		
UniRef90_D7BG55	E	F	F	R	E	H	H	V	T	R	Y	G	W	E	G	A	A	L	H	D	P	C	T	V	A	Y	L	L	R	P	E	L	F	K	T	Q	A	M	Y	V				
UniRef90_N9VI90	D	F	F	M	I	Y	H	R	D	K	W	G	F	A	G	A	P	L	H	D	P	C	T	I	A	W	L	L	R	P	E	L	L	E	H	G	D	C	M	P	V			
UniRef90_UPI0004704724	E	F	F	A	G	V	Y	R	E	R	Y	G	L	S	G	G	A	P	L	H	D	P	L	A	V	A	A	A	L	R	P	E	L	L	T	W	R	P	M	P	V			
UniRef90_J2LB25	E	F	F	E	R	F	D	I	E	K	Y	G	S	D	G	A	P	L	H	D	P	T	T	V	A	Y	L	L	K	P	E	L	F	K	G	R	D	C	C	N	V			
UniRef90_B9JZK2	E	F	F	E	R	F	D	I	E	K	Y	G	S	D	G	A	P	L	H	D	P	S	V	I	A	Y	L	L	Q	P	E	L	F	S	T	R	D	C	C	N	V			
UniRef90_C6VW72	D	F	F	S	I	Y	R	E	N	R	V	N	G	A	A	L	H	H	D	P	C	A	I	A	W	L	L	N	P	G	L	F	S	T	R	K	S	C	Y	V				
UniRef90_A3V6K9	D	F	F	E	R	F	D	M	A	K	Y	G	S	E	G	A	P	L	H	D	P	C	T	V	A	Y	L	L	D	P	S	L	F	S	G	R	L	I	N	V				
UniRef90_D1NUP9	D	F	F	R	K	S	Y	Q	D	A	E	E	F	T	D	G	A	P	V	H	D	P	C	T	V	A	Y	L	L	R	P	E	L	F	T	R	R	A	P	V				
UniRef90_UPI00036FEAF1	T	F	S	E	T	Y	D	L	Q	A	F	G	W	D	G	A	P	L	H	D	P	C	V	T	A	F	L	I	D	P	E	L	F	E	G	R	V	N	V					
UniRef90_S3ARD1	D	F	F	G	A	T	Y	L	E	N	Q	G	F	A	H	P	P	V	H	D	P	C	A	V	A	Y	V	I	D	P	D	V	M	T	V	R	K	A	P	V				
UniRef90_D1ARH4	E	F	F	A	K	T	Q	H	D	V	F	A	G	S	A	P	L	H	D	P	T	T	V	A	Y	L	L	D	P	S	C	I	E	T	K	P	M	Y	C					
UniRef90_UPI0002628822	T	F	F	S	G	A	Y	K	G	N	F	A	G	A	A	L	H	H	D	P	C	P	I	A	Y	L	L	D	P	S	I	F	E	L	K	K	A	R	P	C				
UniRef90_C5CJ35	E	F	F	H	Q	T	Y	D	I	F	K	I	E	G	A	P	L	H	D	P	C	T	I	A	Y	L	L	I	N	D	S	I	F	E	F	D	E	F	Y	A				
UniRef90_UPI00036DBFB1	E	F	F	R	K	N	Y	Q	D	A	Q	G	F	E	N	P	P	L	H	D	P	C	T	V	A	Y	L	L	D	P	S	V	S	T	R	K	V	P	L					
UniRef90_D5P1D0	G	A	F	G	A	S	Y	M	K	E	R	N	Y	E	G	P	P	M	H	D	P	L	A	V	A	A	V	A	D	P	S	V	V	R	T	R	A	P	I					
UniRef90_D0Z4Q9	D	F	F	M	I	Y	H	R	N	K	W	G	F	E	G	A	P	L	H	D	P	C	T	I	A	W	L	L	K	P	E	L	F	D	A	Q	D	C	Y	V				
UniRef90_A3VDT6	E	F	F	E	R	F	D	K	E	K	Y	G	S	E	G	A	P	L	H	D	P	T	V	I	A	Y	L	L	A	P	D	L	F	T	G	R	F	I	N	V				
UniRef90_UPI0003B3B65D	D	F	F	A	E	T	Y	K	D	A	Q	G	F	D	Y	P	P	V	H	D	P	C	A	V	A	Y	L	L	D	A	S	I	V	R	T	V	A	A	P	V				
UniRef90_U5W058	T	F	F	A	S	T	Y	L	R	V	F	G	F	E	H	P	P	V	H	D	P	V	A	V	A	A	V	I	D	A	S	I	V	R	T	V	A	A	P	V				
UniRef90_A1B973	D	F	F	E	R	Y	D	R	E	K	Y	G	S	H	G	A	P	L	H	D	P	C	T	I	A	W	L	L	R	N	P	E	L	F	T	G	R	Y	I	N	V			
UniRef90_N9BKT5	D	F	F	E	R	Y	D	M	E	K	Y	G	S	E	G	A	P	L	H	D	P	C	V	I	G	Y	M	I	N	P	A	L	F	T	G	R	W	I	N	V				
UniRef90_A0A021XDP6	D	F	F	E	R	F	D	V	E	K	Y	G	S	D	G	A	P	L	H	D	P	T	V	I	A	Y	L	L	K	P	E	L	F	S	G	R	N	C	N	V				
UniRef90_L8JCK2	D	F	F	M	I	Y	H	R	D	K	W	G	F	A	G	A	P	L	H	D	P	C	T	I	A	W	L	L	K	P	S	I	E	T	E	Q	D	C	W	V				
UniRef90_W1TWM9	V	F	F	R	K	A	Y	Q	D	S	Q	E	F	D	G	A	P	V	H	D	P	C	T	V	A	Y	L	L	D	P	S	I	F	E	T	Q	D	C	W	V				
UniRef90_A3W350	G	F	F	E	R	Y	H	P	E	R	H	G	A	D	G	A	P	L	H	D	P	C	T	I	C	W	L	L	R	P	D	L	F	K	A	R	K	V	N	V				
UniRef90_A8LHV3	D	F	F	E	R	F	D	K	E	K	Y	G	S	E	G	A	P	L	H	D	P	C	V	I	A	W	L	L	A	P														

QUERY	D	V	V	V	D	K	Q	P	N	E	G	A	T	V	R	T	D	A	E	300	N	P	L	T	F	V	A	R	N	310	P	E	A	E	F	F	L	D	M	L	320			
UniRef90_A3K6K3	E	I	E	T	A	S	D	L	T	L	G	M	T	V	A	D	W	W	D	R	A	P	N	A	T	F	M	G	S	I	D	A	D	G	F	F	F	A	L	L	T			
UniRef90_A4EW20	E	I	E	T	K	S	E	L	T	L	G	M	T	V	A	D	W	W	D	R	R	E	P	N	A	M	F	M	G	D	L	D	A	D	D	A	G	F	F	A	L	L	T	
UniRef90_UPI0002558D24	E	I	E	T	S	E	L	L	T	L	G	M	T	V	A	D	W	W	D	R	R	E	P	N	A	N	A	L	F	L	G	T	A	D	D	D	A	G	F	F	A	L	L	T
UniRef90_L0A415	D	V	E	E	V	N	E	S	E	L	L	A	Y	G	R	T	V	D	W	W	R	R	A	P	N	A	E	V	A	L	D	V	N	V	E	G	F	F	D	L	L	V		
UniRef90_UPI0002FA4CAA	E	I	E	T	Q	G	K	Y	T	Q	G	M	T	V	D	W	Y	T	A	N	N	Q	P	N	A	T	T	V	M	M	D	V	D	D	R	E	Q	A	F	F	N	L	L	V
UniRef90_G9YCX8	E	V	E	E	L	I	S	D	L	T	L	G	R	T	V	D	L	W	Q	H	S	P	N	V	R	L	V	E	T	V	D	D	A	D	E	A	F	F	Q	L	L	L	I	
UniRef90_K8GDV5	E	I	E	T	G	S	E	L	T	L	G	M	T	V	A	D	W	W	D	R	A	P	N	A	T	F	L	I	G	D	L	D	A	D	A	D	R	F	F	A	L	L	T	
UniRef90_X7E158	E	I	E	T	M	S	E	L	T	L	G	M	T	V	A	D	W	W	D	R	A	P	N	A	T	F	L	I	G	D	L	D	A	D	A	D	R	F	F	A	L	L	T	
UniRef90_UPI000465FC90	T	V	E	E	T	M	S	E	L	T	L	G	M	T	V	A	D	W	W	R	A	P	N	A	K	V	M	R	D	I	D	D	A	D	A	D	G	G	F	F	A	L	L	T
UniRef90_R0FBP3	E	I	E	T	A	S	P	L	T	L	G	M	T	V	A	D	W	W	D	R	A	P	N	A	L	F	I	G	D	L	D	A	D	A	D	G	G	F	F	A	L	L	T	
UniRef90_Q5LQL8	A	V	E	T	T	S	E	L	T	L	G	M	T	V	A	D	W	W	D	R	A	P	N	A	L	F	I	G	D	L	D	A	D	A	D	G	G	F	F	T	L	L	T	
UniRef90_U4V5T5	E	V	E	T	K	S	E	L	L	T	L	G	M	T	V	A	D	W	W	D	R	E	P	N	A	M	F	I	G	D	L	D	A	D	A	D	G	G	F	F	D	L	L	T
UniRef90_J3HMT7	E	V	D	A	S	N	E	L	L	T	L	G	M	T	V	D	W	W	D	R	P	K	N	A	F	Y	I	R	D	V	D	S	D	G	G	F	F	E	L	L	T			
UniRef90_X2HB90	D	V	E	E	L	T	G	T	L	G	M	T	V	A	D	F	R	D	D	N	C	H	T	Q	V	A	T	E	L	D	H	T	D	A	D	G	F	W	D	L	L	V		
UniRef90_D6Y594	R	D	V	E	L	E	G	A	Y	T	R	G	A	T	V	D	L	H	R	R	E	P	N	A	D	V	G	I	T	L	D	R	D	R	D	R	F	W	E	L	L	M		
UniRef90_K9SDA3	T	V	D	T	A	G	P	L	T	C	G	Q	S	I	V	D	W	W	G	Q	P	A	N	A	L	V	L	E	T	V	D	A	D	G	G	F	Y	R	L	L	T			
UniRef90_F3Y8K5	D	V	E	E	L	T	G	T	L	R	G	E	T	V	C	D	Y	T	D	K	P	K	N	V	E	V	M	L	D	L	D	R	E	Y	F	Q	L	L	L	M				
UniRef90_UPI00037C12B5	T	V	E	E	T	K	G	E	F	T	A	G	T	V	L	D	L	H	G	R	K	V	N	A	K	F	G	L	E	L	D	V	E	G	F	W	E	L	L	M				
UniRef90_V7EJG8	E	I	E	T	V	S	E	L	T	L	G	M	T	V	A	D	W	W	D	R	P	A	N	A	L	F	V	G	S	V	D	A	D	G	G	F	Y	A	L	L	T			
UniRef90_UPI00046A3344	A	I	E	T	Q	S	E	L	T	V	G	M	T	V	A	D	R	T	G	K	P	A	N	A	K	V	L	M	H	L	D	D	R	E	G	G	F	V	D	L	L	V		
UniRef90_R7CH05	D	V	E	E	H	G	E	L	T	L	G	M	T	V	A	D	L	R	G	P	E	P	N	T	Q	V	A	T	K	M	D	D	R	F	D	K	F	W	D	L	V			
UniRef90_A5VJW6	D	V	E	T	Q	G	D	L	T	R	G	E	T	V	C	D	Y	T	D	K	S	Q	N	T	E	V	L	D	I	D	D	R	E	K	F	I	Q	L	L	I				
UniRef90_M8DHU8	S	V	E	D	T	S	G	G	L	S	D	A	R	T	I	G	D	R	R	K	H	P	A	N	V	D	V	C	L	E	V	D	H	E	R	R	F	V	E	H	F	L		
UniRef90_A9CX87	U	N	I	E	T	G	S	E	L	T	L	G	M	T	V	D	W	W	R	K	E	N	A	L	V	I	G	D	V	D	A	D	R	F	F	J	E	L	L	L	I			
UniRef90_R9XN91	N	I	E	L	T	G	T	H	T	L	G	M	T	V	A	D	F	R	P	K	E	C	N	T	Y	V	A	K	V	L	D	D	R	E	R	F	W	D	L	L	I			
UniRef90_UPI00037795A3	E	I	E	T	K	S	D	L	T	L	G	M	T	V	V	D	W	W	G	R	K	H	N	A	K	V	M	R	E	I	D	D	D	D	R	E	R	F	F	D	L	L	T	
UniRef90_I8QWS3	E	I	E	T	K	G	E	F	T	N	G	C	T	V	V	D	Y	I	K	K	P	K	N	V	E	V	V	L	D	I	D	D	R	E	R	G	F	K	M	L	L	Y		
UniRef90_D7BG55	A	I	E	T	N	E	G	L	N	F	G	R	T	V	C	D	R	W	G	Q	P	A	N	A	Q	V	G	L	A	V	D	A	E	G	L	F	D	L	L	L	V			
UniRef90_N9VI90	G	I	E	T	R	N	G	E	Y	T	V	G	M	T	V	D	D	R	S	G	M	T	P	N	A	T	V	L	L	G	D	V	D	R	A	P	A	F	F	D	L	L	V	
UniRef90_UPI0004704724	A	V	E	E	T	R	N	G	G	L	N	L	G	R	T	V	C	D	L	T	G	Q	A	P	N	A	Q	V	A	V	D	D	A	P	A	F	F	D	L	L	L	V		
UniRef90_J2LB25	E	I	E	V	T	S	E	L	T	V	G	M	T	V	V	D	W	W	D	R	K	R	N	A	K	V	M	R	D	V	D	A	D	G	G	F	F	D	L	L	L	I		
UniRef90_B9JZK2	E	I	E	T	E	K	S	E	L	T	V	G	M	T	V	V	D	W	W	R	T	P	N	A	K	V	M	R	D	V	D	A	D	A	D	G	F	F	A	L	L	T		
UniRef90_C6VW72	D	V	E	E	T	K	G	E	L	T	R	G	A	T	V	D	F	L	H	R	E	P	N	V	T	V	A	Y	D	D	R	D	A	D	A	G	F	I	D	M	L	F		
UniRef90_A3V6K9	E	I	E	T	G	S	E	L	T	L	G	M	T	V	A	D	W	W	D	R	P	K	N	A	L	F	I	G	D	L	D	A	E	G	F	Y	A	L	L	A	L			
UniRef90_D1NUP9	E	V	E	E	L	R	G	S	D	L	T	V	G	M	T	V	A	D	L	R	G	L	E	P	N	T	Q	V	A	V	K	L	D	F	D	A	D	G	F	W	N	L	V	
UniRef90_UPI00036FEAF1	E	V	E	T	G	S	A	L	T	R	G	M	T	V	V	D	F	W	D	R	E	P	N	A	F	Y	V	R	S	G	D	A	D	D	G	K	F	F	A	L	L	A		
UniRef90_S3ARD1	D	I	E	L	R	G	G	L	T	L	G	M	T	V	A	D	F	R	A	P	A	P	H	T	Q	V	A	V	D	L	D	H	A	R	F	W	D	L	V	I	L			
UniRef90_D1ARH4	K	I	E	L	K	S	E	D	S	Y	G	R	T	L	C	D	Y	L	K	K	E	P	N	V	D	V	A	V	K	L	D	D	F	D	K	F	W	N	I	V	Y			
UniRef90_UPI0002628822	D	V	E	E	T	K	G	E	F	T	Y	G	M	T	V	A	D	R	T	G	R	A	P	N	V	Q	F	A	T	W	L	D	D	Q	E	G	K	F	W	Q	L	F	M	
UniRef90_C5CJ35	Q	V	E	E	T	K	G	E	L	T	Y	G	E	T	V	D	Y	W	H	E	A	P	N	S	K	W	A	L	K	L	D	D	R	E	K	F	E	I	L	F	T			
UniRef90_UPI00036DBFB1	D	V	E	L	A	G	N	L	T	V	G	M	T	V	A	D	F	R	A	P	A	P	T	T	S	V	A	V	D	L	D	A	P	K	F	W	A	L	V	L	T			
UniRef90_D5P1D0	S	I	E	T	Q	G	E	H	T	Q	G	M	T	V	V	D	R	T	D	K	K	P	N	A	K	V	L	F	S	L	N	R	E	G	F	V	D	L	L	L	V			
UniRef90_D0Z4Q9	E	V	E	T	T	S	D	L	T	L	G	M	T	V	A	D	W	W	N	R	D	E	N	A	T	F	M	G	D	L	D	A	D	A	D	G	F	F	S	L	L	T		
UniRef90_A3VDT6	E	V	E	E	T	T	G	D	L	T	L	G	M	T	V	A	D	W	W	N	R	D	E	N	A	T	F	M	G	D	L	D	A	D	A	D	G	F	F	S	L	L	T	
UniRef90_UPI0003B3B65D	D	I	E	L	T	G	T	L	T	L	G	M	T	V	A	D	F	R	A	P	A	P	H	T	W	V	A	T	E	L	D	H	G	R	F	W	D	L	L	V	I			
UniRef90_U5W058	A	I	E	L	T	G	T	H	T	R	G	A	T	V	V	D	R	T	G	E	A	P	D	V	D	V	A	V	I	G	L	D	V	D	A	F	W	R	L	L	M			
UniRef90_A1B973	E	I	E	T	R	D	S	P	L	T	V	G	M	T	V	A	D	W	W	G	R	T	P	N	A	T	F	I	R	D	V	K	A	D	A	F	F	A	L	L	T			
UniRef90_N9BKT5	E	I	E	T	D	S	P	L	T	V	G	M	T	V	A	D	W	W	R	K	A	N	A	E	F	L	R	S	V	D	D	R	D	A	F	F	Q	L	L	S				
UniRef90_A0A021XDP6	E	I	E	T	A	S	P	L	T	L	G	M	T	V	V	D	W	W	D	R	K	H	N	A	R	V	M	K	D	V	D	A	D	G	G	F	F	A	L	L	A			
UniRef90_L8JCK2	G	I	E	T	K	G	E	Y	T	Q	G	M	T	V	V	D	R	S	G	K	P	A	N	T	V	L	F	D	V	D	D	R	Q	G	G	F	V	D	L	L	A			
UniRef90_W1TWM9	N	I	E	L	R	G	E	L	T	V	G	M	T	V	A	D	F	R	G	E	G	C	H	T	K	A	T	D	L	D	D	F	E	R	F	W	E	L	L	V				
UniRef90_A3W350	E	I	E	T	Q	S	E	L	T	M	G	M	T	V	V	D	W	W	G	R	P	A	N	A	T	F	V	H	D	I	N	A	Q	A	F	F	D	L	L	T				
UniRef90_A8LHV3	E	I	E	V	D	S																																						

QUERY	R S A R A C
UniRef90_A3K6K3	E R L G R
UniRef90_A4EW20	E R L A R
UniRef90_UPI0002558D24	E R L G R
UniRef90_L0A415	E R I G R
UniRef90_UPI0002FA4CAA	E R L A R
UniRef90_G9YCX8	E R I G A A
UniRef90_K8GDV5	Q A L A A
UniRef90_X7E158	E R L G R
UniRef90_UPI000465FC90	E R L G R
UniRef90_R0FBP3	E R L G R
UniRef90_Q5LQL8	D R L A R
UniRef90_U4V5T5	E R L G R
UniRef90_J3HMT7	S R I A
UniRef90_X2HB90	D S L K R
UniRef90_D6Y594	A A V E R
UniRef90_K9SDA3	D R L A R
UniRef90_F3Y8K5	S S I
UniRef90_UPI00037C12B5	E A L K K
UniRef90_V7EJG8	E R I G R
UniRef90_UPI00046A3344	E S L
UniRef90_R7CH05	E A I E R
UniRef90_A5VJW6	D T L Q S
UniRef90_M8DHU8	Q
UniRef90_A9CX87	E R L G R
UniRef90_R9XN91	D A I K R
UniRef90_UPI00037795A3	E R L A R
UniRef90_I8QWS3	D A M R K
UniRef90_D7BG55	E R I G K
UniRef90_N9VI90	E Q L H A
UniRef90_UPI0004704724	E R L
UniRef90_J2LB25	E R F A R
UniRef90_B9JZK2	E R L A R
UniRef90_C6VW72	N A I K A
UniRef90_A3V6K9	E R L A R
UniRef90_D1NUP9	D A V K R
UniRef90_UPI00036FEAF1	E R V A R
UniRef90_S3ARD1	D A L E R
UniRef90_D1ARH4	E T L K
UniRef90_UPI0002628822	D A L R S
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UniRef90_UPI00036DBFB1	D A I K R
UniRef90_D5P1D0	D A L R R
UniRef90_D0Z4Q9	E S L E H
UniRef90_A3VDT6	E R L A R
UniRef90_UPI0003B3B65D	D A L E R
UniRef90_U5W058	A A V R N A
UniRef90_A1B973	E R I
UniRef90_N9BKT5	E R L A
UniRef90_A0A021XDP6	E R V G R
UniRef90_L8JCK2	E S M
UniRef90_W1TWM9	D S I
UniRef90_A3W350	E R L A R
UniRef90_A8LHV3	D R I A R
UniRef90_H5UR37	D A L H R V
UniRef90_W6LFZ7	N A L E R
UniRef90_W4C3N3	D S L E K
UniRef90_D2QUM3	D A V K
UniRef90_UPI0003641C23	E C L A K A
UniRef90_H2J3H1	E E L K K
UniRef90_B8DWT1	D A I R R
UniRef90_A9DFJ0	E C L Q
UniRef90_T2S3G2	G A I A
UniRef90_U7KT40	E A L K N
UniRef90_E3CV66	E T L A
UniRef90_UPI00036EF8C7	E S I Q K C
UniRef90_UPI000471F565	Q T I K H
UniRef90_M5AGD9	D C I R
UniRef90_K6ZAL7	N I L R N
UniRef90_D3VA84	N A L K N
UniRef90_W4LZJ8	E R V
UniRef90_R2XUU6	A C I R K
UniRef90_R7PNQ1	Q G I R N
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UniRef90_L5MWP2	G A L K A
UniRef90_UPI00036E3FD9	E A L A A V
UniRef90_F5T7C0	E A M K R
UniRef90_UPI0003F7451E	D A I K R
UniRef90_A8FS37	E R L Q A
UniRef90_C8NJ42	D A V K R
UniRef90_A4H9Q9	D A L Q R
UniRef90_UPI00047115B6	E S V A R
UniRef90_UPI0002D52DC7	D A L A
UniRef90_D2Q6D4	H C I
UniRef90_A0A024PNI7	E C I K K C
UniRef90_UPI0003764842	Q R V
UniRef90_F2LM23	E K I A
UniRef90_Q1YHP3	E R I A R
UniRef90_UPI0003663DCC	D A L K
UniRef90_UPI000248C8E1	Q T L S R
UniRef90_S9VXI3	D A L R R
UniRef90_UPI000237EE43	E R L S R

	1	10	20	30	40																																										
UniRef90_A0A024YWB7	A	E	K	I	I	L	D	C	D	P	G	H	D	D	A	I	A	L	L	L	A	H	G	N	S	P	E	I	E	L	L	L	A	G	V	V	T	T	T	V	A	G	N	Q	Q		
UniRef90_S7VYD2	R	K	I	I	L	D	C	D	D	P	G	H	D	D	D	A	I	A	M	L	L	A	H	G	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	M	N	S	G	N	Q
UniRef90_X4QUQ7	K	I	I	L	D	T	D	P	G	Q	H	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	M	N	S	G	N	Q
UniRef90_UPI0002260840	S	K	S	I	I	L	D	T	D	P	S	Q	H	D	D	D	A	I	A	S	L	I	L	A	L	S	T	S	E	K	L	L	L	L	A	V	V	T	T	T	V	V	S	G	N	Q	
UniRef90_Q12QP8	R	K	I	I	L	D	C	D	P	G	H	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_U2DQL2	R	K	I	I	L	D	A	D	P	G	Q	H	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q	
UniRef90_M5F4L6	R	K	I	I	L	D	A	D	P	G	Q	H	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q	
UniRef90_UPI000479F77B	K	N	I	I	L	D	C	D	P	G	H	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_UPI00035EA170	R	P	I	I	L	D	T	D	P	G	I	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_M8D8D1	E	K	V	I	L	D	V	D	T	G	I	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_U1EPB5	H	P	I	I	L	D	T	D	P	G	I	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_UPI0003B2FFE7	Q	R	V	I	L	D	M	D	P	G	H	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	F	G	N	Q		
UniRef90_UPI00040A353A	Q	K	I	I	L	D	V	D	T	G	V	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_Q49WH9	Q	P	I	I	L	D	S	D	P	G	I	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_D4CLQ0	R	K	I	I	L	D	C	D	P	G	H	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_I9ABL8	K	S	V	I	L	D	C	D	P	G	V	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_I7LT61	K	L	W	L	D	C	D	P	G	H	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q			
UniRef90_K4Z9I8	P	V	I	M	D	V	D	T	G	V	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q			
UniRef90_T1YTA7	K	P	V	I	L	D	H	D	G	G	H	D	D	D	I	V	A	L	L	L	L	A	N	P	E	K	V	V	K	L	V	L	G	S	I	V	T	D	A	D	C						
UniRef90_K2DU35	P	L	I	M	D	C	D	P	G	I	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q			
UniRef90_W4LZ78	K	R	V	I	L	D	T	D	P	G	I	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	F	G	N	Q		
UniRef90_UPI0003FE65C4	R	K	L	I	L	D	C	D	P	G	Q	H	D	D	D	A	I	A	L	L	L	A	L	P	P	T	E	D	Y	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q
UniRef90_UPI00034B28BF	P	V	I	L	D	T	D	G	G	V	D	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_UPI0003B2E702	K	K	I	I	L	D	L	D	G	V	D	D	D	D	S	L	A	I	A	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	G	Y	A	G	N	Q		
UniRef90_UPI000414916E	K	K	I	I	L	D	C	D	P	G	I	D	D	D	S	L	A	I	A	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_S9TCP8	P	V	I	M	D	V	D	T	G	V	D	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_R7DBK7	R	K	V	I	L	D	C	D	P	G	V	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_B8LKP9	K	K	I	I	L	D	T	D	P	G	I	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_UPI000349706F	A	R	S	L	I	V	D	T	D	P	G	I	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q	
UniRef90_UPI0003D779B5	K	K	I	I	L	D	T	D	P	G	V	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_L8H5N5	K	L	W	L	D	C	D	P	G	H	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q			
UniRef90_UPI000374B370	A	P	M	V	L	D	C	D	P	G	H	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_B2TPQ0	K	K	I	I	L	D	C	D	P	G	I	D	D	D	S	L	A	I	A	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_W6WTT5	P	I	I	V	D	C	D	P	G	I	D	D	T	I	A	L	L	T	A	F	V	S	P	E	L	D	I	L	G	I	P	V	C	G	N	Q											
UniRef90_D1AQ47	K	I	I	F	D	T	D	P	G	I	D	D	D	G	I	A	L	L	T	A	F	S	P	E	L	D	I	L	G	I	T	T	A	F	G	C	S										
UniRef90_UPI0003B3D264	Q	R	I	L	D	T	D	P	G	V	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q			
UniRef90_A0A024RLL7	R	T	V	I	L	D	T	D	P	G	Q	H	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q	
UniRef90_J3JBD9	K	K	I	I	L	D	C	D	P	G	H	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_D0Z3N8	K	K	L	I	L	D	T	D	P	G	I	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_R9WJ07	R	K	M	I	L	D	L	D	T	G	V	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
UniRef90_W6W182	A	E	K	I	I	L	D	T	D	P	G	Q	H	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q
UniRef90_E8XZN3	R	K	V	I	L	D	C	D	P	G	I	D	D	D	A	I	A	L	L	L	A	L	A	S	P	E	I	E	L	L	L	L	A	G	V	V	T	T	T	V	V	A	G	N	Q		
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P S D M G A N A R K V L K Q L G R M D I P I Y I G E V P L R E E Y I
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G Q M I E M V G L D V T R E I V F T P T I L E Y C C Q L S P E E G N Y L K A I T
N W Q V T M I G L D V T H Q V L L D N E R L A R I K Q A N P V E G D F L M Q A I
G I P I T M V G W M C T Q Y S I M D D H E I K S L N T A G S Q F F I D I N
P V K L E M I G L D V T R K I V L T P N I L L E L I H Q V N T P E Q A D F I Q K I T
G I P A T M V G L D V T L Q R M L S T Y K E T Q R W R D L G T P A G T F L A D M T
G I R T T L P L D V T H R M R S T Y A R L D A M R A L A N R C G V A T A E M L
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UniRef90_H4F5Q7 V I M G G A F D T N G N V T P A A E A N I H G D P E A A D I V M T A W
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UniRef90_K0V0H5 V I M G G A F D Y R G N T T P V S E W N I S V D P E S A A E V F E A T
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UniRef90_M0SGZ0 V V L G G T L F A A G N V N P A A E A N I Y G D P E A A D V V F T C
UniRef90_G0DVL7 H V M G G A L N Y R G N T G P T S E W N L A V D P E A A H E V F E A W
UniRef90_S3K1X7 V V M G G S L T R G N K G V M S E F N F A T D P H A A K I V F D A
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UniRef90_S0JS55 V S M G G T Y K S H G N C S P V A E Y N Y W C D P D A A A C V Y E Q L
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UniRef90_K0DCN9 I V M G G A D Q T N G N T S P V A E Y N F W V D P D A A D R V F Q S
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	210	220	230	240
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UniRef90_UPI000344F9E8	A L P L R V V G L D V T	T Y R A A L F P L E A A E E L T A L G S T A G G A A L N A Q L L		
UniRef90_UPI0003820CCD	G V P A V L V P M D V T	T R Y R C A V A D T G W L A E L A G S S P I I G A G A L N A L L T		
UniRef90_U2Q7D7	E I P F T M V G L D V T	T R E V V L D T P N Y I E L I N Q I G S N I G A R F V V D I T		
UniRef90_UPI000237E39F	Q L P L T L A V G L D V T	H Q F V L V T P P R L A Q L R A Q M P G K C A Q Y A A S M L		
UniRef90_D7T2M7	G A D I L A V G L I N V T	H K V V L T D A D R E K L R A Q S N G R G F A Q Y L C K I L		
UniRef90_I2B8K7	G I N I T I V P L D V T	H K V L T N K K Q I A R F K T L N S G R V A D A C V A L M		
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UniRef90_J3JCQ7	P V P I K M L G L D V T	T R K I V L T P S L L A Y A Q R V D P K V L G E V L I A Q I T		
UniRef90_W4F4X4	G L P I V M S G L D V T	H K A Y I T L D E M E R L S K S G S T P F A R E K V L A E M M		
UniRef90_I1PCE5	G A D I L A V G L I N I T	H Q V V L S D A D R E K L E Q S Q S D S K Y A R Y L A S K I L		
UniRef90_V3TZ50	T L P L T V L P L D A T	H Q V I L T P E R V T Q L I S Q A G R Y A S A P L G N L M		
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UniRef90_UPI000400A01E	G V D L V A V P I D D C	T Y A A P T P E L S W I A D L E A L G T R V V S Q L A A G A G M M		
UniRef90_E6FKA1	E I P I A M A G L D V T	T E K A E A P Q L S E I A D K L K G R G V V S Q L A Y E G M L		
UniRef90_E8SF38	N L P I V M A G L D V I	A R A S N L P Q H A L L P K I K E M N H T V A Q I V A Q W L		
UniRef90_U2JXJ3	G I P I M S G L D V V A	K A F I K P E A D V E L I R S H H N E V A Q I V A Q W L		
UniRef90_C5A19	G V P I T V V P R D V A	V K A A I P F R A L G N R C Q K I V A D I M		
UniRef90_E1VCT3	G W P L V M V G L D V T	H R C V L S P S H M A R I E A G Q G K L G K V L A G S Y		
UniRef90_UPI0002D40379	P W Q V T I V G L D V T	H E A F F S S D Y D T L R D R A Q G E V G Q Q F M W D I S		
UniRef90_UPI000364BD64	G W P L T L V G L D A T	H R C V L S P A D M E K I L R A R A Q G E V G Q V L A G S Y		
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UniRef90_UPI00037368D1	P K K I H M V G L D V T	T R K I V L T S E N I L E F I N R L D G N A K S K F T S E I T		
UniRef90_A0A038GBI0	G V K L T Y V P L D V T	H K I L T S E Q R L K F I A A L D G N A A G K L V D G I L		
UniRef90_W77Y9	D V P T V L V P L D L T	H R C A V D A V W L D R L A A A G G R V A Q R G L N A L T		
UniRef90_L8PEF5	E V H I T M Y G L D V F	Q Q V V V P G A D V R R L R A S A S A P G G R D L A G E L L		
UniRef90_M1NYY1	A K D V T M I G L D V I	T Q T L L T Y E E T R T W H D L G S T T G G D F L G V A T		
UniRef90_F2CUA8	G A D I L A I G I N V T	H Q V I L S D V D R K K L E Q S D S K Y A R Y L S K I L		
UniRef90_U7F8D6	G I P L R M I G L D V T	S T A V L M K E Q D Q L K T L N T R A G E M F		
UniRef90_UPI000427C4C5	P I D A T M I G L D V T	T Q T L L T R E Q T R W R E L G T P A G A F L A D M T		
UniRef90_E0DCT1	K W P V T M V G L D L T	H Q A L A T A P V E T E I A G L G T D L G D F V V G L F		
UniRef90_W7B004	G V K L T M I G L D V T	S R A V L M Q K E V K Q L A A V N N R A S K L V V D I L		
UniRef90_Q1C20	G V K I H M I G L D V T	R K V L T S E N I L E Y I C R L D P K T G E F I R R I T		
UniRef90_R5XAM8	G L P V T M V G L D V T	H R T L C T K A D T A E W R A I G T E A A A K Y A D M V		
UniRef90_UPI00046AAFCE	G W K V V M V G L D L T	H Q A L C T P E A Y A K I L D A V I G T K P A R F I H E L M		
UniRef90_K9EZY7	C P E P I L C G L D L T	R K V A M T P D H L A R L A A A S N P L I R V I E D A M		
UniRef90_J5EE22	G L P I L M S G L D L T	R K A E A T V K E I H Q L K D K G R V S Q L A Y E L L		
UniRef90_S0RWP2	G I P I K M C G L N L T	R Q A N A T D T E I S R I R A L D G N R V G Q L A A D L I		
UniRef90_W4LKH4	G V P L T L L P L D V T	H R A A T P S R L A G L R D L K T P V V S E M V L R M I		
UniRef90_G6XJF4	D V P L T M F G L D M T	T Y E Q T C V T P A E F E R F A A E E G G S V S G K V V S E I T		
UniRef90_U2DWPO	A V P F T M V G L D V T	T R E V L T P N Y I E L L K Q F N T S L S N K F V I V D I L		
UniRef90_A0A037Z4T0	G V P I V I M P L D M T	F Q A L I Q T E Q V V D D I E R S G G A P G K A M A A L L		
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UniRef90_F3YAQ0	G R K I E M V G L D V T	T R A I V L T P N L L E Y M R F L N P E V A E F V G R I T		
UniRef90_F0INE7	M D T L V I G I S L T	T Q V I F N D Q D L S E I R D S G G K Y G K Y I Y D C C		
UniRef90_L0BAH8	D W P L V I I G L D V T	Q S M F S G A Y L D A L R R D E A G V P G R F I W D V S		
UniRef90_R1H0Z7	D R P P V V C G L N I T	E Q M R F T P D H L A L R R D A P L T A L V D D A L		
UniRef90_G7H5K4	T W P V V V V G L D V T	L K T V M T R Q A L A D I R D A A G K R A Q L L F D L S		
UniRef90_H4F5Q7	N L P I V L G L N L T	E N V A M T P E L L S R L L A T A S N P L I R V L E D A M		
UniRef90_I4BF79	H V P I V L G L N L T	E N I A M T P A L L N R L A S A D N P L I R V L E D A M		
UniRef90_K0V0H5	G W P L T L V G L D V T	H R T C L D P V R M Q R I L T E A H R T L G P L L A H S Y		
UniRef90_N2J7Q8	E V P V V M A P L N I T	H T A L E T P D A T A H P S R A Y T P L R H T L H T L		
UniRef90_M7X3C1	G A D V V V V G I N V T	T Q V L T D A D L S E L R N S K P H S Q I L Y D M C		
UniRef90_M0SGZ0	G K R V V L G A L Q A T	E A V R L D E K H R Q A V A Q L D H P V I G A V L A D A L		
UniRef90_G0DVL7	G L P I A M V G L D I T	G W Q A T V L P E N T E K L L A M G K T L P G L N A S G T M L		
UniRef90_S3K1X7	G L E I V M C G L D V T	R K A V L T P D F I A T P L P L N A S G T M L		
UniRef90_UPI0004648415	G K L I E M V G L D V T	R E I V L T P T L L E Y C C Q I N P D E G A Y L K A I T		
UniRef90_R2PR64	G L E I V M C G L D V T	N Q A M L T P E Y L A T L P L A N K T I G S M L		
UniRef90_A0A023V7D5	D W P V A I I G L D V T	E S F F S S E Y L D Q L R D D A G Q V G Q F I W D V S		
UniRef90_UPI0003819C42	E W P L T M F G L D V T	N T V R F K E A F V D T L A Q K N Q E L G G Q F V Q K S A		
UniRef90_UPI00037D1FC3	T A K T M V T W D A S L	D F G V M Y E E D I E E I Q A L N T K G S K F F L D I N		
UniRef90_D4YJ72	T A L T L L P L D V T	H Q C L S T P E R L A R L H A L P G R C A A A V A M L		
UniRef90_D5QC46	S C M I E M I G L D V T	R E I V F T P T L I E Y C K R I N P E I G Q Y L Q A I T		
UniRef90_S0JS55	G V H T T M V G L D V T	H R T V L T R S A T R T W R G L N T A S G R F L A D M V		
UniRef90_UPI0003B75647	F R K C V M I G L D V T	N Q I A L D A S C R E L L R I L N T K L S G R F I Y Q I T		
UniRef90_UPI00036FE738	P W N L T A V S L D V T	T Q V V M S P D Y M D A L A A G G S D A C G F L N A I S		
UniRef90_B8H0T5	G V P I L M V G L D V T	M Q V L I E A P Q Y A E L A T I D T P V G R L V N D W L		
UniRef90_E8TMA9	G V P I L M V G L D V T	M Q V L I E A P Q Y A E L A T I D T P V G R L V N D W L		
UniRef90_UPI00030D792C	G V P I L M V G L D V T	M Q V L I E A P Q Y A E L A T I D T P V G R L V N D W L		
UniRef90_U2KXD7	E V S T T M V G L D V T	L R A H I G N D A I R S W G D L N S R K S Q I I N A M A		
UniRef90_UPI0001FFE586	G W E V V M V G L D L T	H Q A V A G P E V R E A I R A V G T G P A R F V D E R L L		
UniRef90_UPI0003A9A935	G I P L V M V P L D M T	F Q A L M T Q Q E I D V V Q R D A G R P G Q A I A R L L		
UniRef90_I1NAL7	G A D V V V V G I N I T	T Q V Q F T D A D L L D L K E S K G K Y A P F L S D I C		
UniRef90_F5Z466	D W P V T V V G L D V T	K K V I M S N D Y L A R L A E C S P T Y G P F I Y D I T		
UniRef90_S8DRW8	V R K T M I P L N V T	H T A I V T N D D V A P S K A S T K L R H M L W T I W		
UniRef90_W4DX60	G L P V M M I G L D V T	L Q T R I T S E H V E H G R E E N K A V F E F M E E S L		
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UniRef90_K0DCN9	P L N I T E L V P L D V T	R K L E F T P N M L Q M M Q Y L D A E K A G F V A Q I M		
UniRef90_K9EWK2	G A K V T M I G L D V T	L Q T L L T Y E H T K T W R E L G T P A A T A L A D I T		
UniRef90_UPI000364CE91	D W P M V M A G L D V T	H Q V M L R K K D A E A L G A K T P R I G G F L Y N A A		
UniRef90_R5TAB5	G V P F H M C P L D T	T R E V Y L T A D D I E A I G A K T G N P I V A R M N Y E M C		
UniRef90_UPI0003R4WV3	W K V S I V G L D V T	H E T V M T T A F L A L R D S A G D A G R F V W D V S		
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UniRef90_S1RS34	G C P I E M V G L D V T	R K I V L T P N E I L Q Y S Q Y L N P S Q M G E I L A K I T		
UniRef90_E8LLC1	P A P L T I V P L D V T	N E V Q I T A E E I Q A S F A A S G N R A G R F V A G M L		
UniRef90_UPI0003D1B4	D I P L T V L P L D V T	H Q M R G T R A R L D A S F A A S G N R A G R F V A G M L		
UniRef90_UPI000362F733	W P L T I V G L D V T	H R V V M S T S Y L A S I A R D R G G V A G R F V A G M L		
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UniRef90_UPI0003FC4F96 K[V]V[K K F N K E V[H]K[L]N G T T H P 250 260 270 280
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UniRef90_UPI0004693897 Q F Y K A F Y K E A R G I D G C C P H D S C A L A W L M K P S E M F T V E R S G H L
UniRef90_J3JCQ7 Q F Y F G F H W Q Q E K V I G C V I N D P L A V A Y A I D P S L C C C G F S Y T
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UniRef90_E8TMA9	D	L	L		R		
UniRef90_UPI00030D792C	S	S	L		E	S	
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UniRef90_S8ELL2	K	V	I	L	D	L	D	T	D	T	G	V	D	D	D	A	L	A	L	A	Y	T	L	G	S	P	E	L	D	V	L	I	G	I	T	T	F	G	N	V				
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UniRef90_A9WE72	R	R	I	V	L	D	T	D	T	P	G	V	D	D	D	A	L	A	L	L	L	A	L	A	S	P	E	I	E	L	V	G	L	S	I	V	H	G	N	C				
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UniRef90_U4WFA3	H	H	I	I	D	T	D	T	P	G	V	D	D	D	D	V	A	L	I	A	A	A	L	F	H	D	Q	I	D	V	K	L	I	T	T	V	A	G	N	V				
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T I E T T T H N A R F L A G R F A P G P V V A Q G A G A P L K R A A P
T L P D V L L N T K R T L S I T D P S V P Y A V G A A Q P L L R
T I E K T F T N A L R I A K H L N I E T V P V A R G A E R P L I K P L
Y I G Q T T D N A C F L R D L F G I R T E V W Q G S S R P L Y A P L L P P
P V G A Q V S N A R L C S H K M G L Y I P V Y R G C S R P L I H A P T
D V E G V V R N T L T V L E R A G A P D V P V A R G A E R P L I E A V R
T I E N S T R N A V L K D K F Q L T C D I A Q G T G N P L V R E P V
S V E K T T R N A V L Q L L H F W N A D V P V A Q G A A T P L V R
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N L A N T Y R N S R D V L A L A G R E D I P V Y K G A A P L V L A
H L A K T S R N A R L A C E W G G R E D I P V Y A G A R P L V R
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P V D Y T Y R N T R A V L D R L G A D V P V F R G S K Q P L E L T R D
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T V D K T T A N A L K I V H F F D K D V P V A A G A K Q P L I K
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P T D L I G T T N A L K I L N W A Q R L D I P V I S G A K S P L K K A Y V S A Q
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P V E I G V E N V F K C L E K V N R L D I P V Y Q G A A S P L K R P F
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P A R L G A N N A L K I L Q F A G R L D I P V Y I G E S Q P L K V
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R A K V T R N V L R I L N I C N R L D I P V Y L G S E H C L A G D D W
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210 220 230 240

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UniRef90_A9WNE7	R R V A
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UniRef90_R8BYC3	R	R	I	I	L	D	T	D	A	D	V	D	D	G	F	A	L	A	L	A	H	A	D	P	E	D	L	L	D	L	V	I	T	T	T	V	I	G	N	T		
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K K V L L F G D I G I D D I I T L I Y A A L D E E I E V I A V S A Y G N I
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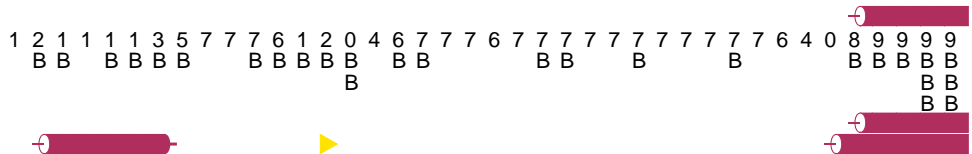
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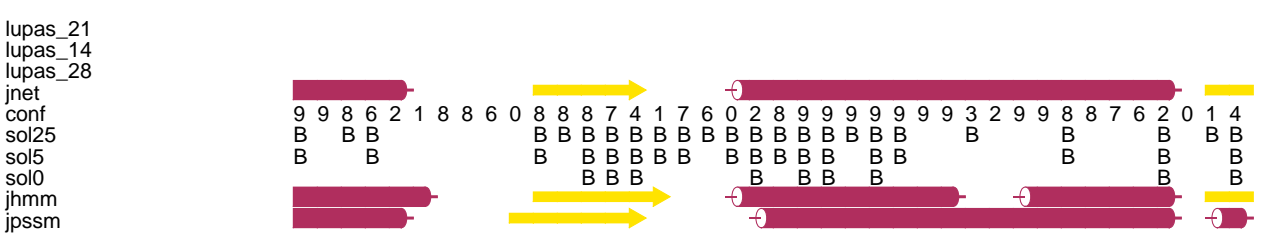
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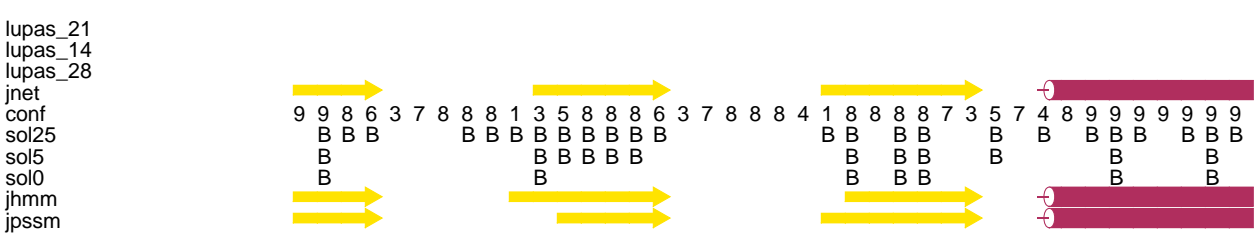
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