

QUERY	1	10	20	30	40																																						
UniRef90_UPI000346924E	A	T	Y	K	V	T	L	I	N	E	A	E	G	L	N	E	T	I	D	C	D	D	D	T	Y	I	L	D	A	A	E	K	A	G	L	K	L	P	Y	T	S		
UniRef90_B4F9V1	A	V	Y	K	V	K	L	I	G	P	E	D	G	Q	E	N	S	V	I	D	V	P	E	D	S	Y	I	L	D	S	A	A	E	N	A	G	L	K	L	P	Y	T	S
UniRef90_UPI00032AA2A5	A	V	Y	K	V	K	L	I	G	P	E	D	G	Q	E	N	S	V	I	D	V	P	E	D	S	Y	I	L	D	S	A	A	E	N	A	G	L	K	L	P	Y	T	S
UniRef90_I1PW34	A	H	V	K	V	K	L	I	G	P	E	D	G	Q	E	N	S	V	I	D	V	P	E	D	S	Y	I	L	D	S	A	A	E	N	A	G	L	K	L	P	Y	T	S
UniRef90_Q9AUE1	A	A	Y	K	I	K	L	T	E	E	N	G	A	E	E	F	E	F	E	Y	C	T	D	D	K	Y	I	L	D	A	A	E	E	T	A	G	V	E	L	P	Y	S	
UniRef90_A8YFQ1	A	Y	N	V	T	L	R	T	P	E	N	G	Q	Y	T	E	E	V	I	D	V	P	E	D	S	Y	I	L	D	A	A	E	E	E	E	A	G	L	K	L	P	Y	S
UniRef90_P00241	A	S	Y	K	I	H	L	V	N	K	D	Q	G	I	D	E	T	I	E	Y	C	P	D	D	Q	Y	I	L	D	A	A	E	E	Q	G	L	K	L	P	Y	S		
UniRef90_K9Z2Q0	T	Y	K	V	T	L	H	H	R	Q	E	N	R	I	Q	T	I	E	V	P	E	D	D	Q	Y	I	L	A	T	A	E	K	Q	A	V	E	L	P	F	S			
UniRef90_K9TV64	T	H	T	I	R	I	H	D	R	A	N	G	T	I	H	T	V	E	V	P	E	D	D	Q	Y	I	L	R	S	A	E	K	Q	A	V	E	L	P	F	S			
UniRef90_UPI00034D23EB	A	V	I	K	V	R	L	I	N	S	N	I	G	L	D	R	I	E	V	P	E	D	D	Q	Y	I	L	D	I	A	E	D	A	G	I	R	L	P	S	G			
UniRef90_O04683	A	A	Y	K	V	T	L	V	T	P	E	Q	G	K	Q	E	L	E	V	C	P	D	D	V	Y	I	L	D	S	A	A	E	E	R	E	G	L	K	L	P	Y	S	
UniRef90_B8HUL8	S	T	Y	S	V	E	I	Y	D	R	Q	Q	G	V	K	H	T	F	S	V	P	E	D	D	R	Y	I	L	Q	S	A	E	E	R	E	G	V	E	L	P	F	S	
UniRef90_UPI0002E974DE	H	T	I	T	V	H	D	R	Q	K	G	V	T	H	T	F	S	V	P	E	D	D	R	Y	I	L	H	T	A	E	H	Q	G	N	S	L	P	F	S				
UniRef90_B1XJL7	A	S	Y	E	V	T	L	K	T	P	E	G	E	Y	T	V	S	E	V	P	E	D	D	M	Y	I	L	D	E	A	E	N	Q	N	I	E	L	P	Y	S			
UniRef90_K6UES2	A	Y	N	I	T	L	R	T	N	D	G	E	K	K	I	E	V	C	P	E	D	D	E	Y	I	L	D	E	A	S	E	R	Q	N	I	E	L	P	Y	S			
UniRef90_K9W9W2	A	T	Y	K	V	R	L	I	N	K	K	R	A	I	D	T	T	I	E	V	G	D	D	T	Y	I	L	E	A	A	E	E	Q	G	L	K	L	P	F	S			
UniRef90_K9TZN5	T	Y	T	V	Q	I	H	H	Q	G	E	T	H	T	I	Q	V	P	E	D	D	K	L	I	R	A	A	T	A	A	G	L	K	L	P	S	S						
UniRef90_U5DGL3	A	T	Y	K	V	T	L	V	T	P	E	G	T	K	V	L	E	C	P	E	D	D	T	Y	I	L	D	Q	A	L	D	T	G	I	K	L	P	Y	S				
UniRef90_B2J5J9	A	V	I	Q	V	R	F	I	N	P	T	L	G	L	D	R	T	I	A	V	P	E	D	D	Q	Y	I	L	D	I	A	E	D	A	G	I	R	L	P	S	G		
UniRef90_UPI0003458DD4	Y	Q	I	R	L	I	N	E	K	L	K	L	D	R	T	I	Q	V	P	E	D	D	Q	Y	I	L	D	I	A	A	E	E	K	G	V	R	L	P	S	G			
UniRef90_I4I6W0	T	Y	K	V	T	L	K	T	P	E	N	G	D	T	I	D	V	P	E	D	N	E	Y	I	L	E	V	A	E	E	K	G	L	K	L	P	S	S					
UniRef90_B8HY07	T	Y	K	V	T	L	F	N	P	D	K	D	W	K	V	T	I	P	V	K	R	D	E	Y	I	L	D	A	A	E	A	Q	G	I	E	L	P	A	A				
UniRef90_UPI00036B99EA	S	Y	Q	F	T	I	L	E	P	E	P	L	Q	E	T	I	E	V	E	E	G	Q	T	L	L	D	A	A	E	L	R	A	G	I	Y	L	P	H	A				
UniRef90_O04090	A	T	Y	K	V	K	F	I	T	P	E	G	E	Q	E	V	E	C	P	E	D	D	T	Y	I	L	D	A	A	E	E	A	G	L	K	L	P	Y	S				
UniRef90_P00229	A	T	Y	K	V	T	L	V	T	P	E	S	G	T	Q	T	I	D	C	P	E	D	D	T	Y	I	L	D	A	A	E	E	A	G	L	K	L	P	Y	S			
UniRef90_L0AYL5	Y	S	V	K	L	V	I	F	E	N	S	R	E	K	V	I	E	S	G	P	E	D	E	Y	I	L	D	A	A	E	N	Q	G	L	K	L	P	Y	S				
UniRef90_E0UHM4	T	H	T	V	E	I	H	I	Q	G	T	H	T	I	K	V	A	E	D	Q	T	I	L	N	A	A	E	L	D	A	G	I	K	L	P	Y	S						
UniRef90_C1FHQ8	F	T	V	T	L	E	T	P	E	G	K	Q	D	I	S	C	A	D	D	T	Y	V	L	D	A	A	E	E	A	G	I	K	L	P	Y	S							
UniRef90_I0YLK7	Y	S	I	T	F	K	Y	P	E	D	A	D	K	V	E	V	D	A	E	T	Y	I	L	D	A	T	D	D	A	G	V	D	M	P	Y	A							
UniRef90_C4KBD2	S	Y	E	L	T	I	F	E	P	E	P	L	Q	G	T	I	E	V	E	E	G	Q	T	L	L	D	A	A	E	L	R	A	G	I	W	L	P	H	A				
UniRef90_UPI0003637F84	Y	K	I	T	V	C	D	R	A	L	D	R	T	Y	E	F	N	V	P	D	D	E	Y	I	L	Q	S	I	E	K	Q	K	K	L	P	F	S						
UniRef90_A9NX82	A	V	H	K	V	K	L	I	M	P	D	G	V	E	S	E	F	D	A	P	E	D	D	V	Y	I	L	D	S	A	E	N	A	G	L	K	L	P	Y	S			
UniRef90_A0A022PT06	S	H	K	V	T	V	H	D	R	Q	D	G	V	V	E	F	F	V	P	E	D	D	Q	Y	I	L	H	T	A	E	D	Q	D	I	T	L	P	F	A				
UniRef90_B0C9F9	F	T	I	H	I	R	D	R	H	S	G	N	D	Y	K	V	L	V	P	A	D	H	Y	I	L	E	S	V	E	Q	Q	G	R	R	L	P	F	A					
UniRef90_UPI00034CAA8F	T	Y	T	V	E	I	L	H	E	G	Q	S	T	H	E	F	E	V	P	E	N	V	T	V	L	Q	A	A	H	D	A	N	I	E	L	P	S	S					
UniRef90_A7YX18	A	H	F	K	V	T	L	E	T	P	D	G	T	Q	E	F	E	C	P	E	D	V	Y	I	L	L	Q	A	E	E	E	G	L	E	L	P	Y	S					
UniRef90_S6ALY3	S	Y	Q	V	T	I	L	E	P	E	P	T	G	E	Q	I	E	V	E	E	G	Q	T	L	L	Q	A	A	E	L	R	Q	G	V	W	L	P	F	A				
UniRef90_L8LNH3	T	Y	T	V	K	I	H	H	Q	S	E	D	Y	I	E	V	C	P	E	D	D	T	Y	I	L	A	V	A	A	E	K	A	G	V	E	L	P	S	S				
UniRef90_B5WS21	F	T	V	K	L	S	R	S	S	R	T	F	T	M	S	P	S	E	T	V	L	L	D	A	A	E	L	R	A	G	K	N	G	V	I	P	S	S					
UniRef90_UPI00047A0734	T	Y	K	V	R	L	I	N	P	P	E	M	D	V	T	L	E	V	P	E	D	E	Y	I	L	D	S	V	A	E	D	E	G	L	K	L	P	Y	A				
UniRef90_B7JWZ3	V	A	G	T	V	T	L	D	G	V	T	R	S	F	Q	I	A	E	G	E	T	I	L	S	D	A	A	E	L	A	N	D	M	D	A	P	Y	S					
UniRef90_UPI000225FD12	Y	K	V	K	L	V	N	E	A	Q	K	L	N	T	T	S	V	S	D	K	E	Y	I	L	D	A	A	E	R	Q	G	I	E	L	P	V	A						
UniRef90_E0UFN1	S	F	E	I	T	L	I	R	P	S	G	H	V	F	E	A	E	D	D	E	T	L	L	E	A	A	E	L	R	Q	G	F	A	L	P	Y	G						
UniRef90_B8GSU4	Y	N	V	T	L	L	L	E	D	D	K	T	A	T	I	K	C	P	D	T	T	Y	I	L	D	Q	A	E	E	S	G	Y	E	L	P	Y	S						
UniRef90_I7DLM0	T	Y	T	V	E	I	L	D	H	Q	K	K	I	H	T	L	Q	V	P	E	N	E	Y	I	L	S	V	A	D	A	A	G	L	E	L	P	S	S					
UniRef90_Q6B8Y2	T	Y	K	V	R	L	I	K	G	K	R	K	K	I	T	D	V	P	E	D	E	Y	I	L	D	A	A	E	E	Q	E	L	E	I	P	S	S						
UniRef90_B2J3U9	S	Y	Q	V	T	V	L	K	Q	P	S	G	K	Q	F	A	A	E	A	D	E	T	L	L	D	A	A	E	L	R	Q	G	L	T	L	P	Y	G					
UniRef90_L8LSU5	Y	K	V	K	L	L	T	P	E	G	E	K	E	F	E	C	P	E	D	D	V	Y	I	L	D	N	A	E	E	I	G	I	D	L	P	Y	S						
UniRef90_Q47JE3	S	Y	Q	I	T	I	L	E	T	P	D	G	T	E	T	I	D	C	D	E	E	S	Y	I	L	D	V	A	E	E	A	G	V	E	L	P	S	A					
UniRef90_P85121	F	T	V	T	L	E	T	P	D	G	T	E	T	I	D	C	D	E	E	S	Y	I	L	D	V	A	E	E	A	G	V	E	L	P	S	A							
UniRef90_UPI0003B2EC4C	Y	N	V	T	L	L	L	E	D	D	K	T	A	T	I	K	C	P	D	T	T	Y	I	L	D	Q	A	E	E	S	G	Y	E	L	P	Y	S						
UniRef90_Q00GM0	T	Y	T	V	E	I	L	D	H	Q	K	K	I	H	T	L	Q	V	P	E	N	E	Y	I	L	S	V	A	D	A	A	G	L	E	L	P	S	S					
UniRef90_R9XYH0	T	Y	K	V	R	L	I	K	G	K	R	K	K	I	T	D	V	P	E	D	E	Y	I	L	D	A	A	E	E	Q	E	L	E	I	P	S	S						
UniRef90_UPI00035DE06E	Y	N	V	T	L	L	L	E	D	D	K	T	A	T	I	K	C	P	D	T	T	Y	I	L	D	Q	A	E	E	S	G	Y	E	L	P	Y	S						
UniRef90_UPI00037845ED	T	Y	T	V	E	I	L	D	H	Q	K	K	I	H	T	L	Q	V	P	E	N	E	Y	I	L	S	V	A	D	A	A	G	L	E	L	P	S	S					
UniRef90_B5SC55	E	V	A	L	T	V	V	L	D	G	K	S	H	P	V	M	A	G	D	A	K	V	L	L	D	S	A	A	E	L	R	Q	G	V	G	L	P	Y	A				
UniRef90_UPI00039419A6	I	E	V	A	F	T	A	S	D	K	T	V																															

[illegible]

90

QUERY	A	Y	P	T	S	D	C	T	I	K	T	H	Q	E	E	G	L	Y		
UniRef90_UPI000346924E	A	Y	P	T	S	D	C	T	I	E	T	H	Q	E	E	D	E	L	Y	
UniRef90_B4F9V1	A	Y	P	T	S	D	C	V	I	Q	T	H	R	E	E	A	D	L	Y	
UniRef90_UPI00032AA2A5	S	Y	P	K	S	D	L	V	I	Y	T	H	K	E	E	E	E	L	Y	
UniRef90_I1PW34	S	Y	P	K	A	D	C	V	I	H	T	H	K	E	E	E	E	L	Y	
UniRef90_Q9AUE1	S	Y	P	A	S	D	C	V	I	H	T	H	K	E	E	E	E	L	Y	
UniRef90_A8YFQ1	A	Y	A	T	S	N	C	V	I	E	T	D	K	E	E	E	E	L	Y	
UniRef90_P00241	A	Y	P	T	S	N	A	T	I	L	T	H	Q	E	E	E	S	L	Y	
UniRef90_K9Z2Q0	S	Y	P	R	S	D	L	V	V	E	T	Q	D	E	D	E	D	E	V	Y
UniRef90_K9TV64	S	Y	A	R	S	D	M	E	V	E	T	Q	D	E	D	E	D	E	V	Y
UniRef90_UPI00034D23EB	A	Y	P	L	S	D	C	T	L	E	T	H	Q	E	E	E	V	L	Y	
UniRef90_O04683	A	Y	P	T	G	D	V	T	I	E	T	H	K	E	E	E	E	L	Y	
UniRef90_B8HUL8	S	Y	A	R	S	D	L	V	V	E	T	Q	D	E	D	E	D	E	V	Y
UniRef90_UPI0002E974DE	S	Y	A	R	S	D	L	E	V	E	T	Q	D	E	D	E	D	E	V	Y
UniRef90_B1XJL7	A	Y	P	T	S	N	C	V	I	E	T	H	K	E	E	E	D	L	Y	
UniRef90_K6UES2	C	Y	P	K	S	D	C	V	I	E	T	H	K	E	E	D	E	L	H	
UniRef90_K9W9W2	A	Y	P	R	S	D	C	T	I	R	T	H	Q	E	A	Y	L			
UniRef90_K9TZN5	A	R	P	R	S	D	L	K	I	E	T	E	K	E	E	E	E	L	Y	
UniRef90_U5DGL3	A	F	P	M	S	D	V	T	I	E	T	H	K	E	E	E	E	L		
UniRef90_B2J5J9	T	Y	P	L	S	N	C	T	L	E	T	H	Q	E	Q	V	L	Y		
UniRef90_UPI0003458DD4	S	Y	P	L	S	D	C	V	L	E	T	H	Q	E	E	H	L	Y		
UniRef90_I4I6W0	A	Y	P	T	S	D	C	V	I	V	T	H	K	E	E	D	L	Y		
UniRef90_B8HY07	A	Y	P	T	S	D	C	V	I	Q	T	H	Q	E	D	A	L			
UniRef90_UPI00036B99EA	A	T	P	L	S	D	L	T	I	E	A	D	L	E	E	E				
UniRef90_O04090	A	Y	P	T	S	D	V	V	I	E	T	H	K	E	E	A	I			
UniRef90_P00229	A	F	P	K	G	D	V	T	I	E	T	H	K	E	E	D	I			
UniRef90_L0AYL5	A	Y	A	K	S	D	C	T	I	H	T	H	K	E	E	D	R	L	H	
UniRef90_E0UHM4	A	Y	P	R	S	D	V	K	V	E	T	E	K	E	D	S	V	Y		
UniRef90_C1FHQ8	A	Y	P	T	S	D	C	T	I	K	T	H	M	E	E	E	S	L	Y	
UniRef90_I0YLK7	S	Y	P	T	S	D	L	V	I	E	T	H	K	E	E	D	E	V		
UniRef90_C4KBD2	A	R	L	E	S	D	V	T	I	E	A	E	I	E	E	D				
UniRef90_UPI0003637F84	S	Y	A	Q	S	D	L	V	V	E	T	Q	D	E	D	E	V	Y		
UniRef90_A9NX82	S	Y	P	T	S	D	C	V	I	H	T	Q								
UniRef90_A0A022PT06	G	Y	P	S	S	D	L	E	V	E	T	Q	D	E	D	E	V	Y		
UniRef90_B0C9F9	S	Y	P	K	S	D	L	V	V	E	T	Q	D	E	D	E	V	Y		
UniRef90_UPI00034CAA8F	S	Y	P	R	S	D	L	K	V	A	T	N	K	E	D	E	V	Y		
UniRef90_A7YX18	T	Y	A	T	S	D	V	T	I	K	T	H	C	E	D	E	L			
UniRef90_S6ALY3	A	I	P	Q	S	D	L	V	I	E	A									
UniRef90_L8LNH3	A	H	P	T	S	D	L	V	I	E	S	E	K	E	E	I	V	Y		
UniRef90_B5WS21	S	R	P	T	S	D	L	V	L	E	L									
UniRef90_UPI00047A0734	S	H	P	K	T	E	R	V	V	V	D	Y	D							
UniRef90_B7JWZ3	A	Y	P	T	S	D	C	T	I	K	T	H	Q	E	A	Y	L			
UniRef90_UPI000225FD12	A	H	P	I	S	D	R	V	V	V	S	Y	D	E						
UniRef90_E0UFN1	A	F	P	R	S	D	C	V	I	L	T	G	Q	E	D	A	L			
UniRef90_B8GSU4	A	I	A	M	S	D	L	E	I	E	V	R	E							
UniRef90_I7DLM0	A	Y	P	L	S	D	K	V	V	V	D	Y	D							
UniRef90_Q6B8Y2	A	Y	P	T	S	D	C	T	I	L	T	H	Q	E	S	S	L	Y		
UniRef90_B2J3U9	A	K	P	L	S	D	L	K	L	E	T	E	K	E	D	I	V	Y		
UniRef90_L8LSU5	A	Y	P	K	S	D	C	T	I	K	T	H	Q	E	A	Y	L			
UniRef90_Q47JE3	A	K	A	Q	S	D	L	V	I	E	C	K	Q	V	I	S				
UniRef90_P85121	A	Y	A	N	S	D	V	V	I	E	T	H	K	E	E	E	V			
UniRef90_UPI0003B2EC4C	A	T	V	T	S	D	V	T	I	E	A	D	V	D	E	D				
UniRef90_Q00GM0	S	Y	P	T	S	D	C	T	I	K	T	H	Q	E	E	E	L	F		
UniRef90_R9XYH0	A	L	P	T	S	D	C	S	I	K	T	H	Q	E	E	E	L	Y		
UniRef90_UPI00035DE06E	A	R	A	T	G	P	K	V	V	L	S	F	D	D						
UniRef90_UPI00037845ED	A	T	P	Q	T	D	L	V	I	E	S	R	E							
UniRef90_B5SC55	A	R	P	L	T	Q	R	V	V	V	S	Y	D	E						
UniRef90_UPI00039419A6	S	V	P	Q	G	D	V	V	V	E										
UniRef90_S5TMB5	T	R	P	K	G															
UniRef90_UPI0003630F4E	G	Y	P	E	S	D	V	V	I	E	L									
UniRef90_I2ES74	A	H	P	M	T	G	V	V	I	E	I									
UniRef90_X7EJT0	C	V	P	L	S	D	R	L	V	V	T	Y	D	E						
UniRef90_C3MH86	C	Y	P	L	S	D	R	I	V	V	S	Y	D							
UniRef90_UPI000471B8F7	A	R	A	Q	S	D	L	V	I	E	S	T	E							
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UniRef90_V5PY00	A	R	P	L	T	E	R	V	V	V	S	Y	D	E						
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T I K L D I K K T T Y D L V V G E N Q S I L Q A A L R Q N N I Q I P Y S
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UniRef90_G2J3C4	R	D	G	A	C	G	T	T	C	R	C	L	C	E	S	G	E	Y	D	L	P	E	S	S	Y	I	A	L	E	N	T	P	D	E	L	Q	A	A	G	F	V	L	T	C	Q	
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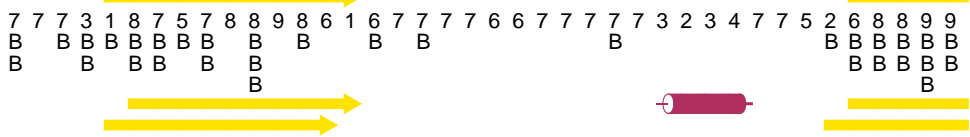
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UniRef90_W0DCN5
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UniRef90_F2G4X9 S Q A V T D V E I Q L
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UniRef90_E8N271
UniRef90_E8N3I8
UniRef90_Q8DGL4 A R V L G P V V V E L P
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UniRef90_UPI00036B2CEF	C R G G L C H S C A I K I V S G N A E P K E N Q Q L A R K L K K N P E R L A C Q			
UniRef90_W7X6W4	C V N G G C G V C K V R I L D G D I			
UniRef90_B2J7J7	C R G G S C G T C A V K V E G E V R D R A R R S L P P H S P K T D L R L A C Q			
UniRef90_M0IT05	R G G G S C G T C A V E V R G P V T Y R R R L R F P P H D P D S G L R L A C Q			
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UniRef90_H2JL37	C R S G S C G A C V I E V L E G E P D P D E L D F L E D L G R T G G H R L A C Q			
UniRef90_D8G9R5	C H G G T C G T C A V E V E G E V S E P S W R E L P P H S P T S N R R L A C Q			
UniRef90_UPI00037F0E99	C K S C A C T T C H V I V R E G G E S L E P A S D L E E W G V D P D S R L A C Q			
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