

QUERY	1	10	20	30	40																																											
UniRef90_K1VQV2	D	N	S	V	I	K	W	V	T	L	K	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q
UniRef90_W07520	D	S	I	K	W	T	T	L	R	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_V4BLU2	D	G	V	K	W	K	T	L	R	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_R9XCK8	D	S	V	K	W	V	T	L	R	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_F1KRD1	D	G	V	K	W	N	S	L	S	H	K	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_Q4SR65	D	G	V	K	W	K	F	L	S	H	K	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_M5GFM6	S	Q	K	W	S	T	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q			
UniRef90_T1G5Y2	G	V	K	W	K	T	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q			
UniRef90_M3ZT25	D	G	V	K	W	K	S	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_G7E2E9	I	K	W	E	T	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q				
UniRef90_Q6FNH4	D	T	I	K	W	V	S	L	K	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_J7S6F4	D	S	I	K	W	T	T	L	K	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_T110G8	D	G	V	K	W	N	Y	L	E	H	K	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_Q6FVE9	D	T	I	K	W	T	T	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_UPI0003AEB995	G	V	K	W	T	Q	L	E	H	R	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q			
UniRef90_W5MPB0	D	G	T	K	W	Q	F	L	E	H	K	G	P	V	F	A	S	E	Y	E	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q				
UniRef90_UPI000359FFCA	V	K	W	R	Q	L	E	H	R	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q				
UniRef90_S21YR1	D	S	V	K	W	T	T	L	Q	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_C0SEQ3	T	I	K	W	T	T	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q			
UniRef90_R7UGR3	E	G	C	K	W	R	Y	L	Q	H	M	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_UPI0003ACBF5B	D	G	V	K	W	Q	L	E	H	K	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q			
UniRef90_UPI0003ABB2F5	D	R	V	K	W	R	Q	L	E	H	K	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_E0VRA1	D	G	K	K	W	K	F	L	E	H	K	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_P07799	D	T	Q	K	W	T	T	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_K0KLD2	D	T	I	K	W	D	T	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_L7N3P9	D	G	I	K	W	K	F	L	E	H	E	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_UPI000455D9DB	I	K	W	Q	T	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q				
UniRef90_UPI0003EAE2F6	D	G	I	K	W	K	F	L	E	H	R	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_G3ATV1	K	W	E	S	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q					
UniRef90_UPI0003K5XCG1	S	M	K	W	T	K	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q			
UniRef90_S4RKW4	D	G	V	R	W	K	F	L	E	H	Q	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_A0A024JLF6	T	V	R	W	T	T	L	E	H	H	E	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_T2MH26	D	G	I	K	W	K	T	L	E	H	E	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_Q0UUB0	S	K	K	W	D	T	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q			
UniRef90_UPI00044075D0	S	I	K	W	N	T	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q			
UniRef90_V9KMZ1	D	G	V	K	W	R	F	L	E	H	K	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_R7YJY6	T	K	K	W	T	T	L	Q	H	S	G	V	V	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q			
UniRef90_B7Q9Y0	D	G	K	K	W	R	T	L	E	H	K	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_G3PKT3	D	G	V	K	W	K	F	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_UPI0004416C1C	S	I	K	W	K	T	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q			
UniRef90_W4ZE35	E	G	V	K	W	M	F	L	E	H	T	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_Q6BLX2	K	W	E	S	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q					
UniRef90_E3KJL6	D	T	K	K	W	S	T	L	Q	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_S7MGF5	E	G	I	K	W	K	F	L	E	H	K	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_C4XZS7	R	W	Q	T	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q					
UniRef90_K2SIS5	D	T	I	K	W	H	T	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_V2XTI4	S	V	K	W	T	T	L	E	H	N	G	V	L	F	P	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q			
UniRef90_A9V5T5	D	G	Q	K	W	R	T	L	T	H	R	G	P	V	F	A	P	P	P	Y	Q	V	P	L	L	S	K	N	V	K	M	K	Y	D	G	K	P	V	V	T	L	L	P	P	P	Q		
UniRef90_E5SUA5	D	S	V	K	W	K	F	L	E	H	K	G	P	V	F	A	P	P	P	Y	Q	V	P	L</																								

QUERY UniRef90_K1VQV2 UniRef90_W07520 UniRef90_V4BLU2 UniRef90_R9XCK8 UniRef90_F1KRD1 UniRef90_Q4SR65 UniRef90_M5GFM6 UniRef90_T1G5Y2 UniRef90_M3ZT25 UniRef90_G7E2E9 UniRef90_Q6FNH4 UniRef90_J7S6F4 UniRef90_T110G8 UniRef90_Q6FVE9 UniRef90_UPI0003AEB995 UniRef90_W5MPB0 UniRef90_UPI000359FFCA UniRef90_S21YR1 UniRef90_C0SEQ3 UniRef90_R7UGR3 UniRef90_UPI0003ACBF5B UniRef90_UPI0003ABB2F5 UniRef90_E0VRA1 UniRef90_P07799 UniRef90_K0KLD2 UniRef90_L7N3P9 UniRef90_UPI000455D9DB UniRef90_UPI0003EAE2F6 UniRef90_K3ATV1 UniRef90_G5XCG1 UniRef90_S4RKW4 UniRef90_A0A024JLF6 UniRef90_T2MH26 UniRef90_Q0UUB0 UniRef90_UPI00044075D0 UniRef90_V9KMZ1 UniRef90_R7YJY6 UniRef90_B7Q9Y0 UniRef90_G3PKT3 UniRef90_UPI0004416C1C UniRef90_W4ZE35 UniRef90_Q6BLX2 UniRef90_E3KJL6 UniRef90_S7MGF5 UniRef90_C4XZS7 UniRef90_K2SIS5 UniRef90_V2XTI4 UniRef90_A9V5T5 UniRef90_E5SUA5 UniRef90_G0VE00 UniRef90_G8BYC4 UniRef90_B2DDA7 UniRef90_A3LUX2 UniRef90_D5GIC5 UniRef90_T1J4Y8 UniRef90_C4R3Z3 UniRef90_U1G8C0 UniRef90_G4MR71 UniRef90_P41512 UniRef90_G3J934 UniRef90_I4Y6D9 UniRef90_U6HQ28 UniRef90_U4LS70 UniRef90_H1UW96 UniRef90_G3B1F3 UniRef90_A7TJW1 UniRef90_UPI000441397B UniRef90_W5LQR5 UniRef90_H2KNI9 UniRef90_R4XH22 UniRef90_UPI00026575F8 UniRef90_S7QCY2 UniRef90_T1PEJ1 UniRef90_F7CC85 UniRef90_F4P4H2 UniRef90_B6JVY3 UniRef90_M7XKA4 UniRef90_F4RJG2 UniRef90_K5UX68 UniRef90_A8N6Y9 UniRef90_R8BF31 UniRef90_F0XHG3 UniRef90_S8G2S4 UniRef90_H3EHN8 UniRef90_S9V9Y4 UniRef90_V5IQ16 UniRef90_G0SCM2 UniRef90_W3XLL2 UniRef90_D8QC57 UniRef90_G4TKD6 UniRef90_W6MJD9

50 60 70 80

A S E E E V A G F F F A A M I L E E T D H A K N D P V F Q K A N F F F N D F F K V L K E S G G P
UniRef90_K1VQV2 UniRef90_W07520 UniRef90_V4BLU2 UniRef90_R9XCK8 UniRef90_F1KRD1 UniRef90_Q4SR65 UniRef90_M5GFM6 UniRef90_T1G5Y2 UniRef90_M3ZT25 UniRef90_G7E2E9 UniRef90_Q6FNH4 UniRef90_J7S6F4 UniRef90_T110G8 UniRef90_Q6FVE9 UniRef90_UPI0003AEB995 UniRef90_W5MPB0 UniRef90_UPI000359FFCA UniRef90_S21YR1 UniRef90_C0SEQ3 UniRef90_R7UGR3 UniRef90_UPI0003ACBF5B UniRef90_UPI0003ABB2F5 UniRef90_E0VRA1 UniRef90_P07799 UniRef90_K0KLD2 UniRef90_L7N3P9 UniRef90_UPI000455D9DB UniRef90_UPI0003EAE2F6 UniRef90_K3ATV1 UniRef90_G5XCG1 UniRef90_S4RKW4 UniRef90_A0A024JLF6 UniRef90_T2MH26 UniRef90_Q0UUB0 UniRef90_UPI00044075D0 UniRef90_V9KMZ1 UniRef90_R7YJY6 UniRef90_B7Q9Y0 UniRef90_G3PKT3 UniRef90_UPI0004416C1C UniRef90_W4ZE35 UniRef90_Q6BLX2 UniRef90_E3KJL6 UniRef90_S7MGF5 UniRef90_C4XZS7 UniRef90_K2SIS5 UniRef90_V2XTI4 UniRef90_A9V5T5 UniRef90_E5SUA5 UniRef90_G0VE00 UniRef90_G8BYC4 UniRef90_B2DDA7 UniRef90_A3LUX2 UniRef90_D5GIC5 UniRef90_T1J4Y8 UniRef90_C4R3Z3 UniRef90_U1G8C0 UniRef90_G4MR71 UniRef90_P41512 UniRef90_G3J934 UniRef90_I4Y6D9 UniRef90_U6HQ28 UniRef90_U4LS70 UniRef90_H1UW96 UniRef90_G3B1F3 UniRef90_A7TJW1 UniRef90_UPI000441397B UniRef90_W5LQR5 UniRef90_H2KNI9 UniRef90_R4XH22 UniRef90_UPI00026575F8 UniRef90_S7QCY2 UniRef90_T1PEJ1 UniRef90_F7CC85 UniRef90_F4P4H2 UniRef90_B6JVY3 UniRef90_M7XKA4 UniRef90_F4RJG2 UniRef90_K5UX68 UniRef90_A8N6Y9 UniRef90_R8BF31 UniRef90_F0XHG3 UniRef90_S8G2S4 UniRef90_H3EHN8 UniRef90_S9V9Y4 UniRef90_V5IQ16 UniRef90_G0SCM2 UniRef90_W3XLL2 UniRef90_D8QC57 UniRef90_G4TKD6 UniRef90_W6MJD9

QUERY		90	100	110	120																																						
UniRef90_K1VQV2	A	E	G	V	K	I	T	S	L	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	K	Q	L	E	S	K	K	Q	R	L	E	R	
UniRef90_W07520	R	E	K	N	V	E	I	K	D	F	E	K	L	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R	
UniRef90_V4BLU2	U	N	K	E	V	I	T	D	F	E	K	L	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_R9XCK8	R	N	G	I	E	I	Q	E	F	S	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_F1KRD1	A	E	E	R	E	T	I	T	E	L	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R	
UniRef90_Q4SR65	A	E	E	K	A	K	I	T	D	L	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R	
UniRef90_M5GFM6	R	N	G	I	K	I	K	S	L	D	A	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_T1G5Y2	E	E	R	H	L	I	T	D	L	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_M3ZT25	E	E	R	L	V	I	T	D	L	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_G7E2E9	T	N	G	I	D	I	Q	E	F	D	R	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_Q6FNH4	R	N	K	I	N	I	T	V	F	D	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_J7S6F4	L	N	G	I	N	I	V	L	F	D	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_T110G8	K	E	K	E	L	I	T	D	L	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_Q6FVE9	Q	N	G	I	E	I	E	S	F	D	R	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_UPI0003AEB995	E	E	Q	S	L	I	K	D	L	S	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_W5MPB0	E	E	R	E	L	I	T	R	L	D	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_UPI000359FFCA	E	E	R	E	L	I	T	R	L	D	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_S21YR1	N	P	K	I	K	E	F	S	D	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R			
UniRef90_C0SEQ3	K	N	P	V	A	I	N	S	F	D	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_R7UGR3	K	E	E	R	K	E	L	R	D	L	R	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R	
UniRef90_UPI0003ACBF5B	E	E	E	R	K	I	I	K	H	L	D	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R	
UniRef90_UPI0003ABB2F5	E	E	E	R	E	V	I	K	S	L	D	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R	
UniRef90_E0VRA1	K	E	R	K	V	I	T	D	L	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_P07799	N	H	N	I	K	E	F	S	D	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R			
UniRef90_K0KLD2	N	V	Q	I	K	E	F	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R				
UniRef90_L7N3P9	E	R	M	V	I	T	D	L	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R			
UniRef90_UPI000455D9DB	R	N	G	I	K	I	T	K	F	E	D	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_UPI0003EAE2F6	E	E	K	M	I	T	D	L	E	N	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_G3ATV1	G	V	D	I	N	D	F	T	K	M	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R				
UniRef90_UPI0003ACBF5B	R	D	G	T	K	I	T	S	F	E	L	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_S4RKW4	E	E	R	S	V	I	T	D	L	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_A0A024JLF6	K	E	E	R	P	L	E	I	K	E	F	A	K	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R	
UniRef90_T2MH26	K	E	E	R	N	I	K	S	L	D	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_Q0UUB0	K	D	K	V	K	I	K	K	F	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_UPI00044075D0	R	D	G	T	M	I	K	E	F	D	R	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_V9KMZ1	L	D	G	T	M	I	T	N	L	N	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_R7YJY6	K	D	K	V	K	I	T	S	F	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_B7Q9Y0	K	E	A	E	L	I	T	D	L	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_G3PKT3	E	E	R	L	L	I	T	D	L	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_UPI0004416C1C	L	D	G	T	N	I	T	D	M	K	L	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_W4ZE35	I	K	D	M	K	L	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R							
UniRef90_Q6BLX2	R	D	G	T	K	I	K	E	F	S	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_E3KJL6	E	E	N	I	T	I	N	L	E	S	F	D	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R
UniRef90_S7MGF5	E	E	N	I	T	I	N	L	E	S	F	D	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R
UniRef90_C4XZS7	D	V	D	I	T	N	E	F	D	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R			
UniRef90_K2SIS5	G	K	K	I	K	I	E	K	F	D	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_V2XTI4	R	N	S	L	K	V	T	D	F	N	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_A9V5T5	Q	E	R	K	D	L	T	D	L	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_E5SUA5	K	E	R	E	I	I	T	D	L	S	R	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_G0VE00	K	N	G	I	T	I	E	K	F	E	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_G8BYC4	L	N	G	V	S	I	E	N	F	S	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_B2DDA7	L	N	G	V	S	I	E	N	F	S	K	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef90_A3LUX2	S	D	V	E	I	V	Q	N	L	E	D	C	D	F	S	T	K	M	F	D	Y	F	Q	L	Q	K	E	Q	K	K	Q	L	E	S	K	K	Q	R	L	E	R		
UniRef																																											

QUERY UniRef90_K1VQV2 UniRef90_W0T520 UniRef90_V4BLU2 UniRef90_R9XCK8 UniRef90_F1KRD1 UniRef90_Q4SR65 UniRef90_M5GFM6 UniRef90_T1G5Y2 UniRef90_M3ZT25 UniRef90_G7E2E9 UniRef90_Q6FNH4 UniRef90_J7S6F4 UniRef90_T1I0G8 UniRef90_Q6FVE9 UniRef90_UPI0003AEB995 UniRef90_W5MPB0 UniRef90_UPI000359FFCA UniRef90_S2IYR1 UniRef90_C0SEQ3 UniRef90_R7UGR3 UniRef90_UPI0003ACBF5B UniRef90_UPI0003ABB2F5 UniRef90_E0VRA1 UniRef90_P07799 UniRef90_K0KLD2 UniRef90_L7N3P9 UniRef90_UPI000455D9DB UniRef90_UPI0003EAE2F6 UniRef90_G3ATV1 UniRef90_K5XCG1 UniRef90_S4RKW4 UniRef90_A0A024JLF6 UniRef90_T2MH26 UniRef90_Q0UUB0 UniRef90_UPI00044075D0 UniRef90_V9KMZ1 UniRef90_R7YJY6 UniRef90_B7Q9Y0 UniRef90_G3PKT3 UniRef90_UPI0004416C1C UniRef90_W4ZE35 UniRef90_Q6BLX2 UniRef90_E3KJL6 UniRef90_S7MGF5 UniRef90_C4XZS7 UniRef90_K2SIS5 UniRef90_V2XTI4 UniRef90_A9V5T5 UniRef90_E5SUA5 UniRef90_G0VE00 UniRef90_G8BYC4 UniRef90_B2DDA7 UniRef90_A3LXC2 UniRef90_D5GUC5 UniRef90_T1J4Y8 UniRef90_C4R3Z3 UniRef90_U1G8C0 UniRef90_G4MR71 UniRef90_P41512 UniRef90_G3J934 UniRef90_I4Y6D9 UniRef90_U6HQ28 UniRef90_U4LS70 UniRef90_H1UW96 UniRef90_G3B1F3 UniRef90_A7TJW1 UniRef90_UPI000441397B UniRef90_W5LQR5 UniRef90_H2KNI9 UniRef90_R4XH22 UniRef90_UPI00026575F8 UniRef90_S7QCY2 UniRef90_T1PEJ1 UniRef90_F7CC85 UniRef90_F4P4H2 UniRef90_B6JVY3 UniRef90_M7XKA4 UniRef90_F4RJG2 UniRef90_K5UX68 UniRef90_A8N6Y9 UniRef90_R8BF31 UniRef90_F0XHG3 UniRef90_S8G2S4 UniRef90_H3EHN8 UniRef90_S9V9Y4 UniRef90_V5IQ16 UniRef90_G0SCM2 UniRef90_W3XLX2 UniRef90_D8QC57 UniRef90_G4TKD6 UniRef90_W6MJD9

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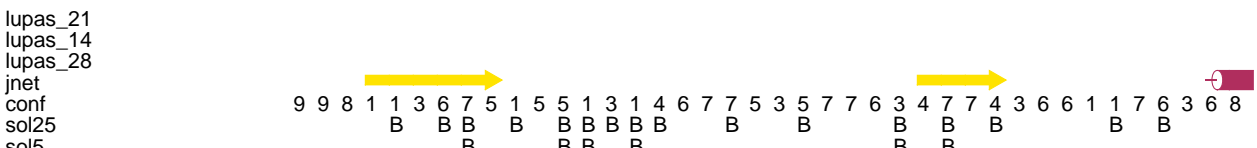
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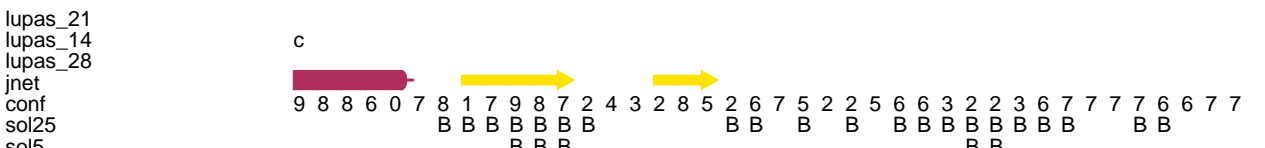
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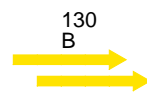


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