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UniRef90_I9CE13	E	S	F	T	L
UniRef90_U3HUY0	D	S	F	D	L
UniRef90_UPI000368262B	D	P	F	R	L
UniRef90_F7QQX3	D	P	F	D	L
UniRef90_I0RL84	D	P	F	D	L
UniRef90_S4Y785	D	P	Y	D	L
UniRef90_N6YH16	D	P	H	D	L
UniRef90_K1Y9G2	D	P	F	D	L
UniRef90_V4J3W8	D	P	H	D	L
UniRef90_I5CPL5	D	K	F	D	L
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UniRef90_E1T107	D	P	Y	N	L
UniRef90_L0J037	D	L	F	D	L
UniRef90_D5P3X8	D	P	Y	D	L
UniRef90_D5WML8	D	P	Y	D	L
UniRef90_I4BJX8	D	P	F	D	L
UniRef90_UPI000375A622	D	P	F	Y	N
UniRef90_X5KXY3	D	P	F	D	L
UniRef90_Q73ZL6	D	P	F	D	L
UniRef90_K6BMC8	D	A	Y	N	L
UniRef90_UPI00037E4F32	D	P	Y	N	L
UniRef90_UPI000361461A	D	P	H	D	L
UniRef90_W8IEB5	D	P	F	V	L
UniRef90_C1F9X7	D	P	Y	R	L
UniRef90_I9X1P2	D	D	F	E	L
UniRef90_K9DD68	D	D	F	N	L
UniRef90_G4I6U5	D	P	F	D	L
UniRef90_W9TEM5	D	R	Y	D	L
UniRef90_A1T9L2	D	P	Y	D	L
UniRef90_UPI000473DE78	D	P	F	C	L
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UniRef90_UPI0002558A33	D	P	H	N	L
UniRef90_A0A024JYU7	D	P	F	D	L
UniRef90_W6WK92	D	F	D	L	M
UniRef90_A4VK29	D	P	F	D	L
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UniRef90_U5W1T5	D	A	Y	N	L
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UniRef90_UPI0004774EA0 R G L G S S G M A V R Y A I S S G R E E A R A Y L L D H S I L G P R R L R E C C C A G V A
UniRef90_UPI000474C379 A G L G T S T M S R Y A I S S L L E E A R A Y L L A H P P V L L G P R R L R E C C C V D I L
UniRef90_U5W1T5 A G L G L S A T A Q R Y A I A G L L A E A R A Y L L A H P P V L L G P R R L V I E S A S L
UniRef90_F2ZN28 E G L G R S S D M A Q R Y A I S S G L E E A R A Y L L Q H P P L L G A R R L R A C C C V D A I
UniRef90_B4R9I4 A G L G S S T M A Q R Y A I S S L L S E A R A Y L L A H P P V L L G P R R L R A C C C V D A I

QUERY	N	Q	V	I	E	G	R	S	L	E	A	F	G	P	D	D	L	K	L	R	S	S	M	T	L	F	A	R	A	T	D	A	N	D	S	D	F	V	A	L	V	
UniRef90_A3Q0A2	L	A	I	E	G	R	S	L	E	A	F	G	P	D	D	L	K	L	R	S	S	M	T	L	F	A	R	A	T	D	A	N	D	S	D	F	V	A	L	V		
UniRef90_E8N1E6	L	A	L	H	P	D	R	S	A	N	E	I	F	G	P	D	D	M	K	F	R	S	S	M	T	L	F	A	L	V	S	E	K	P	P	F	F	H	Q	V		
UniRef90_L0NHM7	L	D	H	P	D	R	S	A	N	E	I	F	G	P	D	D	M	K	F	R	S	S	M	T	L	F	A	L	V	S	E	K	P	P	F	F	H	Q	V			
UniRef90_U1N4J0	N	G	I	E	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	V	A	S	E	K	P	P	F	F	K	L	A			
UniRef90_I9CE13	N	G	I	E	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	V	A	S	E	K	P	P	F	F	K	L	A			
UniRef90_U3HUY0	F	S	H	V	T	A	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	V	A	S	E	K	P	P	F	F	K	L	A		
UniRef90_UPI000368262B	N	A	I	E	G	R	S	A	H	A	I	F	G	P	D	D	M	K	F	R	S	S	M	T	L	F	A	R	A	S	D	N	D	F	V	A	L	V				
UniRef90_F7QQX3	N	A	I	E	G	R	S	A	H	A	I	F	G	P	D	D	M	K	F	R	S	S	M	T	L	F	A	R	A	S	D	N	D	F	V	A	L	V				
UniRef90_I0RL84	N	A	I	E	G	R	S	A	H	A	I	F	G	P	D	D	M	K	F	R	S	S	M	T	L	F	A	R	A	S	D	N	D	F	V	A	L	V				
UniRef90_S4Y785	N	Q	I	E	G	R	S	A	H	A	I	F	G	P	D	D	M	K	F	R	S	S	M	T	L	F	A	R	A	S	D	N	D	F	V	A	L	V				
UniRef90_N6YH16	L	A	L	H	P	D	R	S	A	N	E	I	F	G	P	D	D	M	K	F	R	S	S	M	T	L	F	A	L	V	S	E	K	P	P	F	F	H	Q	V		
UniRef90_K1Y9G2	L	A	I	E	G	R	S	A	H	A	I	F	G	P	D	D	M	K	F	R	S	S	M	T	L	F	A	V	A	S	E	K	P	P	F	F	H	Q	V			
UniRef90_V4J3W8	T	A	V	E	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	V	A	S	E	K	P	P	F	F	H	Q	V			
UniRef90_I5CPL5	N	E	V	E	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	V	A	S	E	K	P	P	F	F	H	Q	V			
UniRef90_UPI0004793B0F	T	G	L	E	G	G	T	D	P	V	A	V	F	G	G	I	D	A	Q	K	F	R	S	S	M	T	L	F	A	A	A	P	D	E	P	V	F	T	G	D	A	
UniRef90_E1T107	N	G	I	E	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	R	A	S	D	N	D	F	V	A	L	V				
UniRef90_L0J037	A	A	I	E	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	R	A	S	D	N	D	F	V	A	L	V				
UniRef90_D5P3X8	N	E	V	E	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	V	A	S	E	K	P	P	F	F	H	Q	V			
UniRef90_D5WML8	N	L	V	S	D	R	S	L	E	E	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	R	A	S	D	N	D	F	V	A	L	V				
UniRef90_I4BJX8	L	T	H	R	G	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	R	A	S	D	N	D	F	V	A	L	V			
UniRef90_UPI000375A622	L	Q	V	E	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	A	V	A	S	E	K	P	P	F	F	H	Q	V		
UniRef90_X5KXY3	S	E	I	D	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	A	V	A	S	E	K	P	P	F	F	H	Q	V		
UniRef90_Q73ZL6	E	R	V	Q	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	R	A	S	D	N	D	F	V	A	L	V				
UniRef90_K6BMC8	A	P	Q	V	E	R	T	A	R	Q	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	R	A	S	D	N	D	F	V	A	L	V				
UniRef90_UPI00037E4F32	L	S	I	D	D	Y	S	A	F	D	I	L	G	S	P	D	D	M	K	F	R	S	S	M	T	L	F	A	V	V	S	E	K	P	P	F	F	H	Q	V		
UniRef90_UPI000361461A	N	G	L	D	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	R	A	S	D	N	D	F	V	A	L	V				
UniRef90_W8IEB5	N	G	L	D	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	R	A	S	D	N	D	F	V	A	L	V				
UniRef90_C1F9X7	M	D	I	Q	G	K	R	V	E	E	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	Q	A	P	E	E	V	I	F	Q	R	M	A			
UniRef90_I9X1P2	N	A	V	T	G	R	T	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	L	A	P	D	E	G	A	G	F	Q	R	A			
UniRef90_K9DD68	A	A	L	T	D	T	S	I	D	G	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	R	A	T	D	D	N	A	D	F	V	A	L	V		
UniRef90_G4I6U5	A	A	L	T	D	T	S	I	D	G	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	R	A	T	D	D	N	A	D	F	V	A	L	V		
UniRef90_W9TEM5	L	E	H	R	G	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	R	A	S	D	N	D	F	V	A	L	V			
UniRef90_A1T9L2	M	T	H	R	G	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	R	A	S	D	N	D	F	V	A	L	V			
UniRef90_UPI000473DE78	I	A	V	E	G	K	S	A	A	T	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	A	A	P	E	E	S	A	F	P	R	A	V			
UniRef90_W0H895	A	P	Q	V	E	R	T	A	R	Q	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	A	A	P	E	E	S	A	F	P	R	A	V			
UniRef90_UPI0002558A33	L	A	V	Q	G	R	S	A	H	A	I	F	G	P	D	D	M	K	F	R	S	S	M	T	L	F	A	L	I	D	G	R	E	S	Q	F	K	Q	V			
UniRef90_A0A024JYU7	N	Q	V	R	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	L	A	T	D	D	H	Q	D	F	I	T	L			
UniRef90_W6WK92	L	S	H	P	G	L	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	L	A	T	D	D	H	Q	D	F	I	T	L			
UniRef90_A4VK29	L	S	H	P	G	L	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	L	A	T	D	D	H	Q	D	F	I	T	L			
UniRef90_UPI0003B4B76D	L	S	V	K	G	C	T	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	A	V	S	D	Q	G	S	L	F	H	E	A			
UniRef90_A0QY92	A	Q	L	E	G	R	T	A	E	E	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	T	E	V	A	E	D	D	T	A	E	F	V	A	V	
UniRef90_W8R9J7	L	E	H	A	R	G	P	T	A	R	R	E	I	F	G	P	D	D	M	K	F	R	S	S	M	T	L	F	A	T	V	A	P	E	R	T	V	F	Q	K	V	
UniRef90_C6LBJ2	L	E	T	E	S	S	D	A	Q	E	V	M	G	W	P	D	N	L	K	L	K	S	S	M	T	L	F	A	L	A	K	P	E	C	E	V	F	Q	K	V		
UniRef90_UPI000476BF66	L	T	I	E	G	K	T	A	N	Q	L	F	G	S	P	D	D	M	K	F	R	S	S	M	T	L	F	S	R	A	V	E	P	T	A	N	P	V	G	F	R	A
UniRef90_B0UEE5	T	A	L	T	G	C	T	A	N	Q	L	F	G	S	P	D	D	M	K	F	R	S	S	M	T	L	F	S	R	A	V	E	P	T	A	N	P	V	G	F	R	A
UniRef90_A0A023WUJ8	L	E	H	R	D	G	S	A	R	Q	I	L	G	S	P	D	D	L	K	F	R	S	S	M	T	L	F	A	A	T	A	P	E	P	T	L	F	E	Q	L		
UniRef90_UPI00016C4283	L	G	V	A	G	K	S	A	L	E	I	F	G	P	D	D	A	K	L	K	S	S	M	T	L	F	A	H	I	S	E	P	D	D	G	S	I	F	E	R	V	
UniRef90_UPI00037D5CD4	L	A	I	E	E	R	S	A	L	E	I	F	G	P	D	D	N	K	K	L	K	S	S	M	T	L	F	A	Q	L	S	E	P	D	D	G	S	I	F	E	R	V
UniRef90_H8Z3W6	L	G	L	E	N	R	S	A	Q	E	I	F	G	P	D	D	M	K	F	R	S	S	M	T	L	F	A	Y	V	S	P	P	G	S	V	F	E	Q	L			
UniRef90_H0TP69	V	E	V	S	G	K	S	A	H	A	I	F	G	P	D	D	M	K	F	R	S	S	M	T	L	F	A	D	A	V	S	D	G	Q	P	V	F	A	Q	A		
UniRef90_C8XE30	L	A	T	D	A	R	P	E	S	I	V	L	G	S	P	D	D	L	K	F	R	S	S	M	T	L	F	A	R	A	D	P	G	E	P	V	F	S	Q	A		
UniRef90_Q220R1	L	A	V	G	N	K	S	I	Y	D	V	F	G	S	P	D	D	L	K	F	R	S	S	M	T	L	F	A	Q	V	A	P	D	E	P	V	F	S	Q	A		
UniRef90_W7WTC4	S	H	H	V	I	G	Q	S	A	E	S	I	L	G	S	P	D	D	L	K	F	R	S	S	M	T	L	F	E	A	V	S	P	E	T	P	E	F	S	A	A	
UniRef90_F4DUT1	L	S	H	R	G	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T	L	F	A	Q	A	V	S	P	E	T	P	E	F	S	A	A		
UniRef90_UPI0004044279	N	S	V	E	G	R	S	A	H	A	I	F	G	P	D	D	M	K	F	R	S	S	M	T	L	F	A	S	V	A	D	D	D	L	V	F	Q	Q	A			
UniRef90_J3EX66	L	N	I	K	Q	R	S	A	H	A	I	F	G	P	D	D	L	K	F	R	S	S	M	T</																		

QUERY	L	A	K	Y	Y	G	G	E	D	R	R	T	V	A	L	L	A	V	T	
UniRef90_A3Q0A2	L	D	K	F	Y	G	G	E	P	D	P	A	T	V	S	R	L	L		
UniRef90_E8N1E6	L	E	K	Y	F	E	G	Q	M	D	E	K	T	L	I	L	M	N	K	S
UniRef90_L0NHM7	L	H	S	F	Y	D	G	E	E	D	P	L	T	L	A	R	L			
UniRef90_U1N4J0	L	K	K	Y	Y	D	G	Q	E	D	P	K	T	I	Q	F	L	S		
UniRef90_I9CE13	L	A	R	Y	F	D	G	Q	E	D	P	L	T	L	A	K	L	G	A	
UniRef90_U3HUY0	L	D	A	F	Y	G	G	K	P	D	E	A	T	L	S	R	L			
UniRef90_UPI000368262B	I	D	R	Y	F	D	G	E	A	D	Q	R	T	L	D	I	V	A	Q	S
UniRef90_F7QQX3	L	D	K	Y	Y	G	G	A	F	D	A	A	T	L	A	R	L			
UniRef90_I0RL84	L	D	K	Y	Y	G	G	E	E	D	P	L	T	L	A	R	L			
UniRef90_S4Y785	L	E	K	Y	Y	G	G	E	L	D	P	R	T	L	A	L	L			
UniRef90_N6YH16	L	A	R	Y	Y	D	G	E	A	D	A	R	T	L	Q	G	L	G		
UniRef90_K1Y9G2	L	D	K	F	F	S	G	R	R	D	Q	K	T	L	H	F	L	A	T	
UniRef90_V4J3W8	L	Q	R	Y	Y	G	G	E	P	D	P	K	T	L	E	I	L			
UniRef90_I5CPL5	L	A	R	Y	F	G	G	K	P	D	E	R	T	L	E	L	L			
UniRef90_UPI0004793B0F	L	D	Q	Y	F	G	G	T	G	D	P	A	T	T	S	R	L	G	A	
UniRef90_E1T107	L	R	K	Y	Y	D	D	Q	P	D	P	Q	T	I	A	R	L			
UniRef90_L0J037	L	D	K	F	Y	D	G	E	E	D	P	A	T	V	E	L	L	N	T	
UniRef90_D5P3X8	L	D	K	Y	Y	D	G	R	Q	D	L	T	L	E	R	L	G	R	A	
UniRef90_D5WML8	L	R	K	Y	F	G	G	E	A	D	P	R	T	L	Q	L	L			
UniRef90_I4BJX8	L	D	A	F	Y	D	G	Q	Q	D	G	A	T	L	D	L	L	G		
UniRef90_UPI000375A622	L	D	K	Y	Y	D	G	Q	E	D	P	K	T	V	L	Q	L	L	N	
UniRef90_X5KXY3	L	D	R	L	Y	D	G	H	A	D	P	R	T	L	E	L	L	S		
UniRef90_Q73ZL6	L	Q	K	Y	Y	D	G	R	Q	D	P	V	T	L	A	R	L	A	D	S
UniRef90_K6BMC8	L	D	T	F	F	D	G	E	P	D	A	M	T	V	K	L	A	G		
UniRef90_UPI00037E4F32	L	D	R	F	Y	Q	G	E	K	D	R	Q	T	L	D	L	L	G	I	S
UniRef90_UPI000361461A	L	V	R	Y	Y	D	G	E	D	Q	K	T	L	D	L	L	D	D	S	
UniRef90_W8IEB5	L	S	F	Y	F	A	G	E	E	D	R	R	T	L	D	L	L	G		
UniRef90_C1F9X7	L	E	R	F	F	D	G	R	E	P	D	E	R	T	L	S	L	L	G	
UniRef90_I9X1P2	L	E	R	Y	Y	G	G	G	Q	D	P	R	T	L	A	L	L	A	L	N
UniRef90_K9DD68	I	D	K	Y	F	D	G	E	A	D	P	E	T	L	A	R				
UniRef90_G4I6U5	L	D	T	F	Y	G	G	E	P	D	A	R	T	L	E	L	L			
UniRef90_W9TEM5	L	Q	A	F	F	E	G	R	P	D	P	A	S	L	A	L	L	G		
UniRef90_A1T9L2	L	D	A	F	Y	D	G	E	D	P	A	T	V	L	D	L	L			
UniRef90_UPI000473DE78	L	E	K	Y	F	D	G	E	K	D	L	R	T	L	A	L	L	A	Q	T
UniRef90_W0H895	L	D	T	F	F	D	G	E	P	D	A	M	T	I	E	K	L	Q	A	
UniRef90_UPI0002558A33	L	E	R	Y	Y	S	G	E	L	D	S	A	T	L	K	L	I			
UniRef90_A0A024JYU7	L	D	N	Y	Y	G	G	E	Q	D	A	L	T	L	A	Q	L			
UniRef90_W6WK92	L	E	Q	F	F	D	G	E	R	D	E	K	T	V	A	L	L			
UniRef90_A4VK29	L	Q	A	F	F	D	G	Q	P	D	R	A	T	L	E	R	L			
UniRef90_UPI0003B4B76D	I	D	R	F	Y	G	G	K	F	D	E	R	T	I	E	I	L	N	A	A
UniRef90_A0QY92	L	D	R	L	Y	G	G	T	P	D	P	A	T	L	G	L	L	G		
UniRef90_W8R9J7	L	D	A	F	Y	A	A	R	P	D	T	A	T	L	S	R	L			
UniRef90_C6LBJ2	L	D	K	F	F	H	G	E	P	D	Q	K	T	V	E	I	L	H	D	S
UniRef90_UPI000476BF66	L	D	R	Y	Y	G	G	N	P	D	Q	R	T	L	A	L	L			
UniRef90_B0UEE5	L	D	L	Y	Y	G	G	R	E	D	P	R	T	L	E	R	L	G	L	
UniRef90_A0A023WUJ8	L	Q	V	F	F	D	G	Q	P	D	A	A	S	V	E	R	L	G		
UniRef90_UPI00016C4283	L	E	R	F	F	G	G	E	R	D	E	K	T	L	R	L	L	G		
UniRef90_UPI00037D5CD4	L	N	K	F	F	E	G	D	C	D	P	Q	T	L	N	L	L	K	A	S
UniRef90_H8Z3W6	L	D	Q	Y	Y	Q	G	E	R	D	G	K	T	I	S	L	L	E	Q	S
UniRef90_H0TP69	L	D	K	Y	Y	E	G	E	K	D	Q	A	T	L	D	I	L	G		
UniRef90_C8XE30	L	D	R	F	Y	A	G	R	P	D	P	A	T	E	E	L	L	S		
UniRef90_Q220R1	L	A	R	F	F	G	G	A	P	D	E	R	T	L	A	L	L			
UniRef90_W7WTC4	L	R	Q	F	Y	G	G	T	R	C	P	K	T	L	A	L	L	A		
UniRef90_F4DUT1	L	Q	G	F	Y	D	G	E	A	D	P	A	T	L	Q	R	L			
UniRef90_UPI0004044279	L	R	K	F	F	G	G	D	L	D	K	R	T	L	E	G	L			
UniRef90_J3EX66	L	A	Q	Y	F	H	G	L	P	D	A	W	T	L	S	L	L	D	L	
UniRef90_UPI00036F6913	L	D	R	Y	Y	D	G	T	R	D	P	R	T	T	E	I	L	G	R	T
UniRef90_I3YD37	L	D	R	Y	F	D	G	Q	P	D	P	R	T	A	C	R	L	G		
UniRef90_UPI00038239EA	L	D	A	F	Y	A	G	E	R	D	R	K	T	L	E	L	L	A	K	T
UniRef90_J2APZ7	I	D	H	F	Y	D	G	K	F	D	E	R	T	I	S	L	L	S	A	
UniRef90_UPI00029A400D	L	T	Q	F	Y	D	G	K	T	D	T	R	T	L	A	L	L	G		
UniRef90_V8CWE1	L	H	K	Y	F	G	G	E	P	D	T	R	T	L	E	L	L	G		
UniRef90_UPI000360B097	L	D	R	Y	Y	N	G	K	S	D	A	H	T	L	E	L	L	G	L	N
UniRef90_A0A024H234	L	A	Q	F	F	D	G	Q	P	D	P	A	T	D	D	L	L	A		
UniRef90_K0VCW1	L	D	K	F	Y	D	G	L	G	D	P	R	T	L	E	M	L	S	A	A
UniRef90_A1VWA1	L	E	H	F	F	D	G	K	P	D	T	M	T	L	S	L	L			
UniRef90_A0JWM6	L	D	R	Y	F	D	G	T	P	D	P	A	T	D	R	L	L	G		
UniRef90_B1MA51	L	V	G	Y	F	D	G	Q	E	D	P	R	T	L	E	K	L	A	A	
UniRef90_D2QIR7	L	D	K	Y	Y	A	G	V	P	D	P	R	T	L	A	I	L			
UniRef90_B2T4D8	L	R	K	Y	F	H	G	Q	G	D	P	L	T	L	E	R	L			
UniRef90_Q126D7	L	N	R	Y	Y	Q	G	E	P	D	R	Q	T	L	A	L	L	A	A	
UniRef90_F8FYR3	L	V	Q	F	Y	D	G	E	P	D	A	L	T	L	A	M	L			
UniRef90_UPI000429C609	L	D	R	Y	Y	D	G	R	E	D	P	V	T	L	D	R	L	A		
UniRef90_M7Z331	L	A	Q	Y	F	A	G	S	P	D	P	L	T	L	R	K	L	G		
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UniRef90_R4WLL3	L	R	R	Y	F	D	S	R	P	D	D	A	T	L	A	R	L			
UniRef90_G0A9V2	L	Q	K	Y	F	G	G	E	R	D	Q	A	T	L	S	R	L			
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UniRef90_J7QU94	L	R	K	Y	F	D	G	R	R	D	P	L	T	L	A	A	L	S	G	S
UniRef90_UPI00047D6A2E	L	D	H	Y	F	G	G	E	L	D	Q	G	T	T	S	R	L			
UniRef90_A1VN84	L	D	K	Y	F	G	G	K	G	D	A	R	T	L	E	L	L			
UniRef90_G3J0T6	I	D	K	Y	F	N	G	E	Q	D	A	L	T	L	Q	L	L			
UniRef90_UPI0004774EA0	L	M	K	Y	F	A	G	K	A	D	Q	A	T	L	D	R	L	A		
UniRef90_UPI000474C379	L	E	R	Y	F	G	G	A	A	D	M	A	T	V	K	L	L			
UniRef90_U5W1T5	L	D	R	Y	Y	D	G	E	D	D	P	A	T	L	Q	R	L			
UniRef90_F2ZN28	L	D	A	F	F	A	G	E	R	D	K	T	T	E	K	L	L	S		
UniRef90_B4R9I4	L	A	R	Y	F	G	G	E	E	D	P	R	T	L	A	R	L			

	1	10	20	30	40																																											
UniRef90_UPI000237663F		D L	R F	L Q	A Q	E P	V I	W P	R V	I S	E L	R A	G K	K R	T H	W M	W F	V F	P Q	I																												
UniRef90_C4LB90		N L	D R	F V	D A	Q Q	M G	I V	F D	S A	L L	A E	L L	K R	N D	G R	K K	T G	H H	W M	W F	V F	P Q	I																								
UniRef90_UPI00034DCD95	D	V	F	L	N	R	F	V	D	A	Q	Q	D	G	I	V	F	D	S	A	L	L	A	E	L	L	K	R	N	D	G	R	K	K	T	G	H	H	W	M	W	F	V	F	P	Q	I	
UniRef90_M5DI14	D	P	Y	H	L	D	L	Q	R	F	F	V	D	A	Q	Q	W	P	L	Y	F	D	K	R	V	L	A	E	L	L	K	D	G	R	K	Q	S	H	H	W	M	W	F	V	F	P	Q	I
UniRef90_B6JAG5		D	L	Q	R	F	F	V	D	A	Q	Q	W	P	L	Y	F	D	K	R	V	L	A	E	L	L	K	R	A	G	Q	K	R	S	H	H	W	M	W	F	V	F	P	Q	I			
UniRef90_Q1YN99	D	P	N	D	L	Q	R	F	F	V	D	A	Q	Q	W	P	L	Y	F	D	K	R	V	L	A	E	L	L	K	R	A	G	Q	K	R	S	H	H	W	M	W	F	V	F	P	Q	I	
UniRef90_W8EXX3		D	L	Q	R	F	F	V	D	A	Q	Q	R	P	V	Y	F	D	K	R	V	L	A	E	L	L	K	R	A	G	Q	K	R	S	H	H	W	M	W	F	V	F	P	Q	I			
UniRef90_A0A010SPM6	D	P	F	N	L	Q	R	F	F	V	D	A	Q	Q	R	S	V	F	S	R	A	M	D	E	L	L	R	A	G	R	K	T	S	H	H	W	M	W	F	V	F	P	Q	I				
UniRef90_I3ZMS6	D	Q	Y	G	L	Q	R	F	F	V	D	A	Q	Q	R	S	V	F	S	R	A	M	D	E	L	L	R	A	G	Q	K	R	S	H	H	W	M	W	F	V	F	P	Q	I				
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UniRef90_U4QFA6		L	K	R	F	F	V	D	A	Q	Q	N	I	Y	E	V	A	L	S	E	L	L	Q	A	G	Q	K	R	S	H	H	W	M	W	F	V	F	P	Q	I								
UniRef90_I2GIB4		L	K	R	F	F	V	D	A	Q	Q	N	I	Y	E	V	A	L	S	E	L	L	Q	A	G	Q	K	R	S	H	H	W	M	W	F	V	F	P	Q	I								
UniRef90_G8RTH3	D	P	F	D	L	R	R	F	V	D	A	Q	Q	R	V	Y	S	S	V	L	S	E	L	M	K	N	D	G	R	K	R	S	H	H	W	M	W	F	V	F	P	Q	I					
UniRef90_D5VN20		D	L	S	R	F	F	V	D	A	Q	Q	A	T	T	Y	Q	T	A	L	S	E	L	L	R	R	G	R	K	E	S	H	H	W	M	W	F	V	F	P	Q	I						
UniRef90_UPI000380C382		Y	D	L	D	R	F	F	V	H	A	Q	Q	A	T	T	Y	Q	T	A	L	S	E	L	L	R	R	G	R	K	E	S	H	H	W	M	W	F	V	F	P	Q	I					
UniRef90_K0UUL9	D	P	Y	D	L	D	R	F	F	V	H	A	Q	Q	A	T	T	Y	Q	T	A	L	S	E	L	L	R	R	G	R	K	E	S	H	H	W	M	W	F	V	F	P	Q	I				
UniRef90_W1JL5	D	P	F	D	L	D	R	F	F	V	R	A	Q	Q	D	P	V	Y	R	D	V	Q	D	E	L	L	A	R	G	R	K	Q	T	H	H	W	M	W	F	V	F	P	Q	I				
UniRef90_W9GVR7		H	N	L	D	R	F	F	V	D	A	Q	Q	S	P	V	Y	F	A	E	V	R	Q	E	L	L	E	S	G	R	K	S	S	H	H	W	M	W	F	V	F	P	Q	I				
UniRef90_R6CEQ9	D	K	Y	N	L	Q	R	F	F	V	D	A	Q	Q	S	P	V	Y	F	A	E	V	R	Q	E	L	L	E	S	G	R	K	S	S	H	H	W	M	W	F	V	F	P	Q	I			
UniRef90_N2JPL9	D	R	H	D	L	Q	R	F	F	V	S	A	Q	Q	E	T	V	W	Q	Q	V	I	A	E	L	L	R	S	G	H	K	R	T	H	H	W	M	W	F	V	F	P	Q	I				
UniRef90_UPI00047BCA02	D	L	F	N	L	Q	R	F	F	V	D	A	Q	Q	S	P	V	Y	F	A	E	V	R	Q	E	L	L	R	A	G	E	K	T	H	H	W	M	W	F	V	F	P	Q	I				
UniRef90_UPI0003B709F1		N	L	A	R	F	I	D	A	Q	Q	A	N	Y	K	D	A	L	A	E	L	L	K	N	G	R	K	Q	T	H	H	W	M	W	F	V	F	P	Q	I								
UniRef90_Q3K9T3	D	P	F	N	L	Q	R	F	F	V	L	A	Q	Q	D	P	V	F	E	R	V	Q	R	E	L	L	D	E	G	R	K	R	S	H	H	W	M	W	F	V	F	P	Q	I				
UniRef90_I7AF76		D	L	Q	R	F	F	V	D	A	Q	Q	H	P	L	Y	A	R	A	L	S	E	L	L	Q	A	G	Y	K	Q	R	S	H	H	W	M	W	F	V	F	P	Q	I					
UniRef90_J2TJF0	D	V	F	L	D	L	Q	R	F	F	V	R	A	Q	Q	V	F	F	E	R	V	K	N	E	L	L	V	A	G	R	K	R	S	H	H	W	M	W	F	V	F	P	Q	I				
UniRef90_UPI0004762FA9	D	N	Y	K	L	T	R	F	F	V	L	E	A	Q	Q	N	Q	T	Y	L	K	A	L	S	E	L	L	K	K	G	Q	K	Q	G	H	H	W	M	W	F	V	F	P	Q	I			
UniRef90_UPI00036919BD	E	F	D	L	G	R	F	F	V	D	A	Q	Q	N	Q	T	Y	S	D	Q	A	L	S	E	L	L	Q	V	G	R	K	R	S	G	H	H	W	M	W	F	V	F	P	Q	I			
UniRef90_Q1QLV9		F	N	L	Q	R	F	F	V	D	A	Q	Q	A	P	V	Y	S	L	V	V	E	L	L	R	G	G	R	K	R	S	H	H	W	M	W	F	V	F	P	Q	I						
UniRef90_HOQKP8	D	P	H	N	L	Q	R	F	F	V	L	A	Q	Q	N	A	T	Y	A	Q	A	L	E	L	L	R	A	G	S	K	R	G	H	H	W	M	W	F	V	F	P	Q	I					
UniRef90_UPI0003B68D87		Y	D	L	E	R	F	F	V	L	A	Q	Q	A	G	V	H	E	R	A	E	A	E	L	L	R	A	G	E	K	R	S	H	H	W	M	W	F	V	F	P	Q	I					
UniRef90_K9XVD4	D	P	F	D	L	N	R	F	F	V	L	A	Q	Q	N	Q	T	Y	F	D	R	V	L	A	E	L	L	K	N	G	R	K	R	S	H	H	W	M	W	F	V	F	P	Q	I			
UniRef90_D3FB22	D	P	F	G	L	Q	R	F	F	V	D	A	Q	Q	D	G	T	Y	G	R	A	L	A	E	L	L	R	A	G	R	K	T	S	H	H	W	M	W	F	V	F	P	Q	I				
UniRef90_UPI00037839F4	D	P	R	E	L	Q	R	F	F	V	D	A	Q	Q	D	P	V	Y	H	T	A	R	A	L	A	E	L	L	R	A	G	A	K	T	S	H	H	W	M	W	F	V	F	P	Q	I		
UniRef90_W1KHV4	P	Y	D	L	E	R	F	F	V	S	A	Q	Q	T	P	V	Y	A	R	A	L	A	E	L	L	T	R	A	G	A	K	T	S	H	H	W	M	W	F	V	F	P	Q	I				
UniRef90_UPI00047D3130	D	P	F	D	L	Q	R	F	F	V	T	A	Q	Q	A	P	V	W	D	Q	V	C	G	E	L	L	R	A	G	R	K	T	S	H	H	W	M	W	F	V	F	P	Q	I				
UniRef90_S6H8L0	D	F	Y	N	L	Q	R	F	F	V	A	A	Q	Q	G	P	N	F	S	T	K	V	L	A	E	L	L	R	N	G	R	K	R	S	H	H	W	M	W	F	V	F	P	Q	I			
UniRef90_E6TL79		D	L	E	R	F	F	V	D	A	Q	Q	D	G	V	Y	S	T	V	L	A	E	L	L	R	A	G	A	K	R	S	H	H	W	M	W	F	V	F	P	Q	I						
UniRef90_UPI00024839D9	D	P	F	D	L	A	R	F	F	V	V	A	Q	Q	R	D	S	F	D	L	A	L	S	E	L	L	K	S	G	R	K	L	S	H	H	W	M	W	F	V	F	P	Q	I				
UniRef90_D7A325	D	P	Y	D	L	K	R	F	F	V	S	A	Q	Q	T	V	F	D	T	A	V	A	E	L	L	R	A	G	R	K	R	S	H	H	W	M	W	F	V	F	P	Q	I					
UniRef90_H7EVN7	P	H	D	L	Q	R	F	F	V	L	D	A	Q	Q	T	Q	Y	Q	T	A	L	A	E	L	L	H	E	A	G	R	K	R	S	H	H	W	M	W	F	V	F	P	Q	I				
UniRef90_R5D3B9		H	D	L	N	R	F	F	V	S	A	Q	Q	E	R	S	Y	D	A	A	L	L	R	E	L	L	K	S	G	H	K	A	T	H	H	W	M	W	F	V	F	P	Q	I				
UniRef90_G7ZAW2	D	P	N	D	L	R	R	F	F	V	S	A	Q	Q	E	P	V	F	A	T	A	L	L	D	E	L	L	R	S	G	R	K	R	S	H	H	W	M	W	F	V	F	P	Q	I			
UniRef90_UPI0003604103		E	S	N	L	K	R	F	F	V	T	D	A	Q	Q	A	D	Y	D	J	A	L	L	E	L	L	R	N	G	R	K	Q	S	H	H	W	M	W	F	V	F	P	Q	I				
UniRef90_G8S6S1		D	L	E	R	F	F	V	R	A	Q	Q	D	G	V	Y	E	R	A	R	D	E	L	L	A	A	G	R	K	R	T	H	H	W	M	W	F	V	F	P	Q	I						
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UniRef90_A9I5A6	D	P	F	N	L	Q	R	F	F	V	D	A	Q	Q	T	S	Y	A	E	V	L	D	E	L	L	R	A	R	G	R	K	T	H	H	W	M	W	F	V	F	P	Q	I					
UniRef90_R7GSR8	D	T	Y	D	L	S	R	F	F	V	L	A	A	Q	D	S	Y	K	T	A	L	E	L	L	L	R	N	G	R	K	R	S	H	H	W	M	W	F	V	F	P	Q	I					
UniRef90_I8WRN5		Y	N	L	R	R	F	F	V	D	A	Q	Q	H	R	I	Y	G	S	A	L	T	E	L	L	R	S	G	K	K	Q	S	H	H	W	M	W	F	V	F	P	Q	I					
UniRef90_H5UVP5		D	L	E	R	F	F	V	D	A	Q	Q	D	G	T	Y	D	T	A	L	A	E	L	L	R	R	R	G	H	K	R	S	H	H	W	M	W	F	V	F	P	Q	I					
UniRef90_B0BIK0	D	P	Y	N	L	Q	R	F	F	V	T	A	Q	Q	A	D	T	Y	E	S	A	L	A	E	L	L	R	A	G	R	K	E	P	H	W	M	W	F	V	F	P	Q	I					
UniRef90_H0JBP1		H	D	L	Q	R	F	F	V	L	D	A	Q	Q	A	D	T	Y	V	T	A	L	A	E	L	L	R	A	G	R	K	R	S	H	H	W	M</											

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L S L E S D D A T Y V I M G Y P D D D L K L R S S S M T L F F D E V S D I T D P V F K K V
L A A P A R S V D E L I F F G G V D A M K L R S S S M T L F F A E A T D P R V F R A V
L E L E C D A N K I F F G F P D D M K L K S S M T L F F S E A C P E V D V F Q K V
L K L D H T D P K N I F F G S P D D Y L K L H S S M T L F F S L A S D G N N L F D M V
L L H D N M D P K R V I M G S I D A V K L K S S M T L F F D V V C P D N N D I F F E E V
L E S G E A S P H R L F G S P D D D Q K F R S S S L T L F F R E A N A A N P L F D E A
A D L S A E T D I H I F F G S P D D M K F H S S M T L F F S K R A S E H N P L F Q V L
N E S A R S I E G I F S E V D A E K F H A S M T L F F S S V A P D N P V F A D A
L Q T G K S A E S V F F G M L D A M K V R S S C C M T L F F Y E A T K E D A L F M Q V
L A H R D R S L M E I F F G P D D M K F R S S M T L F F A A D P E G A A Q V F R E A
L S H K D R S A Q E I L L G E T D A K K L R S S M T L F F T S V S D A Q O V F N A V
N G V R G R S A L E I F F G R P D D F K F R S S S M T L F F E A A A P E A D A F A R A
L K L N I A N D P V I E I F F G T I D A I K L K S S M T L F F D Y A V S D D D I F S Q V
L Q H A G T P V E Q I L L G G I D A Q K L Q S C C M T L F F D A V S P D D D I F S Q V
I E H K E E D I H S I M G G I D A Q K L L R S S M T L F F E S A A G D D D V F G E I
L A L G A T D L H A L F F G S P D D M K F L S S M S L F F A L A S P T D T P F H Q A
L N T D K S A E N I F F G T I D A M K V R S S C C M T L F F N Q V A T D D L F R R V
L D L E T D D P I S E I F F G S T D S K K L K S S M T L F F E L V S D N E V F S L V
L D S D Q S V L S I F F G S P D D A L K F S S C C M T L F F A A I T D E N S V F A K A
L T H T S Q F P P D D L K L R S S S M T L F F A E V A E D P T L F S S V
Q A L P G N S A A G V F F G E V D A V K L L R S S S L T L F F E S A C G G D L F S A A
L S H A D K G A D A I L L G N T D A K K L R S S M T L F F A A V P D A P R Q F S T I
L D L P G D D P A V I L L G P I D A L K V R S S C C M T L F F E L V S D A P E F P A V
L Q H K G T D P A Q I L L G D I D A K K L R S S S M T L F F A A V P G A P A D F R Q V
L G W S G R N A E A I L L G A V D A M K L R S S S M T V F E R A A R G E G L F A Q V
Q D L D H G S A E A V F G G I D A L K L R S S S L T L F F A F A A G N K Y V F E Q L
Q L H P D K S A L D I F F G S P D N L K L Q S S L T L F F A F A A G N K Y V F E Q L
L E I P S N N P W S V F G Q T D A R K V L R S S C C M T L F F R Q A A P D D D L F S R V
V G L E T S D A T H V F F G S P D D V K L H S S M T L F F K A A C P D D D L F Q K V
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UniRef90_R6X6X4	L	D T F F D G K R D G	R T L G M L
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UniRef90_V9VXE4	L	D A F Y G G Q P C	P L T K A A L T R T
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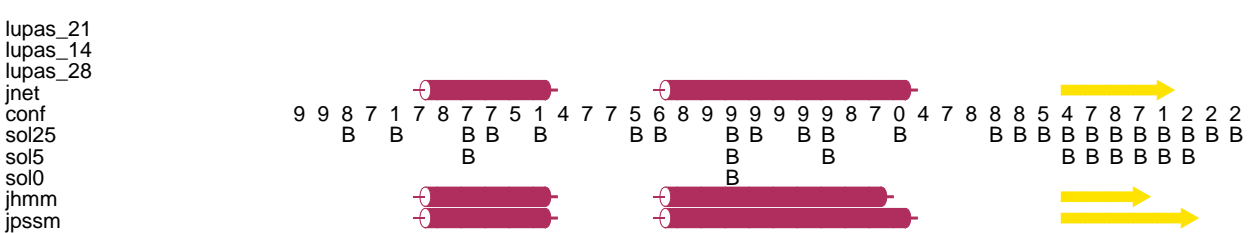
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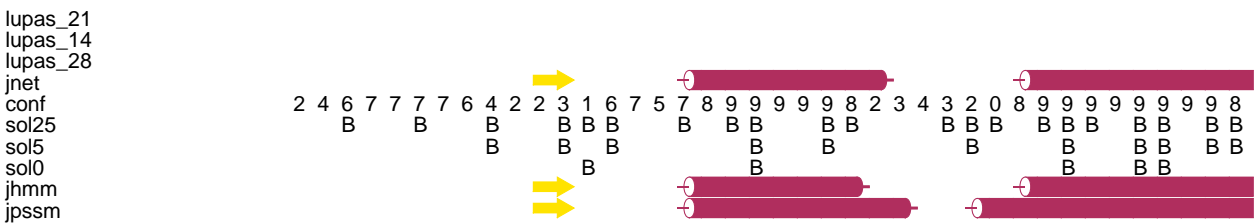
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