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QUERY	P	H	Q	V	F	T	W	T	Q	M	C	D	I	K	D	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	G	P	N	Q	A	H	G	L	C	F	S	S	V	V	Q	Q	80			
UniRef90_UPI0003B48758	A	D	D	I	F	N	A	L	H	L	T	P	L	K	D	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	G	P	N	Q	A	H	G	L	C	F	S	S	V	V	Q	Q	80			
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UniRef90_U4WV33	K	Y	D	I	F	N	A	L	H	H	K	T	P	L	K	D	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	N	P	G	Q	A	H	H	G	L	C	F	S	S	V	V	Q	Q	80
UniRef90_V9KQY3	P	D	L	V	F	S	W	T	Q	L	C	D	I	K	D	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	G	P	N	Q	A	H	H	G	L	C	F	S	S	V	V	Q	Q	80	
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UniRef90_R7I6U1	A	E	D	I	F	N	A	F	H	L	T	P	L	S	N	K	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	N	A	N	Q	A	H	H	G	L	C	F	S	S	V	V	K	K	80
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UniRef90_R6UQW3	M	Y	D	I	F	N	A	L	R	Y	T	A	Y	Q	D	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	G	P	G	Q	A	H	H	G	L	C	F	S	S	V	V	K	K	80	
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UniRef90_R2SKN8	M	Y	N	I	Y	S	A	L	E	L	T	P	L	Y	E	E	T	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	G	P	N	Q	A	H	H	G	L	C	F	S	S	V	V	Q	Q	80
UniRef90_C2G122	E	D	L	V	L	N	A	F	K	L	T	P	L	D	E	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	N	D	G	Q	A	H	H	G	L	C	F	S	S	V	V	P	P	80	
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UniRef90_UPI0003622623	M	H	D	I	F	N	A	L	H	Y	T	A	Y	R	D	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	G	P	G	Q	A	H	H	G	L	C	F	S	S	V	V	K	K	80	
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UniRef90_H5V6R8	A	K	D	V	F	N	A	F	R	F	T	E	L	G	D	L	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	G	P	N	Q	A	Y	G	L	A	F	S	S	V	V	R	R	80		
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UniRef90_S0NRJ5	M	Y	H	I	F	E	A	L	E	K	T	P	L	Y	E	K	V	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	G	G	A	N	Q	A	H	H	G	L	C	F	S	S	V	V	Q	Q	80
UniRef90_W6U711	G	S	D	I	F	N	A	L	D	H	T	P	L	F	D	K	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	G	Q	G	Q	A	H	H	G	L	C	F	S	S	V	V	Q	Q	80
UniRef90_V6M2L2	M	Y	D	I	F	N	A	L	H	L	T	S	Y	E	Q	A	R	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	G	P	G	Q	A	H	H	G	L	C	F	S	S	V	V	K	K	80	
UniRef90_A7GVE5	A	N	D	I	F	N	A	L	H	Y	T	S	Y	E	D	T	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	G	P	N	Q	A	H	H	G	L	C	F	S	S	V	V	Q	Q	80	
UniRef90_C4GAD5	S	E	E	I	F	N	A	F	H	L	T	P	L	S	K	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	E	P	G	Q	A	Q	G	L	C	F	S	S	V	V	R	R	80		
UniRef90_A6VAM7	G	P	L	I	F	N	A	F	N	T	T	P	L	E	N	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	G	P	G	Q	A	H	H	G	L	C	F	S	S	V	V	Q	Q	80	
UniRef90_UPI0003B31A03	N	S	D	I	F	N	A	F	N	S	T	H	F	E	D	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	G	A	H	G	A	H	G	L	C	F	S	S	V	V	Q	Q	80		
UniRef90_B4X3R8	G	P	D	I	F	N	A	F	N	L	T	P	L	F	E	D	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	G	P	N	Q	A	H	H	G	L	C	F	S	S	V	V	Q	Q	80
UniRef90_UPI0003B5F13B	S	Q	D	L	F	S	A	F	S	Y	T	P	L	K	D	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	N	V	G	Q	A	H	H	G	L	C	F	S	S	V	V	K	K	80	
UniRef90_D9SR89	K	H	I	D	I	F	T	A	F	K	T	T	A	Y	K	D	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	G	P	N	Q	A	F	G	M	A	F	A	V	K	K	80			
UniRef90_D4J7Y3	S	D	M	I	F	H	A	F	E	V	T	P	L	E	D	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	G	D	G	Q	A	H	G	L	C	F	S	S	V	V	Q	Q	80		
UniRef90_R5P4I3	S	D	D	I	F	N	A	F	H	L	T	P	L	Y	N	K	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	E	P	G	Q	A	H	H	G	L	C	F	S	S	V	V	K	K	80
UniRef90_F0EYQ4	E	K	E	V	F	N	A	F	R	Y	T	P	L	W	D	K	V	K	V	V	L	L	60	G	Q	Q	D	D	P	Y	H	H	E	P	H	Q	A	H	H	G	L	C	F	S	S	V	V	Q	Q	80
UniRef90_D4LSC1	A	D	D	M	F	N	A	F	H	F	T	P	L	S	Q	V	K	V	V	L	L	60	G	Q	Q																									

QUERY		170	180	190	200																																													
UniRef90_UPI0003B48758	F	L	L	W	G	S	Y	A	Q	K	K	G	S	A	L	D	R	K	R	H	H	V	L	Q	T	A	H	P	H	P	S	S	P	L	S	S	V	Y	R	G	F	F	F	F	G	G	C			
UniRef90_UPI00047A57D7	F	L	L	W	G	R	P	A	Q	S	K	K	E	K	M	I	H	T	N	N	R	H	H	V	L	E	K	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C
UniRef90_U4WV33	F	L	L	W	G	R	H	A	Q	S	K	K	E	K	M	I	D	T	N	N	R	H	H	V	L	E	K	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C
UniRef90_V9KQY3	F	M	L	W	G	A	H	A	Q	K	K	G	S	S	I	D	R	K	R	H	H	V	L	Q	T	A	H	P	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C		
UniRef90_W3ALK5	F	L	L	W	G	R	P	A	Q	M	K	A	S	M	L	K	N	P	K	H	H	V	L	K	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_R716U1	F	L	L	W	G	K	P	A	Q	M	K	K	K	M	L	T	N	P	K	H	H	V	L	K	E	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C		
UniRef90_D6Z1M2	F	L	L	W	G	S	Y	A	Q	K	K	G	A	I	T	D	T	R	R	H	H	V	L	R	E	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C		
UniRef90_UPI000464ED4E	F	L	L	W	G	R	P	A	Q	K	K	K	S	M	L	H	N	P	K	H	H	V	L	K	E	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C		
UniRef90_UPI000364D499	F	L	L	W	G	R	P	A	Q	E	K	K	R	L	I	H	N	T	T	K	H	H	V	L	K	E	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C	
UniRef90_R6UQW3	F	L	L	W	G	R	N	A	K	E	K	S	T	L	I	T	N	P	A	H	H	V	L	S	C	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C		
UniRef90_E6UID1	F	M	L	W	G	R	N	A	K	E	K	Q	K	L	I	T	N	P	A	H	H	V	L	S	C	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C		
UniRef90_R7NAQ6	Y	M	L	W	G	S	P	A	Q	R	K	K	P	M	L	T	N	P	K	H	H	V	L	K	T	A	A	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C		
UniRef90_UPI0003734182	F	L	L	W	G	A	Y	A	Q	K	K	G	A	I	T	D	E	R	K	H	H	V	L	K	A	A	H	H	P	S	S	P	L	S	S	A	S	A	N	D	R	G	F	F	F	F	G	G	C	
UniRef90_F5LBC2	F	L	L	W	G	R	N	A	Q	K	K	E	L	I	T	S	T	N	K	H	H	V	L	I	K	E	S	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C	
UniRef90_R2SKN8	F	L	L	W	G	K	P	A	Q	E	K	K	M	L	I	D	T	N	K	H	H	V	L	I	K	E	S	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C	
UniRef90_C2G122	F	L	L	W	G	S	Y	A	Q	K	K	A	V	L	I	D	K	S	K	H	H	V	L	T	A	V	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_I3YIH0	Y	M	L	W	G	S	Y	A	Q	R	K	G	A	L	A	D	P	Q	R	N	H	H	V	L	K	S	V	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C		
UniRef90_UPI00036F23C5	F	L	L	W	G	S	Y	A	Q	R	K	G	A	N	I	D	D	A	N	R	H	H	V	L	K	S	V	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C		
UniRef90_UPI0003622623	F	L	L	W	G	S	H	A	Q	K	K	A	H	F	I	D	G	S	R	H	H	V	L	R	S	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_D4DSZ2	F	L	L	W	G	S	H	A	Q	K	K	G	A	F	L	D	R	G	R	H	H	V	L	T	S	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_UPI000427B3BD	F	M	L	W	G	S	P	A	Q	K	K	A	A	F	L	S	N	P	R	H	H	V	L	K	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_H5V6R8	F	M	L	W	G	S	H	A	Q	K	K	G	A	M	I	D	R	E	R	H	H	V	L	Q	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_UPI0004062D64	F	L	L	W	G	R	N	A	Q	K	K	A	A	F	I	D	R	T	K	R	H	H	V	L	R	E	S	A	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C	
UniRef90_S0NRJ5	F	L	L	W	G	K	P	A	Q	K	K	M	S	M	L	D	T	H	K	H	H	V	L	R	E	S	V	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C		
UniRef90_W6U711	F	L	L	W	G	R	Y	A	Q	N	K	S	A	L	I	D	Q	T	K	H	H	V	L	T	A	A	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_V6M2L2	F	L	L	W	G	K	H	A	Q	K	K	A	A	L	I	D	T	N	S	R	H	H	V	L	A	S	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C		
UniRef90_A7GVE5	F	L	L	W	G	R	H	A	Q	A	K	K	K	R	L	T	N	P	S	R	H	H	V	L	A	S	V	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C		
UniRef90_C4GAD5	F	M	L	W	G	S	S	A	Q	A	K	A	A	M	L	D	H	P	G	H	H	V	L	K	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_A6VAM7	F	L	L	W	G	S	H	A	Q	K	K	Q	K	L	I	D	P	Q	R	H	H	V	L	K	S	A	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_UPI0003B31A03	F	L	L	W	G	A	F	A	Q	S	K	A	G	L	I	D	E	K	K	H	H	V	L	R	S	A	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_B4X3R8	F	L	L	W	G	S	H	A	Q	K	K	G	R	L	I	D	R	D	K	H	H	V	L	S	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_UPI0003B5F13B	F	L	L	W	G	S	P	A	Q	K	K	A	A	G	L	K	N	P	K	H	H	V	L	K	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_D9SR89	F	L	L	W	G	N	P	A	K	E	K	K	L	I	T	T	N	K	H	H	V	L	L	T	T	V	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_D4J7Y3	F	L	L	W	G	R	P	A	Q	K	K	A	M	L	I	N	N	P	H	H	V	L	L	E	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_R5P4I3	F	M	L	W	G	K	P	A	Q	A	K	E	V	M	L	T	N	S	N	H	H	V	L	K	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_F0EYQ4	F	L	L	W	G	S	H	A	Q	K	K	A	A	W	L	D	E	S	R	H	H	V	L	R	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_D4LSC1	F	L	L	W	G	R	P	A	Q	M	K	K	S	M	L	N	N	P	K	H	H	V	L	L	E	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C		
UniRef90_A8MM35	F	L	L	W	G	R	N	A	I	S	K	E	R	F	I	T	N	P	Q	H	H	V	L	K	S	V	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_UPI0003F57E2A	Y	L	L	W	G	K	P	A	Q	E	K	K	S	M	L	N	N	P	K	H	H	V	L	K	A	P	H	H	P	S	S	P	L	S	S	A	S	Y	R	G	F	F	F	F	G	G	C			
UniRef90_X2H0T1	F	L																																																

QUERY	R	H	F	S	K	T	N	E	L	L	Q	K	S	G	K	K	P	I	D	W	K	E	L	
UniRef90_UPI0003B48758	K	H	F	S	K	C	N	E	F	L	V	Q	N	G	L	E	P	I	D	W	Q			
UniRef90_UPI00047A57D7	K	P	F	S	K	T	N	E	Y	L	V	S	K	G	L	E	P	I	D	W	Q			
UniRef90_U4WV33	K	P	F	S	K	A	N	Q	F	L	V	K	L	G	E	E	P	I	D	W	Q			
UniRef90_V9KQY3	R	H	F	S	Q	T	N	E	F	L	V	K	A	G	K	T	P	I	D	W	K	A	L	
UniRef90_W3ALK5	K	P	F	S	K	T	N	E	F	L	T	E	H	G	L	E	P	I	D	W	Q			
UniRef90_R7I6U1	K	P	F	S	K	T	N	D	Y	L	V	E	H	G	L	E	P	I	D	W	Q			
UniRef90_D6Z1M2	R	H	F	S	K	A	N	Q	Y	L	T	A	N	G	K	T	P	I	N	W	Q			
UniRef90_UPI000464ED4E	R	P	F	S	Q	A	N	R	F	L	K	A	Q	G	L	E	P	V	D	W	Q			
UniRef90_UPI000364D499	R	P	F	S	Q	A	N	Q	R	L	L	E	L	G	E	K	P	I	D	W	Q			
UniRef90_R6UQW3	R	H	F	S	K	T	N	A	F	L	Q	E	H	G	Q	Q	P	I	D	W	Q			
UniRef90_E6UID1	R	H	F	S	R	A	N	E	F	L	T	Q	T	G	Q	E	P	I	D	W	S			
UniRef90_R7NAQ6	R	H	F	S	Q	C	N	E	F	L	E	S	H	G	V	E	P	I	D	W	Q			
UniRef90_UPI0003734182	H	H	F	S	K	A	N	E	Y	L	K	Q	Q	G	K	E	P	I	D	W				
UniRef90_F5LBC2	R	P	F	S	K	T	N	K	F	L	K	E	L	G	V	E	E	P	I	D	W	Q		
UniRef90_R2SKN8	K	P	F	S	K	T	N	Q	A	L	Q	Q	L	G	E	T	P	I	N	W	Q			
UniRef90_C2G122	K	H	F	S	K	A	N	E	Y	L	K	D	H	G	R	L	P	I	D	W	R			
UniRef90_I3YIH0	R	H	F	S	R	A	N	E	Y	L	R	S	L	G	K	E	P	I	V	W				
UniRef90_UPI00036F23C5	K	H	F	S	K	A	N	E	Y	L	R	S	A	H	N	M	E	P	I	N	W			
UniRef90_UPI0003622623	R	P	Y	S	Q	A	N	A	F	L	R	Q	F	G	R	E	P	I	D	W	Q			
UniRef90_D4DSZ2	K	P	F	S	Q	T	N	A	Y	L	Q	K	H	G	Q	T	P	I	D	W	Q	V		
UniRef90_UPI000427B3BD	R	H	F	S	K	C	N	D	F	L	V	K	N	G	C	E	P	I	D	W	Q			
UniRef90_H5V6R8	G	H	F	V	K	A	N	D	Y	L	A	Q	R	G	E	T	P	I	D	W				
UniRef90_UPI0004062D64	R	P	F	S	R	A	N	A	F	L	R	A	H	G	L	P	E	P	I	D	W	Q	V	
UniRef90_S0NRJ5	K	P	F	S	K	T	N	D	A	L	M	A	L	G	E	T	P	I	N	W	Q			
UniRef90_W6U711	K	H	F	S	K	A	N	A	I	L	E	K	Q	G	L	S	G	I	D	W	Q	I	V	
UniRef90_V6M2L2	R	P	F	S	R	A	N	Q	F	L	L	A	Q	G	L	E	P	I	D	W	Q			
UniRef90_A7GVE5	K	P	F	S	K	V	N	R	F	L	S	S	L	G	E	K	E	P	I	D	W	Q		
UniRef90_C4GAD5	G	H	F	S	K	C	N	E	Y	L	K	E	Q	G	L	E	P	I	D	W	Q			
UniRef90_A6VAM7	G	H	F	S	R	T	N	K	F	L	E	Q	N	G	L	E	P	I	D	W	S			
UniRef90_UPI0003B31A03	K	P	F	S	K	T	N	E	F	L	L	K	E	G	K	Q	P	I	D	W	Q			
UniRef90_B4X3R8	G	H	F	S	R	A	N	Q	Y	L	L	Q	Q	G	K	T	A	I	D	W	S	V		
UniRef90_UPI0003B5F13B	K	P	F	S	K	T	N	E	Y	L	K	A	N	G	L	S	E	P	I	D	W	Q		
UniRef90_D9SR89	K	H	F	S	K	T	N	E	F	L	K	S	K	G	M	E	P	I	D	W	Q			
UniRef90_D4J7Y3	K	P	F	S	Q	T	N	R	F	L	E	E	H	G	V	A	P	I	D	W	Q			
UniRef90_R5P4I3	R	H	F	S	K	A	N	E	F	L	T	A	H	G	E	T	P	I	D	W	Q			
UniRef90_F0EYQ4	R	H	F	S	Q	A	N	A	Y	L	Q	A	H	G	L	A	P	I	D	W	Q			
UniRef90_D4LSC1	R	H	F	S	K	T	N	E	F	L	I	Q	N	G	L	E	P	I	D	W	Q			
UniRef90_A8MM35	K	P	F	S	K	T	N	S	F	L	E	S	L	G	E	K	P	I	D	W	Q			
UniRef90_UPI0003F57E2A	K	H	F	S	K	T	N	E	F	L	E	K	N	G	L	T	P	I	N	W	Q			
UniRef90_X2H0T1	K	H	F	S	K	A	N	E	L	I	G	Q	Q	G	K	T	P	I	D	W	Q			
UniRef90_UPI000255A755	R	P	F	S	Q	A	N	A	Y	L	Q	Q	R	G	A	A	P	I	D	W	S			
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		130		140		150		160																																						
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UniRef90_E8WSN1	L	L	N	A	T	L	T	V	R	A	H	C	A	G	S	H	Q	N	K	G	W	E	T	F	T	D	A	V	I	Q	R	H	L	L	T	N	S	E	K	R	K	S	N	L	V	V
UniRef90_UPI00041E0BC9	L	L	N	A	T	L	T	V	R	A	H	C	A	G	S	H	Q	N	K	G	W	E	T	F	T	D	A	V	I	Q	R	H	L	L	T	N	S	E	K	R	K	S	N	L	V	V
UniRef90_B8FSV8	L	L	N	A	T	L	T	V	R	A	H	C	A	G	S	H	Q	N	K	G	W	E	T	F	T	D	A	V	I	Q	R	H	L	L	T	N	S	E	K	R	K	S	N	L	V	V
UniRef90_Q9LIH6	L	L	N	A	T	L	T	V	R	A	H	C	A	G	S	H	Q	N	K	G	W	E	T	F	T	D	A	V	I	Q	R	H	L	L	T	N	S	E	K	R	K	S	N	L	V	V
UniRef90_A0A017TEF7	L	L	N	A	T	L	T	V	R	A	H	C	A	G	S	H	Q	N	K	G	W	E	T	F	T	D	A	V	I	Q	R	H	L	L	T	N	S	E	K	R	K	S	N	L	V	V
UniRef90_UPI00035E6317	L	L	N	A	T	L	T	V	R	A	H	C	A	G	S	H	Q	N	K	G	W	E	T	F	T	D	A	V	I	Q	R	H	L	L	T	N	S	E	K	R	K	S	N	L	V	V
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UniRef90_W7YPD9	L	L	N	A	T	L	T	V	R	A	H	C	A	G	S	H	Q	N	K	G	W	E	T	F	T	D	A	V	I	Q	R	H	L	L	T	N	S	E	K	R	K	S	N	L	V	V
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UniRef90_I3UDB1	L	L	N	A	T	L	T	V	R	A	H	C	A	G	S	H	Q	N	K	G	W	E	T	F	T	D	A	V	I	Q	R	H	L	L	T	N	S	E	K	R	K	S	N	L	V	V
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UniRef90_R5W3I4	M	L	N	A	T	L	T	V	R	A	H	C	A	G	S	H	Q	N	K	G	W	E	T	F	T	D	A	V	I	Q	R	H	L	L	T	N	S	E	K	R	K	S	N	L	V	V
UniRef90_F8WXJ1	L	L	N	A	T	L	T	V	R	A	H	C	A	G	S	H	Q	N	K	G	W	E	T	F	T	D	A	V	I	Q	R	H	L	L	T	N	S	E	K	R	K	S	N	L	V	V
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UniRef90_W6W291	L	L	N	A	T	L	T	V	R	A	H	C	A	G	S	H	Q	N	K	G	W	E	T	F	T	D	A	V	I	Q	R	H	L	L	T	N	S	E	K	R	K	S	N	L	V	V
UniRef90_M1SUD7	L	L	N	A	T	L	T	V	R	A	H	C	A	G	S	H	Q	N	K	G	W	E	T	F	T	D	A	V	I	Q	R	H	L	L	T	N	S	E	K	R	K	S	N	L	V	V
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UniRef90_UPI0003A230D8	L	L	N	A	T																																									

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UniRef90_Q9LIH6	R	H F S R A N Q L L E E M G I P P I	D W Q
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UniRef90_M1SUD7	G	H F S K T N A I L T E R G Q A P I	D W Q
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UniRef90_C0EB67	R	H F S K T N A F L E A R G Q A L I	D W Q
UniRef90_R9NLC7	K	H F S K T N Q W L T R H G E E N I	N W
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UniRef90_UPI0003A230D8	G	H F S A V N A Y L Q A Q G R Q P I	D W R
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UniRef90_F9YPS6	K	H F S Q S N Q Y L K S I G K S E I	D W S
UniRef90_UPI00024924A0	R	P F S K T N A A L E A M G E T P I	D W Q
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UniRef90_UPI000370856D	K	P F S K A N A Y L V K N G K D A I	D W Q
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UniRef90_V4QCL4	R	P F S K A N A W L D M K G V D P I	D W
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UniRef90_G2HSG2 K N I K N P P S L M V N I L K E I S E D D L G G K K S V C E D G D L T P W A K Q Q G V L L
UniRef90_A6DK00 R G E K I P P S L L R N I Y K E L D S D L G G S P A L D G D L S P W A Q Q G V L L

	130	140	150	160
UniRef90_UPI000422E395	L	L	L	L
UniRef90_D6GR93	L	L	L	L
UniRef90_A3Y4U0	L	L	L	L
UniRef90_R7G9Y7	M	M	M	M
UniRef90_UPI0002DC39DF	L	L	L	L
UniRef90_A8FZL9	M	L	L	L
UniRef90_S7X2N2	L	L	L	L
UniRef90_C2BDE2	L	L	L	L
UniRef90_UPI0002F2CFCE	M	L	L	L
UniRef90_M7PNZ2	L	L	L	L
UniRef90_R5BXP2	L	L	L	L
UniRef90_UPI0003F66710	L	L	L	L
UniRef90_B0TS11	M	L	L	L
UniRef90_R5ETR7	P	L	L	L
UniRef90_Q5DC15	L	L	L	L
UniRef90_A7ZAZ4	L	L	L	L
UniRef90_K2EW79	M	L	L	L
UniRef90_UPI0003B4947F	L	L	L	L
UniRef90_T0DKW2	L	L	L	L
UniRef90_R1FRL1	M	F	L	L
UniRef90_C3YKZ1	L	L	L	L
UniRef90_D3B454	M	L	L	L
UniRef90_A0RM89	L	L	L	L
UniRef90_U4TN60	L	L	L	L
UniRef90_D5BNA1	L	L	L	L
UniRef90_W4Q4E5	L	L	L	L
UniRef90_UPI0003C1752B	L	L	L	L
UniRef90_E1GUQ7	L	L	L	L
UniRef90_O74834	M	L	L	L
UniRef90_G3ADP4	L	L	L	L
UniRef90_A4C6P8	M	L	L	L
UniRef90_U7VCA5	L	L	L	L
UniRef90_UPI00035C3A65	L	L	L	L
UniRef90_L0A0V9	L	L	L	L
UniRef90_I4E073	L	L	L	L
UniRef90_S3FHW6	L	L	L	L
UniRef90_I1GBA2	L	L	L	L
UniRef90_UPI0003B4F7A6	L	L	L	L
UniRef90_UPI0002493403	L	L	L	L
UniRef90_U2EBN9	L	L	L	L
UniRef90_Q92EQ0	L	M	L	L
UniRef90_D4ZBW8	M	L	L	L
UniRef90_Q12K19	L	L	L	L
UniRef90_UPI000255AD09	L	L	L	L
UniRef90_K7FF81	L	L	L	L
UniRef90_W7TJ25	L	L	L	L
UniRef90_Q9PJD2	L	L	L	L
UniRef90_R5LE61	M	L	L	L
UniRef90_UPI00036836DD	L	M	L	L
UniRef90_UPI0004745631	L	L	L	L
UniRef90_A0A011SHM9	L	L	L	L
UniRef90_UPI00046847A7	L	L	L	L
UniRef90_Q8R634	L	L	L	L
UniRef90_J9Z1B8	L	L	L	L
UniRef90_C8N6R5	L	L	L	L
UniRef90_A0Z436	L	L	L	L
UniRef90_G2IK88	L	L	L	L
UniRef90_UPI00047E97DA	L	L	L	L
UniRef90_W8FW29	L	L	L	L
UniRef90_Q38VY5	L	L	L	L
UniRef90_UPI0004418227	F	L	L	L
UniRef90_V2TPT4	L	L	L	L
UniRef90_H1H6N0	L	L	L	L
UniRef90_G9EH79	L	L	L	L
UniRef90_K9ZPH1	M	L	L	L
UniRef90_C7NB25	L	L	L	L
UniRef90_X5JYL7	M	L	L	L
UniRef90_D8LFW4	L	L	L	L
UniRef90_S8E9P7	L	L	L	L
UniRef90_UPI00037417A5	L	L	L	L
UniRef90_UPI00031990DF	L	L	L	L
UniRef90_C5EYD7	L	L	L	L
UniRef90_B2IAB2	L	L	L	L
UniRef90_K1ZKD8	L	L	L	L
UniRef90_UPI000317FA75	L	L	L	L
UniRef90_W9W8M1	L	L	L	L
UniRef90_G4T6H9	W	L	L	L
UniRef90_R7HHJ7	L	L	L	L
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UniRef90_UPI0002F662AA	L	L	L	L
UniRef90_P29950	L	L	L	L
UniRef90_R4I021	L	L	L	L
UniRef90_M7WR77	L	L	L	L
UniRef90_C6XGP4	L	L	L	L
UniRef90_C1CKR8	L	L	L	L
UniRef90_I3YYV9	L	L	L	L
UniRef90_B7CA47	L	M	L	L
UniRef90_UPI0004251ADD	M	L	L	L
UniRef90_A0A031HKL2	L	L	L	L
UniRef90_UPI0003686067	L	L	L	L
UniRef90_G2HSG2	L	L	L	L
UniRef90_A6DK00	L	L	L	L

		210	220
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UniRef90_A3Y4U0	Q H F S L A N H Y L	K Q Q G K T E I	D W
UniRef90_R7G9Y7	R P F S K T N E Y L	L K E M G R T P I	D W R M
UniRef90_UPI0002DC39DF	R H F S Q A N E I L L	M K Q K K S P I	D W
UniRef90_A8FZL9	K H F S K T N D L L	L E L D G S D P I	T W Q V
UniRef90_S7X2N2	K H F S K T N Y Q L E	Q V E V S V I	D W K
UniRef90_C2BDE2	K P F S K T N E F L	L K N N L K V I	D W E
UniRef90_UPI0002F2CFCE	Q H F S A I N Q R L Q	A R Q Q T P I	N W Q V
UniRef90_M7PNZ2	R H F S Q A N A Y L	V E H G Q S P V	N W Q
UniRef90_R5BXP2	R H F S R T N E I L	V S E G K S P I	D W K
UniRef90_UPI0003F66710	K P F S R V N E F L	L K K H G E E P I	D W K
UniRef90_B0TS11	K H F S K I N E L L	L Q A R G E R A I	D W Q V
UniRef90_R5ETR7	R H F S R A N A F L	L R S K G I R E I	D W
UniRef90_Q5DC15	G H F I K A N E Y L	L K Q H N I E P V	D W T K L
UniRef90_A7ZAZ4	R H F S K A N I Y L	L A K H G K T P I	E W
UniRef90_K2EW79	H H F S L C N N Y L	L K D H N L E A I	D W K
UniRef90_UPI0003B4947F	G H F S A A N R W L	L A G R G L A P I	D W
UniRef90_T0DKW2	K P F S Q A N A Y L	L A Q K N R Q T I	S W E
UniRef90_R1FRL1	R V F S K A N E Y L	L E Q K G F A P I	D W A L
UniRef90_C3YKZ1	K C F S R V N L A L	L K E L G K E E V	D W S
UniRef90_D3B454	K P F S K T N D Y L	L K S I G Q E E I	D W
UniRef90_A0RM89	R H F S K C N N Y L	L I K N G Q T P I	D W
UniRef90_U4TN60	K H F S K T N Q L L	L A M Q G K E P I	Y W Q
UniRef90_D5BNA1	R P F S R T N S Y L	L E A Q G Q T A I	N W
UniRef90_W4Q4E5	K P F S K I N E H L	L N K V G H P I	K W
UniRef90_UPI0003C1752B	R Q F S T I N Q Y L	L I Q R G Q T P I	D W Q
UniRef90_E1GUQ7	H H F S R C N I Y L	L K S N G I E E I	R W
UniRef90_O74834	H H F K K T N E W L	L E E Q Y G P E I	N W S A V
UniRef90_G3ADP4	H H F S R T N T L L	L K Q H N Q Q P I	D W R V
UniRef90_A4C6P8	K H F S T I N Q L L	L Q E L G N K P I	D W Q V
UniRef90_U7VCA5	G H F K T I N S I L	L K E K G H K T I	T W
UniRef90_UPI00035C3A65	R P F S K A N A F L	L T S R G L P E I	D W
UniRef90_L0A0V9	R P F S A V N K A L	L G E S G R G V	E W Q
UniRef90_I4E073	K P F S K T N A F L	L T S Q G I E P I	N W
UniRef90_S3FHW6	R P F S Q V N D L L	L K Q W G Q P E I	D W C
UniRef90_I1GBA2	R H F S K A N E L L	L E K D G R T P I	D W S H L
UniRef90_UPI0003B4F7A6	R H F S K T N A F L	L E S H G Q A P I	D W R V
UniRef90_UPI0002493403	K P F S Q T N E A L	L L R Y N N E R V I	N W Q
UniRef90_U2EBN9	K P F T T V N N F L	L I K H U Q D P I	D W E
UniRef90_Q92EQ0	K P F S K T N E F L	L K E N N R T P I	D W
UniRef90_D4ZBW8	K H F S K T N A L L	L A S L G T K Q I	D W Q V
UniRef90_Q12K19	K H F S T I N G I L	L L K Q G D K A I	D W Q V
UniRef90_UPI000255AD09	K H F S K T N T I L	L K Q L E K N T I	D W
UniRef90_K7FF81	Q H F S K T N E F L	L K K C G K K P I	D W K A L
UniRef90_W7TJ25	K S F S R T N A A L	L V E L G K E P I	D W R
UniRef90_Q9PJD2	C H F S K I N Y L L	L K K Q G K P M I	N W K
UniRef90_R5LE61	S H F S K T N K F L	L I Q N N M T P I	D W Q
UniRef90_UPI00036836DD	K P F S Q I D A A L	L A A M G H K A I	D W
UniRef90_UPI0004745631	R P F S R V N D F L	L A S K G L E P V	D W R
UniRef90_A0A011SHM9	G I F S Q T N R L L	L R D M G H E P V	N W Q
UniRef90_UPI00046847A7	R P F S R C N T A L	L E N F G E T P I	D W Q
UniRef90_Q8R634	K H F S E A N R I L	L K N L G E K E I	D W Q
UniRef90_J9Z1B8	K P F S K T N N Y L	L E S K Q I D M I	N W
UniRef90_C8N6R5	S H F L S A N Q I L	L E A R G E A P I	N W Q
UniRef90_A0Z436	G H F S Q A N A F L	L D R C G R G A I	D W S
UniRef90_G2IK88	R H F S Q A N A F L	L E A H G R G K I	D W
UniRef90_UPI00047E97DA	K H F S Q A N T Y L	L K S K N Q E E I	D W
UniRef90_W8FW29	Q P F S Q I N Q Y L	L T A R G Q T P I	Q W Q
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UniRef90_UPI0004418227	G H F A T A N E W L	L K E R Y G E V	D W R V L
UniRef90_V2TPT4	K V F S K T N S Y L	L E K N N M Q P I	C W Q
UniRef90_H1H6N0	K P F S Q T N A Y L	L E S K G I K T I	D W K
UniRef90_G9EH79	R H F S Q A N Q F L	L Q A Q G R A P I	E W Q
UniRef90_K9ZPH1	K P F S A I N A A L	L V D W G K P E I	D W Q V
UniRef90_C7NB25	G H F K K A N D I L	L K E L G K E E I	D W Q
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UniRef90_D8LFW4	E C F K K A N D A L	L E E L G H G G V	D W N V L
UniRef90_S8E9P7	G H F K R A N E W L	L E Q K Y G S E V	D W C K L
UniRef90_UPI00037417A5	R P F S K I N R F L	L T E Q G R G D I	N W Q
UniRef90_UPI00031990DF	K P F S E T N Q F L	L K S K G K E P I	N W C
UniRef90_C5EYD7	R H F S Q T N A L L	L E S L H K S P I	N W Q
UniRef90_B2IAB2	R H F S L C N Q Y L	L S Q H G L G M V	D W S
UniRef90_K1ZKD8	K H F S K V N A L L	L R A S E R E P I	D W
UniRef90_UPI000317FA75	E P F S R T N D Y L	L V E H G R E P V	D W S E
UniRef90_W9W8M1	G H F R K T N E W L	L E S R Y G A E I	N W
UniRef90_G4T6H9	N H F K L A N E W L	L E E K Y G E E V	D W T A I
UniRef90_R7HHJ7	K P F S K T N D F L	L I K N N I K P I	D W S K
UniRef90_E8SJF1	K P Y S K T N A Y L	L E A Q G L A P I	H W C E
UniRef90_UPI0002F662AA	K H F S S T N S Y L	L K A N G K S E I	N W
UniRef90_P29950	R H F S Q A N A F L	L E S K G F D P I	D W R
UniRef90_R4I021	H H F S Q T N Q L L	L K K H K L E Q I	N W
UniRef90_M7WR77	S H F R K A N E W L	L Q Q K Y G P D I	E W T K L
UniRef90_C6XGP4	R H F S K A N R Y L	L Q E H G K T T V	N W Q
UniRef90_C1CKR8	K P F S K A N A F L	L K E T C Q E P I	D W
UniRef90_I3YYV9	K Q F S A A N D Y L	L I T K G K E K I	I W
UniRef90_B7CA47	N H F K L A N E Y L	L V K N N E T P I	Q W
UniRef90_UPI0004251ADD	K H F S Q T N E Y L	L K K I G K P I	E W
UniRef90_A0A031HKL2	R P F S R T N A F L	L V A H G A A P I	D W
UniRef90_UPI0003686067	K P F S K T N H F L	L A E Q G L E P V	D W
UniRef90_G2HSG2	K H F S K T N E I L	L K S L G K E E I	T W
UniRef90_A6DK00	K P F S K I N K Y L	L E S T K Q E A I	D W R

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UniRef90_UPI00016PKH6 I D T L D E S W L A H L K D E L V S K E F L D L K R F L D R E E Y Q S N G R K F P P P
UniRef90_Q2N718 T V P E S W K P A L L D P A L L E P P E A R R Q L L G G W L R E E E A A G K T I Y P P P
UniRef90_COM7J9 M T H S A W H D E I K Q E V L P K D Y Y R R F L D R E V Y A T G V I Y P P P
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UniRef90_M4U2T0 M H Y S W N S K L K G E F E K P Y F Q E L T A F V N K E Y I Q N T C F P P K
UniRef90_UPI00047D7E6A I T W T E V L A P I K N S S Y F K N L W Q K V K K E Y H Q Y K C F P P P
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UniRef90_W8JHG2 I D T L D E S W L A H L K E E I V T K E F F D L K R F L K K E W E T K T I F P P P
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UniRef90_UPI0003B3EFB2 I E T L H E S W L A V L H S E L T T P E F L N L K R F L V M K E A A S G K I F P P P
UniRef90_F9XMN3 I E Q E W K A L L K S E F S K D Y F K N L E I S V M T E F A D S G P D F P P P
UniRef90_UPI0003595B6E I D T I D P S W F V H L K E E F K K P Y F V K L K Q F V T K E Q Q E Y T V F P P P
UniRef90_G8ZMA6 E K I D P R W R S H L R H E F G K D Y F R G I K R F V H E N R N H C L P P P
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		130	140	150	160																																											
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UniRef90_UPI0003B41DF2	L	L	N	A	S	L	S	V	G	K	A	N	A	N	G	S	H	T	K	F	G	W	Q	N	F	T	D	N	A	I	K	V	I	N	S	D	S	R	R	C	N	G	D	S	L	V	V	
UniRef90_C8PLP5	L	L	N	A	S	L	S	V	G	K	A	N	R	A	N	G	S	H	T	K	F	G	W	Q	N	F	T	D	N	A	I	K	V	I	N	S	D	S	R	R	C	N	G	D	S	L	V	V
UniRef90_Q8EB78	M	L	N	T	V	L	T	V	E	Q	G	K	A	H	S	H	A	N	A	G	W	E	I	F	T	T	D	E	A	L	K	L	L	N	A	S	A	R	R	E	R	T	P	I	V	V		
UniRef90_R7MFY7	L	L	N	S	V	L	T	V	E	K	K	A	A	N	S	H	S	K	D	L	G	W	E	I	L	T	D	H	T	I	K	L	L	N	S	E	M	K	E	K	P	I	V	V				
UniRef90_A8WKJ4	M	L	N	A	T	L	T	V	R	A	H	E	A	N	S	H	S	K	I	L	G	W	Q	N	F	T	D	T	V	I	R	M	I	N	S	E	K	E	K	P	I	V	V					
UniRef90_Q2SUH8	L	L	N	T	V	L	T	V	E	R	S	S	A	N	S	H	A	K	R	G	W	E	K	C	T	D	T	L	I	H	E	L	A	T	R	H	R	H	L	V	V							
UniRef90_U6HYD8	L	L	N	A	V	L	T	V	E	R	S	S	A	N	S	H	A	K	R	G	W	E	K	C	T	D	T	L	I	H	E	L	A	T	R	H	R	H	L	V	V							
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UniRef90_F1ZCA7	L	L	N	N	A	L	T	V	E	Q	G	K	P	G	S	H	Q	N	R	G	W	E	L	L	T	D	A	A	V	A	A	V	N	A	E	K	S	S	E	P	C	V	V					
UniRef90_S3DHM8	L	L	N	T	I	L	T	V	E	E	K	K	P	H	S	H	S	N	I	G	W	E	I	F	T	D	K	V	I	Q	A	L	N	E	R	R	R	C	N	G	V	V						
UniRef90_C8VBA9	L	L	N	T	I	C	L	T	V	R	A	H	Q	A	N	S	H	S	N	K	G	W	E	R	L	T	D	K	A	I	D	V	V	T	R	V	R	R	C	N	G	V	V					
UniRef90_P53766	L	L	N	A	S	L	T	V	E	E	A	T	P	A	N	S	H	K	D	F	G	W	A	D	F	T	D	A	V	L	K	I	L	N	S	K	Q	D	Q	P	I	V	V					
UniRef90_V6SGG2	L	L	N	A	S	L	T	V	R	K	D	H	E	A	N	S	H	S	N	K	G	W	E	R	L	T	D	A	V	I	Q	Q	I	N	E	R	R	C	N	G	V	V						
UniRef90_A0A016PKH6	M	L	N	T	C	L	T	V	R	A	H	E	A	N	S	H	S	N	K	G	W	E	R	L	T	D	K	V	I	D	I	L	I	S	A	Q	S	S	C	N	G	V	V					
UniRef90_UPI00046BB66B	L	L	N	A	S	L	T	V	R	A	H	E	A	N	S	H	S	N	K	G	W	E	R	L	T	D	A	V	V	S	W	L	N	A	Q	N	S	S	G	L	V	V						
UniRef90_Q2N718	L	L	N	S	L	T	V	E	A	R	R	A	N	S	H	A	G	R	G	W	A	D	I	F	T	D	A	A	V	A	A	V	N	A	A	S	D	R	P	T	A	V	V					
UniRef90_COM7J9	L	L	N	A	C	L	T	V	P	E	R	R	A	N	G	H	A	G	L	I	W	E	P	F	T	D	A	V	I	K	V	L	N	A	A	K	D	R	P	V	V							
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UniRef90_W1PN63	L	L	N	A	V	L	T	V	K	H	H	Q	A	N	S	H	A	K	R	G	W	E	L	F	T	D	A	V	I	R	A	I	S	H	K	K	T	G	V	V								
UniRef90_Q47W84	L	L	N	T	V	L	T	V	Q	A	N	A	H	S	H	A	K	I	G	W	E	T	F	T	D	E	Q	A	I	N	A	L	N	E	R	H	H	V	D	G	C	V	V					
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UniRef90_M4U2T0	L	L	N	A	V	L	T	V	E	K	S	K	A	G	S	H	A	K	K	G	W	E	V	F	T	D	N	I	I	R	E	I	N	S	R	R	C	N	G	V	V							
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UniRef90_E4TDK6	L	L	N	A	T	L	T	V	K	A	H	E	A	N	S	H	K	D	L	G	W	E	T	F	T	D	F	I	I	K	E	I	S	D	K	K	E	N	I	V	V							
UniRef90_I0GYQ2	L	L	N	A	V	L	T	V	R	A	G	K	A	G	S	H	G	N	K	G	W	E	A	F	T	D	A	T	I	R	A	L	N	E	R	Q	D	S	E	R	I	V	V					
UniRef90_UPI0004720414	M	L	N	T	V	L	T	V	E	Q	G	K	A	H	S	H	A	K	S	G	W	Q	F	T	D	N	V	I	D	L	L	N	A	Q	S	Q	R	P	I	V	V							
UniRef90_F0RPZ8	L	L	N	A	V	L	T	V	R	E	G	E	P	S	H	A	Q	Q	G	W	E	D	F	T	D	A	V	I	R	A	L	N	A	K	E	Q	R	P	I	V	V							
UniRef90_UPI000479BC26	L	L	N	A	T	L	T	V	R	A	H	E	A	N	S	H	Q	K	K	G	W	E	N	F	T	D	A	V	I	S	I	L	S	K	N	K	E	H	V	V								
UniRef90_V4AGW5	L	L	N	A	T	L	T	V	Q	A	H	T	P	N	S	H	K	D	Y	G	W	Q	E	F	T	D	K	I	V	G	I	L	S	D	Q	C	D	R	V	V								
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UniRef90_Q492C8	L	L	N	S	I	L	T	V	E	E	G	R	S	C	S	H	A	D	I	G	W	E	R	F	T	D	K	L	I	S	I	L	N	T	H	K	E	S	K	I	V	V						
UniRef90_Q6FSX5	L	L	N	T	A	L	T	V	R	H	N	A	A	S	H	S	K	Q	G	W	E	T	F	T	R	R	A	L	E	A	L	V	H	D	R	K	S	L	V	V								
UniRef90_UPI000409D893	L	L	N	A	T	L	T	V	R	E	N	A	A	S	H	S	Q	K	G	W	E	T	F	T	N	Y	V	I	K	E	L	V	N	Q	N	E	Q	L	I	V	V							
UniRef90_V5G9G2	M	L	N	T	C	L	T	V	R	V	H	A	A	N	S	H	Q	G	K	G	W	E	R	F	T	Q	K	C	L	D	T	V	S	A	K	V	R	R	E	G	V	V						
UniRef90_H7FVD0	L	L	N	A	S	L	T	V	R	K	D	L	P	G	S	H	K	H	L	K	W	N	V	F	T	D	A	V	I	Q	E	I	S	D	E	K	E	N	I	V	V							
UniRef90_UPI0003B4CD79	M	L	N	S	L	T	V	E	K	G	L	P	G	S	H	Q	G	K	G	W	E	K	F	T	N	E	V	L	K	I	L	N	E	K	K	E	N	I	V	V								
UniRef90_E5AQ12	L	L	N	T	V	L	T	V	E	R	N	R	A	A	S	H	A	K	R	G	W	E	P	C	T	D	T	L	I	E	H	L	A	T	Q	H	E	G	L	V	V							
UniRef90_UPI0003B49A59	L	L	N	P	I	L	T	V	E	D	S	K	P	L	S	H	Q	N	I	G	W	Q	N	F	T	D	A	A	I	Q	R	I	L	A	A	K	E	D	A	V	V							
UniRef90_R5IM55	L	L	N	S	L	S	V	K	A	G	K	A	A	N	S	H	K	D	F	G	W	Q	T	F	T	D	A	V	V	Q	R	L	A	A	L	P	O	P	V	A	V	V						
UniRef90_UPI00039FE1B1	L	L	N	S	I	L	T	V	E	K	D	N	A	N	S	H	K	D	I	G	W	E	I	F	T	K	K	V	I	E	V	I	S	T	K	L	N	N	I	V	V							
UniRef90_R6CSU8	L	L	N	S	V	L	T	V	R	K	D	M	P	A	S	H	K	N	L	G	W	N	L	L	T	D	H	I	K	L	L	N	E	R	M	S	P	T	V	V								
UniRef90_F4FB96	L	L	N	S	V	L	T	V	R	Q	G	A	P	G	S	H	A	N	R	G	W	E	E	F	T	D	A	T	I	R	A	L	D	T	M	E	S	R	V	V								
UniRef90_UPI0002DD3721	L	L	N	T	S	L	T	V	K	E	G	E	A	N	A	H	H	S	L	R	W	D	E	F	T	K	S	V	I	Q	I	V	S	K	E	K	N	H	V	V								
UniRef90_W8JHG2	L	L	N	T	V	L	T	V	R	A	G	A	P	F	S	H	A	A	G	R	G	W	E	C	F	T	D	V	I	I	K	K	L	E	N	R	S	H	I	V	V							
UniRef90_Q7SG58	L	L	N	T	C	L	T	V	R	A	H	E	A	N	S	H	A	N	R	G	W	E	R	F	T	D	K	V	I	D	L	V	I	N	E	Q	K	K	G	V	V							
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UniRef90_E4TDK6	K P F S K [] I N N Y L L S K N K E E I K W	
UniRef90_I0GYQ2	R P F S A A N K A L A D G G R Q [] L I D W	
UniRef90_UPI0004720414	K H F S Q [] V N Q [] L L T A Q G [] L A P [] I N W Q V []	
UniRef90_F0RPZ8	R P F S A V N R A L Q E A G E E A V D W S	
UniRef90_UPI000479BC26	Q H F S S [] C N K [] L L E D [] L G N K [] I T W	
UniRef90_V4AGW5	K [] C F S K T N E A L K K F E R S E I D W R	
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UniRef90_M2WB69 L L N R C L T V T V R D G V P A S H H H G K G W E A V T E C A V R A L A A R G G P I V V

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D A F F A S P A G Q R L G E F M R Q R L A A G V I Y P P
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A P W A D L P F F D D P W P A I R N R L P D D F L P G
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K F F P S G W K E F F E E Q E E N I K E I S D K L W E D R N N K I V P K
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