

QUERY	1	10	20	30	40																																												
UniRef90_E6W738	S	S	H	R	K	L	A	L	Y	R	N	Q	A	K	S	L	L	T	H	G	R	I	T	T	T	V	P	K	A	K	E	L	R	R	G	F	V	D	H	L	I	T	T						
UniRef90_UPI00037B7405	A	H	H	Q	K	L	L	L	L	A	N	L	L	A	T	A	L	F	T	H	H	G	R	I	H	T	T	R	A	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T		
UniRef90_UPI000382678C	A	S	H	H	Q	K	A	I	L	L	A	N	L	A	T	A	L	F	F	E	H	H	G	R	I	K	T	T	T	E	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T	
UniRef90_B1MG98	A	S	H	H	Q	K	A	I	L	L	A	N	L	A	T	A	L	F	F	E	H	H	G	R	I	K	T	T	T	E	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T	
UniRef90_A7HW76	A	S	H	H	Q	K	A	I	L	L	A	N	L	A	T	A	L	F	F	E	H	H	G	R	I	K	T	T	T	E	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T	
UniRef90_A6W5W6	A	S	H	H	E	K	L	I	L	A	N	L	A	T	A	L	F	F	E	H	H	G	R	I	V	T	T	T	T	E	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T	
UniRef90_UPI0002DA0BC3	A	H	H	E	R	L	M	L	A	N	L	A	T	A	L	F	F	E	H	H	G	R	I	V	T	T	T	T	V	A	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T	
UniRef90_D2PU51	A	H	H	E	K	L	M	L	A	N	L	A	T	A	L	F	F	E	H	H	G	R	I	V	T	T	T	T	A	A	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T	
UniRef90_D5UWG6	A	S	H	H	R	I	A	M	F	R	N	M	A	T	S	L	L	K	H	E	H	G	R	I	V	T	T	T	L	P	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T	
UniRef90_UPI0002E45E0E	S	S	H	H	R	K	A	M	F	R	N	M	A	T	S	L	L	K	H	E	H	G	R	I	V	T	T	T	L	P	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T	
UniRef90_UPI00031BC5A6	S	S	H	H	R	K	A	M	F	R	N	M	A	T	S	L	L	K	H	E	H	G	R	I	V	T	T	T	L	P	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T	
UniRef90_UPI00045E7748	A	H	H	E	R	H	I	L	L	A	N	L	A	T	A	L	F	F	E	H	H	R	R	I	V	T	T	T	T	E	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T	
UniRef90_UPI0003748EFF	A	H	H	Q	R	L	I	L	A	N	L	A	T	A	L	F	F	E	H	H	G	K	I	V	T	T	T	T	E	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T		
UniRef90_A8TZI4	S	S	H	H	R	Q	A	M	F	R	N	M	A	A	A	L	L	T	K	H	E	H	G	R	I	V	T	T	L	P	K	A	K	E	L	R	R	V	V	E	E	K	L	L	I	T	T		
UniRef90_C7R8M0	S	S	H	H	R	K	A	M	F	R	N	M	T	S	L	L	I	E	H	E	H	G	R	I	V	T	T	T	L	P	K	A	K	E	L	R	R	R	V	V	E	E	K	L	L	I	T	T	
UniRef90_Q749B4	T	S	H	H	R	I	A	M	F	R	N	M	V	T	S	L	F	A	H	E	H	E	R	I	V	T	T	T	D	A	K	A	K	E	L	R	R	S	I	A	E	E	K	L	L	I	T	T	
UniRef90_A0P854	S	S	H	H	R	K	A	M	F	R	N	M	A	T	S	L	L	L	T	H	E	H	E	R	I	V	T	T	L	P	K	A	K	E	L	R	R	K	I	A	E	E	K	L	L	I	T	T	
UniRef90_W1TXI6	T	S	A	R	K	A	L	L	R	N	M	V	T	S	L	L	L	Q	H	E	H	E	R	I	V	T	T	T	E	T	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T	
UniRef90_W7U3L1	S	S	H	H	R	W	A	M	L	L	R	N	M	V	T	S	L	V	E	H	E	H	E	R	I	V	T	T	T	E	K	A	K	E	L	R	R	R	V	A	D	D	R	M	V	T	T		
UniRef90_G8SH58	A	H	H	E	K	L	I	M	A	N	L	A	T	A	L	F	F	E	H	H	G	K	I	V	T	T	T	T	E	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T		
UniRef90_UPI00034AD48D	A	H	H	E	R	H	I	L	L	A	N	L	A	T	A	L	F	F	E	H	H	G	R	I	V	T	T	T	E	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T		
UniRef90_M2WGM5	A	H	H	Q	R	L	I	L	R	N	L	S	Q	L	S	L	F	F	E	H	H	K	R	I	V	T	T	T	V	T	R	A	K	E	L	R	R	S	Y	A	E	E	K	L	L	I	T	T	
UniRef90_E4RJ91	S	S	H	H	R	K	A	M	F	R	N	M	A	T	S	L	L	F	R	Q	H	G	R	I	V	T	T	T	L	P	K	A	K	E	L	R	R	S	Y	A	E	E	K	L	L	I	T	T	
UniRef90_W2END3	S	A	H	H	E	R	L	I	L	A	N	L	A	T	A	L	F	F	Q	N	G	R	I	V	T	T	T	E	A	K	A	K	E	L	R	R	P	L	A	E	E	K	L	L	I	T	T		
UniRef90_Q488Y7	S	S	H	H	R	Q	A	M	F	R	N	M	A	S	S	L	V	K	H	G	V	I	K	T	T	V	A	K	A	K	E	L	R	R	V	L	E	E	K	L	L	I	T	T					
UniRef90_S5ZR05	T	T	A	D	Q	R	R	A	L	H	R	N	M	V	T	S	L	F	K	Y	G	R	I	V	T	T	T	K	Q	K	A	K	E	L	R	R	S	T	A	E	E	K	L	L	I	T	T		
UniRef90_B0KCM9	S	D	Q	R	R	A	M	L	R	N	L	V	T	D	F	L	K	Y	G	R	I	V	T	T	T	T	E	A	R	A	K	E	L	R	R	S	I	S	E	K	L	L	I	T	T				
UniRef90_UPI0003B37466	T	T	A	H	R	K	A	M	L	A	N	M	A	T	S	L	L	I	L	H	K	R	I	V	T	T	T	L	A	K	A	K	E	L	R	R	G	Y	V	E	E	K	L	L	I	T	T		
UniRef90_UPI00028960CF	T	T	A	H	R	R	A	M	M	R	N	M	V	T	S	L	L	I	E	Y	G	Q	I	V	T	T	T	L	A	K	A	K	E	L	R	R	K	P	L	E	E	K	L	L	I	T	T		
UniRef90_H6SSJ4	S	S	E	R	K	A	L	F	A	G	L	S	V	A	L	L	I	K	H	E	H	E	R	I	V	T	T	L	P	K	A	K	E	L	R	R	P	V	E	E	K	L	L	I	T	T			
UniRef90_D4H3B6	A	H	H	R	K	A	M	V	R	N	L	A	T	S	L	L	L	E	N	G	R	I	V	T	T	T	V	T	R	A	K	A	K	E	L	R	R	M	F	V	E	E	K	L	L	I	T	T	
UniRef90_A1ZGU2	A	P	H	H	R	K	A	M	L	S	N	M	A	S	S	L	L	I	L	H	K	R	I	V	T	T	T	V	A	K	A	K	E	L	R	R	Q	F	V	E	E	K	L	L	I	T	T		
UniRef90_K0C324	S	S	H	H	R	K	A	M	F	K	N	M	A	N	S	L	L	I	G	H	E	V	I	V	T	T	T	V	A	K	A	K	E	L	R	R	K	Y	F	L	E	E	K	L	L	I	T	T	
UniRef90_A4BT22	S	S	H	H	R	Q	A	M	F	R	N	M	A	A	S	L	F	Y	H	E	A	I	R	T	T	L	L	P	K	A	K	E	L	R	R	V	A	E	E	K	L	L	I	T	T				
UniRef90_K2M2J2	S	S	H	H	R	K	A	M	F	S	N	M	A	V	S	L	L	T	H	E	H	E	R	I	V	T	T	L	P	K	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T		
UniRef90_Q6AP42	S	S	H	H	R	D	A	M	F	R	N	M	V	T	S	L	F	F	E	H	E	H	E	R	I	V	T	T	K	E	K	A	K	E	L	R	R	P	I	A	E	E	K	L	L	I	T	T	
UniRef90_E5XKM5	A	S	H	H	E	K	S	L	L	A	N	L	A	T	S	L	F	F	E	H	H	G	R	I	V	T	T	T	E	A	R	A	K	E	L	R	R	P	Y	A	E	E	K	L	L	I	T	T	
UniRef90_UPI0003B470E0	A	H	H	R	N	A	M	L	A	N	L	A	A	S	L	L	F	E	N	K	R	I	V	K	T	T	T	D	A	K	A	K	E	L	R	R	F	I	E	R	M	I	V	T	T				
UniRef90_UPI00047D2594	A	H	H	R	L	M	L	A	N	L	S	A	S	L	L	F	E	N	K	R	I	V	K	T	T	T	T	V	T	K	A	K	E	L	R	R	P	F	A	E	E	K	L	L	I	T	T		
UniRef90_D1KAU1	A	S	H	H	R	K	A	M	F	Q	N	M	A	N	S	L	F	L	H	E	H	E	R	I	V	T	T	L	P	K	A	K	E	L	R	R	V	V	E	E	K	L	L	I	T	T			
UniRef90_A0LIL8	T	S	H	H	R	L	E	A	M	F	R	N	M	V	T	S	L	L	I	Q	H	E	H	E	R	I	V	T	T	L	P	K	A	K	E	L	R	R	R	W	A	D	W	M	I	S	T		
UniRef90_I2GQQ2	A	H	H	R	E	A	M	L	Q	N	M	A	T	S	L	L	I	M	H	K	R	I	V	T	T	T	E	T	V	A	K	A	K	E	L	R	R	K	Y	F	L	E	E	K	L	L	I	T	T
UniRef90_V4NNV6	T	S	H	H	R	I	A	M	F	A	N	M	A	A	S	L	L	I	K	H	E	H	E	R	I	V	T	T	L	P	K	A	K	E	L	R	R	P	F	V	E	E	K	L	L	I	T	T	
UniRef90_H8Z346	S	S	H	H	R	Q	A	M	F	R	N	M	A	S	S	L	F	R	Q	H	E	L	I	V	T	T	T	L	A	K	A	K	E	L	R	R	V	A	E	E	K	L	L	I	T	T			
UniRef90_B6J5F8	S	A	H	H	R	K	A	M	L	R	N	M	A	V	S	L	L	T	H	E	H	E	L	I	V	T	T	L	P	K	A	K	E	L	R	R	V	V	E	E	K	L	L	I	T	T			
UniRef90_UPI00030542EA	A	H	H	E	R	A	M	L	N	N	L	A	A	Q	L	F	F	E	N	K	S	I	V	K	T	T	T	E	T	K	A	K	E	L	R	R	P	H	A	E	E	R	L	L	I	T	T		
UniRef90_UPI0003B63263	S	S	H	H	R	K	A	M	F	R	N	M	A	I	S	L	F	F	E	H	E	L	I	V	T	T	T	V	P	K	A	K	E	L	R	R	V	A	E	E	K	L	L						

QUERY	50	60	70	80
UniRef90_E6W738	LAKRGD	HLARRR	LVLST	RVLQ
UniRef90_UPI00037B7405	KAKKGG	HARRR	EVLS	TKVQ
UniRef90_UPI000382678C	KAKKGG	HARRR	EVLS	TKVQ
UniRef90_B1MG98	HAKKGG	HARRR	EVLS	TKVQ
UniRef90_A7HW76	LAKKGG	HARRR	QVYA	AAAL
UniRef90_A6W5W6	FAKKG	ASRRR	QVYK	TAAL
UniRef90_UPI0002DA0BC3	KAKKGG	HARRR	QVVM	MRTR
UniRef90_D2PU51	KAKKGG	HARRR	QVVM	MRTR
UniRef90_D5UWG6	HAKKH	HARRR	EVLM	KEI
UniRef90_UPI0002E45E0E	LAKRGG	SARRR	QALIA	QI
UniRef90_UPI00031BC5A6	LAKRGG	HARRR	QALIA	QI
UniRef90_UPI00045E7748	FAKRG	HARRR	QVLI	GL
UniRef90_UPI0003748EFF	KAKRGG	HARRR	EVAK	VI
UniRef90_A8TZ14	LAKRGG	HARRR	LAYAR	RL
UniRef90_C7R8M0	LAKTDS	HARRR	LAFAR	RL
UniRef90_Q749B4	LAKRGG	HARRR	QASR	YL
UniRef90_A0P854	LAKGVT	HARRR	QAFS	RL
UniRef90_W1TX16	LAKRGG	HARRR	QALAF	FI
UniRef90_W7U3L1	WAKDGS	HARRR	QALM	VI
UniRef90_G8SH58	KAKRGG	HARRR	QVLT	VV
UniRef90_UPI00034AD48D	LAKRGG	HARRR	QVLT	VV
UniRef90_M2WGM5	AAKKGG	NARRR	KVLT	QL
UniRef90_E4RJ91	TAKKND	SSRRR	KVLT	MDKI
UniRef90_W2END3	KAKKGD	HARRR	QVLT	VV
UniRef90_Q488Y7	LAKTDS	HARRR	LAFAR	TL
UniRef90_S5ZR05	RSKVD	HARRR	HAKYI	LD
UniRef90_B0KCM9	LAKRGG	HARRR	QALAY	IL
UniRef90_UPI0003B37466	KSKND	TSRRR	QVFS	YL
UniRef90_UPI00028960CF	WKGKGS	LHARRR	QALF	LL
UniRef90_H6SSJ4	LAKRGG	HARRR	RAMQ	KL
UniRef90_D4H3B6	KAKKND	MSRRR	RVFS	YL
UniRef90_A1ZGU2	SASKED	TSRRR	QVFS	YL
UniRef90_K0C324	LAKEDT	TSRRR	QVFS	YL
UniRef90_A4BT22	LAKRGG	HARRR	QALTS	YL
UniRef90_K2M2J2	LAKRGG	HARRR	QALTS	YL
UniRef90_Q6AP42	LAKRGG	HARRR	QALTS	YL
UniRef90_E5XKM5	KAKAGT	LADRR	EVLK	VI
UniRef90_UPI0003B470E0	FAKRG	HARRR	QVLA	RL
UniRef90_UPI00047D2594	FAKRG	SSRRR	RVLA	QI
UniRef90_D1KAU1	KAKTDS	HARRR	NAFA	KL
UniRef90_A0LIL8	LAKRGG	HARRR	QVMA	YV
UniRef90_I2GQQ2	RAKDD	TYQNR	RVVY	QY
UniRef90_V4NNV6	LAKSGS	LHARRR	IAIS	YL
UniRef90_H8Z346	LAKTDS	HARRR	LAFAR	RL
UniRef90_B6J5F8	LAKEDT	TSRRR	LAFAR	RL
UniRef90_UPI00030542EA	FAKKG	LASRR	RVLR	SL
UniRef90_UPI0003B63263	LAKKGD	HARRR	LAFS	RL
UniRef90_Q2N9D8	LAKRGG	LSRRR	LAMGR	RL
UniRef90_V4R3L5	LAKRGG	HARRR	QVTS	QI
UniRef90_UPI00035ED42B	KAKKND	TSRRR	LVFS	TL
UniRef90_UPI00037E61FA	LAKRND	HARRR	QVYK	VL
UniRef90_I1GLP7	LAKDGS	HARRR	QALAY	YI
UniRef90_J0DFS3	FAKRG	HARRR	RVLR	LV
UniRef90_UPI0003688405	LAKVD	HARRR	LAMAR	LV
UniRef90_W0B802	TSKID	TSRRR	QVFD	KL
UniRef90_S7TC38	LALQND	HARRR	QVYK	VL
UniRef90_E0RQI7	RAKVD	HARRR	QVYK	VL
UniRef90_G8AKN1	LAKKGG	LASRR	LAFAR	QL
UniRef90_I3UHA4	LAKEDP	TLSRRR	LAFAR	QL
UniRef90_G0VNJ7	LAKRGG	HARRR	QVLA	YM
UniRef90_B9Y6F6	LAKRGG	HARRR	QALAY	YI
UniRef90_E2SG58	KAKTDS	HARRR	QVLA	VI
UniRef90_UPI00039E559B	LAKKGD	HARRR	QVLA	VI
UniRef90_A4FPJ1	KAKKGG	HARRR	EVLM	TR
UniRef90_I9W201	LAKKND	TSRRR	LAFNR	LV
UniRef90_A8GVD8	KAKDND	LASRR	LVLS	KI
UniRef90_F9DJR6	RSKND	TSNR	RVFR	YL
UniRef90_D7G6X7	LAKKGG	PHARR	QVQS	VV
UniRef90_B11B4	LAKRGG	LASRR	QVSE	YL
UniRef90_UPI000402DC60	KSKTDD	TSNR	RVFS	YL
UniRef90_UPI000371A3EB	LAKRGG	HARRR	QALAK	TV
UniRef90_UPI00036BB66C	KAKRGG	HARRR	QVLA	QV
UniRef90_D7G590	LAKKGG	HARRR	QAMGY	IY
UniRef90_M2W5B3	LAKKGG	HARRR	QAMGY	IY
UniRef90_D4KEB5	LAKRGG	HARRR	QVLA	FV
UniRef90_UPI000414E65E	LAKRGG	HARRR	QVLA	FV
UniRef90_UPI00047EE201	RSKDD	TSNR	RVFS	YL
UniRef90_T1C1Y4	MAKDD	TSNR	RVFS	YL
UniRef90_E1YG62	LAKQGD	LASRR	QALIS	TV
UniRef90_Z9JVP2	QAKKGG	HARRR	RVLM	TR
UniRef90_W5WLA7	KAKRGG	HARRR	EVLM	TR
UniRef90_W7DZV7	LAKRGG	HARRR	QAFAL	LV
UniRef90_A5CU79	FAKRG	HARRR	RVMG	IY
UniRef90_S3GE4	LAKKGG	LASRR	LAFAR	QL
UniRef90_S6ABA4	LAKKGG	LASRR	MAFAR	QL
UniRef90_A8SNA7	LAKKGG	HARRR	QALAY	YI
UniRef90_UPI0003B53727	KAKRGG	HARRR	QVLT	VV
UniRef90_UPI0002E6F7AF	LAKRGG	HARRR	QVLA	QI
UniRef90_F8EAJ3	RAKED	TSNR	RVFS	YL
UniRef90_C4XLK4	LAKTDS	HARRR	MAFY	VL
UniRef90_J0K2L0	LAKVD	TSNR	LAFNR	LV

QUERY
 UniRef90_E6W738
 UniRef90_UPI00037B7405
 UniRef90_UPI000382678C
 UniRef90_B1MG98
 UniRef90_A7HW76
 UniRef90_A6W5W6
 UniRef90_UPI0002DA0BC3
 UniRef90_D2PU51
 UniRef90_D5UWG6
 UniRef90_UPI0002E45E0E
 UniRef90_UPI00031BC5A6
 UniRef90_UPI00045E7748
 UniRef90_UPI0003748EFF
 UniRef90_A8TZ14
 UniRef90_C7R8M0
 UniRef90_Q749B4
 UniRef90_A0P854
 UniRef90_W1TX16
 UniRef90_W7U3L1
 UniRef90_G8SH58
 UniRef90_UPI00034AD48D
 UniRef90_M2WGM5
 UniRef90_E4RJ91
 UniRef90_W2END3
 UniRef90_Q488Y7
 UniRef90_S5ZR05
 UniRef90_B0KCM9
 UniRef90_UPI0003B37466
 UniRef90_UPI00028960CF
 UniRef90_H6SSJ4
 UniRef90_D4H3B6
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 UniRef90_A4BT22
 UniRef90_K2M2J2
 UniRef90_Q6AP42
 UniRef90_E5XKM5
 UniRef90_UPI0003B470E0
 UniRef90_UPI00047D2594
 UniRef90_D1KAU1
 UniRef90_A0LIL8
 UniRef90_I2GQQ2
 UniRef90_V4NNV6
 UniRef90_H8Z346
 UniRef90_B6J5F8
 UniRef90_UPI00030542EA
 UniRef90_UPI0003B63263
 UniRef90_Q2N9D8
 UniRef90_V4R3L5
 UniRef90_UPI00035ED42B
 UniRef90_UPI00037E61FA
 UniRef90_I1GLP7
 UniRef90_J0DFS3
 UniRef90_UPI0003688405
 UniRef90_W0B802
 UniRef90_S7TC38
 UniRef90_E0RQI7
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 F R H G D S A P M A V I E E F V D
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UniRef90_C5CC35	S	A	H	H	R	R	I	M	L	M	L	M	S	A	Q	L	F	E	H	H	K	S	I	T	T	T	T	T	R	A	K	E	E	T	R	R	P	Y	A	E	R	K	M	I	T	T		
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UniRef90_I4AN47	S	S	H	H	R	K	A	M	L	S	N	M	A	T	S	L	I	L	H	H	K	R	I	Q	T	T	T	T	A	K	A	K	E	L	R	R	K	Y	V	E	P	L	I	T	T			
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UniRef90_E3BBG0	S	H	H	R	L	I	M	A	N	M	A	T	Q	L	F	F	T	H	H	E	R	I	T	T	T	T	E	A	K	A	K	E	L	R	R	L	Q	P	Y	A	E	R	L	I	T	T		
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UniRef90_E6SKX2	T	D	Q	R	Q	A	M	V	R	S	L	V	T	S	L	F	I	H	H	G	R	I	E	T	T	E	T	R	A	K	E	A	Q	R	R	L	A	E	H	L	I	T	T	T				
UniRef90_B8IYL8	A	H	H	R	K	A	M	L	H	L	A	K	A	L	L	F	A	H	H	E	R	I	V	R	T	T	T	E	T	R	A	K	E	L	R	R	V	V	E	K	L	V	T	T				
UniRef90_X4QY17	S	H	H	R	K	L	I	A	N	L	C	A	K	L	L	I	M	H	E	S	I	V	V	T	T	T	E	A	K	A	K	E	L	R	P	H	I	E	K	L	V	T	T					
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UniRef90_F9MT75	T	A	H	H	R	K	A	M	L	R	N	L	T	D	V	L	A	E	G	R	I	V	T	T	T	V	T	R	A	K	E	T	R	R	L	V	A	E	K	M	I	T	T	T				
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UniRef90_F7XY65	S	H	H	R	K	A	M	F	R	N	M	A	K	S	L	V	H	H	E	L	I	V	K	T	T	T	E	A	K	A	K	E	L	R	R	V	V	E	P	L	I	T	T	T				
UniRef90_A0A013VRB1	T	G	H	H	R	N	A	L	L	R	N	L	A	A	S	L	I	K	H	E	Q	I	V	M	T	G	T	V	K	A	K	E	L	R	P	Y	V	E	E	K	L	V	T	T				
UniRef90_R5QAS0	S	A	H	H	R	A	A	M	L	R	N	M	A	C	L	L	I	T	H	E	A	I	V	R	T	T	L	P	K	A	K	E	L	R	R	S	V	V	E	K	L	V	T	T				
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UniRef90_E4U9F6	S	D	H	H	R	A	M	F	R	N	M	A	T	S	E	L	L	R	H	G	R	I	V	R	T	T	T	I	P	K	A	K	E	L	R	R	F	V	E	P	L	I	T	T	T			
UniRef90_U2RU71	A	S	H	H	Q	R	I	L	A	N	L	A	S	Q	L	F	E	H	H	G	R	I	V	E	T	T	T	V	T	R	A	K	E	V	Q	P	L	A	E	T	L	V	G	T	T			
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UniRef90_E4TBZ2	A	S	H	H	R	K	A	M	L	S	N	M	A	C	L	L	I	E	H	H	K	R	I	N	T	T	V	A	K	A	K	E	L	R	Q	V	Y	V	E	P	L	I	T	T	T			
UniRef90_F8E9C7	T	P	H	R	Y	A	M	L	R	N	M	A	K	S	L	V	E	H	H	G	R	I	V	E	T	T	V	D	R	A	K	T	L	R	Q	F	V	E	P	L	I	T	T	T				
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UniRef90_E3EYP8	H	H	R	K	A	M	F	A	N	M	A	G	S	L	T	E	H	E	K	R	I	V	K	T	T	V	P	K	A	K	E	L	R	K	R	V	I	D	K	L	V	T	T					
UniRef90_Q11QD9	H	H	R	K	A	L	S	N	M	A	S	L	L	L	L	L	L	H	K	R	I	V	K	T	T	T	V	P	K	A	K	E	L	R	K	Y	V	E	P	L	I	T	T	T				
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L L G K R G D L H A N R R R Q A A A F V L R D E D M V K K L F F D D I L A P P R Y F A E R H G G G
I A K E D T V L A N R R R L A F K K L R N N K E A V V Q K K L F F T D V I A P P K Y F K D R N N G G G
L L A K R G D L H A R R R Q A A A E V R R D E V A V V R K K L F F D D V I A P P R F Y K A E R N N G G G
K A K A G D L H R R R R Q V L A F L R D E D A T T K L F F S T E L A G P P R R Y Q N R R T S G G G
L L A K H D N I A N R R R L V F A K I R S N E I V S K K L F F F R E L L G P P R Y F R N R T S G G G
K A K V D T L H A N R R R E L S K F I H S D K Y L L N K K L F F T T K I A G P P V F R Q R T S G G G
K A K D G S T A H A R R R Q A G K Y V R S T R P E L V Q K L F F T T L L A E R Y Y T D D R P Q G G G
F G K K G D L A S R R R Q A Q A K V V R D V E I L V Q K L F F G E I L A P P R Y K T D R P Q G G G
L L G K K G D L S S F R Q A A L S F L Y D K E V A D K V L F F S E L S A T K R Y A E R P P G G G
K S K N D N M H S R R R V V F S Y L V G G K E A V T E L F F K E V A P K K I V N D R A P P G G G
L L G K E G T L A K R R R A G S F V R G G D D I V Y K L F F T E F A Y R Y K N D R A N G G G
K A K V G D F N A H R V V F A S I Q D K V A T K K L V E E I A P P K Y K D D Q R A N G G G
L L G K K G D L S A R R R L A Y A K K L H N K D A V R T F F K E L A P P R Y K S N R S P S G G G
L L S K I D T V A H R R R L L F S R I R N N E V I A K K L F F K K I L F Y N R S P S G G G
W G K R G D L H A R R R L T V R Q V G S R T V V A K R V L F D E L G A P P R Y Q N R S P S G G G
K A K E K D S L S N R R R E V F M K A R I H S N E I V A K K L F F N K I A G P P V Y T K S R P P G G G
K A K T D N I S N R R R L V F A K I H N N E I V A K K L F F N K I A G P P V Y T K S R P P G G G
K S K A A N T H A N R R R L V F K Y L R D K Y A V T E L F F S T E L A G P P V A D K V A D D R P P G G G
A G K A G D L N A H R R Y F A Y L Q D K V A T K K L V T G P Y S A T R Y A H R P P G G G
L L G K K N T L H A R R K M A E Q F L N P K D T L P L L F F E E V I A P P R Y A D G R P P G G G
K A K K G D L H A R R R Q V L Q V I T D K G I V H T L L F T E E I A P P R Y A E N R P P G G G
L L A K K R N D L H A R R R Q V A L S I L V D D E T I T K K L F F E E E V I A P P R Y E A D G R P P G G G
K A K S G T V A D R R R L V M K H L P Q K D V V N Y L L F D E L A P P K Y E N R A P P G G G
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L L G K R G D L H A R R R Q A A A F V R T Q D D A I Q K L F F A D V A P P R Y F A E R D R Q Q G G G
L L A K K G D L S A R R R Q V L A F L V D E D A T K K L F F D T I A P P R Y A Q D E R E R Q G G G
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L L G K R D T L H A T R R R Q A A Q V Y I Y S K N L V S K K L F F G E I A V A S K E D R N G G G
L L G K K N T L H A T R R R Q A A Q V Y I Y S K N L V S K K L F F G E I A V A S K E D R N G G G
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L L A K D G S L A S R R R Q A L G F Y I Y D K K L V H V L F F A Q A P P E R Y G N R P P G G G
L L A K D G A L H A K R R Q A L G F Y I Y D K K V V H A A F F A E V P R D R Y G D R P P G G G
L L G K K N T L A S R R R Q A L A F I T K E S V V K K L F F D E I A P P K Y A D D R N G G G
K A K N D S T H A N R R R V V F S Y L Q N E D V I K E L F F D M I V G S P K I G D R N P P G G G
L L A K R G D L H A R R R Q A A E V I Q N E D V I K K L F F D M I V G S P K I G D R N P P G G G
L L A K R G D L H A R R R Q V A A F V R P E T A N Q K L F F A E I A S P R R Y F A E R Q Q G G G
S G K K G D L H A R R R Q A A A F I R H E Y A L Q K L F F D D V L A P P R Y A E R D D G G G
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L L G K K G D L A S R R R R A A A F V M N V V A D Q E L F R T T I A P P R F A E R N P P G G G
K S K D D S T H S R R R V V F S Y L K N K E A V A E L F R T T I A P P K I A D R N P P G G G
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L L G K Q G D L A A R R R H A M S Y L M E E D V V T K L F F E T I A P P K Y A D R D Q G G G
K A K K G T L A D R R R A V A A E L P S E K E I V A H L F F N D L A P P Q F A N R D Q G G G
L L G K R G D L H A R R R Q A A Q V I R N Q D A V Q K L F F D D I A P P R Y E E R D Q G G G
K A K K D A L H L R R R L A Q S D V R D E T A V T K L F F N E T Y K E R F A N R D Q G G G
W G K E G D L H A R R R K A A A V V R G D D V L Q K V F F T E I A P P K Y K D R N D G G G
L L A K D N T L A S Y R Q A A L S Y I T K E D V A N K L F F K E I I G S P K Y A D R A N G G G
L L G K R G D L H A R R R Q A L A V V R D K K V V A K L F F D T L G P Q E Y K E R A G G G
M A L Q D T L H A R R R Q A F T V V G S H H S V K K L F F D E I G P P R F K E V P G G G
R S R V D S V H A N R R M I A R D I K D K A V L A K L F F T D I A P P R Y L E R D P P G G G
R A K T D T V A N R R R L V N R T I T D R G V V H L L F F T E I A P P R F M E Q E R P P G G G
I A K K N D H E A W I K A S N V F Q P K T T L T K V F F D E L A P P L F M Q E R P P G G G
L L G K R G D L H A R R R Q A L S Y I Y D K R V V D K L F F N E I A P P K Y E N R D G G G
L L A K K G D L A S R R R R A L A F I R D K G L V K K L F F T Q L R A K Y L D R A N G G G
K A R T N D S M A H R R L V F S H L Q H K E S V K K L F F K E I V K E R Y V G K A G G G
L L A K R G G L S N V R L A A R T V K D R T V L Q K V F F S E Y K E R Y A S R N P P G G G
L L S K N D T V A N R R R L A F K K L R D T D A M V N K L F F T E L A P P K Y F K E R N P P G G G
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L L A K D G S L H A R R R Q A I G F L Y D K E L V A N L F F E N A P D R Y A E R P P G G G
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L L G K R G D L H A R R R Q A A A F I R R E F A L Q K L F F D D V A P P R Y A E R Q Q G G G
L L G K R G G L S A R R R Q A A S F L R G D K D L A A K M G P L A E R Y K T R A N G G G
L L A K K G D L A S R R R Q A A F L R N E I A D H R F G D V Y P P R Y A D R K R K G G G
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L L G K R G D L H A R R R Q A A S F I R N E N A V Q K L F F D E V G S Q R Y A E R P P G G G
R A K E D T V H A N R R L V A R R L F D E S M V T K L F T N L A L R M K D R H G G G

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UniRef90_S8CGP9	Y T R I I R T M P	R R G D N A P M A F I	E L V
UniRef90_R5PVF9	Y T A I Y K L G P	R R R G D A A E M A L I	K L I
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UniRef90_C1E1J6	F T R V L Q I L G Q	R K S D S A M A Y I	E Y V D
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L G K R G D L H A R R R Q A L A F I T E E S V T E L V F D T L A T K Y A E R N N G G G
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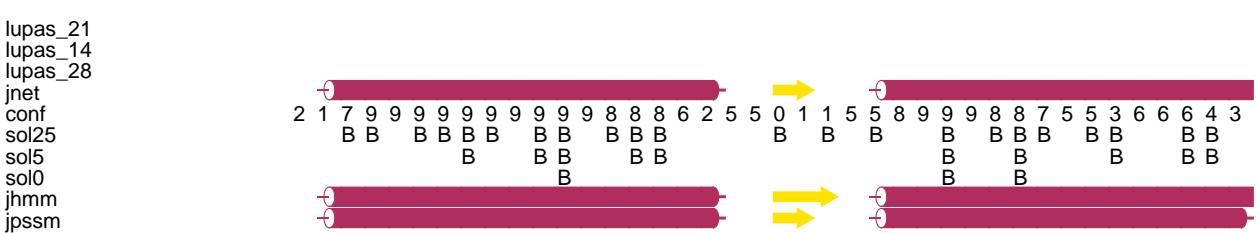
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D A L H R N D K N R A L N F L Q P P E K D F E V S K I I Q E L A P R Y Q Q R S G G G
I S K N Y S N F N F K F L Y K K I K N I D T I F K L F K I I G P R Y V F K N G G G
L A N K D K M N A R E T W K Y L F T K E S S L E L F N N V A P K Y S D K K G G G
Y A K K H D N Y A Y R L I A N Y V Y D R E L A L N V V K Q A P V R Y K E R H G G G
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