

QUERY	1	10	20	30	40
UniRef90_A0Y912	MKKKYTCITV	GWVYDPEAKGDD	PESSGILNPGTDRWE	DVDDDWV	C
UniRef90_F0T0E3	MKKKYECITV	GWVYDPEAKGDD	PESSGILNPGTDRWE	DVDDDWV	C
UniRef90_UPI0002556EE4	MKKKWLCTVV	GLIYDPEAEGW	PKDGGI	EAGTAFEALDV	C
UniRef90_UPI0003B3D42D	MQKKYVCTV	GWVYDPEVGD	PDSSGILNPGTAFE	DI	C
UniRef90_F6CLH1	MDKKYVCTV	GWVYDPEVGD	PDSSGILNPGTAFE	DI	C
UniRef90_F2LTY8	MKKKYRCLV	GLIYDPEQLG	DEENDI	PNTPFEEDL	C
UniRef90_X1SC10	MAKYECTV	GWVYDPEKGD	PDSSGILNPGTSFEEL	DI	C
UniRef90_F7VG52	RTYICTV	GWVYDPEAKGDD	PDSSGILNPGTRFE	DI	C
UniRef90_K0CH85	KQYICTLA	GLIYDPEEKGDD	PDSSGILNPGTRFE	DI	C
UniRef90_C8W1M1	DKYEENLV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_UPI0002558844	MKKKWLCTVV	GLIYDPEAKGW	PDSSGILNPGTAFE	DI	C
UniRef90_D8GIT5	KYEECTV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_UPI0002558DF1	FRVWEQCITV	GWVYDPEAKGS	PDSSGILNPGTRWE	DV	C
UniRef90_E6MK81	YVCSV	GWVYDPEAKGDD	PDSSGILNPGTAFE	DI	C
UniRef90_X8GSB0	QYRCTIP	GLIYDPEKGD	PDSSGILNPGTAFE	DI	C
UniRef90_A0B8K0	KYRCTIP	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_H3NSA6	MAQWECTV	GLIYDPEKGD	PDSSGILNPGTKWA	DI	C
UniRef90_A5N108	KYQCSV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_X1GBA6	MKKKYICTDV	GWVYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_W0DS01	MKKKYICTKT	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_X1IPX7	MGKYRCTV	GWVYDPEKGD	PDSSGILNPGTSFEEL	DI	C
UniRef90_C6PY51	KYKCTV	GLIYDPEVGD	PDSSGILNPGTAFE	DI	C
UniRef90_UPI00037256E0	RQFLCTRA	GLIYDPEKGD	PDSSGILNPGTRFE	DI	C
UniRef90_B7JUM2	RKWICTKV	GLIYDPEVGD	PDSSGILNPGTAFE	DI	C
UniRef90_UPI000365D42C	QTYICTHA	GLIYDPEALGD	PDSSGILNPGTRFE	DI	C
UniRef90_T1XA25	FRQYICTRA	GLIYDPEATGD	PDSSGILNPGTRFE	DI	C
UniRef90_UPI00035FD25E	RVWEQCQN	GLIYDPEAKGW	PDSSGILNPGTRFE	DI	C
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UniRef90_UPI000345564E	RQFLCTRA	GLIYDPEAGD	PDSSGILNPGTRFE	DI	C
UniRef90_L0HIQ3	MTTWRCSV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_F3L5F9	MARWECTV	GLVYDPEAGW	PDSSGILNPGTAFE	DI	C
UniRef90_F8J6G1	KRFICTRV	GLIYDPEAGD	PDSSGILNPGTRFE	DI	C
UniRef90_UPI00037D382C	MKKKYICTV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
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UniRef90_R6VK47	MKKKYACTA	GLIYDPEKGD	PDSSGILNPGTAFE	DI	C
UniRef90_B8GIH9	MTAWRCTI	GLIYDPEKGD	PDSSGILNPGTAFE	DI	C
UniRef90_R8W3V1	KTIVCGG	GLIYDPEVGD	PDSSGILNPGTAFE	DI	C
UniRef90_X5D7L4	YSCTI	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
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UniRef90_A5GT23	WICTKV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
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UniRef90_K1X4Z8	KYICTIP	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
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UniRef90_C5CHX4	MKKYRCKV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_C0D435	MKKYVCSI	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_R8AVN1	RKMICTQI	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
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UniRef90_R9LPW6	MVCTDG	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_G7M438	KHYVCTNG	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_R5CER0	MKKKYRCKV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_A5JJC8	MKKKYRCKL	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_F8VG55	MVIRMCKV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
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UniRef90_E3GLY5	YICTGG	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
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UniRef90_F2LMX9	FRQFVCTLI	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
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UniRef90_E4L041	KVMVCTPG	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
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UniRef90_J1ARY3	MDRYQCMV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_L8M9S9	MKKKYICTNV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
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UniRef90_F8AEI5	MAKWRCTV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_Q29381	MAKYQCTI	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_A5GBH8	MESYVCTI	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_X1FJ14	KWKCTVV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
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UniRef90_U6EXV7	MDKKYVCTNV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_C6PY9	MKKKYVCTSV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_F8AD99	MKKKYQCTNV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_G4KV56	MKKKYRCTIP	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
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UniRef90_S4XM44	MKKKYRCTLV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
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UniRef90_S6C7L1	MDKKYICTDI	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
UniRef90_B8D0Q8	MDKKYECTQV	GLIYDPEAGD	PDSSGILNPGTAFE	DI	C
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50
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UniRef90_F0T0E3 V C G V D K S Q F Q P V D
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UniRef90_C0FN15		M	K	K	Y	V	C	L	G	C	G	G	Y	E	Y	D	P	A	L	G	D	P	D	A	E	I	V	V	V	A	P	G	T	L	F	E	K	L	P	E	D	W	V	C	P			
UniRef90_F4GLV8		M	K	K	Y	V	C	D	L	C	G	G	Y	E	Y	D	P	A	L	G	D	P	D	G	G	I	V	V	V	A	P	G	T	A	F	A	D	L	P	E	D	W	V	C	P			
UniRef90_D1VSL0		M	K	K	Y	M	V	C	P	G	C	G	G	Y	E	Y	D	P	D	L	G	D	P	N	G	E	I	V	V	V	A	P	G	T	E	F	E	R	L	P	D	D	W	S	C	P		
UniRef90_F8F3M9		M	K	K	Y	V	C	D	V	C	G	G	Y	I	Y	D	P	A	E	G	D	K	D	G	G	I	V	V	V	D	P	G	T	P	F	F	E	S	L	P	A	D	W	V	C	P		
UniRef90_Q1Q0B6		M	E	R	Y	K	C	I	I	C	G	G	Y	I	Y	D	P	A	K	F	G	D	P	H	G	I	V	V	V	N	P	G	T	S	F	Q	N	L	P	D	D	W	V	C	P			
UniRef90_M7NYC1		M	K	Q	W	Q	C	S	V	C	G	G	F	I	Y	D	E	A	K	G	L	P	E	E	G	I	V	V	V	A	P	G	T	R	W	D	V	L	P	D	D	W	V	C	P			
UniRef90_Q1NKC4		M	K	K	Y	E	C	D	I	C	G	G	Y	I	Y	D	P	A	S	G	D	Q	D	N	G	I	V	V	V	A	P	G	T	S	F	D	D	L	P	E	S	W	T	C	P			
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UniRef90_N1ZDC2		M	K	K	Y	E	C	E	V	C	G	G	Y	I	Y	D	P	A	V	G	D	P	E	H	N	I	V	V	V	A	P	G	T	P	F	S	Q	L	P	E	D	W	V	C	P			
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UniRef90_B2IUM4		M	A	K	Y	I	C	T	V	C	G	G	Y	E	Y	D	P	E	F	G	D	P	D	S	D	I	V	V	V	V	A	P	G	T	A	F	E	D	L	P	E	D	W	V	C	P		
UniRef90_H5XYV9		M	K	K	I	K	C	T	I	C	G	G	Y	T	Y	D	E	A	A	G	L	P	E	K	G	I	V	V	V	V	A	P	G	T	K	W	E	D	L	P	H	D	F	T	C	P		
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T C G A A K S F F

	1	10	20	30	40																																						
UniRef90_H8FMJ8	M	T	R	Y	I	C	S	V	C	G	F	V	Y	D	P	A	I	G	L	P	D	E	G	I	P	P	G	T	P	F	E	S	L	P	D	D	W	I	C	P			
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UniRef90_Q0VTA9	M	K	K	W	E	C	V	V	C	G	F	I	Y	D	E	A	E	G	L	P	D	D	E	G	I	P	A	G	T	A	W	N	N	V	V	P	E	D	W	V	P		
UniRef90_G7V5G8	M	Q	K	Y	I	C	S	V	C	G	Y	Y	D	P	E	A	G	D	P	D	D	N	G	V	E	N	P	G	T	P	F	E	D	I	V	P	E	E	W	V	P		
UniRef90_R5G7H2	M	Q	K	Y	I	C	E	P	C	G	Y	Y	D	P	E	A	G	D	E	D	D	G	G	I	E	N	P	G	T	P	F	E	D	I	V	P	E	E	W	V	P		
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UniRef90_UPI0002E773BC	M	K	K	Y	K	C	E	V	C	G	Y	Y	D	P	Q	E	L	G	D	P	D	N	G	I	E	P	P	G	T	A	F	E	D	I	V	P	E	D	W	V	P		
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UniRef90_D8K9E4	M	K	R	Y	M	I	I	C	G	F	I	Y	D	E	A	E	G	W	P	E	D	E	G	I	A	P	P	G	T	K	W	E	D	V	P	E	T	W	L	P			
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UniRef90_C6VXE3			H	Q	C	C	P	D	C	M	T	I	Y	D	P	E	F	L	G	D	I	L	G	D	I	P	P	P	G	T	A	F	E	D	I	V	P	A	A	Y	C	P	
UniRef90_L1MJZ9	M	Q	K	Y	I	C	E	P	C	G	Y	Y	D	P	A	E	G	D	P	D	S	G	I	E	A	P	P	G	T	A	F	E	D	I	V	P	E	D	W	C	P		
UniRef90_W1P381			Y	E	R	C	G	S	C	G	Y	Y	D	E	N	L	G	D	P	S	Y	P	V	P	P	P	P	G	M	P	F	S	K	L	P	D	D	W	R	C	P		
UniRef90_D8HXC8			R	C	G	C	G	Y	Y	D	P	Q	E	L	G	D	P	R	E	G	F	P	P	P	P	P	P	P	G	T	P	W	A	A	I	P	D	S	W	C	P		
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UniRef90_UPI00035F996B			W	I	C	V	R	C	G	M	I	Y	D	P	A	D	G	D	P	D	S	G	I	E	A	P	P	G	T	A	F	E	D	I	V	P	D	N	W	V	P		
UniRef90_A9M4J1	M	A	Q	Y	M	C	G	P	C	G	W	I	Y	D	E	E	L	G	D	P	E	H	G	I	A	P	P	G	T	K	F	E	D	I	V	P	D	D	W	K	P		
UniRef90_D5A0N9			D	R	Y	E	C	N	A	C	G	Y	Y	D	P	E	S	K	G	S	T	G	N	I	P	P	P	G	T	E	F	E	D	I	V	P	T	R	W	R	C	P	
UniRef90_B2A3S4	M	K	K	Y	V	C	T	V	C	G	W	V	Y	D	P	E	Q	G	D	P	D	N	G	V	K	P	P	G	T	A	F	E	D	I	V	P	E	D	W	V	P		
UniRef90_S0G4A5	M	D	K	Y	V	C	G	P	C	G	Y	Y	D	P	A	E	G	D	P	D	N	G	I	K	P	P	P	G	T	A	F	E	D	I	V	P	D	D	W	T	P		
UniRef90_K9W1Z9	M	A	T	Y	I	C	T	I	C	G	Y	Y	D	P	E	Q	G	D	P	D	S	G	I	E	P	P	P	G	T	A	F	E	D	I	V	P	E	D	W	V	P		
UniRef90_C1DK45	M	R	K	W	Q	C	I	V	C	G	F	V	Y	D	E	A	C	G	L	P	E	E	G	I	A	P	P	G	T	P	W	E	E	V	P	S	D	W	L	P			
UniRef90_E6MIQ6			R	Y	V	C	N	G	C	G	Y	E	Y	D	P	A	E	G	D	E	A	D	V	L	P	P	P	G	T	Q	F	A	D	L	P	E	D	W	V	P			
UniRef90_A1AK60	M	E	R	W	V	C	T	I	C	G	Y	V	Y	D	P	A	E	G	D	P	D	N	G	V	A	A	P	P	G	T	P	F	E	S	L	P	A	G	W	S	P		
UniRef90_R9REH5			Y	V	C	S	G	C	H	E	Y	N	D	L	G	D	E	D	S	D	I	K	P	P	P	P	P	G	T	R	F	K	D	L	P	E	D	W	T	P			
UniRef90_U2QD70	M	K	Q	Y	E	C	D	L	C	G	Y	V	Y	D	E	A	A	G	D	P	D	N	G	I	E	A	P	P	G	T	K	W	E	D	I	V	P	A	D	W	V	P	
UniRef90_U2FUK8			K	W	I	C	L	V	C	A	F	V	Y	D	P	V	E	J	G	D	P	D	S	G	I	E	P	P	G	T	P	F	A	D	I	P	D	D	W	E	P		
UniRef90_B4S7S9	M	D	K	W	V	C	G	P	C	G	Y	Y	D	P	E	Y	G	D	P	D	N	G	I	E	P	P	P	G	T	P	F	E	D	I	V	P	E	D	W	V	P		
UniRef90_H1PTM4	M	K	K	Y	I	C	E	V	C	G	Y	Y	D	P	A	V	G	D	V	D	H	G	I	K	A	P	P	G	T	S	F	N	D	L	P	E	D	W	T	P			
UniRef90_F8GXD8	F	K	V	W	Q	C	V	L	C	G	F	V	Y	D	E	A	M	G	M	P	E	E	G	I	E	A	P	P	G	T	R	W	A	D	I	P	D	D	W	M	P		
UniRef90_K1Z849	M	K	K	Y	S	C	N	V	C	G	Y	Y	D	P	T	V	G	D	P	D	S	G	I	E	P	P	P	G	T	S	F	E	S	L	P	E	N	W	V	P			
UniRef90_C0EJ88	M	A	K	W	V	C	S	V	C	G	F	V	Y	D	P	A	E	G	A	P	D	L	G	I	P	P	P	P	G	T	P	F	E	D	I	V	P	E	D	Y	V	P	
UniRef90_F4XMG0			Y	E	C	R	A	C	G	Y	Y	D	P	T	K	G	D	S	N	R	N	V	P	P	P	P	P	G	T	L	Y	K	D	L	P	D	D	W	R	C	P		
UniRef90_R6XR8R	M	A	K	Y	R	C	Q	L	C	H	I	Y	D	E	E	K								P	E	G	I	K	F	E	E	L	P	D	D	W	K	P					
UniRef90_E7NY31			Y	V	C	N	G	C	A	Y	E	Y	V	P	E	L	G	D	E	E	A	D	I	A	P	P	P	G	T	L	F	K	D	L	P	E	D	W	V	P			
UniRef90_D5EX71			K	Y	I	C	E	N	C	G	Y	Y	D	P	A	E	G	D	P	D	D	G	I	E	A	P	P	G	T	A	F	E	D	I	V	P	D	D	W	V	P		
UniRef90_U2F288	M	A	K	Y	V	C	T	V	C	G	Y	Y	D	E	A	A	G	A	P	D	E	G	I	A	A	P	P	G	T	K	W	A	D	V	P	D	D	F	V	P			
UniRef90_G6FNS4	M	E	K	Y	V	C	T	V	C	G	Y	Y	D	P	A	E	G	D	L	D	A	G	I	P	P	P	P	G	T	A	F	A	D	L	P	E	D	W	V	P			
UniRef90_T0D1L4	M	Q	K	Y	I	C	D	V	C	G	Y	Y	D	P	E	L	G	D	P	E	N	G	V	A	P	P	P	G	T	K	W	E	D	V	P	E	D	W	V	P			
UniRef90_UPI00036223ED	M	E	K	W	T	C	T	V	C	G	Y	Y	D	P	A	T	G	D	P	D	N	G	V	A	P	P	P	G	T	A	F	E	D	I	V	P	S	A	E	W	V	P	
UniRef90_S7VJ77			K	Y	V	C	N	I	C	G	Y	Y	D	P	A	N	G	D	P	D	N	N	V	A	A	P	P	P	G	T	K	F	E	D	I	V	P	E	D	W	T	P	
UniRef90_N9CUS6	M	K	K	Y	Q	C	I	V	C	G	W	I	Y	D	E	A	E	G	W	P	Q	D	G	I	V	P	P	P	G	T	K	W	D	I	P	D	D	W	V	P			
UniRef90_B2IJ36			E	C	K	I	C	I	C	W	H	V	Y	D	P	A	Q	G	C	E	T	W	Q	V	P	P	P	P	G	T	A	F	K	D	L	P	D	H	W	R	C	P	
UniRef90_B8GLE1	K	T	Y	Q	C	V	I	C	G	F	I	Y	D	E	S	K	G	L	P	D	E	G	I	P	P	P	P	P	G	T	R	W	D	V	P	A	D	W	T	P			
UniRef90_UPI0004744D09	M	E	K	Y	V	C	P	I																																			

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UniRef90_H8FMJ8 E C G V S K A D F S E L E D
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UniRef90_K7WZF6 V C G A E K T E F E L Y E E
UniRef90_I2F4C9 L C G A S K D D F E P I D
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UniRef90_B2A3S4 E C G V D K S M F E E
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UniRef90_K9W1Z9 V C K A T K E D F E
UniRef90_C1DK45 V C G A S K Q D F E M I E
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UniRef90_A1AK60 V C G A G K D A F E K
UniRef90_R9REH5 D C G D P K S
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UniRef90_U2FUK8 D C G V T K D D F E P M D
UniRef90_B4S7S9 V C G V D K T L F E K T E E
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UniRef90_E4U339 V C G V G K E D F S E L A D
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UniRef90_K9TTC4 V C A A A K E M F E P
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UniRef90_Q2LT54 S C G A A K S K F K
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UniRef90_C4G8Z8 V C G A S K D A F V V A D
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UniRef90_A3PLP1 H C G A P K N Q F M V L S D
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UniRef90_K0SL37 T C R A S K D Q F E E V V E
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UniRef90_R9J6H1 V C G I D K S M F Q P
UniRef90_F0Z078 V C G L G K D V F V E
UniRef90_R6EPW8 E C G E E K S N F I P S S E
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UniRef90_UPI00036D9308 V C G A P K K R F Q N I

UniRef90_I4B2H5	1	M	R	K	F	K	C	V	V	C	10	G	F	V	Y	D	E	A	Q	G	L	P	S	D	E	G	I	K	P	G	T	R	W	E	D	L	P	E	D	W	E	C	P	40		
UniRef90_K9YI16					Y	E	C	R	A	C		G	Y	T	Y	D	E	S	K	G	D	S	K	N	I	V	P	G	T	P	W	Q	E	D	L	P	E	D	W	E	C	P				
UniRef90_UPI0004685A39		M	K	K	W	Q	C	V	V	C		G	L	I	Y	D	E	S	K	G	D	P	D	E	N	I	V	P	G	T	P	W	Q	E	D	L	P	E	D	W	E	C	P			
UniRef90_G3EIL7				T	Y	A	C	P	N	C		G	Y	H	Y	D	E	A	L	G	D	P	R	E	G	F	V	P	G	T	P	W	Q	E	D	L	P	E	D	W	E	C	P			
UniRef90_Q2WZ17		M	D	K	W	L	C	T	V	C		G	Y	Y	Y	D	E	P	E	K	G	D	P	D	S	G	V	P	G	T	A	F	E	D	I	P	E	D	T	W	T	C	P			
UniRef90_Q0VKZ2		M	A	K	Y	Q	C	P	D	C		E	Y	I	Y	D	E	V	A	G	H	P	H	E	G	F	P	P	G	T	S	F	E	T	I	P	E	E	W	A	C	P				
UniRef90_R5S093				K	Y	E	C	L	R	C		G	W	I	Y	D	P	A	E	G	D	P	D	S	G	I	K	P	G	T	S	F	K	D	I	P	E	N	S	W	K	C	P			
UniRef90_R5AKP4				K	K	Y	V	C	E	V		E	W	V	Y	D	P	E	I	G	D	P	D	N	G	I	A	P	G	T	S	F	A	D	L	P	E	D	D	W	V	C	P			
UniRef90_U2EM38		M	K	K	W	Q	C	I	V	C		G	F	E	Y	D	E	A	E	G	M	P	D	E	G	I	E	P	G	T	K	W	E	A	I	P	E	D	D	W	T	C	P	40		
UniRef90_UPI00031120A3		M	E	K	Y	I	C	S	V	C		G	Y	E	Y	D	P	E	V	G	D	P	D	G	S	V	A	P	G	T	S	F	E	N	I	P	E	D	D	W	V	C	P			
UniRef90_W8TFF9				E	K	Y	V	C	L	A		G	Y	V	Y	D	P	E	V	G	D	P	D	S	G	V	A	P	G	T	A	F	E	D	I	P	E	D	D	W	V	C	P			
UniRef90_B0T5Z3		F	K	V	W	Q	C	R	T	C		G	Y	I	Y	D	E	A	Q	G	D	P	G	E	G	L	A	P	G	T	R	W	A	D	I	P	A	S	W	I	C	P				
UniRef90_F8BQN8						E	C	K	I	C		W	Y	S	Y	D	P	E	I	G	D	P	I	R	G	I	A	P	G	T	P	F	S	A	L	I	P	E	G	D	W	R	C	P		
UniRef90_R6Z9H8				K	Y	L	C	T	V	C		D	F	I	Y	D	P	E	I	G	D	P	E	R	G	I	E	P	G	T	Q	F	E	D	I	P	E	D	D	W	V	C	P			
UniRef90_F6D5R6		M	D	I	Y	K	C	S	I	C		G	Y	T	Y	D	P	E	V	G	D	S	R	R	G	I	N	P	G	T	P	F	E	E	L	P	E	D	N	W	S	C	P			
UniRef90_V4J9R2		M	D	K	W	V	C	K	L	C		G	Y	V	Y	D	P	A	E	G	D	P	G	S	G	V	A	P	G	T	A	W	D	D	V	P	E	D	S	W	A	C	P			
UniRef90_J0B9P9		F	K	V	W	Q	C	V	L	C		A	Y	V	Y	D	E	A	L	G	D	P	D	G	G	I	A	P	G	T	R	W	E	D	V	P	E	D	D	W	M	C	P			
UniRef90_K2BNM1		M	K	R	Y	M	C	L	I	C		G	L	I	Y	D	E	S	L	G	W	P	D	E	G	I	A	P	P	R	T	R	W	E	D	V	P	T	N	W	Q	C	P			
UniRef90_UPI000476B96F		M	R	T	W	M	C	L	I	C		G	W	V	Y	D	E	A	T	G	A	P	D	E	G	L	A	P	G	T	R	W	E	D	I	P	E	D	D	W	I	C	P			
UniRef90_K9S3U3		L	D	R	Y	E	C	R	A	C		G	Y	T	Y	D	E	T	K	G	D	D	R	A	Q	I	A	P	G	T	L	F	A	E	L	P	E	A	T	W	R	C	P			
UniRef90_A0A017TE74			K	K	Y	R	C	T	V	C		E	F	I	Y	D	P	A	I	G	D	A	D	S	G	I	A	P	G	T	R	F	E	D	I	P	E	D	T	W	Y	C	P			
UniRef90_Q5P8G0				M	R	C	R	T	C		G	W	V	Y	D	P	A	K	G	N	S	G	Q	G	V	H	A	P	G	T	P	W	S	E	V	P	E	D	T	F	L	C	P			
UniRef90_U7G3V1				R	H	R	C	T	N	C		G	Y	I	Y	D	E	I	H	G	N	P	S	E	G	F	V	P	G	T	A	W	K	A	I	P	A	E	W	S	C	P				
UniRef90_A9DE48						V	C	T	V	C		Q	W	V	Y	D	P	A	L	G	E	P	S	N	Q	D	V	A	P	G	T	E	W	Q	D	V	P	E	D	Y	F	L	C	P		
UniRef90_R6QGWB1		M	K	K	Y	L	C	E	P	C		G	Y	E	Y	D	P	A	E	G	D	P	S	Q	G	I	A	P	G	T	A	F	E	D	I	P	E	D	D	W	V	C	P			
UniRef90_K6GJ07			R	K	Y	E	C	V	I	C		G	Y	I	Y	D	E	A	E	L	G	D	P	D	G	L	A	P	G	T	L	W	E	D	I	P	E	D	D	W	T	C	P			
UniRef90_H1AV81			R	H	V	C	N	G	C		G	Y	E	Y	D	Q	M	L	G	D	P	E	N	D	I	A	P	G	T	P	F	E	K	L	I	P	E	E	W	I	C	P				
UniRef90_UPI0003F6DDE4				K	Y	L	C	T	A	C		D	Y	V	Y	D	S	E	L	G	D	P	D	S	G	I	A	P	G	T	P	F	E	D	I	P	E	D	W	V	C	P				
UniRef90_K9S805					M	C	T	I	C		N	H	I	Y	N	P	A	E	G	D	P	D	T	G	I	A	P	G	T	A	F	E	D	I	P	E	D	W	T	C	P					
UniRef90_UPI0003816E25		F	K	K	Y	R	C	S	V	C		N	H	I	Y	D	E	A	E	G	D	F	D	T	G	I	A	P	G	T	R	F	E	D	I	P	E	D	D	W	R	C	P			
UniRef90_U1H9U4		M	A	K	Y	C	P	G	C		K	Y	T	Y	D	E	T	L	G	H	P	H	E	G	F	P	A	G	T	A	W	A	N	V	P	E	D	E	W	A	C	P				
UniRef90_E0NYB6		M	K	T	W	V	C	S	V	C		G	W	V	Y	D	E	A	K	G	D	P	D	Y	D	L	A	P	G	V	A	F	D	D	L	P	E	D	D	F	V	C	P			
UniRef90_I5AUH9		M	A	K	W	K	C	T	V	C		G	H	I	Y	D	E	E	L								E	G	V	K	F	E	D	L	P	E	D	D	W	K	C	P				
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UniRef90_C8VZY0	M	E	K	W	E	C	D	V	C	C	G	Y	V	Y	D	P	A	E	G	A	D	D			V	E	P	G	T	A	F	E	N	L	P	E	D	W	V	C	P			
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UniRef90_L7LCJ3			Y	A	C	P	N	C	C	C	A	Y	G	Y	D	E	V	A	G	A	P	R	E	G	F	P	A	G	T	A	W	A	D	I	P	D	D	W	P	C	P			
UniRef90_F6BB97	M	D	K	Y	Q	C	M	C	C	C	G	W	I	Y	D	P	E	V	G	A	P	S	Q	N	I	K	P	G	T	P	F	E	A	L	P	D	T	F	T	C	P			
UniRef90_F9ZYK7	F	R	K	Y	K	C	K	T	C	C	G	H	I	Y	D	E	Q	L	G	D	P	R	N	G	V	A	P	G	T	R	W	E	D	V	P	E	D	W	G	C	P			
UniRef90_C8VW62	M	E	K	W	V	C	N	V	C	C	G	Y	V	Y	D	P	A	E	G						A	N	G	V	T	P	G	T	P	F	E	E	L	P	E	D	W	V	C	P
UniRef90_D4DXT7	L	K	S	W	R	C	A	L	C	C	C	G	L	E	Y	H	E	N	D	G	W	P	T	D	G	I	L	S	P	G	T	R	W	A	E	V	P	E	A	W	V	C	P	
UniRef90_F4XDC6	M	D	K	Y	V	C	P	C	C	C	C	G	Y	V	Y	D	P	A	V	G	D	P	D	N	G	V	A	P	G	T	P	W	E	Q	V	A	E	D	W	V	C	P		
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UniRef90_M2WCU0	F	R	R	F	Q	C	V	Q	C	C	C	G	F	V	Y	D	E	E	L	G	W	P	D	E	G	I	L	S	P	G	T	A	W	S	D	I	P	D	D	W	C	P		
UniRef90_UPI0004796C7B			H	Q	C	R	H	C	C	C	F	T	I	Y	D	E	S	F	G	D	P	E	N	G	A	A	P	G	T	T	F	E	S	D	I	P	E	D	D	Y	H	C	P	
UniRef90_H0QVB2	M	A	T	Y	Q	C	P	V	C	C	C	D	Y	I	Y	D	E	A	K	G	A	P	R	E	G	F	A	A	G	T	S	W	S	D	I	P	D	D	W	T	C	P		
UniRef90_R7F0U9	M	K	K	Y	R	C	K	I	C	C	C	G	F	I	Y	D	D	A	T	Q	D					V	K	F	E	E	L	P	D	D	W	K	C	P						
UniRef90_K9SJB6		R	F	E	C	K	S	C	C	C	C	W	Y	V	Y	D	E	P	E	K	G	E	P	R	K	G	V	D	G	G	T	P	F	A	Q	L	A	P	N	W	R	C	P	
UniRef90_UPI00036F2DFD		K	L	E	C	K	I	C	C	C	C	W	Y	V	Y	D	P	A	E	K	G	E	Y	W	H	I	D	P	G	G	T	P	F	S	E	L	P	D	Q	W	R	C	P	
UniRef90_B8FDY3	M	D	K	Y	E	C	P	V	C	C	C	G	Y	V	Y	D	P	E	L	G	D	P	E	R	H	V	P	P	E	T	A	F	E	D	L	P	D	D	W	V	C	P		
UniRef90_U2EUB6	M	A	K	Y	R	C	S	V	C	C	C	G	Y	I	Y	D	E	D	E	G						E	G	R	P	F	A	Q	L	A	P	E	E	G	W	R	C	P		
UniRef90_I0KDW8			H	Q	C	P	H	C	C	C	L	T	V	Y	D	E	A	A	Y	G	D	G	L	N	D	I	P	P	G	T	A	F	A	D	L	P	D	T	Y	A	C	P		
UniRef90_C1DTK7		K	Y	R	C	R	V	C	C	C	C	G	Y	V	Y	D	P	A	E	K	G	D	E	I	N	L	I	S	P	G	V	E	F	V	D	L	P	D	K	W	R	C	P	
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UniRef90_A1BGR5			Y	E	C	A	L	C	C	C	C	S	Y	A	Y	D	E	S	K						E	G	V	L	W	Q	D	L	P	P	E	E	W	K	C	P				
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UniRef90_K9UP45	D	R	F	E	C	R	A	C	C	C	C	G	Y	T	Y	D	P	N	K	G	D	P	K	N	K	I	L	A	G	T	P	F	T	V	L	P	V	T	W	K	C	P		
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UniRef90_E2SDL9		Q	Y	V	C	P	N	C	C	C	C	E	Y	Y	D	E	A	V	G	D	P	R	E	G	W	I	L	A	P	G	T	P	F	D	E	L	P	D	D	W	T	C	P	
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A C S R G K E Q F K R M G E
I C K A N K T H L K P I K E

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UniRef90_V6JBB9																																											
UniRef90_A4J8P1				K	K	Y	E	C	C	G	Y	V	Y	D	P	S	Q	G	D	P	E	H	G	I	K	P	G	T	V	F	E</												

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UniRef90_U2D8U5			K	G	W	R	C	T	V			G	Y	I	L	E	S																	
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UniRef90_L0F8W3			K	W	K	C	L	V				G	Y	I	H			E	G	D														
UniRef90_Q6ANT5	M	K	R	W	K	C	S	V				G	Y	V	Y			E	G	D														
UniRef90_E8RH61	M	K	K	W	E	C	T	V				G	Y	I	H			E	G	D														
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UniRef90_A9NL96			A	T	H	I	C	L	D			G	Y	I	Y	T	L	T	K															
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UniRef90_M2XZD0			Y	Q	C	Q	N					G	Y	T	I	F	P	A																
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UniRef90_R7GAB3			Q	Y	M	C	S	I				G	Y	V	Y	D																		
UniRef90_R7EY06	M	T	K	W	I	C	T	V				G	Y	I				A	E	G														
UniRef90_R5WP15	M	A	K	W	V	C	N	V				G	Y	V	Y	E	G																	
UniRef90_F4LU34	M	S	K	W	Q	C	G	V				G	Y	I	F	D	G																	

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