QUERY	1 VASYDYLVI	10 20 30 40 G G G S G G L A S A R R A A E L G A R A A V V E S H K L G G T
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UniRef90_J5T5F0 UniRef90_A0Z2L0 UniRef90_E0UCH9	E Y D F V D F D L F V D F D L F V	G
UniRef90_UPI00041F9A40 UniRef90_L8LTI3 UniRef90_Q87XC9	MSQYDVFVI DFDLFVI DFDLYVI	G
UniRef90_G0IW21 UniRef90_A6FKU8	Y D L Î V I D Y D L F V I M A S F D V I I I	G G G S G G V R A A R V A A Q G G A K V A L A E E D R Y G G T
UniRef90_C8S3B1 UniRef90_K2K9M7 UniRef90_E1SVB5	H Y D Y L S I Q Q F D <u>Y I</u> V L	GAGSGGIASANRAAMHGAKAAVIEANSVGGT GAGSGGIASAN <u>R</u> AAMRGAKV <u>L</u> L <u>I</u> EAQHLGGT
UniRef90_UPI00037F12AE UniRef90_Q6FUN7 UniRef90_L1NY52	N Y D L F V I K Q H D L V I I M K M Y D V <u>V</u> I I	GGGPGGYVAAI KAAQLGLDTA <mark>C</mark> I EKRGSGGT GSGPGGYVAAI RSGQI GEKTAL I EKYDTGGT
UniRef90_E0XRC4 UniRef90_N9CMX9 UniRef90_D0IV92	MEKYDVAVI KHYDYLVI	G S G P G G Y V A A L R C A Q L G M K T A L L E K Y D T G G T G A G S G G L A S A N R A A Q Y G K K C A L E V A D L G G T
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UniRef90_J9YS57 UniRef90_A0A024IE92 UniRef90_Q5WFA8	E K F Q A V V I D F D L F V I Q E V D T L V V	G G G P G G Y V C A R L A Q L G L K A C T E S R G S G G T G G G S G G V R A A R M A A Q R G Q R V A L A E V L G N S G T / G S G P G G Y V A A R A A Q L G Q K V T L V E K G S L G G V
UniRef90_A0A016QLK4 UniRef90_T0BQL0 UniRef90_A0YXB0	MDSYDVLVI EEVEVLVI DYDIFVI	G G G P A G Y V A A II R A A Q L G F K V A C V D A F E R G G K G A G P G G Y V A A II R A A Q L G K S V T I V D K A E L G G V G A G S G G V A S K R A A S Y G A K V A I A E N D L V G G T
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UniRef90_D7WB84 UniRef90_X8JH60 UniRef90_UPI0003B3146D	E Q Y D V V V I E E Y D A V I I A H Y D V V V L	G G G P G G Y V A A K A A Q L G L K T A <mark>C</mark> E K R G A G G T
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UniRef90_A3K2D4 UniRef90_N2IS25 UniRef90_K7QWE8	HAEVVVL DFDLFII	IGSGPGGYTAAFRAANII IGKSIVVI LIEKDKTII IGG
UniRef90_Q3AE67 UniRef90_G7UVD4	Y D V A I L	GAGSGGVRAARFSADFGARVAVAESRYLGGTGTGPGGYHAAIRGAQLGLRVLAVEAGAVGGV GGGPGGYHAAIRGAQLGLRVLAVEAGAVGGV .GGGPGGYVAAIRAAQLGLSVVVVEKDELGGT .GSGPGGYTAAFRAADLGLDVLIERYPALGGV
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UniRef90_UPI000374522C UniRef90_W9VAV7 UniRef90_F8EC44	SQYDLIII	. G A G P G G Y T A A F R A A D L G K K V V L I E R Y D T L G G G S G P G G Y V A A I R A S Q L G L K T A I V E K E S L G G I
UniRef90_B9MG22 UniRef90_D9QI41 UniRef90_Q9PJI3	H F D V I V I M A D F D L I V I E A F D C V V I	G S G P G G Y V A A II R A S Q L G Q K V A II I E R E S L G G I
UniRef90_F6DSE9 UniRef90_J6J8F7 UniRef90_X5DGH3	TYNAVVI SFDVIVI MMNYDVIVI	G G G P G G Y V A A I R I A Q L G G K V A L V E K D Q L G G T G S G P G G Y V T A I R A A Q L G F K T A I V E K S H L G G I
UniRef90_UPI00020DA1BD UniRef90_H8MPQ4 UniRef90_W5Y6D2	DTVVI ETFDVVII DFDLFVI	GSGPGGYVAAIRAAELGQKVTIIERDAIGGV GSGPGGYVGAIRAAQLGLKTAIIEKDKRGGT
UniRef90_H9KKR1 UniRef90_A0A022LGA3	D L V V I H Y D <u>L</u> I V L	G G G P G G Y V A S I K A A Q L G M K T V C I E K D E T G G T
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UniRef90_G9ZFI3 UniRef90_J2V2J5 UniRef90_UPI00047CF318	DML V I Y DV V V I Y DV I V I	G S G P G G Y V C A I K A A Q L G L K T A V I E K R A T F G G G A G P G G Y V T A I R A A Q I G F K T A V V F A R H I G G I
UniRef90_V4A6K4 UniRef90_A0A031K6Y7 UniRef90_F8JD04	D L V V I M A D Y D V I V L M A A Y D L I <u>V</u> I	G S G P G G Y V A A K A A Q L G M K T V C V E K N E T G G T G S G P G G Y V A A R S A Q L G L K T A V E R E L L G G L G T G P G G Y V C A R A A Q L G M K V A V V E K R A T F G G
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UniRef90_UPI00031727B3 UniRef90_B1LZV5	EVDVLVI MSDYDVLII	GAGPGGYVAAIIRAAQLGKTVTVVEKGSVGGV GAGPGGYVTAIIRAAQLGFKTAVVDREHLGGI /GSGSTAFAAALRAQTLGLRVKMIEKSVLGGT
UniRef90_B9M2I3 UniRef90_S6AA66 UniRef90_E4KNH4	T Y D V A V I	GAGPAGYVSAI RCAQLGLNTVCI DDWKNEDT
UniRef90_UPI00030308E5 UniRef90_UPI000366FF7D	K E Y D I A I L DVDL F V I	. G G G T G G Y V A A I R A S Q L G L K V A M E K G D L G G T G G G S G G V R A A R L A A G Y G A R V S L A E E Y R L G G T

OUEDV	80 80 80 80 80 80 80 80 80 80 80 80 80 8
QUERY UniRef90_UPI0003B56A58	CVNVGCVPKKVMWNTAVHSEFMHDHAVYGFPSCEGFFNWR CLNVGCIPSKALLHASHMLHETHENFEKMGMGAHVEVDWA
UniRef90_Q5LXD1 UniRef90_B7JUC1	CLNVGCI PSKALLHASHSLHEAQHNFAKMGKGKSPSVDWK CVNRGCI PKKLMVYTSHFPSLFQESEGYGWSPVKSTLNWT
UniRef90_B4U2K9	CVNLGCVPKKVMWYGAQVAETIHTYKDYGFTVLEDRFDFK
UniRef90_F0IDT1 UniRef90_B9R072	C
UniRef90_UPI0004129ACB	CLNVGCI PSKALLDSSHHYEDKHFEEHGIDIPGEIKVNLE
UniRef90_J9J038 UniRef90_J5T5F0	CLNVGCIPSKALLDSTHLLEDAHKHASSHGIEINIMVDFA CLNVGCIPSKALLHASEMFHEGHGFEKLGIVAKPKLDLP CLNVGCIPSKALLDSSHHYEDDKHFEEHGIDIPGEIKVNLE CLNVGCIPSKALLNATHKFHEQHDFKELGIVVKDVSIDYT CVNVGCVPKKVMWYTAEVAEGIRHASSYGFGTIADNFNWP CVNVGCVPKKLYVYASEFSKGFTDSAGFGWQGDAPTFDWP CVNVGCVPKKLYVYASEFSKGFTDSAGFGWQGDAPTFDWP CVNRGCVPKKLYSYAAHFHDAFEESRGYWQFSAEPTFDWP CVNRGCVPKKLYSYAAHFHDAFEESRGYWQFSAEPTFDWP CVNRGCVPKKLLYSYAAHFHDAFEESRGYWQFSAEPTFDWP CVNRGCVPKKLLYSYAAHFHDAFEESRGYWQFSAEPTFDWP CVNRGCVPKKLLYSYAAHFHDAFEESRGYWQFSAEPTFDWP CVNRGCVPKKLLYSYAAHFADDFENSRGFGWTPGEAKFDWA
UniRef90_A0Z2L0	CVNVGCVPKKLYVYASEFSKGFTDSAGFGWQGDAPTFDWP
UniRef90_E0UCH9 UniRef90_UPI00041F9A40	CVNRGCVPKKLMVYASRFPDIFEESQGYGWSPVESHLNWE CVNVGCVPKKLYSYAAHFHDAFEESRGYWQFSAEPTFDWP
UniRef90_L8LTI3	CVNRGCVPKKLMVYASHFPEAFQAASGYGWTVGESQFDWK
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UniRef90_A6FKU8 UniRef90_C8S3B1	CVQRGCVPKKLMVFASEYPGQLADAQSYGWTVHSGGFDWP CLNVGCIPSKALLHATHSLHETHENFAKMGIGASPKVDWA
UniRef90_K2K9M7	C
UniRef90_E1SVB5 UniRef90 UPI00037F12AE	CVNVGCVPKKVMWFGAQVAEALKYGPDYGFDTTLNQFSWSCVIRGCVPKKLFVYASKFSEEFEDAAGFGWTVGERSFSWQ
UniRef90_Q6FUN7	CVQRGCVPKKLMVFASEYPGQLADAQSYGWTVHSGGFDWPCLNVGCIPSKALLHATHSLHETHENFAKMGLGASPKVDWACVNVGCVPKKVMWYGAHVAEALKYSQAYGFKVEQQAFDWACVNVGCVPKKVMWFGAQVAEALKYGPDYGFDTTLNQFSWSCVIRGCVPKKLFVYASKFSEEFEDAAGFGWTVGERSFSWQCLNVGCIPSKALLNNSHLYHQIKSDTKNRGIDVDVEINVE
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UniRef90_A0A024IE92	CL NVGCI
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UniRef90_D7WB84 UniRef90_X8JH60	CLNVGCIPSKSLIKNAEVAHIFNHEAKTFGIKGDVSFEYG CLNVGCIPSKA <u>MN</u> NSHK <u>Y</u> HD <u>AL</u> HDLKSRGIDVEGVNLNLP
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UniRef90_A5EXP7 UniRef90_Q6FYD5	CLNVGCIPSKALLHSEVFAETQHGFEKLGISISKPKLNLE
UniRef90_V9HK93 UniRef90_A3K2D4	CLNVGCIPSKALLQSSEHVHALHDFAAHGISVNAVHFDAA VCNVGCIPSKALLHMAKVITEAEETAHHGLTFGKPEIDLD
UniRef90_N2IS25	CVNVGCMPKKYFVYGASFHDEFRQSRSYGWKVEEQGFDWQ
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UniRef90_W1Q6I6 UniRef90_D7E1D6	CVNRGCVPKKLMVYASHFPELFSDAKGYGWSAVQSSLDWE
UniRef90_UPI0003717158 UniRef90_UPI000374522C	CLNVGCIPSKALISAAHQYESISHASEIGIDAGKVKVDFG
UniRef90_W9VAV7	VCNVGCIPSKALLHTAQIMEEVKTLGSMGVTYGEPEVDLD
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UniRef90_D9QI41	C L N W G C I P T K A L L K S G E K F E S L S H L D D Y G L S A S G A T F D F G C L N R G C I P T K A L L K S G E K F E S L S H L D D Y G L S A S G A T F D F G C L N R G C I P T K A L L A S A E L V A Q L R H A D Q F G I H I N G F S I D Y P C L N R G C I P T K S L I A A V D K L K G V E E A A A F G I A V N Q P V V D F N C L N W G C I P T K S L L K S A E L Y H Y M Q H A E A Y G L K A E K I S F D P T C L N W G C I P T K S L L K S A C A F E Y A T H A A D Y G V T I E G E V K P D F G C L N V G C I P T K S L L W T A S L F H H I K E S S D F G L D V A N P T V N W A C V N L G C V P K K L M V Q A S E Y G D W V D D S H G F G W N T K R G Q H D W A C L N V G C I P S K S L L N N S H Y Y H M T H G D Q N R G I I V E N V K L N L D C L N V G C I P S K S L L N N S H Y Y H M T H G D Q N R G I I V E N V K L N L D C L N V G C I P S K A L L R N A E L A N T V L R D A K T F G I S G D V S F D Y G C L N V G C I P S K A L L R N A E L A N T V L R D A K T F G I S G D V S F D Y F G C L N V G C I P S K A L L R S A E L A N T V L R D A K T G G I S C S C L N V G C I P S K A L L L R S A E V Y E G L D H L K D Y G L S V E K R G F D F E C L N V G C I P S K A L L H A S E M F E E G H S F A K M G I G V S A P R L D L A C L N V G C I P S K A L L H A S E V F H E G H S H A T L G V E V G S L K L N L D C C L N V G C I P S K A L L H A S E V F H E G H S H A T L G V E V S G S L K L N L D C C L N V G C I P S K A L L H A S E V F H E G H S H A T L G V E V S C L N V G C I P S K A L L H A S E V F H E G H S H A T L G V E V S C L N V G C I P S K A L L H A S E V F H E G H S H A T L G V E V S C L N V G C I P S K A L L H A S E V F H E G H S H A T L G V E V S C L N V G C I P S K A L L H A S E V F H E G H S H A T L G V E V S C L N V G C I P S K A L L H A S E V F H E G H S H A T L G A L K T G A I L D L A C V N R G C V P K K V M W Y A A E L A H T Q H H M L D Y G F A L K T G A I L D W A C V N V G C I P S K A L L H A S H T Y H Y H M A K S Q Q K R G I S A E N V K V D F A C V N V G C I P S K A L L H A S H T Y H Y F O H A G D Y G I T A E N V K V D F A C V N V G C I P S K A L L H A
UniRef90_Q9PJI3 UniRef90_F6DSE9	CLNRGCIPTKSLIAAVDKLKGVEEAAAFGIAVNQPVVDFN
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UniRef90_X5DGH3 UniRef90_UPI00020DA1BD	CLNVGCI PSKALIHVGHRYQEAQSDTPFGLITTSEATLDWQ
UniRef90_H8MPQ4 UniRef90_W5Y6D2	CLHRGCIPTKSLLWTASLFHHIKESSDFGIDVANPTVNWA
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UniRef90_B4RBV3	CLINWGCILPTKALLKSGEVYEQUDHUKDYGLSVEKRGFDFE
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UniRef90_J2V2J5	TCNUGCI PSKALLHASEVEHEGHSHATÜĞVEVĞSÜKLNLP
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UniRef90_B1LZV5 UniRef90_B9M2I3	CLNVGCIPSKALIHASHTYEEMQSAQAMGISAENVKVDFACLNWGCIPTKALLRSAEIFHYFQHAGDYGLTAEKVGFDTACINWGCIPSKTLIHGSFVRHTAMAGAQMGTGTATDGIDFP
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UniRef90_UPI00030306E5	CVIRGCVPKKLMVYAGRFADEFEDAAGFGWSVGEPRFDWS

			90	n	100	110	120
Junkergo B7JUC1	QUERY		VIKEKRDAYV	SRLNA	TY ON NET K	(S H I E I I R G H A A F T S D	PK
Junkergo B7JUC1			K M Q D Y K S E T V O M L A Y K D F V L	KGNTG	GI EFLFKK	KNKVDWI KGWASILE KNKIDWIKGWASILPAA	A P G K
Junkengo B4U2K9 TILLIUS N R G A X JU D R LLIP A S Y E K F F E H N K IN D B JU Y A R F LL D G H T Junkengo GDIO TILLIUS N R G A X JU D R LLIP A S Y E K F F E H N K K N K IN D W F G K A S F LLIP A G T H Junkengo UP10004129ACB G M M K R K S S S V V D G A T G G LLIP K F LLIP K K K N K V D W F G G G S E K G A A T H JUNkengo UP10004129ACB G M M K R K S S S V V D G A T G G LLIP K F LLIP K K K N K V D W F G G G S E K G A A T H JUNkengo JST5F0 V L K E K R D A Y L K K L N G LLIP C R LLIP K K K N K V D W Y V K G C V C G LLIP K G K A S F LLIP G G T A S F LLIP G G T A S F LLIP K G K A S F LLIP G G T A S			K MILIT A IVIO A F IV	IF RILING		5	HT
			TLKSNRQAYI	D R L H A	SYEKGFE	HNGVDRILYDYARFILDQ	받프
		9R072	G M M K H K S D V V	DANVS	GISFLMKK	KNKI DVHTGMGKI LGA	ĞK
June	UniRef90_U	PI0004129ACB	QMMKRKSSVV	SQTCD	GVKFLMDK	KNKVDVFEGVGSFKDA	T H
June		9J038 5T5F0	QIL MK QK EKAIV	KGLIS	GIEFLFKK IYDRNIAK	KNKVDYWKGYGKFSSA KDGVDYHEGHASEVDP	N E H T
June	UniRef90_A	0Z2L0	TLRDRKKAEI	SRLNA	I YERLLEA	A P G A T I I S G R A Q L S D P	ΗŤ
JAMESSON JUNESSON JUN		0UCH9 PI00041F9A40	K MILIT A VIN N E IV	DRLNG	I IY Q R MIL ID N	N S Q V Q L F R N Y A <mark>C</mark> L V D P N A D V E I I N G R A E I V D A	ΗT
Jünkeriso ÜPincoo37F12AE JÜNKERISO ÜPINCOO3		8LTI3	TMITAVNNEV	DRLNG	I Y Q K ML D K	K S E V K V Y E G H G T F I D S	Η̈́Τ
Jünkeriso ÜPincoo37F12AE JÜNKERISO ÜPINCOO3		187XC9	TILI VNKDSEII OMVSRKRDVV	NRLND	I Y R N L L V N	N S G V T L H E G H A K L L D P	HT
Jünkeriso ÜPincoo37F12AE JÜNKERISO ÜPINCOO3		6FKU8	A F R G K L H A E L	DRLEG	VYRRLLAN	N S GVETEDTRASVA <u>D</u> A	Η̈́Τ
Jünkeriso ÜPincoo37F12AE JÜNKERISO ÜPINCOO3		8S3B1	RMQAYKDDVV	SGNTK	GUEFLFKK	KNKVTWL KGWASI P	AA
Jinkelso Dorack Jinkelso Negomxes		1SVB5	KLVESREAYI	E R I H G	GYNRGLDA	ANGVILVKGFGKFVDA	ΚŤ
Jinkelso Dorack Jinkelso Negomxes			TLLEAKDKEL	TRLEG	LYRRNLDF	RTGVELFDSRAVIEGP	NS
Jinkef90 D90192 Jinkef90 C3X445 Jinkef90 C3X445 Jinkef90 C3X445 Jinkef90 C901903 Jinkef90 G6044 Jinkef90 UP10003FD0A4 Jinkef90 UP100			KMIARKAAVV	E Q T C G	GVENILFK	(NKVDVFTGVGSFESE	T Q
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JniRef90_Q4PFH3	UniRef90_A	0A024IE92	TLKANRAQEI	SRLNS	VYĀNLĪS	SSGVTRMDGFARLVGD	ΗH
JniRef90_Q4PFH3		(5WFA8 ∩A∩16∩LK4	K V Q E W K G S V V	KKLTG	GIVEGILLKO	GNKVELIRGEAYFSGE KNKLTSLHGLGRLVRO	DT
JniRef90_Q4PFH3		OBQLO	KVQEWKQSVV	NKMT G	<u>ĞVQSLM</u> K	GNKITVIDGEAFFTKP	DR
JniRef90_Q4PFH3		0YXB0	K L V D V V D K E V	RRLSE	LHISFLEK	KAGVELIRGYAKFIDP	HT
JniRef90_Q4PFH3		PI00047E435E	KWQEWKSSV <u>V</u>	KKLTG	GVEGLLK	GNKVNT VRGEAYFVDN	T <u>K</u>
JniRef90_Q4PFH3		2L6A8	AVIQRSRGVS	KQLSG	GVGHLLKK	KNKLTVINGEAKFDPK	ΚĻ
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JniRef90_W5Y6D2 JniRef90_W5Y6D2 JniRef90_H9KKR1 JniRef90_H9KKR1 JniRef90_UP10002492C30 A MM N F K Q Q G I V V D K L T G G V A G L F K K N K I E V V Q G T A R L E K G S P J J N K V V V X K G A G K G K J T D D K L T G G V A G L F K K N K I E V V Q G T A R L E K G S P J N K W A Q G V V D K L T G G V A G L F K K N K I D V I WG S A F L K D D H S J N K W A Q G V V D K L T G G V A G L F K K N K I D V I WG S A F L K D D H S J N K W A G V V V A A Q M N S G V T F L M K K N K I D V I S G T G R I L G A G K M K M K K N K I D V I S G T G R I L G A G K M K M K K N K I D V I W G W A K L S D A P T J D N K W A G V V V A E G K J N K W A G V V V A E G K J N K W A G V V V A E G K J N K W A G V V V A E G K J N K W A G V V V A E G K W A G V V V A E G K W A G V V V A E G K W A G V V V A E G K W A G V V V A E G K W A G V V V A E G K W A G V V V A E G K W A G V V V A E G K W A G V V V A K R S R G V A G Q V T H L M K K N K V D V I W G W A K L S D A P T J N I W C V A E G K W A G V V K A G V A C V K A G V V V A E G K W A G V V K A G V V K A G V V V A K C S C Q V G F L L K K N K V D V I W G W A K L S D A P T J N I W C V W K R S R G V A G Q V T H L M K K N K V D V I W G F A A V K A G V V A F L F K G N K I D H H F G T G R I V K S G Q J N T G V W A K R S R G V A G C V T H L M K K N K V D V I W G F A A V K R S R G V A G V W A K L T G G V A G L R C G V F V L N G R A T L V G A H T J M I W T A K K K K V D V V W A K L T G G V A G L R C G V F V L N G R A T L V G A H T J M I W T A K W K W D V V A K L T G G V A G L R K K K K V V D V I W G G A A V K R A E P J N I W A K K K K V D V I W G G A A V K R A E P J N I W A K K K K V D V I W A K K F I D A H T J D G I S V L L R K N K V D V I W G G A A V K R A E P J W A K W A G V V A K L T G G V G M L L K K N K V D V I W G G A A V K R A E P J		5DGH3	AMVKRSRDVA	NGMSK	GUAMILEKK	KNKVESIFGWGKLTAK	NT
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JNIRE19U_B1LZV5 JNIRE19U_B1LZ JNIRE19U_B1LZ JNIRE19U_B1LZ JNIRE19U_B1LZ JNIRE19U_B1LZ JNIRE19U	UniRef90_U	PI00031727B3	KVQEWKAGIV	KQLTĞ	GVSSLEK	GNKLQVIEGEALFVNE	ΝR
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JNIKETYU_E4KNH4 KIQEWKDN VV AK L TGG V EM LL KKNK V E IL RGDAFFQDEHH JNIREF90_UP100030308E5 KVQERKQK LIDQLHQGVQGLMKKGK IDVFEGHGRILGPSI JNIREF90_UP1000366FF7D VLKTRRDAE V SRLESI_YDTNLERAGV TVIAERAVIEDAHT	UniRef90_S6	6AA66	TMLARKKKI V	HTLTĎ	GUSVLLRK	KNKVALĪ <mark>HG</mark> KĀSFTGG	G A
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		PI000366FF7D	V L K T R R D A E V	SRLES	TYDTNLEF	RAGIVITVITAERAVIEDA	Η̈́Τ

QUERY	130 PTIEVSGKKYTAPHILIATGGMPST <u>P</u> HE <u>SQIP</u> GASLGITS	
UniRef90_UPI0003B56A58 UniRef90_Q5LXD1 UniRef90_B7JUC1	GKVKVGDTVHEAKNI VLASGSVPTALKGVEIDDKGVI VDS	
UniRef90_B4U2K9 UniRef90_F0IDT1 UniRef90_B9R072	VEVG DTKVTADKI LIAVGGYPVKPDIPGKEHLVI S V DIAGKTYTAPHI LIATGGQPIFPDI EGAELGISS QVQAAENETLSATHFIIATGSKPSTL PFITLDKERVITS VEVTDNDGKVIETKNIVIATGSDVMPLPGVEIDEKQIVSS IIVDKTQETLEAKHTIIATGSKPSNL PFINLDKERVIVSS	
UniRef90_UPI0004129ACB UniRef90_J9J038	VEVEL DOOK DIENIE IN TOUCH STORE ON VIII DE KIVVOS	
UniRef90_J5T5F0 UniRef90_A0Z2L0 UniRef90_E0UCH9	VIEVIG DTKVTADKILIAVIGGHPLKPDIP GKQHMLIS	
UniRef90_UPI00041F9A40 UniRef90_L8LTI3 UniRef90_Q87XC9	I A I G E E K V T A E K I L I A V G G K P V K P D S I P G I E H A I T S V E V N G E R H T A Q N I L I A T G G W P Q I P D I I P G H E H A I S S	
UniRef90_G0IW21 UniRef90_A6FKU8 UniRef90_C8S3B1	I TVTKEDEELTAKKTI I ATGSKPANL PFINLDKERII TS VE LASGGTKTAKHI LI ATGGWPVLPDLP DAEHALTS GQVKVGDEVHEAKSI VI ATGSEAASLPGVTVDEKTV VTS	
UniRef90_K2K9M7 UniRef90_E1SVB5	GQVKVGDEVHEAKSI VI ATGSEAASLPGVTVDEKTV VTS V EVNGEQITADHITI ATGGRPMIPDV KGAELGIDS V EVNGEHYTAPNI LI ATGGRPTIPALP GAEHGIDS	
UniRef90_UPI00037F12AE UniRef90_Q6FUN7 UniRef90_L1NY52	V EVNGEHYTAPNI LIATGGRPTIPALP GAEHGI DSVRLLSTDQVITARYI LIATGGTPNV DPSLPGCEHVITSVKVTPDETI I EAKNI I I ATGSE VTPFPGI KI DEERI VSSI KI TPKEEVI EAKHTI I ATGSKPASLPFI KI DKERI I TS	
UniRef90_E0XRC4 UniRef90_N9CMX9 UniRef90_D0IV92	I I VT K E D E E LT A K K T I I A T G S K P A N L P F I N L D K E R I I T S V E L A S G G T K T A K H I L I A T G G W P V L P D L P D A E H A L T S G Q V K V G D E V H E A K S I V I A T G S E A A S L P G V T V D E K T V V T S V E V N G E Q I T A D H I T I A T G G R P M I P D V K G A E L G I D S V R L L S T D Q V I T A R Y I L I A T G G R P T I P A I P G A E H G I D S V R L L S T D Q V I T A R Y I L I A T G G T P N V D P S L P G C E H V I T S V K V T P D E T I I E A K N I I I A T G S E V T P F P G I K I D E E R I V S S I K I T P K E E V I E A K H T I I A T G S K P A S L P F I K I D K E R I I T S L K V S K D D G Q I E A A K T I I A T G S K P A S L P F I K I D K E R V I T S K T V E V N Q Q Q Y T A D H I L I A T G T E P T R P D I E G A E L G I D S V L V N G Q T H A R H I L I A T G S K P R A W P G V P F D E K R V L S N I E V D G R K V T A D K I L I A V G G R P V K P D L P G M E Y G I T S V Q V T A A D T V Y D A E N I I L A S G S V P V N I P P A P L T D G L I L D N	
UniRef90_C3X445 UniRef90_G6G044 UniRef90_UPl00037FD0A4	VLV NGQT HARHILIAT GGT PSLPDLP GVEHAISS GEYRIDPRQFT CTHVIVATGSKPRA WPGVPF DEKRVLSN IEVD GRKVT ADKILIAVGGRPVKPDLP GMEYGITS VQVT AADT VYD AENLILASGSVP VNIPPAPLT DGLILDN	
UniRef90_V6SK24 UniRef90_H1XUL4	VQVT A A DT VY D A E NI I I LA S G S VP V NI P P A PLT D G LI L D N T K A D G S VE K I E A K N T I I A T G S K P S S L P F I K I D K E R I I T S L E V T D K T K R I E A K H I I I A T G G R P R T I P G I E I D E E K I I S S I L I K D E K G N I E A E K T V I A T G S V P V S L P G I E F D E G I I V S S T A D G T P G H Q R F S A A H V L I A T G G T P H V P H F S G R E H V I T S	
UniRef90_J9YS57 UniRef90_A0A024IE92 UniRef90_Q5WFA8	LIKDEKGNIEAEKTVIATGSVPVSLPGIEFDEGIIVSST ADGTPGHQRFSAAHVLIATGGTPHVPH FSGREHVITS VKIMDEKSSSTYKFKHCIIATGSSPIEIPNFKYTDRVINS	
UniRef90_A0A016QLK4 UniRef90_T0BQL0 UniRef90_A0YXB0	DGWIVDGTEVRAKNVIVATGSSPRALPGAPFGGNIV DN IMHENGGQRIKFQHCILATGSRPIELKSLPF GKRVLSSLEVG DRKVTADKILIATGGHPVKPQIP GIEHSISS	
UniRef90_D5RI63 UniRef90_UPI00047E435E UniRef90_K2L6A8	V EVAGQSYDAKHLVIATGSDSAPLRGVEVDEKQLVTS VMDEKHSQTYKFKN <mark>C</mark> IVATGSTPLELPTFKYND RVLNS KVEGKDAGTYTAKNYIIATGARAR <u>SL</u> PGLEADG KVVWDY	
UniRef90_A0A011NT11 UniRef90_Q4PFH3 UniRef90_I9W158	VAVG EQRHTAGRILIATGGWPHIPAFP GREHAISS VEVTMRGQDGSFNRIVIATGGRPVIPSDDKIPGASLGIDS GGYQVEIETVKAKQVIIATGSKARHLPSIPVDNVMV CDN	
UniRef90_UPI00021A3CF2 UniRef90_UPI0003685E9C		
UniRef90_D7WB84 UniRef90_X8JH60 UniRef90_UPI0003B3146D	LEITDQGKEISFDN <mark>C</mark> IIATGSIVKTLPGIELSDNVV SY ALNEGGSTTVSAKNVIIATGSE VTPFPGLEIDEKVVVSS VEVKKSTEMVSFANALIATGSRVRLLPGVSLSDNVV TY	
UniRef90_A5EXP7 UniRef90_Q6FYD5 UniRef90_V9HK93	I HI K T V D G E Q N L N F K N C I I A A G S E S V K L P F M P T D P R V I D S L E V V A R D G N K Q T L N I V I A T G S E S S I P G V N V K I D E K I I V S S D F W Q L E I N N R E A K H V I V A T G S L P R Q L T A L V D I D N E I V L D N I D V E G T T V S F D Q C I I A A G S E P V A L P F I P H D D P R V I D S	
UniRef90_A3K2D4 UniRef90_N2IS25 UniRef90_K7QWE8	I DVE GTTVSFDQCI I AAGSEPVALPFIPHDDPRV I DS VEVT GKRYTTERI LIATGGWPSVPELP GREHI I TS I EVG GKRYEARSLI LATGSEPAAL PGFPFGEDVWDST I TVETSDEKVEAKNI I LATGSKPALI SALGYDGERV LTS	
UniRef90_Q3AE67 UniRef90_G7UVD4	I TVETSDEKVEAKNI I LATGSKPALI SALGYDGERV ITS I QITGEDGKPQFEQCI I AAGSQAVKLPNFPWDDARV MDS LRVVKEDQTYSFNNAI VATGSRPI EI KGFKYSD RVI DS LLVGDHQ LTADKI LI AVGAHPI KPNI L GVEHAI TS	
UniRef90_W1Q6I6 UniRef90_D7E1D6 UniRef90_UPI0003717158	L V G D H Q L T A D K L L I A V G A H P I K P N L L G V E H A I T S A R V F N D Q E R Y R F K N C I I A T G S R P I E L K P F P F G G R I I S S	
UniRef90_UPI000374522C UniRef90_W9VAV7 UniRef90_F8EC44	ARVFNDQERYRFKNCI I ATGSRPI ELKPFPFGG RI ISS VEVIT DNSETYEAENVVLATGSVPVEI PPAPLTEGLI VDSS I GVETKEGRI RFDHCI I ACGSSPLKI PGFPHDDPRV MDS VEVEKDKTEYTATNI I ATGGRARQLPNVPI DGQKVI EYR GGFEVSVAADEAVKQI I VATGSNVRPLPNLPFDERVVLSN APKVVI SRTLEARAVI LAVGARAAI PQI GLEADGDRI WAY	
UniRef90_B9MG22 UniRef90_D9QI41 UniRef90_Q9PJI3	G G F E V S V A A D E A V K Q I I V A T G S N V R P L P N L P F D E R V V L S N A P K V V I S R T L E A R A V I L A V G A R A A I P Q I G L E A D G D R I WA Y K I L G E T P S V I K A Q S I I L A T G S E P R A P G V P F S Q Q S P R I L C S	
UniRef90_F6DSE9 UniRef90_J6J8F7 UniRef90_X5DGH3	VEVAGDGETKQ <mark>C</mark> ENMVIATGSSPALIKSLGYNGTSI ITS ITVKEQPGDYRAEHIILATGARPRVLPGLETDGRLI WTY VEVTDDKGEYTAKHIILATGARSRELPNLPQDGEKIIGYR	
UniRef90_UPI00020DA1BD UniRef90_H8MPQ4 UniRef90_W5Y6D2	A F K V S R L E A R A V L A V G A R A A P G G E A D G D R WA Y	
UniRef90_H9KKR1 UniRef90_A0A022LGA3	V VALS PDGS V VS T K NI I I A T G S E V T P F P G I E F D E K Q I L S S T I E V D G T S Y T F D N C I A T G S V V K T L P G I E L S E N V V D Y	
UniRef90_UPI0002492C30 UniRef90_B4RBV3 UniRef90_Q1QQS0	APTIVVVGQRKTAKHVI LATGARARVPAVGLEPDGERVWTY	
UniRef90_G9ZFI3 UniRef90_J2V2J5 UniRef90_UPI00047CF318	VIVIDDKQIII PFKQ <mark>C</mark> II AAGSRSVKLPFMPQDD RIIDS VSVTSEDQEVEAKNI VIATGSVAGIPGIDVKFDEKIIISS PKGAKGKGTYAAKHI VVTTGTKPRVIPGVEPDKKI V WTY	
UniRef90_V4A6K4 UniRef90_A0A031K6Y7 UniRef90_F8JD04	LEVTGEKETLSAKHIIIATGSE VIPFPGIEVDEKQIVSS LEVTGEKETLSAKHIIIATGARARELPGIEVDEKRVIVSS	
UniRef90_UPI00036ECA9B UniRef90_D5C4P8	HTVEVNGERYTADHIVISTGSRPITPKDI PGAELGITS VEFTPHPQMLAAKNVILASGSRPMELEAAPIDGE RIVDS VKVGDNT YTAERILVATGGWPFVPEV EGKEHIVTS	
UniRef90_UPI000362A2F2 UniRef90_UPI00031727B3 UniRef90_B1LZV5	PKGAKGAGTYQAKHIIVATGARPRAIPGI EPDKKLIWTY	
UniRef90_B9M2I3 UniRef90_S6AA66 UniRef90_E4KNH4	DAVQVEEQVERSRKILIAAGGHPRTIAIPGLDKIHY LTSPWHDGKVESVEARHVIIATGSTPRQLPQVPVDNKRV VDNLRVMHEEGAQSYSYNNAIIATGSRPIEIPGFKFAGRVIDSMNNGEENEMIVPKNVIVATGSRPKTLPGLKIDGETV MTS	
UniRef90_UPI00030308E5 UniRef90_UPI000366FF7D	MNNGEENEMI VPKNVI VATGSRPKT LPGLKI DGET V MTS IRL VASGRRVRAKYI LVAVGAYPV KVPVI PGGDLGI TS	

		170	180	190	200
QUERY	DGFFQL	EELPGRSVI	VGAGYITAVE	MAGILSALGSK <u>T</u> S	LMI
UniRef90_UPI0003B56A58 UniRef90_Q5LXD1	T G A L A L T G A L E L	PKIPKSMVV GKIPKSLVV	I G A G V I G L E	IL IG S IV IY A R IL IG A E IV IT I	V V E
UniRef90_B7JUC1	DAMFEL	P E Q P K R V V V	W G G G Y G V E	<u>F</u> A <mark>C</mark> I <u>M</u> QGLGSE <u>VI</u>	QII
UniRef90_B4U2K9 UniRef90_F0IDT1	D G F F A L T E A L S L	H E V P K H L I V	I G G G V I G L E	I A G V L N A L G S Q T D L G Q V Y L R L G A Q V S L G A E V T	L L VI V V E
UniRef90_B9R072	TGALDL	EKVPSKMIV KEIPKQMIV	V G G G V I G L E I G G G V I G L E	L G S V W N R L G A E V T L G Q V Y S R L G S E V T	V V E F V E
UniRef90_UPI0004129ACB UniRef90_J9J038	IGAILISIL	EKI PKKLVV		L G Q V Y L R L G A Q V S L G S V W N R L G A E V T L G Q V Y S R L G S E V T L G S V Y A R L G S Q V T L A G V F N S L N T E T H	V V E
UniRef90_J5T5F0 UniRef90_A0Z2L0	D G F F E L N E L F D L	E E Q P K R V A V E H F P K R L L I	V G A G Y I A V E V G G G Y I A T E	LAGVFNSLNTETH FAGIFNGLGAEVV	
UniRef90_E0UCH9	DDMFHL	R E Q P K R L V I	ĽĠĂĠŶĬĠŸĔ	FAGIFNGLGAEVV FSCIMHGLGTEVT FASIFNGLGAETH	QII
UniRef90_UPI00041F9A40 UniRef90_L8LTI3	DHVFDL RELFHV		I G G G V I G L E I G G G V I G L E V G A G Y I A <u>V</u> E L G A G Y I G V I G G G Y I A <u>V</u> E L G G G Y I G A E L G G G Y I G A	FASIFNGLGAETH FACILKGLGSDVT	L A Y
UniRef90_Q87XC9	NQAFFL	K E L P K R V L V	V IG G G Y II IA IV IE	FAGIFHGLGAKTT LGSVYARLGAKVS	L L Y
UniRef90_G0IW21 UniRef90_A6FKU8	T E A L E L N E I F H L	DELPRSILI	I GGGVIGLE VGGGYIA <mark>C</mark> E	FACILINGILIGIVIFIVIT	V V E Q Y Y
UniRef90_C8S3B1	TGALAL	IG KIVIP K SIL L V	I G A G <u>V</u> I G L E	MGSVYARLGAEVT	V V E
UniRef90_K2K9M7 UniRef90_E1SVB5	D G F F A L N G F F A L	TEQPKKAAV TEQPKRVAV	V G A G Y I A V E	LAGVLHSLGSETH	L F V L L V
UniRef90_UPI00037F12AE UniRef90_Q6FUN7	NEAFHL TGALSL	SEMPRQVIV KEVPKRLAV	A	FAGIFNGLGAETT MGSVYSRLGSKVT	L I Y V L E
UniRef90_L1NY52	TEALKL	KE V PKH LIV		L G Q V Y N R L G A K V S	V V E
UniRef90_E0XRC4 UniRef90_N9CMX9	T E A L S L N G F F E L	KEVPKSMVV QQLPKRTAI	I G G G V I G L E V G S G Y I A V E	L G S V Y G R L G T E V T L A G V L N G L G S E V G	VVE
UniRef90_D0IV92	D E <u>A F H L</u>	PHLPRRVVV	V G G G Y I A V E I G A G V V G L E	FASIFNGLGAETT MGSVWRRLGAAVT	L L H
UniRef90_C3X445 UniRef90_G6G044	T G V L A M N E M F H L	IP A K P K HII IAII	I IG A G Y II IG T E	FACI MRGILIGCEIVIT	L F E Q V I
UniRef90_UPI00037FD0A4	EGALNI	NETPKRLGV			V L E V V E
UniRef90_V6SK24 UniRef90_H1XUL4	RTAMTL	KEKPASMVI	I G G G V I G L E I G A G A I G V E	L G Q V Y L R L G A K V S F A Y F Y N A M G S A V T	ΜVΕ
UniRef90_J9YS57 UniRef90_A0A024IE92	GALK L NEVFDL	NKVPKKMVV	V	MGSVWSRLGSEVH FASLFNGLGARVT	V V E Q L Y
UniRef90_Q5WFA8	TGALAL	KE V PKK LVV	Ĭ ĠĠĠŸĬĠĬĔ	IL IT G A Y S NIL IG S E IV V	V L E
UniRef90_A0A016QLK4 UniRef90_T0BQL0	S G A L A F T E A L A L	EQV <mark>P</mark> GKLGV DELPERLLV	VGGGYIGAE	L G O T F A K F G S K V T	V L E I I E
UniRef90_A0YXB0	D D M F L L T G A L E L	TEKPQRFAV	<u>W</u> GGG <u>Y</u> JI G V E	<u>F</u> AS <u>L</u> KG L GSE V T	QI I V V E
UniRef90_D5RI63 UniRef90_UPI00047E435E	SGALAL	R E I P K K M V V	I G G G Y I G I E	LTGAYANLGTEVI	V L E
UniRef90_K2L6A8 UniRef90_A0A011NT11	KKAMT P NEVFDL	DKMPKSLVV ETFPRRLAI		FASFYHTMGAEVT FAGIFNGLGAHVT	V V E Q L Y
UniRef90_Q4PFH3	DGFFEL	K E Q P K R V A V	VIGAGYII IAIVIE	IL IA GIV IF N T IL IG S Q T H	LLL
UniRef90_I9W158 UniRef90_UPI00021A3CF2	TGAILISIL	GEVPKKLGV ESVPQRLLV	I GAGVIGLE I GAGVIGLE	L G S V WR R L G A D V T L G S V W C R L G S K V T	L L E A I E
UniRef90_UPI0003685E9C UniRef90_D7WB84	KEAM IL	N K L P K K M V I P E A P K K M V I	I G S G A L G V E	FAYFFNEYGTEI H FAYVLSNYGVDVT	A I E L I E V V E
UniRef90_X8JH60	TGALDL	QEVPKKMIV	IGGGVIGLE	MGSIVIWSRII IGA FIVITI	V V E
UniRef90_UPI0003B3146D UniRef90_A5EXP7	ETQILT TGALQL	RELPKSIVI QDIPERLLV	V G A G A I G M E I G G G I I G L E	FAYVLKNYGVDVT MATVYHALGSKID	I I E I V E
UniRef90_Q6FYD5	TGALAL	EKVPMRMIV	VGAGVIGSE	IL IG S IV IW S R IL IG S K IV IT I	I I E
UniRef90_V9HK93 UniRef90_A3K2D4	E G A L N L T G A L E L	T N V P A K L G V A D I P K R M L V	I G S G V I G L E L G G G L I G L E	MGSVWKRLGSEVT MACVYDALGSKVT	V V E
UniRef90_N2IS25 UniRef90_K7QWE8	N E A F Y L R A L K V E	DKLPERMII EGVPGRLLV	V G G G Y I A I E I G G G A V G L E	FASIFHGLGVKAT FGQIYHRLGSQVT	L M Y L I E
UniRef90_Q3AE67	DEALNL	E K L P A E M V I	I	FATILIFSEMGIVIKIVITI	I VIE
UniRef90_G7UVD4 UniRef90_W1Q6I6	T D A L E L T G A L A L	A E V P K K L L V D H I P S S M V V	V G G G [MATVYGALGSEVT LAGAFANFGTKIT FASLMNGLGTEVT	V V E I L E
UniRef90_D7E1D6	DDIFHL	DHIPSSMVV QKQPERMVI	L G G G Y I G S E V G G G Y I G I E	FASIMNGLGTEVT	QI T VIE
UniRef90_UPI0003717158 UniRef90_UPI000374522C	TEALSL GAL EF	PEVPKSMIV DEVPKRLGV	I G A G V I G L E	LGQMYSKFGTKVT LGSVWCRLGSEVT	V I E M L E
UniRef90_W9VAV7 UniRef90_F8EC44	TDALAL KA MSI	A DVP A R ML I E K Q P K S L L V A A VP D R L A V K T M P A S I V V	V G G G L I G L E I G S G A I G V E	MATIVIYSTLIGSRII DI FAYVIYASMGTKIVIT	V V E
UniRef90_B9MG22	DGALDL	ĀĀĀP DRLĀV		LGSVWRRLGADVT	I V E I L E
UniRef90_D9QI41 UniRef90_Q9PJI3	I GIV I INII	IK FILIP (JK MAII	I G S G A I G I E I G G G V I G C E	FASLFHTLGSEVS	V V E V I E
UniRef90_F6DSE9 UniRef90_J6J8F7	E E A L Q L F E A M V P	QELPKSLLI EKMPKSLLV	I GAGVIG <mark>C</mark> E VGSGAIGIE	FAHILYGSLIGTEILT FASFYNTMGTDVT	MVE VVE
UniRef90_X5DGH3	K A L T L	ID K Q P E S MIV V	VĞŠĞAJIĞSE	LGQMYSKFGGTKVTTLGSSVVWRRLGGSTKVTTFGSFYRALLGGSEVTFASLLYGSFLVTFASLLYGSTEVTFASFYNHUGGTKVTTLGGGAYTALLGGSFYNHULGGSKVTALGGGFGSVTALGGGGGVTAGGGGVWG	ĽVE
UniRef90_UPI00020DA1BD UniRef90_H8MPQ4	TGALSL SILT I	PEVPKRLII DRIPKSIIV	V G G G V I G S E L G A G A V G <mark>C</mark> E	FASVFNHVGSKTA	I I E I V E
UniRef90_W5Y6D2 UniRef90_H9KKR1	DQAFHL	KQRPQRV <mark>C</mark> M DTIPKK <u>F</u> IV	V G G G Y I G V E I G A G V I G L E	FAGIFRGFGSEVD LGSVWQRFGSQVT	L V Y A I E
UniRef90_A0A022LGA3	FDOLLS	RELPDSVVI	VGAGALGME	EAVVMENVCVEVI	T V E
UniRef90_UPI0002492C30 UniRef90_B4RBV3	T G A L A L R E A L V P	QEVPKNLIV KAAPKSLVV AKVPGKLLI	V IG G G V II IG <mark>C</mark> E		I L E V I E V V E
UniRef90_Q1QQS0	TGALSL	AKVPGKLLI	VIĞ Ā ĞİV İ IĞİL E	FASFYRAL GSEVT LGSVWHRL GAQVT MATVYATL GTQVD LGSVWARL GAKVT	V V E
UniRef90_G9ZFI3 UniRef90_J2V2J5	TGALEL	QAVPEHLVV	V G G G V I G L E	MATVYATLGTQVD LGSVWARLGAKVT	I V E V V E
UniRef90_UPI00047CF318 UniRef90_V4A6K4	F E A M V P	ERLPKSLLV AQVPKKLIL	I GSGAI GIE I GAGVI GVE	FASFYRS L GSE V I	V V E C V E
UniRef90_A0A031K6Y7	RHAMTP	KEMPTKILLV	L G S G A I G I	FASFYNDMGVDVT	V V E
UniRef90_F8JD04 UniRef90_UPI00036ECA9B	T G A L D F D G F F E L	E I V P K K L L V	V G A G V I G L E V G G G Y I A L E	L G S V W R R L G S E V L L A G V L N A L G S E T H	VIE VL <mark>H</mark>
UniRef90_D5C4P8	ŢĢAĻŠĒ	E E Q P K K V A V Q E V P R R L G I	I G A G V I G V E	LIGSI WS RL GAKVT	ĽĽE IEE
UniRef90_UPI000362A2F2 UniRef90_UPI00031727B3	TEALNL	PVLPKQMVI TEVPKSLIV	V	LGSVYARFGAKVT	I L E V V E
UniRef90_B1LZV5 UniRef90_B9M2I3	$Y \in A M V P$	ETMPKSLLV[]KTIPESL <u>V</u> I	MGSGAI GIE IGGGVIAVE	FASFYRTMGAEVT	V V E V L E
UniRef90_S6AA66	V G A L D E	KEVPKRLĞI	V G A G V I G L	LGSVWRRLGSNVT	ĽĘĠ
UniRef90_E4KNH4 UniRef90_UPI00030308E5	T G A L N L D E A L Q M	KEVPKRLGI KEIPGKLVV ETLPNSIAI	G	LIGMAYANMGTEVT WASMLADFGVDVT	I L E V I E
UniRef90_UPI000366FF7D	NEVFEL	ETLPERI LI	Ĭ ĞĞĞŸİ ÄVE	FASVFAHLGSRTT	ĽĹĦ

	240
QUERY	210 220 230 240 R H D N V L R S F D S M I S T N C T E E L E N A G V E V L K F S Q V K E V K K T
UniRef90_UPI0003B56A58 UniRef90_Q5LXD1	YLDVITPGMDAEVQKQFQKMLTKQGLKFVLGAAVQGATAT FLDVITPGMDGEVQKTFQRLLKKQGLTFVMGAAVQKTELA
UniRef90_B7JUC1	R Q D K II L IR G F D E DII IR S T II IQ E G M E K H GII IR II L IN N C S II IS A IV IE K T
UniRef90_B4U2K9	RYDRPLRTFDQDI IQVLVDEMKVPGPRLHTNADVTKVTKA YAPSI LPTMDLSI GKELSKVLKKQGFEFYTDSKVKEVSRK
UniRef90_F0IDT1 UniRef90_B9R072	FMPKII LIGPMDGDII ISKN FQRII LIKKQGMA FKILISSKIVIT GIVIEKK
UniRef90_UPI0004129ACB	Y M D R 1
UniRef90_J9J038 UniRef90_J5T5F0	Y M D R I CPT M D V E L T Q Q F K K T L E K Q G L K F M M K T K V V G G S G G R T E H V L R T F D P M L S D V L V P W M E H T G M R V H K N S G V E K V E K T
UniRef90_A0Z2L0	RGDLFMRGFDDDVRRFLAQEVRKTGVDLRFNTNPKSIDTS
UniRef90_E0UCH9 UniRef90_UPI00041F9A40	RTEHVLRTFDPMLSDVLVPWMEHTGMRVHKNSGVEKVEKT RGDLFMRGFDDDVRRFLAQEVRKTGVDLRFNTNPKSIDTS RSDKILRGFDEDIRSTIQDAMQAHGIRILNNSQPTAIEKT RGPLFLRGFDVEQREFIRDEMHKKGVNLHFEANIVRVEKR
UniRef90_L8LTI3	RADKILRGFDEDÜRSEI QSQMQDHGINVLNNVQDMAI TKT
UniRef90_Q87XC9 UniRef90_G0IW21	RADKI L RGFDEDÎ RSEÎ QSQMQDHGÎ NV LNNVQDMAÎ TKT RGDLFL RGFDGAVREHL QVELTRRGMDLQFNSDÎ ERÎ DKQ FMNGÎ Î PTMDKTMGKELQKSLKKLGFEFYLQHKVTGVERK
UniRef90_A6FKU8	RGAQII LIRGEDEEARGILI ISEEMII IRNGIVIGILI <mark>H</mark> ILIGI NII I IEMEKILI
UniRef90_C8S3B1 UniRef90_K2K9M7	Y L D A L T P G M D A E V A K A F Q R L L A K Q G L K F L L G A A V Q G V S V T R H D R P L R D F D R D L T D G L L E R M A Q D G Q H L H T Q C T L D K V E Q A
UniRef90_E1SVB5	RKHAPIL IRN FDPMII VIDTIL VIKIL IMAAEGPTIL IHTHSII IPKAIVIEKE
UniRef90_UPI00037F12AE UniRef90_Q6FUN7	R G E E I L R G F D N D L R K A V H E E M E K K G I K I I C G D T F S A I E K D F Q P K I G A S M D G E V A A T S Q K F L K K Q G F N F K L S T K V V S A E R N
UniRef90_L1NY52	YÃDSI ÎPTMDKĞLĞRELTKVLKKQĞFT <u>FY</u> TS <mark>H</mark> QVKEVTR
UniRef90_E0XRC4 UniRef90_N9CMX9	FQPKIGASMDGEVAATSQKFLKKQGFNFKLSTKVVSAERN YADSIIPTMDKGLGRELTKVLKKQGFTFYTSHQVKEVTR YSDSLISSMDKSLGKEMRKVLKKDNFNIKLNCGVTAVERK RKQLPLRSLDQFLGETLLECMRDEHIQVHTQALPKKVTRQ
UniRef90_D0IV92	RROOLIRGEDADIIGII <mark>H</mark> IIGOEMAOIIGIVNERWGEEIIOAIISKO
UniRef90_C3X445 UniRef90_G6G044	
UniRef90_UPI00037FD0A4	AMDDELALADK DVAKEAAKTEKK QKLDLKLGARCT GTELN
UniRef90_V6SK24 UniRef90_H1XUL4	F M D R T I P G M D G G L S K E L T K V L K K Q G M K F Y T S H K V Q A V D R A M L D H L L P Q E D E E I S T T L E R N F K K N K N N F H T S A T V S K I E K L
UniRef90_J9YS57	FLDHITPGMDNEISKEFMKLLKKQGIT <u>FHMQHKVE</u> KINKN
UniRef90_A0A024IE92 UniRef90_Q5WFA8	R G E Q V L R G F D D E R H F A S A E A K A G V D L H L N A G V V D R K S G T K Q L P G F E K Q M A K L V E R K L K K N G V T F H T E A M A K G V E E T
UniRef90_A0A016QLK4	ALPGELLA ADDALSKEALKQLQKQGLDFHFSVQLTEVKQG
UniRef90_T0BQL0 UniRef90_A0YXB0	
UniRef90_D5RI63	Y L DR L APGMDAETAKQFER VL TKQG <u>FKFK L </u> KS <u>K V </u> TA <u>A</u> AKS
UniRef90_UPI00047E435E UniRef90_K2L6A8	GGKQI VAGFEKQMSQLVSRRLKKSGVVI HTEALAKGVEKT IMSQI MPVEDKEVAALAQKMMTKDGMKI LTEAKVANLKRN
UniRef90_A0A011NT11	RGPLFLRGFDADI RAHAAQELAKTGVDLRFEVNVQSI SAG
UniRef90_Q4PFH3 UniRef90_I9W158	R H D T F L R P F D P L I S E T L Q D Y M S R T G L N V H K Q T N I T K V E G S A L P A F L G A V D A G V A K E A Q K L F T K Q G L K F E L G V K I G N V K A D
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S	UniRef90_I9W158	KKGVSLAYTAA DGSEKTLECDKLIVSIGRVPNTDK
JAIRE90 D7WB84 JAIRE90 S8JH60 JAIRE90 S8JH60 JAIRE90 S8JH60 JAIRE90 S8JH60 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8SZP7 JAIRE90 S8ZZP7 JAIRE9	UniRef90_UPI00021A3CF2	
JinRef90_K7QWE8 JinRef90_G7UVD4 JinRef90_G7UVD4 JinRef90_G7UVD4 JinRef90_G7UVD4 JinRef90_D7E1D6 JinRef90_U7E1D6 UniRef90_D7WB84	GDSVEVDI KKKDSDDVET LTVDRVMVAVGFQPRVEG	
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JniRef90	UniRef90_N2IS25	
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JniReigo_UPl000362A2F2	UniRef90_UPI00020DA1BD UniRef90_H8MPQ4	DDE V K L IYI V A GEEHT I TGDY LLV A V GRRANTDT ADG V R V TMK V G FETKT I FAFIIIISA V GRAP V TFD
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JniReigo_UPl000362A2F2	UniRef90_H9KKR1 UniRef90_A0A022LGA3	GNEILI VISIVIE DAK DPSKKED II IS <mark>C</mark> NIVLLI I <mark>C</mark> I IGRRPYTWN GDSIVIEIVIE KNGFFGKSOTII TVIDKIVI MAIVIGFAPRIVIFG
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JIIIKEIBU_UFIUUUUUUUUUUUUE PUTILIDKS NUGILIKUJE AEILINGE NUTFEADKMILVISUJG KAPILVIDN JNIREF90 UP1000366FF7D DSGI AATLIGDGS VITFUNDOVI VATGRKPADVISG	UniRef90_E4KNH4	GDSVTVKYE IDGKAEELNADYVLISVGRRPNTDE
	Unike190_UP100030308E5 UniRef90_UP1000366FF7D	PUILUKSNGIIKVEAEIINGENQIFEADRMLVSVGRAPIIVDN DSGIIAATLIGDGS VIIFVDOVIVATGRKPAVSG

QUERY	290 300 310 320 LSLNKLGTQTDDKGHTLVDEFQNTNVKGTYAVGDVCGKAL
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UniRef90_B7JUC1 UniRef90_B4U2K9 UniRef90_F0IDT1	FGLEHT GVEL DKRGYI ATDAYENT SVEGI YAVGDVNGKLA LGLEKAGVQLNERGQI AVNEHLQTNVSHI YAI GDVVRGAM LGLDQAGVVVDDRGRVQI NTHYKTNVDGI YAI GDVVVGPM
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UniRef90_A0Z2L0 UniRef90_E0UCH9	L NL QCTS VALNENGFI AVNDEFQTAEASVYALGDL I GGEQLGLEKVGVEVTN GSI VVNEYSQTSQENI YAVGDCTNRINLGLENLDI EREDSGKLKVDDRYQTSVPSVLALGDI I EGPE
UniRef90_UPI00041F9A40 UniRef90_L8LTI3	L G L E N L D I E R E D S G K L K V D D R Y Q T S V P S V L A L G D I I E G P E L G L E N T G V E V Y N G A V A V D K Y S Q T A E E H I Y A V G D C T D R I N
UniRef90_Q87XC9 UniRef90_G0IW21	L GL E N T G V E V V N G A V A V D K Y S Q T A E E H I Y A V G D C T D R I N L GL E N T G V K L N K K G F I E V D E L Y Q T A E P S V L A L G D V I G R V Q L N A A A A G V K I N D K G Q V E V D E N L K T S A D N I Y A I G D V V K G A M L G L E R T G V K L G R N G A I E V D A Y S Q T S V P S I Y A I G D V T D R V N L G L D A L G V E M L P R G Q V K T D A H F A T N I K G L Y A I G D A L T G P M I N I E C T G V D V D S D G Y I R T D L Y Q N T N I V Q G I Y A V G D I T G R A Q
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UniRef90_G6G044 UniRef90_UPI00037FD0A4	IL <u>L</u> ADDSG V K L DERGF L F V DGQ <mark>C</mark> RLEAPG V YA L GD <u>S</u> V RGPM
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UniRef90_Q6FYD5 UniRef90_V9HK93	L GL VE A G V K L D E R G F I A I D A N W Q T N I P G I Y A I G D V V K G P M L N A E S V G L A K D E R G F I T V N E L C Q T N L P N V W A I G D V V R G P M V D A D K A G V A V D D R G F I A V D S Q Q R T G V S H I F A I G D V V G Q P M
UniRef90_A3K2D4 UniRef90_N2IS25	V D A D K A G V A V D D R G F I A V D S Q Q R T G V S H I F A I G D V V G Q P M L G L E N V G V E L D E R G F V K V D E T F Q T T E P S V Y A I G D I I G R V Q
UniRef90_K7QWE8 UniRef90_Q3AE67	L GL E A F G I LRD P K G F I QV N G R L E T A V K G V Y A I G D A A R P P L I GL E E V G V A I G D T S K M Q
UniRef90_G7UVD4 UniRef90_W1Q6I6	I DAEKAGVQVTERGEIPVDPQMRTNVPHIFAIGDIVGNPM CGLEVAGVIVGERGLINVDKQGRTNKPNIFAIGDAVPGAA LGLENTKVKLHD GAVIVDKYSQTVEGNIYAVGDCTNKIN
UniRef90_D7E1D6 UniRef90_UPI0003717158 UniRef90_UPI000374522C	EGLDLINIKMNERGFIEVDDQGRTNIPHIYAIGDIVAGPA LLGDSTGVELDERGFIQVDDTCQTNAPGVYAIGDVVRGPM IDAEAAGVQVDQHGFIKVDGHQRTNVPNLYAIGDVVGGPM
UniRef90_W9VAV7 UniRef90_F8EC44	I DAEAAGVQVDQHGFI KVDGHQRTNVPNI YAI GDVVGGPM II GLEETGI KV EKGKI TTDDYYQTNI PGYYAI GDVTKGQA
UniRef90_B9MG22 UniRef90_D9QI41	IL IN P A AIVIGIL IQIL ID E R G AIV L VID D E C R T SIVIP GII IWAII IG DIV VIR G P M
UNIRe190_F6DSE9	I GL D K A G V I C D E R G V I P T D S T M R T N V P N I Y A I G D I T G K W Q L G L S K A G V A L G E K G Q I L V N D Q M Q T N I K G I Y A I G D V V M K Y Q L G L E T L G V K T E R G T I V T D G F C K T N V P G L Y A I G D V A G P P M
UniRef90_J6J8F7 UniRef90_X5DGH3	II IGII IE EII IGIVIE T D N - G RIVIKIVID E Y Y K T NIVID GII IY AII IG DII VIA G P A
UniRef90_UPI00020DA1BD UniRef90_H8MPQ4 UniRef90_W5Y6D2	L GL N N T D V K L T D R G L I E I A D N M Q T S V P H I Y A I G D V T A G P Q V G L N K T S I Q V D R G F I K V D T L C R T S E P N V Y A I G D V I P T P M L G L T Q L G V A M E E N G R I I V D E G S Q T T V P G I Y A I G D V T N R L N
UniRef90_H9KKR1 UniRef90_A0A022LGA3	L G L T Q L G V A M E E N G R I I V D E G S Q T T V P G I Y A I G D V T N R L N L G L E D I G I E R D K L G R V P V N N R F Q T V I P S I Y A I G D C I H G P M Y G L D K T G V E L T D R G A I A I D D N M R T N V K G I Y A L G D V T A K L Q L G L E H I G V K I G D R G L I E V D A Q C R T S I D N I Y A V G D V I P G A A L G L E A L G V K I E K T H V V T D K H G A T G V P G L Y A I G D V A G P P W L G L K E A G V A L D D R G R V E I D A H F A T G V P G L Y A I G D V V A G P M L N L D A A G V Y V N E R G F I K V D K Q M R T T Q P H I F A V G D I V G Q P M
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UniRef90_Q1QQS0 UniRef90_G9ZFI3	L GL K E A G V A L D D R G R V E I D A H F A T N V K G V Y A I G D V V A G P M L N L D A A G V Y V N E R G F I K V D K Q M R T T Q P H I F A V G D I V G Q P M
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UniRef90_V4A6K4 UniRef90_A0A031K6Y7 UniRef90_F8JD04	L GL E N I S L K V D N K G R I P V N N R F Q T S V P S V Y A I G D C I A G P M I GL E E L K I E P D E K F F I K V D D Y G R T N V P G V WA I G D C V K G P W L G L A E A G I A L D A K K R V L V D G H Y Q T N V T G V F A I G D V I A G P M
UniRef90_P63D04 UniRef90_UPI00036ECA9B UniRef90_D5C4P8	LIGLAE AGLINVEY QETINVE GOVERNOUS IN MVQ
UniRef90_UPI000362A2F2 UniRef90_UPI00031727B3	LFALETGL L DERGFI HVDEYGATNLPGVYAI GDVVRGPM I GLEALGVTLDAVGAI KVNADYQTNVPSI YALGDVTNRVN LGVRDI GMKLTDKGYI VVDKQGQTSI PNVYAI GDI VEGPA
UniRef90_B1LZV5 UniRef90_B9M2I3	I GLEKLGVKI DR GEVYTDGEGRTNVPGLYALGDVAGPPM
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UniRef90_UPI00030308E5 UniRef90_UPI000366FF7D	MGLENTOI VV ENGAI KVNEN <mark>C</mark> QTKESHI YAI GDVI GGMQ LGLENVGI ETDESGAI PVDAFSQTSVPSI YAVGDVTNRAA

QUERY	330 340 350 360 LTPVALAAGRKLAHRLFEYKEDSKLDYNNIPTVVFSHPPI
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UniRef90_B7JUC1 UniRef90_B4U2K9	I T PIVAVA A G R RIJA E RIJE H H K A N E KIJD Y D KIVA TIV VE S H P PIJ
UniRef90_F0IDT1	L T PVAVA A G R R L A E R L F H H K A N E K L D Y D K V A T V V F S H P P I L A H K A E E E G V Y V A E L L A G E K P H I D Y N L I P G A V Y T T P E V
UniRef90_B9R072 UniRef90_UPI0004129ACB	L A H K A E D E GVA V A E
UniRef90_J9J038	
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UniRef90_E1SVB5 UniRef90_UPI00037F12AE	L T P V A V K A G R A L S E R L F G G Q P E A K M D Y S L V P T V V F S H P A L L T P V A L R E G H A F A D T L F G G K P W T V D H S L I A T A V F S Q P E M L A H K A E E E G I A A V E Y L K K G H G H V N Y G N I P S V M Y T H P E V
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UniRef90_D0IV92	LITPUALLA EGIVLA HHL FGQGGKSAPDY ELVPIAVESHPQV
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UniRef90_V6SK24 UniRef90_H1XUL4	LAHKAEEEGVMVAEYLAGQKPHID YNLIPGVVYTWPEV LAHVASHEG VCVEKIAGLTPHAVDYNSIPGCTYCQPQV
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UniRef90_A0A024IE92 UniRef90 Q5WFA8	L T PVALGE A MV V V D E L C G P K A P R D M S Y D F V P T A V F T H P S I L A H K A S Y E A K V A A E A L S G E P S E V D Y L A I P A V C F S E P E L
UniRef90_A0A016QLK4	II IA H K A F F F GIVIAIVIA F OII IA G O A G HIVIN Y A IV I IP WIV I IY T S P F II I
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UniRef90_A5EXP7 UniRef90_Q6FYD5	I I A H K A F F F GIVIAIVIA F
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UniRef90_A3K2D4 UniRef90_N2IS25	II IT PIVIAILIA FAMTILIA RSILIY K P FSY K PILID Y NIL LIA SAIVIY SILIP NIVI
UniRef90_K7QWE8	<u>L A H K A M K E G L I A A E N A</u> A G R D A A F D Y <u>Q</u> I P S <u>V V Y T D P E W</u>
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UniRef90_UPI000374522C	LAHKSSYEAKVAAE SIAGLPSKIDYKCIPLVVFSDPECLAHKGSEEGMMVAD IIHGEKAEMNYDAIPSVIYTAPEVLAHKATHEAKVAAE VIAGLPALFDPMTIPSVAYTDPEV
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UniRef90_D9QI41 UniRef90_Q9PJI3	L A H K A S H E GI H A A E Y L A G Y K S P N V V S P L A G C T Y A Q P Q V L A H V A S H Q G I V A A R N I A G H K D E I D Y S A V P S V I F T F P E V
UniRef90_F6DSE9	LAHVASHQGI VAARN TAGHKDEIDYSAVPSVIFTFPEV LAHVASAQGVIAAENIMGKEAVMD YRAVPSCVFTSPEI LAHKAEHEGVVCVEALKGL HPHPMNKGMIPGCTYCSPQV
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UniRef90_H8MPQ4 UniRef90_W5Y6D2	II IT PIVIAII IA E G H NII IA D RII IE G S A P A R O W S Y A T T P K AIVIE E T P AII I
UniRef90_H9KKR1	L T PVALA E GHNLADRL F G S A P A R Q W S Y A T T P K A V F F T P A L L A H K A E E E G I I T V E G I V G G A V H I D Y N C V P N V I Y T H P E V L A H V A E A Q G V V A A E T M A G A Q T Q T L G D Y R M M P R A T F C Q P Q V
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UniRef90_Q1QQS0 UniRef90_G9ZFI3	II IA H K A F D F GIVIA <mark>C</mark> A F
UniRef90_J2V2J5	L A H K GVH E A HVA A QVA A G D A N S F F D A R V I P S V A Y T S P E V L A H K A E D E G I A V A E I L A G Q A G H V N Y D A I P S V V Y T Q P E V L A H K A E H E G V V C V E A L K G L A P H P I D K L K I P G C T Y C Q P Q V
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QUERY	370 380 390 400 GTVGLTEDEAL <mark>H</mark> KYGLENVK <u>T</u> YSTSFTPMYHAVTKR <u>K</u> TK <mark>C</mark>
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UniRef90_Q87XC9 UniRef90_G0IW21	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
UniRef90_A6FKU8	GT GL SEEE <u>A</u> RDQ
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UniRef90_UPI00047E435E	: A S V G Y T E K E A
UniRef90_K2L6A8 UniRef90_A0A011NT11	A S V G L T E A K A K E A G Y D V K V G K F P F L G N G K A V A L G E A E G G T V G F T E E E A R A R F G H L R L F K S T F K P M K H T L S G R D E K T G T V G L S E A Q A V Q K F G R E N V S L H T S K F T S M Y Y G M L D H K A P S
UniRef90_Q4PFH3 UniRef90_I9W158	A WIVIGKTEQQILI KAEGRETKA GQFPFMAN GRAILIGMGA A DG
UniRef90_UPI00021A3CF2 UniRef90_UPI0003685E9C	2 AWVGKTEEQL KEEGLTYKVGKFPF <u>S</u> ANSRAKTNADADG
UniRef90_D7WB84	A S M G Y T E E Q A K E K F S D K D I I K I V I A T F P F S A N G K A I L I G I L I A E S Q G
UniRef90_X8JH60 UniRef90_UPI0003B3146D	A WVGKTEQEL KADNIAYKVGKFPFAANSRAKTNADHEG A SFGLTEEQA KAEGYDVVVAQFPFTANGKAHGLADPTG
UniRef90_A5EXP7 UniRef90_Q6FYD5	
UniRef90_V9HK93	A SV G K T E E E E E K A A G I D Y N V G K F L F T A N G R A R A M Q K S D G A W V G K T E E Q L Q A E G I E Y K K G T S G F G A N G R A L G L G K A K G A W V G L T E T Q A K E Q G V K V E K G V F P W A A S G R S L S L G R S E G
UniRef90_A3K2D4 UniRef90_N2IS25	GTIVIGII IS F F Q A R F K G Y K II IR II I F Q T T F K P T K II IS II IT N F T F R T
UniRef90_K7QWE8 UniRef90_Q3AE67	A Ś V G L T E E E A R R A G Y R V K V G R F P L S A S G R A L T L G K T E G A M V G L T S Q E A E E K G L K _ I _ I T G K F P F Q A S G K A V A ME E T E G
UniRef90_G7UVD4 UniRef90_W1Q6I6	A WV GVT E T E A R A K GLKVGVA K F P WA A S G R A L GI G R T E G S S V G Y T L D Q A K E A G L N A K A V K F P L A G N G R A L I S L N A T E G
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UniRef90_UPI0003717158 UniRef90_UPI000374522C	A S V G Y S E K E A K E K G H N V K L G R F P F N L N G R A L S L N A T D G A W V G L S E Q Q A K K D G F E V K S G V F P F S A S G R A M A N N A T E G
UniRef90_W9VAV7 UniRef90_F8EC44	A WMGLTETKAKEQG PYEKGVFPWAASGRALGIHRDEG A SVGYTEKAA KEAGYEVKVGKFPFSASGKAKAAGTPEG
UniRef90_B9MG22 UniRef90_D9QI41	A S V G Y T E K A A K E A G Y E V K V G K F P F S A S G K A K A A G T P E G A W V G R T E Q Q L K E Q G T A Y R I G S F P F M A N G R A R A L G D T P G A S V G I T E Q G A R E A K R D V K I G R F P F R V N G K A V A A G D T D G
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UniRef90_F6DSE9 UniRef90_J6J8F7	A SIVIGIL IT E A K A K E Q K R DII IRIVIG R F P FIVIG N G K A II IAIL IG E D Q G
UniRef90_X5DGH3 UniRef90_UPI00020DA1BI	SSVGLT EAKAKEAGYEIKVGKFPYSASGKASAAGQKDG DATVGETPESV QANQLDVKVSKFPFAANGRAISMDETAG
UniRef90_H8MPQ4	D ATVGETPESV QANQLDVKVSKFPFAANGRALSMDETAG ASVGLTEKAKERG YDVKVGLAPFGAVTKSALSNESVG
UniRef90_W5Y6D2 UniRef90_H9KKR1	ASVGLTEAEAAHKGDVDVVV SRFRPMRNTLSGRQQRTGWVGKTEEDL KKEGVEYKVGKFPHLANSRAKTNLETDGASFGLT EAQARDEGFDVKVGKFPFSANGKAHGLGHAVGATTGLT VAEAKEQGLDVKKAQFPFAANGRAISMSSTNGASVGLTEAGAKEQGLEPKV GRFPFRVNGKAVAAGEPDG
UniRef90_A0A022LGA3 UniRef90_UPI0002492C30	A S F G L T E A Q A R D E G F D V K V G K F P F S A N G K A H G L G H A V G A T T G L T V A E A K E Q G L D V K K A Q F P F A A N G R A L S M S S T N G
UniRef90_B4RBV3 UniRef90_Q1QQS0	A S V G L T E A Q A K E Q G L E P K V G R F P F R V N G K A V A A G E P D G S S V G K T E E E L K Q A G T A Y T V G K F P F T A N G R S K V N Q T T D G
UniRef90_G9ZFI3	SSVGKTEEELKQAGTAYTV GKFPFTANGRSKVNQTTDG AWVGVTELQAAAQ NLDVRKAVFPWAASGRALANGCDYG ASVGKTEEEL KAAGVEYKSGKFPFTANGRARAMLHTDG
UniRef90_J2V2J5 UniRef90_UPI00047CF318	: A SIVIGILIT — E A K A K E A G R E II IRIVIG R E P E II IG N G K A II IA II IG E P D G
UniRef90_V4A6K4 UniRef90_A0A031K6Y7	A WV G K I E E ML
UniRef90_F8JD04	A S V G K T E E E L K A A G L A Y N V G K F P F T A N G R A K A L N Q T A G
UniRef90_UPI00036ECA98 UniRef90_D5C4P8	ASVGKTEEEL KAAGIAYNVGKFPFTANGRAKALNQTAG BGTLGLSEEAAREKYGDE VKVYQTDFNSMYYSFVKHKVKT SWAGRTEEALRD AGIEVRVGTFPFAASARANAMDGTEG
UniRef90_UPI000362A2F2 UniRef90_UPI00031727B3	GTVGLTEAQALAKYPAD I DIYKADFKPMKNTLSGSSERT ASVGLSESDA KAQGLEI I SGRFPFAANGRALSVNAGEG
UniRef90_B1LZV5	A S V G L S E S D A K A Q G L E I I S G R F P F A A N G R A L S V N A G E G A S V G L T E A K A K E Q G F S V K V G R F P F A G N G K A L A L G E P D G
UniRef90_B9M2I3 UniRef90_S6AA66	S WAGRTEEALRD AGIE V KV Y QTDFNS MY Y SFVK H KVKT S WAGRTEEALRD AGIE V R V GTFPFAASARAN AMD GTEG GTVGLTEAQALAKYPAD I DIYKADFKPMKNTLS GSSERT ASVGLSESDA KAQGLEI I SGRFPFAAN GRALSVNAGEG ASVGLT EAKAKEQGFSVKVGRFPFAGNGKAI ALGEPDG AMVGYTEGAARK AGFSVSVNTMPISAVPKAHVTGDTHG AWVGQTEQAL KLAGVEYSKGIFPFSANGRAHTLQETTG AAAGYTEKAA KEAGLDVKASKFPFGGNGRALSLNQTEG ASVGLTENQAKEQG YNVKVGKFPFQAVGKALVHGEKEG
UniRef90_E4KNH4 UniRef90_UPI00030308E5	A A A G Y T E K A A K E A G L D V K A S K F P F G G N G R A L S L N Q T E G A S V G L T E N Q A K E Q G Y N V K V G K F P F Q A V G K A L V H G E K E G
UniRef90_UPI000366FF7D	GTVGLTEDQARERF EAVDIYKSSFRSMKATLSNSAERV

QUERY	410 420 430 440 VMK MVCANKEEKVVGLHMQGLGCDEMLQGFAVAVKMGATK
UniRef90_UPI0003B56A58	FVK MI T D A E T D R V L G C H I V G P S A G D L I H E V C V A M E F G A S A
UniRef90_Q5LXD1 UniRef90_B7JUC1	FVK MITDAETDRVLGCHIVGPSAGDLIHEVCVAMEFGASAFVKILADKETDRILGAHIIGPAAGELIHEVCVAMEFGASALMKLIVHQESDKVLGAHMVGDHAAEIIQGVAIAVKMGATK
UniRef90_B4U2K9 UniRef90_F0IDT1	L MKL V VA G E E E T V V G L H G I G Y G V D E M I Q G F A V A L K M G A T K F V K V L A D A T T D E I L G V H I L G A R A S D L I A Q S V V A M E Y C A S A
UniRef90_B9R072	FAKVLSDVKTDQVLGVHUVGFGAGEMIHEAAVLMEFGGSA
UniRef90_UPI0004129ACB UniRef90_J9J038	V M K M V C A N K E E K V V G I H M Q G I G C D E M L Q G F A V A V K M G A I K F V K M I T D A E T D R V L G C H I V G P S A G D L I H E V C V A M E F G A S A E V K I L A D K E T D R I L G A H I I G P A A G E L I H E V C V A M E F G A S A L M K L I V H Q E S D K V L G A H M V G D H A A E I I Q G V A I A V K M G A T K L M K L V V A G E E E T V V G L H G I G Y G V D E M I Q G F A V A I K M G A T K F V K V L A D A T T D E I L G V H I L G A R A S D L I A Q S V V A M E Y C A S A F A K V L S D V K T D Q V L G V H I V G F G A G E M I H E A A V L M E F G G S A F V K I L T D A K T D E V L G V H M I G A R V A D L I T E A V T A M E F R A S A M V K I L T D A K T D E V L G V H I I G P N A G E M I A E G V L G M E Y G A A A P Y K M I C Q G K D E K V V G L H L I G E G S D E M I Q G F A V A I K M G A T K
UniRef90_J5T5F0 UniRef90_A0Z2L0	P Y K MI
UniRef90_E0UCH9 UniRef90_UPI00041F9A40	MMKLIVDQASQRVLGVHMVGEDAAELIQGMAIALRMGATK LMKLVVEKATDRVLGAHMVGEHAAELIQGVAIAVKMGATK LMKLVVDASDRVLGAHMVGEEAGELIQGVAIAVKMGATK LMKLVVDDASDRVLGAHMVGDSAAEIIQGVAIAVKMGATK LMKLIVDDAKTDKIVGAHMVGDSAAEIIQGVAIAVKMGATK LMKLVVDAKTDKVLGCHMVGDSAAEIIQGVAIAVKMGATK LMKLVVDAKTDKVLGCHMVGPDAGEIVQGLAIAVKMGATK
UniRef90_L8LTI3	L MKL I V D D A 3 D K I V G A H M V G D S A A E I I Q G V A I A V K M G A T K L MKL V V D A K T D K V L G C H M V G P D A G E I V Q G L A I A L K S G A T K
UniRef90_Q87XC9 UniRef90_G0IW21	L MKL I V D G N T D K I V G A H M V G D S A A E I I Q G V A I A V K M G A T K L M K L V V D A K T D K V L G C H M V G P D A G E I V Q G L A I A L K S G A T K L V K V L A D A E T D E I L G V H M I G P R A A D M I A E A V V A M E Y R A S A
UniRef90_A6FKU8 UniRef90_C8S3B1	LMKLIVSQETRRVLGCHIVAPGAGEMIQLAGIAVKMGATKFVKLLADKATDRILGCHIIGPGAGDLIHEVCVAMEFGASAYFKLICVGKEEKVIGIHGIGEGMDEILQGFAVAMNMGATK
UniRef90_K2K9M7 UniRef90_E1SVB5	Y F K L I C V G K E E K V I G I H G I G E G M D E I L Q G F A V A M N M G A T K E M K L V C V G P E E K I V G L H G I G F G M D E I L Q G F A V A I K M G A T K
UniRef90_UPI00037F12AE	VMKLIVODA DT DKVLGA HILGPDA GELLA QVLGI TLQMGA TK FVKI LIDA ETERMLGA HIIGPNA GEMIA EA GLALEYGA SA
UniRef90_Q6FUN7 UniRef90_L1NY52	FVKI LIDAETERMLGAHI I GPNAGEMI AEAGLALEYGASA FVKI LADKTTDEVLGVHI I GARAADMI AEAVTAMEFKASA
UniRef90_E0XRC4 UniRef90_N9CMX9	L VK V L A D A E T D E I L G V H M I G P R A A D M I A E A V V A M E Y R A S A L M K L I V S Q E T R R V L G C H I V A P G A G E M I Q L A G I A V K M G A T K F V K L L A D K A T D R I L G C H I I G P G A G D L I H E V C V A M E F G A S A Y F K L I C V G K E E K V I G I H G I G F G M D E I L Q G F A V A M N M G A T K E M K L V C V G P E E K I V G L H G I G F G M D E I L Q G F A V A I K M G A T K F V K I L I D A E T E R M L G A H I I G P D A G E L A Q V L G I T L Q M G A T K F V K I L I D A E T E R M L G A H I I G P N A G E M I A E A G L A L E Y G A S A F V K I L A D K T T D E V L G V H M I G P R V A D L I A E A V T A M E F K A S A F V K V L A D A N T D E I L G V H M I G P R V A D L I A E A V V A M E Y R A S A K K K K L V C V G D E Q K V V G V H G I G Y G M D E I L Q G F A V A V K M G A T K F V K I L A D A K T D E V L G V H M V G E G A G E L M Q G F A V A L Q C G A T K F V K I L A D A K T D E V L G V H M V G E N A G E I I Q G V A I A I N M G A T K F V K I L A D A K T D E V L G V H M V G E N A G E I I Q G V A I A I N M G A T K F V K M I A D E A T D R I L G V H M V G G I A S E L I A E A V M A M T F K A T S M M K L V V D A S T D K V L G A H M V G G N A G E I I Q G V A I A I N M G A T K F V K M I A D E A T D R I L G V H M V G G I A S E L I A E A V M A M E F R A S A M V K L I F D A K Y G E L L G A H I G A R A A D L I A E L G V A K G L E V T P F V K I L A D E K S D R V L G A H I I G A R A A D L I A E L G V A K G L E V T P F V K I L A D E K S D R V L G A H I I G A R A A D E L I A E L G V A K G L E V T P F V K I L A D E K S D R V L G A H I I G A R A A D E L I A E L G V A K G L E V T P F V K I L A D E K S D R V L G A H I I G A R A A G E L I A E L G V A K G L E V T P F V K I L A D E K S D R V L G A H I I G P H A G E L I A E L G V A K G L E V T P F V K I L A D E K S D R V L G A H I I G P H A G E L I A E L G V A K G L E V T P F V K I L A D E K S D R V L G A H I I G P H A G E L I A E L G V A K G L E V T P F V K I L A D E K S D R V L G A H I I G P H A G E L I A E L G V A K G L E V T P F V K I L A D E K S D R V L G A H I I G P
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UniRef90_C3X445 UniRef90_G6G044	MMKL V VD A S T D K V L G A H M V G E N A G E I I Q G V A I A I N M G A T K
UniRef90_UPI00037FD0A4 UniRef90_V6SK24	F V K M I A D E A T D R I L G V H M V G G I A S E L I A Q A A I A M E F G S T A F V K I L A D A K T D E V L G L H M I G A R A A D L I A E A V T A M E F R A S A M V K L I F D A K Y G E L L G A H I I G A E A T E L I A E L G V A K G L E V T P
UniRef90_H1XUL4	MVKLIFDAKYGELLGAHTIGAEATELIAELGVAKGLEVTP
UniRef90_J9YS57 UniRef90_A0A024IE92	FVKI LADEKSDRVLGAHI I GPHAGELI AEI GI AMEFGASS LMKLVVDTKTDRVVGLHMVGAEAGELVQGFAVALKAGATK
UniRef90_Q5WFA8 UniRef90_A0A016QLK4	FVKILADEKSDRVLGAHIIGPHAGELIAELGVANGERVIP EVKILADEKSDRVLGAHIIGPHAGELIAELGIAMEFGASS LMKLVVDTKTDRVVGLHMVGAEAGEIVQGFAVALKAGATK FMKLVTRKEDGLVIGGQIAGPNASDMIAEIGLAIEAGMTA FVKVVADADTDKILGVHMVGPNVSELIGETVAIMEFGGSA FIKLIADKETGVLVGAQVVGYEASNLIAELGLAIEMSATL FMKLIVETNTDRVLGAHMVGKDSAELIQGVAIAVNMGATK
UniRef90_T0BQL0 UniRef90_A0YXB0	F V K V V A D A D T D K I L G V H M V G P N V S E L I G E T V A I M E F G G S A F I K L I A D K E T G V L V G A Q V V G Y E A S N L I A E L G L A I E M S A T L F M K L I V E T N T D R V L G A H M V G K D S A E L I Q G V A I A V N M G A T K
UniRef90_D5RI63	FVKI LADKET DKVLGAMWUGKDSAELI QGVAI AVNMGATK FVKI LADKET DKVLGVHI LGPDAGTLI AEAAI AMEFGASA FMKLVTRKDDGLVI GAQLAGPNASDMI AELGLAIETGMTA
UniRef90_UPI00047E435E UniRef90_K2L6A8	FÜKI LÄDKETDKVLGÜH LGPDAGTLIÄEAAI AMEFGASA FMKLVTRKDDGLVIGAQIAGPNASDMIAELGLALETGMTA LVKTVFDAKTGELLGAHMVGAEVTELLQGFVVAMGLETTE
UniRef90_A0A011NT11 UniRef90_Q4PFH3	L V K T V F D A K T G E L L G A H M V G A E V T E L I Q G F V V A M G L E T T E F M K L I V D K A S D R V V G A H M M G P D A G E M Q G I A I A M R A G A T K A F K M V V A P G D K V V G L H I V G L G A D E M L Q G F A V A I K M G A T V F V K V I A D A K T D E I L G V H I I G A N A S D L I A E A V V A M E F K A A S F V K I L S D K T T D R M L G A H I V G A T A G E L I N E T V L A L E Y G A S A F V K L V F D N K Y G E L L G A H I I G S E A T E M I A E L G M A K A L E S T W F G K L V V D G E Y G E I I G C H L V G A N V S E L L P E I N L A Q R F D L T A V V V K F I V F K F T D R V I G C H L V G A N A S E M L A S A V L A L E Y S A S A
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UniRef90_D7WB84 UniRef90_X8JH60	
UniRef90_UPI0003B3146D	VVKFI VEKETDRVLGCHI I GPNAGEMI ASAVLATEYSASA FVKVI ADKKHLELLGAHMI GPDVSELLPELTLAQKWDLGA FVKLI VDKASQRVI GGATVGPNAGDMI GELALATEMNAVP
UniRef90_A5EXP7 UniRef90_Q6FYD5	FVKLLADKKTDRVLGGHLLGFGASEMI HELAVLMEFGGSS
UniRef90_V9HK93 UniRef90_A3K2D4	F V K I L A D K K T D R V L G G H L L G F G A S E M I H E L A V L M E F G G S S T L K V L S C A K T D R I L G V H M I G P M V S E L I A E A V V S M E F K A S S M T K L I F D P E D Q R V I G G C M V G P N A G D L I A E V A L A I E M G A D A
UniRef90_N2IS25 UniRef90_K7QWE8	LIMKL V VDA ET DKV LIG <mark>CH M</mark> V GPDA PEQII QCLAVIALLIK A GA TK
UniRef90_Q3AE67	LIKVVGDEETDLLLGVHILGPAASDLIAEAALALEMGATVFVKIIADFYTHRILGGHIVGPHATDLIGEIALAVQKGLTLFTKLIFDEATHRIVGGAIVGVHAGDLLAEIGLAIEMGAEAFVRLVVDKEDNTILGAQVAGVNASDIIAELTLAVEGGLNAIMKLVVDKKTDKVLGAHMVGTNAAEIIQGIAIKMGATK
UniRef90_G7UVD4 UniRef90_W1Q6I6	FTKLIFDEATHRIVGGAIVGVHAGDLLAEIGLAIEMGAEA FVRLVVDKEDNTILGAQVAGVNASDIIAELTLAVEGGLNA IMKLVVDKKTDKVLGAHMVGTNAAEIIQGIAIAIKMGATK FVKIVSDADNGLVLGAQIAGLEASNLIAELGLALEMGATV
UniRef90_D7E1D6 UniRef90_UPI0003717158	
UniRef90_UPI000374522C UniRef90_W9VAV7	FVKI VSDADNGLVLGAQIAGIEASNLIAELGLAIEMGATV MAKI VTDAATDRVLGVHIIGQHAGELIAQGVIGMEFGSSA LTKLLFDPETKRILGAGLVGPNAGELIGEAVLALEMGADM
UniRef90_F8EC44	FVKVI FDAKYGEWL GAHMI GTNVTEMI AEVVVARNLETTG LVKVI ADPATDEI LGVHVVGPQASELVAEAVI AMAFKASS FVKVI FDAKTGEMCAHMI GHEVTEMI QGYTAIAMAFKASS
UniRef90_B9MG22 UniRef90_D9QI41	FVKVIFDAKYGEWLGAHMIGTNVTEMIAEVVVARNLETTG LVKVIADPATDEILGVHVVGPQASELVAEAVIAMAFKASS FVKVIFDTKTGALIGAHMIGHEVTEMIQGYVTAIAMEATE
UniRef90_Q9PJI3 UniRef90_F6DSE9	FVKVIFDTKTGALIGAHMIGHEVTEMIQGYVTAIAMEATEFAAIISHETSQQILGAYVIGPHASSLISETTLAIRNELTL FVKVVTHAETDRILGVHLIGGAHVGAEVTELIQGYVVAMNLETTE FVKVVTHAETDRILGVHLIGGAHVGAEVTELIQGYVVAMNLETTE FVKLIFDAKYGELLGAHMIGGNVTEMIAEMVVAKKLEITG FIRLISDKTTNAVLGAQIVGPSASDLIAELALALENGLTT LIKIVSDKKYDEVLGIHIIGPHATELLAEACVAMKLEITT FMKLVVDQASQVVVGAHMLGDDAPELLAEACVAMKLEITT FMKLVVDQASQVVVGAHMLGDDAPELLAEACVAMKLEITT FWKVVLADKNTDRLLGVHMIGDDAPELLAEACVAMKLEITT FVKVVLADKNTDRLLGVHMIGDDAPELLAEACVAMKLEITT FVKVVLADKNTDRLLGVHMIGDDAPELLAEACVAMKLEITT FVKVVADGTHGELLGAHMIGDDAPELLAGASA FVKVVADGTHGELLGAHMIGDDAPELLTLAGETGATL LVKTIFDGKTGALIGAHMVGHEVTEMIQGFAMAMTLEATE
UniRef90_J6J8F7	UKVIFDKQTGQLLGAHMVGAEVTELIQGYVVAMNLETTE
UniRef90_X5DGH3 UniRef90_UPI00020DA1BD	FVKLIFDAKYGELLGAHMIGGNVTEMIAEMVVAKKLETTG FIRLISDKTTNAVLGAQIVGPSASDLIAELALALENGLTT LIKIVSDKKYDEVLGUHLIGPHATELLAEACVAMKLEITT
UniRef90_H8MPQ4 UniRef90_W5Y6D2	L
UniRef90_H9KKR1 UniRef90_A0A022LGA3	FVKVLADKNTDRLLGVHMIGSVAGELINEAVLALEYGASA
UniRef90_UPI0002492C30	FMKL VVDQASQVVVGAHMLGDDAPEI MQGLAI AVTAGLKK FVKVLADKNTDRLLGVHMI GSVAGELI NEAVLALEYGASA FVKVVADGTHGELLGAHLI GPDVSELLPELTLAQMWDLTA FVKLVFEKDSQAI VGAQLVGPNASDLI TELTLALETGATL
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UniRef90_F8JD04 UniRef90_UPI00036ECA9B	FVKILLADATTDRIVLGVHI GAVAGELI AEACV IMEFSGSA YMKLIVVGKDEKIVGCHAMGKGVDEMMOGFAVALKMGATK
UniRef90_D5C4P8	YMKLIVVGKDEKIVG <mark>C</mark> HAMGKGVDEMMQGFAVALKMGATK LVKVVADANTDQLLGVHIIGPWASELIAEAVLAMEFAASS LMKMVVVRSTDKVVGMHMVGPDAGEIIQGFSVAIRAGATK
UniRef90_UPI000362A2F2 UniRef90_UPI00031727B3	EI KLVADKETHVLLGAQIVGPGASDLIAEMGALALEMGAVL
UniRef90_B1LZV5 UniRef90_B9M2I3	LIKTVFDAKTGQLLGAHMVGAEVTELIQGYVVAMNLESTE AIKMVADSESGRLLGVHCCCHRGADVINEAALAIRFKITI
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UniRef90_UPI0000E0F495 UniRef90_UPI000469D51D UniRef90_UPI00046354D3 UniRef90_F5RA43	DV L V I GA GP G G Y V A A I R A A QL G K S V T I V D V D E V G G V A H Y DV V V I GA GP G G Y V A A II R A A QL G I S T A II I F F K Y W G G V
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UniRef90_L0AFE4 UniRef90_F2RE94 UniRef90_Q0UZV7 UniRef90_J0UNG4 UniRef90_B8LRK1	D V L V V G A G P A G Y V A A I R A G Q L D D V T L V E K D A Y G G T M S D F D V V V L G A G P G G Y V A A I R A A Q L G K R V A V V E E K Y W G G V E E K D V Y U I G A G P G G Y V A A I K A G Q A G M K V A C V E K R G S G G T K Q F D V V V I G A G P G G Y I A A I K A G Q A G M K V A C V D A W S T A E G D F D L F V I G A G S G G V R S A R T A A G L G A K V A I C E L P F H P I T M K T Y D A I V I G A G P G G Y P C A I R L A Q L K Q K V L C I E K E N V G G V V A V U G A G P G G Y V A A I R A G Q L G L D V T L V E K D A Y G G T Q Y D L I V I G S G P G G Y V A A I R A T Q L G L K T A I V E R E A L G G I Q F D L I V I G G G P G G Y V A A I R A A Q L G M R T A L V E R E H L G G I H Y D L I V I G G G S G G L G A A R R A A Q L G K K V A V I F K K Y W G G T H Y D V V V I G A G P G G Y V A A I R A A Q L G K K V A V I F K K Y W G G V
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UniRef90_UPI000380F944 UniRef90_D7B989 UniRef90_K4IWS2 UniRef90_Q60151 UniRef90_UPI00041C21EC	DVDLFVI GAGSGGVRAARIAAWKGAKVL VAEEFRVGGT HFDLVVLGAGPGGYVTAIRAAQLGLKTAVIEEKYWGGV MSKYDLI VLGSGPGGYVAAIRASQLGLKTAVIEKESLGGV VKEYDYI VI GGGSGGIASANRAAMHGAKVI LFEGKEVGGT QDYDLVI I GGGTGGYVAAIRASQLGLKTAVVEKGKLGGT MK YDLAI I GAGPGGYVAAIRASQLGLKTAVVEKGKLGGT
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UniRef90_A0A024PKY2 UniRef90_Q72T62 UniRef90_UPl0003624849 UniRef90_P43784	H F D V V V L G A G P G G Y V A A I R A A Q L G L R T A I V E A K Y W G G V D Y D L F T I G A G S G G V R A S R V S A S H G A R V A V A E E H R V G G T M P A H Q V V V I G A G P G G Y V A A I R A A Q L G L D V A C V E K E R A G G T Q E Y D L V I L G G G T G G Y V A A I R A S K L G L K T A I V E K R E L G G T E S Y D L T V I G A G P G G Y V A A I R A A Q L G M N V C I I E K D K P G G I D T I V V G S G P G G Y V A A I R A A Q L G M N V C I I E K G P I G G V V V V L G A G P A G Y S A A F R C A D L G L E V I V E R Y S T L G G V

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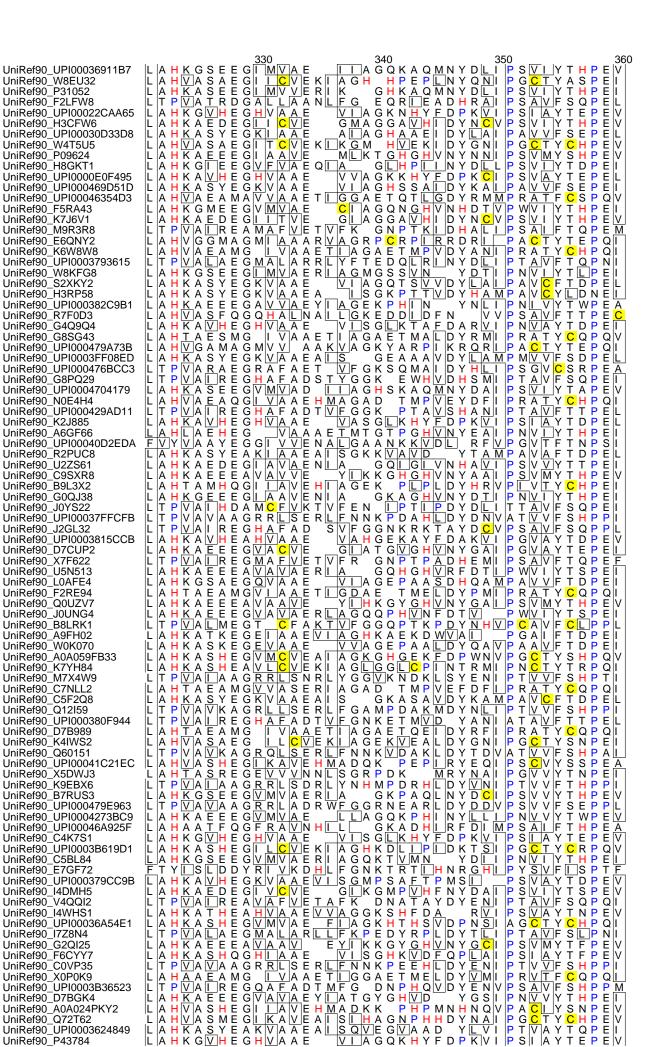
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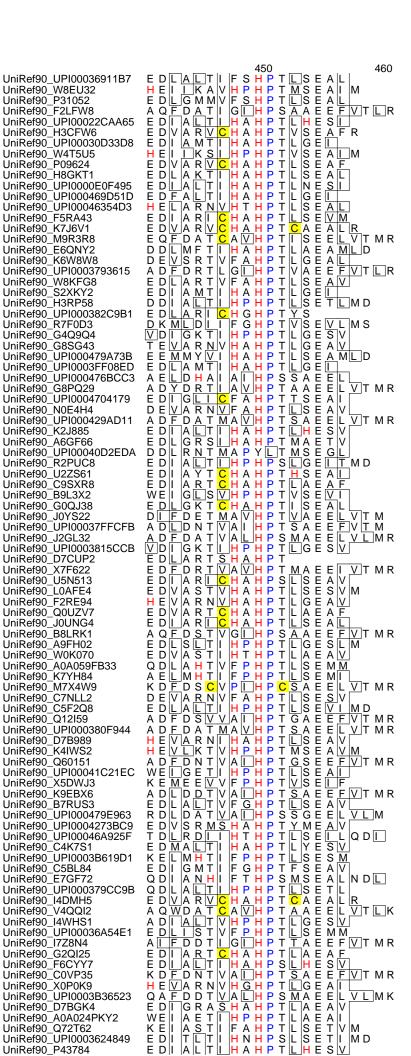
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UniRef90_UPI0000E0F495	VIGADIVIA GIVITIVIDER GEITINIVIDE (GMR I NIVI <mark>PH</mark> ITIE AT IGDIT VIGQEM
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UniRef90_UPI000379CC9B	I DAEKAGVAVNDWGFI EVNERQETNVGNI YALGDLVGQPM
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UniRef90_UPI0002235B8F	K MA E A VQ N H V K S L N W G H R V Q L Q D S K T I F F Y F N L K A S F V N K
UniRef90_L2F737 UniRef90_F0ZDY0	EFKQKRDAYVHRLNGIYQKNLEKEKVDVVFGWARFNKDGNVIKEKRDAYVSRLNEIYQNNLNKAHIETIQGQASFTTEPEVLKKNRQAYIDSIHKSYERSFQQSGVTHLTGFARFIDAHHKLNDHTDSIKSRLSDGLTSMSKIRKVNVIKGTGEFIDSNSKMAEAVQNHVKSLNWGHRVQLQDSKTIFFYFNIKASFVNKTUVKSRNAYIEHVHKVYDRGFEKNNVTVINGFAKFIDKNR
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UniRef90_A0A037UKY2 UniRef90_UPI000360958E	K M Q E R K A K V V T Q L T K G V E F L L K K N K V D L I K G E A K A I D K N T R L R S H K E K V I G K L T G G L T G M A K A R K V E V V R G Y G S F L D P H H Q R K D G I V S N L R Q G V E A L M H Q P G I T L I Q G K A A F R S K H S
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UniRef90_B4SBH5	EAVKRSRSV VQKLISKĞLA FLÜRRA QVEV I QĞEALFSG <mark>VH</mark> İ

UniRef90_A4XRA5 UniRef90_N0B4X0	130 140 150 160 VQVKLHEGGERTQNLVIASGSEPT PLPGVEIDNVRILDS LRLLSEDGRERFEKAIIAAGSEAVALPFLPAD PRIVDS
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UniRef90_I2JJN8 UniRef90_H0IYY2 UniRef90_A1AXL4	RDRQEGMEEL VAKKIII AAGSVPVAII PPAPVDQNII VDS
UniRef90_B1Z4B6 UniRef90_F1YJ26	RVVEVNGERMTANHILIATG <mark>C</mark> RPSRPDIP GAEHGIDS UVVGDREITFDNVIVDTGSTVRLLPGVALSENVV TY
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UniRef90_R5JL08 UniRef90_A7HBV5	V K V T L P D E E L Q G K E L F L N T G S T S L P A L D G L R D S K R V Y T S L D V F L P G F A F D G K D V WS A C T T T T T T T T T
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UniRef90_K5i212 UniRef90_UPI00030CD2C9 UniRef90_A6FRD7	VRIEAENRTVTANHILIATGGRPNPHAALPGHEH <mark>C</mark> IF S VSVKTDSGAQEAPHIVLATGARAR <u>ELP</u> GLEADGDLVWTYK
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UniRef90_A8NGY9 UniRef90_D5BMN6	VEVTRPDGTKYADHITI AVGGSPTIPSDDVIPGASLGIDS VTITKDKGAYKAENILI ASGSHPSSLPGIDI DED RIVSS VAVTTADETYRADHVILATGARPR PVPGVIPDGDRIWTY
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UniRef90_B3R4M3 UniRef90_J9Z2L5	I Q G D K K E T V D A N Q F I I A S G S E P T E L P F A P F D G K W L L N S S K Q T T G K K T V I R F E K A I I A A G S Q A V K L P F L P E D P R I V D S Q K L K V G K K T Y Q A K K F I I S T G G K P R L P N L S K N T K L I N T S
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UniRef90_UPI00047CA29C UniRef90_K4A7W7	VISIVID GREYTAKNI LIAVIGGRESKENTE GITEHAIIDS
UniRef90_UPI000376C1CF UniRef90_S3Y345 UniRef90_UPI0002559D71	V E V I D G K T E V E A G S V L L A V G S V P V S L P Q I P F D G R R V I G F L D V T T D D Q K V S F A N C I I A T G A T A K L L P G T Q K S A N V Y T Y V D V T D N V T E Y D A D H I V I A T G A R S R E L P N L P Q D G K K V I G Y
UniRef90_F2G723 UniRef90_I1E112	V EVNGEQYTADHITIIAVGGRPTIPDI EGAEHGIDS
UniRef90_B6AY04 UniRef90_UPI00046AC838	MQVETADGQKNFEHCIIAAGSSAARIPGFPYDDP RIIDS
UniRef90_UPI0003F704F7 UniRef90_L0DZB2 UniRef90_D6Y969	FSI NGRKLTARAFVISTGSRAAIPNIP GLNQAGFLTN LAVEGPDGRQVFEHAIIAAGSRAVRLSGFPWDDPRV MDS GRVVVVGDRVYEGRYVVLATGSAPKSLPGLEIDGEKIITSD VEVTAADQTLEARNIVIATGSEPTPLPGVAFEAGKV IDS
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UniRef90_M1M3P1 UniRef90_UPI0002235B8F UniRef90_L2F737	LYVKSKDEMIHFQYAIIATGSNPITMPFLPKDERVV DSHTVCGVTKGGKADHIVIATGGRPKYPLHVEGALEYG ITSVEVTLQNGDIQADKIVLAMGGRPTRPNI DGQQFGIDS
UniRef90_F0ZDY0 UniRef90_L2RRV7	VEVTMNDKTLETKNLVI ATGSEVSTGALSNVIDEESLVSS NTVTVSGQTYSAQRFLI ATGASPLLPRI TGLKEVDY LTS
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UniRef90_P48640 UniRef90_E4N146 UniRef90_E9DV44	EITVTLNDVFTADKFFLNTGEKPSVPKIDGIESVNY LTS HTVDVNGKLYSAKHILVAVGGRPFIPDIP GKELAIDS LQNGGGFEVVTFDHCVIAAGATTRLL PGTALSERVVTY NTVEVNGNQITAKRFLIATGASPSVPNISGLNEVDY LTS
UniRef90_F9DY44 UniRef90_U3AH32 UniRef90_I0V810	VE LSDGTRKTAKHILVATGGRPVRPD MTNAHLAMVS
UniRef90_I0YJI6 UniRef90_J3Q5S5	V EVNGKRYTARNILIJATGARATVPPI PGSEHALI S
UniRef90_E0RDB5 UniRef90_Q6LLT9 UniRef90_I0I9M2	FSPDGEMETIVPAHLII ATGSRPRVLSGLEPDGEFILSSD KNADNSTDLYSADKFVI ATGSRPYHPEGVD FDHSRVYDS FKPDVQERTVTAAYFII ATGARARSLPGTQIDGDRVIQ VNVVPADGSEEFDQIFI NTGSTPFVPPIEGIEGNPQVYLS
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UniRef90_H2DL28 UniRef90_H0EB13 UniRef90_C6XJS8	VEVTQDDGTKNAKKI LVAVGGKPTPP PAIPGAEYGIDS VSVGGEVHTASKAVVLATGSVRRAIPGVEYGGRVIGTEDA APHVIVKDGKGAKHVIMATGARARIPQAGLVPDGDRIWSY
UniRef90_A0A037UKY2 UniRef90_UPI000360958E	V E V A G K R Y L C A N L T A T G S V S R L P G F E Q A E K A G Y V T S S L Q Q D R S G E K K V T R F Q K V T T A A G S Q S V K L P F L P E D P R T V D S
UniRef90_D1PV33 UniRef90_B4SBH5	V V G D E E I E A D H I I I A T G S T A K P P I P G Q P M S Q H V V T S F R D G V C V E T V Q S N H I I I A S G A R S R Q L P G L E P D G R H I I I T S

	170 180 190 200
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UniRef90_UPI00046AC838	
UniRef90_UPI0003F704F7 UniRef90_L0DZB2	E QIFSI Q N C P E S L A I F G G G P I G C E L G Q A F S R L G S K V T I L S T G A L E L A D I P K R L L V V G G G I I G L E M A C V Y D A L G S K V T V V E
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UniRef90_B4W6C9 UniRef90_P41921	T G A L S L P A V P K K L I V I G A G L I G L E L G S V W R K L G A E V T V V E D G F F R L E E Q P K K V V V V G A G Y I G I E L A G V F H G L G S E T H L V I
UniRef90_K7G277	D G F F R L E E Q P K K V V V V G A G Y I G I E L A G V F H G L G S E T H L V I D G F F E L E E L P K H S V I V G A G Y I A V E I A G I L S T L G S K T S L L I D G F F E L D Q V P D R T A I V G A G Y I A V E I A G I L K A L G S T T H L L V
UniRef90_E4L4U7 UniRef90_M1M3P1	DĞFFELDQVPDRTĀI VĞAĞYI AVEI AĞI LKALĞŠTT <mark>H</mark> LLV TG <u>AL</u> KLSK <u>L</u> PEKMLLI GGG <u>I</u> I SLE <u>I</u> GT <u>I Y</u> SSL <u>GAN</u> IDL <u>V</u> E
UniRef90_UPI0002235B8F	D G F F R L E E Q P K K V V V V G A G Y I G I E L A G V F H G L G S E T H L V I D G F F E L E E L P K H S V I V G A G Y I A V E I A G I L S T L G S K T S L L I D G F F E L D Q V P D R T A I V G A G Y I A V E I A G I L K A L G S T T H L L V T G A L K L S K I P E K M L L I G G G I I S L E L G T I Y S S L G A N I D L V E D D I F W L K E S P G K T L V V G A S Y V A L E C A G F L S G L G L D T T V M M D Q L F D L T K L P N R V A V V G G G Y I G V E I S G V F N G L G V K T H L I L
UniRef90_L2F737 UniRef90_F0ZDY0	T G A L K L S K L P E K M L L I G G G L I S L E L G T L Y S S L G A N I D L V E D D I F W L K E S P G K T L V V G A S Y V A L E C A G F L S G L G L D T T V M M D Q L F D L T K L P N R V A V V G G G Y I G V E I S G V F N G L G V K T H L I L T G A L S L K T V P K D L I V I G G G V I G L E L G S V Y S R L N S K T T V I E T T L L E L R K V P K R L T I I G S G Y I G R E L G Q L F H N L G S E V T L I Q T S I M E L T E L P A Q L V I V G G G Y I G L E F A S M Y A S F G S Q V T V L E D G F F A L R E L P K A V L V L G G G Y I A A E L S G V I H G L G S Q V T W A Y
UniRef90_L2RRV7	T GALS L K T V P K D L I V I G G G V I G L E L G S V Y S R L N S K T T V I E T T L L E L R K V P K R L T I I G S G Y I G R E L G Q L F H N L G S E V T L I Q T S L M E L T E L P A Q L V I V G G G Y I G L E F A S M Y A S F G S Q V T V L E
UniRef90_I9IZM1 UniRef90_E6LED0	T GALS L K T V P K D L I V I G G G V I G L E L G S V Y S R L N S K T T V I E T T L L E L R K V P K R L T I I G S G Y I G R E L G Q L F H N L G S E V T L I Q T S L M E L T E L P A Q L V I V G G G Y I G L E F A S M Y A S F G S Q V T V L E D G F F A L R E L P K A V L V L G G G Y I A A E L S G V I H G L G S Q V T WA Y D E A L N L K A L P E S L V I I G A G V I G L E F A A M L G H A G V K V T I L E
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UniRef90_UPI0002BCD6D4 UniRef90_UPI00042465A4	DDLFSLPYCPGATLVVGASSVALECAGFLAGLGLEVTVM TTLMELDSLPEHLLVLGSGYLGLEFGQMFKRFGSKVTLE DAALDLPTKPVKLALVGGGYLALEFAGLFNGLKSEVHVFL
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	T S L LELK KVPK RL TV LGS G Y I GLELG Q L F H H L G A E V T L I Q
UniRef90_U3AH32 UniRef90_I0V810	D D I F D L E T L P E S I L I V G G G Y I A C E F A C I L H G L G V K V T Q F Y D G A L G L T F L P G R L V L V G G S A V G V E W A S L F A A F G S F V S L V F
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UniRef90_C3LGV0 UniRef90_R5QDV3	HA MSLKNI PKSLLIVGGGVIG <mark>C</mark> EFASI YŠRLGTKVTIVE REILDMKEAPASLAVIGGGVIGLEMASYFNSIGTKVTV <u>IE</u>
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UniRef90_N0B4X0 UniRef90_UPI00046776C1 UniRef90_E6QSJ6	Y L E R I C P G L D G E T A K T L Q R T L G K Q G M S F K L G T K V T G A K T S V L D G L M L G A D R D L V A V W Q K V N A R R F D R V M L Q T R V I A A E A K R G D N I L R G F D D D V R A H V R S E M E K E G I T I L T G C T L E K V D R Y R R E H V L D S F D V M L R E N L M E N M V E S G I D V L T H C H A S A L Y K E A L E S F L P A V D G Q I A K E A A K V F K K Q G L D I R L G A R V T G T K I V N R D S L L S F L D D E I S D A L S Y H L R K H G V L I R H N E E Y A S V E G D L S D Q L I T S A D K D I V N P L E R R I K K Q Y T N I F L N T K V I N M N A L R K N T P M R H L D P L L S D T L V E V M K S D G P T L H T H A I P K A I Q K N F M P R V L P N E D A D V S K E I A K A Y K K L G V K I L T G T A V Q T V D D N R H D K V L R H F D S V I S S N C T E E L E N A G I E V L K Y S Q V R E V K Q T G A D Q V L P G F E A E L I R P V V R K L Q D N H C D I F T R A V A D R V E Q Q M L D R L M Q G P D A D A V K V W E K Q N L H R F D N V M L K T K T V A V E A K R G D L F L R G G P D R E I R E F T A Q E V A K K G V D L L F N N N I E S I E K Q F L D R M V P N E D K E V S A E L A K A Y K K L G I K V L T S T K V D S I D D S
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UniRef90_UPI000328EA0D UniRef90_S9SRI5 UniRef90_H0Q1G7	RHDKVLRHFDSVISSN <mark>C</mark> TEELENAGIEVLKYSQVREVKQT GADQVLPGFEAELIRPVVRKLQDNHCDIFTRAVADRVEQQ
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UniRef90_B4FWU6 UniRef90_P0A0E5 UniRef90_R5I2Y2	R S E R L F K T Y D P E I S E A I D E S L T E Q G L N L I T G V T Y Q K V E Q N Y L D R L L P V E D D D V S A Q I S R S F R K A G I K V M T A A Q V K S V D T S
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UniRef90_K9ET44 UniRef90_M5E6N9 UniRef90_S9UV45	RNEKFLRNEDE ISDTLMDYMGQTGLQVHTHSNVKKVEGK FLPRCAASVDADVSKVLITS <mark>C</mark> LEKRKMVFKTNTKVVISGEVI
UniRef90_H1Q0U8 UniRef90_F0SMC6	FLKECLPPVDSEIAKRLRKGLEKRGTAFHMQSAVTETTLT MLDGLLPGADRDLVKPLQKRLEKQLHAIHLNTKVLGLEAT
UniRef90_UPI000362DA2E UniRef90_C4K7F5 UniRef90_I0K604	FLDRV VPLEDEEVSAELAKRYKRLGIEVMISIRVDGIEDI HEAPLRHFDGLIVSTLLEIIHNSTLKLHTKTQVAQVIKN RDGHLLPHEDPDISEALAQILTYEGINIRYNTAVTQVRQP
UniRef90_A1B892 UniRef90_E1W3T5	R G D A V L R G F D G E M R R H V T E Q L R A I G V D V R L G T N P A R L D R E R Q H A P L R N Q D P L I V E T L V E V L A Q D G I Q L H T K A L P E E V V K N
UniRef90_X5LG77 UniRef90_I3YRA1 UniRef90_A8NGY9	Y MPR MMPLE DE EVSKT MERAFRKL GLUTI I AARVETVET Y MPR MMPLE DE EVSKT MERAFRKL RAAVLTSTTVKSVRVN R G Q T V L R T F D P T II Q E T L T P WME H T G V H II H K G S N V T R II D G A
UniRef90_D5BMN6 UniRef90_V9XJG2	FLPRI LPGMDSEI AKKEMTIAKKQGLSEKIKTAVKSAKAS MAPQI MPVEDFAVASHVRRQFEQRGI KIHTGASVSELAAG
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UniRef90_W6KE33 UniRef90_UPI00047CA29C	
UniRef90_K4A7W7 UniRef90_UPI000376C1CF UniRef90_S3Y345	LMDRVLPAMDHSVSRAIQRSLEGAGIRVLVRSTVTSSEVS YADRMVPTEDREISAELLKAYKKIGIKVLTATAVKSVEDT
UniRef90_UPI0002559D71 UniRef90_F2G723	Y MP NV V PVE DE DV S K A F G N A L K K S G L K V M T N A S V E A V D T S R K H A PL R N F D P L L H E T L V D M L H A E G C K L H D H A S V E K V E K A
UniRef90_I1E112 UniRef90_B6AY04 UniRef90_UPI00046AC838	VMDRVLPVEDEEVSAFAKKSFVAQGMKIREKAMVKQVDRA
UniRef90_UPI0003F704F7 UniRef90_L0DZB2	SRNQI LPKEDPEAAKVVQDQL LSENIVI LNNTKAERVEIE LADTLMLGADROLVRPLEKRIRKRYENI LLKSKVAEAKAV
UniRef90_D6Y969 UniRef90_B4W6C9 UniRef90_P41921	Y A D R M V P T E D R E I S A E L L K A Y K K I G I K V L T A T A V K S V E D T Y M P N V V P V E D E D V S K A F G N A L K K S G I K V M T N A S V E A V D T S R K H A P L R N F D P I L H E T L V D M I H A E G C K L H D H A S V E K V E K A T R D R L L S F M D A E M S D A L S Y H F W N S G M T I R H G E E F D R I E G K V M D R V L P V E D E E V S A F A K K S F V A Q G M K I R E K A M V K Q V D R A L M D Q L I P G A D S D L V K P L H K R I Q K R Y E A I Y L K T R V T G I E S Q S R N Q I L P K E D P E A A K V V Q D Q L L S E N I V I L N N T K A E R V E I E L A D T L M L G A D R D L V R P L E K R I R K R Y E N I L L K S K V A E A K A V A L P H L L P L E D A S S S A L L E R A F R R R R G I K Y E L G T R F E S V K T T F L D R I T P G M D T E V A T A F Q R T L T K Q G M V F K L G A K V T G A K P V R G E T V L R K F D E C I Q N T I T D H Y V K E G I N V H K L S K I V K V E K N R Y D K V L R T F D S M I S S N C T Q E L E N A G I D V W K H S Q V V K S V T K S R H D R P L R H F D Q D I I A S L V E E M E K T D I D V W M T E S H V Q S V T K S I S D S L I S G A D R D L V N A W Y K V N S K R F G N L M L N T K V T G A K S T
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UniRef90_M1M3P1 UniRef90_UPI0002235B8F UniRef90_L2F737	RSIPLRGF DQQMASLVTEHMESHGGTQFLRGCTPLQVRRL RGEKPLKEFDADIVDTLVGVMKTDGTQLHPCTEINKVTKN
UniRef90_F0ZDY0 UniRef90_L2RRV7	FTNRIAAGADGEVAKKFQKSLEKQHMKFHLETKVTSVVKQ RSKRLLKEYDPEISEAMEKALIEQGIKLISGATYERVEQD
UniRef90_l9IZM1 UniRef90_E6LED0 UniRef90_Q24PW4	RKGLPLRTFDQMLSTNLVELYTQEMGI GMWQDAVAKI EKV LQDRI LPNEDRELAAELQKLMKRQGI IFKLSASVTEI HKI
UniRef90_UPI0002BCD6D4 UniRef90_UPI00042465A4 UniRef90_P48640	VRSQLLRGFDQEMAEKVASSMQQLGVRFLRKFVPVEVQQL PSERILKKEDADIAEEVVKILKEEDIQVLTNTKAKSVTNN
UniRef90_F48040 UniRef90_E4N146 UniRef90_F9DY44	FEDRMUPEEDADUSAELAKQYRKEGI QVLTSTRVDSI DDS RSERLLKEYDPELSEAITQALTEQGI NL <u>VT</u> GAT <u>YE</u> RVEQD
UniRef90_U3AH32 UniRef90_I0V810 UniRef90_I0YJI6	RYDKVLRIFDSMISSNCIQELENAGIDVWKHSQVKSVIKS RHDRPLRHFDQDIIASLVEEMEKTDINVMTESHVQSVIKN ISDSLISGADRDLVNAWYKVNSKRFGNLMLNTKVTGAKST RSIPLRGF DQQMASLVITEHMESHGTQFLRGCTPLQVRRL RGEKPLKEFDADIVDTLVGVMKTDGIQLHPCTEINKVTKN FTNRIAAGADGEVAKKFQKSLEKQHMKFHLETKVTSVVIKQ RSKRLLKEYDPEISEAMEKALIEQGIKLISGATYERVEQD GSSELISREDRDIADSVREVLEQKGIVFRLNARVQSVKDS RKGLPLRTFDQMLSTNLVELYQEMGIGMWQDAVAKKKIEKV VRSQLLRGFDQEMAEKVASSMQQLGVRFLRKFVPVEVQQL PSERILKKEDADIAEEVVKLLKEEDIQVLTNTKAKSVTNN RQKKVLRGFDBEIRDFVEEQMSVRGIEFHTEESPQAITKS FLDRMVPLEDADVSAELAKQYRKLGIEFHTEESPQAITKS RSERLLKEYDPEISEANTQALTEQGINLVTGATYERVEQD RGSSELIORMVPLEDADVSAELAKQYRKLGIEFHTEESPQAITKS RQKKVLRGFDBEIRDFVEEQMSVRGIEFHTESSTVTAITKS RQKKVLRGFDBEIRDFVEEQMSVRGIEFHTESSTVTAITEA RQPLPLRAGFDDEAARGLIAAKQYRKLGIUVLTSSTVVERWCP RGRAQILRGFDDEARRGLIAAKQYRKLGIUVLTSSTVVTAITEA RQPLPLRAGFDDEEVRNFVAEQSVAGLNLHPAAATPVERWEQD RGAQILRGFDDEARGLIAAKQYRKLGIUVLTSSTVVTAITEA RQPLPLRAGFDDEEVRNFVAEQSVAGLNLHPAAATPVEIRKG RQNQPLRTFDSIIRDFVEEQMSVRGIKTUVLTSSTVTAITEA RQPLPLRAGFDBEEVRNFVAEQYSVAGLNLHPAAATPVEIRKG RQNQPLRTFDSIIRDTVEEQGINLVTGAATPEKVEGT MLDQVLPLEDAAEVSAALQRSFTARGIULHKQSHVVKLLSTS MAPQLLPGEDEDIAAEISDSLSYHLLWNSGAMIRNGETFEKIEGT MLDQVLPLEDAEVSAEVQKKFNAGREEKKVGVKVLTGSSAGKKE MMDGLKFT
UniRef90_101316 UniRef90_J3Q5S5 UniRef90_E0RDB5	R Q N Q P L R T F D S I I R D T L T E H M E H A G I Q I H K Q S H V V K I S T S A A N Q L I P T E D E D V S R E M Q R L L T K R G V K V L T G S Q V L A K T Y G
UniRef90_Q6LLT9 UniRef90_I0I9M2 UniRef90_R5TGK4	TRHRILLEFILIDNEIISDSILSYHLWNSGAMIRNGETFEKIEGT MLDQVLPLEDAEVSAEVQKAFNKKGIKTLVSTRTEKVEVT NEARI I PREDEDII AAFII OKVIEFKGVOEVIGAAIISSI PKE
UniRef90_M1T3M7 UniRef90_C3LGV0	MMDGLMAGADRDLEKVWEKFNAGRFEKIMLKTRASKAEVK MAPQLLPGEDEDIAHILRGKLENDGVKIFTGATLKGL
UniRef90_R5QDV3 UniRef90_H2DL28 UniRef90_H0EB13	MLDHIAGPTDSEISKILLRNYKAKGVEFLLGAKVTGVSAGRGNTFLRHFDPMIQETVTNEYERLGVKLHRKSNASKVEKDFLDRVLPSEDVDISRVANREFKKQGIDVHVSTKVADVQTSALDRILPVEDADISNFVDKQLTKQGMKLVKSAQVQGLEKG
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UniRef90_UPI000360958E UniRef90_D1PV33 UniRef90_B4SBH5	GLDTI LELLDKDI REELTKIL I KNKVKI ETSVKI KAI KGK MGDGLMAGADRDLVKVWEKLNLQRFEKI MLKTRTVGVTVR FMKECLPTMDSEI ARRLRKMMEKQGI RFYLGAAVQKI EDR MMPRLLPFEDGEI SEALKRSFEKAGI RVVTGAKLEGVVVS

| READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | UniRef90_A4XRA5
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UniRef90_UPI0002559D71	II IA HIVIA S A F GII IT <mark>C</mark> IVIF — KII IA GII IH T F PII ID Y G NII IP G <mark>C</mark> T Y A S P F II I
UniRef90_F2G723	L T PVAVKA GRL LSE RLENGQKDA HMDYSLIPTVVFSHPPILASA AYDQGRLAGEALVKGNLDGHLIAD I PAGIYTIPEI
UniRef90_I1E112	LASAAYDQGRLAGEALVKGNLDGHLLAD I PAGLYTIPEI
UniRef90_B6AY04 UniRef90_UPI00046AC838	LAHKASHEGLMVAE MIAGKAVHPIKPGSIAG <mark>C</mark> TY <mark>C</mark> HPQV LAHKASHEGKLAAEIIAGGEKMKNFDARAIPSVAYTDPEI
UniRef90_UPI0003F704F7	LAHKASHEGKILAAEII IAGGEKMKNFDARAII PSVAYTDPEII FTHVAGYEAVVVLTNALIFFPIIS_KVNYRVI PWATFTDPEL
UniRef90_UDZB2	FT HVA GYEAVV VLTNALFFPIS KVNYRVI PWATFTDPEL LAHKATHEGKVAAEVIAGH NKVHFDARAI PSVAYTHPEV LAHKATHEGKVAAEVIAGH NKVHFDARAI PSVAYTHPEV LAHKAEEDAVAVIDTIA GKYGHVDYALVPSVVYTFPEV LTPVAIAAGRKLSNRLFGPEKFRNDDYENVPSVVYTFPEV LTPVAIAAGRKLSNRLFGPEKFRNDDYENVPSVIFSHPPI LTPVAIAAAGRKLSERLFNGKTEEKLEYENIATVIFSHPAI LTPVAIAAAGRKLSERLFNGKTEEKLEYENIATVIFSHPAI LAHKAVHEAHIAAENVS GKNVFFDAKVIPSVAYTNPEI ELTPTAIMAGKLLAQRLFGQSSDLMEYDNVPTTVFTPLEY LTPVAVASGRRLSERLFNNKPNEHLDYNLIPTVMFSHPPI LAHKAVHEAGIAAGNAIG GLNKAUDLSVVPGVSFTSPQF FTYISLDDYRILREDLFGAGERKVSDRDPVSYSVFIDPPL LTPVAVASGRRLSERLFNQQTELFLDYHLIPTVVFTHPPI LAHKAGEEGGIAIOGGLNKAUDLSVVPGVSFTSPQF FTYISLDDYRILREDLFGAGERKVSDRDPVSYSVFIDPPL LTPVALAAGRRLSERLFNQQTELFLDYHLIPTVVFTHPPI LAHKAFMEGKVAAENAL GERKKVNNYSAVPTGIYTNPEM ELTPVAVQAGRLLARRLFGGRLEKCDYINAPTVVFTHPPL LAHLAFMEGKVAAENAL GINKVNYSAVPTGIYTNPEM
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UniRef90_P41921 UniRef90_K7G277	ILITPIVALIAA GRKILIS NKILIF GPEK F KNDDYENIV PSIVI IFSHPEA
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UniRef90_I9IZM1	FTYI SCDDYRI CREDCIFGAGERKVSDRDPVSYSVFIIDPPI
UniRef90_E6LED0	LT PVALA A GRRLS E RLFNQQTELFLDYHLI PTVVFTHPPL
UniRef90_Q24PW4	LAHLAFMEGKVAAENAL GLTSKVNYSAVPTCIYTNPEM
UniRef90_UPI0002BCD6D4	ELLIPVAVQAGKILLAKKILFGGKILEK <mark>U</mark> DYIINAPTVVFTPLEY
UniRef90_UPI00042465A4 UniRef90_P48640	TIPVALMEGGALVKILEN DNDIK DDV PAVD SAMESODDI
UniRef90_E4N146	ILIAHAAESMAIVI IAAETII IAGAE TMEII IDFIVIMIVIPRATY <mark>C</mark> QPQIVI
UniRef90_F9DY44	FVYVA AY QGGLA ARNAIG GLN EKVNLEVVPAVTFTNPSI
UniRef90_U3AH32	LTPVALREGMOFVETVEK GNPTPVDHALIPSAVFTQPEL LAHVASHQGLVAAD VAAGHDAVLDDDVVPAATFCHPEI LTPVALMEGMAFAKKAFGDQQDAKPDYDAI ASAVFSSPPL
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UniRef90_R5TGK4	FTYVSLDDFRIVWSSLHGGAYDARAARRHIPYSVFLEPSF
UniRef90_M1T3M7	LAHKAVHEGHVAAE VAAGEKSYFDAKQI PSVAYTDPEV
UniRef90_C3LGV0 UniRef90_R5QDV3	I A H T A Y R E G E WA WA N MING A R E RIVIN VINCII D CIVI IV T N D E W
UniRef90_K3QDV3	LIT PVALA A GRRLAERUF GPPEFSKI SYFNVPSVVFAHPFIV
UniRef90_H0EB13	LAHKSSDEG <u>VIAAE</u> DA <u>A</u> GLKTH PLSYVDII PRATF <mark>C</mark> QPNV
UniRef90_C6XJS8	LAHKATHEG VVCVEK AGKNPHEFKTDNI AGCTYCHPQV
UniRef90_A0A037UKY2	LAHVASAMGILVIAAESII AGAPTMPILPAERYII FMPRATYCEP FTYVSLDDFRII VWSSLHGGAYDARAARRHII PYSVFILEPSF LAHKAVHEGHVAAE VAAGEKSYFDAKQII PSVVAYTDPEV LAHVAFHEGT TAALYASGEDVKVNYHAVVPRCII YTAPEII LAHTAYREGEVAVAN MLGARERVNYLSII PSVII YTNPEV LTPVAIAAGRRLAERLFGPPEFSKII SYENVPSVVFAHPEV LAHKSSDEGVII AAEDAAGLKTH PILSYVDII PRATFCQPNV LAHKASTHEG VVCVEKII AGKNPHEFKTDNII AGCTYCHPQV LAHVASAQGILVIDNIKGKNVKMN YNRII PSCIYSFPEV LAHVASAQGILVIDNIKGKNVKMN FRIPSCIYSFPEV LAHKGVHEGHVAAE AAGEKKFFDASII PSVVAYTEPEV
UniRef90_UPI000360958E UniRef90_D1PV33	LAHKGVHEGHVAAE AAAGEKAFFDASI I PSVAYTEPEV LAHAATFQGYRAVNHLL DKRDRIRLDLMPAAVFTRPEA
UniRef90_D1PV33 UniRef90_B4SBH5	LAHAATFQGYRAVNHIL DKRDRI RLDI MPAAVFTRPEA LAHKASAEAAI AVD SLAGKAPHLLDESMI PR <mark>C</mark> VYAEPSV
5	<u>,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,</u>

UniRef90_A4XRA5 UniRef90_N0B4X0	370 380 390 400 A S V G K G E E E L K A E G R A Y K V G K F P F T A N S R A K I N H E T E G A W A G V T F T D A K T O G L A Y R K A L E P W A A S G R A L A N G R F E G
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UniRef90_H0IYY2 UniRef90_A1AXL4 UniRef90_B1Z4B6	S S F G P N E R E L T E A K V P Y E V G K A F F K D T A R A Q I T G D T V G A W T G K T E K E L K A E G L S Y E K G V F P W A A S G R S L S I G R S E G G T V G L T E P E A R M K Y G D D G V K V Y Q A T F T S M Y S A V T Q H R Q P A
UniRef90_F1YJ26 UniRef90_UPI000328EA0D UniRef90_S9SRI5	A S F G L T E E Q A K A E G Y E I T V S K F P F S A N G K A Q G L A A P A G G T V G L T E D Q A L S K Y G F E N V K L Y A T S F T P M Y H A L T R R K L K C
UniRef90_H0Q1G7 UniRef90_Q2BMY7	A S A G L S E T D A K R G L E V V T G R S S Y G I N G R A L A L R A S E G A WV G Y T E E D A K K E G R K I E T A K F P WA A S G R A I A N G A D Y G G T V G L S E E Q A R E Q Y E N L E V Y K S E F R A M K H T I S G S E E R T
UniRef90_G0DXW3 UniRef90_R5JL08 UniRef90_A7HBV5	GTVGLTEEEALKG YSFKVSRLPATAVARARTLQKVDG GTVGLSEEA RAUGHDPLTGKFAFGALGRAUALDHTDG
UniRef90_B4FWU6 UniRef90_P0A0E5 UniRef90_R5I2Y2	SV VGL SEE QALEE ANGD I L VFI ISSEN PMKNSI ISKRQEKI ATVGLTEQQAKEKG YDVKTSVLPLDAVPRAL VNHETTG ASVGMTERAV KEAGI EYKVGKEFELASGKAAAAGEKDG
UniRef90_UPI00030CD2C9 UniRef90_A6FRD7 UniRef90_K9ET44	ASVGMT EAQAKEAGHTI RVGRFPFIGNGKAI ALGEPEG ASVGMT EAQAKEAGHTI RVGRFPFIGNGKAI ALGEPEG ALAGYSFOFA KDAGIDVKATKFPIGGNGRAI SI NATDG
UniRef90_M5E6N9 UniRef90_S9UV45 UniRef90_H1Q0U8	GIVGLISEPEARKAYGDQKIIIIIYRIRFIPMYYG <u>ILLII</u> KKAPI AQVGKTEDEL KKEGVAYKVGKFPFAANSRAKAVATEDG A <mark>C</mark> VGILTEDA <mark>C</mark> KEAGIIAYTVIKKGYHRSNGRALIAVGASDGMI
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UniRef90_I0K604 UniRef90_A1B892 UniRef90_E1W3T5	GRIGLTEQEAKKQGKQVRVA SMPMSQVARALETSHTNG ATIGLTEEEADACGPADVYVASFRPMRSLFAG SDARA GTVGLTEPQALEQYGEENVKVYKSSFTAMYTAVTEHRQPC
UniRef90_X5LG77 UniRef90_I3YRA1 UniRef90_A8NGY9	ASVGMTEQQAQERG LAYKTGRFPFTASGKATAAGDRDG
UniRef90_D5BMN6 UniRef90_V9XJG2	ATLGKSEDML KEAGIAYKVGSFPFSANSRARAQGHSEG ASLGLTEEQARATGRRLQV GQFDLQASGKALAIGEADG
UniRef90_UPI0003B3281C UniRef90_C2W8P5 UniRef90_B3R4M3	ATL GKSEDML KEAGIAYKVGSFPFSANSRARAQGHSEG ASLGLTEEQARATGRRLQV GQFDLQASGKALAIGEADG GSIGLT EAEAKAQGYEVKVGKFPFRGAGKALVYGEPDG ASVGLTEKGARDQYGDILV GEFPFTANGKALILGEQIG AWAGLTEDEC KAQGIKYSKGVFPWAASGRALANGRDEG GTVGLTLEMA KKNKIDAYELTTNFKSMKKTFSKTNKDT
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UniRef90_J5KDV7 UniRef90_D8LBF4 UniRef90_W6KE33	A S V G L T E N E A K D K G H N L K V G K F S F R A L G K A L V Y G E S D G A M V G L T E E Q A R E Q Y G D V L I G K N S F T G N G R A L A V D Q S V G A W V G K N E T E L K D K K I S Y K V G K F P F A A S G R A L A V D Q S V G A E V G K T E E A L K E A G V A Y N K G T F P F S A N S R A S C V G D K D G A Q V G K T E E E V K K A N L E Y K V G K F P F A A N S R A K A L T M E D G G T V G M T E D E A R K K V D H L A L Y K T V F R P M K N T L A G R S E R M
UniRef90_UPI00047CA29C UniRef90_K4A7W7 UniRef90_UPI000376C1CF	A S V G M T E E E A E R A G K R F R S F V F P H S A L G R A L T V G E T E G
UniRef90_S3Y345 UniRef90_UPI0002559D71 UniRef90_F2G723	GTFGLSEQQA KDAGFNVKVSKFPFAANGKAWGLGDGLG ASVGLTEKAA KEAGYELKIGKFPFSASGKASAAGNKEG GTIGLTEPEALEKYGEDDLKVYTSSFASMYTAVTRHRQMT SSVGKTEQELTA ARIPYEVGRAQFKHLARAQIANTNAG
UniRef90_I1E112 UniRef90_B6AY04 UniRef90_UPI00046AC838	A S IV (3 M L
UniRef90_UPI0003F704F7 UniRef90_L0DZB2 UniRef90_D6Y969	A WMGLTETEAKKQGLE YEKAAFPWAASGRALA MARDEGARVGLTEAQAKEQYGDD I CV L KQPFAGVDRAI A EAKTLGAWMGVTEDDAKRDGIE YTKGVFPWAASGRALALGADDGASVGLTSAAARERG YDVVELSYNLAGNGRSKI LQTQGEAWVGQTEDQL KAAGIAYKKGKFPFTANSRAKI NHETDG
UniRef90_B4W6C9 UniRef90_P41921 UniRef90_K7G277	A WV G Q T E D Q L KAAG LAYKK G K F P F T A N S R A K I N H E T D G G S I G I S E K E A I E K Y G K E N I K V Y N S K F T A M Y Y A M L S E K S P T G T V G L T E E E A I S T Y G K E N V K I Y N T S F T P M Y H A V T Q R K T K C G S V G L S E E A A I A K Y G V D H I K T Y Q S T F A S M Y T A V T S H R Q N C
UniRef90_E4L4U7 UniRef90_M1M3P1 UniRef90_UPl0002235B8F	GSVGLSEEAALAKYGVDHIKTYQSTFASMYTAVTSHRQNC AWVGLTEDEAKKR ELKIKKGIFPWGASGRAISMGADQG
UniRef90_L2F737 UniRef90_F0ZDY0	GSVGLSEEAALAKYGVDHIKTYQSTFASMYTAVTSHRQNCAWVGLTEDEAKKR ELKIKKGLFPWGASGRAISMGADQGGVGVGLSEEEAVARHGQEHIEVYHAYYKPLEFTVAERDSSQGMIGLTEDQALKQFGVDNLKVYNSSFTPMYGGVTQHRQPCAWVGKTEEELQK AGLQYNAGKFPFLGNSRAKTNDDAEGATVGLTQQAKEKG YEVKKAVLSLENVPRALVNHNTTG
UniRef90_L2RRV7 UniRef90_I9IZM1 UniRef90_E6LED0	ATV GLT QQQAKEKG YEVKKAV LSLENVPRALVNHNTTG SRIGLSEAEARKKGLNLKV NKLPVAALPRARTLGDTNG ATIGLSEQQAKEQYGEEELTIYRSRFTPMYFALNEYRQKC
UniRef90_Q24PW4 UniRef90_UPI0002BCD6D4 UniRef90_UPI00042465A4	ATI GLSE AQAKE QY GEEL TI YR SRFT PMY FALNEYR QK CASV GMT E E QAKE QY GEEL TI YR SRFT PMY FALNEYR QK CASV GMT E E QAKE QY GEEL TI YR SRFT PMY FALNEYR QK CASV GMT E E QAKE QGLDILVAT MKNDSVARSI E T GDERGG QV GLT E QAVQQY GDIDI FT AN FRPLKAT LSGLPDRV AS F GYT E AQARE QG YAV KVAK F PFT AN GKAH GIGH PV GAT WAT F GYT E QAKEK GIEV WKTSVLP DAV PRALVIN PROTECTION OF THE COLOR F K GIEV WKTSVLP DAV PRALVIN PROTECTION OF THE COLOR F K GIEV WKTSVLP DAV PRALVIN PROTECTION OF THE COLOR F K GIEV WKTSVLP DAV PRALVIN PROTECTION OF THE COLOR F K GIEV WKTSVLP DAV PRALVIN PROTECTION OF THE COLOR F K GIEV WKTSVLP DAV PRALVIN PROTECTION OF THE COLOR F K GIEV WKTSVLP DAV PRALVIN PROTECTION OF THE COLOR F K GIEV WKTSVLP DAV PRALVIN PROTECTION OF THE COLOR F K GIEV WKTSVLP DAV PRALVIN PROTECTION OF THE COLOR F K GIEV WKTSVLP DAV PRALVIN PROTECTION OF THE COLOR F K GIEV WKTSVLP DAV PRALVIN PROTECTION OF THE COLOR F K GIEV WKTSVLP DAV PRALVIN PROTECTION OF THE COLOR F K G GIEV WKTSVLP DAV PRALVIN PROTECTION OF THE COLOR F K G G G G G G G G G G G G G G G G G G
UniRef90_P48640 UniRef90_E4N146 UniRef90_F9DY44	A S F G Y T E A Q A R E Q G Y A V K V A K F P F T A N G K A H G I G H P V G A T V G L T E Q Q A K E K G L E V K T S V L P L D A V P R A L V N R E T T G
UniRef90_U3AH32 UniRef90_I0V810 UniRef90_I0YJI6	ATVGLTEQQAKEKGLE VKTSVLPLDAVPRALVNRETTG GTIGLTEEAARE IEPVEVY CASFKPMQSSFAGSADRV ASVGRTEEAA RADGHDVVTAKIPFAALGRARSTGDTEG ATVGLTEEEALEQHKNVDIYTSSFKPMKNTLSGNEGRS
UniRef90_J3Q5S5 UniRef90_E0RDB5 UniRef90_Q6LLT9	A T V G L T E E E A I E Q H K N V D I Y T S F K P M K N T I S G N E G R S A T V G L T E E E A R E K H G K E A I K V Y E S K F K A M Y Y S M M P E E E K E A S V G L T E Q E A R E R G H Q V K T G K F P F Q A I G K S L V Y G S R D G S S V G K T E Q Q L T A D K V P Y E V G R S Q F K H L A R A Q L A G T E V G Q V A S L G Y T E A Q A K E K G Y D I R V G K F P F M P N G K A Q A L N A K V G S R V G M N E Q E A K K A G L D V K I A R L P A S A P K A A V L N K T K G
UniRef90_I0I9M2 UniRef90_R5TGK4 UniRef90_M1T3M7	QIVIA SILIG Y T E A Q A K E K G Y D I I RIVIG K F P F M P N G K A Q A L N A K IVIG S RIVIG M N E Q E A K K A G L D V K L A R L P A S A L P K A A V L N K T K G A W A G L T E E Q C K A Q G I A Y E K G L F P W A A S G R A II A N G R D E G
UniRef90_C3LGV0 UniRef90_R5QDV3 UniRef90_H2DL28	A WAGETEEQC KAQGIAYEKGEFPWAASGRAFANGRDEGASVGLTEKDAKEQYGDIQF GEFPFTANGKALIIGEQTGASVGETSESFAAKGLNAKTTSVTLKYSGRYFAENEHG DGGSLGLTEPQAVEKYGKDNFKVYKTSFTAMYYAMMEPDQKT
UniRef90_H0EB13 UniRef90_C6XJS8 UniRef90_A0A037UKY2	GSFGLT EAQAKEQGYDVVVGKVPYGAVGGATVYGES G ASVGLTFAAAKEKG HKVKVGREPELGNGKAVALGEPEG
UniRef90_UPI000360958E UniRef90_D1PV33 UniRef90_B4SBH5	ATVGITEEQAIKD KIAYKAFKFPLAANGKAIADGETDGAWVGVTEIEAKNTGRKIGVS KFPWAASGRAIANG <mark>C</mark> DYGASVGPTEEY <mark>C</mark> KANGIPFTAKKAIYRANGRAQAMEQTDGASVGLSEEQALEQG YMVMVGRSLFAASGKANAYGNLEG

UniRef90_A4XRA5	410 420 430 440 FVK I L A D A N T D Q I L GVH MI GPSVG E L I GEYCVA MEFSASA
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UniRef90_I2JJN8 UniRef90_H0IYY2	
UniRef90_A1AXL4 UniRef90_B1Z4B6 UniRef90_F1YJ26	MLKILFHQDTLEILGIHCFGDQASEILHIGQAIMQQEGSL MTKGLFDTKTGRILGMGICGTNAGELIHIGQAIMQQEGSL MTKGLFDTKTGRILGMGICGTNAGELIHEGQAIMQQEGSL MTKGLFDTKTGRILGMGICGTNAGELILQGFAVALKMGATK FVKLITNAETEELLGGHLVGDNVSEMLPELTLAQKWDLTA VMKMVCAGKEEKVVGIHMQGVGCDEMLQGFAVAVKMGATK
UniRef90_UPI000328EA0D UniRef90_S9SRI5	VMKMVCAGKEEKVVGHMQGVGCDEMLQGFAVAVKMGATK FVKIVAVKETELIVGAQIVGAEASNLIAELALAIEMGATL
UniRef90_H0Q1G7 UniRef90_Q2BMY7	W
UniRef90_G0DXW3 UniRef90_R5JL08 UniRef90_A7HBV5	F VK I VADARHGEL LGAS L VGHDVS EL L PELTLA QLWDITA MLKAI VDAHTGKI MGCTLFCADASEMI NI VNVAMKSGQHY FVKVI ADRASKLI LGVTV VGPEAADLI AEATLALEMGAYL
UniRef90_B4FWU6 UniRef90_P0A0E5	F VK I VADARHGEL LGAS LVGHDVSELLPELT LAQLWDITA MLKAI VDAHTGKI MGCTLFCADASEMINI VNVAMKSGQHY F VKVIADRASKLILGVTVVGPEAADLIAEATLALEMGAYL I MKLVVDAETDKVLGASMCGPDAPEII QGIAI AVKCGATK VYKLVVDAETDKVLGASMCGPDAPEII QGIAI AVKCGATK
UniRef90_R5I2Y2 UniRef90_UPI00030CD2C9 UniRef90_A6FRD7	FVKLIIDAATDKVLGAHLVGANVTEMISGIVAGRNIGMTA LMKLVVDGDTRRVLGAHILGPDAGEMAQLLGIPLKAGLTK VIKTIFDDKTGELLGAHMIGAEVTELIQGYVVGRQLETTE
UniRef90_K9ET44 UniRef90_M5E6N9	FIRL I T T K E D NVI V G G Q V A S V G A S D L I A E F A L A T E S G M N L A Y K I V C V G E E E K V V G V H M V G M G S D E S I Q T V G I A V K M G A T K
UniRef90_S9UV45 UniRef90_H1Q0U8 UniRef90_F0SMC6	F V K L I I D A A T D K V L G A H L V G A N V T E M I S G I V A G R N I G M T A L M K L V V D G D T R R V L G A H L L G P D A G E M A Q L L G I P L K A G L T K V I K T I F D D K T G E L L G A H M I G A E V T E L I Q G Y V V G R Q L E T T E F I R L I T T K E D N V I V G G Q V A S V G A S D I I A E I A L A I E S G M N L A Y K I V C V G E E E K V V G V H M V G M G S D E S I Q T V G I A V K M G A T K F V K V C V D K A T D R I L G V Q I V C T M A G E L I A E P A L A M E Y G A S S K L M I G S D D K I I G C H V E G S H A A D L V Q E V A V L M D R D T T I L T K L I F E N K T E R I L G M G I V G P G A G E M I A E G V L A V E T A A V A F V K I I S D D T H G E L L G A H L I G P E V T E L L P E L T L A Q Q W D L T V R M K L V C L G S E E K I V G I H G I G F A V D E I L Q G F A V A M K M G A T K L M K V L V D A D T D Q L L G A A I L G M E G G E L M T M L Q L A M M G Q L P Y V M K L I V D A Q T D K V L G C H I F G P E A G E M I Q G F A V A I K M G A T K R M K L V C V G K E E K I V G L H G I G F G V D E M I Q G F A V A I K M G A T K F V K L I A D R D G A L L G G H V I G A D A A E L L P E L T L A Q K W E L G S
UniRef90_UPI000362DA2E UniRef90_C4K7F5	FVKI I SDDT HGELLGAHLI GPEVTELLPELTLAQQWDLTV RMKLVCLGSEEKI VGLHGI GFAVDEI LQGFAVAMKMGATK
UniRef90_I0K604 UniRef90_A1B892 UniRef90_E1W3T5	LMKV L VDADT DQL LGAAI LGMEGGELMT MLQLAMMGQLPY VMKLI VDAQT DKV LG <mark>C</mark> H FGPEAGEMI QMLAVPMGMGATK RMKL VCVGKEEKL VGLHGI GEGVDEMI QGEAVALK MGATK
UniRef90_X5LG77 UniRef90_I3YRA1	FÜKL I ADRD GALLGGHVI GADAAELLPELTLAQKWELGS FVKL LE GEDDTL LGAHMVGMNVT EMLAEPTLARMLGATG
UniRef90_A8NGY9 UniRef90_D5BMN6 UniRef90 V9XJG2	V Y K L I V A G P E E K V V G V H I I G Q G S D E A M Q G F G V A V K M G A T K F V K I L A D A E T D R V L G V H I I G H E A G T V I H E C A T A M A F G A S S F V K T I F D A D S G E L L G A H M V G P D V T E Q I Q G F G I A R A L E A T A
UniRef90_UPI0003B3281C UniRef90_C2W8P5	VYKLIVAGPEEKVVGVHIIGQGSDEAMQGFGVAVKMGATK FVKLLADAETDRVLGVHIIGHEAGTVIHECATAMAFGASS FVKTIFDADSGELLGAHMVGPDVTEQIQGFGIARALEATA FIKIVSDAKTDDLLGVHIIGPHATDMISEAGLAKVLDATA KVKVIVEPKYQEIIGLSIVGLRATELIGQGTVMLHTEVTA FTKLIFDEETHRVIGGGIVGTHAGDLISEVCLAIEMGADA FYKLVIDKKDKTILGIHLISDDAAELIQLAVNVVAGNSL
UniRef90_B3R4M3 UniRef90_J9Z2L5 UniRef90_A6CNH8	F T K L I F D E E T H R V I G G G I V G T H A G D L I S E V C L A I E M G A D A F Y K L V I D K K D K T I L G I H I I S D D A A E L I Q I L A V N V V A G N S L F V K I I A D K D T N D I L G V H M I G P H V T D M I S E A G L A R V L D A T P
UniRef90_A0A059LT72 UniRef90_J5KDV7	FVKVI ADAKYHEL LGVHULGPAAAEMINEAATIMEAELTV
UniRef90_D8LBF4 UniRef90_W6KE33 UniRef90_UPl00047CA29C	MVKILSDKETDRILGAHILGPNAGEMIAEVVLAMEYGASS FVKVITDKKTDRILGVCSIAGELIAETVLAMEYGASS LMKLVVDADTDKVLGAHVLGPDAGETAQLLGISVKMGATK YMKVIVCAKTNKVLGVHMCGEDAPEIIQGVAIAVKAGLTK FVKVLVEEGTGELLGVHVVGPHASELIAEASLALENLMTP FVKLIADATHNELLGVTMIGPDVSELLPEYQLAQQYDLTA
UniRef90_K4A7W7 UniRef90_UPI000376C1CF	YMKVIVCAKTNKVLGVHMCGEDAPETTQGVAIAVKAGLTK FVKVLVEEGTGELLGVHVVGPHASELIAEASLALENLMTP FVKLIADATHNELLGLTMIGPDVSELLPEYQLAQQYDLTA
UniRef90_S3Y345 UniRef90_UPl0002559D71 UniRef90 F2G723	FVKLIADATHNEILGLTMIGPDVSELLPEYQLAQQYDLTA FVKVIFDAKYGEWLG <mark>C</mark> HMIGAGWTDMIAEAVLGRKLETTG
UniRef90_I1E112 UniRef90_B6AY04	SÜKLLFHRETLEILGIHCFGERAAELIHÖGQALMNGGNTÜ FVKTVFDEKTGELLGAHMVGAEVTEMIQGYVIGRQLETTE
UniRef90_UPI00046AC838 UniRef90_UPI0003F704F7 UniRef90_L0DZB2	S L K L L F H R E T L E I L G L H C F G E R A A E L I H G Q A I M N G G N T V F V K T V F D E K T G E L L G A H M V G A E V T E M I Q G Y V I G R Q L E T T E F T K L L L D K K T R R I L L G A G I V G V N A G E L I S E T V L G L E M G A D M F A K I I T R S N G E I L G A H L V G A S A G E L I H E I V L A M S H R L K V M T K L L F D A D G R V I G A G I V G P N A G D L I G E A M L A L E M G A D M V K V V A E R D G R V L G I H M V G S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I A E A Q L I Y N W E A T P S R V G E L I
UniRef90_D6Y969 UniRef90_B4W6C9	VKVV A E R D G R V L G I H M V G S R V G E L I A E A Q L I Y N WE A T P FVKV L A D A A T D K V L G V H I M G P Q A G E M I H E A A I T M S F G G A S
UniRef90_P41921 UniRef90_K7G277 UniRef90_E4L4U7	FVKLIADATHNEILGLTMIGPDVSELLPEYQLAQQYDLTAFVKVIFDAAKYGEWLGCHMIGAGVTDMIAEAVLGRKLETTGKMKLVCAGKDEKVVGLHGLGHGMDEILQGFAVAIKMGATKSLKLFHRETLEILGIHCFGERAAELIHIGQAIMNGGNTVFVKTVFDEKTGELLGAHWVGAEVTEMIQGYVIGRQLETTEFTKLLLDKKTRRILGAGIVGVNAGELISETVLGLEMGADMFAKIITRS NGEILGAHLVGASAGELISETVLGLEMGADMFAKIITRS NGEILGAHLVGASAGELIGEAMLALEMGADMVKVV AERDGRVIGAGLVGPNAGGELIGEAMLALEMGADMVKVV AERDGRVLGGIHMVGSRVGELIAEAQLIYNWEATPFVKVLADAATDKVLGVHIMGPQAGEMIHEAAITMSFGGASRYKIVCAGPNEKVVGLHIVGDSSAELLQGFGVAIKMGATKKWKLVCAGREKVVGLHIVGDSSAELLQGFGVAIKMGATKKWKLVTYGKDEKVVGLHMQGLGCDEMLQGFAVAVKMGATKKKKKLVTYGKDEKIVGLHMGGTVGAHAGDLIGEMAGSDV
UniRef90_M1M3P1 UniRef90_UPI0002235B8F	MTKLLFDAD GRVI GAGLVGPNAGELI GEAMLALEMGADM VKVV AERDGRVLGI HMVGSRVGELI AEAQLIYNWEATP FVKVLADAATDKVLGVHI MGPQAGEMI HEAAI TMSFGGAS RYKI VCAGPNEKVVGLHLVGDSSAELLQGFGVAI KMGATK VMKLVCAGPNEKVVGLH WGDSSAELLQGFGVAI KMGATK VMKLVCAG BEKVVGLHMQGLGCDEMI QGFAVAVKMGATK KMKLVTYGKDEKI VGLHMQGLGCDEMI QGFAVAI KMGATK LTKLIFDSKDDRI LGGGVGVDEMI QGFAVAI KMGATK LTKLIFDSKDDRI LGGGGVGAHAGDLIGEIALAI EMGSDV CYMVCLREPPQLVLGLHFLGPNAGEVTQGFAVAI KMGATK RKKLIFDSKDDRI LGGGFGVDEMI QGFAVAI KMGATK LTKLIFDSKDDRI LGGGFAVAGEVTQGFAVAI KMGATK LTKLIFDSKDDRI LGGGGVDEMI QGFAVAI KMGATK LTKLIFDSKDDRI LGGGFAVAGEVTQGFAVAI KMGATK LTKLIFDSKDDRI LGGGGVDEMI QGFAVAI KMGATK LTKLIFDSKDDRI LGGGGVDEMI QGFAVAI KMGATK LTKLIFDSKDDRI LGGGGVDEMI QGFAVAI KMGATK
UniRef90_L2F737 UniRef90_F0ZDY0 UniRef90_L2RRV7	FVKFLADKETDRI L GVHI MGANAGELI AESVLAMEYGASS VFKLVVDRKTQKI L GVHI VSENAGEVI YGASLAVKFGLTV LFKVVVDADTDKI VGCTLFGPESSEVI NLVAMAMKTGQEY
UniRef90_I9IZM1 UniRef90_E6LED0	FVKFLADKETDRILGVHIWGANAGELIAESVLAMEYGASSVFKLVVDRKTQKILGVHIVSENAGEVIYGASLAVKFGLTVLFKVVVDADTDKIVGCTLFGPESSEVINLVAMAMKTGQEYEMKLICLGKEEKIIGLHAIGRGVDEMLQGFAVAIKMGATKFVKVIADQD NTIIGGQILGVDASEMLSELTLAITLKAKAAKIICSKFDNDRVIGFHVLGPKAGEITQGFAAAMKCGLTK
UniRef90_Q24PW4 UniRef90_UPI0002BCD6D4 UniRef90_UPI00042465A4	F V K V I A D Q D
UniRef90_P48640 UniRef90_E4N146	F MK L V V C A K T N E V L G L H MC G E D A P E I V Q G F A V A L K A R L T K F V K V I S D E T H G E L L G A H L I G P E V T E L L P E L T L A Q Q W D L T V V I K L V A D A K T L K V L G V H I V S E N A G E V I Y A A T L A V K F G L T V L M K L V V S I E T R K V L G C H I V A P E A G E L I Q L A G I A V K M G A T K F C K I V A D R R H G E V L G V H V I G P S A S D L I T E G A L A M S L E A T L
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UniRef90_I0YJI6 UniRef90_J3Q5S5	MMKAVIDAKTKQIL GASVLAEQGGEII VTLLQMAMMGNVTY FMKLVVCAKTNEVLGLHMCGEDAPEI VQGFAVALKARLTK FVKVISDETHGELLGAHLIGPEVTELLPELTLAQQWDLTV VLKLVADAKTLKVLGVHIVSENAGEVIYAATLAVKFGLTV LMKLVVSIETRKVLGCHIVAPEAGELIQLAGIAVKMGATK FCKIVADRRHGEVLGVHVIGPSASDLITEGALAMSLEATL FMKLIVAADSDLVVGVHLVGPDCSEIIQGFAVAVKMGATK FMKLIVAADSDLVVGVHLVGPDCSEIIQGFAVAVKMGATK FMKLIVAADSKTNDILGVHMIGLGTDEIIQGFAVAVKMGARK FVKVVADEKTNDILGVHMIGLGTDEIIQGFAVAVKMGARK
UniRef90_E0RDB5 UniRef90_Q6LLT9 UniRef90_I0I9M2	FIVIKI I A D A K Y G E I L I G A H MIVIG P G VIT E L L I P E L I S L A Q M M E L T P
UniRef90_R5TGK4 UniRef90_M1T3M7	VLKAVIDAKTNQILGAMÜFCEESYEMINIVKLAMDÜNADY FIKLIFHATSKRIIGGGIVGTHAGDLIGEVCLAIEMGADA
UniRef90_C3LGV0 UniRef90_R5QDV3 UniRef90 H2DL28	FTKLIFHATSKRIIGGGIVGTHAGDLIGEVCLAIEMGADA KVKVIVEPKYQEIVGISLIGPRATELIGQGTVMIHTEVTA IVKIITDKEHGTVLGVHMIGSYASELIYGAAMMVEKEMRA NYKLIVAGPEEKVVGLHIMGQGSGEMLQGFGVAIKMGATK
UniRef90_H0EB13 UniRef90_C6XJS8	TI KI VGEKKYGELLGG <mark>H</mark> I VGAKATEMI QELVNVRALEGGY
UniRef90_A0A037UKY2 UniRef90_UPI000360958E UniRef90_D1PV33	FVKILCDPKYGEILGVHIVAATATDMISGITACMETEGTI FTKLIFDEETHRIVGGSIVGPNAGDMIGEIALAIEMGCDP FVKLLFD DNDKIIACHVLGADAASMVQEISALMNLDVTR
UniRef90_B4SBH5	FVKLLFD DNDKI I A CHVLGADAAS MVQEI S ALMNÜDVTR VVKLLFNAVDGRLLGAHVLGHGAVELI GEI TLARRLEVTA

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	1 10 20 30 40
UniRef90_B9Y9W1 UniRef90_UPI00045EBC67	MKTYDNLII GFGKGGKTLAASLAKAGQRTALI EKSPLMYG EVDLFVI GGGSGGVRAGRIAAQHGAKVMMAEEYRMGGT
UniRef90_K9E263	M K Q Y D A G F G K G G K L A T E L A N R N W K V A V I E R S P E M Y T
UniRef90_I3X754 UniRef90_086924	DYDVLVIGGGPGGYA <mark>C</mark> AIRAAQLKLRTA <mark>C</mark> ADLRDTGGT DYDLIVIGAGSGGVRAARVAAAHGAR <u>VAI</u> VEEYRVGGT
UniRef90_UPI0003B423A5	Y DIV V V I IG G G A A GIL IT S A GIVIA A N F G A K A IL IMIL IF K D A IL IG G D
UniRef90_U1KQN5 UniRef90 W2ET48	RAAMRGAKVAII I EAKHMGGT HADLLVIGFGKGGKSVAARMGRLGRRVVLVERSDQMYG
UniRef90_L0IX96	FHYDAILVIGTSOGGRILIPIVIFILIAKAGOKIVIAILVIFRGPILIGGIVI
UniRef90_K1R2N1 UniRef90_I0DUT7	KKFDYLVI GGGSGGTASARRAAEFGTKVGLVEEARMGGT HFDAIVI GSGPGGEGAAMGLVKQGKNVAVI ERYDSVGG
UniRef90_U2CMD5 UniRef90_UPI00036DEBB4	QEFDLIVIGAGPGGYPAALRAAEGGRRVAVIEKDELGGT MTTYDVLIIGSGPGGYLAAVRCGQLGLKTAILEKYDTGGT
UniRef90_J9G149	MK Y Q V A I I G G G P A G Y T A A E V A G K A G L S V V L F E K Q N L G G V
UniRef90_Q6SFY9 UniRef90_A5GBJ1	HADVAI LGAGPGGYTAAFRAADLGKKVLIERYPVLGGV HDIVILGSGSTAFAAALRAQSLGARVLMIEKSVLGGT
UniRef90_I9SF65	MK Y Q V I I I G G G P A G Y T A A E T A G K A G L S V L L F E K Q N L G G V
UniRef90_R4YTR1 UniRef90_K5ZLE9	HYDVVII GSGPAGEGAAMNAAKKGKKVAVVETRSMVGG MKKYDAI LI GFGKAGKTLAAELGTRGWNVAI I ERSMYGGT
UniRef90_K5WHB0 UniRef90_J5KJH3	E Y D
UniRef90_UPI00037621A4	D Y D L I V I G A G P G G L A A S E R A A S Y G A K V A I V E C D Q V G G T
UniRef90_V7EFV0 UniRef90_G4RF48	MTH DVLIIGAGPGGYVAARRARQLGLRVGLVERAHLGGIEKFDLIVIGGGSGGVRAARVSAQLGAKVALVEEYRYGGT
UniRef90_C7RQZ8 UniRef90_C7NAW4	A A Î R A A QL G F S V A C C E S N P Y A D P M K K Y D A V I I G F G K G G K T L A G F L A G K G Q N V A L I E K S D K M Y T
UniRef90_UPI0003FBDBD3	KDYDLVI LGGGTGGYVAAIRASQLGMQVAVVEKGELGGT DFDI VVLGGGSGGYATALRAAQLGQKVALVEADKLGGT
UniRef90_D1BFX1 UniRef90_UPI000378AB06	IVIAIV I IG A G P G G Y G C A F M C A DIL IGIL IQIV L I IDIVIE K N P G G T
UniRef90_F8L2M6 UniRef90_F4LW57	K K F D V A V I G G G P G G Y P A A I K A A Q N G L S V A L I E A N T L G G T Y A G K R K A K V A L I E K C E L G G T
UniRef90_D8QML3	D F D L F T L G A G S G G V R A S R T A A N F G A K V A V V F L P F V G G T
UniRef90_C7QD41 UniRef90_A1SR77	QFDLVILGGGSGGYACAFRAADLGMSVALIEKAEVGGT HYDAIVIGSGPGGEGAAMKLAKGGLRVAIVEKYKDLGG
UniRef90_UPI00037876F4 UniRef90_A6VW16	Y DIV L V L IG G G P G G YIVIT AII IR A A QII IG F K T AIV VIF R F H M G GII I
UniRef90_W0T8K0	HYDYLVIGGGSGGVASSRRAAKYGAKTLLIEGKAMGGT
UniRef90_G5IFK4 UniRef90_D8K0R0	Y DLI VI GAGPGGYPATLRAAELGRRTĀVIE <mark>C</mark> RELGGT MKHYDVI VI GSG AGLDVLDNAVELGLKAAL VDRGPVGGT
UniRef90_UPI0003715093 UniRef90_S9S1E7	D Y D L FV I G G G S G G V R A G R L A A A M G K K V A I A E E F R Y G G T D Y D L F V I G G G S G G V R A A R V A A A G G A K V A L A E E S R L G G T
UniRef90_V5FN09	S H F D V V G S G P G G E G A A M G L T K A G F N V A E K E K S V G G
UniRef90_UPI0000E0E436 UniRef90_A4G5Y9	A A II IR A A QII IG F SIVIA <mark>C</mark> II ID F WK N A K G
UniRef90_A6X3R4 UniRef90_K6D528	Y DL V V I G A G S A G F S A S I T A A D Q G A Q V A L I G S G T I G G T E Y D L V I L G G G T G G Y V A A I R A A Q L G L K T A I V E K G K L G G T
UniRef90_UPI00041E4E15	EKYDIL VI LIGAGI GGYIVIA AII IRAA QILIGMI I AIV VIEKS SILIGGI
UniRef90_F6HE11 UniRef90_D6TBP4	A A I K A A QLGLK T T CI E K R G T G G T H Y D V I V I G T S Q G G R F L P I E F A R A G R K V A L I E R D H M G G V
UniRef90_B5JTA0 UniRef90_J3CE61	A T A N R A A Q R G A K V A V V E A N R L G G T D Y D L F V I G G G S G G V R A G R L A G A M G K K V G L A E E Y R M G G T
UniRef90_H2Y7X3	Q D A D L V V I G S G P G G Y V A A I K A A Q L G L K T V <mark>C</mark> V E K E S T G G T
UniRef90_A8F3Z6 UniRef90_S7U1U7	Y DĀV V I G A G P G G Y V A A I K L A Q R G K K VĀ V V E K S F V G G T K Q Y D L V V V G S G P G G Y V A A V R A V Q L G F K V A <mark>C</mark> V E K A A <u>R L I</u> G G
UniRef90_Q9NL96 UniRef90_I0XX59	R R A K M Y G A K <mark>C</mark> A V I E N N R II G G T
UniRef90_UPI00047B2699	E N Y D L T V I G G G P G G Y V A A I R A A Q L G L N V C L V E K E K L G G V K E Y D L V I V G A G T G G Y V A A I R A S Q L G L S V A V V E K D K L G G T E Y D L V V I G G G S G G L A C A K E A C Q F G A K V A V L D F W G L G G T
UniRef90_U5EQ42 UniRef90_G2P4J5	A H F D V V V I G A G P G G Y V A A II R A A D II G II II I A IV V F F R Y W G G V I
UniRef90_G8RWU9 UniRef90_C1F334	EKFDAIIVGAGQAGPPLAGRETEAGGTVAVIERKLVGGT ESFDALVVGAGQAGPSLARRLAKAGRKVAVVERHLFGGT
UniRef90_E1VKE3	GGGGGGGGCARMAARLGVRVACIESRFWGGT
UniRef90_Q7URE6 UniRef90_A0A010ZJ89	I GGGSGGVR CARMAARLGVRVACIESRFWGGT DFDLFVIGTGPGGEGAAMQAAKGGLRVVAERYRQIGGG DLLIIGAGPGGYVAALYAAKSGLKVTLVEQSALGGT
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UniRef90_I3X754	RLMAAKDDTVSSLTKGIDFLFRKSGVTRLKGKARFEAENS
UniRef90_O86924 UniRef90_UPI0003B423A5	T L R D N V L A E V D R L E G L Y R N T L G S H G V T L P G R G T T T G P H G A V M E R R D V Y E E A D A P E L Y E E M G I E V A E G T G R F L D S H T V A L
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UniRef90_C7NAW4	SINNKNTLI GALRGKNYEMLATKENI DI YDGFGSFASKNV
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UniRef90_D8K0R0	A <u> M</u> K
UniRef90_UPI0003715093 UniRef90_S9S1E7	K
UniRef90_V5FN09	DI LISHAKTVI DKOTTIL ROGFYDRNO <mark>C</mark> TIL I F G A A OFSD A N T
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UniRef90_H2Y7X3 UniRef90_A8F3Z6	KMMEQKSTAVNGLTSGTAGLEKANKVTRVDGHGTLTGPNQ AMKAHMNKTVMMSRKGLEYLFKKYGVELIN GTATVEST
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UniRef90_D1AVB0	KVLAMKGKVVKTLVGGVGALLKSNGLEVFKGVGKLTKDKN
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UniRef90_D2KCA6 UniRef90_H0ZDH0	N MIL JA A K E S SIVIK A L JI GIL E I Y L JF K K N GIVID Y L K GE G S F A S P S K SIVIM A QIVIQ N Y IVIK SIL IN WG H RIVIQIL IQ E K KIVIK Y F NI I K G S F S D P H T
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UniRef90_D3DIL1	KLREGRDHVVVSIREGEKKFAQQLKLPLEYGRGVIKDERT
UniRef90_B8ETF1 UniRef90_C5BB26	A V A A K A G A I S A K A S A G V E S W L K M D N C V V Y Q G S A R F E S P R L D S R S A Y L E R H Q S Y O R G L G N N K V D V L D G V T T F L D A H T
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UniRef90_N1W712	AVIKRSRSVADQMAKGVEFLMKKNKITVVNGEASFQNSKT
UniRef90_UPI0002FF37BB UniRef90_E3B835	KILLEKKUEJI VJN QMY QGV QHL MKQNHJI DILYNGT GRILLGESIL PTHKRSROVSSNI VKGVHYI MKKNKI TEI NGHGTI KADHS
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UniRef90_C7LK61	K F ME A K D S A V T GL T K G L E F L F K Q N K V D Y L K G A A S F V N A N K A F E A K N K M T S K R N K N Y H K V A D Q E T A T V L N A D A E F V D D K T K M L A A K E S S V K A L T G L E T Y L F K K N G V D Y L K G E G S F A S P S K S V M A Q V Q N Y V K S L N W G H R V Q L Q E K K V K Y F N L K G S F S D P H T T M K D A L Q D Y L G S L N W G Y R V Q L Q E K K V K Y F N L K G T G S F V D D K T A L V A H S R Q T S Q T L T S G L A G L M N A R G V T V L A G T A T V A G K G Q K L R E G R D H V V V S L R E G F K K F A Q Q L K L P F F Y G R G V L K D E R T A V A A R A G A L S A R A S A G V E S W L R R M D N C V V Y Q G S A R F E S P R L I D S R S A Y L E R L H Q S Y Q R G L G N N K V D U L S G T A S F L D K N T Q M M K Q K D D S V G Q L T K G L E F L F K K N K V D W L K G R G R L A G R K G W C K R S V Q N H L K S V N W V T R V D L R D K K V E Y V N S M G A F V D G H T A V L R S R S Q V S S N L V K G V H Y L M K K N K I T E L N G H G T L K A D H S T M M G G K D K S N M M S R K G L E Y L E K K N G V D Y V K G F G K V A G P H N T L E R K D E L V N Q M S R K G I E Y L E K K N G V D Y V K G F G K V A G P H N T L E R K S R Q V S S N L V K G G L E Y L E K K N G V D Y V K G F G K V A G P H N T L E R K S R R K V A D G R V K G V H Y L M K K N K L T E L N G H G T L K A D H S T M M G G K D K A V R Q L T G G I E Y L E K K N G V D Y V K G F G K V A G P H N T L M K R S R S R K V A D G R V K G V H F L M K K N K L T E Y N G R G T F V D A N T Q L M N R K K N I L N N I C K G I K Y L F F K N K I T P Y L G T A S F K D K N T A M A Q K D S L T A K L R K K N Y D K L D S N P N I T V L D G T A S F V S P H V
UniRef90_C5EJ38 UniRef90_L0F8S5	A MA Q K D S L T A K L R K K N Y D K L D S N P N I T V L D G T A S F V S P H V R I MA R K D Q V V N T L V G G L E Q L L K A K K I N V V K A W G E V K E A G Y
O::::\Ci30_E0i 003	NE MAN A A D CE VIA TE VOCILE CE EIN A K KIE IN V A MOLVIN EA GT

UniRef90_B9Y9W1 UniRef90_UPI00045EBC67	130 140 150 160 VRVQMKEGEEEARRIFINTGAKPFVPDIPGLNQSQRVYLSVRILDTGEEVAARHILLATGAHPAL GPQIPGCELAITS
UniRef90_K9E263 UniRef90_I3X754 UniRef90_O86924	
UniRef90_UPI0003B423A5 UniRef90_U1KQN5	
UniRef90_W2ET48 UniRef90_L0IX96 UniRef90_K1R2N1	VETDGDRITVTADTI LINTGAEPIVPDI PGLRASPRTLTS VEIDGGTRQVTAAVI I I DTGTRPKPPAI PGAGDVPV LDS VEVGGNL YEADKI LIATGGHPVI PDTP GAEHGI TS
UniRef90_I0DUT7 UniRef90_U2CMD5	VSVRYSDGSCDADNI VIATGSRPYCPSDVD FNHSRIYNS VLVTTGKEEITAPRI LIAAGAKTAVPPLPGIDLPGV EDS
UniRef90_UPI00036DEBB4 UniRef90_J9G149 UniRef90_Q6SFY9	LTVTGSTQQLTAKNIIIATGSKPSTL PFVTLDKERIITS YHVKCGEAVYECDHLLLCTGSDTFIPPIPGVDSVPY WTH ISVTTPNGQKTFEYCVIAAGSSVAHPPGIIQNDP RIIDS DAVECVSDRVYRGDKFLIATGGFPRTIAIPGLDETPY LTS
UniRef90_45GBJ1 UniRef90_19SF65	DAVEVS DRVY RGDK FL I ATGGF PRT TATPGLDET PY LTS VRCG EET YECENLILCTGSET FT PPLAGIDT VNY WTH SPEST NHVRLHADQIVIATGS SPWRPDNLD FNHERVYDS
UniRef90_R4YTR1 UniRef90_K5ZLE9 UniRef90_K5WHB0	SPESTNHVRLHADQIVIATGSSPWRPDNID FNHERVYDS IEVKAGNETLEGEKIFINTGASTIIPSIKGLEGNPYVYTS VEIAGSDGNKLTKYICVATGGRPTVPSDEQIPGASLGIDS
UniRef90_J5KJH3 UniRef90_UPI00037621A4	VEI AGSDGNKITKYI CVATGGRPTVPSDEQIPGASLGIDS VLITNEEEI VETKNVII ATGSSPIEIPSAKFDNKLIVDS YTLEIGDRRVTANKILIAVGGRAVKPNLP GIENALTT
UniRef90_V7EFV0 UniRef90_G4RF48 UniRef90_C7RQZ8	DR PDGLDNVDYLTN DR PDGLDNVDYLTN EVNGEHYSADHI
UniRef90_C7NAW4 UniRef90_UPI0003FBDBD3	VNIESNGENVQGEKIFINTGSTTIIPGIKGLKESNHVYTS FSPMPENTMLVPKNVLIATGSTPKTLPGLDIDHKTVLNSD
UniRef90_D1BFX1 UniRef90_UPI000378AB06 UniRef90_F8L2M6	TVEVDGTRYTGRHVVIATGSYSRSLPGLEIGG RVLTS LEVFLMDGRINAEYTVISAGSRPALFGQPL DSPDIMNS IKITGQDNEIJYADKTIIATGSEPRSI PAFPFDYKKIHDS
UniRef90_F4LW57 UniRef90_D8QML3	I LISDKTEQMTADNIII AAGSVPTIL PIPGHDFQNVITSDVHSDGSSKRYRAKHIL VATGSRAVRLNVP GKELAITSVQVSTNNQNVTGSNVVLATGSVPKSLPGLELDGNRVISSD
UniRef90_C7QD41 UniRef90_A1SR77 UniRef90_UPI00037876F4	V Q V S T N N Q N V T G S N V V L A T G S V P K S L P G L E D G N R V I S S D V L I T K D D E T I T A K D I I I A T G S R P Y R P A D I D F T A A N I Y D S A P K V I K D T T F T G K H V I L A T G A R A R I P Q A G L E P D G K F I W T Y
UniRef90_A6VW16 UniRef90_W0T8K0	A P K V I K D T T F T G K H V I L A T G A R A R I P Q A G L E P D G K F I W T Y N T Y E K G P E L L E A K K V V I A T G S R P Y R P A N I D F S H P R I Y C S D V Q V D N S V E T Y T A E H I L I A T G G K P V F P S K V P G Y E Y G I S S
UniRef90_G5IFK4 UniRef90_D8K0R0 UniRef90_UPl0003715093	VTVTPNKGHLEAASI LIATGSTPAAPPIPGSSLEGVADSDTLRVGSTEIK AEKIFIAAGTRPAVP PIQGLNNVDYLTNIRLIATGKTVTAERIVIAVGGHPTPHEAL PGHELCITS
UniRef90_S9S1E7 UniRef90_V5FN09	VKLTSNGTKLTAKHLLIATGGRPMKPSE NFDESLGMVS VKVTGRTEHYSADRFVIATGSRPYHP DSVDFNHQRIYDS
UniRef90_UPI0000E0E436 UniRef90_A4G5Y9 UniRef90_A6X3R4	V
UniRef90_K6D528	F S P T P E N E M L I P K N V I I A T G S R P R S L P G L E I D G K Y V M T S Y E D E R E N D M L I P A N V L I A T G S K P K T L P G L E L D E T Q V L S S N
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UniRef90_J3CE61 UniRef90_H2Y7X3	I E I LKTGKRVTADQL VAVGGHPNP HAALPGYELCI SS VVAKKADGGEETINYI LIATGSEVTPFPGLELDEDTI ISS
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UniRef90_I0XX59 UniRef90_UPI00047B2699	I WPDTSKEETQSEYFI I ATGARPKEFPGLPFDGDKVLSSK MSNGDENQMLLPKNVLVATGSRPRLLPGIEPDGKQV LTS
UniRef90_U5EQ42 UniRef90_G2P4J5 UniRef90_G8RWU9	V A V L K N K T E N A K Y A A V G G R P R Y P N P G A E G T S L R V T G D T E T V T F D H C V A T G S L T N L L P G T S L S E R V V T Y H T I R V D D R V I F A D R I F I N V G G R A V A P D M P G I S D I D Y U T N
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UniRef90_Q7URE6 UniRef90_A0A010ZJ89 UniRef90 W6W1A7	TIKGEENYIIKAQNIIVATGSKISNIAIPGIELPFVLNST
UniRef90_D1AVB0 UniRef90_K0CH36	VMVDGVKELVT DKIILAGGSKVSKINVSGMDSKLVMTS VVFKPDEQTLEAENVVLAAGSVPLDI PVAEVDQQLIVDS
UniRef90_F9U7Y3 UniRef90_B2B031 UniRef90_A5FT27	VEVTLDDEVVNAKKLLIAVGGNPHVP PEIPGSELGINS DTLFVDDAPVHFKKALIATGARPGVPNIPG LDQTGYRTS
UniRef90_A8NNP4 UniRef90_UPI0002490023	ISVDLLDGEVDAKNFVIATGSVAPFPGGALPIDEEQIVSSIKVTDDEEMLTADRIFINTGSTPIMPSIEGLSESKHVFAS
UniRef90_D2KCA6 UniRef90_H0ZDH0 UniRef90_K1PU86	VRGLTKAGKEVVQNNVIATGGRPKYPTHVAGALEYG ITS FNKKGQELKKTANHFVLAMGERPRYPDIPGAKE YGIITS
UniRef90_G8BGG8 UniRef90_D4YLH5	VKVQPDENVQADNFIVATGSEPT PFPGIEVDEERIVTS VDVEMESETRHATHVVIATGASPRSLPGIEPDG DRIWTY
UniRef90_D3DIL1 UniRef90_B8ETF1 UniRef90_C5BB26	GKVRVGADLLEADRI FI NVGARAATPHMPGIDQISY LTN IDVNGERI SADHI LI ASGGRPAHPDIP GAEYGI DS
UniRef90_F8F203 UniRef90_U2ZG82	LSUTDEYKKVSAYAIVIATGSRPRLIPGFEFDETKVISST EWGQVEVETVAAKNIIIATGSEPTPLPGVEFVEGKV IDS
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UniRef90_E3B835 UniRef90_W7U9J4 UniRef90_A5JK31	I DVKGEDGSTQSTYDNLIIATGATVRTMPGVDLSKNI VSY VHVKLNAGGEETKNI LIATGSVTPLPTCPVDNEKGRI VDS
UniRef90_A5IK31 UniRef90_D9VB06 UniRef90_C7LK61	L EVNGERITFTYGIIATGATARLL PGTQRSERVVTY
UniRef90_C5EJ38 UniRef90_L0F8S5	VEVVNGGERYEGKMIFINTGSSAFVPPIEGLKDNPYVYTS LEVQSETGIDRIQVDHIATGSLPASIPVPGLELPGVVTS

UniRef90_B9Y9W1	170 180 190 200 ESLMELQTLPRRLVILIGGGYIGLEFASMFANEGSQVTILIQ
UniRef90_UPI00045EBC67 UniRef90_K9E263 UniRef90_I3X754	ETLLHADILPRHLLITGSGAIGLEFATMYAGFGSKVTILE TGAISFSKVPFHLAVIGGGAIGLEFGSVWRRFGSRVTVIF
UniRef90_086924 UniRef90_UPI0003B423A5 UniRef90_U1KQN5	NEAFHLDDVPRRIAIVGGGYIANEFAGIFNELGSAVIVIN ENLFDLDEQPELLAIIGAGPIGTEMAGAFAGIGSRVTVLE
UniRef90_W2ET48 UniRef90_L0IX96	T D L I R T T A L P D R L A I L G A G Y L G I E F A S I Y R R F G S E V T V F E T S L M E L D E L P E H L I I L G G G Y I G L E F G Q M F R R F G S E V T I V Q D G F F D L E D L P K R V V V V G A G Y I A V E L A G I F G S L G A K T S I L I
UniRef90_K1R2N1 UniRef90_I0DUT7 UniRef90_U2CMD5	DIII LINILII HEPRHIVI I IYGA GIVI IG <mark>C</mark> EYA SILIFRGILIGIVIKIVIDILI IN
UniRef90_UPI00036DEBB4 UniRef90_J9G149	T GL L A R Q E P Y D S L I I I G G G V I G M E F A S F Y S D L G K K V T V L E T E A L T L R T L P K H L I I I G G G V I G L E L G S V Y A R L G S K V S V V E R D A L N S K E L P A S L V I I G G G V I G M E F A S F F N S F G V Q V T V I E T G A L E L E D I P K R M L I I G G G I I G L E M A T L Y D A F G S K V S V V E
UniRef90_Q6SFY9 UniRef90_A5GBJ1 UniRef90_I9SF65	
UniRef90_R4YTR1 UniRef90_K5ZLE9	D T I _ S E
UniRef90_K5WHB0 UniRef90_J5KJH3 UniRef90_UPI00037621A4	D G F F D L E D Q P K R V A V V G A G Y I A V E L A G V F N T L G S E T H L V I T G A L E F E E V P E K L G V I G G G V I G L E L G S V W S R L G S E V T V I E R E L L E L N A R P D H L A I V G S N H I A V K A A G I M N A L I P K V T L I T
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UniRef90_C7NAW4 UniRef90_UPI0003FBDBD3	T S I ME L K E L P K K L T I L G A G Y I G L E F A S M Y A D F G S K V T V I D D A L Q L E E L P K S I I I V G G G V I G L E W A S M L A D F D V E V T V I E E Q A L K L D T V P K S V I V L G G G V I G S E F A S V W R S F G V E V T I I E
UniRef90_D1BFX1 UniRef90_UPI000378AB06 UniRef90_F8L2M6	N TAIVINI E EIL BERLL VI GGGYI GLELLGTIVY A TLIGSEVITL VE
UniRef90_F4LW57 UniRef90_D8QML3 UniRef90_C7QD41	EALF LEELPSSMLIIGAGVIGTEIGYIYNALGTEVTIVE DEGLNLDELPRR <mark>C</mark> VIVGGGYIAVEFAGIYSGMGSKVELLY HALK LDYVPASAIILGGGVIG <mark>C</mark> EFASVWKSFGTDVTIIE
UniRef90_A1SR77 UniRef90_UPI00037876F4	EALF LEELPSSMLIIGAGVIGTEIGYIYNALGTEVTIVE DEGLNLDELPRRCVIVGGGYIAVEFAGIYSGMGSKVELLY HALK LDYVPASAIILGGGVIGCEFASVWKSFGTDVTIIE DTLLALDHHPQHIVIYGAGVVGCEYASIFNGLGVKTDLIN KEALTPKEMPKSILVIGSGAIGLEFASFYKTLGADVTVVE TLLSLSHTPRSLIIYGAGVIGCEYASIFCGLGVRVELIN DGFFELEKQPEKVVVVGAGYIGVELAGVFNSLGOVNTVI
UniRef90_A6VW16 UniRef90_W0T8K0 UniRef90_G5IFK4	K E A L T P K E M P K S I L V I G S G A I G I E F A S F Y K T L G A D V T V V E T I L S L S H T P R S L I I Y G A G V I G C E Y A S I F C G L G V R V E L I N D G F F E L E K Q P E K V V V V G A G Y I G V E L A G V F N G L G S D S H L V I I M L E E V N M S L K S L V I I G G G V I G M E F A Q L Y S D L G C Q V T V L E E T L L E L E E R P D S L V I L G G G Y I G V E F A H F F E A M G T R V T L L E
UniRef90_D8K0R0 UniRef90_UPI0003715093 UniRef90_S9S1E7	N Q A F DILIP ELIP K SIL VI I I G G G Y II GIVIE F A H F F E A M G I RIVI I L LE
UniRef90_V5FN09 UniRef90_UPI0000E0E436	
UniRef90_A4G5Y9 UniRef90_A6X3R4 UniRef90_K6D528	T G A L A MT E V P K R L GL I G A G V I G L E M G S V W R R L G S E V T V L E T T A L D L E E L P R S L L V I G G G Y I G A E L A Q M F A R A G V K V T L V D E A L A M E N L P S S I I I V G G G V I G I E W A S M L S D F G V D V T V I E G A L R L T E L P A S L T I V G G G V I G V E W A S M F A D F G S E V T V V L E T G A L A L S E I P K K L V V V G A G Y I G L E M G S V W A R L G S E V T V V E T T I I E L D T L P E H L F I L G G G Y I G L E F G Q M F R R F G S Q V T I I Q
UniRef90_UPI00041E4E15 UniRef90_F6HE11 UniRef90_D6TBP4	GALR LTELPASLTI VGGGVI GVEWASMFADFGSEVTVLE TGALALSEIPKKLVVVGAGYI GLEMGSVWARLGSEVTVVE TTLIELDTLPEHLFI LGGGYI GLEFGQMFRRFGSQVTI I Q
UniRef90_B5JTA0 UniRef90_J3CE61	DGFFELKTOPRKALVVGAGYIAVELAGVINALGTETTLAV NEAFHLKKLPEALIAGGGYIAVEFANIFHGLGVDVTLVY TGALSLKEVPKRMVVIGAGVIGVELGSVWSRLGTEVTAVE
UniRef90_H2Y7X3 UniRef90_A8F3Z6 UniRef90_S7U1U7	D D V F K M E K L P E S I L I V G G G V I G I E F A T F F S T L K I P V T V V E T G A L S F D A V P E H L V V V G G G Y V G L E L G S V W R R L G S A V T V V E D G F F D L T D L P K K T A V V G A G Y I A V E L A G L L N G L G S Q V S L F F
UniRef90_Q9NL96 UniRef90_I0XX59 UniRef90_UPI00047B2699	TTILELDTLPEHLFILGGGYIGLEFGQMFRRFGSQVTILQDGFFELKTQPRKALVVGAGYIAVELAGVNALGTETTLAV NEAFHLKKLPEALIIAGGGYIAVEFANIFHGLGVDVTLVY TGALSLKEVPKRMVVIGAGGVIGVEFANIFHGLGVDVTLVY TGALSLKEVPKRMVVIGGGGVIGVEFANIFHGLGVDVTVVE DOVFKMEKLPESILIVGGGVIGVEFATFFSTLKIPVTVVE TGALSFDAVPEHLVVVGGGGYVGLELGSVWRRLGSAVTVVE DGFFDLTDLPKKTAVVGAGYIAVELAGILNGLGSAVTVVE EEALGLTELPQSIIIVGGGGVIGMEFAASMLSDFGVNVTVVE EEALGLTELPQSIIIVGGGGVIGMEWASMLSDFGVNVTVVE DDIFSLDHAPGKTLVVGAGYIGLECAGFLKGMGFDATIMV EEQILAPTLPGSVLIAGAGAIGVEFAYLMHSYGVQVTLVE VGILELDTLPEHLVVVGGGYVAGLEFAARMFRFGARVTVIE SSLLDLDELPEHLVVVGGGYVALEFAARMFGSQVTVVD DGFFAMQNKPARAIVIGGGYVAVELASILAAGSEVTILY
UniRef90_U5EQ42 UniRef90_G2P4J5	DDIFSLDHAPGKTLVVGAGYIGLECAGFLKGMGFDATIMV EEQILAPTLPGSVLIAGAGAIGVEFAYLMHSYGVQVTLVE
UniRef90_G8RWU9 UniRef90_C1F334 UniRef90_E1VKE3	E E QI LAPTLP G S V L I A G A G A I G V E F A Y MHS Y G V Q V T L V E V G I L E L D T L P E H L V V I G G S Y I A L E F A Q M Y R R F G A R V T V I E S S I L D L D E L P E H L V V V G G G Y V G L E F A Q M F R R F G S Q V T V V D D G F F A M Q N K P A R A I V I G G G Y I A V E L A S I L A A A G S E V T I L Y
UniRef90_Q7URE6 UniRef90_A0A010ZJ89 UniRef90_W6W1A7	DGFFAMQNKPARAI VIGGGYI AVELASILAAAGSEVTI LY DTI LEMKDKPTSI TVYGAGVI GTEYASMFRNLGI KVNLI N KAL SDHKLPQSI TI IGGGVI GMEFAFI YKNFGVDVHVI E
UniRef90_D1AVB0 UniRef90_K0CH36	SDI VMLDRVPKHLVI VGGSYI GLEFAQIYRRFGAEVTVVE DDLLEMKEVPKTMAVI GGGVVGVELGQAFATFGSKVTI I E TGALEFTSVPKKLGVIGAGVI GLELGSVWARLGSQVTVLE
UniRef90_F9U7Y3 UniRef90_B2B031 UniRef90_A5FT27	DSVLGLRHTPRSMTI YGAGVI GCEYASI MGALDVKVNL VDDGFFDI DKLPKKVALVGAGYI AVEFAGMFNALGVETHLFI ATIFEMAALPTRLAI I GGGPL GCEMAQAFCGL GSHVII VQ
UniRef90_A8NNP4 UniRef90_UPI0002490023 UniRef90_D2KCA6	SSILDLDELPEHLVVVGGGGYVGLEFAQMFRRFGSQVTVVDDDGFFAMQNKPARAIVIGGGYVGLEFAQMFRRFGSQVTVVDDDGFFAMQNKPARAIVIGGGYIGASLLAAAAGSEVTILY DTILEMKDKPTSITVYGAGVIGGTEYASMFRNLGIKVNLIN KALSDHKLPQSITIIGGGGVIGMEFAAFIYKNFGVDVHVIE DDIVMLDRVPKHLVIVGGSYIGLEFAQUYRRFGAEVTVVE DDILEMKEVPKTMAVIGGGGVVGVELGQAFATFGSKVTIIE TGALEFTSVPKKLGVIGAGVIGLELGSVWARLGSQVTVVLE DSVLGLRHTPRSMTIYGAGVIGCEYASIMGALDVKVNLVD DGFFDIDAKLPKKVALVGGGGVIGCEYASIMGALDVKVNLVD DGFFDIDAKKVPEKMVVIGGGGPLGCEYASIMGALDVKVNLVD DGFFDIDAKKVPEKMVVIGGGGPLGCEYASIMGALDVVXVNLVD TGALSLTKVPEKMVVIGGGGIGGLEFAQIGGSHVTIVVE REMLDQSKQTQNLAILGSGGPIGLEFAGSVWSRLGAEVTVVLA TGALSLTKVPEKMVVIGGGGIGGLELGSVWSRLGAEVTVVLE REMLDQSKQTQNLAILGSGGPIGLELGSVWSRLGAEVTVVLE DDLFSLPYCPGKKMIVIGGGGIGGLELGSVWSRLGAEVTVVLE DDLFSLPYCPGKKMIVIGGGGIGGLELGSVWSRLGAEVTVVLE RDDLFSLPYCPGKKMIVIGGGGIGGLELGSVWSRLGAEVTVVLE RDDLFSLPYCPGKKMIVIGGGGIGGEFAASLFADMGSDVTLLE RDALATTELPSSLVVGGGGAIGGEFFAYIFKWYGCODVVLVE RDALATTELPSSLVVGGGGAIGGEFFAYIFKWYGCODVVLVE SSMVRLDVLPSHLAIIGGGSYIGLEFAQIYRRFGAKVTVIE RDALATTELPSSHRWVGGGGAIGGEFFAYIFKWYGCODVVLVE SSMVRLDVLPSHLAIIGGGSYIGLEFAQIYRRFGAKVTVVE RDALATTELPSHRMLIVGGGGAIGGEFFAYIFKWYGCODVVLVE RDALATTELPSHRMLIVGGGGAIGGEFFAYIFKWYGCODVVLVE RDALATTELPSHRMLIVGGGGAIGGEFFAYIFKWYGCODVVLVE RDALATTELPSHRMLIVGGGGAIGGEFFAYIFKWYGCODVVLVE RDALATTELPSHRMLIVGGGGAIGGEFFAYIFKWYGCODVVLVE RDALATTELPSHRMLIVGGGGAIGGEFFAYIFKWYGCODVVLVE RDALATTELPSHRMLIVGGGGAIGGEFFAYIFKWYGCODVVLVE RDALATTELPSHRMLIVGGGGAIGGEFFAYIFKWYGCODVVLVE RDALATTELPSHRMLIVGGGGAIGGEFFAYIFKWYGCODVVLVE RDALATTELPSHRMLIVGGGGAIGGEFFAYIFKWYGCODVVLVE
UniRef90_H0ZDH0 UniRef90_K1PU86	DDLFWLKKSPGKTLLVGASYVSLECAGFLTGIGLDTTVMM DDLFSLPYCPGKTLLVGASYVSLECAGFLHALGLNVTVMV TGLLSLKEIPKRLAIIGGGLIGLEMASVYSRLGSKVTVIE
UniRef90_G8BGG8 UniRef90_D4YLH5 UniRef90_D3DIL1	T GL L S L K E I P K R L A I I G G G I I G L E M A S V Y S R L G S K V T V I E R D A L A T T E I P S S L V V V G S G A I G S E F A S L F A D M G S D V T L L E Q I W N L E S F P K R M L I V G G G A V G V E F A Y I F K M Y G C D V V L V E S S M V R L D V L P S H L A I I G G S Y I G L E F A Q I Y R R F G A K V T V V E
UniRef90_B8ETF1 UniRef90_C5BB26	SSMVRLDVLPSHLAII I GGSYI GLEFAQI YRRFGAKVTVVE DGFFALDALPQRVAI VGAGYI AVELAGVLNALGAETHLFV GALM MKDLPQRLII LGAGAI GMEFAYI MNSFGVEVIT MVE
UniRef90_F8F203 UniRef90_U2ZG82 UniRef90_B3MB57	DDI IFSYDREPGRTILVVIGAGYVIGILIE CGSVWRRILIGAEIVEVVE
UniRef90_N1W712 UniRef90_UPI0002FF37BB UniRef90_E3B835	DAMIEPKVIP NLAII GAGAI GVEFADFYTSMGSKVSI I E DDILKMDQLPNSI AII GGGVI GLEFASYLTDLGVSVTVI E EEQI LSEELPGSI I GGSGAI GVEFAYVMKNFGVDVTI VE
UniRef90_W7U9J4 UniRef90_A5IK31	T G A L V L K T V P K T M A V I G G G V I G L E M G S V WR R L G S K V T V I E
UniRef90_D9VB06 UniRef90_C7LK61 UniRef90_C5EJ38	EKQILESELPGSIVIAGAGAIGVEFAYVLRNYGVDVTIVE TEILSLNYIPKKLAIIGGGGVIGIELGSLYKKLGSDVTIIE EGLLSRRELPEKLVIIGGGYIGVEFSSIYASFGSEVTILQ
UniRef90_L0F8S5	E E I LE QKTLP E SLVI I GGGVI GLEFASLY HELGVQVSVIE

UniRef90 B9Y9W1	210 220 230 240 PNQRF L PREDLE I ADA V EASLARRG V Q L MRNTA LVE V RDE
UniRef90_UPI00045EBC67	R G D K V L R G F D M E L R D H L E T E M T R A G I K L V S G K T L A S I E A I
UniRef90_K9E263	T G K R F L P R A D R E I A E Y M Q E S L K R K N I E V R L N A R V Q S L H D T Y L D A I L P G M D E D I R A K A L Q I L T Q Q G M T I L T S T A V E R I S Q I
UniRef90_I3X754 UniRef90_O86924	RSGQLLRGYDHSVRDRLVELSTRKGIAFRFDASFEKVIKL
UniRef90_UPI0003B423A5	MTDRILLSADDPALASMLQERLEAEGVRYAFGARVERVAPG
UniRef90_U1KQN5	RKHAPLRSFDPLIVETLTEVMDKEGPTLHTHSTPKEITKE TSERILGHEDVEAAEAVERILAEEGVEILTGARVTEVRDA
UniRef90_W2ET48 UniRef90 L0IX96	T S E R I L G H E D V E A A E A V E R I L A E E G V E I L T G A R V T E V R D A R G P R L L K L E D E D V S D E V A A L L R D D G I T V L T S S T P L R V E R T
UniRef90_K1R2N1	RYDQIVI IRNEDGMILISQAIVITDNILIEHGGIVIEIVI <mark>C</mark> RKTQILISKIVITKE
UniRef90_I0DUT7 UniRef90_U2CMD5	TRDHLLAFLDQEMSDALSYHFWNSGIVIRHNEEYEKIEGVAMDRILPGMDREISQNLKMLLKKRGVDLHTKASVTRVERMYTDGIIPTMDRALGKELLKSLKKTGLEFYLSHKVTAVTRV
UniRef90_UPI00036DEBB4	Y T D GI I P T M D R A L G K E L L K S L K K T G L E F Y L S H K V T A V T R V
UniRef90_J9G149	MMDEILLIGGMDKEILISGILLIRIVIEYILIKRGILIRFMILIQLKIVVISILIAMI
UniRef90_Q6SFY9 UniRef90_A5GBJ1	MKDQLISGADKDLTKPLYRRTKKRYEATYLRTKVSEINPQ HGPRLLPALEAEPVLALQEALVAEGMETVLNAPICSVSRR
UniRef90_I9SF65	M L D E I L N G M D K E L S A L L R A E Y A K R G I R F L L S T K V I S L S Q N
UniRef90_R4YTR1	PGDRLLSFLDDEISDALSYHLRDKGALIRHNEDFDSIEAN
UniRef90_K5ZLE9 UniRef90 K5WHB0	G G D K F I A R E D R D I A E A V K T V L E K K G I T I H L N A L V Q S I E H N R H E N F L R T F D P T V Y E T L G N WA T H T G I H I H K K S H V T K V E G T
UniRef90_J5KJH3	A M D D F L F M A D K D I S R D S L K E F K K Q G L N I E L G S M L T A S K V T
UniRef90_UPI00037621A4 UniRef90_V7EFV0	PETQILLIPGYDDDILIRSTILIQTQILISQILIGIVQILLICRSQIVQQILIERE
UniRef90_G4RF48	R R D K L R G F D H D V R D G L E D A L R E R G V R F R Y G Y H I S G L R R D
UniRef90_C7RQZ8	
UniRef90_C7NAW4 UniRef90_UPI0003FBDBD3	LAQRIMPREDEEI ADRAKAI FEAKGI KFLLESKI EEL IDK YLEDI LPSEDTAVAKEVERLLKKKGI NFVKGAKVLA GLPHLVPAEDEALSKAFERAFRKRGI AFNLGDRFKTVEQD LTDGLLPGVDRDLVRPLEKHLEKILHQI HLKTLVKQLKPQ MMPRI LPMESGTVSGFLTKAFQKQGI SI ETSAMVHSI DST MLPELLPKLDDDLSQELITKAFQKQGI SI ETSAMVHSI DST
UniRef90_D1BFX1	GLPHL VPAEDEALSKAFERAFRKRGI AFNLGDRFKTVEQD
UniRef90_UPI000378AB06 UniRef90_F8L2M6	LTDGLLPGVDRDLVRPLEKHLEKILHQIHLKTLVKQLKPQ MMPRILPMESGTVSGFLTKAFQKQGISIETSAMVHSIDST
UniRef90_F6L2W67	MUPELLPKUDDDUSQELIRHUKTQGIKIYTDAKVKEIKQK
UniRef90_D8QML3	RKKTPLRGFDDEMRAVVARNLENRGVHLRPDTNVTKIEKV
UniRef90_C7QD41 UniRef90_A1SR77	RKKTPLRGFDDEMRAVVARNLENRGVHLRPDTNVTKIEKV GLPHLVPLEDENSSKLLERAFRRRGIKYELGNFFSGVEYT TRDSLLSFLDTEMSDALSYHFRNSGMLLRHDEEYEKVEST
UniRef90_UPI00037876F4	MIVID RII LIPAEDAEII IS KEAEKQEKKQGMIII LII RI QIVIEKILIEKG
UniRef90_A6VW16 UniRef90_W0T8K0	PAKKLLSFLDDEIITDALSYHLRDGGVLIRHNETYDSVETT RGETVLRKFDQ <mark>C</mark> IQDTVTD <u>TYL</u> KEGVNIHKSSNVTKVEKD
UniRef90_G5IFK4	A M D R II L IP G M D R E II IA Q N IL IK M II IG K K R N II ID II I <mark>H</mark> T G A M IV IK E II IQ K T
UniRef90_D8K0R0	MRSDII LITGEEPEII I IETIVITRAILIRRR MEIVI ITGARIVITDIVIASA
UniRef90_UPI0003715093 UniRef90_S9S1E7	R G K E I L S R F D Q D M R R G L H A A M E Q K G T R I L <mark>C</mark> E D L L Q S L T R T R G A Q V L R G <u>F</u> D D E <u>A</u> R G L V A D Q M R A G G I D I H S G A N V L E <u>M</u> K A K
UniRef90_V5FN09	T R D Q <u>L</u> L S F <u>L</u> D K E
UniRef90_UPI0000E0E436 UniRef90_A4G5Y9	R K E K P L R N F D D T I S D T L V D I M A E E G P K L I N H A E V T K V I K Q A L P V F L G A V D E Q V A K E A Q K Q F V K Q G L A I N L G V K I G A I A V G
UniRef90_A6X3R4	CRSRLLPEAEPEII GAALIT GYFEDEGII TVISGII AYRAII RKT
UniRef90_K6D528 UniRef90_UPI00041E4E15	YADRIIPTEDHEISKEMQRIMKKKKIKIVTGAKVLP ETL YTDRILPAEDHDIAVEMKKALEKKGVTIHTGAEVLPDTMQ
UniRef90_F6HE11	FAPDII VIPTMDGEII IRKQFQRAII IEKQKMKFMIVIKTKIVIAGIVIDTS
UniRef90_D6TBP4 UniRef90_B5JTA0	S R P R II I I IM N E D E DIVIS K E IVIA K II I I IR E E GII ITIV I IT G A M P O OIVIE S II I
UniRef90_J3CE61	RGDRPLRQFDRDLGDALVRGMAEHNLEVRTGSEVEKVERQ RGKEILSRFDHDLRHLLHEAMEAKGIKIRCGELLKEVKRN FLGHVGGGLDMDVSKTFQRTLQKQGLKFKLNTKVTSASRS
UniRef90_H2Y7X3	
UniRef90_A8F3Z6 UniRef90_S7U1U7	MDHILPGEDKDVAETISKSLKKKGVETYESSRITSVEPD MLPKLAATMDGRIJRSLERMLRKQGLDFRLETRVSGVTVT
UniRef90_Q9NL96	RYPEFLRTFDEMLRTTLMDEMKSKGVHLVPSTPIRAAKHA
UniRef90_I0XX59 UniRef90_UPI00047B2699	MQDKI LPLEDAEIISNLLINRSFVKRGI QIILITSVGVSEPKLE YGDRI IPTEDKEIISREI TRVIKKRGVTI VTSAKVIS ETI
UniRef90_U5EQ42	RSIVLRGF DQQIAELITQSMQEKGVNFLFKTQPQSVEKQ
UniRef90_G2P4J5 UniRef90_G8RWU9	FMDRI VPLEDEEVSAELTRRFRRLGMNILTSTRVEALNDA
UniRef90_C1F334	RGGRLAPHEDEEASKVIDEI FRAEGIASRTSAECIHLEVD
UniRef90_E1VKE3 UniRef90_Q7URE6	RGETVLRGFDDEVREHLQGVLQARGURULTHAQVASIDKA
UniRef90_A0A010ZJ89	FMDRLLTMVDGDISKEIQDMAEKNNIHIHTGSKVKKIQSS
UniRef90_W6W1A7	K G P R L V G R E D E E I S Q A I R E L L E A E G I H V R T G A E C I R F R S H
UniRef90_D1AVB0 UniRef90_K0CH36	AVDTFLPAVDQQIAKEAMKQFTKQGLDIHLGARVTGSKKN
UniRef90_F9U7Y3	TRDRLLSFLDDEIITDALGYHURQQGVVIRHNETYERVEAD
UniRef90_B2B031 UniRef90_A5FT27	N D P K F L P R E E R D A A E I I IS R S M A R D GIVIDII RI IN T TIV VIG A R RIVI
UniRef90_A8NNP4	FLGATGGGTDEEVSKQFQRLLTKQGLKFKLNTKVVSAEKK
UniRef90_UPI0002490023 UniRef90_D2KCA6	HDAQLLRRVEPEAAEMATTDLEEDGLKFAFNSVLSSVEDT
UniRef90_H0ZDH0	R SI PL RF D Q A S Q M A S L V T E H M E S Y G T K F L K R C F P T K V E K L
UniRef90_K1PU86	RSII L LRGFDQQMAEKIIGDYMEVEGVKFVRPCVPTKLEKL
UniRef90_G8BGG8 UniRef90_D4YLH5	A A D D F L P A E E K A A S S Q V Q K A F E A K G I D V R T G V T V N G V N A H
UniRef90_D3DIL1	LKDRLLPSNDLPSSRYLARKLKRLGVDLRLKTSVESWERK
UniRef90_B8ETF1 UniRef90 C5BB26	MAPKIL VISKEDSDIVISAAII IKSMILIESEGIVIDERIVIDAE <mark>CI</mark> I IRFARR RRHAPII IRSEDSI I VIDTII II IEVIMHSEGPOII IHTH SIVIPOSIVIVIK N
UniRef90_F8F203	MLDRILPMEDADVSSAVKAVFEKRGVRFYTGMKAVRLEKT
UniRef90_U2ZG82	Y L D K I G A G M D A E V A T A F Q R G L T K Q G M T F R M G T K V T G A K V V
UniRef90_B3MB57 UniRef90_N1W712	FQDHLLPNEDGEISGVLERSFKKRGIIEQYLSHGVETAVVS
UniRef90_UPI0002FF37BB	ANERLLPNESKQI AKTI KNELENRG TKEFENVAL
UniRef90_E3B835 UniRef90_W7U9J4	FADKMVPIEDADVSKELLIKQYKKLIGIKVMTGTKVVEKAEDT FLDRI <mark>C</mark> PSLDQEVGQAFOKIIAKOGIOFKIGTKVVGSTVK
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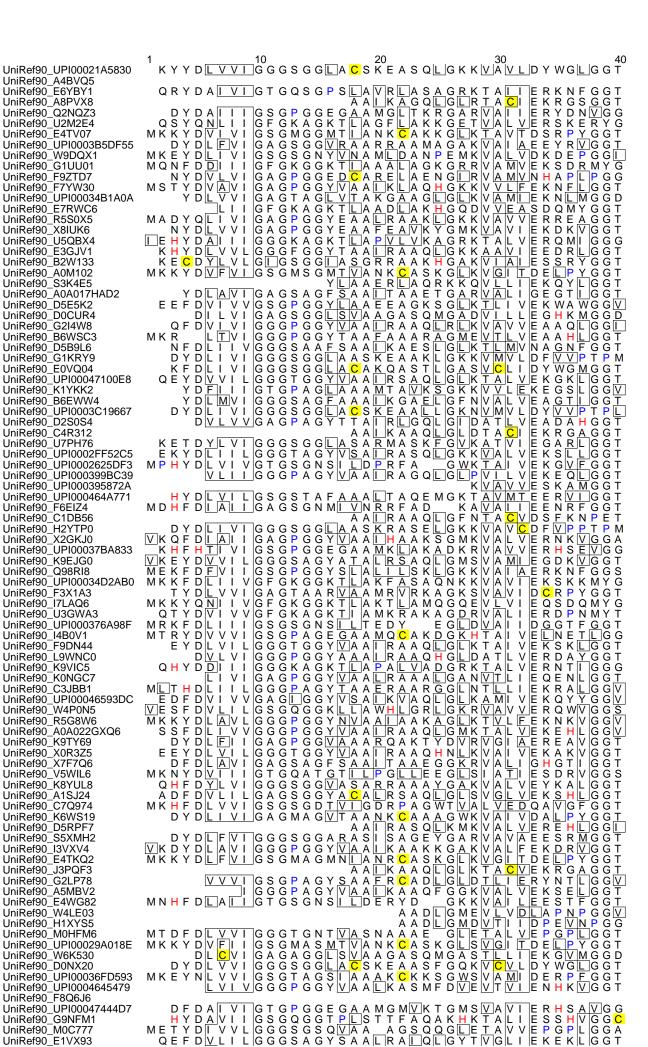
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UniRef90_K0CH36 UniRef90_F9U7Y3 UniRef90_B2B031 UniRef90_A5FT27	L S Q D A G V T L D E R N F I Y V D N Q C R T D V P G V Y A I G D L V R G P A L G L E T L G L A P N Q R G Q L E V N K S Y Q T T L P H I Y A V G D V V G Q P A L G L E A A G V K T T E K G H I V V D E Y Q N T N V E N V Y A L G D V T G H V E L N L A A A G V T F D E D H G I K V D D F L R S T N P N V Y A A G D V C L A L K	
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UniRef90_U2ZG82 UniRef90_B3MB57 UniRef90_N1W712 UniRef90_UPI0002FF37BB	L GL D K L G I Q L D R G Y I Q V H D Y Y E T D A Q G L Y A V G D I V G E A Q L G L E T V G I E T D K R G F I A N D H F K A G Q D G V W V I G D V T Y G P M L N L E A A G V K T Q N D K I V V D R S E A T N V P H I F A V G D L V Y G R P I G L D E I G I K L K N G F V D Y V G N Y R S T I D H I Y A I G D C I P T P A I G L N N T K I K S T E S G H I I T N Q Y Q Q T E D K H I Y A A G D C I G K L Q Y G L E D L G V K L T E R G A I E I D G R G R T N V D K V Y A I G D V T A K L M	
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UniRef90_O86924	I IT PIVIAII IR E G O A E A D T O E G G K P H RIVID Y R HIVIP S AIVIE S H P PII I
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UniRef90_U1KQN5 UniRef90 W2ET48	HTYLSLDDSRIVMDQLTGEGRRSTDDRVAILPRTLFTTPPL
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UniRef90_K1R2N1 UniRef90_I0DUT7	LTPVAIA A GRRLAHRLFDNKPDLKLDYSNI A TVVFSHPPV LASAAYDQGRIA_ARALAEDLGNAHLVEDIPTGIYTLPEI
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UniRef90_UPI00036DEBB4 UniRef90_J9G149	LAHKASDEGVYVAE LIAGKFPELNYLLIPNVVYTWPEV LAHTAVREAEVAVHHLLCQEDA MSYRVIPGVYYTNPEI
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UniRef90_F8L2M6 UniRef90_F4LW57	ILIA HIVIA SHQGII VIAII IKNII IMGEEHKMD YKAII IPY <mark>C</mark> II IYI NPEA
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UniRef90_C7QD41 UniRef90_A1SR77	LAHVGFÄEGILVAEHTÄGL NPAPIDYDGVPRVTYSHPEV LASAAYDQGRIAAHFILTQEGKKKLIKDIPTGIYTIPEI
UniRef90_UPI00037876F4	IL IA H K A S H E GII I I <mark>C</mark> IVIE KII IA G K DIVIH P MII IK E NII IP G <mark>C</mark> T Y <mark>C</mark> H P QIVI
UniRef90_A6VW16 UniRef90_W0T8K0	LASAAYDQGRAAAAN MFGAPGGEFISEVPTGIYTIPEI LTPVAIAAGRKLANRLFDQFKNQKQDYENVPSVIFSHPEA
UniRef90_G5IFK4	IL IA H A A T A E GII IT AIVIE HIL IF G H K P R Y S A AIL I I P S CIVIY T D P E II I
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UniRef90_K6D528 UniRef90_UPI00041E4E15	LAHVASHEGIVAVEHLTGEK PSPIDYSLISKCIYSNPEV LAHAASHEGTAAVEHMAGRNVEPMDN NLIPROTYSAPEA
UniRef90_F6HE11	L A H K A E E D G V A <mark>C</mark> V E
UniRef90_D6TBP4 UniRef90_B5JTA0	FT HVS Y D D Y RILRT N L LEH G S A S T R D R L V P H T I F I D P Q L L T P V A I A A G R R M A D R I F G G M K G R K L D Y R L I P T V M F S H P P I
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UniRef90_S7U1U7	IL IA H K A S A E GII IA A IVIE N M A G K P G E IVIN Y D A II IP A IVI I Y T W P E A
UniRef90_Q9NL96 UniRef90_I0XX59	L T P V A L A A G R R L T E R L F N K K S D Y K L S Y D N V P S V V F S H P P L L A H V A S T E G V K A A E A L S L O S K N P H G D Y L K L P A C T Y C H P E V
UniRef90_UPI00047B2699	L A HVA S T E GVK A A E A I SI Q S K N P H G D Y L K I P A C T Y C H P E V L A HVA S H E GI I A V E H M T G H K P D P L D Y M T V S K C V Y T H P E V E L T P V A I H A G R L L A R R L F N N E V Q I M D Y T D V A T T V F S P L E Y L A H A A E A M G I V A A E T I A G A E T V E L D Y V M L P R A T F C Q P Q I F T H T S Y N D F E I V A A N L L D D D P R R V S D R L T T Y A L Y I D P P L
UniRef90_U5EQ42 UniRef90_G2P4J5	ELLT PVAL HAGRIL LARRLENNEVQI MDYTDVATTVFSPLEY
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UniRef90_C1F334	FTHTSYNDFEILVAEN LLDGASRRVSDRIPVHALYLDPPL
UniRef90_E1VKE3 UniRef90_Q7URE6	FTHTSYNDFEIVAEN LLDGASRRVSDRIPVHALYLDPPLLTPVALAEGMYVAHYLFGKKAPAPIQYGCVASTVFSQPQVLASAAYTQGRAAGMH LLGRVDGNLRLNDIPTGIYTSPEILAHVASHQGIVAVENIL GKHKEMNYSAVPNVIFTSPEI
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UniRef90_K0CH36	LAHKALEEGVMVAE VIAGEHTQVNYDAVPGVIYTHPEV
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UniRef90_D2KCA6	LAHKAEEEGIAAVE IIKSGHGHVNYDAIPSVVYTHPEV
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UniRef90_G8BGG8	LAHKAEEEGIAAAE IIKNGHGHVNYANI PSVMYTHPEV
UniRef90_D4YLH5 UniRef90_D3DIL1	L A K A S H E A L V C N A G F D R T P P A K D W R A W V P R C T Y T Y P E V A V C T T Y P E V T T Y P E V T T Y P T T T T T T T T T
UniRef90_B8ETF1	LAHKASHEALVCINAGFDRTPPAKDWRAWVPRCTYTYPEV LAHKSMYEGRVAVSHMLG DRDLKRDERIVPKIIYSAYEL FTHTAYNDFELVAANLLDHDPRRVSERLEAYALYV DPPY
UniRef90_C5BB26	L T P V A V A A G R R L S E R L F N N K P Q E H L D Y S N I P T V V F S H P P I L A H V A S A Q A E V V A E R V A Y N P H L S R L D K H F V P Q A V Y C E P Q N L A H K A E E D A V A A V E L L A G K A G H A D Y N L V P S V I Y T A P E V
UniRef90_F8F203 UniRef90_U2ZG82	LAHKAEEDAVAAVE LIAGKAGHADYNLVPSVIYTAPEV
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UniRef90_N1W712 UniRef90_UPI0002FF37BB	
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UniRef90_C7LK61	LAHASESMG IVAAETIAGAETMELDFVMI PRATYCQPQI LAHKAEKEGIFVSEKIYGLKNKIN YNLIPSVIYTNPEV FTYISLDDFRIVKSSVLGDGSYDLKKRGAVPYSVFLDPPF LAHVASMQGMVVAEHLAGRQVTMEG RAIPSAIFTYPEL
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UniRef90_C7URE6		GCVGLISEESALIAKYGEDAILEVYHAYYKPTEFFVPQRSVRH
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UniRef90_B3MB5/ ACVGMSEETALEKHGADNIEVFHGYYKFTEFFIJPQKSVRF UniRef90_N1W712 ASVGLTEEKA KALGYELSVGKFPFTASGRAQAQGDTTG		A S IV IGILIT E E Q A E E M G Y E IV IKIV IG IV V IS F IV P N P K A M D D G E N E G A K I I IG M S IV A A A K A S G R R IV I V IG F R P M T R IV IG R A IV IF K G F T T G
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UNIKET9U_N1W/12 A S V G L L L K A K A L G Y E L S V G K F F T A S G R A Q G D T T G UNIREF90 UP10002FF37BB A S L G K N L E Q A K N D N K A K N F K V S F K A L G K A M L D D N Q N G C C C C C C C C C	UniRef90_B3MB57	A CV GMS E E TALE KHGADNI EVFHGYYKPT E F FLPQKSVRF
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UniRef90 D9VB06 A S F G W I E E Q A R E K GIL IDIVIQIVIA K F P F I A N G K A H GIL IG D A A G	UniRef90_D9VB06	ASFGWIEEQAREKGILIDIVIQIVIA KFPFIANGKAHGILIGDAAG
UniRef90_C7LK61 A S V G K S E K E L K N M N L N Y K L G K F P L K A L G R A L S S G E L N G UniRef90_C5EJ38 S R V G M S E K E A L E A G Y K V K V A K L A A A A L P K A Q V L E Q P A G		A S V G K S E K E L K N M N L N Y K L G R A L S S G E L N G S R V G M S E K E A L E A G Y K V K V A K L A A A A L P K A O V F O P A G
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	410 420 430 440
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UniRef90_C7NAW4	II I IK AIV I ID A K T D KII I IG <mark>C</mark> TII I I <mark>C</mark> N T S H F MII INII VIA A A M K A F Q K Y
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UniRef90_S9S1E7 UniRef90_V5FN09	LMKLVVCKKTDVVLGCHIVAPAAGEMIQLAGIAVKMGATK SLKILFHRESREILGIHCFGERAAEIIHIGQAIMEQPGSI
UniRef90_UPI0000E0E436	TMKILI <mark>C</mark> AGENEKIVVIGILIHGILIGHGMDEILLIQGEGVALIKMGATK
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UniRef90_D6TBP4	L VKILAEKET DKILGVHIFGPNAGELLHEAVLALHYGASS F <u>M</u> KAIVDAETQHILG <mark>C</mark> ALLGVE <u>G</u> GELMTIIQVAMMGNLPY
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UniRef90_B3MB57	CYAVAELAGDQKI LGLHYMGPWAGEVIQGFAAALKSGLTV
UniRef90_N1W712 UniRef90_UPI0002FF37BB	MILKI I S D K K H G E I L G A H L I G S G A T E L I A E L T L G A N M E L T V F C E I I L D Q E Q D E I I G L N M I G P H V T E L I N E V S L L Q F M N G S S
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OHINGIBU_LUF000	<u>OLVINLLIAN LUGVII GA SILINI GEQA SILI NGEQVLIAN EK</u> GILITA

UniRef90 B9Y9W1	450 T <u>V L </u> R D S I Y <u>T H P T M S E G L N D L </u>
11. 'D - (00 TIDI000 455 D 007	A D E D D T \ \ A \ \ E E \ \ \ \ T \ \ D
UniRef90_K9E263 UniRef90_I3X754	A D F D R T V A V H P T A A E E L V T L R S A L R N F L F T H P S M S E G L N G L A A F D E T I A L H P T M A E E L V L L R R E L A D T I H P Y P S Y G A D F D A V V A L H P T G S E E F V T M R S E L R D T V Y T H P T S T E A F N N D M A D A I F T H P L A E G L N S L A Q F D E T V A L H P T S G E E L V T L R E Y F V N T T F N Y P T M A E A F R G E L A G V I H P H P T F G E G I E D V G L M S H A H P T Y A E A F
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UniRef90_F8L2M6	ESVADTI HAHPTVAEAWM
UniRef90_F4LW57	E D V A S L V H A H P T Q N E A L E D I D L T I H P H P T L N E T I M E S V A D T I H A H P T V A E A WM E E L A D T I H A H P T U S E A V M A Q F D S T V G I H P T A A E E F V T M R Q E V A Q L V H A H P T Q T E A M E Y F V K T T F N Y P T M A E A Y R A E L M H T I F P H P T L S E A M K Y F L N T T F N Y P T M A E A Y R A D F D S C V A L H P T S A E E I V T L E Q L A E L I L P H P T F C E G I D H L A S G I H I H P A L S E L V T M T Q F D Q V C A V H P T M A E E M V T M K
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UniRef90_D8K0R0	DHLASGLHIHPALSELVLK
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UniRef90_V5FN09	D Y F V N T T F N Y P T M A E A Y R
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UniRef90_UPI00041E4E15	WEILAHTIHPHPTLSEAI WEVAGMVHPHPSLSEAV EDIARTCHAHPTMSEAL TALROGIFTHPTLAEGLNSL ADFDNTIPIHPTLAEELVTLK DDFDRTMAVHPTAAEELVTM EDVARVCHAHPTLSEAFR NELEESIHPHPTLTESEAFR
UniRef90_F6HE11	E DI I A R T <mark>C</mark> H A H P T M S E A L T A I R D GI E T H P T II A E G I N S II
UniRef90_B5JTA0	T ALROGIFT HPTLAEGLNSL ADFDNTLPTHPTLAEELVTLK DDFDRTMAVHPTAAEELVTM
UniRef90_J3CE61 UniRef90_H2Y7X3	D D F D R T M A IV IH P T A A E E IL VIT M F D IV A R IV C H A H P T II S F A F R
UniRef90_A8F3Z6	NELEESIHPHPTLTETVL
UniRef90_S7U1U7 UniRef90_Q9NL96	
UniRef90_I0XX59	K D F D E C V A I H P T S G E E F V T M R K E I A G R I H A H P T L S E S V M WE V A H T I H P H P T L S E V L
UniRef90_UPI00047B2699 UniRef90_U5EQ42	KI LKNTVGI HPTVA E E F T RL
UniRef90_G2P4J5	WEVKNTVGHPTVAEEFTRL HEVARNLHAHPTLSEAV TALSRTMHLHPTVSELVPTM
UniRef90_G8RWU9 UniRef90_C1F334	SLLTHSVHIHPTVAELIPT
UniRef90_E1VKE3 UniRef90_Q7URE6	S L L T H S V H I H P T V A E L I P T A QL D A T L G L H P T L A E E L V T M R D Y F I E T T F N Y P T M A E A Y R K E I S E T I F P H P T T S E T L
UniRef90_A0A010ZJ89	KEISETI FPHPTTSETI DTLRWAVPIHPTVSEFWPT
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UniRef90_K0CH36	E D L Q L M V F G H P S L S E T V
UniRef90_F9U7Y3 UniRef90_B2B031	RYFTETTFNYPTMAEAYR ADFDS <mark>C</mark> VALHPTSAEELVTLR
UniRef90_A5FT27	KAILIA EIVIA H T Y P A Q S E AII L I
UniRef90_A8NNP4 UniRef90_UPI0002490023	E D V A R T T H A H P T L S E A F D E L R D Q L Y S H P T M T E A L N D L
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UniRef90_H0ZDH0 UniRef90_K1PU86	ADFDATUGUHPTCSETFTTM
UniRef90_G8BGG8 UniRef90_D4YLH5	E DU A R T CHAHPT LSEAF
UniRef90_D3DIL1	E FLSKSMYAHPSLSEAIV
UniRef90_B8ETF1 UniRef90_C5BB26	E DILART CHAHPTLSEAF PQMMKTVGIHPTCAEEVTKL ADFDATLGLHPTCSETFTTM EDILARTCHAHPTCSETFTTM E FTHAILPHPSLAESV EFLSKSMYAHPSLSEAL STLQRAVHIHPTVSELLPTL RDFDNTVALHPTASEEFVTMR EEVAAMLHAHPTLAEGV
UniRef90_F8F203	E EVA A MUHA HPTLA E GV
UniRef90_U2ZG82 UniRef90_B3MB57	EDIARTSYAHPTRSEAL KTILINTVGUHPTTAFFFTRU
UniRef90_N1W712	KTLLNTVGIHPTTAEEFTRL KELANTIHAHPTLSEGIM LELGLTTHAHPSLSEVLMEL DEVSRNIFAHPTLGEAV EDIARTCHAHPTLSEAF
UniRef90_UPI0002FF37BB UniRef90_E3B835	DEVSRNUFAHPTUGFAV
UniRef90_W7U9J4	E DI A R T CHAHPTLS E A F
UniRef90_A5IK31 UniRef90 D9VB06	E D L E K A I H P H P T L T E T I L L H E I S R N V H A H P T L G E A V
UniRef90_C7LK61	DDLSLITYAHPTFSEAV
UniRef90_C5EJ38 UniRef90_L0F8S5	TVLRDTIYTHPTMSEAFNDL DDLAKTIHAHPTLPEAIM
	i - i - i - i - i - i - i - i - i -



UniRef90 UPI00021A5830	50 60 70 80 CVNVGCIPKKLMHQASLIHSAVQDSYSYGWMDSNNTHDWN
UniRef90_0F100021A3630	CVNVGCVPKKI MWNAAHTAEVIERAADYGERII OVSGHDWA
UniRef90_E6YBY1	VNTGCIPTKTLIASARVAHMARRAAEFGIIGGQVQVDMA
UniRef90_A8PVX8	CUNVGCI PSKSLNNSHIFHDTTHSLKKRGIDVKDVTLNLP
UniRef90_Q2NQZ3	GCTHWGTIPSKALRQAVSRUIEINQSPLHGNTRLPHTGFS
UniRef90_U2M2E4 UniRef90_E4TV07	GTCINVACIPSKSLEYSARLSAEAGGDFAAKAERYR CALRGCDPKKILVGAAEIID RANKMKGIGIQGHISINWQ
UniRef90 UPI0003B5DF55	CVIRGCVPKKYMVYASEEGRMEEHAKGEGWTAENVEEDEA
UniRef90_W9DQX1	CLIRGOIPSKMLLIYPAELVRULEKAGKFGLKASLINNLDFK
UniRef90_G1UU01	GTC IN A CIPTKTLVHEAKALSGCAERDFAQKAADYA
UniRef90_F9ZTD7 UniRef90_F7YW30	ECWRGCIPSKAWRAAADRIRDRVHDAAMGIQLGEPHLDWQ CTNVGCIPTKALTSAHLYSEIMEKSTQLGINVEKVSFDFP
UniRef90_UPI00034B1A0A	CLNVGCVPSKCLIRSSRVVADMKEALPFGVQPPENIQVDF
UniRef90_E7RWC6	
UniRef90_R5S0X5	CLNRGCIPTKTLLHASAIYRDAKNGAHCGIHTEDIHADMA CLNRGCVPTKTLMRSSELAKEEREGDRIGIRASAVEVDLD CINIACIPTKTMVASAEVAHTAQNSAVYGVNAGVPVVDLD
UniRef90_X8IUK6 UniRef90_U5QBX4	C
UniRef90_E3GJV1	CLNVGCIPTKFMLQNAKIIKACDGAAKRGVVMSQPSVNMA
UniRef90_B2W133	C V N V G C V P K K V T WN A A A I A E T F K D A P A Y G F Q V G V P D F D W P
UniRef90_A0M102 UniRef90_S3K4E5	CAILIR G CDPKKIVI I GALE IVIRDEA (JRILIK G N GILID I IVIPEIVIN WE
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UniRef90_D5E5K2	CII INII IG CII IP T K AII I IK S T F AII IH FII IA H A D K Y GIV I IA N D Q T A T W K
UniRef90_D0CUR4	CLNYGCVPSKALLASAKLAHAQSH <u>A</u> APFGVADHA <u>P</u> QVDYA
UniRef90_G2I4W8 UniRef90_B6WSC3	CLNWGCIPTKALLRÁSEINHMLHNLEEFGFAADNVRFDFA CLNSGCIPTKTLKASAEALEALRLAEFGITCDGTPHVDPA
UniRef90_D5B9L6	C V N V G C V P S K N L I R A A E T Y H A T H S N F Q G I R P K G V D I D F S Q
UniRef90_G1KRY9	GTTWGCIPKKIMHOTALIGOALRDAPKFGWDDKAVKHSWD
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UniRef90_B6EWW4	
UniRef90_UPI0003C19667	GTTWGLGGTCV NVGCIPKKLMHQAALLGQALKDSRFFG
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UniRef90_U7PH76	GTTWGLGGTCV NVGCIPKKLMHQAALLGQALKDSRFFGCLNRGCIPSKAIISAASVAHEARTSEE IGITAEVDVDFECLNVGCIPSKSLLNNSHLYHTIKHDTKERGNVADVQIDIGCVNVGCVPKKVTFNAAAIAEALHEAKAYGFSVETKPFDWP
UniRef90_UPI0002FF52C5	CILITIK GICITIF TIKALLIK SADIVLIK TIVIA N SSEFGIVIDIV DAFKILIN FS
UniRef90_UPI0002625DF3 UniRef90_UPI000399BC39	CLNVGCIPTKMFVHAADVAAAGRFGVDETLDKVRWTDVRD CLNIGCIPSKALIHAADAYHHQQSGSALGLRVGDVSLDWG
UniRef90_UPI000399BC39 UniRef90_UPI000395872A	CVNVGCI PKKLYSYAAGYAEAFAEARGYWQMPEAII ALDWQ
UniRef90_UPI000464A771	CIVIN R G CILIP S K NIL LIE A A KILIVIE D A R N P R VILIE T C G S GILITILIN E A
UniRef90_F6EIZ4	CILINIVIGICII IPTKMFAYTADIVIAASII IDSASRFGII IDAEIVIH GIVID WQ
UniRef90_C1DB56 UniRef90 H2YTP0	CLNVGCI PSKALLQSSENLHAQHDFAAHGISVNGASMDVG GKTWGCI PKKLMHQASLLGKSIQDAKSYGWELSSDEVNNK
UniRef90_X2GKJ0	CYNVGCIPSKIMLEHSKLVQELQRGNDWGIETPALNVNFP
UniRef90_UPI00037BA833	CTHWGTII IPSKAII IRH NIVIRRMMEEN NSPII IEREIVISEPRHESEP
UniRef90_K9EJG0	CLHYGCIPTKALLHAGEWADETRNAGHVGVDAVLNGINMP CLNEGCVPTKGLVKVARTYELIKNSSKFGLKVNDFSFDWK
UniRef90_Q98RI8 UniRef90_UPI00034D2AB0	GTCINIGCIPSKTLVHEGLEHGSFDQAFS
UniRef90_F3X1A3	CALRGCDPKKMLRHGAAVIDDARRMRS NGVVGKD <mark>C</mark> IDWR
UniRef90_I7LAQ6 UniRef90_U3GWA3	GTCINIG CLPSKNLIINGEKGMPFSQ CINIGCVPTKKLLTQAHAHELVVEATGESNHADAL
UniRef90_UPI000376A98F	CLNVGCIPTKKLLTQAHAHELVVEATGESNHADAL K CLNVGCIPTKMYAYPASVARRAQEADRLGLHVSVEDVRWR
UniRef90_I4B0V1	FCHRGTII IPSKAII IRHSII IQRYII IFSMSNPII VIKSHIVINFASRDFP
UniRef90_F9DN44	CLHNGCI PSKAMLKSAEVYRLAREEDEFGVKTGEVSLDFPCLNYGCI PSKAMITATNVAHEARHAEE MGVHADPTI DMRCINIACI PTKTMVASASVANTVRNSAAYGVKANTPI VNLACLNWGCI PSKI I KNSADI FLKFLKAEQFGI NVQKI I PDMPCLNEGCI PTKTLLYSAKLWHLTEDAKKYGLEASADQFLMDCLNVGCI PTKAL I KAAKAFDI AINNKN DVFGI SYPGNVDWK
UniRef90_L9WNC0 UniRef90_K9VIC5	CLNYG <mark>C</mark> IPSKAMITATNVAHĒARHAEE MGVHADPTIDMR CINĪACIPTK <u>TMV</u> ASASVA <u>N</u> TVRNSAAYGVK <u>A</u> NT <u>P</u> IVNLA
UniRef90_K0NGC7	CLNWGCIPSKIIKNSADIFLKFLKAEQFGINVQKIIPDMP
UniRef90_C3JBB1	CLNEGCIPTKTLLYSAKLWHLTEDAKKYGLEASADQFLMD
UniRef90_UPI00046593DC UniRef90_W4P0N5	CLNVGCIPTKALLKAAKAFDIALNKNDVFGISYPGNVDWKCPAVACLPSKNEIWSSRIAYLARHAGDVGTITGEITIDMACLNEGCIPTKALLYSANMLDSIKEAKKYGINLEGELTDYK
UniRef90_R5G8W6	CLNEGCIPTKALLYSANMLDSIKEAKKYGINLEGELTDYK
UniRef90_A0A022GXQ6	CII N WGCII PTKAILIRSADIVI IRII VIRDAASEGIVIRAAAPTADII IP
UniRef90_K9TY69 UniRef90_X0R3Z5	CI IH N G CI IP S K AIL LIR S A FIVIY A T A K K A F Q Y GIVIFII IG FILITIL IN F T
UniRef90_X7F7Q6	CVNVGCVPSKTMIRAAEALHSAQSAHRFPGSGEAQVADWS
UniRef90_V5WIL6	C V N V G C V P S K T M I R A A E A L H S A Q S A H R F P G S G E A Q V A D W S C V N W G C T P T K T L I A S S R A A H M I S R G E E F G I S P G E R T T N F S C V N V G C V P K K V M F N T A L L A E Q M Q E A G H F G F Y T E T F G F D W K
UniRef90_K8YUL8 UniRef90_A1SJ24	C
UniRef90_C7Q974	CLINVIGCI PSKMFVHTADLIAEDARAANAFGVDLPAPAVRWL
UniRef90_K6WS19	CALD CODD KKI I DD CA EL I D CA DUMB CK CL NDD CUCKID WA
UniRef90_D5RPF7	CLNWGCIPTKALLRASEINHLLHSLDQYGFAADNVRYDFACVIRGCVPKKLMIYGSQMPKEIEEARGYWVDASVGPFDWPCLNRGCIPTKAYARVAEVYDIIKKADEFGLSVDVKSFDYKCALRGCDPKKIMLAATELRHFATNLEDRNISDIPEISWKACLNVGCIPSKAMLNNSHIYHQTLHDLKTVESMVSEHQNLPCLNVGCIPSKAMLNNSHIYHQTLHDLKTVESMVSEHQNLPCLNVGCIPSKTLLHIAKVIKEAKDLNQSGVFFSEPVIDLK
UniRef90_S5XMH2 UniRef90_I3VXV4	CLINRGCI PTKAYARVAEVIYDI I KKADFFGII SVIDVKSFDYK
UniRef90_E4TKQ2	CALRGCDPKKIMLAATELRHFATNLEDRNISDIPEISWKA
UniRef90_J3PQF3	CLNVGCIPSKAMLNNSHIVHQTLHDLKTVESMVSEHQNLP
UniRef90_G2LP78 UniRef90_A5MBV2	CLNVGCIPSKILLHIAKVIKEAKDLNQSGVFFSEPVIDLK CLNRGCIPTKTYLHNAEILENHAAANRGI <u>V</u> IENP <u>N</u> FTVDME
UniRef90_E4WG82	CLNVGCI PTKMFVYAAEVARTITASSKLGI DATIDDVRWS
UniRef90_W4LE03	CI Y R G CI P S K A I I H V S K I I T F A R H A F O W G I T F G F P K I D I D
UniRef90_H1XYS5 UniRef90_M0HFM6	VCYRGCIPSKALLHVAKLLNESQEAARWGIHFQKPQIDLD CLNRGCNPSKMLIQHATRLNQIRNAARFRLEASVESVDVP
UniRef90_UPI00029A018E	
UniRef90_W6K530	CLNYGCVPSKALLAAGHAADAMRRGERFGITAQEPAIDPK CVNVGCIPKKLMHQSSLIGEVLHHDSASFGWNVSPIFDWK
UniRef90_D0NX20	CVNVGCI PKKLMHQSSLIGEVLHHDSASFGWNVSPIFDWK CALRGCDPKKVLVGITEYMDGVERLK GSGINGDIHINWN
UniRef90_UPI00036FD593 UniRef90_UPI0004645479	CALRGCDPKKVLVGITEYMDGVERLK GSGINGDIHINWN CLNFGCIPTKSLLASANVLNTVLDANDFGINIDDISIDYN
UniRef90_F8Q6J6	F <u>F</u> SWS
UniRef90_UPI00047444D7	CTHWGTII PSKAII IROSIVISOII I IHFNTNPII IFSFAGRDKRII ITFP
UniRef90_G9NFM1 UniRef90_M0C777	CINEGCTPTKTLTASGRAAYLTRRGPQYGIYSSNNRVNME CITRGCVPSKALIHRADVLEELRSAEAVGIDAQATDVDYG
UniRef90_E1VX93	CLHTGCIPTKAYLHAAELAENAREGAKYGINSSLESLDLA

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UniRef90_F9ZTD7
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UniRef90_F7WC6 UniRef90_E7RWC6 UniRef90_E7S0X5 UniRef90_X8IUK6 UniRef90_U5QBX4 UniRef90_E3GJV1 UniRef90_B2W133 UniRef90_A0M102 UniRef90_S3K4E5 UniRef90_33R4E3 UniRef90_A0A017HAD2 UniRef90_D5E5K2 UniRef90_D0CUR4 UniRef90_G2I4W8 UniRef90_G214W8
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UniRef90_UPI00021A5830 UniRef90_A4BVQ5	130 140 150 160 A T D K N G K K M A D N V A V G G R P A F P D Q V P G A R E F G G G G G G G G G G G G G G G G G G
UniRef90_E6YBY1 UniRef90_A8PVX8 UniRef90_Q2NQZ3	L ELAGERV TAERFII AVGGRPAFPDQVPGAREFG ISS RSVRVNGELLEADEIFINVGGRAAVPELPGLADID FLTN QLLDGGNTQVEAKNIIIATGSE VTPFPGVEIDEKQIVSS HYGDNTTETLSAENIVIACGSRPYQPQDVD FDHPRIYDS VRIVDGEQRVTAERIFINTGALPFVPPIPGAKESTHVYTS VRIGDDL LEADKIVIATGARPVVLDIP GGNLPIDS LRLTTSGKHITAEKVLIATGGEPWMP PEIPGIEHAITS YTMRVGEESITAKMIFLCTGSKPAIPPVKGLEEVDY LTS VEVRFRAELLHGEDLYINTGAYSVIPPVKGLEEVDY LTS
UniRef90_U2M2E4 UniRef90_E4TV07 UniRef90_UPl0003B5DF55	HYGDNTTETLSAENI VI ACGSRPYQPQDVD FDHPRI YDS VRI VDGEQRVTAERI FI NTGALPFVPPI PGAKESTHVYTS VRI GDDL LEADKI VI ATGARPVVLDI PGGNLPI DS LRLTTSGKHI TAEKVLI ATGGEPWMP PEI PGI EHAITS
UniRef90_W9DQX1 UniRef90_G1UU01 UniRef90_F9ZTD7	LRLTTSGKHITAEKVLIATGGEPWMP PEIPGIEHAITS YTMRVGEESITAKMIFLCTGSKPAIPPVKGLEEVDY LTS VEVRFRAEILHGEDIYINTGAYSVIPPIEGLAESANIYTS VDIEGRDARTLTFAACVIAAGVPPIPGAKETLAAGAAVTS
UniRef90_F7YW30 UniRef90_UPl00034B1A0A UniRef90_E7RWC6	KAADKI FEARNI VI ATGSTPTI V PPFNEVPGI WTS NTI I VGGQTLKFKKAVI ASGARAVKPKI KGI EEV GYLTN DAGEOGERAL RAERUEL NTGSLPVVPKI RGVDGP RUHDS
UniRef90_R5S0X5 UniRef90_X8IUK6 UniRef90_U5QBX4	DAGEQGERALRAERIFINTGSLPVVPKIPGVDGP RIHDS VRVADADGSANDYTCDDILIATGSVPSRPPIPGLELAMTS VSYTDESKEVSSKFILIATGGSPFIPPISGAELEGVMDST TVEVQTDEGTRADEIFINTGTRPLIPPLPGLKEAGFLTSE
UniRef90_E3GJV1 UniRef90_B2W133	AKITOMEEII GWEKLVI ATGSNPAI PDLFR DIPGLLTN VENDGGVORI KAKHI I I ATGGRPMI PDI PGKEI CI NS
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UniRef90_D5E5K2 UniRef90_D0CUR4 UniRef90_G2I4W8	T QVQ A G D F V I T A R R V V I A T G S S P L V P P I P G L D Q V P F E T N S T D G K E T T V L T A P N V I V A T G A R A R V L P G L E P D G K L V WS Y
UniRef90_B6WSC3 UniRef90_D5B9L6 UniRef90_G1KRY9	TIIVDGKDTYTATNILIATGATTYIPNIEGLNEV GYLTNIKATNNKGFYTAEKFLIATGERPRYLDIPG DKEYCITS
UniRef90_E0VQ04 UniRef90_UPI00047100E8 UniRef90_K1YKK2	GRLTVDGDAFPAAKIVVVATGARPHVPAIPGIKTVDALDST IEVD GQVYRAKNLIIATGSRAKKLNMIEGFDEYVITSK TQVQAGDFVITARRVVIATGSSPLVPPIPGLDQVPFETN STDGKETTVLTAPNVIVATGARARVLPGLAFDGKLVWSY VEVTMADGGVEVVENDAATGSRVAELPGLAFDHSHLSSD TIIVDGKDTYTATNILIATGARTYLPRIEGLNEVGYLTN IKATNNKGFYTAEKFLIATGERPRYLDIPG DKEYCITS IEVTTKTKNIYGKNILIAVGGRPKYPDIPGAVE YGISS MNNGEENEMLILKNLVLATGSRPRTLPGLELDEQQILSSD IIVTRIADKVQGERIIIATGSHPRNPTDPFDHETILVDS NGVQINGESFTPNKLVIATGSHPRNPTDPFDHETILVDS TNKRGVETFYTADKFVLAMGERPRYLGVPG DKEYCITS ARDGTELERVEFDYAVLATGSRPVELPGFEYDHPSVLDA INVDPVEGGDKADNVIIATGSEPS PFPGITVDEERIVS DEAGHKEVTIRAKKILVAVGGRPSDPPPIPGLERIVS FEYENGESELIPNNNVLICTGSSPLPLPFLPFDGNTVLSS FEYENGESELIPNNNVLICTGSSPLPLPFLPFDGNTVLSS FEYENGESELIPNNNVLICTGSSPLPLPFLPFDGNTVLSS FEYENGESELIPNNNVLICTGSSPLPLPFLPFDGNTVLSS
UniRef90_B6EWW4 UniRef90_UPI0003C19667 UniRef90_D2S0S4	T N K R G V E T F Y T A D K F V L A M G E R P R Y L G V P G D K E Y C I T S A R D G T E L E R V E F D Y A V L A T G S R P V E L P G F E Y D H P S V L D A
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UniRef90_UPI00047444D7 UniRef90_G9NFM1 UniRef90_M0C777 UniRef90_E1VX93	L NL A AVGI QADGRGQLKVNENYQTEVDNI YAVGDVIGYPS L NL A A A GI DTTSRGHVVTDTQLRTTNPRVWALGDVKGGPA L ALEATGVETDETGAVETDEFLKTTADGI WALGDVIGAPP L GFEEQGLTIDR GFVITNERLHTGVGNI YAIGDI VPGVQ

	330 340 350 360
UniRef90_UPI00021A5830	ILIT PIVIA M S G KIL LI A K R LY S N S S E LM D Y K MIVIP T TIVIF T P LE Y
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JniRef90_Q98R18		LIK MVADA HSNEV LGVS MVG A GAPEV LHEAAMAMR FRAKL
JniRef90_Q98R18	UniRef90_F6EIZ4	FCKVLADRSTGQLIGAHIVGAHATTAIQPLIQGMVFGTTP
JniRef90_Q98R18		CYVITNI IDNERVVGI HYI GPNAGEVMOGEAVAMEFAASS
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JniRef90_Q98RI8		
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	UniRef90_I7LAQ6	LYKVIVDQKTKQILGATIYGLESHEVINLISLVMKLKAPY
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JniRef90_UP100046593DC JniRef90_W4P0N5 JniRef90_R5G8W6 JniRef90_R5G8W6 JniRef90_R5G8W6 L	UniRef90_C3JBB1	GVCKI LIGEDDTLLGAHMLGNPASELIVVIAVAIERGIKA
	UniRef90_UPI00046593DC	FVKLIVEPKYKTVLGAHLIGSTATEMISEITTLIE <mark>C</mark> EGTU
JniRef90	UniRef90_R5G8W6	LEKLLYDANDGRI LGGHMI GNPSSEFI VTLGMAMTENLTV
	UniRef90_A0A022GXQ6	L V K V I F D A G S G E L L G A H M V G D E V T E M I Q G Y A I A Q T L E T T E M M K I V V D R R S D R V I G A H M V G E N A A E I L D S L A V A L D C K C L A K
JAIRE190_X7F7Q6	UniRef90_X0R3Z5	FVKI I A D Q N N Q DL L GVH MI G P HVT DL I S E A AL A KVLD A A D
JniRef90_K8YUL8	UniRef90_X7F7Q6 UniRef90_V5WII 6	LIKIVADRATDRILLIGGIVI MAPEGADSIVIQTILVIMALKI IGMTT KIITILIVID PGDNSILIGATIVIFGIVIGGDEILIS MILIAIVIQAKI IPV
JAIRE190	UniRef90_K8YUL8	AMKL I CVGPEERV VGLHVIGMGADEMLQGFAVALKKGCTK
JniRef90	UniRef90_A1SJ24 UniRef90_C7Q974	VIKILI L KKKUGPIV VIGIVIH MIVIG DRIVIG EJLI I GEAQMILIY N WEGYP FAKIV LIADPOT GRILLIGAHI I IGPOASIVI I IOPILIOAMSI IGODA
JNIRE190	UniRef90_K6WS19	ATKLLIDRSDDTIVGAHLLGPEYAELVNILALAMKLRLTT
JniRef90_I3VXV4 JniRef90_E4TKQ2 JniRef90_G2LP78 MT K L I F N K N N N K I I G A H L I G P H A E E V I N L F A M A I K G G L T S JniRef90_B4TKQ2 JniRef90_B2LP78 MT K L I F N K N N N K I I G A H L I G P H A E E V I N L F A M A I K G G L T S JniRef90_B5MBV2 JniRef90_B4WG82 JniRef90_W4LE03 JniRef90_W4LE03 JniRef90_W4LE03 JniRef90_UP100029A018E JniRef90_W6K530 JniRef90_UP100029A018E JniRef90_UP100029A018E JniRef90_UP100036FD593 JniRef90_UP10004645479 JniRef90_UP10004645479 JniRef90_UP100047444D7 JniRef90_UP100047444D7 JniRef90_B0_W6K530 JniRef90_UP100047444D7 JniRef90_UP100047444D7 JniRef90_UP100047444D7 JniRef90_G9NFM1 JniRef90_B0_M0C777 GF V K A I A G P D G E I L G I H C F G T A A S E I V H I G Q A I M Q Q K G T V J I D B I R D K F V V G P H I G Q G S D E V L Q G F A V A V K M G A R K G I L G I H C F G T A A S E I V H I G Q A I M Q Q K G T V J I D B I R D K F V V G P H I G Q G S D E V L Q G F A V A V K M G A R K G I L G I H C F G T A A S E I V H I G Q A I M Q Q K G T V J I D B I R D K F V V G P H I L G Q G S D E V L Q G F A V A V K M G A R K G P D G E I L G I H C F G T A A S E I V H I G Q A I M Q Q K G T V J I D B I R D K F V V G P H I L G Q G S D E V L Q G F A V A V K M G A R K G P D G E I L G I H C F G T A A S E I V H I G Q A I M Q Q K G T V J I R I B I R D K F V V G P H I L G Q G S D E V L Q G F A V A V K M G A R K J I B I B I B I B I B I B I B I B I B I	UniRef90_D5RPF7 UniRef90_S5XMH2	FIVIK IIVIF DAKT GAIL LIGAH MIVIG PEIVIT E MII IQGYTII IARTILIETTE VIMKII I VIDIVIET DII VII G <mark>C</mark> HII IF GPDAGEMII OMIVIAIVIA MGMGATK
Jnikef90	UniRef90_I3VXV4	FAKLIS SEDGDVLGAWVVGSDASETVQTLSTSCQSGAKA
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NIII.COO MOOTTY OF MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN DE MAN	UniRef90_G9NFM1	MMKAVIDAESQQILGFTCLGLEGGEIMSQVQMAMIGKVKW
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UniRef90_S0G846	SVWAI GECAGSPQ
UniRef90_F8JH33	BIFALGDVTGGSM VYAAGDV <mark>C</mark> LKFR
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UniRef90_Q2SKE2	NIFAAGDVIGPPS IVAIGDV <u>V</u> GEPM
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	RIVIE A A (5 I) (. I (5 K P R
UniRef90_F8E7J1	SVWAVGDI TVGPA
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Q L E Q G K V E F S K K G V R V N D Y M Q S V S N P L G L E N T A V K L N D Q G Y V A V D E L F Q T A E P S UniRef90_A0A052HWH4	SII FALGDVI GRVP
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UniRef90_A5F511 LALDNTDVALDERGVPKADHYTQTSVPS	FIAGDAS NOLP
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UniRef90_UPI0003764779 LGLEAAGVELNAKGAVQTDEYFQTRUPS	SIFAVGDVIGGVĀ
UniRef90_R4VNF7	HII Y A <mark>C</mark> G D <mark>C</mark> V G P F P
	III FAI GDI CGDPM
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UniRef90_A6CBM6	FIVIYAMGDIVIHGGPO
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	330 340 350 360
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UniRef90_M5TSW1 UniRef90_K7FFM5	LTPCANEEAR VVKNLLKPGSESHADYGAIPKVAFTTPAL ELTPVALQAGKLLARRLYAEATLKCDYVNVPTTVFTPLEY
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UniRef90_UPI00037ADC33	3 L A H R A M A Q G E M V A E
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UniRef90_W3Y1Z4	FT YVSCDDFRI VFS ALTGTGQYTCK DRKNVPHTTFCTPPL
UniRef90_J9YNU2	FTYII ISIL IDDSRII VL INYIL INGDKDYSIL IKNRGAIVIPTSTFTNPPIL I
UniRef90_T0J2Q6 UniRef90_Q8R9D9	FTHTAYNDFEIVAANLLDGADRRLGQRIPG YALYTDPPL LAHVASYQGLVAAHNLAGEEKEADLTAV PN <mark>C</mark> LYT <u>N</u> PEV
UniRef90_K3X332	IL IA S T S M E Q G R IL IA A <mark>C H M W D Q E E Q S Q IL IE N G N Y P Y G II IY T II IP E II I</mark>
UniRef90_W8VWA0	II IT PILIS GILIF A NILIA A K NILIT F G K H A FILIPIVIDILI P SIVIA F TILIP OIVI
UniRef90_B8KKG2 UniRef90 UPI000478E40B	FTHTASHQAWYATVNALGHLKRFRVDYSVIPWATFTHPEV BLAHAAEAMAVVAAETIAGAD TMALDYDMLPRATY <mark>C</mark> QPQV
UniRef90_UPI0003C4BEA	
UniRef90_D8THZ5	LIT PVALLME GMA FAKSAF GGELLTKPDY RNVASAVF CQPPL
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UniRef90_B2A2T0	L A H V A H H Q G V L A A E N A M G E E R T Y D D K A V P N C V F T V T E V
UniRef90_A0M0F6	L T PVAVLEGHTVASNI LK GNKKELNYPPMPTLVFTLPTL
UniRef90_UPI0003B3FA7F UniRef90_H6PD14	FTYVSLDDYRI VFNKLTGQSDYNASQRNNI PTTLFI NPAL
UniRef90_A8M2T3	ILIA SIVIA A M Q G RII IA M W H A ILIG E A IVIR PILIRILIR TIVIA A NIVIF T D P E ILI
UniRef90_G4I9V9 UniRef90_K5Z236	L K H V A N H E A R V V R H N W D D T E M L M P S D H R F V P S A V F T D P Q I L A H K A S H E A I V C V E K I A G L N P H P F E T G N I P G C T Y A H P Q V
UniRef90_H5SG39	YIVIYIA A Y A G GILIA A F N A ILIT G A G R ILIY D ILL S A ILIP HIV LIFT D P O IVI
UniRef90_A0A017TEL6	LASAAYDQGR <u>FA</u> G T <u>F V </u> EGRL EHKL <u>V ED</u> PTG Y <u>T</u> SPE
UniRef90_Q03GQ4 UniRef90_R7WAE9	FTFLSLDDYRIVYNQLYASGTKTTEEQVIVPKTIFLMPPL LAHKA <u>E</u> EDG <u>VA</u> CVE FLAGKEGHVDYDLVPGVVYTHPEV
UniRef90_A0A024IBM6	ILIAHKAIVIHEGHIVIAAEQGKADILIAAAAENARIVI IPSIVIAYTDPEIVI
UniRef90_UPI00037C4CB4	4 L K
UniRef90_A5GMK5 UniRef90_F8JH33	LAHTAAAQGTVAIDNIL GHSREIDYRSI PAATFTHPEI FTHVSVDDFRLVRENMA GGTRKTSDRLVPHVMFTDPPL
UniRef90_S0G846	L SHTASSMA V FAAENAMGQDN <mark>C</mark> YPFH LI PR <mark>C</mark> L WTQPEM
UniRef90_UPI00036A29B3	B F <u>TNT</u> AEASAR I <u>VV </u> HNA LL FG RQR L S <u>A</u> L T V PW <mark>C</mark> THTDPQ V
UniRef90_D1CGW8 UniRef90_R4Z5A8	FVYVAAYEGGLAAGNALT GARTYRDLSALPSVIFTQPQI LKHLANREADIVGHNLSHPDDLHRIDESAVPHVVFSHPEV
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UniRef90_Q1IMV9	<u>L A H K A S H E G L V A V E S I </u>
UniRef90_Q38KF2 UniRef90_UPI00036AE5A4	FVYVAAYQGALAAENALS GNRRRADLSVVPAVTFTHPSV 4 GMMEAERAVEALARQLSGKPLPTFPKNSVIPVCTYTEPQA
UniRef90_J9Z7M8	II IA H A A S H Q A IV I IA IV ID R M A G K N P S P F D P S H IV IP R IV V IY S H P F IV
UniRef90_M5RX66 UniRef90_F8E7J1	L T P T A N E E A R V A V K N L F A S Q S M E Q P N Y D V I P R V A F T V P S I L A T V A A M E G R I A A E N L I H G N K R K P Q Y E N I P S V V F T L P T L
UniRef90_F6E731	IL IA Y R A Y E Q G II V I IA E S II IA G IL IN P P P IV ID D D A IV IP Q II V IF S T P E IV I
UniRef90_I1WBW3	H T Y I S L D D Y R I V WS Q I A P D P E Y N R A Q R R N V P S <mark>C</mark> V F L H V P Y
UniRef90_W1LEG2 UniRef90_D8LUQ5	FTHASLDDYRLVKSAMS GGDRTTKDRTIPY <mark>C</mark> VFLDPEF LTPVALQAGR <u>R</u> LADRLEGG <mark>C</mark> PDSLMDYQNVPSVVFSHPAL
UniRef90_L9XUV1	VKHAADVEAKIVVITANIVI IDDAGPTIVID VEAMPHAII IETDPPIVI
UniRef90_B8KRS2	LAHKGSEEGVMVAERIA GKHAQLNYE <mark>C</mark> IPSILYTHPEV
UniRef90_D7BNG9 UniRef90_UPI0003B2ED7E	LAHRGFLHGLFVAEELAGM NPKVVDENLIPKVTF <mark>C</mark> DPEI FTHTAAHESWYASVNAFGRFKKFRVDYSTIPWATFTDPEV
UniRef90_Q2C526	LT HAAAHQAWYASVNSFGTFKKFKADYSVLPAVTYTAPEL
UniRef90_I6HEJ6 UniRef90_UPI0002F210C5	LAHKGSEEGVMVAERIA GKHAQLNYECIPSIIYTHPEV LAHRGFLHGLFVAEEIAGM NPKVVDENLIPKVTFCDPEI EFTHTAAHESWYASVNAFGRFKKFRVDYSTIPWATFTDPEV LTHAAAHQAWYASVNSFGTFKKFKADYSVLPAVTYTAPEL FTYISLDDFRIVRDGLLGEGLRNTGDRQNVPYSVFMTPPL FTHASGYEGGNV ALEISSLGVPTKANYAALPWVTYTDPEL
UniRef90_P13110	LII PIVIAII IN EGASIV VID I II IEGS K P K K I D <mark>n</mark> I KIVI. A S AIVIE SII IP PII I
UniRef90_I7LK77	I IA HIVIA S H O GIL VIA IVID N IL LIGK E K E M D Y A NIVIP S A IL IE T E P E IL I
UniRef90_S6G1A5 UniRef90_F5L5Q3	ILIT PIVIA S Y E A RILIAII LIN A F K G N K T KIVID Y A II I IP H T IVIF T M P Q IVI
UniRef90_H5XPN4	II IK HIVIA N H E A RIV VIQ H NII I IH P D D PIVIT A D H R FIVIP H AIVIF T S P QII I
UniRef90_UPI00037C3E28 UniRef90_A0A052HWH4	B L PLTPASLESQVATHNLLNGNTRKPDYREMPSIAFTIPKL LTPVALAEGMAI ARRLFRPEEYRPVDYDLIPTAVFSLPNI
UniRef90_Z5XB29	IL IK HIVIA N H E A RIV VIR H N WD D T D AIL IM Y S D H R F IVIP S AIVIF T D P QII I
UniRef90_R6MRX2	LAHTAYREAEVAVN DMLGKKDRVDYSIIPSVIYTTPEV
UniRef90_A0A023X4J9 UniRef90_UPI0003B5364E	FTHTAYDDFRVLASAMTSDGSHTT DRVVPYAVYTDPEL LKHVANAEMRAVRHNLLNPQNMKKMPHDHVPAAVFTHPQI
UniRef90_A5F511	
UniRef90_U1TFW3	FTY I SLDDFRI VY DQLLGKGTRTTEDRVNI PY SVFMTPV L FVY V A A A A G S R A G I N M T G G D A Q L D L S T M P A V I F T D P Q V L T P L A I R Q G A A F A R T V F E G V R T K V E L S A L P T A V F S Q P E I FT H M A E Y Q A G I I I S N A I F R L P R K V D Y R A V P W V T Y T D P E L E L T P V A I Q A G R L L A Q R L Y G G S N V K C D Y D N V P T T V F T P L E Y
UniRef90_K6YMU3 UniRef90_UPI0003764779	LTPLAIRQG AAFARTVFEGVRTKVELSALPTAVFSQPEI
UniRef90_R4VNF7	FTHMAEYQAGLIISNAIFR LPRKVDYRAVPWVTYTDPEL
UniRef90_Q9JMH6	EILT PIVIAIL QAGRIL LIA QRILIY GGSNVIK CDYDNVIPTTIVFT PLLEY
UniRef90_F1W339 UniRef90_U2GJL3	ELIPVALQAGRELAQREYGGSNVKCDYDNVPTTVFTPLEY LAHKATNEAKVAAEVIAGHKVQFDAMTI PSVAYTDPEI FTYTSLDDFRIVYSQLFGDKKRNTKNRSIHANVLFTDTPL FTHAADFAARIVIQNALFFGRKKLSA LNMPWVTYTDPEY ELTPTAIMAGRLLAQRLCGQSSDLMDYDNVPTTVFTPLEY
UniRef90_B9XJU8	FTHAADFAARLVIQNALFFGRKKLSA LNMPWVTYTDPEV
UniRef90_UPI0003C87500	FTYVSLDDFRIVKDQLWGDKSRKVSDRNLLPYTVFTPLEY FTYVSLDDFRIVKDQLWGDKSRKVSDRNLLPYTVFLQTPL
UniRef90_W1Q6I8 UniRef90_R6W5B7	LIAHAAEMQGKRAIVNAI VIGCGDDIRF DIVMPAAIVIFTIIPEA
UniRef90_UPI00037CE081	
UniRef90_D3HZ84 UniRef90_UPI00030F9F49	
UniRef90_E4PQW2	LAHVAMHEGKV AALHASGNMTSVNERVVPRCI YTNPEI LHEAADEGRIAGDNAGSYPDVRTGLRRTPLAVVFTDPQI PKLTPVAGFEARYLVGELTHPGAALKYPVVPTQVFAAPKL
UniRef90_M4KL72	PKLT PVA G F E A R Y L V G E L T H P G A A L K Y PV V P T Q V F A A P K L
UniRef90_A6CBM6 UniRef90_UPI000315C1AE	FIHLADEQARII VIIGNALIE KORSKSSQLQIIPWOIYIDPEII
UniRef90_G0UF02	FTYLSLDDSRVVMSALIGDGSRRVSSRVAVPTTTFLIPPL FTYLSLDDWRLMANHLYGDKTRSRLNRPVFANTLFLNPAI

	270 200 200 400
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UniRef90_S3XAR6	S O V G L T F A O A R F A G H O V L V A C P V A K L A A M P R P K L L G F T H G
UniRef90_M5TSW1 UniRef90_K7FFM5	A A V G L S E K E A T R S S D V D V R A D D T S S W G S V R K T G D T V A G A C G F S E E T A L E K F G E E N L E V Y H S Y F W P L E W T V P S R D N N K
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UniRef90_H9UBP8	A S T G L R
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UniRef90_S7U5M4 UniRef90_UPI00037ADC33	AY <mark>C</mark> GLTETAARQE KRTVEVRRFPWKYSGRAVTLGTPEG VTAGFSPDEARAQGFELRVGQFPFNANGRAMTTLSEDG
UniRef90_G8XZE4	G S G L S Q A E A E K K Y G K D E I K V Y K S T F N A M Y Y A M M D S D D P T
UniRef90_UPI0003625116 UniRef90_K9B4A5	ASVGLTEEEARAQNKNYKVKF GDASSWFNAYRSQAEAY AAVGMTEDEA_ RAAGHDVTVKVQNYSDVAYGWAMADDPG
UniRef90_W3Y1Z4	A A V G M T E D E A
UniRef90_J9YNU2	A TIVIGII ID F K T A K F K G Y QIVIK S N S II I V IS A M P R A HIVIN N D II IR G
UniRef90_T0J2Q6 UniRef90_Q8R9D9	GRAGMTETEARAKGHDVLVS SRPMSRVGRAVEKGETLG AWVGLNESQAREKYGE VKIGTFPYTALGRAMTMGESDG
UniRef90 K3X332	S MV G K T E Q Q L T K E G V N F E L G I A K Y S E L A K G Q M S G S T A G G
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UniRef90_F7FFQ2 UniRef90_K9D0Z2	A SVGLISE E E A R S K G F K F S L K S E Q A S T WY T A R R V A E S V Y
UniRef90_B2A2T0	A S V IG E N E A S L K E Q E L P Y K V IG R F P F G A N G K A L A E G K I D G
UniRef90_A0M0F6 UniRef90_UPI0003B3FA7F	A S V G L K E N E A E E K G Y A L K V N H Q D A S E W F N A K R L N L D Q Y A T V G L S E E A L A R G L F H R T A T Q R Y G D T A Y G W A M E D T T G
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UniRef90_H5SG39	A SIVIGILIT EIVIO A R E K GILIK VIKT SIVI I <mark>H</mark> ILIK DIVI P R A ILIA A R D T R G
UniRef90_A0A017TEL6 UniRef90_Q03GQ4	SSLGRTERELTA AGVPYEVGQAQFKSLARAQITGRTVG SQIGMSEREALDK KIEYRTGKVAVAGMPKAHLLGHPNG ASVGKTEEQV KASGIAYRVGKFPLMANSRAKALDDAEG
UniRef90_R7WAE9	A SVGKTEEQV KASGI AYRVGKFPLMANSRAKALDDAEG
UniRef90_A0A024IBM6 UniRef90_UPI00037C4CB4	A WIVIGILIT E D Q A K A Q GII IKIVIK K GILIF P W T A S G R A II IA N G R D E G
UniRef90_A5GMK5	S S V G L S E A D A K Q L A A D Q G F E V V R S Y F K A N S K A L A E L D S D G
UniRef90_F8JH33	A R V G M D E G E A Q R Q G V P V R V A R L P M S H V L R T N A T D E V E G
UniRef90_S0G846 UniRef90_UPI00036A29B3	GSVGLSEDEAEEKG YDVETGAFPYA <u>VNGL</u> AMVRNQVDG AHVGLYVKEARER NIPVKTFTVP <u>M</u> HDVDRA <u>IT</u> DGAE <u>D</u> G
UniRef90_D1CGW8	A SIVIG M T E A E A R A K GIL IE VIR T S T IL IPIL ID AIVIP R A RIVIN G D GIL IG
UniRef90_R4Z5A8 UniRef90_Q2SKE2	A Q V G L S E E S L Q A L G R P Y L V G R R D F G S T A Y G WA M E D S V G S S V G M T E Q E A R K A H G Q I L V G R A P F S E L A R G H I S G N Q D G
UniRef90_Q1IMV9	A WA GIL IT E T Q A Q N E G R E IV IT IV IT K F P WA A S G R A IV IT II ID R T E G
UniRef90_Q38KF2 UniRef90_UPI00036AE5A4	ATVGMTEEQA KRAGYEVLTSVLPLDAVPRALANRETNG LSVGLTEQEAKEKGLDVKLARFPWRASGAAMASGATEG
UniRef90_J9Z7M8	VSVGISGQEARRKG LSVRQGEYPLLGNGRSLIHGEKRG ASVGMSEADARQ <mark>C</mark> H <u>EVDVHH</u> EDTSTWGSVRKSGQ <mark>RC</mark> A
UniRef90_M5RX66 UniRef90_F8E7J1	A S V G M S E A D A R Q <mark>C H E V D V H H</mark> E D T S T W G S V R K S G Q R <mark>C</mark> A A S V G M Q <u>E</u> E D A A K A G <u>L K </u> Y N <u>S</u> R F Q <u>E</u> T <u>S</u> D W F T S <u>Y</u> R <u>V</u> G E K Y S
UniRef90_M4RET4	A S V G M Q E E D A A K A G L K Y N S R F Q E T
UniRef90_I1WBW3	A R V G L N E R D A A E Q G I A V Q V
UniRef90_W1LEG2 UniRef90_D8LUQ5	A RI GKNET DMAKDGADYRVAN LPVDVIPRARTLSLRKG GTVGLTEPKAREIYGED VKTYQTTFVNSLYALSDEKHKT
UniRef90_L9XUV1	
UniRef90_B8KRS2 UniRef90_D7BNG9	A SIVIGIT OPK A F F K Y G K F NIVIDIVIA F F NIVIA GN G K S O MILIGT T G F
UniRef90_UPI0003B2ED7E	ARAGLNETQAQEQNEEYEVV KYPIDDEDRAFADSRDQG
UniRef90_Q2C526 UniRef90_I6HEJ6	A RIVIGILIN E K E A LIS Q NII ID Y R T Y T Y P II S D L ID R A LIAD N A A E G
UniRef90_UPI0002F210C5	AQVGMTEDEA RKAHGDKI TVWREDFDHNDRAV TEREV
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UniRef90_F5L5Q3	A T V G L T E D Q A R A K G D D V V S Y K T P F K H N G T A L L L G E T D G
UniRef90_H5XPN4 UniRef90_UPI00037C3E28	GAI GI SEEEARKLIG DHVTVNTFDTSTWYTYKRTNEPTA
UniRef90_A0A052HWH4	GTVGLTTEEALKRG HRVKRFESRFRPMKLTLTDSQERT
UniRef90_Z5XB29 UniRef90_R6MRX2	A CV G E I E N E A R A A G Y K II N V K V Q D Y S D V A Y G W A M E D G T G A S V G E T E Q S A T E K G T D II O V V K A P M A T S G R Y T A E N P K G T G
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UniRef90_U1TFW3	S RI GLT E A Q A R A Q G R D L Q V V TL P V A A L P R A R V V D D T R G
UniRef90_K6YMU3	ATVGLITERQA QTNGHEVITRVLDMENVPRALANFELDĞ
UniRef90_UPI0003764779 UniRef90_R4VNF7	A HVG MT G A E A E R A GITE HELLIA VIF PVIA DIVID RALI IA F G CT
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UniRef90_B9XJU8	AHVGLYEREARERGMEVDTYLRRFDE VDRAICDGEETG
UniRef90_UPI0003C87500	GCVGLSEEEAVARHGEDSVEVYHAYYKPLEFTVPERDASQ
UniRef90_W1Q6I8 UniRef90_R6W5B7	A A V G L T E T Q A R E T Y G D V K I G E C S F S A N G K A L I K H Q H G G A T V G L T E D Q A R A K G A S V G L T E D Q A R A K G A S V G L T E R D A A A R G I R Y V T A T Q E Y A G I A Y G WA ME D T T G G A I G I S E E E A R K L G D H V T V N T F D T S T WY T Y K R T N E P T A G T V G L T T E E A L K R G H R V K R F E S R F R P M K L T L T D S Q E R T A C V G L T E N E A R A A G Y K I N V K V Q D Y S D V A Y G W A M E D G T G A S V G E T E Q S A L E K G L D I Q V V K A P M A L S G R Y L A E N P K G T G G R A G M T E R E A R E A G R E V L V L Q K G R A G M T E R E A R E A G H E V T V K V Q K S F E N Q G R S R V W M M E D Q S G A M V G E T Y K Q L T Q R L G N C C F A V G E V S F E N Q G R S R V W D D T R G S R I G L T E A Q A R A Q G R D I Q V V A T L P V A A I P R A R V V D D T R G A T V G L T E E Q A Q T N G H E V I T R V L D M E N V P R A L A N F E L D G G T V G L T E A Q A R A Q G R D I Q V V A T L P V A A I P R A R V V D D T R G A T V G M T E D A C R A C G E T E L Y A K A Q N I P F E K V N F P W A A S G R A L A V G R D E G A R V G M S A K E A S K I G L N F K E L K L S M A T V P G A K V L N H D V G A H V G L Y E R E A R E R G M E V L V F R F D E V D T Y L R R F D E V D T Y K P K A K V I G N D R G A R V G M S A K E A S K I G L N F K E L K L S M A T V P C R A K V L N H D V G S H V G L T E A Q A V E A G H E V L V A S V G K T E D A L K E E G D S V E V Y H A Y Y K P L E F T V P E R D A S Q S H V G L T E A Q A V E A G H E V L V A S V G K T E D A L K E E G E Y R S K H Y Y R A N G K A V A M N E T E G
Ullikelan_OFI00037CE001	SPINGLIEF CAKEKS <u>EGFEIN</u> ASAKITEKA <u>N</u> SKA <u>LAE</u> KEIDG
UniRef90_D3HZ84 UniRef90_UPI00030F9F49	SHIGLTETQAREKGLNIVAK KMPAMALPKAKVLGQTDG ASVGLTEKQARTVYQSVLV GE <mark>C</mark> PFSMNGKSLILNNRNG
UniRef90_E4PQW2	A S V G L T E K Q A R T V Y Q S V L V G E C P F S M N G K S L I L N N R N G A T V G L T I H Q V D E R C R G C F A V G E V S F E D Q G R S R V I G K N R G A Q V G I S A A V A T E H P D E Y R V N T L D M T K W F T Y Y R F G A Q Q A A H V G L Y P H E A A A K N I R I Q T F I Q E L K D V D R A I L D A E T N G S A V G V T E D G A H E A G R S V K T A T M V A D L K A M P R P K A V Q D P R G
UniRef90_M4KL72 UniRef90_A6CBM6	A QIVIGII IS A A IVIA T E H PDEYRIVIN TILID M T K W F T Y Y R F G A Q Q A NITRITO T FILID FILID FILID A F T N G
UniRef90_UPI000315C1AE	SAVGVTEDGAHEAGRSVKTATMVADLKAMPRPKAVQDPRG
UniRef90_G0UF02	S S V G K T E A Q L N E A G L D Y K V L KMPAA S V P K T Q V L G N P R G

	410 420 430 440
UniRef90_UPI0003F78D52	FIKILIN VSPSGDII LIGATI VIGAHATELI INSIISII IAAFMNAST
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UniRef90_K7FFM5	CYLI CNI QDNERVI GFHVL GPNA GDVT QGFSA AIK CGLTK
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UniRef90_S7U5M4	MTKMI VDPESQRI LGVGLVGRNTEGLISEGVLAVEMGAVV
UniRef90_UPI00037ADC33 UniRef90_G8XZE4	F V R V A R A D T N L G I Q A V G A G V S E L S S T F A L A I E M G A R L S Y K I V G D S S A E L D G F G V A L K M G A T K T T T T T T T T
UniRef90_UPI0003625116	AYKVLISKEDGTILGAHLIGPSADETINLFALALKAKIPA
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UniRef90_J9YNU2	MTKMI VDPESQRI L GVGL VGA HAIEIL QVIQSIMQAEGIV MTKMI VDPESQRI L GVGL VGRNTEGLI SEGVLAVEMGAVV FVRVVARADTNLI L GI QAVGA GVSEL SSTFALAI EMGARL SYKI VCTGKDEKVVGLHI VGDSSAEL L QGFGVAI KMGATK AYKVLI SKEDGTI L GAHLI GPSADETI NLFALAI KAKIPA I VKI I ADRDTRLI L GAQL VGHEASMI I QPVI QAMAFDQPA VFKI VVNAENDLI L GATMYSQSSEELI NLI KMAMDNAI PY I FKVVVDTETNLI L GARLFGAESHELI NLI TMAMDNKI PY L MKVVADRATRHI L GAAI L GTSGDEAI H GIL DAMSAGEPV FVKI I AEGKYGRVVGMEII GAGATEI I H EGVLAI K EEFTL
UniRef90_T0J2Q6 UniRef90_Q8R9D9	L M K V V A D R A T R H I L G A A I L G T S G D E A I H G I L D A M S A G E P V E V K I L A E G K Y G R V V G M E I L G A G A T E I L H E G V L A I K E E E T I L
UniRef90_K3X332	
UniRef90_W8VWA0 UniRef90_B8KKG2	A Y K V I V D E E T R M V L G A H I I I S H E A G E T I N I F S V A M N H D I T F F V K V L T V P G R D R I L G A T I V S A H A G D L L P E F V L A M K H G L G L
UniRef90_UPI000478E40B	
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UniRef90_F7PFQ2	GFVKVLATPDGEILGCHMLGEEVSTMIHEVLVAMRAGAGV
UniRef90_K9D0Z2 UniRef90_B2A2T0	AKII ONKUDNNRVI GFHLLGPNAGEVTQGFAAAMKCGLTKLMKLVVHAESDKVLGCHMVGPDAPELMQGLAVALKCGATKGFVKVLATPDGEI LGCHMVGPDAPELMQGLAVALKCGATKGFVKVLATPDGEI LGCHMLGEEVSTMI HEVLVAMRAGAGVGFKVMVEEGSKLI LGAHLVGPHVDEVI NVFGLAMRHGLTAQVKLLSHQETDQVLGVHI MGPHASDLI QEGTVAVKEGLKT
UniRef90_A0M0F6	VFKTI IDKEKQTL LGAHLIGPQSEEI INTFALAIKTELPI
UniRef90_UPI0003B3FA7F UniRef90_H6PD14	I A K L I A D P G T G L L L G A H I I L G Y Q A S N L I Q P L I Q A M S F G Q R V
UniRef90_A8M2T3	FVKLFCRPASGQVIGGVVVAPKASELILPITMAVENHLTV
UniRef90_G4I9V9 UniRef90_K5Z236	FVKLFCRPASGQVIGGVVVAPKASELILPITMAVENHLTVIAKIVIEADTGKILGAHIMGHQASSLIQPLIQAMSFGLAGLVKTIFDAKTGELLGAHMVGPEVTEMIQGYVIARQLESTE
UniRef90_H5SG39	
UniRef90_A0A017TEL6 UniRef90_Q03GQ4	MLKI LEHRETÜELLĞÜH <mark>C</mark> FGDGAAEI I HIĞQAIMSQKĞTL FYKVLJDKE DHILGATIYAPEAHEI I N <u>IJSLAM</u> HANDPY
UniRef90_R7WAE9	MIVIKIV VIA DKETDKII LIGIVI <mark>H</mark> II IMAQNAGEII IIHEAIVLIAILIQYGASS
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UniRef90_A5GMK5	LMKL LENKASGEVLGAHLYGLHAAADLIQEVANAVARRQSV
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UniRef90_UPI00036A29B3	
UniRef90_D1CGW8 UniRef90_R4Z5A8	L
UniRef90_Q2SKE2	MLKLVCDAEGRRLLGVQI VGEEATELI HIGQMALLSKSDV
UniRef90_Q1IMV9 UniRef90_Q38KF2	LFKLVAEASSDRLLGAQVVAENAGDVIYAAVLATRFGLRVFAKVLVDPETRLILGAQVVAENAGDVIYAAVLATRFGLRVFAKVLVDPETRLILGAHILGHEASLLIQPLAQAMALGNTAMLKLVCDAEGRRLLGVQIVGEEATELIHIGQMALLSKSDVLTKLIIDPQTERVLGVGICGPGAGEMIAEGVVAIEMGALAVFKLVADATSRKLLGAHVVAENAGDVIYAALLAVKFGLTI
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UniRef90_J9Z7M8 UniRef90_M5RX66	LVRVFGDPETGRVLGLAGVBGBELISLGTLAMQTPQGL GYKILIDKKTDLILGAHLLGPSSEDVINLFTAMAMKFGLTA GYKILTDENNTKILGAHLLGPSSEDVINLFTFAINRGITP MSVVSSDPDTEVILGVHMMSPVASDLIAEAEQLVGNHVPL LLKALTDPATGQLLGVTLLCPEAYEMINTAKVAMDFHADA FMKAIVACOKSTIKVLGVMLLGPNVDFMIOGEAVAVAVKMGATK
UniRef90_F8E7J1	GYKI ITDENNTKI LGAHLLGPSSEDVI NLFTFAINRGI TP
UniRef90_M4RET4 UniRef90_I1WBW3	MSVVSSDPDTEVTLGVHMMSPVASDLTAEAEQLVGNHVPL
UniRef90_W1LEG2	FMKAI VARDSDII LGFSMLGVNAGEVMSVVQMAMQGGLPF
UniRef90_D8LUQ5 UniRef90_L9XUV1	O WINTER OF CHILD OF THE LOCK IN CHILD COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND COMPAND
UniRef90_B8KRS2	GFVKAIAGPDGEILG <mark>C</mark> HIVGPQAATLLHEVVVAMDGGGTV IVKIIADEETDRILGAHVVGPSAADLVQQMVIAMEFGSSA VKLV REKNGPIVGFHAIGARMGEQVGEGELMVAWEAFP
UniRef90_D7BNG9 UniRef90_UPI0003B2ED7E	VKLV REKNGPI VGFHAI GARMGEQVGEGEL MVA WEAFPFVKVLTPPGKDRI LGVTI VGHHASDI I AEFVLAMKQKI GL
UniRef90_Q2C526	EVKVLTPPNSDKI LGVTI VGHHGGELLAEFTLAMRYKLGL
UniRef90_I6HEJ6 UniRef90_UPI0002F210C5	TGFVKLIKKGSKVIGGTVVGRGAGDLILPIAMMIAGKSST
UniRef90_P13110	VAKI I T D H G D G T V V G V H L L G D S S P E I I Q A V G C M K L N A K L
UniRef90_I7LK77 UniRef90_S6G1A5	FILKLIEDIHNKKIIGATIIGIHATDLIANITLALKKNL <mark>C</mark> P K <u>M</u> KII <u>A</u> EPEFGEIVGVS <u>M</u> IG <u>P</u> DVTELIGQ <u>AVM</u> MMN <u>G</u> EMT <u>A</u>
UniRef90_F5L5Q3 UniRef90_H5XPN4	FIKLVIERGSGKI LGGHIVGIEAGELIHEIAIAMRVNMNI FAKLLADPDTGQLLGAHIIGAQAPTLLQPLVQAMSFGLDA
UniRef90_UPI00037C3E28	GFVKAIAGPDGEILGCHIVGPQAATLLHEVVVAMDGGGTVVIVAKIAGETDGSAADLVVQQMVIAMEFGSSAVVKLVREKNGSPVGFBAADLVVQQMVIAMEFGSSAVVKLVREKNGSGTVVGFHAIGARMGEQVGEGELMVAWEAFPFVKVLTPPGKDRILGVTIVGHHASDIIAEFVLAMKQKIGLFVKVLTPPNSDKILGVTIVGHHASDIIAEFVLAMKQKIGLFVKVLTPPNSDKILGVTIVGHHGGELLAEFTLAMRYKLGLVLKAVVDTDTQQILGVSLLCVDSHEMINIIKTVMDAGLPYTGFVKLIKKGSKVIGGTVVGRGAGDLILPIAMMIAGKSSTVAGFVKLITDHGOGTVVGVHLLGDSSPEIIQAVGICMKLNAKIFIKKLIEDIHNKKIIGGTTVVGGTAATLIGGAADLIANITLAIKKNLCPKMKIIAEPEFGEIVGVSMIGPDVTELIGQAVMMMNGEMTAFIKLVLERGSGKILGGHIVGLEAGELIHEIALAMRVNMNIFAKLLADPTTRKILGGHIVGLEAGELIHEIALAMRVNMNIFAKLLADPTTRKILGGHIVGLEAGELIHEIALAMRVNMNIFAKLLADPTTRKILGGHIVGPEAGEIIVGGKAATK
UniRef90_A0A052HWH4 UniRef90_Z5XB29	LIMKIL V VIDADT DRIV LIG <mark>CH MVIGPEAGEII I QGLAVALIKAGATK</mark>
UniRef90_R6MRX2	FCKLLŸDRKNRCVVGVHLIGSYASELIYGAAMMVHSKLPV
UniRef90_A0A023X4J9 UniRef90_UPI0003B5364E	FILKVIADARTEEILLG <mark>C</mark> AVLASEGAELVHUYIDLMNAGAPT
UniRef90_A5F511	LIHVYGEQGTGRFLGAEMMGPNAEHLAHLLAWAHQNQMTL
UniRef90_U1TFW3 UniRef90_K6YMU3	MILIKAIV VIDNGS QQILLIGIVALLIA ADSHEVI NILVIKTIVIMDA GLIPY
UniRef90_UPI0003764779	LMKL VVSKSDQKVLGAHL CGHGAAEMIQTLAVAVGMGARK
UniRef90_R4VNF7 UniRef90_Q9JMH6	VIG EJL KILIKILIA K G KILI I G A SIL LIA P H A G E ILI H E LIA LIA VIT E RILIPLI CYLI I CNILIK D D E RIV VIG F HIV I IG P N A G F IVIT O G F A A A ILIK CIGILIT K
UniRef90_F1W339	STKL LWDPATKRLIGAGLVGVNAGELLAELVLAMEMGADL
UniRef90_U2GJL3 UniRef90_B9XJU8	MIL K A II V D A Q S G E II L IG A S F H C II Y A N E L I N E II IA II A M N L K A N A F V K II H V K R G T D O II I G A T II V A R H A G F M II S F V S V A M T G K II G II
UniRef90_UPI0003C87500	CYMVCLREPPREVLGEHFLGPNAGEVTQGFALGIKCGASY
UniRef90_W1Q6I8 UniRef90_R6W5B7	SFKIIVINKADQTILIGATHYGVIMSPEVINFLIALIALIKTKVPY MIKIITDAG GKVVGCHVVGAHAADIVOFVSAIMCONUTV
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UniRef90_E4PQW2	LLRLYGEHGSGLEMGAEMFGPAAEHLAHLLAWSAQRRLTV
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	1 10	20	30 40
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UniRef90_U4UHP6	DYDLVVIGGA	GGLAAAKEAAS	ĠĀĶ <u>VVV</u> ĀDŸĔĂ P ĬĹA
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UniRef90_L8SMG7 UniRef90_J2ZA28	M Y	GNOVI AAAAAI)	1 (i M I) A V R (i (i (i
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UniRef90_W4QIE7	C L H K G
UniRef90_I1HLK9 UniRef90_A2RNK4	CVN R G CVP S K A V S G R M R E L H D E H H L K S M G L Q V S S P G Y D R Q G T C P N V G C A P S K T L I V A G Q K N M N F S E A M T T K Y
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UniRef90_A6LL85 UniRef90_UPI00036C151F	C T N K G C P T K A L T S A H L Y R D K E K A S K F G K V D S V D F E L S C L N T G C V P S K A L I R S A K L L S H I R R A K E F G I R E A R A E F D F A
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UniRef90_D3SUX0	CVTRGCIPSKALIHRADIVDELHRAAEFGVHADLQEIEFG
UniRef90_I3ZMM7	CINT GTIPSKT MREAVLHLS GYNYRSIYMNYRVKERIT MA

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UniRef90_U5QFN2 UniRef90_L8H6Y8 UniRef90_L8H6Y8 UniRef90_L9H00031DB26F UniRef90_U4UHP6 UniRef90_U4UHP6 UniRef90_G2FDL9 UniRef90_K8GT24 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_S9PXX1 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef90_F0F1L5 UniRef9		GIVIT E Y R Q GIT V T K K Y K GIL IQ GIL V K A R GIT IT V T E G E G R L V S P T T E V M E R V Q R V T Q E V A P H D S V E R Y T G E V V Q G A A K L T S P W T V D
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	UniRef90_F3RD78 UniRef90_A0A011RNB7 UniRef90_L8SMG7	L V Q Q Q A R V D E L R I A K Y E S I L E S N P S I N L V R G S A R F K D G H T
UniRef90 127A28 IL VID DIV LIE TIVIT E A A E E K A R R A R N R S NIL IT E Y O T E G R E IVIG P H E	UniRef90_J2ZA28 UniRef90_UPI00041C8AC8	II VID DIV I IE TIVIT E A A E E K A R R A R N R S NII IT E Y O T E G R EIVIG P H E
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UniRef90_Q0G2J9	QVD GIELEGAHILIAIGAKPVILGIP GEKYLIDN R H N GASERMSTRGIVIAAGARPFVPPIPGIEEV GYLTS EVEAGEYRIKARRVVISTGSAPFVPPIPGLDTVPYETN ELTEDKEQLTADLIVINTGAKSNVLPIHGLLDTAGVYDS MVDICKRVLTADKFLVCVGTRPARHPDIPFDGETIFDSD AIATPDGEKIVTAQDIITGSIPFVPPGIETDGKTVFTSD RVIHEDSAQTYTFNNVIIATGSRPIEIPGFKYGKRVLNS TVEVDDKLLRFKKAVIATGARAANLSIPGIEEA GYLTN EVEVDDKLLRFKKAVIATGARAANLSIPGIEEA GYLTN EVEVDDERITTRNIVIATGARAANLSIPGIEEA GYLTN
UniRef90_I1HLK9 G	KVGFPDKEITAKNIII ATGSVPFVPKGIEIDGKTVFTSDVNGENVTQVIGERIFINTGATPLIPEIGIHEAKNIVTSVLEIGEELITSKMIFLSIGSKPMIPPVKGLDDISYLTSSLEIDGTPHTFTQAVIATGTEPRLPQFAGTDTVN MLTSSLEIDGTPHTFTQAVIATGTEPRLPQFAGTDTVN MLTSKVISSDNKEIADKIVINTGSISRTLNIDGIDNKNI MVSRIRHLTPQTDAARIIIATGSKPKELSICPTDGHIVANSELQVDGQALRARHGYVVATGVAPHIPDLPGLGDVAY LTSLVRVGNDQYEGETIVIATGATSRLLKIKGAEQLRNRNTSLRTEAGDEFSSDQVVIAAGSRASVPPAIHDCGVAY HTSLRTEAGDEFSSDQVVIAAGSRASVPPAIHDCGVAY HTSLRTEAGDEFSSDQVVIAAGSRASVPPAIHDCGVAY HTSLRTEAGDEFSSDQVVIAAGSRASVPPAIHDCGVAY HTSLRTEAGDEFSSDQVVIAAGSRASVPPAIHDCGVAY HTSLRTEAGDEFSSDQVVIAAGSRASVPPAIHDCGVAY HTSLRTEAGDEFSSDQVVIAAGSRASVPPAIHDCGVAY HTSLRTEAGDEFSSDQVVIAAGSRASVPPAIHDCGVAY HTSLRTEAGAGARAVITS
UniRef90_G6XHU7 UniRef90_E4PU52 UniRef90_UPI00047D816D UniRef90_L0JLG8 UniRef90_M5DH34 UniRef90_UPI000262927E UniRef90_A3SIQ4 UniRef90_U3TEQ7 UniRef90_U2RS06 UniRef90_M5T966	TVEVNGRTITTCALVIATGAAPALPPLPGLEQVSY YTS HPDEEPYQITTDYTVVATGSAPRKADWAQLDNECV FDS EVQAGEHVIRARRIVIATGSLPLVPPIPGLESVPY VTN VEVDSVGSIGYSKLVLALGTSPASIPGLEPDGEVV HNN ENPNCIDS
UniRef90_W5WPC4 UniRef90_U2B5D8 UniRef90_Q17745 UniRef90_A6LL85 UniRef90_UP100036C151F UniRef90_W4URT6 UniRef90_K9YN60 UniRef90_R7MA49 UniRef90_C5CDS1 F \	R VT G G E E T T A E T V N T G A T P V V P P E G A D G S R V VD S A V E V N G E R M T A R S V A A G A R P R V P E P G L E Q V R S Y T S N K K K K V E K L T A D R F L I S T G L R P K Y P E P G V K E Y T I T S L L E N E G K E I K G R Y L I L A Q G S P S V F P P F D K L E G L W T S R N D G G H Q R L S T R S I I I A T G A R P A V P A I P G I E D V G Y Y T S V K V T S G N D Y L G K E I F I H A G S A P L I P P I E G I E T V E N A Y I N I E V D G Q K L S Y K K A V I A T G A R A V T P N I E G I D E V G F F T N L D A N G K Q Y H V K Q I I S A L G S K P K T V K G L E F D H K F I L S S Y L E N A N E L L D T E K I V L A T G S K P K P R P R E D G G D E V G T S T S T S A V T S A V T S A V C S R P K P R P R E D G G L R S T S T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S A V T S
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UniRef90_E6S609	R V D V D G K P Y A A G R G I V V N V O S P A A T P P I E G L E G V P F W T N R L G V G E E I I E A K S V V I A T G S S P K L M P M F K G L G D R L I V N Q V A T N Q E E V S A K Y F L I A V E G F P K Y P D I P G A L D Y G I T S E T K D G E K T I T A K D I I L A P G S V P F V P P G V E D G K T V F T S V Q I D D H T Q I H A D R I V I A T G S R P A I F P Q W E A L G D K C I V N L D G S G V Q T F S A K K I L I A V G G R P I W P S H I P G A E Y G I D S L Q V D G H T V V T F G R A V I A T G S S P A I P P M L K A A G K R L I V N D P D R E E E I Y V P K K L I I A T G A S V P N S L P T L P V D E E V I L S S L V E A A E G D W F D R C L I A T G A S A A I P P L P G L A E T P Y W T S T E V D S N D G P G G A E T I V L A G G S R P M I P D S L D G T H E T P Y L T S L I E V N D E R I K A D K I I I A T G S S P F I P D D W E E K L G E T L L T S L V V E S D D Q I R G D T I I I A V G G R P V I P P I G G V E D V D Y L T S I V V E S D D Q I R G D T I I I A V G G R P V I P P I G G V E D V D Y L T S I V V E S D D Q I R G D T I I I A V G G R P V I P P I G G V E D V D Y L T S I V V E S D D Q I R G D T I I I A V G G R P V I P P I G G V E D V D Y L T S I V V E S D D Q I R G D T I I I I A V G G R P V I P P I G G V E D V D Y L T S I V V E S D D Q I R G D T I I I I A V G G R P V I P P I G G V E D V D Y L T S I V V E S D D Q I R G D T I I I I A V G G R P V I P P I G G V E D V D Y L T S I V V E S D D Q I R G D T I I I I A V G G R P V I P P I G G V E D V D Y L T S I V V E S D D Q I R G D T I I I I A V G G R P V I P P I G G V E D V D Y L T S I V V E S D D Q I R G D T I I I I A V G G R P V I P P I G G V E D V D Y L T S I V V E S D D Q I R G D T I I I I A V G G R P V I P P I G G V E D V D Y L T S I V V E S D D Q I R G D T I I I I A V G G R P V I P P I G G V E D V D Y L T S I V V E S D D Q I R G D T I I I I A V G G R P V I P P I G G V E D V D Y L T S I V V E S D D Q I R G D T I I I I A V G G R P V I P P I G G V E D V D Y L T S I V V E S D D Q I R G D T I I I I A V G G R P V I P P I G G V E D V D T T T T T T T T T T T T T T T T T

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UniRef90_UPI00047E5125 UniRef90_UPI00031E262B UniRef90_A0A014MHU1 UniRef90_UPI000366B27D	T D F L S L D Q L P D K V V F V G G G Y I A F E L A S I A N G A G A E V T I I I I D T V M R I D S P P R H L A V L G G G Y I A A E L A H V F S S V G S D I T I I I I V E A L E L D V L P E H L I I L G G G Y V G L E F A Q A M R R F G A R V T V V V E V F Q I E E I P E H L I V D G F D Y L A L E V A S V F H S F G T K V T L V T K E A I N L E E K I S S I V I I G G G V I G V E F A Q L F V A A G V K V T I L V E C A I N L E E K I S S I V I I G G G V I G V E F A Q L F V A A G V K V T I L V E C A I N L E E K I S I V I V I G G G V I G V E F A R L G S Q V T L V E N L W E L Q E Q P E R L L V L G G G P I G C E L G Q A F A R L G S Q V I Q V E H A V H W N E L P R S V I I V G G G V I G V E W A S L L H D F G V E V T I V E D S V M R L Q D L P R M I M G T G F V S A E L A H V F S A L G T D V T I V E T V F S I L O R P D K I A V I G G G V I G V E I A O T F O R I G C E V T I V I I I I I I I I I I I I I I I I	Ξ Γ Ω
UniRef90_M1FB56 UniRef90_UPI000288223C UniRef90_UPI000348ACEE UniRef90_K9QJL6	N L WE L Q E Q P E R L L V L G G G P I G S E L A H A F A R L G S Q V I Q V E H A V H WN E L P R S V I I V G G G V I G V E WA S L L H D F G V E V T I V E D S V M R L Q D L P R R M I I MG T G F V S A E L A H V F S A L G T D V T V V C E T V F S L I Q R P D K L A V I G G G P I G C E L A Q T F Q R L G C E V T L L L R E A M T P T V L P R K L L V I G G G A I G V E F A S L Y N D L G T D V T L V E	4
UniRef90_W2UBV7 UniRef90_Q0G2J9 UniRef90_A0A011R2Y0 UniRef90_B6B0C6 UniRef90_UPI00037238BB	ETVFSLIQRPDKLAVIGGGPIGCELAQTFQRLGCEVTLLFREAMTPTVLPRKLLVIGGGAIGVEFASLYNDLGTDVTLVEGFLALEDLPKRIVMVGGGYIASEFSQLAALAGSQVTVLCDSVWNLRELPKRLLVLGGGPIGCELTQAFARFGSQVSQVETLFELREQPAHLLVIGGGPIGGELTQAFARFGSQVSQVETTLFELREQPAHLLVIGGGPIGGELTQAFARFGSQVSQVETGIGIQQLTERPERLGIIGGGNIGLEFASLYSKLGSQVTVFC	Q = =
UniRef90_UP100037236BB UniRef90_H3GE36 UniRef90_UP10002E4710B UniRef90_W7AWL7 UniRef90_UP1000318F8E2	QLLWGVKTVPRRLIVVGAGVVGMEYASMMTIIGTDVTVII EALK LDWLPDWVAIIGSGYIGLEFSDVYTALGCEVTIIE TGALALQEVPKKLVVIGGGYIGTELGGAFANLGTELTILE ETVFSLIQRPQRLAVIGGGPIGCELAQAFRRLGCEVILEF) = =
UniRef90_L8JHK4 UniRef90_M7PNI1 UniRef90_X5JGX4 UniRef90_UPI000388FBEB	ETVFSLIQRPQRLAVIGGGPIGCELAQAFRRLGCEVILF DSIWSLKEQPERLLVLGGGPIGCELAQSFSRLGSKVTLVE DSILSMLYLPSSLTVLGGGVIASEYASIFQALGVQVTMIC ETVFSLTQKPQRLAVVGGGPIGCELAQAFQRLGCEVVLF DDIFWLKESPGKTLVVGASYVSLECAGFLTGIGQDTTVMV	=) _
UniRef90_W4QIE7 UniRef90_I1HLK9 UniRef90_A2RNK4 UniRef90_Q12V54	DEMLTLQKLPSSIVIIGGGVIGIEWASMLADFGVGVTVVEHALK LESVPDWIAIVGSGYIGLEFSDVYTALGSEVTFVEGAMELSELPKKLVIIGAGYIGLEFAGMFNKFGSEVTILEDTVLELTTLPKSLAIIGGGYIAAEYGHFFSAMGSKVTIIG	
UniRef90_S7VYY3 UniRef90_C7XN33 UniRef90_E6QSU2 UniRef90_F8A554	D S L S M L Y L P S S L T V L G G G V A S E Y A S F Q A L G V Q V T M E T V F S L T Q K P Q R L A V V G G G P G C E L A Q A F Q R L G C E V V L F F D D F W L K E S P G K T L V V G A S Y V S L E C A G F L T G L G Q D T T V M V D E M L T L Q K L P S S I V I I G G G V I G I E W A S M L A D F G V G V T V V E H A L K L E S V P D W I A I V G S G Y I G L E F S D V Y T A L G S E V T F V E G A M E L S E L P K K L V I I G A G Y I G L E F A G M F N K F G S E V T I L E D T V L E L T T L P K S L A I I G G G Y I A A E Y G H F F S A M G S K V T I I C D S I W E L D E L P K K L V V L G G G A V G S E L G Q A M A R L G S D V T I V N E G I L E L K E L P K K L L I I G A G Y I G L E F A S Y F A N F G S E V S I F C E F L S H L D H V P R S V L C I G G G A I G V E F G F M L H Q F G A K V H I V E T T A M E Q Q D L P A S M V V L G A G Y V G L E Q A Q L W A H L G V A V T I V T A G L K L E K L P C S I T F V G G G I G V E F A N I F A S L G V E V T I V L T L M R I F F L P F H M V L V G G G F V A A F F A H V F S A L G V E V T I V S	Q
UniRef90_A0A024HY21 UniRef90_W9B7T2 UniRef90_F8A3L4 UniRef90_K9Z154	T A GLK LEKL P Q S T F V G G G T I G V E F A N I F A S L G V E V L M L E D T L M R I E E L P E H M V I V G G G F V A A E F A H V F S A L G V R V T I V V D Q A L Q L D W I P R S A I I L G G G V I G S E F A S V W K S F G A D V T I I E E T I F S L T K L P P S L A V M G G G A I G S E L A Q V F N R L G S Q V T L L F T S L Q A L E G V P A R L A I V G A G A V A L E F A S M F A R F G S A V T V I A	- +
UniRef90_U1MU18 UniRef90_UPI000464B683 UniRef90_R4XPZ4 UniRef90_G6XHU7 UniRef90_E4PU52	D S I L S MLY L P S S L T V L G G G V I A S E Y A S I F Q A L G V V T M I L E T V F S L T Q K P Q R L A V V G G G P I G C E L A Q A F Q R L G C E V V L F L D D I F W L K E S P G K T L V V G A S Y V S L E C A G F L T G I G Q D T T V M V D E M L T L Q K L P S S I V I I G G G V I G I E W A S M L A D F G V G V T V V E H A L K L E S V P D W I A I V G S G Y I G I E F S D V Y T A L G S E V T F V E G A M E L S E L P K K L V I I G A G Y I G L E F S D W Y T A L G S E V T I L E D T V L E L T T L P K S L A I I G G G Y I A A E Y G H F F S A M G S K V T I I C D S I W E L D L P K K L V I I G A G Y I G L E F A S Y F A N F G S E V S I F C E G I L E L K E L P K K L L I I G A G Y I G L E F A S Y F A N F G S E V S I F C E F L S H L D H V P R S V L C I G G G A I G V E F G F M L H Q F G A K V H I V E T T A M E Q Q D L P A S M V V L G A G Y V G L E Q A Q L W A H L G V A V T L V T A G L K L E K L P Q S I T F V G G G I I G V E F A N I F A S L G V R V T I V T A G L K L E K L P Q S I T F V G G G I I G V E F A N I F A S L G V R V T I V T L E T I F S L T K L P P S L A V M G G G A I G S E F A S V W K S F G A D V T I L E T I F S L T K L P P S L A V M G G G A I G S E F A S M F A A F G S R V T M L E T L L L L D P A L L A I V G A G A I G A E F A S M F A A F G S R V T M L E T L L L D P A L P K S L L V I G S G A I G A E F A S F Y R N M G S E V T L L L R C A M T P S D L P K R L L V I G S G A I G A E F A S F Y R N M G S E V T L L A D Q A L Y L E S V P K S M V I I G D G S L S L E F A Y F Y N T L G V E V T I L T L D Q A L Y L E S V P K S M V I I G D G S L S L E F A Y F Y N T L G V E V T I L T L T L T L T L T L T L T L T L T	H D =
UniRef90_UPI00047D816D UniRef90_L0JLG8 UniRef90_M5DH34 UniRef90_UPI000262927E	DQALYLESVPKSMVIIGDGSISLEFAYNTLGVEVTILT TQIYNLTELPKALIVVGSGVTGAEFASAYNGLGSHVTLVS REALQLESPPDHLVIVGGGYIAAELGHFFGTFGSDVSIVC DTIWSLTERPERLVVLGGGPVGCELAQAFARLDCQVTQVA DTILKIEKLPKKITIIGAGVIGCEYACIFAKLGIRVNLIA ETLFEMREKPEHLLIVGGGPIGMEMAQAHRRLGSRVTVIE	S G A
UniRef90_A3SIQ4 UniRef90_U3TEQ7 UniRef90_U2RS06 UniRef90_M5T966	ETLFEMREKPEHLLI VGGGPI GMEMAQAHRRLGSRVTVI ERTILGLRRKPGRMLII GGGYI GVEYATAMARLGVEVTI VI ERTILGLRRKPGRMLII GGGYI GVEYATAMARLGVEVTI VETGALSLEKLPKSMVVI GGGVI GLELACAYAAFGTKI TVVE ESLFSLTELPKRLGII GAGPI GCEMAQSFAQLGSEVFLVE	
UniRef90_A6GLK6 UniRef90_G2J4W1 UniRef90_W5WPC4 UniRef90_U2B5D8	N E L L D L S T L P K R V G V I G A G Y I A L E F A C I L R G L G S E V S V F Y N V F D W D T L P R R V A V F G P G V I G V E L G Q A L S R L G V E V R M F C T A V Q T L P E R P S S L A I V G G G P I G L E F A T M F A Q F G T D V T V L L C E S I W G L R Q Q P R W L L V L G G G P V G C E L A Q A F Q R L G S Q V I L L C D D L F Q L P Y S P G K T L C V G A S Y V S L E C A G F L H G F G F D V T V M V	Y G Q Q
UniRef90_Q17745 UniRef90_A6LL85 UniRef90_UPI00036C151F UniRef90_W4URT6	DDLFQLPYSPGKTLCVGASYVSLECAGFLHGFGFDVTVMVDDVFKIKEFPKSLLIIGGGVIGVEFATFFSSFGVDVTIVMVDDVFKIKEFPKSLLIIGGGVIGVEFATFFSSFGVDVTIVMVDTIVEDTIWNLRELPRRLLVLGGGPLGAELTQTFARFGANVTMVLHEILDRNELPKHLIIVGDSYAGLEFASMYANFGSKVTILEETIFSLTELPPRLAVIGGGPIGCELAQTFHRLGSKVSLIF	/ <u>=</u> =
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UniRef90_Q21EH1 UniRef90_A6GLK5 UniRef90_W1RW50 UniRef90_A8TKB3	DNI WDLRELPKRILV LGGGPMGCELT QTFNRLGSQVTQVE TVWNLTQLPNRLVIAGGGPIGCEMAQAFARLGSQVTVVC TLWDEFDDLPKRLVVLGGGPIGSELAQAFARLGSQVTQVE EAFATFDAPPTRLVVLGGGPIGCELAQSFARLGSSVTQVE ESVFELDSRPEHLLVLGGGAIGTELAQAHARLGCKVTLV	Q = =
UniRef90_C7LYG4 UniRef90_M4ZUH1 UniRef90_K0V7D1 UniRef90_Q6AFG3	T D L L F R D A P T E R L I V V G G G Y I G L E L G A A WA R L G A K V T I V E D T I M R L D A L P D R L G I I G G G F I A V E M G H V F S G L G S K V T L M N D R L L H Q A A R P E R L V I L G G G F I G L E F A S M Y A A F G C A V T V L E Q A L E L D F V P Q K V A V L G G G V I G V E F A S V W K S F G A D V T V I E	N E
UniRef90_W6LRJ7 UniRef90_A0A010NFW0 UniRef90_U5QFN2 UniRef90_L8H6Y8	E QALE LD F VP Q K VAV L G G G V I G V E F A S V W K S F G A D V T V I E D N I W T L R E S P R R L V V L G G G P I G S E L T Q A F A R L G S Q V T Q V E T E A L E L D Y T P K S A I V L G G G V I G C E F A S A W T S F G T E V S I I E T V F S L R E R P E R L A V I G G G P L G C E L A Q A F A R L G S Q V V L L P Q L L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L O L N L S E M P R N L I V V G A G V V G I L D V T V I L O L N L S E M P R N L I V V G A G V V G I L D V T V I L O L N L S E M P R N L I V V G A G V V G I L D V T V I L O L N L S E M P R N L I V V G A G V V G I L D V T V T V I L D V T T V T T T T T T T T T T T T T T T	= - - - - -
UniRef90_E6S609 UniRef90_UPI00031DB26F UniRef90_U4UHP6 UniRef90_G2FDL9 UniRef90_K8GT24	D DVF E WE T L P E S V A V F G P G L I G I E L G Q A L H R L G V R I R V F C D D I F T L K H P P G K S L I V G A G C S G L E C S G A L N V L G Y E T T V M F M L V I G G G L I G L E M A T V Y A T L G S E I D I V E D D A V R L E T L P D W L A L V G S G V L G L E F A D V Y S A L G C E I T L L E	3
UniRef90_R06124 UniRef90_F0F1L5 UniRef90_S9PXX1 UniRef90_F5RD78 UniRef90_A0A011RNB7	T E A L E L D Y T P K S A I V L G G G V I G C E F A S A WT S F G T E V S I I E T V F S L R E R P E R L A V I G G G P L G C E L A Q A F A R L G S Q V V L L P Q L L N L S E M P R N L I V V G A G V V G I E Y A A M L G S L A N T Q V T V I L R E F A E A T A L P G S L V V L G G G A I G C E L A Q V A A R F G T T V T V V E D D V F E W E T L P E S V A V F G P G L I G I E L G Q A L H R L G V R I R V F C D D I F T L K H P P G K S L I V G A G C S G L E C S G A L N V L G Y E T T V M P O D D I F T L K H P P G K S L I V G A G C S G L E C S G A L N V L G Y E T T V M P O D D V F S W D T L P E S V A V F G A G V I G L E F A D V Y S A L G C E I T L I E D D V F S W D T L P E S V A V F G A G V I G L E L G Q A L K R L G V R V E I F S D C F E L E Q P K K V A V V G A G Y I A I E L A G V F A A L G T E T H L F I D D V F D W T D L P E S V A V F G P G V I G L E L G Q A L H R L G V R V E V F C D G M F Q L E A L P D S M A I I G G G V I G V E W A S M L N S L G V K V T V I E E A L V S E T I P K R L A V I G A S V V A L E L A Q A F A R L G S E V T I L D E A L R L D T L P D R L V V V G G G Y I A V E M S H F F S Q V G S D V T I L V C D T V F D L P D L P D S L V I V G G G Y I G A E L G Y F F G A L G T E V S L V C L V L D L K Q L P K T M I I V G G G Y I G A E L G Y F F G A L G T E V S L V C L V L D L K Q L P K T M I I V G G G Y I G V E Y T C M F A A L G V R C T L I E L C L D L K Q L P K T M I I V G G G Y I G V E Y T C M F A A L G V R C T L I E L C L D L K Q L P K T M I I V G G G Y I G V E Y T C M F A A L G V R C T L I E L C L C L C L G Y F F G A L G T E V S L V C L V L D L K Q L P K T M I I V G G G Y I G V E Y T C M F A A L G V R C T L I E L C L C L G Y F F G A L G T E V S L V C L V L D L K Q L P K T M I I V G G G Y I G V E Y T C M F A A L G V R C T L I E L C L C L G Y F F G A L G T E V S L V C L V L D L K Q L P K T M I I V G G G Y I G V E Y T C M F A A L G V R C T L I E L C L C L G Y F F G A L G T E V S L V C L Y L D L K Q L P K T M I I V G G G Y I G V E Y T C M F A A L G V R C T L I E L C L C L G Y F G A L G T E V S L V C L T L T L T L T L T L T L	3
UniRef90_L8SMG7 UniRef90_J2ZA28 UniRef90_UPI00041C8AC8	E A L V S E T I P K R L A V I G A S V V A L E L A Q A F A R L G S E V T I L D E A L R L D T L P D R L V V V G G G Y I A V E M S H F F S Q V G S D V T L V C D T V F D L P D L P E S V A V I G T G A V G L E L A Q A F S R L G V A V T A F N	- G

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UniRef90_I4BD73	KSGRLLGGPQDDALRTRYTDLMRSRYDTRCGTEVTELAGARNPRLAHRGDPDVSEATEQLFHDEDTQVVTNAVAQRVEGIND DQSFLDADLIKELKRLFKKKKIHIVNQAAIKLIEES
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UniRef90_M1FB56	MGDRILLAKEDKDVSELVKTQFVNDGVDLRLEHAAKEFAILE
UniRef90_UPI000288223C UniRef90_UPI000348ACEE	NLPRLLANLDGELSQIITKNLADRGVNVVLNSNIISYEN AMDRLIPREEPRASEVLRERLEAEGVTVLTGYQAERVDA MGDRLLAKEDKDVSELVKTQFVNDGVDLRLEHAAKEFAIE TESRLLALEDEDISKELQKEFSKRGIQVLTDTRIDTHSIN RSGLMLRHGDEDVATRFTE LAARRWDLRWNRTAKGVERD
UniRef90_K9QJL6	R G S H L L N K E D A D A A E L V Q N V L I Q E G I R V V L N C Q L E E V V A V
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UniRef90_UPI00037238BB UniRef90_H3GE36	A A P T L G R D E E V A K <u>L</u> A K S Y <u>L</u> E E D G V S F K <u>L</u> G V S I S G V K N S G R K E L N M A D K E V S E G <u>L</u> <u>C</u> Y S M A Q T G T R F L T E E T K S V E K A
UniRef90_UPI0002E4710B	GRKEILNMADKEVSEGLCYSMAQTGTRFLTEETIKSVEKA ALDQLMPTFDPDIAKIAQRVLIA PRDIETRAGVIAQK GGPEILPTYEKDMVSLVKRSLKNKNVEIVTKALAKSAEET RGSHILNKEDADAAEIVQNVFLKEKIRLVLNCQMQRVEKT
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UniRef90_I1HLK9	A
UniRef90_A2RNK4 UniRef90_Q12V54	PHATFLPKEDEDISNETYKDLVAAGVETQLGVETERITDS RSPRIVDNEEPELSELARKKMA RYVDIITDHEVSELHPS
UniRef90_S7VYY3	RRARLLANEDERSSGI LQASFERDGI TVLHGRSATEVVSS
UniRef90_C7XN33 UniRef90_E6QSU2	F D D S F L V R E D E D E A K L L K E L L E K K D L K F F F K T S V K K F E D L O G D R L L H O A R N M A D R A C E R R L G H L G L E W S K N L O V V S S P W G
UniRef90_F8A554	RRARIL LANEDERSS GIL QASFERD GITVLHGRS AT ELV VS S FDDS FL VREDEDEAKILKEILEKKDIKFFFKTSVKKFEDL QGDRLLHQARNMADRACERRLGHLGIEVSKNLQV VS SRVG GRFAPHAEPEVADVLLGVFQDEGITV V QERATEVRAT
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UniRef90_W9B7T2 UniRef90_F8A3L4	R G A G L L T H C D E T I C H R F T D L A M A K W D A L P H L V P N E D E A L S K A F E R A F R K R G I Q F N L G V R F S G V T Q D K H D Y I L N K E D K Q A R E I I Q N T F L Q E G I N L I L N S Q I L K V E L T R G P A I L P A E D D D D V R E S V E A T L A D A G V R I L T R A E T E R I D D D R G E R V L P R E D P D D V S E T V A G F L A D A G V R L H T R V I I T E V S S G M T A E I L P Q E D A E I S A L A R K A F E K Q G I R V L T Q C A V K S S S L T V A D R I L I A E D P E I S A F A R K A F E K Q G M K I M T G A K V G P L Q K S N V D F L S R F D M D L A K S V K Q Y F D L K N I R V I D R V N L K R I D L D S R D V J S R T R A F T V E R T
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UniRef90_E4PU52 UniRef90_UPI00047D816D	N
UniRef90_L0JLG8	RRPYLLPDADAAVAAEFTDRYADR FDVYTGYEATAAMQS
UniRef90_M5DH34 UniRef90 UPI000262927E	K T <mark>C</mark> L ME R E D A D A V A L I E A A L R A D G V R V L T Q T E A I R <mark>C</mark> E R A R D R H V M P F L D R E I A E <u>A L</u> V Y R <u>M</u> R N Q R I T <u>M</u> R L G E <u>N V</u> K Q I <u>V</u> K L
UniRef90_A3SIQ4	GARAL GKDDPELAAIALDRERGEGIENAEEALAQEVRGQ LDRLLPTMQRDFSRVVERRLKSEGVSLHTKTRVESVEGR
UniRef90_U3TEQ7	LLDRLLPTMQRDFSRVVERRLKSEGVSLHTKTRVESVEGR
UniRef90_U2RS06 UniRef90_M5T966	ALDHMLPMLDGDLTAI GVKHMKKMGMEFNLECPVQAVEAS SEHGLLTKEDRSAAELVQNAMERAGVKLLCCGRNLQI KN
UniRef90_A6GLK6	R G D <u>L P L R G</u> F D E <u>G</u> I R N R <u>L V T A M Q L Q G L Q L F <u>P</u> D T D F K <u>S</u> L S Q Q</u>
UniRef90_G2J4W1 UniRef90_W5WPC4	A S G S L G P L T D P V I R D Y A R R A L G E E F Y L D P K A K V V E M R R S T E F L S V A D R D L A E E V G R D L A D L G V T I I S G A A V S S L S S G
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UniRef90_UPI00036C151F	RGERVMPREDLEVSELVMQRFRVEGIDLRTGHKSRRFVIE
UniRef90_W4URT6 UniRef90_K9YN60	SKDRFMPFADRDVANYIKEVITRNGIEIHLDAHVRSLLDT
UniRef90_R9TN00 UniRef90_R7MA49	LAPHL LPLADTEVSKRVERIFKTNKI KFYTKNÝVEKI E
UniRef90_C5CDS1	LQPRLIPFEDIDASIVLEKSLKKRGVKVKTGVAVEKIEKL
UniRef90_E1K001 UniRef90_UPI00035CA4B7	N S PL I I R H A D P E V A QI I I Q A QI F A F GIVRVI T K T PIVIT OIVRI I
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UniRef90_R5H2Q7 UniRef90_T0PQN8	MAENILLIPAADILEVISKRIVIERII IFKTKKILIKAYKSTSIVIEKII QD
UniRef90_UPI00035D7A0A	MAPRIL MLREDPDVS DIVQARFRA É GVDVKVK HTAKEFI VE
UniRef90_Q21EH1	R G D QIL LIP K E D A DIVIA E F A LIN T LIR N E GIVIEIV L LIN A E LIT A VIA A G
UniRef90_A6GLK5 UniRef90_W1RW50	RSARI MVREDEEVSEL VQESMTSDGVTI LITSHNAI RCEKD
UniRef90_A8TKB3	E A A RIL LG A E D P E A A E V V R LS L Q R D G V T I R E G LS V K A V A R G
UniRef90_C7LYG4 UniRef90_M4ZUH1	A M D DIV L M G A E P E IV IR R A L IR D G L IG R L G IV IE V IR T R A IV VIS S IV E A IV R S E GIV I R G E D H E I IS E R E A E IV E G E R IV ID I R V G H IV E T O IV S B IV
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	250 260 270 280
UniRef90_UPI00035D5E37	PDGS RL L HD EATNGYD I EVDQLLV AVGRAPN V EG
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UniRef90_E6QSU2 UniRef90_F8A554	HDGIVEN RT GSERRUTGORII VIATGREADTSD
UniRef90_A0A024HY21	EDGSLLYTLDDKQQRVQSDLYFESLGREVVHDAYHDLNWL
UniRef90_W9B7T2 UniRef90_F8A3L4	G N S I V K A I C V Q D G K E F L E E F D K V L I A V G R K P N T D N K D G V H V A F N R G D L A C Y D Y V L V V A V G R Q P N T Q G H D G V E V R T G S E R R L T G Q R L L V A T G R F A D T S D E D G S L L Y T L D D K Q Q R V Q S D L Y F E S L G R E V V H D A Y H D L N W L V N V I G S R T E D G R T V L E L D D G S E L D T D V L L V A T G R V P N G D L D N G V H V S L E D G K T F D A D V L L V A V G R G P S T A G E N G K K I D Y I S N G Q K N S I T V S D I L V C I G R E P N I K E G T V A T V V T S A D P V H A D A V L L A T G R S P A T A E P S G V T V R M S D G T E V T G T D V L V A V G R E P V T S E P S G V T V R M S D G T E
UniRef90_K9Z154	ENGKKI DYTSN GQKNSTTVSDI LVCLGREPNTKE
UniRef90_U1MU18 UniRef90_UPI000464B683	T S A D P V H A D A V L L A T G R S P A T A E P S G V T V R M S D G T E V T G T D V L V A V G R E P V T S E
UniRef90_R4XPZ4	ATGVKAVLE QQGKQ[ELEVERVIVA AGIVGNVEN ENEVSTTIENADGRTE LTVDRVI CAVGIVGNVED
UniRef90_G6XHU7 UniRef90_E4PU52	E N E V S T T I E N A D G R T E
UniRef90_UPI00047D816D	D D G V R V K L N D G R T I E G S H C L L A V G A L P N T A D
UniRef90_L0JLG8	GESLITVEARADAETAGPGETVSVTGDELLVAAGRVPNTDA
UniRef90_M5DH34 UniRef90_UPI000262927E	S G Q Q C L M V R Y Q D G T E E A L P F D A M L C A V G R T A R T K G S P Q E V Q V E L E S G K T L P C S T V M L A A G R V A N S D K
UniRef90_A3SIQ4	A G A I LEI LE A K D G R V F K G S H L L M A V G R K A N I LE R
UniRef90_U3TEQ7 UniRef90_U2RS06	E RYALADIS GVGRMEFDTIL VAVGRRPNTRG PVGAKVVCKN KAGETVSFEAEKVLVAI GRKAN <u>T</u> AS
UniRef90_M5T966	DGGI RLTVDSH GKAYDESVDQLLVAVGRAPNVEN
UniRef90_A6GLK6 UniRef90_G2J4W1	GA T F D L Q T A A A N H A F D F V L N A T G R S P N T Q G R D G D E A V L R Y V H L D G G V R E E R F D Y V L V S T G R T P N V Q R
UniRef90 W5WPC4	DDAATVITYTVG ESGGDQSLSVDYVLLATGRKPAIIEG
UniRef90_U2B5D8 UniRef90_Q17745	E G E Q R V L V R D L G S G E Q R S L A F D A A L L A L G R Q P H V D G A G K Y R V F W P K K N E E T G E M Q E V S E E Y N T I L M A I G R E A V T D D
UniRef90_A6LL85	IN Y I A I V D G E T I E A E K V I T A V G R R P N I T D
UniRef90_UPI00036C151F	NGEKTL VAE HQGEEVRI PFDVLL VAVGRAAKLTG EDGIELTYTSLSG DNPKI LEGSAVL VTTGYRPLTDT EEGKKI YYRSDRG NNI VTLSSGETL NPEL I L WALGREPNSQE
UniRef90_W4URT6 UniRef90_K9YN60	E E G K K L Y Y R S D R G E D S V L V D E I L M G A G R A P N V E G
UniRef90_R7MA49	N N I V T L S S G E T L N P E L I L V A I G R E P N S Q E
UniRef90_C5CDS1 UniRef90_E1K001	DNGFLTALSDGE QLETEKVLVALGRAPVYPEPEGLRI EAPGASLTCDMAVNAAGRPAAIDD
UniRef90_UPI00035CA4B7	EN KKWLQAGDKAI ETDELVVALAQQPNLEF
UniRef90_K6VPM7 UniRef90_R5H2Q7	DGGVRVSLKDG THVDGDVLLVATGRWPNGDR KKVYLTTGEILEPECVLIAAGRVPNSCK
UniRef90_T0PQN8	K K WLQ A G D K A I L T D EI V V A I A Q Q P NI E F D G G V R V S L K D G THV D G D V L L V A T G R W P N G D R K K V Y L T T G E I L E P E C V L I A A G R V P N S C K D A T G Q L H V S F A N S E T N E T F T E V F D T V L Y A V G R T A D T F N N G E H I L L A E H D E Q L V R I A F D K V L I A I G R A A K V Q A
UniRef90_UPI00035D7A0A UniRef90_Q21EH1	EGKSVLTIS QNENTQHLECDOLLLALGRTPRIOG
UniRef90_A6GLK5	GEQKULVTE HQGNTVEILEFDDVICAVGRKARLTG
UniRef90_W1RW50 UniRef90_A8TKB3	G D V K K L I V E K D G Q E V I E F D A L I C A V G R E A R L E G D A D A V A A G R K V T F G G S H I V A A G R K V T F G G C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A C A
UniRef90_C7LYG4	ADGVVVGIEQGAGVDK LAADVVAVVVGREPRLEP
UniRef90_M4ZUH1 UniRef90_K0V7D1	DATGQLHV SFANSETNETFTEVFDTVLYAVGRTADTFN NGEHILLAE HDEQLVRIAFDKVLIAIGRAAKVQA EGKSVLTIS QNENTQHLECDQLLLALGRTPRLQG GEQKVLVTE HQGNTVEIEFDDVICAVGRKARLTG GDVKRLIVE HQGNTVEIEFDDVICAVGRKARLTG KDGQETVIEFDALICAVGRKARLTG ADGVVVGIEQGAGVDK LAADVALTLDGPDGAETVGGSHL LVAAGRKVTFEG DDGSIEIIVGGESVIVDE LLVATGREPNSDL ILRPGAAPVARVQYLRDGRSVSVDADTILVALGRTPNTAA ENGVVVSLEDGSTVEEEL HDGSDVRIPFDAVLVAVGRGPLTQG NGEKVLIAE HDGSDVRIPFDAVLVAVGRGPVTEG
UniRef90_Q6AFG3	ENGVVVSLEDGSTVEEEL LVAVGRGPLTQG
UniRef90_W6LRJ7 UniRef90_A0A010NFW0	ENGVVVSLEDGSTVEEEL LLVAVGRGPLTQGNGEKVLIAE HDGSDVRIPFDAVLVAVGRVANTQGEDGVKVTLEDGKT FEAELCLVAVGRGPVTEG
UniRef90_U5QFN2	ADGRVIHYRTRAGTAQVTVDAILVGAGRTPNVEA
UniRef90_L8H6Y8	E A R K R V I A E L E S G K R V I G D S L L Y A V G R Q C N S D S
UniRef90_E6S609 UniRef90 UPI00031DB26F	A G T A Q V T V D A I L V G A G R T P N V E A E A R K R V I A E L E S G K R V I G D S L L Y A V G R Q C N S D S P T P G E A D Q V E V T L E D G T V L R A E R L L V A T G R R T D P G A G D Q V K I R F V N R E D G K E K E E N F E Y V L A A T G R S P N V I N H T G K L Q I L Y S N K T K Q K F S A E F D T I L F A I G R R S L I N E K Q G L K V S F E G K N A P D K P Q L Y D K V L V A V G R T P N G R S G S P V V I E L A D T K T K E V V E V L A A G R R P N V D N G G S G V F V A D Y L L A A G R R P N V D N G G S G V F V A D Y L L A A G R R P N V D N G G S G V F V A D Y L L A A G R R P N V D N G G S G V F V A D Y L L A A G R R P N V D N G G S G V F V A D Y L L A A A G R R P N V D N G G S G V F V A D Y L L A A A G R R P N V D N G G S G V F V A D Y L L A A A G R R P N V D N G G S G V F V A D Y L L A A A G R R P N V D N G G S G V F V A D Y L L A A A G R R P N V D N G G S G V F V A D Y L L A A A G R R P N V D N G G S G V F V A D Y L L A A A G R R P N V D N G G S G V F V A D Y L L A A A G R R P N V D N G G S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G F S G V F V A D Y L L A A A G R R P N V D N G T T T T T T T T T T T T T T T T T T
UniRef90_U4UHP6	HTGKLQILYSNKTKQK FSAEFDTI LEALGRESLINE
UniRef90_G2FDL9 UniRef90_K8GT24	HTGKLQILYSNKTKQK FSAEFDTILFAIGRRSLINE KQGLKVSFEGKNAPDKPQL YDKVLVAVGRTPNGRS GSPVVIELADTKTKEVVEV LEVDACLIATGRIPYTKD
UniRef90_F0F1L5	G KVEVKWSDNGESGVFVADYLLAAAGRRPNVDN
UniRef90_S9PXX1 UniRef90_F5RD78	KII EKLIPSSQLIRLIHSEQSTLIDVIDSLLIWAVIGRTPKTEG
UniRef90_A0A011RNB7	NGKVLLSLE EAEEVLTVDKVLTALGRRPVVDG
UniRef90_L8SMG7	D G E F V L T T G Y G E II R A D Q L L V A T G R A P N T R S
UniRef90_J2ZA28 UniRef90_UPI00041C8AC8	K Q G L K V S F E G K N A P D K P Q L Y D K V L V A V G R T P N G R S G S P V I E L A D T K T K E V V E V L E V D A C L I A T G R I P Y T K D L E V D A C L I A T G R I P Y T K D K V E V K W S D N G E S G V F V A D Y L L A A A G R R P N V D N K I E K L P S S Q L R L H S E Q S T L D V D S L L W A V G R T P K T E G P E G V R I N Q E L P D D R V V T K D F E W V I A A T G R T P N V K N N G K V L L S L E E A E E V L T V D K V L T A I G R R P V V D G D G E F V L T T T G Y G E I R A D Q L L V A T G R R P N T R S D G G E R V V T A E S E G G E E N V R G D R L L I A T G R K P N S D V D T D G K T A A F I E Y T D K D G N E G R W Q G E R V L V A T G R R N N I K Q D D G I V V T A E E N D N E E N S D E S V E L E A E R L L F A T G R R P N T D S E D G T V T A L L E S K K K
UniRef90_D3SUX0	DDG UVT A E ENDNE ENSDESVELEAERL L FATGRRPNTDS
UniRef90_I3ZMM7	EDGIVIALLESKKK VQGDALLYAVGRQGNVDE

UniRef90_UPI00035D5E37 UniRef90_S4E3H9 UniRef90_I4BD73	290 300 310 320 L G L E R A G V E Y S E K G V V I N D S F Q T T N R R I Y A A G D I C S A Y Q
UniRef90_UPI00047E5125 UniRef90_UPI00031E262B UniRef90_A0A014MHU1 UniRef90_UPI000366B27D	L G L E R A G V E Y S E K G V V I N D S F Q T T N R R I Y A A G D I C S A Y Q L D L E K A G V Q S D K H G I A V N E Y L Q T S N P A I F A C G D I I S R P K L D V G K A G I D T H D D G R I A V D E Y C R T S A D G V F A L G D V S T P V P I G L E L A G I E L T S N G H I K V N R R L E T T A P G V W A M G D C A G S P H L G L N R L G V N L T D S G H V A V N H Q M K T S T L N I Y A I G D L T E G E P L S E V G V E L D T R K S V I V D D Q C R T N V D G V Y A L G D L S A K A M L G L D A A G V E L T A T G H V R T D G R L R T T N H R I Y A A G D V T G R S A L G L E N T D V K L A N G F V K V N A N L Q T A E S H I Y A I G D C L G G P Y Q L G L E N T D V K L A N G F V K V N A N L Q T T N P K I Y A A G D I C M N W K L G L E S L K V E T E K G F L Q A D G F G K T N L A G L Y A I G D V A G P P W L D L D L A G V S D G R L Q L N E Y L Q S T S Y P N I Y A A G D A Q A G P P P W L D L D L A G V A V S D G R L Q L N E Y L Q S T S Y P N I Y A A G D A Q A G P P P C G L E E I G V A T T R T S V D D S M K T T N K K V Y A I G D V A G G L Q L N L E A A G I E T H R T G I V V D D S M K T T N K K V Y A I G D V A G G L Q L G L E N T A I E L T E R G A I K V D D N N F Q T A A P H I Y A A G D I C M D W K U G L E C M D K V S E R G L I E V D K Q G R T N I P N V F A L G D I V P G V P L N L E A A G D I C M D W K U G L E C M D V K V S E R G L I E V D K Q G R T N I P N V F A L G D I V P G V P L N L E T V G V E Y D R R H G V K V N D Y L Q T T N P K I F A A G D I C M D W K I G L E C M D W K V S E R G L I E V D K Q G R T N I P N V F A L G D I C M D W K I G L E Q L G V K V S E R G L I E V D K Q G R T N I P N V F A L G D I C M D W K I G L E C L G V K V S E R G L I E V D K Q G R T N I P N V F A L G D I C M D W K I G L E C L G V K V S E R G L I E V D K Q G R T N I P N V F A L G D I C M D W K I G L E C L G V K V S E R G L I E V D K Q G R T N I P N V F A L G D I C M D W K I G L E C L G C M D W K I G L E C L G L E C L G C M D W K I G L E C L G L E C L G C M D W K I G L E C L G L E C L G C M D W K I G L E C L G L E C L G C M D W K I G L E C L G L E C L G L E C L G C
UniRef90_M1FB56 UniRef90_UPI000288223C UniRef90_UPI000348ACEE UniRef90_K9QJL6 UniRef90_W2UBV7	L GL D K L G V E T L P N G T V P V E E D M S L R Y P N V F A C G D V A G P Y Q L G L E N T D V K L A N G F V K V N A N L Q T A E S H I Y A I G D C I G G V Q I A A E E G G L D L T D D G R I S V D A T Q A A S V D G V W A L G D V S S P Y Q L N L E S V G V K Y D T R R G V Q V N D Y L Q T T N P K I Y A A G D I C M N W K L G L E S L K V E T E K G F L Q A D G F G K T N L A G L Y A I G D V A G P P W
UniRef90_Q0G2J9 UniRef90_A0A011R2Y0 UniRef90_B6B0C6 UniRef90_UPI00037238BB	L NL E S V G V K Y D T R R G V Q V N D Y L Q T T N P K I Y A A G D I C M N W K L G L E S L K V E T E K G F L Q A D G F G K T N L A G L Y A I G D V A G P P W L D L D L D I A G V A V S D G R L Q L N E Y L Q S T S N P A V Y A A G D A Q A G P P Y G L E E L G V A T T R T V D T N E F L Q T S Y P N I Y A A G D V A G P P Q L N L E A A G I E T H R T G L V V D D S M K T T N K K V Y A I G D V A G G L Q L G L E N T A I E L T E R G A I K V D D Y C E T T I K D I Y A V G D V N G G L Q
UniRef90_H3GE36 UniRef90_UPI0002E4710B UniRef90_W7AWL7 UniRef90_UPI000318F8E2	L NILE A VGL A P D K R G R I K V D N N F Q T A A P H I Y A A G D I I G F P G L G F E K V G V E T D R R G F I P V D D H N G E P V P H L WA I G D A T G K M M I G L E Q L G V K V S E R G L I E V D K Q G R T N I P N V F A I G D I V P G V P L N L E T V G V E Y D R R H G V K V N D Y L Q T T N P K I F A A G D I C M D W K
UniRef90_L8JHK4 UniRef90_M7PNI1 UniRef90_X5JGX4 UniRef90_UPI000388FBEB	FGLEELGITTTERGTVDVNEYLQTKYPNIYAVGDVAGPFQ LDLENAGLSVNERGLISVNERLQTAVDNIYAAGDVIGSPS LNLDVVGVKYNKKRGVKVNNYLQTTNPKIYAAGDI <mark>C</mark> MNWK LNLETIGVKINETGKIIVDASEATSVPHIYAIGDITEGRP
UniRef90_W4QIE7 UniRef90_I1HLK9 UniRef90_A2RNK4 UniRef90_Q12V54	L NL ETILGVKI NETGKI I VDASEATSVPHI YAI GDI TEGRPIGLENTDI EVID GVISVNDVYQTKNAHI YAI GDI TEGRPU GLENTDI EVID GVISVNDVYQTKNAHI YAI GDVIGGLQL GLENINVYTQRGFIPVVTDADGNVVPNLFCI GDANGKLMLDLEKADVELSENGYI KVDDDLKTTAQNI WALGDVRGGQQL HPEKGGI ETDERGWI KVNDHLETTCSNVWAFGDANGQYL
UniRef90_S7VYY3 UniRef90_C7XN33 UniRef90_E6QSU2 UniRef90_F8A554	L A P E A A G V N I T K H G Y I D V D A S L R T S N K R I WS A G D A A G L P K L G L E N T S I Q L G K F G E I L V D D Y L K T D A P N V W A V G D V K G G P Q L G L E K I G I E V D A E G F I P T S A Y L E T C V S G V Y A V G D V K R S A M L A L I A A G V A T D R R G F V V V D E N Q R T T N P R V F A A G D V S G V P Q
UniRef90_A0A024HY21 UniRef90_W9B7T2 UniRef90_F8A3L4 UniRef90_K9Z154	L D A E L A G V T V R D G S V M V D E Y Q R T T A R G V Y A L G D V S S D Y Q L G F E E Q G I T L D R G F V I T D E K L H T G V A N I WA V G D I V P G L Q L N L E K V G V E Y D L K K G V K I N D Y L Q T T N P R I F A A G D V C L G E K L D L A A G G V D V D E R G F V V V D E L L R T S A E R V W A V G D V N G G Q Q
UniRef90_U1MU18 UniRef90_UPl000464B683 UniRef90_R4XPZ4 UniRef90_G6XHU7 UniRef90_E4PU52	L DL DA A GV R T DA R G F V K V D D R L A T S A P R T WA V G D V A G S P Q L GL E Q T R V K V E K T H I V T D G L G R T A E P G V Y A I G D V A G A P W L G L E G T G V K V E R T H I V T D G F C R T G E P G I Y A I G D V A G A P W F K N L D I K K D K N G F V L V D D L M K T N F N N I Y A I G D I T G L T L
UniRef90_UPI00047D816D UniRef90_L0JLG8 UniRef90_M5DH34 UniRef90_UPI000262927E	L GL L S L Q L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L N L L S L L L L
UniRef90_A3SIQ4 UniRef90_U3TEQ7 UniRef90_U2RS06 UniRef90_M5T966	L DL D K A G I E T A K A G I K V D A S L K T S N R R V Y A I G D V A G G L Q V G L E R L G V K L D K A G Y I Q V D E T L E T G V P G V Y A S G D V T G P P L L N L E A A G L A N D R G R I I V N D K M E T S V P G V Y A I G D C F G K A Q L N L E G V G V D Y D K K G V K V N D H L Q T T N P K I Y A A G D I C S Q Y Q
UniRef90_A6GLK6 UniRef90_G2J4W1 UniRef90_W5WPC4 UniRef90_U2B5D8	YGAEELGLALRPDGSLETDQYLATRLPNIYAVGDVTGPHQ
UniRef90_Q17745 UniRef90_A6LL85 UniRef90_UPI00036C151F UniRef90_W4URT6 UniRef90_K9YN60	CRLYVAGVKTNVQGNLIVNDQÜŘTNTPHI WALGTINEGFP
UniRef90_R7MA49 UniRef90_C5CDS1 UniRef90_E1K001 UniRef90_UP100035CA4B7	IDGVSYIGDEAGEIQ GLEDTELV ENGKITTNKDFETKWPNVYALGDVRGALM LDLEAAGVTHTKRGI TVSPYLQTANPDIYAAGDCLDAPY LNLAAVGVKW RHRHLVVNERLQTTNRRIYACGDVIGGYD
UniRef90_K6VPM7 UniRef90_R5H2Q7 UniRef90_T0PQN8 UniRef90_UPI00035D7A0A	LNLSSVGLDLDDEGRVVCDRHGRTSAERVWTFGDVSSPYQ K LEGVAYLGDMYGSVQ IGLEKVGVKALPNGKFETVNEA TNVPHI HAVGDVQGKPE YGVEELGIAVSPRLTLETNQFQQTNYPNIFAVGDVAGPYQ
UniRef90_Q21EH1 UniRef90_A6GLK5 UniRef90_W1RW50 UniRef90_A8TKB3	F G L E N I G V A I S E Q G K L L V D R F L R T S I P T V Y A C G D V I G P Y Q Y G L E K L G I E T N R T V T N E Y L E T L Y P N I F A A G D V A G P Y Q Y G L E N L G I E T K R T I V T N D Y L E T L F P N I F A A G D V A G P Y Q L D L D R A G I E T D K R G R L V V D A R L R T S N R R V F A V G D A A G G P Q
UniRef90_C7LYG4 UniRef90_M4ZUH1 UniRef90_K0V7D1 UniRef90_Q6AFG3 UniRef90_W6LRJ7	LEVRAGGLTCHDRGTIDVDDTMATNVEGVWAIGDIANNYQ LRLDRAGVETTNTGAIVVDDHRRTSAPHIFAVGDVTGGPQ LGFEEAGITLDR GFVLTDERLRTSVPGVYAVGDIVPGLQ YGLQELGIP APRTVETNEYLQTIYPNIYAAGDVAGPFQ
UniRef90_A0A010NFW0 UniRef90_U5QFN2 UniRef90_L8H6Y8 UniRef90_E6S609	F G F E D A G I T L D R G F V I T D E R L H T G V G N I F A I G D I V P G L Q L D L E A A G V D Y D R E G V K V D D F L R T T N P R I Y A C G D V C L A Q K L N L A A A G L T A D A R G R L R V N E H Y Q T A V P H I Y A A G D V I G F P S V G L G S V G V A A D A R V A P T D E W C R V A P G V W A V G D I T G K G A
UniRef90_UPI00031DB26F UniRef90_U4UHP6 UniRef90_G2FDL9 UniRef90_K8GT24	I NAFAAGI NI DEH GEI PVDQQMRTNVPNI YAI GEVULYGPM
UniRef90_F0F1L5 UniRef90_S9PXX1 UniRef90_F5RD78 UniRef90_A00011RNB7	L GL E SI S V E L D R R G F I Q V D E Y D G Q P V P H L Y A I G D A T G K M M I GL E N I K I E R D A R G V P I A D P Y T M Q S V P H I F I A G D A S N Q L P L R L D R A G V K T L P S G H V V A D E Y Q R T N V P S V L S L G D V V G K I E L G L E N T S V T L G T N G V P E F D R T M Q C G S T H I F I A G D A N N D L P L G L Q N T S V K Y T E K G I V V N S H Y Q T S E S H I Y A I G D C I D T M Q L A L E A A G V A A N A Q G A I V I D K G M R T S T P H I Y A A G D C T D Q P Q
UniRef90_L8SMG7 UniRef90_J2ZA28 UniRef90_UPI00041C8AC8 UniRef90_D3SUX0 UniRef90_I3ZMM7	LALEAAGVAANAQGAIVIDKGMRTSTPHIYAAGDCTDQPQWNVSAADIETDEKGFVKTDEYLRTSVDGVYAMGDLAGNYMLGVELDDKNRPKNLDKHTGQLGDVYLVGDANANIPLDLEKTGVETDDSGHIEVDEQLATTADDIWALGDVLANEPLDLEKTGVETDDSGHIEVDEQLATTADDIWALGDVLANEPLQLGNIGVDSDARGRIPVDKDYRTKCASVFAVGDVLGFPS

	330 340 350 360
UniRef90_UPI00035D5E37	FTHAADEMARSVVKNAUE KGRAKHSSUIIPWSTYTSPEUL
UniRef90_S4E3H9	LTPVATFEGNHVVRNISEENMT PISYPSIPTIVYASPKILKHVANREAAVVKHNLLHPDDLRAVSHELVPSAVFTVPQMFTHLSFNDFHIVRDNLAGANRTTTG RQVPSCTFLDPEL
UniRef90_I4BD73 UniRef90_UPI00047E5125	FTHI SENDEHI VRDNLAGANRTTTG ROVPSCTFIDPEL
UniRef90_UPI00031E262B	ILIAIVIKAII IKQGKIVIAAEA III IAGENPEADILIT FILIPFII IAHT NPPII I
UniRef90_A0A014MHU1 UniRef90_UPI000366B27D	LAHVAYRHAVVAVSTITGKGEKYN DKTVPA <mark>CV</mark> YTHPEI FTHLGGTQGGAA ATDALLGVRRPVDYRAVPWVTYTDPEI
UniRef90_M1FB56	FTHAAAHQAWYASIVINAFGQFKRFKIVIDYRIVIMPWIVITFTSPEIVI
UniRef90_UPI000288223C	LAHSASYEGIAAVDHIVGQK PHHYPPHQIPR <mark>C</mark> TYARPES LKHVANREAQTVQHNLLHPEAPVRTDHRYVPHAVFSAPMI
UniRef90_UPI000348ACEE UniRef90_K9QJL6	FTHAADAAARII VIIKNTILIFSPFRAKILISSILIIMPWIVITYTSPEIII
UniRef90_W2UBV7	II IA H K A S H F A II I I <mark>C</mark> IVIF K II IA GIVID GIVIK PII IN K A QIVIP G <mark>C</mark> T Y <mark>C</mark> R P QII I
UniRef90_Q0G2J9 UniRef90_A0A011R2Y0	L T PVS S H D A K V V V G N L L D G N T H K P D Y R G V P S V A F S L P P I F T H T A A H Q A W Y A A V N A L F D P F K K F K D Y S V I P W A T F I E P E V
UniRef90_B6B0C6	FTHVAGYQAGVII RSALFGLPAKQSTKHIPWATYTDPEL
UniRef90_UPI00037238BB UniRef90_H3GE36	FTYTSLDDFRIVFGKLTGNGDYKRSDRGQVPTTVFIEPAL LASTSMEQGRLA <u>SVHMR</u> TSKPTRM <u>R</u> SGE <u>VF</u> PFGLYTVPEI
UniRef90_UPI0002E4710B	ILIA H A A S A Q GII LITIVIE TII <mark>C</mark> G D P R TII IN Y M SII IP A A A F T H P E IVI
UniRef90_W7AWL7 UniRef90_UPI000318F8E2	LAHKASYEAKVAAEA TAGEKVENDYTVLPAVVFSDPEL FTHAADAAARI VIKNTLFSPFRYKLSSLVMPWVTYTDPEI
UniRef90_L8JHK4	L T
UniRef90_M7PNI1 UniRef90_X5JGX4	LASASMEQGRRAT <mark>C</mark> NILGLETAQFSHLI PAGIYSIPEL F <u>T</u> HAAD <u>A</u> AARIVIKNTLFSPFRY <u>K</u> LSG <u>LVM</u> PWVTFTD <u>P</u> EL
UniRef90_UPI000388FBEB	FILIT P T AILIA A G KILLIA Q RILIF G Q S S FILIM D Y D NIVIP T TIVIF T PILIF Y
UniRef90_W4QIE7 UniRef90_I1HLK9	LAHVASHEGIIAVDH IAGKKVEPLPYDHVPACIYSSPEM LAHAASAQGISVIEQIS GRDHILNHLSIPAACFTHPEI
UniRef90_A2RNK4	FYYILISTDDFRII VINNQILIFGDHSRKILISDRKILVIPYSIVIFII ISPTILI
UniRef90_Q12V54 UniRef90_S7VYY3	FKHVGNYESTLVYENALLNEG TKIDYNAVPYALFSYPEI FSHVAGVSGSVAGTN_ALLGLRRTFNEHVVPRVTFTSPEL
UniRef90_C7XN33	F T Y V S L D D F R I V F P Q I G E N N G R K L S D R I L I P T S T F L D P P Y
UniRef90_E6QSU2 UniRef90 F8A554	A S P M T A S IV IA Q Y IV IA A T N A M K G N G IL IR A N Y F K IV IP Y M II I <mark>H</mark> S A IL IE M
UniRef90_A0A024HY21	LISSIVIA Y K S A DIL TT N HIT VIN K K A Q PIL IN Y RIV I P A CIVIY G P K D F
UniRef90_W9B7T2 UniRef90_F8A3L4	L K H V A N H E M R V V R H N W D D T A A M V A S D H R F V P S A V F T D P Q M L A H R G F A Q G I F V A E Q I C G L N P A P I V E S G I P R V T Y S E P E V
UniRef90_F8A3L4 UniRef90_K9Z154	F T H T A D A A A R II V I IK N T II IF S P F K A K F S D II I I I IP R IV IT Y T D P F IV I
UniRef90_U1MU18 UniRef90_UPI000464B683	LTPISLDDHRI VAAQLTGAGGRRRDDRVAVPTTIFTTPPL FTHVSLDDYRI VKANITGADRRTTG RLVPWNVFTTPEL
UniRef90_R4XPZ4	ILIA H K A S H E AIV L I <mark>CI</mark> VIE AII IA GIL IPIVIH AIL ID PIL IRII I P A <mark>C T Y S H P QIVI</mark>
UniRef90_G6XHU7 UniRef90_E4PU52	LAHKASHEG IL <mark>C</mark> VEKIAGRSPQ <u>PLHPLNI</u> PG <mark>C</mark> TYSRPQV LSSVAYKTGDI <u>V</u> ARNILKYN <u>D</u> SE <u>KFY</u> KNLVPWAIYLNPEI
UniRef90_UPI00047D816D	L A S I A A M Q G R I A M A H L L G D A V K P L K L K Q V A S N I F T A P E I
UniRef90_L0JLG8 UniRef90_M5DH34	LKHNANHEARAVARNLEGEALD PVDYSAMPFAVFGSPEV ETHVA <u>AH</u> QGWYAAVNALFGA <u>K</u> RFK <u>VD</u> YS <u>VI</u> PWT <u>T</u> FT <u>S</u> PEV
UniRef90_UPI000262927E	L A S T S L Q A R I A T L <mark>H</mark> A F G Q L E N E R I P R E L P Y G I W T I P A V
UniRef90_A3SIQ4 UniRef90_U3TEQ7	FTHVAGYHAGIVI RSALFGLPAKTRTDHIPYATYTDPEI LAHRAFLQAVVAAERAAG DSTAAFDAKAVPAVVYTDPEL
UniRef90_U2RS06	LAHTASAMGEVAAENIM GIPAVYDEKTNPT <mark>C</mark> VYMEPEA
UniRef90_M5T966	FTHVADFMARIVIQNALYPFGKKKMSDLVIPWATYTTPEI LTPVALAEGRALAENEFNGK DLTVDHTSVPTATFTSPPL
UniRef90_A6GLK6 UniRef90_G2J4W1	L
UniRef90_W5WPC4 UniRef90_U2B5D8	FTY SFDDHR <u>VILS</u> DRWGDGSRTTSGR F
UniRef90_Q17745	E L T P V A I Q A G R V L M R R I F D G A N E L T E Y D Q I P T T V F T P L E Y
UniRef90_A6LL85	LAHVAMYEGIIAAHNIA GKELEMDYSAVPALIFSTPEI FTHTAAHQAWYASVNALFAPFRKFRDYSVVPWSTFVDPEV
UniRef90_UPI00036C151F UniRef90_W4URT6	LSPLLQDDVRI VCDQLFGERTRSANDRSPTPYTLAIDPPF FTHTADAMARI VIKNTLFSPFKSKFSDLVIPWVTFTDPEI
UniRef90_K9YN60 UniRef90_R7MA49	FTHTADAMARI VIKNTLFSPFKSKFSDL VI PWVTFTDPEI LAHYAIKQAIEKTENI PYRK DLI PSVVYGEPEI
UniRef90_C5CDS1	LAHVASAEGIALAEKLSGKDYDYYSETVPAVIFCE ALTPTADLESKTAGHNMLTGNTLPIDRRGTPSVLFTQPPL
UniRef90_E1K001 UniRef90_UPI00035CA4B7	ALTPTADLESKTAGHNMLTGNTLPIDRRGTPSVLFTQPPL CAHIANYEARIALKNALFFP RHKVNYRFIPWGINSAPMF
UniRef90_K6VPM7	II IK HIVIA N H E G RIV VIQ A N G W D A A DII ID A E D H R E IVIP A A IVIE T H P QII I
UniRef90_R5H2Q7 UniRef90_T0PQN8	LAHFAIKQAVSYVDGISFEET LVPSVVYGSPEILTPVALRAGEHLVRRLFKPNYTKTMNYDLIPTTVFTPVEY
UniRef90_UPI00035D7A0A	FTHTAAHQAWYAAIVINAFGHII IKKFRTDYSIVI IPWSTFTDPEILI
UniRef90_Q21EH1 UniRef90_A6GLK5	FTHAASHQAWYASVNALFGGFKSFVDYSALPWVTFTDPEI FTHVAAHQAWYASVNAFGHLKKFKADYSVIPWTTFTDPEV
UniRef90_W1RW50	FTHVAAHOAWYAAVNAFGTVKKFRVDYRVIPWATFVDPFV
UniRef90_A8TKB3 UniRef90_C7LYG4	FTHVAGAHAGVVIKN TLFRLPAKADHSGVPRVTYSAPEL
UniRef90_M4ZUH1	FTHVAGAHAGVVIKN TLFRLPAKADHSGVPRVTYSAPELLAHKAYLEAKVAAEAAS GHPSGFDARVIPAVVFAEPEALKHLANAEAKVAFWNLAHSDQPRRQSYKAVPSAVFSNPQVFTYLSLDDYRLVADQSGLAEPRRASQRTAVPVCLFLAPPLLAHRGFQQGLFVAE
UniRef90_K0V7D1 UniRef90_Q6AFG3	FTYLISLIDDYRI VADQSGIAEPRRASQRTAVPVCLFLAPPL
UniRef90_W6LRJ7	FIRIAARUAWYAANNAHEDPEKKEKDYSIVIPWSIENDPEN
UniRef90_A0A010NFW0 UniRef90_U5QFN2	LAHRGYQQGTFVAE ETAGNNPVVVEDTNI PKVTYCEPET FTHLADATARIATQNALFLG RQRLSRLVIPRCTYTDPQV
UniRef90_L8H6Y8	II IA S S S MIL IQ G RIL IAIVI <mark>C H M W G Q Q C A RIVIQ P - SIL I IP Y GIL IY SIL IP FI</mark> L I
UniRef90_E6S609	FTHVSMYQAAIVV RDVLGEAGPPADYRAVPRVTFTDPEV LLHEAADEGRLAGDNAGRFPDLKSGMRRSPLSVVFCDPQL
UniRef90_UPI00031DB26F UniRef90_U4UHP6	DQT PVATQAGRLLS RRLFGGSRETVDYENIPTTIFTPLEY
UniRef90_G2FDL9	LAHKATHEAKVAAE VIAGLPAQFDAMTIIPSVAYTDPEV
UniRef90_K8GT24 UniRef90_F0F1L5	LAHAASAQGIAVVETIC GRPRTVDYHSIPAAAFTHPEILLHEAADQGKIAGENAGRFPNIREGLRRSMIGVVFTNPQILTPVAIAAGRRLSDRLFGGVKDAHLDYVNVPSVVFAHPEV
UniRef90_S9PXX1	LIPVALA A GRRUS DRUF G GVK DA HUDY VNVPSV VF A HPEV
UniRef90_F5RD78 UniRef90_A0A011RNB7	L L H E A A D E G R I A G E N A V R F P A V Q P G L R R E P I A V V F S D P Q L L A H V A M K E G E L A V E H I V K N T S E P L A Y H N V P R C T Y T S P E I F V Y V A A A A G T R A A I N M T G G D A A L D L T A M P A V V F T D P Q V
UniRef90_L8SMG7	FVYVAAAAAGTRAALNMT GGDAALDLTAMPAVVFTDPQV FKHSGDNEAKYVVENAVR GNERPVEYPGMAHAIFGSPQV
UniRef90_J2ZA28 UniRef90_UPI00041C8AC8	II I I I I I I I I I I I I I I I I I I
UniRef90_D3SUX0	<u>Y</u> KH <u>A</u> ADYETR <u>V</u> TAN <u> VL</u> DDAGE <u>E V</u> DYHAMPHA FT <u>S</u> PQ V
UniRef90_I3ZMM7	L A S V S M E Q G R L S A A R A F G D E S L L S N P S F Y P Y G L W T L P E I I

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Jniref90_L8H6Y8 Jniref90_E6S609 Jniref90_UP100031DB26F Jniref90_UP100031DB26F Jniref90_G2FDL9 A MV G Q S W G E L K G Q E N V V V G K L S F E G Q G R S R V I L K N K G G G S E I E V Y H S F Y K P P E Y S V S K K S T S N G F V G H S E E E A H Q R Y G G S E I E V Y H S F Y K P P E Y S V S K K S T S N G F V G H S E E E A H Q R Y G G S E I E V Y H S F Y K P P E Y S V S K K S T S N G F V G M T E P L A Q E K A S A E G F E V A R T Y F K G N A K A L A E G E T E G G G S G I E V S F K N Q G R S R V M L V N Q G S I I E V S F K N Q G R S R V M L V N Q G S I I E V S F K N Q G R S R V M L V N Q G S I I E V S F K N Q G R S R V M L V N Q G S I I I G L T E Q E A I D K Y G E N Q L K V Y N S T F R G L N Y A L V D E E N K V I I K V I I I I I I I I I I I I I I	UniRef90_A0A010NFW0	MSVGYTQPAAEEKYGKDQIELTEYNLAGNGKSSILGTGGL
A T V G L T E A Q A R D Q G V E V R T G F T A L G S T T R G W H G V G G D G D G D G D G D G D G D G D G	UniRef90_U5QFN2 UniRef90_L8H6Y8	A S V G L P Y Q E A L E Q G Y A L Q T L R V P L E E A D R A L T D G E V A G S M V G Q T E H E L T K N N L P Y E Y G L A R Y S E L A K G M M M L G D F T G G
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JniRef90_G2FDL9 A WMGLTETEAKAKGIE YEKGAFPWAASGRALGIGRDEG JniRef90_K8GT24 GFVGMTEPLAQEKASAEGFEVARTYFKGNAKALAEGETEG JniRef90_F0F1L5 ASVGNRFATLQQQFGAEHVAVGEVSFKNQGRSRVMLVNQG JniRef90_S9PXX1 GTIGLTEQEALDKYGENQLKVYNSTFRGLNYALVDQ JniRef90_F5RD78 ATVGKRFADLAPDSFVTGEVSFEDQGRSRVMLRNKG JniRef90_A0A011RNB7 ASVGYLRETVPE JniRef90_L8SMG7 ATVGYSEAEAHHDGIETDSRTLTLDNVP JniRef90_J2ZA28 ASLGQNEGDLDEGVDYEVGTCAYDDTALGVA JniRef90_D3SUX0 ASVGQTEGALEERGVDYEVGTCAYDDTALGVA JniRef90_D3SUX0 ASVGQTEGALEERGLEYQSANIPFGTAPL JniRef90_B3ZMM7 SFLGKTEEDLTEFDVPYFVGVAYYRELARGOLEGGNEGTG	UniRef90_UPI00031DB26F UniRef90_U4UHP6	A MIV IS Q S W G E IL IK G Q E N IV V V IG K IL IS F E G Q G R S R IV I L IK N K G G F V IG K IL IS F E G Q G R S R IV I L IK N K G G F V IG K IL IS F E G Q G R S R IV I L IK N K G G F V IG K IL IS F E G Q G R S R IV I L IK N K G G F V IG K IL IS F E G Q G R S R IV I L IK N K G G F V IG K IL IS F E G Q G R S R IV I L IK N K G G F V IG K IL IS F E G Q G R S R IV I L IK N K G G F V I L IV I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F V I L IX N K G F
JniRef90_F0F1L5 JniRef90_F0F1L5 JniRef90_F0F1L5 JniRef90_S9PXX1 JniRef90_F5RD78 A T V G	UniRef90_G2FDL9	A WMGLTETEAKAKGLE YEKGAFPWAASGRAL GLGRDEG
JniRef90_S9PXX1 G T I GLT E Q E A I D K Y G E N Q I K V Y N S T F R GL N Y A L V D E E N K V JniRef90_F5RD78 A T V G K R F A D L A P D S F V T G E V S F E D Q G R S R V M L R N K G JniRef90_A0A011RNB7 A S V G Y L R E T V P E G R R V K L G T F S F G S N G K A L L N G N A E G JniRef90_J2ZA28 A S L G Q N E G D L D E G V D Y E V G T C A Y D D T A L G V A L R N E G JniRef90_UP100041C8AC8 V N V G M T Q Q E I E D D P D L E Y V L G K V S F D N Q G R S R L M G V N C G JniRef90_D3SUX0 A S V G Q T E G A L E E R G L E Y Q S A N I P F G T A P L G M L D A D JniRef90_13ZMM7 S F L G K T E E O I T F F D V P Y F V G V A Y Y R F L A R G O I R G D T T G	UniRef90_F0F1L5	ASVGNRFATLQQQFGAEHVAVGEVSFKNQGRSRVMLVNQG
JniRef90_A0A011RNB7 A S V G Y I R E T V P E G R R V K I G T F S F G S N G K A I I N G N A E G JniRef90_L8SMG7 A T V G Y S E A E A H H D G I E T D S R T L T L D N V P R A L A N F D T R G JniRef90_J2ZA28 A S L G Q N E G D L D E G V D Y E V G T C A Y D D T A L G V A L R N E G JniRef90_UP100041C8AC8 V N V G M T Q Q E I E D D P D L E Y V I G K V S F D N Q G R S R I M G V N C G JniRef90_D3SUX0 A S V G Q T E G A L E E R G L E F G S N G K A I I N G N A E G JniRef90_I100041C8AC8 V N V G M T Q Q E I E D D P D L E Y V I G K V S F D N Q G R S R I M G V N C G JniRef90_I3ZMM7 S F L G K T E E O I T F F D V P Y F V G V A Y Y R F I A R G O I R G D T T G	UniRef90_S9PXX1 UniRef90_F5RD78	GTI GLTEQEALDKYGENQI KVYNSTFRGLNYAL VDEENKV ATVG KREADI APDSEVTGEVSFEDOGRSRV MI PNKG
JNIRET9U_L85MG/	UniRef90_A0A011RNB7	A S V G Y L R E T V P E G R R V K L G T F S F G S N G K A L L N G N A E G
UNIRE190_UP100041C8AC8 VNVGMTQQEIEDDPDLEYVIGKVSFDNQGRSRIMGVNCG UniRe190_D3SUX0 ASVGQTEGALEERGLEYQSANIPFGTAPLI GMILDAD UniRe190_13ZMM7 SFLGKTEEQITEF DVPYFVGVAYYRFILARGQIRGDTTG	UniRef90_L8SMG7 UniRef90_J2ZA28	A I I V IG Y S E A E A H H D G I I E T D S R T L T L D N IV P R A L A N F D T R G A S L I G Q N E G D L D E G V D Y E V I G T C A Y D D T A I I I G V I A I I I R N F G
JIIIKEIBU_DSSOAU ASIVIG QIEGAILIEEK GILIEY QSANII IPFGIAPILI GMILLIDAD JNIREF90 13ZMM7 SFILIGKTEEOII TFF DIVIPY FIVIGIVIAY YRFILIAR GOII R GDTTG	UniRef90_UPI00041C8AC8	VNVGMTQQEI EDDPDLEYVV IGKVSFDNQGRSRLMGVNCG
	UniRef90_D3SUX0 UniRef90_I3ZMM7	A S V G Q E E R G E E R G C A P F G G A P C G M E D A D A B C C A C C C C C C C

	410 420 _ 430 <u>44</u> 0
UniRef90_UPI00035D5E37 UniRef90_S4E3H9	FIKVHVKKGTDQI VGATI VSTHAGDLI GAVSI AMTHKI GL AKVKL VYNEENLL VGA <mark>C</mark> TLSGQADELI NFLSI AIDKKI SN
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UniRef90_F8A3L4	I AKVI GERGTGRI L GAHI L GYQASSI I QPL QAMSLGQPAVKLV RQKDGPVVGVHMI GARVGEL I GESQLI VNWEAYPFVKI YHQKNSDKI L GATI VASHAGEMI SEI T L AMVNNI GLI VKLVVDAETDL VL GAAL HCVDAQEVVNLVALAMRAGATAVWKAVVDRDSDRI L GVAL L GPDASEVL TVVQTAMLTGAPYL VKTVFDAKTGEL L GAHI I HPEASEL I AGYGVAAALEATEMVKTVFDAATGEL L GAHMI GAEVTEMI QGYVI TRTAELTEFI KFLI DKQTDQI L GCFMMI ETANLL I NQI ALFMQQKL TF
UniRef90_K9Z154 UniRef90_U1MU18	F
UniRef90_UPI000464B683 UniRef90_R4XPZ4	V W K A V V D R D S D R I L G V A L L G P D A S E V L T V V Q T A M L T G A P Y L V K T V F D A K T G E L L G A H L I H P E A S E L I A G Y G V A A A L E A T E M V K T V F D A A T G E L L G A H M L G A E V T E M I Q G Y V I T R T A E L T E
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UniRef90_L0JLG8 UniRef90_M5DH34	FVKPIIDLE GEILG <mark>C</mark> HIVGPEASNLIQEVVVAMTAGGTV FVKVLSVPGKDRILGVTIVGDHASDLLAEFVLAMKHGLGL
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UniRef90_A3SIQ4 UniRef90_U3TEQ7	
UniRef90_U2RS06 UniRef90_M5T966	EVK I I A D A K Y E E V L G M H I I G P R A T D L I A E G A L A L R E A T V F V K V H T K K G T D T I V G A T L V A E N A G D M I S E M T V A L T H G L G L
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UniRef90_UPI00036C151F UniRef90_W4URT6	FVKVLTVPGKDRILGVTIVGEHAGDLIAEYVIAMRHGLGL LKAIINHQNGRIMGCTLFCANAPEMINIVAMAMKKEQHY FVKIIHSKGSDKILGATIVASHAGEMISEITAAMVNGVGL
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UniRef90_C5CDS1 UniRef90_E1K001	FVKLIANKSDHKI VGITI VGPNAVELLMEGVVVINEQLTV YSKILTAPDTGRILGAHILGHDAEEIINAIALAMRNNLPA
UniRef90_UPI00035CA4B7	MCKLIVR QNGEILGASILGAQARELINVITLAMTKKIKI
UniRef90_K6VPM7 UniRef90_R5H2Q7	F V K V L T V P G K D R I L G V T I V G E H A G D L I A E Y V I A M R H G L G L L K A I I N H Q N G R I M G C T L F C A N A P E M I N I V A M A M K K E Q H Y F V K I I H S K G S D K I L G A T I V V A S K E A S L L Q Q I L I A M Q N N I T I F I K L L T Q E D K I V G A H I V S K E A S L L Q Q I L I A M Q N N I T I F V K L I A N K S D H K I V G I T I V G P N A V E L L M E G V V V I N E Q L T V Y S K I L T A P D T G R I L G A H I L G H D A E E I I N A I A L A M R N N L P A M C K L I V R Q N G E I L G A S I L G A Q A R E L I N V I T L A M T K K I K I F C K L I A E R R S G R L L G C H I L G P Q A P T V I Q P V I Q A M S F G L D A F C K L I A E R R S G R L L G C H I L G P Q A P T V I Q P V I Q A M S F G L D A F I K I L S Q Y D R I V G A H I V S K E A S A M I Q Q V L I A I Q N N I S V S A Q V C Q K S A N E K V L G F H F V G P N A G E V T Q G F A V A V T M G A T K F V K V L T V P G K D K I L G V T I V G E H A G D L L A E F V L A M K H N L G L F V K V L T V P G K D K I L G V T I V G E H A G D L L A E F V L A M K H G L G L F V K V L T V P G K D K I L G V T I V G E H A G D L L A E F V L A M K Y G L G L F V K V L T V P G K D K I L G V T I V G E H A G D L L A E F V L A M K Y G L G L G F T K A L L A P N G R I L G A T V V G E A A G E L I S V W G L A I A Q R L K I E V K V I T A R A D G E V V G V W I V G A D A S N L I S E A A L A I E M G A T L F A K V I V N T E T G L I G A H I L G A A H E V I N I V T L A M R H G I T A G S V K V V R V N D G P V V G V H M I G A R V G E L I G E A Q L A V N W E A Y P
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UniRef90_Q21EH1	FVKVLTEEGKDRILGAVIVGSHGGEMITEFVSAIKHGKGL VVKVLTVPGKDKILGVTIAGVHAGDLLAEFVLAMKHGLGL
UniRef90_A6GLK5 UniRef90_W1RW50	FVKVLTVPGKDTI LGVTI VGEHAGDL LAEFVLAMKHGLGL FVKVLTVPGKDTI LGVTI VGEHAGDL LAEFVLAMKYGLGL
UniRef90_A8TKB3 UniRef90_C7LYG4	G F T K A L L A P N G R I L G A T IV V G E A A G E L I I S V W G L A I A Q R L K I I E V K V I A R A D G E V V G V W I V G A D A S N L I S E A A L A I E M G A T L
UniRef90_M4ZUH1 UniRef90_K0V7D1	FAKVIVNTETGLIIGAHIIGPQAATLIQPIIQAMELDTPA
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UniRef90_F0F1L5	HURVYAEKATGRILLGAEMVGPAAEHLAHLLAWAHQUQLTV
UniRef90_S9PXX1 UniRef90_F5RD78	L L H V Y A E K G S G R L L G C E M M G P D V E H L A H L L A W A M Q S G M T V
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UniRef90_K0V7D1	UniRef90_C7LYG4	D D I I A I L I T I I I H P H P T I L I S E M I L I
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UniRef90_F5RD78		PQMLIDLAFYHPVIEEGLRT ADFDNCVAITHPTSAFFIVITI
UniRef90_L8SMG7	UniRef90_F5RD78	Q R A L E M P F Y H P V V E E G L R T
UniRef90_J2ZA28	UniRef90_A0A011RNB7 UniRef90_L8SMG7	Q F I A D Q I F P Y I T MV F G I
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UniRef90_E3ZGH0 UniRef90_F2U0W6 UniRef90_X5SG61	DLMAFKETFVEDVPEQRLQSFQDAGLETFFGKARFNSKDS DLVERLHKTLDHEVEVLQHQFMRNAVKSVRAMAKFVGPNK	
UniRef90_M4NFY3 UniRef90_A0C460 UniRef90_Q115D3	DMI A F K R S F T D L M S G R L E A G M Q R A G V V P L H G Q A R F T G P N T V L V E N V Q N H L K G L N Y G Y K G N L Q K S G I L Y L N E L A T F K D N H T F Q E A K K Y A V N N Q L A K Y E P E V L A T L G I D V I F G E G K F V D R P K	
UniRef90_D8FXT9 UniRef90_V9WDU9 UniRef90_Z5GVA6 UniRef90_Q46LY3	VA E LA LE F DI A KL WINS PAALA TAGV DI I V G K G E FI I K P D E D K A R L H M T L D H E V D V L E H Q F N R N H V E V L P G L A R F V G P N E V L L A N R K E V Q R L N E L H E N F L N K A N V E L F K G W G E F R N S N C	
UniRef90_UPI0002F182C5 UniRef90_B4ULN9 UniRef90_UPI00035E3F86	AVMARIKGVIAALEPNRYTGLGVDMELGHARILDPWTVEL AVMDRKDAVVARWREGVRQRLEAAAPRLRLVHGPARFVAP ERLLAQQQVTLRKTKYQDVLDAQSALTAVRGEARFHDAAV	1
UniRef90_B8MZ48 UniRef90_UPI0002626F3B UniRef90_G4QEY5	H F K E L R D A T V K R L N G A Y E R N W G R E G I D L V H G R A R F V E P K V Q V M R R V H Q V I A E I E P H D S V E R Y T S E V I Q G Y A K M V D P W T V E K V M O R V H E V I A E I A P H R Y T E I G V E V I K G Y A V E V D P W T V E I I]
UniRef90_K4KEW0 UniRef90_A0A038GUZ5 UniRef90_T1HQM1	EVLAEASRVI PRYVDLHTDYYIRNRATI HMGEASFVDANTRLLAQQQARVDELRHAKYENI LDTSPNI NVLHGKARFTGSRLIEAVQNHVKSVNWVTRVMLREKNI DYLNGRGYFVDPNT	
UniRef90_A2SIU0 UniRef90_R0G5U5 UniRef90_D7G9I3	T MVA R S R S VA A HLT K G VA Y L M K K N K I T V V E G R A R L A G R G R	1
UniRef90_UPI0002F2DBB3 UniRef90_K1VRB9 UniRef90_UPI0001E89DF8 UniRef90_UPI0002490137	A V M Q R V H D V I K A I A P H R Y T G L G V E V L Q G Y G K L V N P W T V E V T I A N H A E N I V T K L R S D L T N S L K R L K V D T F H G W G K V A G P Q K V M K K V K E A I D H I Q V H D H A D R F R K L G V D V Y I G M G A F H T K N Q M M A Y K H Q V I D P L S V Q M G M L F K Q M G I D I L M G H G S L L D G H	
UniRef90_S3G6Q7 UniRef90_E0TIZ3 UniRef90_UPI00046EFF14 UniRef90_A6WEZ2	KIFEKKNKIILKINKGIMNLFIKNNISYFYGTASFLKSDK EVMDRVKHERDRFVGFVLESVDDIPAADKVGGYARFIDDH RVNERVKALAAAQSGDVRARLEKEGVRLLSGRGALDGPQA	
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UniRef90_UPI00037A37D5 UniRef90_D8SFR3 UniRef90_Q3YRU8	ALNNRVIALASEQSRDLREQLNHLGVEVITGRARFAANQS RY KIMSFKDKNIAELGSGISQLFSSYKIDYLCGAGKIKSVGS	
UniRef90_R1GF16 UniRef90_B9L3L6 UniRef90_UPl000479342E	ALAWRDFMVSAYDDKGQQAWADGAGITVLRGEGRLAGPHTAHVAQKQDLIAALRREKYEELVDYY GWELLHGTARFVDPQTVRWKDAIVAKLTTGVAALLKKHGVQVVKGWARIIDGKTAISKRMWDQIDFSKSIENSLKDVPNLTVYKGIGAFTGPNS	
UniRef90_G4L1N1 UniRef90_X1AMM4 UniRef90_H6RT70		
UniRef90_L8DJA5 UniRef90_F8AY28 UniRef90_E1K000 UniRef90_E5XPT5	DL LARTQHVIGKE EVVRSQLLRNRIEL ITGVGKFLDAHTRVHARVRGLAAAQSRDIETRLEKEAVRVHARGRLVGPHAALVRRRIEAVIAAIQQHDSPERFRGLGAEVRFGEARFLDDDDLFARTAQVIGREVEVVRSQLLRNRVEIFPGTASFVDEHTRLLAQQQARVDELRHAKYESILESNPSINLVRGSARFKDGAIQRRKRDVVNAVRSATDSALIEAGVDVLLGEASFAAAGV	
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UniRef90_T0R096 UniRef90_T0JQN1 UniRef90_Q5WF73	KLITSVQDYIHGLNFKYRVDLRDKKVKYENFLGTFKDAHN KIFKENNEYIASVDGEYKAMLNENVELFRGIGSFVSDSIV GAQKRKQEIVDRLAQGVKALMSKGKIDVYEGRGRMLGPSI	
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UniRef90_UPI00036EBE34 UniRef90_B1ZQB9 UniRef90_I0JV82	NINLRVKQLAQAQSSDVRSRLESVGVRILAGYGSFHKVYV GVNKYKENIIAGLYKGLQGLAKAHKVTLVEGAGTLVDAN EVMDRVRRERDRFVGFVVEDVNGFDEKDKIRGHARFLSEH	I
UniRef90_J0B866 UniRef90_H5X6S3 UniRef90_D2V520	VARRIRERDRF VGFVVEDVNGFDEKDKIRGHARFLSEH VARRIREEAT DDWDDQVAVDRFTRAGGRFVRGTGRLTGPR TLVQGVLNTRSGSNFVYKGELRKRKIDFYEALGRLVDSHT	
UniRef90_UPI0003B4313B UniRef90_A3TQJ7 UniRef90_M5E0T1 UniRef90_A4BJ37	EVN A RVK DLA A A Q S R DIG E RVA EVGVRVLP G T G RLT RVE A	
UniRef90_A4BJ37 UniRef90_W7ZN66 UniRef90_D7WDU4 UniRef90_K0N582	QVQERKQSI VDRLANGVKGLMKKGKIDVYKGKGTLLGPSI ALIAGKQALVESLRGEKYADVADSYGWQVLRGDASFVGTP	
UniRef90_K0N362 UniRef90_UPI0004748165 UniRef90_F5Y0B4	VA A RIRTEATON WORFTGAGGRLVRGRGRLSGPGRVAVKPQTHRWKDSVVARLTGGVGALLKKAGVQVVRGWARLEDGKT	

	130 140 150 160
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UniRef90_S9Q622 UniRef90_L9VGY1	IVIQAG DTEILITARRIL V VIATGSSPEIVIPPILIPGILIENIVIPY ILITN
UniRef90_B9LNB0 UniRef90_R3W571	
UniRef90_I1U4M3	
UniRef90_M0QK12 UniRef90_D2R164	DAATGRYRLVTADAEVLAIGSRSIIPPDIAS GAAPFHTS DPSIPEDRTVTFDYCIVATGSFPTMPPNFNI GSDRVMDS GTVEVDGRVLNAADIII ATGSTAVLP PVAGLETVPVWTN
UniRef90_UPI00036CAA82 UniRef90_UPI0003460696	
UniRef90_UPI0003B42EDF UniRef90_A0A018R8A1	HRLIVHQCEVAFDRCLIATGARPQIPPIPGLQDTPYWISN VEGENGKTVINFDNAIIAAGSRPIQLPFIPHEDPRV WDS
UniRef90_K0I797 UniRef90_B3R9F9	HRLIVHQCEVAFDRCLIATGARPQIPPIPGLQDTPYWISNVEGENGKTVINFDNAIIAAGSRPIQLPFIPHEDPRV WDSRSLVVREQIVVFDRCLVATGASPALPPIPGLKESPYWTSTTLDVDGHTTVRASRVVIATGSTPVLPAPFQVFGD RLIVNIVSGNSR LEASHICIATGSTPRELHIP GSSLLSSS
UniRef90_C7LXA5 UniRef90_S3V2F5	IVSGNSR LEASHICI ATGSTPRELHIP GSSLLSSS KVLKVNDQLLTADRIFIAAGCRPIIPDIPGLAGTPY MTS
UniRef90_F0JBY4	
UniRef90_F6GFL3 UniRef90_E3ZGH0	
UniRef90_F2U0W6 UniRef90_X5SG61	HLKFQK <mark>C</mark> VIATGGSPRLPALAQNPEHPLILTN VSLTADNGDYSFTNALIAVGTRPHRPRDVP FDKVRVFDS
UniRef90_M4NFY3 UniRef90_A0C460	EVNGELLTARHFHLATGARPMTLN P GENLLITS LLYGKLDDFKKFKYCVISTGGRPTKLQSIEK HAITS
UniRef90_Q115D3 UniRef90_D8FXT9	LAFVVKGRHÜRSRKYLLATPSQPI I PAI PG LISTGFI TP LAFAVNGRLLKSRSFLLATPPQPAI PDI EGLLSTGYFTDS
UniRef90_V9WDU9 UniRef90_Z5GVA6	VEVATDTTRVTGEKFLIATGTRTYRPDYVPFNGKTV VDG
UniRef90_Q46LY3 UniRef90_UPI0002F182C5	VEVKDRKNGEYGERILIAVGGRPKRPSI EGASLGWTS TRHDGTTORITTRSIVIAAGAAPIVPPIPGITDHNHITSW
UniRef90_B4ULN9 UniRef90_UPI00035E3F86	REVEVAGERLAAPVVÍ VNÚGARPAVPPI P GLDR <u>VPFL</u> TS RLHDGSER <u>VIPFDR<mark>C</mark>LIATG</u> ASAAVPPI PGLEGTPYW <u>T</u> ST
UniRef90_B8MZ48	I EVANNDGTKARYTAPHILIATGGRPKLPNIKGAEHGITS LQKPDGTSQRLCSTAIILAAGAAPYVPPLPGLEEVGYLTS
UniRef90_UPI0002626F3B UniRef90_G4QEY5	SILIN D G S K Q RILIS A R NIL V LIA T G A R P FIVIP PILIP GILIF N S A YIVIT S D
UniRef90_K4KEW0 UniRef90_A0A038GUZ5	VSPDGARERLTAEHI VVATGSRPYRPSDID FGHPRVYDS HSTAGGERTVSFDRCLIATGATAAVPPIPGLKDTPYWTST
UniRef90_T1HQM1 UniRef90_A2SIU0	HLQVDGPGTVRADRMVIATGSRPRLPPEWRSALGDRLIVNLEVEGKDGKQTASNIILATGARARVLPGLQPDGESV WSY
UniRef90_R0G5U5 UniRef90_D7G9I3	IVIA T G G S A AIL IP PII IP GIL IK E A P Y IL IT N
UniRef90_UPI0002F2DBB3 UniRef90_K1VRB9	A T G D G E K T A K D L A P G S V P F V P P G H Q T V F T S
UniRef90_UPI0001E89DF8 UniRef90_UPI0002490137	EVIINSGELIYGKKI VIATGSRPFVPSIPGLKEN GFITN TVQVADQRYTATNI VLGTGQRPASLPV DGSDFIHDS
UniRef90_S3G6Q7 UniRef90_E0TIZ3	DNFYKNIKI IYGKNI I JATGSKPRKEMNI DEDEKYL I ISN
UniRef90_UPI00046EFF14 UniRef90_A6WEZ2	TIL MVD DHT QVQ A DRILVI A TGSRPSWP E A WN HLIGDRL V VN
UniRef90_I7ZAY0 UniRef90_C5ANE4	TLEVENRSRVRAKALVIATGSRASVPKTFQSVAARV LTN RLHEGGERVVAFDRCLIATGASPTIPPLPGLMDTPYWTST
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UniRef90_A0A023CKS6 UniRef90_U5VHI6	LEAGDAFEVYRFRHAII AVGASHISPPSVSVDHERI LNVD KHVEVDGQRIQ <mark>C</mark> EHLLLATGSNSVELPMLPLGGAVI SS
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UniRef90_L8DJA5 UniRef90_F8AY28	IVIEDEART VTAANVVIAT GTAPARPADVSFDDYRV LDS VE VASGEAFFGDLILIAT GASPRVLPNIEPDGE RULT W
UniRef90_E1K000 UniRef90_E5XPT5	HV LEILDGGRVS AARI VVATGSRAAVPDIPGLAEA GFLTN
UniRef90_F2Q685 UniRef90_UPI0004411D0F	QTAEGDTREVAFDR <mark>C</mark> LIATGASAAIPPLPGLAGTPYWTST PPTVIVRLFNRASNVFINTGARPSMPILIETLRAPELVSS
UniRef90_E6MZA4 UniRef90_T0R096	PAKGKPPKDVTFRRALIAVGGRPKSLD <mark>C</mark> PGAD LAUSS
UniRef90_T0JQN1 UniRef90_Q5WF73	F V N G V K I T A P K I V I A T G T K P K K P P F K F A W S S
UniRef90_A0A010NLM4 UniRef90_I2BUP0	FSPSPDNQMLIGKNVILATGSVPRPLPHTPFDGKQI USSAEVD GQKLRFRQALIVTGSSPAAPPIPGLVDA GFVTSKTVEVGEQRIQCEHLLLATGSTSVNLPMLPLGGPII SSLEVNSQHYQAKSFIVAVGSTPSFDIKWKKELQDRLITSQKHDGTDEVVTADVVLISTGASPRVLPGSEPDGE RILNW
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UniRef90_I0JV82 UniRef90_J0B866	TVEVNGTRYTGKNVVLATGSYSKT I PGLELGGRI I AS VLQVDEHTRITAGSVI VATGSTPVRPKELEPLG ALLISN
UniRef90_H5X6S3 UniRef90_D2V520	TVRVGGREFRASKAVVLNTGTAPSAPPVPGLSDTPY WTN VELVGRVERLTAKYLLLAPGGRPNVPRDLPG AYEYALTS
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UniRef90_M5E0T1 UniRef90_A4BJ37	K Q Y T A D K I F I A T G T E P L I P P I P G L K D V H R L T N Q E T Y R G K R I I I A T G S S P L V P P I P G L D E V P F L T N
UniRef90_W7ZN66 UniRef90_D7WDU4	KQYTADKI FI ATGTEPLIPPIPGLKDVHR LTN QETYRGKRI I ATGSSPLVPPIPGLDEV PFLTN FSPTPENEMLIGSNVI LATGSSPRALANTPFNGETV I SS DAPVLDVETIEAHHYL VATGSSPKTLPSLPIDEKMI LTS SDDGPETEYGARVGI VVATGSRPVIPPLEGLAGSPY WTN ATVEVPDERIRCEHL LATGSVPVALPQLPFGGPVL SS
UniRef90_K0N582 UniRef90_UPI0004748165	HVIIATGSSPKTLPSLPIDEKMI LTS SDDGPETEYGARVGIVVATGSRPVIPPLEGLAGSPY WTN
UniRef90_F5Y0B4	ATVEVPDERTR <mark>C</mark> EHLLLATGSVPVALPQLPFGGP <u>V</u> L SS

UniRef90 G4FC59	170 E N L WS L T E L P K R S V V L	180	190 200
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UniRef90_L9VGY1 UniRef90_B9LNB0	DALF LDDQPDSLAI V TEALRLETAPDHLVI V		
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UniRef90_K0I797 UniRef90_B3R9F9	E A L A S A T V P E R L A V I D D V F S W Q D L P G S V V V F N D F L A M P T L P E R I A F I	GSSVVALE GPGVIGLE	L A Q A F A R L G S K V V I L L G Q A L S R L G V R V R V F G M A H I A A A A G A H V T I V H
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UniRef90_F6GFL3 UniRef90_E3ZGH0	DSILNLTKI PKTASFI DDFLSLPTLPDSVTFI	GSGYVGME	FATMLALLGSKVTVFE FASIVIAAGKEVHIIIH
UniRef90_F2U0W6 UniRef90_X5SG61	DDFLSLPTLPDSVTFI ESIFNLTELPARLGVI DEMLELDHLPRTLTVI	GAGVIGVE	LA QAFARFGSEVOLFA YATIFSALDVPVTLVE
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UniRef90_UPI0002626F3B UniRef90_G4QEY5	T G A L A L R A L P A H L V V L E A L V S A T I P G R L A V I D G F F E I E E L P P K I A V V D T L W D R E K V P K R L V V L T M W T E L E E A P K K L V V L	GGGPIGTE	LAQAFARLGSEVSQIE
UniRef90_K4KEW0 UniRef90_A0A038GUZ5	DTILNMKHTPRNLII EALVS DAIPERLAVI	ZGAGVIG <mark>C</mark> E GSS <u>V</u> VALE	LGHFFGSEKVTTLVVEE WASSLLNSLGSEVTTLVVEE WASSLLNSLGSEVTTLVVEE NAAQAFARLGSSEVTTLVV E RGTFGSSEVTTLVVEE NAAQAFARLGSSEVTTLVV E RGTFLNSLGSSEVTTLVV E RGSSEVTTLVVEE NAAQAFARLGSSEVTTLVV E RGSSEVTTLVV RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEVTTLV E RGSSEV
UniRef90_T1HQM1 UniRef90_A2SIU0_	DDLFSLLTPPGDTLII DDVFDWQDLPRSVAV\	G A G Y G L E G T G A G L E	CAGFLNGMGFESTVMV LAQALHLLGVRVRLLG
UniRef90_R0G5U5 UniRef90_D7G9I3	REALMPRQTPRRLLVI ASVFNLTALPRRLVVI	G A G A I G I E	F A S F Y R A L G A E V S V V E L A Q A M Q R F G S E V T V L L
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UniRef90_A6WEZ2 UniRef90_I7ZAY0		(- Δ (- Δ V (-	
UniRef90_C5ANE4 UniRef90_UPI0002624B48	EALNS DAIPARLTII MLYDDGAPAGKRVILI	GSSIVAAE GGGVIGTE	MAQAFARLGSRVTIL FAYIFDQLDKDVQWLV CAGFLAGFHYDVTVMV
UniRef90_G0QZR1 UniRef90_A0A023CKS6			
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UniRef90_A0A010NLM4 UniRef90_I2BUP0 UniRef90_A0A009P757	TEALAPTHVPKRLIV\	/GGGYIGLE	L G A Y R K L G S Q V S I L IA L G A Y R K L G A D V S V V E L A Q A M Q R L N V K T T I F A
UniRef90_UPI00036EBE34 UniRef90_B1ZQB9	RQLYDLTVQPTHLVV\ ETLFSLTELPRRLAI\	/ G Š G V T G Ā E / G A G P I G C E	FASAYTELGVKVTLVS MAQAFARFGAEVTLIE
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UniRef90_W72N66 UniRef90_D7WDU4 UniRef90_K0N582	TTAMELTEVPESLLVL	GGGVIGVE	QAQLFARLGSQVTLL WASLLNDFGVDVTIVE
UniRef90_K0N362 UniRef90_UPI0004748165 UniRef90_F5Y0B4	REILFSLERL PERLVI DEILSLRSI PASMVV SALVS EAILPKRILVI SSVMDMHAVPDHLLVI MALKEVPGKLLII DDIFFRLNKI PSSITI DDIFFRLNKI PSSITI DDVLQLKELPASMVI ETILWDLPELPQRLVVI TEALAPTHVPKRLIVV DDIFFSLTVQPTHLVV DDIFFSLTVQPTHLVV ETILFSLTEVPESVLVV ETLFSLTEVPESVLVV ETLFSLTEVPESLIVV ETLFSLTEVPESLIVV ETLFSLTEVPESLIVV ETLFSLTEVPESLIVV ETLFSLTEVPESLIVV ETLFSLTEVPESLIVV ETLFSLTEVPESLIVV EDVFTVYTVPESLIVV EDVFTVYTVPESLIVV EDVFTSLQQALDIPEKSLIV ENTERPESLIVV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPESLIV ENTERPES ENTERPES ENTERPES ENTERPES ENTERPES ENTERPES ENTERPES ENTERPES ENTERPES ENTERPES ENTERPES ENTERPES ENTER	JĞĞĞPVĞLE	LAQVYARFGTDVTVVE

UniRef90_Z5GVA6 UniRef90_Z5GVA6 UniRef90_UPl0002F182C5 UniRef90_B4ULN9 UniRef90_UPl00035E3F86 UniRef90_B8MZ48 UniRef90_UPl0002626F3B UniRef90_G4QEY5 UniRef90_K4KEW0 UniRef90_A0A038GUZ5 UniRef90_T1HQM1 UniRef90_A2SIU0 UniRef90_A2SIU0 UniRef90_D7G9I3 UniRef90_UPl0002F2DBB3 UniRef90_UPl0001E89DF8 UniRef90_UPl00012490137 UniRef90_UPl0002490137 UniRef90_S3G6Q7 UniRef90_E0TIZ3	240 DILK RED DE LI TO DE LE NAME DE LA CONTROLLE DE LO CALLO DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE DE LA CONTROLLE D
UniRef90_B1ZQB9 UniRef90_I0JV82 UniRef90_J0B866 UniRef90_H5X6S3	S A A G L P R E D R E A A E L R A A L E R D G V R L C D G R D L K V A R A A L P H L V P N E D E F I S K R L E R S F R R R G I K F K T G V K F T G A E Q T R S Q S L A G L S D P T V R E A G R A I F S Q E L D I R A D V T V L G S E V V N V A D R I L P Q E E P Q A A E V L A D V L S S E G L S L H T S A A A E H V G H D
UniRef90_D2V520 UniRef90_UPI0003B4313B UniRef90_A3TQJ7 UniRef90_M5E0T1 UniRef90_A4BJ37 UniRef90_W7ZN66 UniRef90_D7WDU4 UniRef90_K0N582 UniRef90_UPI0004748165 UniRef90_F5Y0B4	A R S R L L S R E E P E V A D T L R E V F A D E G L Q A I H Q A A V T A V A T E S R E R V L P G E D P D A A T V I E D V F K R R G M E V L G Q S R M A A V E R R I D D H L V P T G D E E A G R V L E E K F K K E G I G V Y N S T G I N K V E E K M M P E I M F R E E P A Y A A I L R E R L V K E G V R F Q L G T K A V G V E K T A G S R I L P T A D G D I S K E M M K Q L Q K R G V A I Y T N A T I D E S S I A V R S R L A S K E E P E V S K A L Q E V F A D E G I R V V S R A V P T R V S R G F L D Q L V I N E S Q T I A R E L Q K Q L E N R G I H I Q L G A K V E Q A T I K G G E R L L S R E E P E S S R L I T D V L T R E G L V V H V A S H A T R V A Y D V A D R V L P T Y D E A L G Q V L Q A S L R R M G V T L H L G C K A E G L A Q D

	250 260 270 280
	ETGYQLVV MHHDERKLL PFDY L M V SAGRQAN V EG
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UniRef90_UPI000479342E	G D A V R V R P R T E G
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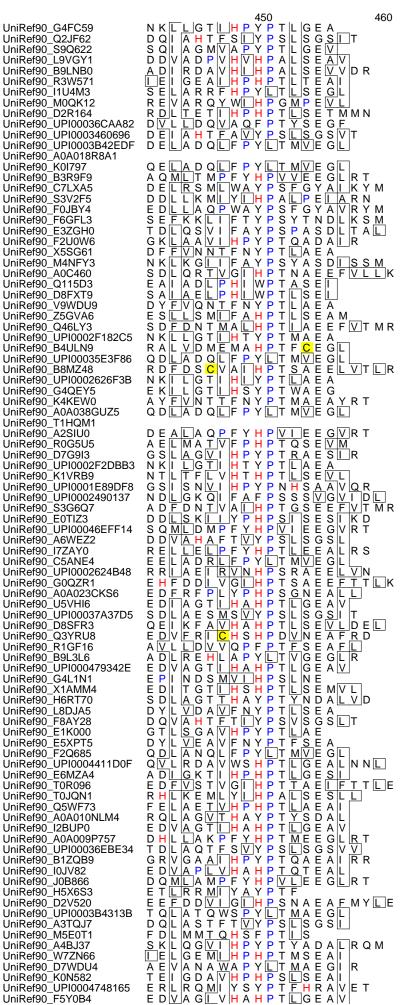
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UniRef90_M5E0T1 UniRef90_A4BJ37 UniRef90_W7ZN66 UniRef90_D7WDU4	A QA GLT E K E A K E K N I N Y Q V V K E K Y E N Y G R A I A D G K P E G A R A G M T E A E A R E Q Y G D R I R V F E Y D M A D K L D R A K T K A G D A Q V G L T E E E A K A Q N H S V K V G T F P F A A V G K A L V Q G E E E G G A V G M T E K D V L A A G I R C D C R V L P L H H V P R A L V N R D T R G A S V G Y T S S N Y P Q D R D V K I G R F N F N A N A K A I I L G D T A G
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UniRef90_D1BK52	V V L G G G P G G Y E A A L V A R R L G A D V T V V E R Q G L G G A
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UniRef90_E7A8Z0 UniRef90_M9U1G7	EYD <u>LVVI</u> GFGKAGKT <u>L</u> ATMAAKKGQK <u>V</u> A <u>LI</u> EQSKEMYG
UniRef90_I0U9S9	DVVIIGGGPGGYNAA[RAAQLGLSVTLIEKAELGGV
UniRef90_Q65MC8 UniRef90_K9V5H0	MIEYDIVIIGGTAAGRYAALKASQYGAKAALVEPSTNPES
UniRef90_J2W797	Q C D V A V I G A G T A G L A A E R A A R K N G A S T L L I D P D F N G T T
UniRef90_A0AW65 UniRef90_UPI00046D9CBF	DLIVMGAGP <u>G</u> GY <u>VA</u> ALRA <u>AQLG</u> LK <u>T</u> AIVEER <u>H</u> LGGL
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UniRef90_UPI000361DAFE UniRef90_UPI0001BF5FBC	A V
UniRef90_U2R5K8 UniRef90_Q825V0 UniRef90_UPl00036C1007	V L K R R D Q M T S D W K D D G Q V S W L E S A G L D L V R G W A V I T A P K E V L A H R D Y E V S H W K D D G Q V G W L D G L G A D L Y R G H G R L S G P R E A L M A N K R A Y T K E L S P A T K K G M E N S Q L Q T Y V G H A E F V A D
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UniRef90_UPI0003B62F3A UniRef90_UPI00036A5B1B	RTIVIY NILIE QIVIP K R MIV V A G G G PIVIG M E IT A Q A ILIA R F G T E IVIH II V ID
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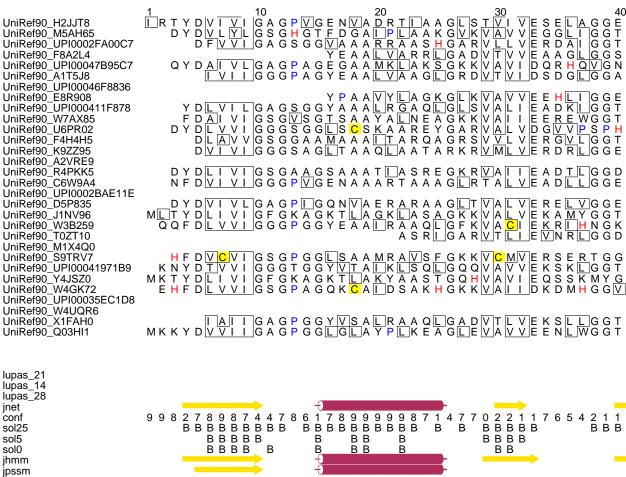
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IUniRef90 UPI0003B38B41 ILIA SIVIA AMQGRILIAMYHAILIGEGIVIDPILIRILI KTIVIATAIVIETR	? P F II I
UniRef90_K9UA15 FTHAADAAARIVIKNTLFSPFKTKLSSLVMPWVTYTD UniRef90_E3I4N5 FTHAADAARIVIKNALFR LPAKADHSTIPWVTFTD	PEI
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UniRef90_UP1000463EBA3 L H E A G H E G A I A A S N A I T Y P E V V R F A R K T P L G V A F T D UniRef90_V6KN60	PEA
UniRef90_Q3A4H5	P Q V
UniRef90_I3UBW7	
UniRef90_UPI00037774B7 L T	PEV
UniRef90_UPI000366A568 _ K F T H A A N A T A R L <mark> C </mark> T A N A L D G A H R P A R E L V T P H <mark>C</mark> T Y T D)
UniRefor C7MD12 I A HRGEA OGUEVA ERUAGUN PAPU VESGUE RUTVCE	PEL
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IUNIRE190 UP100039EA40F FI <mark>H</mark> IVISMYQ SAIVIAIVIRDII LIDRIGPPASYRAIVIPRIVII FID)
UniRef90_UPI000361DAFE	PEV
UniRef90_U2R5K8	PEA
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370 A T V G Q N R Q R L E E D G 380 ME F K E S S \blacksquare ML S Q F K P A A F H Q A G N G UniRef90_I2K9S9 UniRef90_T1AXE8 UniRef90_I0IME2 UniRef90_UPI000308995A A R S G L S E S E A V F K G H S V V T G R I P F T D L G K A I V Y R R A S V G L T E M Q A R E K Y G D V R I G E F A F T A N G K A L I L N E S T C G L T E E E V I A R K I P Y E T G V A H F R E T S R G H I M G L A I I G K S F K Q L E D Q Q I E F I R G F V S Y E N Q G R A L V L A E A W V G K S E E Q L K E G I E Y K V V K F P F A A N S R A K T N A D G C V G L S E E A A V A C H G E E H V E V V H A F Y K P L E F T V P Q R D A S V G A T S A D L D R A G I P H V E Y L H E Y G W T A Y G W A L N D TQENTAT UniRef90_L0NG06 UniRef90_N9NCR3 UniRef90_UPI0003C18BCF UniRef90_UPI0003C18BCF UniRef90_UPI00042C9C5C UniRef90_S3X1V0 UniRef90_B6C6P0 UniRef90_S6JHD2 UniRef90_UPI00047B0128 UniRef90_D1BK52 VVVGKT PAEAEAAGLDFISASFPFSANGRAMTLESKTATVGVT EADIASGRYQGDVLKLALKTNPRAKMMNVEDATVGVSEKKLVDQGSKYVTTLLPLSRNPRAKMMNVEDATVGYSEKKLVDQGSKYVTTLLPLSRNPRAKMLGMRDGSIGFSEERALLATFGEDNIEVYHSEFTPLEYTVPHRRSRYHLGMTEAEVYEERGGSYQVLRGSGADRMTAEMDEDAAFGPT AAAELEASGTAYVTKTQRYGDLAYGWALEDVGATVGLLPAELRKRGIEFLSAD YPFDDHGKSLLMEAKHAHVGLTENTTGATVGLTENTTGATVGKKGYDVETALNHYSSSAKGYAMPGDEDDSATVGWSALSOVGLTENTTGATVGVSGATVGYSQADVDSGKIDARVVKLPLLRNPRAKMQGLRDASVGLTEEAKAQYEDLRVGSFPVAGNGYAGIIGQKDASVGLTEEAKAQYEDLRVGSFPVAGNGYAGIIGQKDASVGLTEEAKAQYEDLRVGSFPVAGNGYAGIIGQKDASVGLTEEAKAQYEDLRVGSFPVAGNGYAGIIGQKDASVGLTEEAKAQYEDLRVGSFPVAGNGYAGIIGQKDASVGLTEEAKAQYEDLRVGSFPVAGNGYAGIIGQKDASVGLTEEAKAQYEDLRVGSFPVAGNGYAGIIGQKDASVGLTEEAKAQYEDLRVGSFPVAGNGYAGIIGQKDASVGLTEAAAQVGLTEGTTDFADQGRARVDGVNRGAVAGIIGGKDASVGLTEAAAQVGLTEGTTDFADQGRARVDGVNRGAVAGIIGG UniRef90_UTBN52 UniRef90_L1JCE3 UniRef90_UPI0004201C1E UniRef90_N0DZJ6 UniRef90_UPI00036EF5A4 UniRef90_S7HLX3 UniRef90_E7A8Z0 UniRef90_E7A8ZU UniRef90_M9U1G7 UniRef90_I0U9S9 UniRef90_Q65MC8 UniRef90_K9V5H0 UniRef90_J2W797 UniRef90_A0AW65 UniRef9U_J2W/9/ UniRef9U_A0AW65 UniRef90_UPI00046D9CBF UniRef90_H2C7W8 UniRef90_H2C7W8 UniRef90_H2C7W8 UniRef90_H9ZI63 UniRef90_UPI0003A844BD UniRef90_UPI0003B645B18 UniRef90_UPI0003B62F3A UniRef90_UPI0003B62F3A UniRef90_UPI00036A5B1B UniRef90_H2W2V249 UniRef90_H2W2V249 UniRef90_W5XYG3 UniRef90_W5XYG3 UniRef90_W5XYG3 UniRef90_M0D373 UniRef90_M1UR65 UniRef90_UPI0003B436D6 UniRef90_UPI0003B436D6 UniRef90_UPI0003B436D6 UniRef90_UPI0003B436D6 UniRef90_UPI0003B436D6 UniRef90_UPI0003B436D6 UniRef90_UPI0003B436D6 UniRef90_C7DG22 UniRef90_M7MWN5 UniRef90_E5S1L9 UniRef90_M1CWI5 UniRef90_UPI000365B250 UniRef90_D0ZGF1 UniRef90_A0A011TB91 S F V G R T E D D L T E A K V P F E V G V S R Y R E L A R G Q I I G D S Y G A R V G L N E S E A Q R R G I P Y E V T R F A L A D L D R A I T D G A T E G A T V G R Q E K D L E T G A I N G Y V Y K L P L A A N A R A K M M G I T D G A K A G V S V E D A E K Q G L T V Q T N H L P D D WY R Q V D N E T Q G A A V G Y T E A A L E R G E V A A R T I T M P L K T N P R A K M R S L Q H G A H V G M S E D D A Q Q A G E F D T I K V S M S K V D R A I T D G E T D G A H V G L T E D A A R A R Y G K L A I L R W P Y A E N D R A Q A E R E T G G A S V G D I S D G K G I E T Y R V A Y D G L D R A I A G A R T D G A A V G L T E A G A R D A G H D V V V N T M P L T A V A K G M V H G Q G A H A G V F F R D L P K G A V I G K V D F E N Q G R S R I K L R N R G G A V G L T E A Q A R D R G L R V R T G T A Q L P S T A R G W L H K A G N D G UniRef90_G9ZPU7 UniRef90_UPI0003B38B41 UniRef90_UPI0003B38B41
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UniRef90_UPI0003A9AF90
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UniRef90_UPI0003A9AF90
UniRef90_UPI0003A9AF90 A A V G V P Q A K I D D G S V P A R T L T L P L A T N A R A K M S S L T A K V G I T P E E A K A A P D Q Y T I V R N H I P D D WY H Q T D Q E G V F G T S F S D L N M A S S V M A K F D L E K N N G R A I V M E E D A S V G L T L K E A E A A G H R V R A V D Y A I E N V A G A S L Y A E G Y A A V G Q T L N K L E D A D I I V A R A D F S E Q S R A I A E G R N V Q V G T D F P D L P D D A R I G C A K V S D N G R A T A D G H D PARA RAEAEGRRIAVATQEYASIAYGWAMQDIADQARERGIGTTVVEVEFSSVA GAMLLRDD.
LSELDPK QIVIGSAEGQGNGRTRILHE
PRRA RNEGVAIIDAYQLDLDKVARAFIDGE
AADADA DADNVRSVMMPLATNARAKMDNI
BEKQAKEQLGADAVEVYEYNLGGNGKSQILGT
LAEAERAGHRVRAVDVDMRQVA GAGLYAQGY
LAEAERAGHRVRAVDVDMRQVA GAGLYAQGY
BEEDARKKY NVKVGKFNFAGNGRALASGQI
QAQA RDAGMNIITARVAYISSAGAALLRDD
YEQCSEA NTLIGQALFEDQGRARAGQQI
EDELTAADIPFEVGISR YRELARGAIMGD
REEVEEAYVYETRLNEVDRFVAEHA TAPEGTYTYEANATGE UniRef90_C7MD12 UniRef90_UPI000464BBE8 UniRef90_UPI0003FAFB7E UniRef90_D2Q2M5 UniRef90_T4VZH4 UniRef90_UPI000479A05D UniRef90_C0N4F1 UniRef90_UPI00035CB270 UniRef90_K2GM99 UniRef90_UPI00039EA40F UniRef90_UPI000361DAFE UniRef90_UPI0001BF5FBC A S V G L T A A A A E K A G Y R I R V V D Y Q I G S V S G A S I A S D N Y E G A A V G L S L A E A E R A G H H V R A V D V E F S S V A G A G L Y A D G Y R G A Q V G M T E S Q A Q K D L A R Y Q V K V D M S D W I T Y K R Q H E T K P T A G R R L A D L D P D H T I T G S A S Y A N Q G R A R T A Q L N H G A S V G L T A A A A E A A G L R V R V L D H D L A A L A G S S L H A E G Y R G A R I G Q S E K Q L A Q N L Q I H S E T I N L A D W F T Y R R I N D P V A UniRef90_UPI0001BF5FBC UniRef90_U2R5K8 UniRef90_Q825V0 UniRef90_UPI00036C1007 UniRef90_H0BXF6 UniRef90_F3NBQ5 UniRef90_T0U5F1

Ha:Dafoo lokoco	410 420 430 440
UniRef90_I2K9S9 UniRef90_T1AXE8 UniRef90_I0IME2	VLTVY A D M S G L L L G A E L F A P N A E E L T S S V A M A L A G E M T V V V A N E S D H K L L G A E M E G P G A S D L H V L H V A L A L G A T L
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UniRef90_N9NCR3 UniRef90_UPI0003C18BCF UniRef90_UPI00042C9C5C	L L K MI F S R K T R R L L GV H I L G E G A T E L V H I G Q A V L N L K G T V G I E V Y I D K K S G K L L G A E L F C S Q A E H L A H L L A W M I D A D Q D L M V K I L G Q K S T D R V L G A H L L G P G A G E M V N E A A F A L E Y G A S C C Y M V C L R E P P O P V L G L H E L G P N A G E V L N G E A L G L K C G A S Y
UniRef90_S3X1V0 UniRef90_B6C6P0	CYMVCLREPPQPVLGLHFLGPNAGEVIQGFALGIKCGASY FVKLIADETGEKLLGAHIVGPQATTLIQVLQFAMTQQMAI
UniRef90_S6JHD2 UniRef90_UPI00047B0128	FVRVVARRDNHLIVGWQAVGAGVSELSTAFGQSMEMGACLFVKILSRRGSGTVIGGVVVGPRASELIFPIAIAVTQKLHVFVKLFSHPEAGVVLGGVVVAPRASELIFPITLAVANRLTA
UniRef90_D1BK52 UniRef90_L1JCE3 UniRef90_UPI0004201C1E	YAKLIVNYDK QRVILGFHYLGPNAGEVTQGFASAFVAGLSL FVKVIVD KSGYILGAHAVGAQASDWMQTLVYMKKQKDKI FLTVHASPVTRRVLAAHCIGPQASTVIQPLIQAASFGQDV
UniRef90_N0DZJ6 UniRef90_UPI00036EF5A4	FLTVHASPVTRRVLAAHCIGPQASTVIQPLIQAASFGQDV YVSVHADKKTGVVLGAECVGKDAGELIQALSVAVSLQATV
UniRef90_S7HLX3 UniRef90_E7A8Z0 UniRef90_M9U1G7	Y V S V H A D K K T G V V L G A E C V G K D A G E L I Q A L S V A V S L Q A T V F V K L V I D K K T K F I L G A H I V G P E A S I L I Q P F V Q A L R A K K S V L Q V L V E D N A Q Q R V L G A S L H C A L S Y E V I N L F S L A I N H H L S F F V K I F C R P G T G I V V G G C V V A P R A S E L I H P I S L A V D N N L T V
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UniRef90_K9V5H0 UniRef90_J2W797	C K V L Q D G T L G A N I G K N A T E L I N L V T L A I H K K L K V A L T L Y A A A P H G R L I G A D L I A P A G E H L A H M L A W A I Q S R M T A A T E L I N L V T L A I H K K L K V A L T T T T T T T T T
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UniRef90_H2C7W8 UniRef90_W6JZU1	Y T K L G I D R E N R V V Y G E V V S N N A E E I V N L L V L A I K L R M K V A V K I V A D A T T G K V L G V H A L A D G A G E I M L A A T Y A I R T G M T V
UniRef90_F9ZI63 UniRef90_UPI0003A844BD UniRef90_B4V5S7	IQRLYADAESGRLLGAEM <mark>C</mark> APAGDHMAHLLALAIDRSLTV FIKLVADRDTGRLLGAQVLAGEGGEIIQTAAMAIKNRMTV HAKLVIDESRRVVVG <mark>C</mark> TFTGPAATELIHTATVAVVGEVPL
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UniRef90_UPI00036A5B1B UniRef90_A0A023CWZ3	F
UniRef90_F4ZWC4 UniRef90_W2V249 UniRef90_L8EIB4	FI KL LAEQGT GRL LGAQI LAAEAGEI IQAAALAMR GGLTIVLRVYGAKDNGKL LGAELIAPEGEHLAHLLAWAIHKQLTVVKVVAAADGAGVLGVHLVGPHVSEMIAESQLIVAWDAEPFVKLFCRKHSGIIGGVVVAAPTASELILPLAVAVTNRLTV
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UniRef90_A0A011U9C1 UniRef90_UPI000366A568 UniRef90_K6WXE1	L R V Y A D K A D G R L L G A A M L A P R A E H L A H L L A L A I G R G E T A F G A I Y T R S G S S E I A G A T L V A A A H A G E M I T E L T L A I M N Q V P L F V K L F A R S G S N A V I G G V V V A P R A S E L I F P L A L A V Q Q Q L T V L K L V R E K D G P I I G V H M I G T R T S E L M G E A L L I V N W E A Y P Q A R M V V D L D R E V V L G A S F V G P G I G E L L H S A T V A V V V G E V P I F Y K V I V D A R T D L I L G A A L I G P E A S E V V P S V Q M A M L G G L T W Q A R M I V D A D R N V L I G F T A V G P D V A E L L H A A T A V T A E V S L Y V K V V A D A K Y G E I L G I H M F G C G V A E L I N H A A S F K A L E I P T E A G L V V D R A T R T I V G A T F V G P E A G E L I N H A A T A T A V T A E V S L Y A D K N G R I I G A F M A A P A A E H M A H V I A I A I F A C I I T A K I P V
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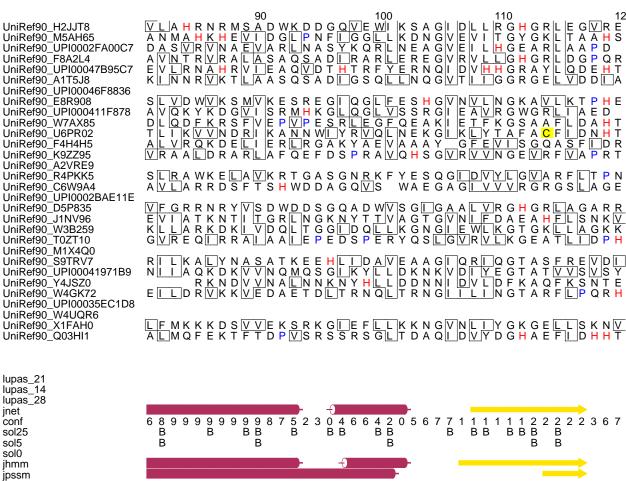
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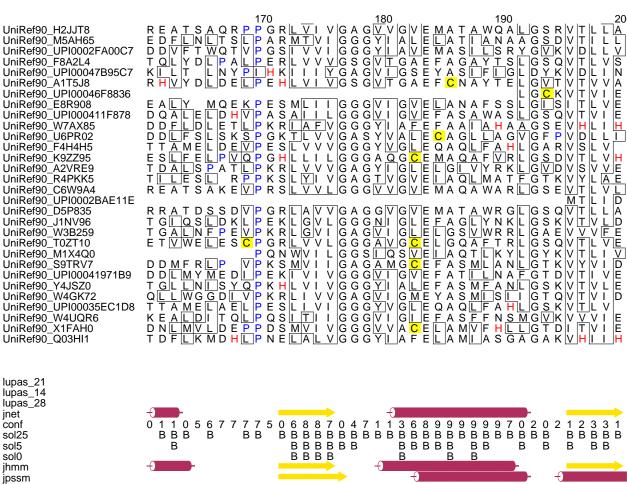
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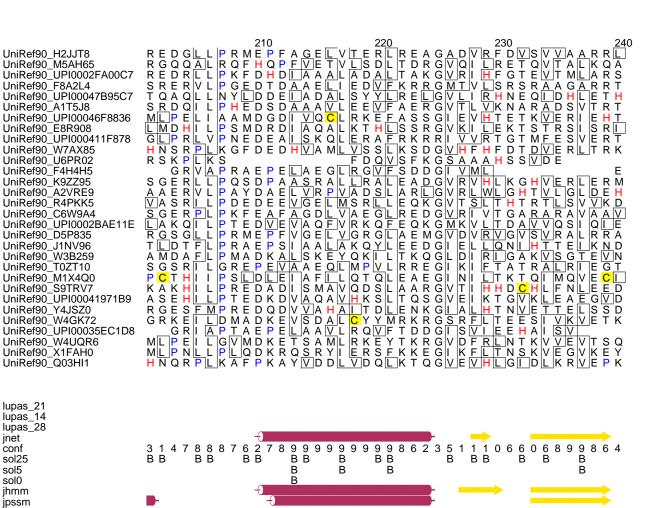
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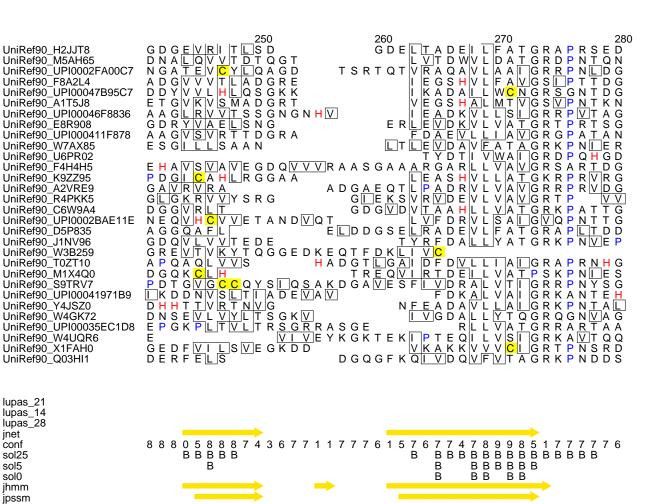
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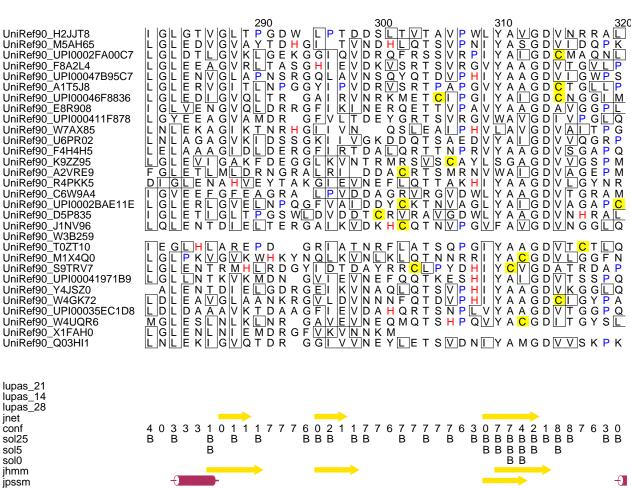
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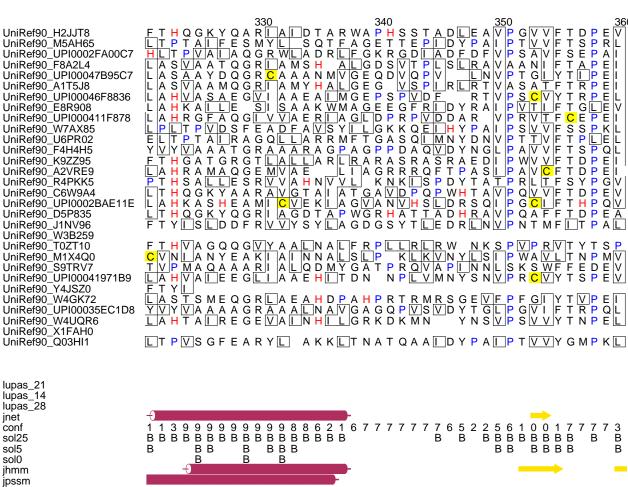
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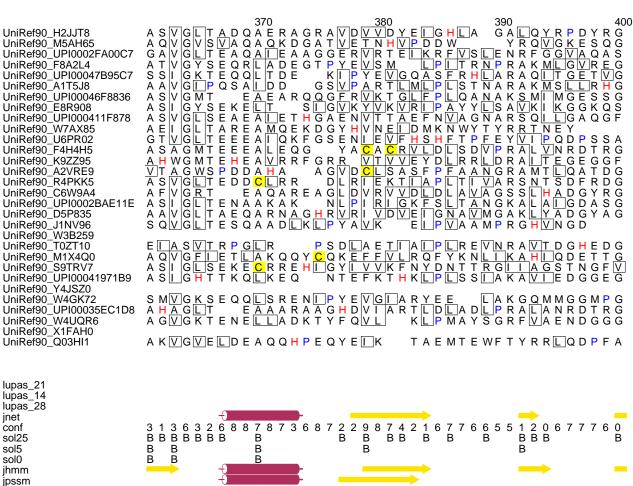




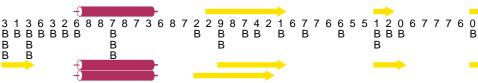
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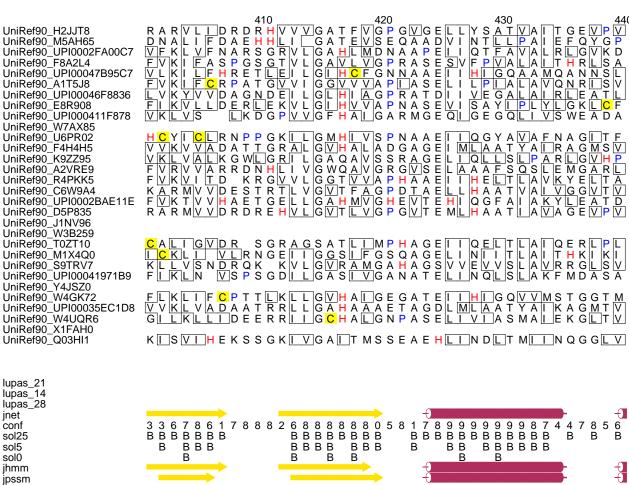


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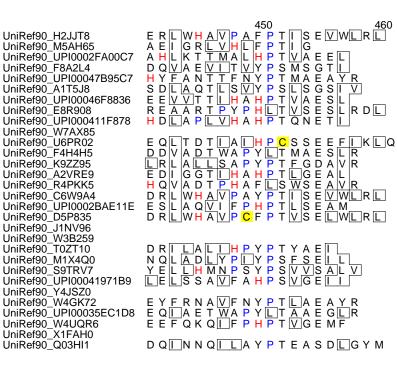


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