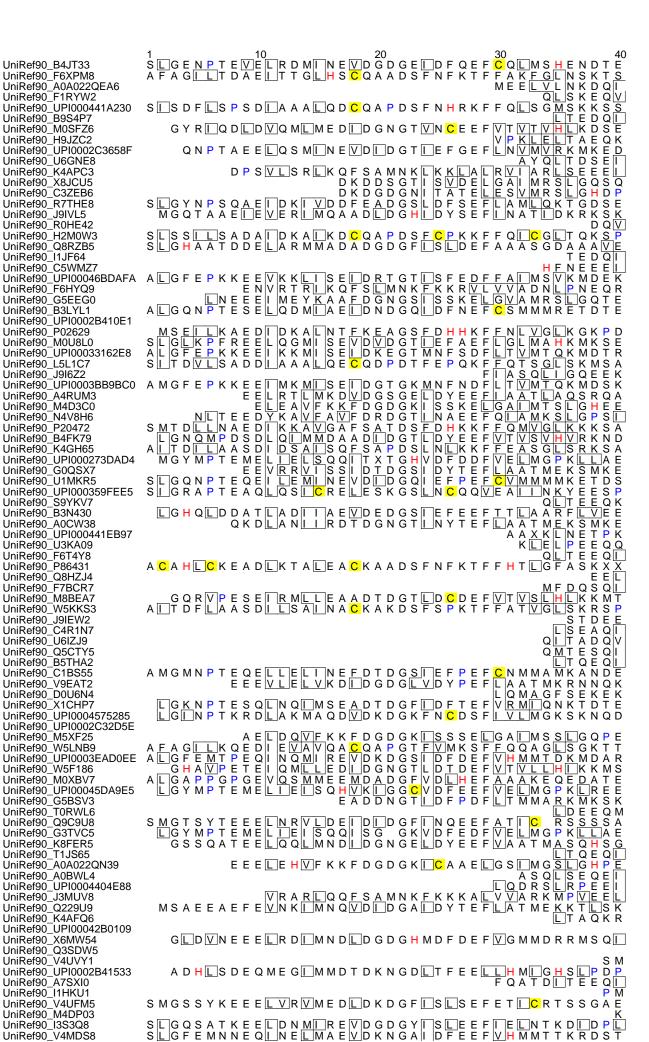
OUEDV	1 10 20 30 40
QUERY UniRef90_UPI0003E9D18A	A F A GV LN D A DI A A A LE A CK A A D S F N H K A F F A KVGLT S K S A D F K E D G N I H K LE Y N T R D Q L T E E Q L O S K L S E A E V O K L M E A V D N D C S L D X T E F L T A M M L K L E Y E
UniRef90_B6U753 UniRef90_Q0DH47	DFKEDGNIHKLEYNTRDQLTEEQL LGSKISEAEVQKLMEAVDVDGSIDYTEFLTAMMHKLEKE DNAVLGRLKQFRAMNQFKKAALRVIAGLSEEEL DSAVLIRMKQFRAMNKLKKLALMVIANLSEEEL GTKLSEAEVQQLMEAADADGTIDYGEFITATMHMMDRD GANMKESEIYQLMQAADIDGTIDYGEFITATMHMMDRD GSKLSEAEVKQLMEDVDGNGTIDCIEFITATMHRHKLE SLGQSPTPEELRDMVRDVDADGTIEFAEFLALMSRKADPE GSVLKDSEITWLMEAADVDGTIDYGEFLAAMLHLNKKE LGSKLTEAEVKQLMDDVDGNGSIDYIEFAEFLALMSRKADPE GSVLKDSEITWLMEAADVDGTIDYGEFLAAMLHLNKKE GSKLTEAEVKQLMDDVDGNGSIDYIEFITATWHRHESN DSAVLSRMKQFRAMNKLKKLALVIAENIDTEEL
UniRef90_M5XWM9 UniRef90_K7V0Y9	GTKLSEAEVQQLMEAADADGTI DYEEFI TATMHMMDRD
UniRef90_J3NDH4 UniRef90_Q9AR92	G A N M K E S E I Y Q L M Q A A D L D G T D Y G E F A A T L H L N K R E L G S K L S E A E V K Q L M E D V D G N G T D C L E F T A T M H R H K L E
UniRef90_W5G445 UniRef90_I1L9Q2	SLGQSPTPEELRDMVRDVDADGTIEFAEFLALMSRKADPE GSVLKDSEITWLMEAADVDGTIDYGEFLAAMLHLNKKE
UniRef90_Q38868 UniRef90_Q9C6P3	LGSKLTEAEVKQLMDDVDGNGSIDYTEFITATMHRHESN
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UniRef90_A5A7I7 UniRef90_M0RX62	D P A V L S R L K Q F S A M N K L K K M A L R V I A S L S E E E I V L T R M K Q F R A M N K L K K V A L V I A E S L S E E E I
UniRef90_I1LD80 UniRef90_Q8RWL2-2	D S AIV LIT RII IKII IF S A M N KII IK K M AII IRIV LIA RII IS F F F II I
UniRef90_E5SQ18 UniRef90_K4D2F4	L G S K L T E S E I K Q L M E A A D V D G T I D Y I E F V T A T M H R H E K E S L G Q R P T E S E L R D M V N E V D E D G T I E F D E F L Q M M S R K M K S E E T V K A R L K Q F S M M N K L K K R A L R V I A H L T V D E V
UniRef90_U5EQS4 UniRef90_Q1HCM6	E T V K A R L K Q F S M M N K L K K R A L R V I A H L T V D E V S L G Q R P S E T E L R D M V R E A D G N G T I E F N E F L Q L M S K K M K A E S L G Q N P T E A E L Q Y R I N E V D Q D G S V D F P E F L T L M A R K M D S E D S A I F T R L T Q F S A M N K L K K M A I R V I A R L S E E E L
UniRef90_K4ASQ0 UniRef90_Q6I5I8	DSAIFTRLTQFSAMNKLKKMAIRVIARLSEEEI FGSHLAESEVQMLIEAVDTNGRLDYGEFLAVSLHLQRMA SLGQEPTVKELENMLKEIDEDGNLDFDEFLHMMAKKHDPE
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UniRef90_G8Z273	G S Q <u>L</u> A E A E M K <u>L L</u> M D D <u>V</u> D G N G <u>V L</u> D Y G E F <u>V</u> A <u>V I I <mark>H</mark> L </u> Q R M <u>E</u>
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UniRef90_B9SUF1 UniRef90_A0A022PWX6	L GHQMADADVQI L MDDVDGNGSLDYGEFVTLSVHLRKNDLGHQITDTDVQMLMEDVDRDGHLDYGEFVTISVHLRKNDLGHQITDTDVQMLMEDVDKDGYLDCAEFVAISVHLRKMDLGHQIPESDIQVLMEDVDKDGYLDCAEFVAISVHLRKMDSLGQKPTKDELQDIINEVDKDGTIDFQEFLTLMGGTRDPESLGQSPNETELRDMIKEVDVDGSIDFDEFMLMVSQQGDRQLGSKLSEVEVQQLMDDVDGNGTIDYLEFITATMHRHKLE
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UniRef90_Q6C3K3 UniRef90_W5JVV7	QIL IT E D QIV I
UniRef90_V4KTE2 UniRef90_A0A059DD12	V D I E D R F A Y G A R M A D Q L T E E Q I G Q Q I A D A D L Q I L M E D V D G D G T L N Y G E F V A V S V H L K K M A L S V E E V
UniRef90_J3MN10 UniRef90_M0SGM0	ALGFEMTEEQINQMIADVDKDGSIDYEEFEYMMTÄKRDSK ETVRTRLQQFSVMNRFKKKALVVAEQLPLEEV
UniRef90_Q5GAP6 UniRef90_V4USS4	P G T I D A K E L NVA M R A L G M T E L G S T L R E V D V K Q Y M Q D L D G N G T L D Y M E F L T A T M Q R H K L E
UniRef90_\$5\$2U5 UniRef90_F8U035	VRTREKQFS <mark>C</mark> MNRFKKKAMRVIAHESVEEV A <u>F</u> AG <u>VL</u> TDADVAA <u>A</u> LDG <mark>C</mark> KDAGT <u>F</u> DHKKF <u>F</u> K <u>T</u> CGMSGKSP
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UniRef90_UPI00038338B9 UniRef90_Q9ZSA4	LIGUNPIKEELDAHILEEVDEDGSLDFEEFLVMMVRKGKSE VLSRLKRFRDANKFKKLKFLAA NLSEEEL
UniRef90_E5GBE9 UniRef90_V4ZJF5	SLGQNPTEAELQGMVNEIDGDGTIDFPEFLGMMARKMKDE SLGQNPTEAELQGMVNEIDGDGTIDFPEFLGLMAKKMRDE SLGQNPTEAELRDMVRQVDADGSVAFPEFLGLMAKKMRDE SMTDVLAAADIKNALGAFGAPDSFNHKKFFELOGLKKKKSP LGQNPTKEELDALIEEVDEDGSIDFEEFLVMMVRKGKSE VLSRLKRFRDANKFKKLKFIAA NLSEEEI FSSQLAEPEIQMLIEAVDGKGTLDYGEFVAVSLHLQRMA EEINDLLKEMDTDGTLDYTEFIAASIDHKEQE VRSRLKQFSSMNKFKKKALVVJAKSLPAEEI GNSLPEDEVQRLVADVDGDGTCDYEEFLAATINQSKRE SLGQRPTFQFIKKMMVDQDGGGTCDYEEFLAATINQSKRE
UniRef90_F2EIP1 UniRef90_Q39485	V R S R L K Q F S S M N K F K K K A L V V A K S L P A E L L G N S L P E D E V Q R L V A D V D G D G T C D Y E E L A A T L N Q S K R E L A A T L N Q S T A T T T T T T T T
UniRef90_UPI0002658DBF UniRef90_D8U1I4	EI LIRMRQFTKMNLLKREALVIARSLPHMEL
UniRef90_A9ZTE8 UniRef90_A0A024TKZ2	ALIA GIL VIK E A DILIT A ALIE A CKA A D S F D H K A F F H K V G M S G K S A
UniRef90_J0XG43 UniRef90_V4T483	SLGQNPTEQELLDMVNEVDIDGSIDFPEFCQMMKRMSKES
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UniRef90_J3SIC5	SKIRESELEDIMHAADVDGTII DYGEFVAATIHUNKRE
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UniRef90_A7SRU7 UniRef90_X2D2M1	LGQNPTDEE REMIKEVDEDGS I GFEEF LQLMSKKTKYE VVADNLPNEEL

QUERY UniRef90_UPI0003E9D18A UniRef90_B6U753 UniRef90_Q0DH47 UniRef90_M5XWM9	50 DDVKKAFAIIDQDKSGFIEEDELKLFLQNFKADARALTDG AEFKEAFSLFDKDGDGTITTKELGTVMRSLGQNPTEA BDLFLAFQHFDKDDSGYITRDELEQAMAEYGVGDEARGLKEMFKSMDSDNSGTITVDELRKGLAKKGTKLTEA
UniRef90_K7V0Y9 UniRef90_J3NDH4 UniRef90_Q9AR92 UniRef90_W5G445 UniRef90_I1L9Q2 UniRef90_Q38868 UniRef90_Q9C6P3	E H L Y T A F Q Y F D K D N S G Y I T M E E L E Q A L R E K G L L D G R D H L Y A A F Q Y F D K D G S G Y I T S D E L Q Q A C D E F G I E D V D H L Y K A F Q Y F D K D S S G F I T R D E L E T A M K E Y G M G D D A T I K E E E L R E A F R V F D K D H D G H I S K A E L R H V M V S L G E K L T D V D H L Y A A F T Y F D K D G S G Y I T K D E L Q A C E Q F G L K D Y E N L Y K A F Q H F D K D S S G Y I T L D E L E S A L K E Y G M G D D A Q G L K A M F A N L D T D N S G T I T Y E E L K E G L A K L G S R L T E A
UniRef90_I1MY59 UniRef90_K4ASN9 UniRef90_B2KL91	EHLYTAFQYFDKDNSGFITRDELEQALKEKGLYD AQDHLYRAFEYFDKDKSGYITMEELEHALKRYNMGD EKAELQDMINEVDADGNGTIDFPEFLTMMAR KMKDTDSEELTDMVNEVDADGNGTIDFPEFLTMMARKMKDSD TEELTHLYKAFQYFDKDNNGYITRDELSQALTKYQMGD EAAGLKEMFKMIDTDNSGNITLEELKKGLERV GADLKDSAGLKEMFKMIDTDNSGNITLEELKKGLERV GANLMES
UniRef90_A0A059BGZ3 UniRef90_V9I7H2 UniRef90_W1PCB9 UniRef90_11R4E6 UniRef90_A5A7I7 UniRef90_M0RX62 UniRef90_I1LD80	A G L K E M F K M I D A D N S G Q I T F E E L K A G L K R A G A N L K E S A E F K E A F M L F D K D E D G T I T M A E L G V V M R S L G Q R P S E T E D I K E M F K M M D T D N D G T V T Y E E L K A G L Q K L G S Q L S E A E N L V S A F A F F D K D G S G F I T I D E L S Q A C E Q F G L S D V A G L R E M F K S M D T D N S G T I T F D E L K A G L P K L G N L G I K I S E S G G L K E L F K M I D T D N S G T I T F E E L K A G L P K L G N L G I K I S E S G G L K E L F K M I D T D N S G T I T F E E L K A G L P K L G N L G I K I S E S E N L I E A F K Y F D K D R S G F I T R D E L K H S M T E Y G M G D D A Q E L K E A F Q V F D K D K D G F I S A A E L H Y V M T N L G E K L T D E
UniRef90_ASA/17 UniRef90_MORX62 UniRef90_I1LD80 UniRef90_Q8RWL2-2 UniRef90_E5SQ18 UniRef90_U5EQS4 UniRef90_U5EQS4 UniRef90_Q1HCM6 UniRef90_K4ASQ0 UniRef90_Q6I5I8 UniRef90_K1PJR0	QELKEAFQVFDKDKDGFISAAELHYVMTNL GEKLTDE AGIKEGFQLMDISNKGKIDVNELRVGLQKL GHQIPES DELKEAFKVFDKNNDGLISSSELRHVMTNL GEKLSEE EEIKEAFRVFDKDGNGFISAAELRHVMTNL GEKLGEE AGLKEMFKMIDTDNSGQITFDELK IGLKKFGTNLNES EELRRAFLFFDKDGNGYIEPEELQEALVEDGATDIM EELLREAFQVFDKDGNGYISKEELHLVMNNL GEKLTDD
UniRef90_UPI0001776B95 UniRef90_G8Z273 UniRef90_V9PPY0 UniRef90_J3MM62 UniRef90_B9SUF1 UniRef90_A0A022PWX6 UniRef90_S8BL77	A GL K E M F K M I D T D N S G Q I T F D E L K I G L K K F G T N L N E S E H L R R A F L F F D K D G N G Y I E P E E L Q E A L V E D G A T D I M E E E L R E A F Q V F D K D G N G Y I S K E E L H L V M N N L G R N P T E A E H F R R A F M F F D K D G S G Y I E L D E L R E A L A D E S G A C D T D V S E F K E A F S L F D K D S D G T I T T Q E L G T V M K S L G Q N P T D G E H L H K A F A Y F D R N K S G Y I E L D E L R E S L A D D L G A N H E E H L R K A F E Y F D K N Q S G H I E I E E L R N A L A D E L D E N S E E S L R D A F A D E A E A T S E E S E L R D A F N V F D K D K T G T I D A A E L R L V M K A L G E N L T D D
UniRef90_K9VSB3 UniRef90_P28582 UniRef90_R0FF64 UniRef90_M7ZEH3 UniRef90_W9RN08 UniRef90_Q6C3K3 UniRef90_W5JVV7	SELRDAFNVFDKDKTGTI DAAELRLVMKAL GENLTDD SRLKMAFSVFDENGSGQI TRDELHGVMSQFG LTEQ SYEHQAFQYFDKDNSGFI TKDELESAMKEYGMGD EA DHLYKVFQHFDKDNDGHI TKEELEMAM KEHGVRRDEA GGLKELFKMIDTDNSGTI TYEELLKD GLKRVGSDLMEP EDIKEMFRKMDTDNDGI VSIEELKSGLRNF GSQLGES AEFREAFSLFDKNNDGKI TTKELGTVMRSL GQNPSES AEFKEAFSLFDKDGDGTI TTKELGTVMRSL GQNPTEA
UniRef90_V4K1E2 UniRef90_A0A059DD12 UniRef90_J3MN10 UniRef90_M0SGM0 UniRef90_Q5GAP6 UniRef90_V4USS4 UniRef90_S5S2U5 UniRef90_F8U035	E HL HKAFNFFDQNQSGYI E I E E L R E ALND E D D T S S E E E GI K D MF K K M D V D D D G I S I E E L K A G L R N F G S Q L A E S E E L T K A F S I D Q D K N G K I S D V D I Q R I A K E L G N F T Y Q A N I K K I F Y M M D K D K N G T L T L E E L K E G L H I I G N P V P E P E Q I R Q M I A D V D K D G S G A I D Y E E F E H M M T A K I G E R D S K E E H L D K A F Q Y F D K D N D R Y I T V D E L G I A F K E Y N M G D D A K V I R D M F T L M D T D N D G K V T Y E E L K A G L R K V G S Q L G E P D D N K K A F Q Y F D K D N D R Y I T Y E E L K A G L R K V G S Q L G E P D S C E E E L K A G L R K V G S Q L G E P D S C E E E L K A G L R K V G S Q L G E P D S C E E E L K A G L R K V G S Q L G E P D S C E E E L K A G L R K V G S Q L G E P D S C E E E L K A G L R K V G S Q L G E P D S C E E E L K A G L R K V G S Q L G E P D S C E E E L K A G L R K V G S Q L G E P D S C E E E L K A G L R K V G S Q L G E P D S C E E E L K A G L R K V G S Q L G E P D S C E E E L K A G L R K V G S Q L G E P D S C E L E E L K A G L R N F C C L R S C C C S C C C S C C S C C C S C C C S C
UniRef90_F8U035 UniRef90_L1JGV1 UniRef90_F2DRK9 UniRef90_UPI000350E924 UniRef90_A0A059ABE8 UniRef90_H9GRN3 UniRef90_H3D320 UniRef90_UPI0002C45647	E DI I E A F R V F D K D G N G T I S A A E L R H V M T N L G E K L T D A E L R H V M T N L G E K L T D A E L R H V M T N L G E K L T D A E L R D L N K L E R E E E K L R E A F D V I D K D G D G Y I S A T E L R Q V M T N L G E K V T D Q A G I K D A F E L M D T G K R G K I T L D E L R I G L Q K L G H Q I P D A S E F K E A F L L F D K D G D G A I T T Q E L G T V M R S L G Q N P T E A D E V K K A F A I I D Q D N S G F I E E D E L K L F L Q N F S A S A R A L S D K K F L R F A F L V E D K N R D G F I S A A F I R H V M T T S G F R I S D A
UniRef90_UPI0000E35C8A UniRef90_F7ECE5 UniRef90_UPI00038338B9 UniRef90_QZSA4 UniRef90_E5GBE9 UniRef90_V4ZJF5 UniRef90_F2EIP1	EDIRQAFRVFDKDGNGFVSAAELRHVMTRL GEKLSEE DDVKKVFHILDKDRSGFIEEDELKLLQGFATDGRALSDK EELANCFRVFDRNADGFIDIEELGEILRA TGEPVTDE KGLKTLFTNIDTDKSGNITLEELKTGLTRL GSNLSKT EHLRAFSYFDKDGNGFIEPDELRDALVE DGADDCTD SACQAAFKVFDLDGDGKITVDELRDALVET RCVQEAFSKE ENYTQMFQTMDKDKDKDGTLTLEELKE GLRINGHPVPES
UniRef90_Q39485 UniRef90_UPl0002658DBF UniRef90_D8U114 UniRef90_A9ZTE8 UniRef90_A0A024TKZ2 UniRef90_J0XG43 UniRef90_V4T483	A E F R E A F S L F D R D G D G T I T T K E L G T V M R S L E G Q N P T E A E A F S L F D R D G D G T I T T K E L G T V M R S L E G Q N P T E A E A L N D D E L G A F R F R F D Q N Q S G Y I E E L R A G L R N F G G S Q A A E S Q G S F T Y Q G G R N F Y P P E P S E A A E L R A F S L D Q D K N G K I S D L Q R L A K E L G G S Q L A F Y Q G G N P R D S K E A N I K K A F S L D Q D K N G K I S D L D L K E G L A F K E Y N M K D S D S D D D A A K K A F S L D Q D K N G T L T Y D E L G L A F K E Y N M K D S D S D D D S C S C L T D D E L G L A F K E Y N M K D S D S D D D D S C S C D D D V K K A F G L D D D C S C S C D D D V K K A F G L D D D C S C S C D D D V K K A F G L D D D C S C S C D D D V K K A F G L D D D C S C S C D D D V K K A F G L D D C S C S C D D C S C D D D V K K A F G L D D C S C S C D D C S C D D D V K K A F G L D D C S C S C D D
UniRef90_I1GLT7 UniRef90_W1PU66 UniRef90_R8BMW6 UniRef90_UPI00046B4C0A UniRef90_UPI00042BB45E UniRef90_UPI000252AB97 UniRef90_J3SIC5	A DILKK MF D G M D V N K N G K L T F E E F K A G L R K L G N K M H D S E D M R E A F N V F D Q N G D G F I T V E E L R S V L G S L G L K Q G R T V D E E L K E A F K V F D R D N S G T I S A A E L R Q V M L S I G E K L T D D D I K R V F R I L D K D K S G F I E E E E L G F I L Q G F Y P D A R D L S V K Q E L R D A F R V F D K H N R G Y I T A S D L R A V L Q C L G E D L S E E N L A S A F A Y F D K D G S G Y I T E E L Q Q A C K E L G L S D H
UniRef90_C1N8S7 UniRef90_I7GAW8 UniRef90_K9LKT3 UniRef90_UPl00042BD2BE UniRef90_W4FZJ3 UniRef90_D2HEB3 UniRef90_A7SRU7 UniRef90_X2D2M1	DDI KRVFRI LDKDKSGFI EEEEL GFI LQGFYPDARDLSVK QELRDAFRVFDKHNRGYI TASDLRAVLQCL GEDLSEE ENLASAFAYFDKDGSGYI TIEELQACKEL GLSDH AELDAMVREIDADGNGEI DFPEFLTMM LRKMNEGNPEK QEI REAFDLFDADGTGTI DVKELKVAMRAL GFEPKKE DELREAFKVFDKDGNGKI SQQELKLVMKNL GENLTDE EDVKKVFHI LDKDQSGFI EEDELKFVLKGFTPDGRDLSDK ADLHAAFQLFDVNHDGFI SADELAYVLNL DK TPI SPA AKFKAAFSRFDTNGDGTI NTQGELGAVMRAL GQDLSEA DELMAAFQFDKDGNGSI TVTELKEVLDSL GEKLSED ESI JQMFQTMDTDKNGHLTFEELRD

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UniRef90_B4JT33	
UniRef90_F6XPM8 UniRef90_A0A022QEA6	EELREAFKI FDKDEDGFI SPAEL RFVMI NI GEKLTDE EQMAQVFRI LDQDRSGFI EEEL KLFL QNFSSSSRALTDA I EFQEAFSL FDKNGDGC TI II EEL ATVIRSLD QNPTVE AKFKEAFDRI DKNKDGTI NVQEL GAVMRSL GHNPSEA SQLKDIFQI LDRNQNGFI EEEEL KYFL QRFEVGARLLTAT AEFHEAFCLI DKDSDGFI TMEEL ATVI QSLD GHPTKE EHLPKAFNYFDKNQSGYI EIDEL REAI G GLELSEQ NDI KEAFDLFDPDGTGRI ATKELKVAI RAL GIEPKKE
UniRef90_F1RYW2	AKFKEAFDRIDKNKDGTI NVQELGAVMRSL _ GHNPSEA
UniRef90_UPI000441A230	SQLKDUFQILDRNQNGFIEEEELKYFLQRFEVGARLLTAT
UniRef90_B9S4P7 UniRef90_M0SFZ6	EHLPKAFNYFDKNQSGYI EI DELREAI G GLELSEQ
UniRef90_H9JZC2	NDIKEAFDLEDPDGTGRIATKELKVALRAL GLEPKKE
UniRef90_UPI0002C3658F UniRef90_U6GNE8	NDIKEAFDLFDPDGTGRIATKELKVAIRAL GLEPKKE EELKEAFKVFDKDQDGYISPNELRNVMINL GERLTDE GLLHDAFAALDKNADGVLTVNEILQGLKQCGVEGD
UniRef90_K4APC3	A GL R QMF K A V D V K N R G V I T L G E L R E G L R R Y G T E L E D R
UniRef90_X8JCU5 UniRef90_C3ZEB6	QELDRIMNEVDLDHSGTI DFNEFLAMMSKM GSNTI DE DEI TDMMKSVDVDGNGTI DFQEFLSMMGSRPSVHAVDRDV
UniRef90_R7THE8	E E V E E A F R V F D K E S N G F L S A A E L R H I M T N M G E K L T D E
UniRef90_J9IVL5 UniRef90_R0HE42	ERLKTAFQLFDRDDNGFISAQELKQVLDQ GKKFDEK TEL <mark>C</mark> EAFSAFDVDGDG <mark>C</mark> ITAKELGTVMRSL GQ <u>NP</u> TKA
UniRef90_H2M0W3	QDIKKVFGILDNDASGYI EDEELKFFLQRFTPSARVLTDK
UniRef90_Q8RZB5 UniRef90_I1JF64	EDLRHAFRVFDADGNGTISAAELARVLHGL GEKATVQ ALFHEAFDVVDKDSDGFISVDELLSIVRSLEGNS TKE
UniRef90_C5WMZ7	A A F T E V F A L F D K N S D G F I T S E E L G T V M K S L G Q N L T G S
UniRef90_UPI00046BDAFA UniRef90_F6HYQ9	EELLKAFKLFDDDATGTITLNNIKRVAKEL GETLTDD DGIRQIFHMMDTDKNGNLSFEELKDGLHKL GHPVADP
UniRef90_G5EEG0	QELLDMVNEVDIDGSGTIDFGEFCQMMKRMNKENDSE
UniRef90_B3LYL1 UniRef90_UPI0002B410E1	EEMREAFKIFDRD <mark>C</mark> DGFISPAELRFVMINL GEKVTDE YKK <u>A</u> FRYYDKNKDGFINAKEFL <mark>C</mark> LLRNL GEN <u>P</u> TED
UniRef90_P02629	GLLHDAFAALDKNADGVLTVNEILQGLKQCGVEGD AGLRQMFKAVDVKNRGVITLGELREGLRR QELDRIMNEVDLDHSGTIDFNEFLAMMSKM GSNTIDE DEILTDMMKSVDVDGNGTIDFNEFLAMMSKMPSVHAVDRDV EEVEEAFRVFDKESNGFLSAAELRHIMTNMGKKFDEK TELCEAFSAFDVDDGGCITAKELGTVMRSL QDIKKVFGILDNDASGYIEDEELKFFLQRFTPSARVLTDK QDIKKVFGILDNDASGYIEDEELKFFLQRFTPSARVLTDK QDIKKVFGILDNDASGYIEDEELKFFLGRFVMKSL GQNLTGS AAFTEVFALFDKDSDGFISVDELLSIVRSLEGNSTKE AAFTEVFALFDKDSDGFITSUDELLSIVRSLEGNSTKE AAFTEVFALFDKDSAGFITSEELKFFLGTVMKSL GETLLTDD DGIRQIFHMMDTDKNGNLSFEELKDGTVMKKEL GHPVADP QELLDMVNEVDDDGSGTIDFGEFCQMMKRMNKENDS EEMREAFKIFDRDCDGFISPAELRFVMINL GEKVTDE YKKAFRYYDKNKDGFISPAELRFVMINL GEKVTDE YKKAFRYYDKNKDGFISPAELRFVMINL GEKKTDE TLKEVFGILDQDKSGYIEEEELKFVLKGFAAGGRELTAN
UniRef90_M0U8L0 UniRef90_UPI00033162E8	EELKEĀFKVFDKDQNĠYISEAELRNVMMSL ĞEKLTDE EEILKAFKLFDDDETGKISFKNLKRVAEEL GENLPDE
UniRef90_L5L1C7	SQVKDVFRFIDNDQSGYLDEEELKFFLQKFESGARELTES EYLEKIFKALDKNGDGHLSKEEILEGYEE HFGIPINEE
UniRef90_J9I6Z2 UniRef90_UPI0003BB9BC0	YKKAFRYYDKNKDGFINNAKEFLCLLRNL GENPTED DTLKEVFGILDQDKSGYIEEEELKFVLKGFAAGGRELTAN EELKEAFKVFDKDQNGYISEAELRNVMMSL GEKLTDE EEILKAFKLFDDDETGKISFKNLKRVAEEL GENLPDE SQVKDVFRFIDNDQSGYLDEEELKFFLQKFESGARELTES EYLEKIFKALDKNGDGHLSKEELLEFFLQKFESGARELTES EYLEKIFKALDDDETGTISFDNLKRVSKEL GEDITDE SDVRRAFDYFDTDGDGSITVQEFEQAFKKMSDVERANLG EVLQKAITDIDRKGDGYINFEEFVELNTKGMDQNEVLEN KEVKDLIREVDPNGDGDIDFDEFLQLMSEAPAPSSKDTDK
UniRef90_A4RUM3	S DV R R A F D Y F D T D G D G S I T V Q E F E Q A F K K M S D V E R A N L G
UniRef90_M4D3C0 UniRef90_N4V8H6	EVLQKAITDIDRKGDGYINFEEFVELNTKGMDQNEVLEN KEVKDLLREVDPNGDGDIDFDEFLQLMSEAPAPSSKDTDK
UniRef90_P20472	DDVKKVFHMLDKDKSGFIEEDELGFILKGFSPDARDLSAK EHIQKAFTYFDRNKSGYIELEELREALADEL EGTDED
UniRef90_B4FK79 UniRef90_K4GH65	DDVKKVFHMLDKDKSGFI EEDELGELKGFSPDARDLSAK EHIQKAFTYFDRNKSGYI ELEELREALADEL EGTDED DEVAKVFELMDQDNNGFI EKEEI KKFLQFFSSRARTLTEA KELRDAFREFDTNGDGEI STSELREAMRKLL GHQVGHR DKLHQAFKMLDQDGNGKI SKNELKNVLGNDQQLSKY DDQ EMIREAFRVFDKDGNGVI TAQEFRYFNYFQVHMGMQFSED
UniRef90_UPI000273DAD4	KELRDAFREFDTNGDGEI STSELREAMRKLL GHQVGHR
UniRef90_G0QSX7 UniRef90_U1MKR5	DKL <mark>H</mark> QAFKMLDQDGNGKISKNELKNVLGNDQQLSKY DDQ EMIREAFRVFDKDGNGVITAQE <u>F</u> RY <u>FMY</u> FQV <mark>H</mark> MGMQ <u>F</u> SED
UniRef90_UPI000359FEE5	DALREAFRIFDKDGNGLISASEIRHILCNL GEKLTDE
UniRef90_S9YKV7 UniRef90_B3N430	DALREAFRIFDKDGNGLISASEIRHILCNL GEKLTDE NEFKAAFDIFVLGEDGCISTKELGKVMRML GQNPTPE DELKEAFRLYDKEGNGYITTGVLREILRELD DKLTND
UniRef90_A0CW38	EKILIY QAFK MILIDILID GSGKII ID KQEILIQTIV LI GKSEKIV I ID EK
UniRef90_UPI000441EB97 UniRef90_U3KA09	QEIKEGFDLFDVVGSGTRDVKELKIAMXAL GFEPKKE RELRDAFELF <mark>H</mark> TDGSGSIDLRELKVAMRAL GFEPKKE
UniRef90_F6T4Y8	A E F K E A F S L F D K D G D G T I T T K E L G A V M T S L G Q N P T E A
UniRef90_P86431 UniRef90_Q8HZJ4	D D V K K X X X V L D Q D A S G F L E V E E L K L F L Q N F C P K X X X L T D A D E L Q A A F E E F D T D H D G Y I G Y R D L G E C M R T L G Y M P T E M
UniRef90_F7BCR7	QEFKEAFNMIDQNRDGFIDKEDLHDMIASL GKNPTDE NELAAAFRYFDKDGSGFIEIDELRQELG PNEQ PEIEKVFKILDQDKSGFIEHDELQSFLQNFSKGARALTAA QELRRIFQALDENGDGVVTRDELRKFQTTFGLEGEFL SEFKEAFSLFDQDQDGKITSKELGLVMRSL GQTPTES
UniRef90_M8BEA7 UniRef90_W5KKS3	PEILEKVIFKI LIDODKSGFI EIIDELKQELIG PNEQ
UniRef90_J9IEW2	QELRRIFQALDENGDGVVTRDELRKFQTTFGLEGEFL
UniRef90_C4R1N7 UniRef90_U6IZJ9	SEILIFKI FSILIFUKNUUUGILI II I UULIGI IVIMKSILI GIVINILISKK
UniRef90_Q5CTY5	SNILIK FAFILLI IDAN <mark>C</mark> DGTILIT PQFILLIT GILIK N. SGILIT FILIPS
UniRef90_B5THA2 UniRef90_C1BS55	NEFREAFTLEDKOGDGSITTKELGAVMRAL GQNPTEE EMVRMAFRVLDRDGSGTITSAEFRHLMTNL GDKLSAT
UniRef90_V9EAT2 UniRef90_D0U6N4	E H L I N A F N Y F D T T N T G H I T K A D L V Q F M G S E E
UniRef90_X1CHP7	KVFREAFELFDHDGSGFITTDEIGVVMRRL GQNPSPK KQFLESFKLFDMDGNGYISTKELKHIMTSF GDKLTEE
UniRef90_UPI0004575285 UniRef90_UPI0002C32D5E	A E L R E A F K V F D Q E S K G Y I E WN T L K Y V L M S V G E P L N E E D E V R R V F K S F D T N G D G R I S V S E L G N V L K A L G S N V G E D
UniRef90_M5XF25	E E L S H MILLEVIDS D G D G F II D F K E F IV E L N T N G V D Q A E A L E N
UniRef90_W5LNB9 UniRef90_UPI0003EAD0EE	ADWQEVFKVLDQDKSGFIEEEELKFFLQNFVSGARELTES EELSKAFRIIDKDGNGKISDVDIQRLAIE TGEPFTID
UniRef90_W5F186	EELSKAFRIIDKDGNGKISDVDIQRLALE TGEPFTID NELPEAFKYFDKDGNGYIEMEEL MEALGDDELGPDEQ
UniRef90_M0XBV7 UniRef90_UPI00045DA9E5	A E L K E A F R M Y D A D R N G L I S A R E L H R V L R Q L G D K C S V S T E L R V A F Q E F D K D R D G R I T V A E L R E A M P A L L G E P L A G A
UniRef90_G5BSV3	TELRVAFQEFDKDRDGRITVAELREAMPALL GEPLAGA EESREAFRVFDKDGNGYICAGELCHAMTNL GEKLTDK
UniRef90_T0RWL6 UniRef90_Q9C9U8	TELRVAFQEFDKDRDGRITVAELREAMPALL GEPLAGA EESREAFRVFDKDGNGYICAGELCHAMTNL GEKLTDK EEIKEAFSLFDTDGSGSIDARELKAAMRAL GFQVKKA VEIREAFDLYDQNKNGLISSSEIHKVLNRL GMTCSVE TELRDAFREFDTNRDGRISVGELRAALKVLL GERLSQR
UniRef90_G3TVC5	TELRDAFREFDTNRDGRI SVGELRAALKVLL GERLSQR
UniRef90_K8FER5 UniRef90_T1JS65	DAMEKTFAYFDVDGDGSITLEEFKMALDKM PAGARANFG AEFKEAF SFDKDGDGEITTAELETVMRSLD QNPTEA
UniRef90_A0A022QN39	
UniRef90_A0BWL4 UniRef90_UPI0004404E88	SELGKLFKQLDKNGDGVLTMDELTHGLTGLKKE SQN EELREAFREFDKDKDKDGYINCRDLGNCMRTM GYMPTEM DKYVQMFHLMDKDKNGHLSLEEL MDGLHINGEPVPES EKLLESFLLFDQDGNGFITAEELKQVLGNHLSQKDN K KEIKEAFREFDKDKDKNGHLSLEEL GFEMTPE AELKRVFQMFDKNGDGRITKKELNVAMRAL GFEMTPE AELKRVFQMFDKNGDGRITKKELNDSLENL GIFIPDG
UniRef90_J3MUV8	DKYVQMFHLMDKDKNGHLSLEEL MDGLHINGEPVPES
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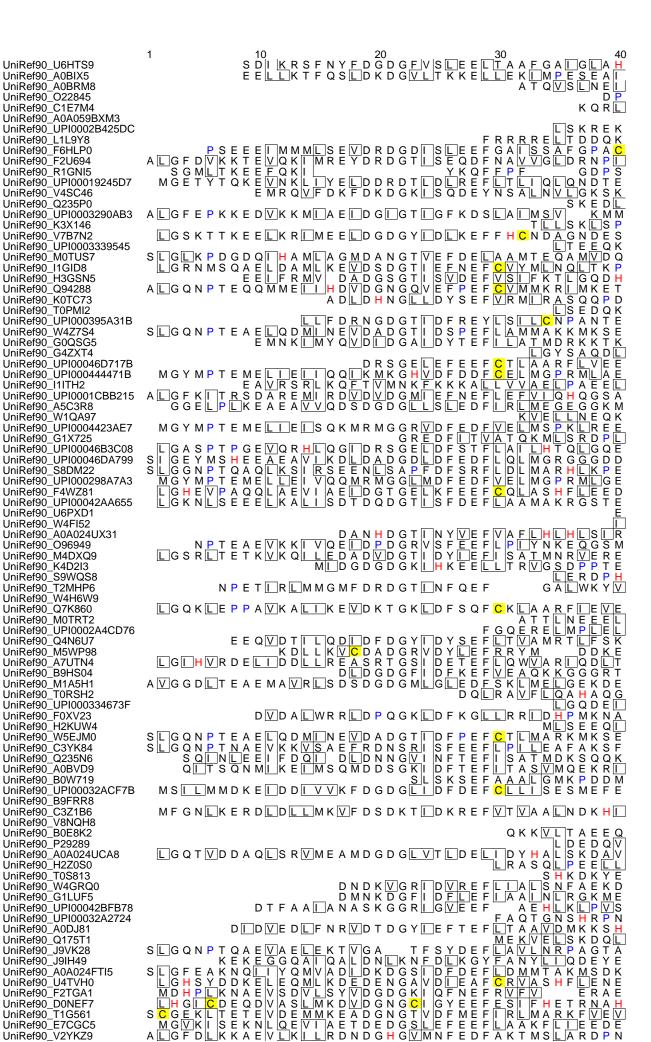
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Uniket90_UP100046BB40E UniRef90 W5FRW8	DAEKI I REVDVD DKDGKI HYTELL VELAECFRIFDRN ADGYI DAEELAEIFRAEIFRAELIES GRIFDRN ADGYI DAEELAEIFRAELIES GRIFDRN ADGYI DAEELAEIFRAELIES MVVAV DNDGDGFV DFDEFLALL EVYELI DSVDVD DGDGFV DFPEFL TMM MEVDHIL QSVDFDRNGYI EYSEFV TV MM EVDHIL QSVDFDRNGYI EYSEFV RV MK EVDKIL MK QFDLDGNGFI DLDEFVAL ELRDAFD DGNGFI DLDEFVAL MK EVDKIL MK QIDQDGNGSI DYSEFV RLVLS RTDK KM QFDGDGGI SVDEFF RAALKA ALKA GROEDS QGNI NYEEFT RMMK A GELRDAFREFDTNGDGCI SVGELRAALKA ALKA ALKA ALKA ALKA MI DEADDGDGDGFI NEEFT RMMK A EI QEMI DEADDGDGRI NEEFT RMM MS CMN MI KKADDGDGDGRI NEEFT RMM MS CMN MI KEADTDGDGDGI SVGEFSRAITA ELQEMI DEADDGDGVI SFNEFK MM MS CMN MI KEADTDGDGGI NEDEFLRI MK A EI QEMI DEADDGDGVI SFNEFK MM MS CMN MI KEADTDGDGGI SFNEFK MM MK A ELQEMI DEADDGDGVI SFNEFK AMM MS CMN MI KEADTDGDGVI SFNEFK AMM MS CMN MI KEADTDGDGVI SFNEFK AMM MS CAEIVAAAVDRDDGDGVI SFNEFK AMM MS CAEIVAAAVDRDDGDGVI SFNEFK AMM MS CAEIVAAAVDRDDGDGTI DFEEF MRWM MS CAEIVAAAVDRDDGDGVI SFNEFK AMM MS CAEIVAAAVDRDDGDGVI SFNEFK AMM MS CAEIVAAAVDRDDGDGVI SFNEFK AMM MS CAEIVAAAVDRDDGDGVI SFNEFK AMM MS CAEIVAAAVDRDDGDGTI DFEEF MRWM ME CRKMI GGVDSDGDGTI DFEEF GELYRA ALKG GVLENK MI GGVDSDGDGTI DFEEF GELYRA ALKG GVLENK MI GGVDSDGGDGTI DFEEF GELYRA ALKG GVLENK MI GGVDSDGGDGGVI SYEE ELGAL LKG GVLENK MI GROVDKSGSGGQVE YK DFVEEF LA LKG GVLEIM MREYDKSGSGGQVE YK DFVEEF LA LKG GVLEIM MREYDKSGSGGGVEEK K GFVEEF LA LKG GVLEIM MREYDKSGSGGGVEET KALL MELDT TO TO TO TO TO TO TO TO TO TO TO TO TO	
UniRef90_M4EVF2	ECRKMI GGVDKDGDGTI DFEEFKIMM	
UniRef90_F6l377 UniRef90_G7LAK6	E C R K MI G G V D S D G D G T II D F E E F	
UniRef90_K3Y9L6	ELASMLARLDANGOGCVDVEEFGELYRA	
UniRef90_W5H0J2	EAQEMVAQADSDGYGLNSIEELGALLKG	
UniRef90_Q5CGA7	QV LEI MR E Y D K S G S G QV E Y K D F V E L M	
UniRef90_Q8IDV5 UniRef90_Q011C4	ELYFLIKQLDTDGNGLIDYTEFLA QLEEVVASVDLDGSGDLDYEEFI EVARMMTELDTDGDGFIDIVEFRKF TWQEILKESDTNNDGKISQQEFIELL	
	EVARMMT ELDTDGDGFI DIVEFRKE	
UniRef90_G0R4W4 UniRef90_A5AW02	EVARMMTELDTDGDGFI DIVEFRKF TWQEILKESDTNNDGKI SQQEFIELL QLDALSQKADKNSNGLIEFSEFVSLV ELREMIREADRDFDGEVGKNEFVEVMK EIELLMGEVDLNKDRVIDYSEFLAMMK QLDEAVDEIDEDGSGKIEFEEFWELM FTDTVFSKIDVNGDGELSLEEFMEGVQ LKAVFEELDVDGDGYITRSEFQRMGHS ELQAMIDEFDRDQDGQISEEEFLSIMK EAKLMLREADTNGDGKISREEFFDLLK IIDEMIQMLDVNGDGQVSFREFRAMCRS	
UniRef90_A2FAT5 UniRef90_J9I241	ELREMIREADRDFDGEVGKNEFVEVMK	
UniRef90_J9I241 UniRef90_H3ERH9	QLDEAVDEI DEDGSGKI EFEEFWELM	
UniRef90_UPI00044004D0 UniRef90_W2TZP5	FTDTVFSKIIDVNGDGELSLEEFMEGVQ	
UniRef90_A4VE20	ELQAMIDEFDRDQDGQI SEEEFLSIMK	
UniRef90_D8TVN3 UniRef90_K0SQ80	EAKLMLREADTNGDGKISREEFFDLLK	
01111 (0100_1(1 100E		
UniRef90_B9EI00 UniRef90_B5DYP4		
UniRef90_B4KH71	EL QEMIDEADLNGDGEVSREEYLNVVK	
UniRef90_G7YAN3 UniRef90_J9J4L7	II N E F II K T F D L D G D G Q II T L S E Y Q R V L V W A S V I Q Q V D V N N D N E II S E II E F K E M M	
UniRef90_J9ITW2	QLCEAFKMFDQDGDGYVGGEDLVNVWKS ELQEMIDEADLNGDGEVSREEYLNVVK INEFIKTFDLDGDGQITLSEYQRVL VWASVLQQVDVNNDNEISFLEFKEMM TIKDLLQQFDENLEGEITFEKFTQMMK DCKRMIMKVDVDGDGMVNYKEFREMMKG	
UniRef90_W9RFF4 UniRef90_G1UD17	DCKRMII MKVDVDGDGMVNYKEFREMMKG	
UniRef90_J9HJX6	ĔĬŇĔŰŸĘSĘDQNKDGRIJSYAEĽ <mark>C</mark> Q_	
UniRef90_K4CAF5 UniRef90_A5B6T8	ELDHMIEKI DVNGDGYI DVDEFGTLYKS	
UniRef90_A0E457	DCKRMI MKVDVDGDGMVNYKEFREMMKGEVDEMI EINEIYFSFDQNKDGRISYAELCQ ELDHMIEKIDVNGDGYIDVDEFGTLYKS DLVQMIEKIDVNRDGYVDMEEFGALYQ QWENVFMELDTNGDGEVSFQEFTSLI ELKEIIKREEI SGTIDFPHFLDVMK ELIEAFKVFDKNGDGLISKTELKQVLTS ELRRMVTAGDKDGQLDFQEFVQYLR DIKAIYKHVDANNDGKINFQEFL DLQRAFQAFDKDNDGKITVEEVHELLK EISEIVQEADVNGDGTVDFE	
UniRef90_B8LQA7 UniRef90_G0V877	ELKELIKREEL SGTIDFPHFLDVMK	
UniRef90_M4AQT3	ELRRMVT AGDKDLDGQLDFQEFVQYLR	
UniRef90_A0A016UYW5 UniRef90_A0A022RBH6	DI KALYKHUDANNDGKI NFQEFL	
UniRef90_T0NK06	EI SELVQEADVNGDGTVDFE	
UniRef90_M4EM01 UniRef90_H3HC31	ELKETFEFFDADRDGKI SAEELLRVFSA	
UniRef90_D7L8W2	EI NVMI KEVDGDGDGTI RLEE	
UniRef90_V4VT03 UniRef90_W4XVU2	EI SEI VQE A DVN GD GT V DF E L K ETFEFFDA DR D GKI SAEEL LRVFSA K L K F A F L V F D E D G N G V I T R Q E L M K I L K A EI N V M I K E V D G D G D G T I R L E E E L T Q M I E R I D V N G D G C V D I D E F G A L Y K S F C N L I V R R F D R N H A G T I K F D D F I Q M L K S E L R A M I E E F D L D E D G E I N E Q E F I K I	
UniRef90_W4XVU2 UniRef90_G3AHV5	ELRAMIEEF DLDED GEI NE QEFLKI	



UniRef90_U6HTS9	50 60 70 80 <u>D</u> R I R N L F Q E <u>A</u> D E N G D G <u>S</u> I D Y K E F V S L M <u>A</u> T S F Q S Q T Q <u>A </u> V T <mark>H</mark>
UniRef90_A0BIX5	LQVEQIMQSVDKNQSGLIDYSEFVMATINRK TALTQE
UniRef90_A0BRM8	LQVEQIMQSVDKNQSGLIDYSEFVMATINRK TALTQE AELSKLFQSLDKDGNGQLSFEEF KNGFKEKKN SELKRVFQMFDKNGDGRITKEELNDSLENL GLYLPDK
UniRef90_O22845 UniRef90_C1E7M4	KEI KAKFALF DADNS GQI NAAELAT VLRAV GLNPTEH
UniRef90 A0A059BXM3	ELRRVFDYFDENGDGKISPAELRSCVSSL GGDLSSE
UniRef90_UPI0002B425DC UniRef90_L1L9Y8	K D L Q Q L F D S F D H D S S K T I N L E E L E E V V K C L N L D L R K D L E L K V V M K A L G F D P T K E
UniRef90_F6HLP0	DELRDAF <mark>CF</mark> FDTDRDGKIITAEELNQVFAAIG DDR <mark>C</mark> TLE
UniRef90_F2U694 UniRef90_R1GNI5	EEVMKAFKLFDEDQTGK SIGNLRRVAREL GEDIPDD SF <u>AD</u> YVFNVFDADKSGS D <u>F</u> KE <u>FIC</u> ALSVTSRG <u>K</u> MED
UniRef90_UPI00019245D7	E E V I E A F K V F D K D Q S G F L E C S E L R R M V N L G D K L T D D
UniRef90_V4SC46 UniRef90 Q235P0	SELKRVFQMFDKNGDGRITKEELNDSLENL KEIKAKFAIFDADNSGQINAAAELATVLRAV ELRRVFDYFDENGDGKISPAELRSCVSSL KDLQQIFDSFDHDSSKTINIEELLEEVVKCLNID IELKEAFEIFDTNQSGRIDAKELKVVMKAL DELRDAFCFFDTDRDGKITAEELNQVFAAIG GFDPTKE DELRDAFCFFDTDRDGKITAEELNQVFAAIG GFDPTKE DELVMKAFKLFDEDQTGKISIGNLRRVAREL SFADYVFNVFDADKSGSIDFKEFICALSVTSRGKMED EEVIEAFKVFDKDQSGFLECSELRRMVNL AEMAKSFRFIDTDKDGYIDFKEFIEMMHDMG DNRVKKN LQFKSIFEKMDLNNDGQLTKDEIESGFKQFQEF FHGDY KKILKAFKLFDDDDTGSVTLINIKRVAKEL GENLTDD
UniRef90_UPI0003290AB3	KKI LKAFKLFODDOTGSVTLINIKRVAKEL GENLTOD
UniRef90_K3X146 UniRef90 V7B7N2	EEL FRKYDTDGSGNISVQEFLAMLPDL GETMSDA KELRDAFDLYDVDKNGLISAKELHDVLSKL GEKCSLS QEIQETFNLFDSDATGTINLKELKLAMRVL GFEPKTE KQLLEVFRCFDRDGNGFISAAELARSMARM GQPLTFV
UniRef90_UPI0003339545	QELQETENLEDSDATGTINLKELKLAMRVL GFEPKTE KQLLEVFRCEDRDGNGEISAAELARSMARM GQPLTEV
UniRef90_M0TUS7 UniRef90 I1GID8	KQL LEVFRCFDRDGNGFISAAELARSMARM GQPLTFV
UniRef90_H3GSN5	D D V R E L V Y Q M D R N G D G Q I D L E E F S K M L Q K H
UniRef90_Q94288 UniRef90_K0TC73	DMUREAFKUFDRDGNGVITANEFKUFMINMGM <mark>C</mark> FDEVEVE
UniRef90_T0PMI2	KELMEAFELFDINKSGTVDHYELKVMMRAL G <u>F</u> DVKK <u>S</u>
UniRef90_UPI000395A31B UniRef90_W4Z7S4	QDIRKTFEACDRNGLISAEEFVEVMKK LMGDDTLTLD DDVRELVYQMDRNGDGQIDLEEFSKMLQKH DMIREAFKIFDRDGNGVITANEFKLFMINMGMCFDEVEVE QSPSELFQQMDRDRSGTLDFAEFSRVFVQFNPSASMD KELMEAFELFDMDEDGTITEDEFASLIQSALRLPEL EDIREAFRVFDKDGNGYI
UniRef90_G0QSG5	EKLQESFNLFDKDGNGSITAEELRQVL GGQMN <mark>C</mark> KDNK
UniRef90_G4ZXT4 UniRef90_UPI00046D717B	ELAREQFA <mark>H</mark> YDTDSSGSINANELHKLFTNL GEQLTLN DELREAFRLYD <u>K</u> EGNGYIT <u>TDVF</u> RDILHELD DKLSPE
UniRef90_UPI000444471B	KELR <mark>C</mark> AFKQFD <mark>C</mark> DGDGKI TLEELKEGMKTLL GEKLKKG
UniRef90_I1ITH2 UniRef90_UPI0001CBB215	DELREAFRLY DKEGNGY I TT DVFR DI LHELD DKL SPE KELRCAFKQF DCDGDGK I TLEELKEGMKTLL GEKLKKG EAITELF HMLDTNNDGHLT I EELRK GLQMIGNNVNDT DEIKQGFQMF DF DGT GQLTLDNLKLAC KET GVKFT EQ NELREAFGMY DMDGCGF I TPKSLKRMLSRL GQKKSVD QEIREAFTLF DMNGDGYLDYHELKVALRAL GFDMSKR
UniRef90_A5C3R8	NELREAFGMYDMDGCGFITPKSLKRMLSRL GQKKSVD
UniRef90_W1QA97 UniRef90 UPI0004423AE7	QEIREAFTLFDMNGDGYLDY <mark>H</mark> ELKVALRAL GFDMSKR TELKLAFREFDTDGDGAISSLELRQAVTALL GEQLNAQ
UniRef90_G1X725	T E L K L A F R E F D T D G D G A I S S L E L R Q A V T A L L G E Q L N A Q E E I R R A Y T M F D E D G K G G I S L A D L R R L A K D I G E N L E E E
UniRef90_UPI00046B3C08 UniRef90_UPI00046DA799	EEI RRAYTMFDEDGKGGI SIADLRRIAKDI GENLEEE DEI LLAMLMADKAKTGFLAASELRTKLTSL GERLTHR EDLKKAFEMFELEK GVI TPRSLQRMLHRL GDSKSYH RQLRDAFKVLDKDGTGYVVVSDLRHILTSI GEKLEAE KELQSAFVQFDLDGDGKI NEEEMKEALKSLL GEKLKKG
UniRef90_S8DM22	RQLRDAFKVLDKDGTGYVVVSDLRHLLTSI GEKLEAE
UniRef90_UPI000298A7A3 UniRef90 F4WZ81	KELQSAFVQFDLDGDGKINEEEMKEALKSLL GEKLKKG
UniRef90_UPI00042AA655	REL QSAFVQFDLDGDGKI NEEEMKEALKSLL GEKLKKG QELREAFRMYDKEGNGYII TTEVFRDI LHELD DALSPE QELRAVFSVFDQNGDGHI TVE ELKQAMDQLGEKLSQE SELRDLFKEFDKNGDGKI TREELEMALIQL GELPSSS QGI SRMMRI MDDSGDKRLSRDEFK FGLRDYGVDCSDS QELQAVFRQLDTSGDGQL TAREFEMALKHVGYVVAPDKRQ EDFREGLKVFDKEGNGFI NSAELRHVLTSL GEKLNDE EDLFKAFQHFDKDNSGFI TRQELEMAMKEYNMGD EELVQLLNEVDVNGDGCI SLQEFGAISSAF GPPSCDS EELVQLLNEVDVNGBGKI SLRRHVLTSF GENMSDE
UniRef90_U6PXD1 UniRef90_W4FI52	SELRDLFKEFDKNGDGKITREELEMALIQL GELPSSS
UniRef90_A0A024UX31	QELQAVERQUDTSGDGQLTAREFEMALKHVGYVVAPDKRQ
UniRef90_O96949 UniRef90_M4DXQ9	EDFREGLIKVFDKEGNGFII NSAELRHVLTSL GEKLNDE
UniRef90 K4D2I3	E E L VQLLNEVDVNGDGCI SLQEFGAISSAF GPPSCDS
UniRef90_S9WQS8 UniRef90_T2MHP6	EE <u>II LI</u> KAFKLIFDDDDSGKII SLIRNLIRR <u>VARELI</u> GENMSDE TD <u>W</u> QN <mark>C</mark> FRSFDKDNSG <u>N</u> I DKNELIKQALI <u>T</u> S <u>F</u> GYRLISDQ
UniRef90_W4H6W9	DHADAFAQFDTNGNGVISYDEFDATLVKLGFDG LTPP
UniRef90_Q7K860 UniRef90 M0TRT2	E E L K E A F R V Y D K E G K G Y L T V A T L R G L L H E L D D K L S N Q A D L K D Q F D A L D V D K S G A I S L E E M R H A L A K D L P W K S K E S
UniRef90_UPI0002A4CD76	DEILIQEAFKEFDYDADGFII I <mark>H</mark> Y K DII IA D <mark>C</mark> M R T M G Y M P T E M
UniRef90_Q4N6U7 UniRef90_M5WP98	ERLENAFRLFDFDNSGTI <mark>CC</mark> NELAKMFGADDGGKES LELYRIFQAIDVEHNG <mark>C</mark> ILPEELWDALV KAGIEMDDE
UniRef90_A7UTN4	QDL VAAFRVFDRDGNGYII TRDELKSAM DMIGENVTEY
UniRef90_B9HS04 UniRef90_M1A5H1	T D Q T A F Q T F D S N G D G K S A E E V M E V L R R L G E R C S L E S E L R G A F E M Y E M E G S G Q I T P K S L K R M L S R L G E S K S I D
UniRef90_T0RSH2	SELRGAFEMYEMEGSGQITPKSLKRMLSRL GESKSID LRFKSMFEFLDANGDGFVTPAEFVKGLRQLGPLFASLQPA EELREAFLEFDKDQDGFISCKDLGNLMRTMGYMPTEMELT
UniRef90_UPI000334673F UniRef90_F0XV23	DDLRQLIKLVDADGDGFISCKDLGNLMRTMGYMPTEMELIT DDLRQLIKLVDADGDGKIQYEEFRVFVETAEH
UniRef90_H2KUW4 UniRef90_W5EJM0	DDL RQI I KL VDADGDGKI QYEEFRVFVET AEH EEL REAFGLFDKDHDGQI TLQELRSMM KLFNRPCTAD EEL KEAFRVFDKDGNGFI SAAELRHMC
11-1D-100_00\/1/04	
UniRef90_Q235N6 UniRef90_A0BVD9	EDFVEGLKVFDKDGNGLIVGAELRHVLTTL GEKLTEE EKLLQAFNYFDQDKNGYITQDELANIIGNSQENSILNNTQ ESLRAAFRLFDLDGNGTISRSEIQEIF GGIQIDNN FVRKMFNIVDKDQDGRISFQE FLETVVLFSRGKTDD VDLKEAFDVFDKDKDKDGKISVEELALILGSLGQRGGRPAVA QAYKEMFQVVDTDGDGRLTMEEIMLLSAAVGTQVGTDKD ELREAFKEFDRDRDGYINCRDLGNCMRTMGYMADMIGVK QEYKEAFQLFDKDNDNKLTAEELGTVMRAL GANPTKQ QALQKAFNSFDTDDKGFITPDTVGVILR KELRKLFNQFDTDNSGSIDSYELKHLLHRLGYNPSDA EVYEEAFYLLDPNDSGAIGAREVGIVMRAL GQEPTDE
UniRef90_B0W719	F VRKMFNI VDKDQDGRI SFQE FLETVVLFSRGKIDD
UniRef90_UPI00032ACF7B UniRef90_B9FRR8	DLREAFDVFDGNKDGLISAEELGTVLESLGOHGGRPAVA
UniRef90_C3Z1B6	QAYKEMFQVVDTDGDGRLTMEEIMLLSAAVGTQVGTDKD
UniRef90_V8NQH8 UniRef90_B0E8K2	ELLKEAFKEFDKDKDGY IN UKDL GNUMKI MGYMADMI GVK QEYKEAFQL FDKDNDNK L TAEEL GTV MRAL GANPTKO
UniRef90_P29289	QEYKEAFQLFDKDNDNKLTAEELGTVMRAL GANPTKQ QALQKAFNSFDTDDKGFITPDTVGVILR MMGVKISDR KELRKLFNQFDTDNSGSIDSYELKHLLHRL GYNPSDA EVYEEAFYLLDPNDSGAIGAREVGIVMRAL GQEPTDE EELERIFELFDRDVSGSISRNEMQTLLQALSSD MTMD EKLKFAFMVFDDDGNGVLSKMELMKILKNHMASNESEVAR QKLKWYFKLYDADGNGSIDKKELLNIFMAVQALNGQQTEE DALKELFLLFDRNGDGTIDFREYVIGLSVL CNPANTEE PEIREAFKVFDRDGNGFISKQELGMAMRSL GYMPNEV DQLKEAFNLLDQNGDGFLEIDEIKKIFNCKIQVQDEN KVLKEAFDKAGNGFISKQELGMAMRSL GHTLSEE DEFIKGFQVFDKAGNGFIGAGELRYVLTQL GEKMTDE KLSKLFREIDTDKSGTLSKQEFKKAYKFFGEKTFLLDE EDIQKVFTLFDDDQTGKITLRNLKRVAREL
UniRef90_A0A024UCA8 UniRef90_H2Z0S0	EVYEEAFYLLDPNDSGAIIGAREVGIVMRALI GQEPTDE
UniRef90_T0S813	E ELLE RUF ELF DRD VS GSI SRNE MQTL LQALSSD MTMD
UniRef90_W4GRQ0 UniRef90_G1LUF5	Q K L K W Y F K L Y D A D G N G S I D K K E L L N I F M A V Q A L N G Q Q T E E
UniRef90_UPI00042BFB78	DALKELFLIFDRNGDGTI DFREYVIGLSVL CNPANTEE
UniRef90_UPI00032A2724 UniRef90_A0DJ81	DQLKEAFNLLDQNGDGFLEIDEIKKI FNCKIQVQDEN
UniRef90_Q175T1	KVLKEAFDAFDKDKTGS PTDVVGT LELL GHTLSEE
UniRef90_J9VK28 UniRef90_J9IH49	KHLSKLFR <u>EII</u> DTDKSGTLS <u>K</u> QE <u>F</u> KK <u>A</u> YKFFGEKTFLLDE
UniRef90_A0A024FTI5	EDIQKVFTLFDDDQTGKITLRNLKRVAREL GETMSDA
UniRef90_U4TVH0 UniRef90_F2TGA1	EDI QKVFTLFDDDQTGKI TLRNLKRVAREL GETMSDA DEL KEAFRLYDKEGNGYI PTSSLREI LAALD DQLTGD NEL WRLFKSIDHDQNGHLDKEELRTAFAN AGLTIPKK DSI ETAFYQYDEDGNGELDHDEFRHFMKRYGL VKND DDI REAFKI FDRDGSGLIHADEFKAIMMS CGEKLTET EEL REAFRI YDKDCQGYI TTDLLKEI LVELDPK LTPT
UniRef90 D0NEF7	DSI ETAFYQYDEDGNGEL DHDEFRHFMKRYGL VKND
UniRef90_T1G561	DDI REAFKI FORDGSGLI HADEFKALMMS CGEKLTET
UniRef90_E7CGC5 UniRef90_V2YKZ9	E E L R E A F R I Y D K D C Q G Y I T T D I L K E I L V E L D P K L T P T E E L R R A F H L F D D D N T G K I S L K N L R R V A K E I G D R L E E D

	00 400
	90 100 FSSQIFNMFDVNKDGVIDINDLKELMK
UniRef90_A0BIX5 UniRef90_A0BRM8	RLEQAFKVIDKDNSGTITIEELKQMFQS DLLQYFEAIDTDSSGSIDYNEFIAAMM
UniRef90_O22845	DL LQYFEAI DTDSSGSI DYNEFIAAMM DLTQMIHKIDANGDGCVDIDEFESLYSS
UniRef90_C1E7M4 UniRef90_A0A059BXM3	HVQELLEEYDADNSGALSFAEFARL EAEMAVRASDLDGDGMLGFEEFQRLVES DMEKLFNAVDKDGSGTIEFDEFV
UniRef90_UPI0002B425DC	DMEKLENAVDKDGSGTIEFDEFV
UniRef90_L1L9Y8	E R G L N MV D K D G S G T I S Y E D Y F S M S S
UniRef90_F6HLP0 UniRef90_F2U694	DCQRMIAGVDKNGDGFVCFEDFSRMM ELKAMIEFDQDNDGEINEEFFLSIMTA
UniRef90_R1GNI5	K
UniRef90_UPI00019245D7 UniRef90_V4SC46	EVDAVIVKSDIDGDGSCNYEEFTRILM DIQGAFQLFDLNGDKKISAEELMEVLR
UniRef90_Q235P0	DII ID KII IF T NIVIDIL ID G N G KII IN Y S E F II IT
UniRef90_UPI0003290AB3 UniRef90_K3X146	ELKEILDEADHDGDGEINEEEFLRMM KATRIFKK <mark>C</mark> DTDGGGEIDLNEFKMAM
UniRef90_V7B7N2	DCRRMIISNIVIDADGDGSIVINFEEFKKMM
UniRef90_UPI0003339545 UniRef90_M0TUS7	EIKKMISEIDKEĞTĞKENFRDFWTTM ELTDMMQQADADGDGVISFEEFAAVM
UniRef90_I1GID8	QAKAMÜKKÜDKDGNEQLSYDEFIVLL
UniRef90_H3GSN5 UniRef90_Q94288	EMMN EVDCDGNGENDYEEFVKI_
UniRef90_K0TC73	DMRKII IFDFADSDRNGSII IDHDFFIVIRMIVIQA
UniRef90_T0PMI2	EVT QL VD EVDI HRSGRVHLDDFLEIMR DVS ALFKEIDADETGKLSYEEFKNF
UniRef90_UPI000395A31B UniRef90_W4Z7S4	DVSALFREIDADETGRESTEEFRNE
UniRef90_G0QSG5	LWIDIIGET DVN G D G E I S L E E F T E M M
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UniRef90_UPI000444471B	ELEEL LGDLDLNKDGSIDEDEFVMMLSA
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UniRef90_W1QA97 UniRef90_UPI0004423AE7	EVLNIIDEYDTDNRKLINYEDFFQYV EMDELLQDVDLNGDGKVDFDEFVMMLSS
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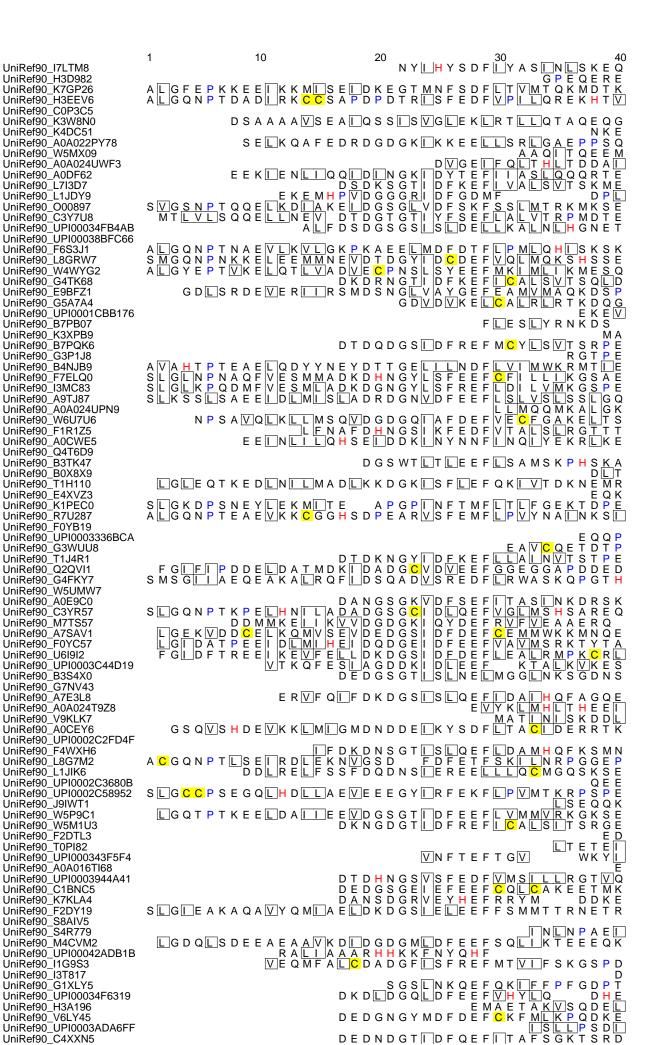
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UniRef90_M5WVB8	GEVKEAFDVFDENRDGFIDARELQRIL <mark>CILGLK</mark> EGSKLE
UniRef90_I7LUB8 UniRef90_U6ISF7	ANLE PAPKIVITULIE DUGYII SNGELIF SIVLIK MMIVIGI NILIT ELI
UniRef90_S2JR81	ĎDLKĽCFAKFDKNGDGQISEEELKEVMGGL GENLITDA
UniRef90_H2SX48	QKLRWYFKLYDLDGSG <mark>C</mark> IDRDELLLITKSIRALNGLPSEM
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UniRef90_U6N5Y8 UniRef90_U3IQB5	E E V K E A F S L F D I D G S G I V D P K E L K A A M Q T L G F E S K N P S O K I R W Y F K I Y D V D G N G C I D R H E I I I N I I I K A II R A II N G C D H E T
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UniRef90_W9R9U4	DELRQVERREDONDDGKI SAFELRAY FGSVGEYMSHE
UniRef90_M5X6F3	DELRQVFRRFDQNDDGKI SAFELRAY FGSVGEYMSHELAPR I FDLFDNNRDGTVDMRE I LCGFSSLKNSQGDDDELAKVFDHFDTNRDGKI SCDELQAYFMSI GESMSNAQEMRDVFSMFDKDNSGSI DTDELRDVMREL GENPSDKI IMRSAFRVFDADNNGLI SAEELRSVI RRVGFGNSSL REKLEWAFRLYDLDQDGYI TRDEMLSI VTAI YEMEENTPEK
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UniRef90_A0A022QWP5	I MRSAFRVFDADNNGLI SAEELRSVI RRVGFGNSSL R
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UniRef90_UPI00034F8CB9 UniRef90_GOR325 UniRef90_S8CPL5 UniRef90_UPI0003D70F65 UniRef90_B9T538 UniRef90_F0YMM1 UniRef90_B9T538 UniRef90_H2L5P6 UniRef90_Q4S3V3 UniRef90_Q4S3V3 UniRef90_UPI000350F962 UniRef90_UPI000350F962 UniRef90_UPI000350F962 UniRef90_UPI000350F962 UniRef90_UPI000350F962 UniRef90_UPI000350F962 UniRef90_UPICUB8 UniRef90_ITLUB8 UniRef90_ITLUB8 UniRef90_IS2JR81 UniRef90_G3VVB8 UniRef90_G3VPY8 UniRef90_A7RZF9 UniRef90_A7RZF9 UniRef90_A7RZF9 UniRef90_AFBU0 UniRef90_ITMI63 UniRef90_ITMI63 UniRef90_UPI000273B85C UniRef90_USIQB5 UniRef90_UPI000273B85C UniRef90_UPI000344559C UniRef90_UPI000344559C UniRef90_W9R9U4 UniRef90_M5Y1R2 UniRef90_A7SRU9 UniRef90_A0A022QWP5 UniRef90_A0A022QWP5 UniRef90_Q6XA12	K L K WAFS MY D L D G N G Y I S R S E M L E V Q A E V E Q L I K E A D L D G D G E V E I Q E M I E E A D R D K A K T I L R Q C D G D G D C K L D N E F D C K K I I M K V D V D G D T M I E I F K A I D L S R T T E I N F T E F L A A V D R R L L A A V D T D K D G C V S M D E F I L N E I K Q M I A D L D K E G S G T I D Y V D F L N M M E L E T M M Y H A D L A N K E T I N L Q D F Q Q I L R E A G Q L V A S V D A D G D G D C V S Y D E F I L Q D L A S L M K K L D V D G N G C I G Y E E F F K K M W M S E V E E L F K A G G I E P R G G Q V D Y K N F I N S M M P S S A E E F F D K I D I N G D G E L S Y E E F F K R M M M S E I K D M M H D A D T N H D G F I D F E E F F K R H M S E L Q D M I N S V D C D G N G T I R E K Q F V R W M S E V D D L L R E A N I G P N G K V K Y N E F I L Q W M V R E L I Q K L D R N K D G R I S F E E E F L D A I T A S A E E F F D K I D I N G D G E L S Y E E F I L D A I T A S A E E F F N K I D I N G D G E L S Y E E F I L D A I T A S A E E F F N K I D I N G D G E L S Y E E F I L D A I T A S A E E F F N K I D R N K D N K I S F E E E F L V K H M M S E V D D L L R E A N I G P N G K V K Y N E F L D E F V K K V K K I M E L A D L D R N G D G B L S C D E F K F M L M S A E E F F N K I D D R D G D G C L S K E E D F V K L M M S E L K A M V A E L D R D G D G G C L D F F C K F M L M E I Q M M I A D A D K D G S G E L R F A Q F M Q L M E V E Q L L A G Q E D A N G C L D F K F M L M E I Q D M I A D A D K D G S G E L R F A Q F M Q L M E I Q D M I A D A D K D G S G E L R F A Q F M Q L M E I Q D M I A D A D K D G S G E L R F A Q F M C L M E I Q D M I A D A D K D G S G E L R F A Q F M C L M E I Q D M I A D A D K D G S G E L R F A Q F M C L M E I Q D M I A D A D K D G S G E L R F A Q F M C L M E I Q D M I A D A D K D G S G E L R F A Q F M C L M E I Q D M I A D A D K D G S G E L R F A Q F M C L M E I Q D M I A D A D K D G S G E L R F A Q F M C L M E I Q D M I A D A D K D G S G E L R F A Q F M C L M E I Q D M I A D A D K D G S G E L R F A Q F M C L M E I Q D M I A D A D K D G S G E L R F A Q F M C L M E I Q D M I A D A D K D G S G



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UniRef90_UPI00038BFC66 UniRef90_F6S3J1	Y E DILIF WYILID H D E D G A V DILIF E F Q E GIL Q DIL GIVT LIS LIE E D F V E GIL R V F D K E G N G T V M G A E I R H V L A T I G E R M T E E
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UniRef90_G4TK68	EKLEWAFKLYDIDGDGFITYDEMLKIVQSIYKMTDQMVEK
UniRef90_E9BFZ1 UniRef90_G5A7A4	VDLKKSFAHFDANGDGEIITRSELKAGLVAKLC GENPGDD
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UniRef90_A0CWE5 UniRef90_Q4T6D9	EKCYLAFKQFDLNNTGKITVDNLWWWDIVKSVDQFKYISKQ QDGNGYISAAELRHVMTNL GEKLTDE AELRRLFRAYDLNKDGYVSFYELKNTMR GSITEE QDLVAAFRVFDRDGNGYITRDELKSAM DMIGENVTEY EEMLKAFTFFDKDKTGAISFKNLKRVAKEL GEKLSDE AEIREAFDKDELKSAM GFEPKKE
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UniRef90_B0X8X9 UniRef90_T1H110	QDLVAAFRVFDRDGNGYITRDELKSAM DMIGENVTEY EEMLKAFTFFDKDKTGAISFKNLKRVAKEL GEKISDE
UniRef90_E4XVZ3 UniRef90_K1PEC0	A EIREAFDLFDTEGTGTINVKEIKVAMRAL GFEPKKE
UniRef90_R7U287	EDFVEGFRVFDKEQNGTI HSAELRHLLTSL GERLTDD
UniRef90_F0YB19 UniRef90_UPI0003336BCA	A E I R E A F D L F D T E G T G T I N V K E I K V A M R A L D V I Q N A F A C F D V N D S G L I N D E F L K E S L M T M E D F V E G F R V F D K E Q N G T I L I F E K F D V N G S G S I T C A E V Q N V L R E L G V A G D Y T R Y Q S L F Q Q L D R N R D G V V D I G E L Q Q G L R S L N R F E N L F Q K L D R N G D G K V D I S E L Q E G L K N L E K L K W A F R M Y D V D G N G V I D V E E M T K I V Q A I Y N M P Q D S S E E E G M R E A F N V F D Q N G D G F I T V D E L R S V L S S L G L K H G R T A D Q L R D L F Q L V D T D G S G C L S H D E L S L M V S L L L W N I F Q R V D K D R S G S I S D T E L Q Q A L S N G T W K K I E Q S F K L F D L D G N G L I T K T E I N Q L F E T L R H A L K L F D K D G S G Y V S A T E L R Y V M T N L E L L L F K S L D R D Q N G K L D D L K N M L R K L Q A A D Q V K N A F K V F E G D A S G H I K V D V L I R A L T N D G T D K L T D E
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UniRef90_Q2QVI1	EGMREAFNÜFDONGDGFITVDEÜRSVLSSLGÜKHGR TAD
UniRef90_G4FKY7 UniRef90_W5UMW7	L WN L F Q R V D K D R S G S I S D T E L Q Q A L S N G T W T P F N P V
UniRef90_A0E9C0 UniRef90_C3YR57	K K E Q S F K L F D L D G N G L T K T E I N Q L F
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UniRef90_B3S4X0 UniRef90_G7NV43	EKLRFLFKVYDVDGNGFIDPFELKTVLQS <mark>CI</mark> SESSLEFSE
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UniRef90_V9KLK7	QELQEVEERLDEDSSGEINDCELHELLRD AGCQVPGY
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UniRef90_W5M1U3 UniRef90_F2DTL3	QKLNWAFNMYDLDGDGKITRMEMLEITEAMRMNEDGLTPQ EDMKEAERVEDENGDGEUSAAEUQAVIKKUGU AFARNUA
UniRef90_T0PI82	A E F R E OF NE V D R D R G G S I T K V E L G E L M D T L
UniRef90_UPI000343F5F4 UniRef90_A0A016TI68	AKURFAFT MY DUNKS GTIITK DEFKDILQ MMIGAN VPEE
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UniRef90_A0DF62	I WG E FLEE CDDDKDGKI SEAEFIQII
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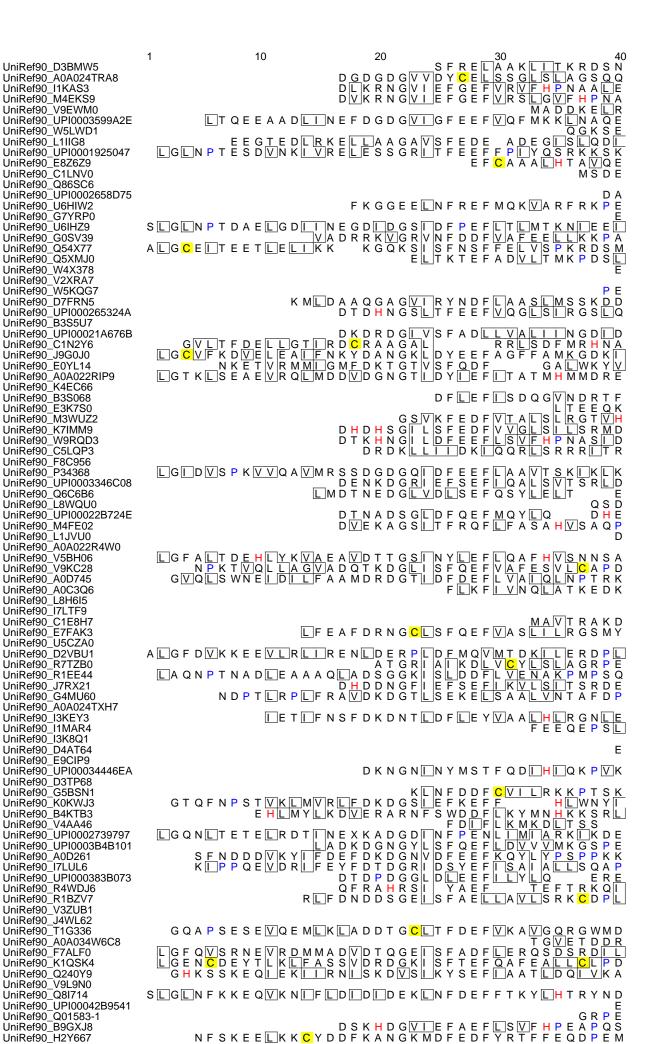
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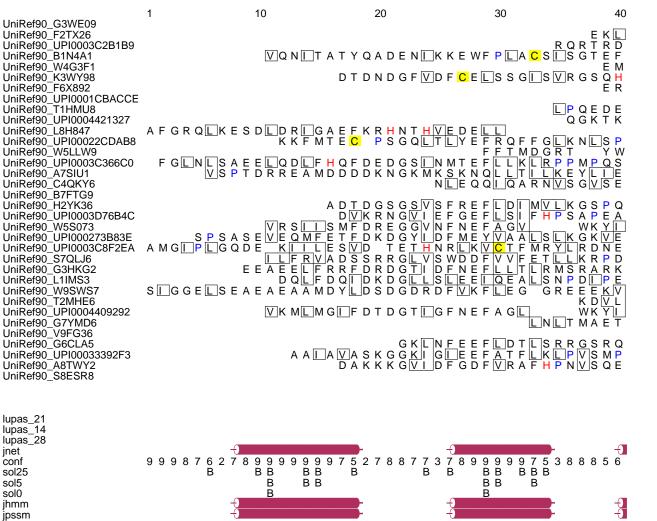
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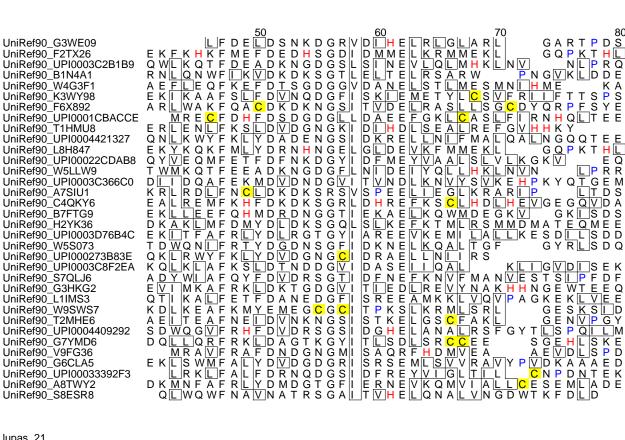
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Office Sound To F	RVEDLIKEADANNEGYITYESF
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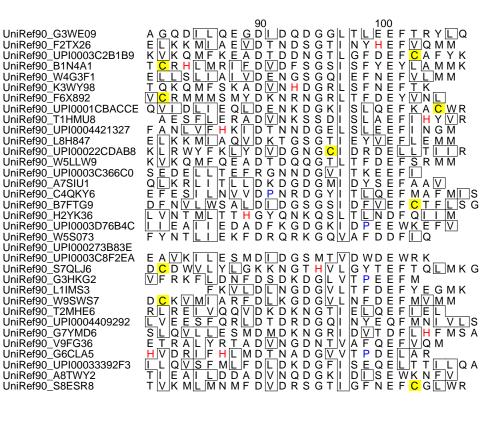
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