QUERY UniRef90_P02007	1 10 20 30 40 VLS A A N K S N V K A A W G K V G G N A P A Y G A Q A L Q R M F L S F P T T K L T Q A E K A A V T T L WA K V A T Q L E S L E R L F A S Y P Q T K
UniRef90_P02004 UniRef90_UPI000273A1C1 UniRef90_UPI000273A1EE UniRef90_UPI000386FDDE	L T Q A E K A A V T T I WA K V A T Q E S I G E S L E R F A S Y P Q T K V L T A E D K K L I Q Q T W G K L G G A E E E I G A E A L W R M F H A Y P P T K L T K T D K A L I A A I WA K V S T Q A D C I G T E A L E R L F I S Y P Q T K V L S G A D K T N V K A V W S K V G G N A G A Y A G E A L T R T F L S F P T T K M L T A E D K K L I Q Q V W E K V A G H Q E D F G A E A L E R M F A T Y P Q T K M L T E D D K Q L I Q H V W E K V L E H Q E D F G A E A L E R M F M N F P S T K M L S A S D K A N V K A I W S K V C V H A E E Y G A E A L E R M F M N F P S T K L T A E D K A L V V V L W G K I A G H T D A L G G E A L D R L F A C F G Q S R M L T A E D K A L V V V L W G K I A G H T D A L G G E A L D R L F A C F G Q S R M L T A E D K A L V V V L W G K I A G H T D A L E R M F T V S S F P S T K L S D A D K N N V K E F W E K L G E N T G V Y G T E A L E R M F L S F P T T K L S D A D K N N V K A A W G K V G A H A G D Y G A E A L E R M F L S F P T T K L S P A D K T N V K A A W G K V G A H A G D Y G A E A L E R M F L S F P T T K L S P A D K T N V K A A W G K V G G K A G D Y G A E A L E R L F L A F P S T K M L T D S D K K L V L Q V W E K V I R H P D C G A E A L E R L F L T Y P Q T K L T K T E R T I I V S M W A K I S T Q A D T I G T E T L E R M F L S F P T T K W T A E E K Q L I T G L W G K V N A L G A E A L E R L F L S Y P Q T K L T K T E R T I I L S M W D K I S S Q A D A I G T Q A L E R L F L S Y P Q T K L T K A E R T I I L S M W D K I A T E S E E I G R E T L D R L L T V P P W T Q L L S E A E K A A V L S L W A K A S G N V N A L G A E A L E R L F L S Y P Q T K L T N E R T I I L A M W D K I A T E S E E I G R E T L D R L L T V P P Q T K L T N E R T I I L A M W D K I A T E S E E I G R E A L A R L L I V Y P W T Q L L S E A E K A Q L I A T V W G K V S
UniRef90_P83134 UniRef90_P18971 UniRef90_P10059 UniRef90_Q90ZA5	MLTEDDKQLIQHVWEKVLEHQEDFGAEALERMFIVYPSTKVLSPTDKSNVKATWAKIGNHGAEYGAEALERMFMNFPSTKMLSASDKANVKAIWSKVCVHAEEYGAETLERMFTVYPSTKLTAEDKALVVVLWGKIAGHTDALGGEALDRLFACFGQSR
UniRef90_P01979 UniRef90_Q6H1L9 UniRef90_P01934 UniRef90_P06467	ML T D A E K K E V T A L WG K A A G H G E E Y G A E A L E R L F Q A F P T T K L S D A D K N N V K E F WE K L G E N T G V Y G T E A L E R T F S S F P S T K V L S P A D K T N V K A A WG K V G A H A G D Y G A E A L E R M F L S F P T T K L M K N E R A L I M S M W E K M A A Q A E P L G T E T L E R L F C S Y P Q T K F T E E D K A T I T S L WG K V N V E D A G G E T L G R L L V V Y P W T Q V L S S A D K A N V K A A WG K V G G K A G D Y G A E A L E R T F L A F P S T K
UniRef90_P69891 UniRef90_UPI00045D5A6F UniRef90_O12985	FTEEDKATITSLWGKV NVEDAGGETLGRLLVVYPWTQVLSSADKANVKAAWGKVGGKAGDYGAEALERTFLAFPSTKMLTDSDKKLVLQVWEKVIRHPD CGAEALERLFTTYPQTKLTKTERTIIVSMWAKISTQADTLGTETLERMFLSFPTTK
UniRef90_F7GY95 UniRef90_U3K6C5 UniRef90_Q38IW1 UniRef90_G1LJX4	ML T D S D K K L V L QVWE K V I R H P D C G A E A L E R L F T T Y P Q T K L T K T E R T I I V S M W A K I S T Q A D T I G T E T L E R M F L S F P T T K WT A E E K Q L I T G L W G K V N V A E C G G E A L A R L L I V Y P W T Q L L S E A E K A A V L S L W A K A S G N V N A L G A E A L E R L F L S Y P Q T K L T K A E R T I I L S M W D K I S S Q A D A I G T Q A L E R L F T S Y P Q T K L T N E R T I I L A M W D K I A T E S E I G R E T L D R L L T V F P Q A K
UniRef90_UPI000444024C UniRef90_UPI0003991C8A UniRef90_P02011 UniRef90_Q8UW95	LISASEKAAVLISII VIGKII IGSQGSALIGSEALITRILIFILISFPQTK LISANDKATVIKALIWAKII ISPKAEDII GNEALISRMLIYIVIYPQTK
UniRef90_F7Al41 UniRef90_C3KGZ6 UniRef90_Q28932 UniRef90_Q90487	L S A E E K S A I T T L WG K V N P E E H G G E A L A R L L V V Y P WT Q L T E K D K A T V K A L WG K I S K S S D A I G A D A L G R M L V V Y P Q T K L S A E E K G H I N A I WS K V S VD Q T G A E A L G R L L I V Y P WT S L S D T D K A V V K A L WA K I S P K A D E I G A E A L A R M L T V Y P Q T K
UniRef90_V5N4L6 UniRef90_V5N513 UniRef90_P01984 UniRef90_Q7ZYZ4	LIT DIL DKTIL VKAF WGKIV SGKADAII GHEAL VRMIL L VIYPQT K LSAKDKAAV KAF WATII APKAEDIL GGQAL FRML TVYPQT K VLSSHDKSNVKGIL FGKVGGHIL EEY CAETIL ARMFAAYPQT K
UniRef90_H3ABR1 UniRef90_UPl000333C137 UniRef90_D0VWV2 UniRef90_C1FXX6	LISSEDAD VICAL WGKI ADKAEEI GSDALSR MLAVY POTK
UniRef90_UPI0003AFE419 UniRef90_P86882 UniRef90_F6YMH9	L S D K D K A A V K A I WN K I S K S A D V I G A D A M G R M L V V Y P Q T K V L S A A D K T N V K A A W S K V G G N S G A Y M G E A L Y R T F L S F P P T K
UniRef90_G8G8X6 UniRef90_G1M487 UniRef90_C1BX42 UniRef90_P18987	WIAEERQILIII QIVIWGRIII DIVIAQII IGGEI ILIA <mark>G</mark> LLVVII PWIQ
UniRef90_UPI00044436D5 UniRef90_UPI0003F0D5A0 UniRef90_Q63067 UniRef90_Q98SE6	TTAKDKOTVKAFWAKVISGKSEDI GAAAVARMI VVIYPOTK
UniRef90_Q9BEI2 UniRef90_H2TTY2 UniRef90_W5LAT4 UniRef90_UPI0004746CD9	L S
UniRef90_UPI00032A1B52 UniRef90_UPI000441B56A UniRef90_P18993 UniRef90_D6R731	L S E K D K N I V Q T F W A K V A G R E E D I G C D A V S R M L T V Y P Q T K V L S D E D K T R I R A A W A P V S K N A E V Y G C E A L Y R M F L S Y P T T K WT A E E K Q L I C S L W G K I D V G L I G G E T L A G L L V I Y P W T Q WS A S E R S T I A N V W G Q I N I D E I G P Q A L A R V L I V Y P W T Q
UniRef90_B2KHW1 UniRef90_UPI00038EA702 UniRef90_E5RWQ1 UniRef90_P41331	WSASERSTI ANVWGQI NI DEI GPQALARVLIVYPWTQVLSAADKATVRALWKKLGNNVGVYATEALERTFLAFPSTKLSDEDKAYLRFAWRKFEPTWGQHSPDAVYRMFLSFPSTKLTPLERTFLAFPSTKLTPLERTFLAFPSTKLTPLERTFLAFPSTKLTPLERTFLAFPSTKLTPLERTFLAFPSTKLTPLERTFLAFPSTKLTPLERTFLAFAWRKFEPTWGQHSPDAVYRMFLSFPSTKLTPLERTFLAFAHPTTKLTPLERTFLAHPTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTT
UniRef90_P02054 UniRef90_Q45XI6 UniRef90_P41332 UniRef90_P01946	L T P E E N G H V T S L W G K V N V E K V G G E A L G R L L V V Y P W T Q L T D S E K A E V V S L W S K V D E K I I G S E A L G R L L V I Y P W T R W S A E E K Q L I T G L W G K V D V A E V G G A T L G K L L V V F P W T Q V L S A D D K T N I K N G W G K I G G H G G E Y G E E A L Q R M F A A F P T T K
UniRef90_L8J2H0 UniRef90_Q19LH2 UniRef90_Q802A4 UniRef90_P80270	LTDSEKAEVVSLWSKVDEKI I GSEALGRLLVIYPWTR WSAEEKQLITGLWGKV DVAEVGGATLGKLLVVFPWTQ VLSADDKTNIKNCWGKIGGHGGEYGEEALQRMFAAFPTTK MLSAQERAHITQVWDLIAGHEAPFGAELLRRMFLSFPTTK LSGRDKTLVKSFWDKIGSRSADIGAEALGRMLRVFPQTK LSRTDKEAVKAIWAKMSKSLDVIGAEAFGRMLIAYPQTK LSDKDKNTVRALWAKISKSADVIGAEAFGRMLTVYPQTK
UniRef90_P0C0U8 UniRef90_UPl00042CDA72 UniRef90_H2LCU1 UniRef90_Q19LH3	LSDKDKNTVRAL WAKISKSADVI GAEALARMLTVYPQTK WTAEEKSAITSI WNKV MLSAEEKAAVTSL FAKV MLSAEEKAAVTSL FAKV MLSKEKQL I REI WERLTPVAEDI GADAL LRMFASYPGTK LSDTDKARVRAL WAKVQTKAPEI GGEAL GR ML VAYPQTK
UniRef90_UPI000343F5F8 UniRef90_UPI0003C8A12B UniRef90_UPI0003C16005 UniRef90_P09907	LSAADRAAVRAL WRKL GSNVCI YTTEAL ER <u>TFA</u> SFPATK FTAEEKAAI ASLWAKV NVEVARGESLGRLLVVYPWTQ WTAEERKAAI TSVWSKV NPEEVGGEAL GRLLVVYPWTQ
UniRef90_A4IGT0 UniRef90_P18436 UniRef90_H9GGM8 UniRef90_Q7LZC2	FTAEEKALITSLWAKV NVEETGGEALGRLLVVVPWTQ
UniRef90_H2TTY1 UniRef90_L5KGV2 UniRef90_P24292	L S A K D K D T V R L F W G K L A P K R E E V G A N A L C R L L S V Y P Q T K
UniRef90_P02142 UniRef90_P18974 UniRef90_B9EIX8 UniRef90_P02012	MTDAEKKL VTTMWGKL DVDAAGAETL GRVL VVYPWTQ WTDAEKSTI SAVWGKV NLDEIGPLALARVLI VYPWTQ VLTEDDKNHI RAI WGHVDNNPEAFGVEALTRLFLAYPATK SQDDHWLVLALWKKMGSNVGIYATEALERTFVAFPSTK LSADDKKHI KALMPAI AAHGDKFGGEAL YRMFI VNPKTK
UniRef90_Q9PVM3 UniRef90_P84205 UniRef90_I3IZ27 UniRef90_B2BP38	S Q D D H WL V L A L WK K M G S N V G L Y A T E A L E R T F V A F P S T K L S A D D K K H I K A L MP A I A A H G D K F G G E A L Y R M F I V N P K T K L S A K D K T T V K K F W D K V E G K S A E I G G E A L G R M L V A Y P Q T K L S T K D K A V V K G F W S K I S G K S D E I G T E A V G R M L T V Y P Q T K WT D A E R S A I T S L W G K I D V G E I G P Q A L T R L L I V Y P W A Q WT D F E R A T I Q D V F S K I N Y D V G P Q A L A R C L I V Y P W T Q

UniRef90	QUERY UniRef90_P02007 UniRef90_P02004 UniRef90_UP1000273A1C1 UniRef90_UP1000273A1EE UniRef90_UP1000386FDDE UniRef90_P83134 UniRef90_P18971 UniRef90_P18971 UniRef90_Q00ZA5 UniRef90_Q00ZA5 UniRef90_Q6H1L9 UniRef90_Q6H1L9 UniRef90_P06467 UniRef90_P06467 UniRef90_P06467 UniRef90_P06467 UniRef90_UP100045D5A6F UniRef90_UP1000444024C	T Y F P H F D L S P G S Q D V K G H G Q K V A D A L S Q A V A N L D D L P G T Y F P H F D L Q R G S G Q V K A H G K K V A A A L V E A A N H I D D I A G A T Y F P H F D L H H D S E Q I R H H G K K V V Q A L T K A V G H M D N L S A T Y F P H F D L G H D S A Q V K G H G K K V A D A L T K A V G H M D N L L D M A G A T Y F S H F D L S P G S A D V K R H G G K V L N A V G E A A K H I D D L D M A G A T Y F S H F D L S P G S A Q V K A H G K K V A D A L T L A V N H M D D L D M A G A T Y F S H F D L S P G S A Q V K A H G K K V A D A L T L A V N H M D D L P A A T Y F S H F D L S H G S A Q V K A H G K K V A D A L T L A V N H M D D L P A A T Y F P H F D L S H G S A Q V K A H G K K V L T S L G D A V K S I D N L S S A R F F D S F S A I M G N P K V K A H G K K V L T S L G D A V K S L D N L S S A T Y F P H L D L S P G S A Q V K A H G K K V L T S L G D A V K S L D D L P G A T Y F P H L D L S P G S A Q V K A H G K K V L T S L G D A V K S L G N L S Q A T Y F P H F D L S P G S A Q V K A H G K K V L A A L T H A V G H L D D L P G A T Y F P H F D L S H G S A Q V K G H G K K V L A A L T N A V A H V D D M P N A R F F S S F G N L S S N P K V Q A H G K K V L T S F G E A V K N L D S I K G T Y F P H F D L S S G S H D L Q V H G G K V L G A I G E A A Q H L D N L D A A T Y F P H F D L H P G S P H L H M H G A K V V M S A L G D A A K N I D N V S G A T Y F P H F D L H P G S P H L H M H G A K V V M S A L G D A A K N I D N V S G A T Y F P H F D L H P G S P H L H M H G A K V M S A L G D A A K N I D N V S G A T Y F P H F D L H P G S P H L H M H G A K V M S A L G D A A K N I D N V S G A T Y F P H F D L H P G S P H L H M H G A K V M S A L G D A A K N I D N V S G A T Y F P H F D L H P G S P H L H M H G A K V M A A L G D A A K N I D N V S G A T Y F P H F D L H P G S P H L H M H G A K V M A A L G D A A K N I D N V S G A T Y F P H F D L H P G S P H L H M H G A K V M A A L G D A A K N I D N V S G A T Y F P H F D L H P G S P H L H M H G A K V M A A L G D A A K N I D N V S G A T Y F P H F D L H P G S P H L H M H G A K V M A A L G D A A K N I D N V S G A T Y F
	UniRef90_UPI000441B56A UniRef90_P18993 UniRef90_D6R731 UniRef90_B2KHW1 UniRef90_E5RWQ1 UniRef90_E5RWQ1 UniRef90_P41331 UniRef90_P02054 UniRef90_Q45XI6 UniRef90_Q45XI6 UniRef90_P01946 UniRef90_P01946 UniRef90_L8J2H0 UniRef90_Q19LH2 UniRef90_Q802A4	TYFPHFDFSLGSSDLKTHGRKVIDAUTEAVNNLDDLIPGA RQFSHFTAIAGNPRVKAHGKKVLTSFGDAIKNLDNIKD RYFGTFGAIQGNPKVAQHGKTVLNALGKAVQNMDDIKGT TYFFHLDLSPGSAQVKAHGKKVADALTLAVDHMDDLPRA

QUERY UniRef90_P02007 UniRef90_P02004 UniRef90_UP1000273A1C1	90 S NL S NL H A H KL R V N P V N F KL L S H S L L V T L A S H L P T N F A K L S E L H A Y L L R V D P V N F K L L S H C I L C S V A A R Y P S D F S E L S N L H A Y N L R V D P V N F K F L S Q C L Q V T L A T R L G K E Y S K L S E L H A Y L L R V D P V N F K L L S H T I L V T I A A H F P A E F	120 T P A T P E S P E T A E
UniRef90_UPI000273A1EE UniRef90_UPI000386FDDE UniRef90_P83134 UniRef90_P18971 UniRef90_P10059 UniRef90_Q90ZA5 UniRef90_P01979 UniRef90_Q6H1L9 UniRef90_P01934	S N L S N L H A H K L R V N P V N F K L L S H S L L V T L A S H L P T N F A K L S E L H A Y L L R V D P V N F K L L S H C I L C S V A A R Y P S D F S K L S E L H A Y N L R V D P V N F K F L S Q C L Q V T L A T R L G K E Y S K L S E L H A Y N L R V D P V N F K F L S H T I L V T I A A H F P A E F S K L S D L H A H K L R V D P V N F K L L S H C L I V T L A C H L S K D L S E L S N L H A Y N L R V D P V N F K L L S H C F Q V V L G A H L G R E Y S E L S N L H A Y N L R V D P V N F K L L S H C F Q V V L G A H L G R E Y S D L H A H K L R V D P A N F K L L S H C F Q V V L G A H L G R E Y S D L H A H K L R V D P A N F K L L S H C F L V T L A L H L P A A E F C D L S D L H A Q K L R V D P V N F K L L S H C F L V T L A A H F P A D F S K L S D L H A Y N L R V D P G N F K L L S H C F L V V L G A H F P A D F S K L S D L H A H K L R V D P V N F K L L A H C I L V V L A A H F P A D F S S L S D L H A H K L R V D P V N F K L L A H C I L V T L A R H H P G N L S A L S B L H A H K L R V D P V N F K L L A H C L L V T L A R H H P G N L S A L S B L H A H K L R V D P V N F K L L S H C F L V T L A R H F P A D F S A L S B L H A H K L R V D P V N F K L L S H C L L V T M A A R F P A D F S C S L S D L H A R K L R V D P V N F K L L S H C L L V T M A A R F P A D F S C S L S D L H A R K L R V D P V N F K L L S H C L L V T M A A R F P P A D F S C S L S D L H A R K L R V D P V N F K L L S H C L L V T L A R H Y P G D F S C S L S D L H A R K L R V D P V N F K L L S H C L L V T L A R H Y P G D F S C S D L S D L H A R K L R V D P V N F K L L S H C F L V T L A R H Y P G D F S C S D L S D L H A R K L R V D P V N F K L L S H C F L V T L A R H Y P G D F S C S D L S D L H A Y N L R V D P V N F K L L S H C F L V T L A R H Y P G D F S C S D L S D L H A Y N L R V D P V N F K L L S H C F L V T L A R H Y P G D F S C S D L S D L H A Y N L R V D P V N F K L L A Q C F H V V L A T H L G N D Y L A T H L G N D Y L A T H L G N D Y L A T H L G N D Y L A T H L G N D Y L A T H L G N D Y L A T H L G N D Y L A T H L G N D Y L A T H L G N D Y L A T H L G N D Y L A T H L G N	T P E T P P S T P P S T P P S T P P S T P P S T P P S T P P A
UniRef90_P06467 UniRef90_P69891 UniRef90_UPI00045D5A6F UniRef90_O12985 UniRef90_F7GY95 UniRef90_U3K6C5 UniRef90_Q38IW1 UniRef90_G1LJX4 UniRef90_UPI000444024C UniRef90_UPI0003991C8A	S A L S D L H A H K L R V D P V N F K L L A H C I L V V L A R H P G N L S S L S D L H A H K L K V D P I N F K Y L S H C F L V T L A R H H P G N L T K A L S B L H A H K L R V D P V N F K L L N H C L L V T L A A B F P S Z F K L S E L H A Y L L R V D P V N F K L L S H C L L V T M A A R F P A D F A Q L S E L H C D K L H V D P E N F K L L G N V L V T V L A L H F G K E F S E L S N L H A R K L R V D P V N F K L L G N V L V T V L A T H L G N D Y S S D L S D L H A Y N L R V D P V N F K L L A Q C F H V V L A T H L G N D Y S A Q L S D L H A Y N L R V D P V N F K L L S H C L L V T L A A H F P G K D F A Q L S D L H A Y N L R V D P V N F K L L S H A L E V T L A A H F P D D F A K L S D L H A Y N L R V D P Q N F R L L S H A L E V T L A V H F P D D F A K L S E L H A Y I L R V D P V N F K L L S H A L E V T L A S H L Q G E F A K L S E L H A Y I L R V D P V N F K L L S H C L L V T L A T H F P A D F A K L S E L H A Y I L R V D P V N F K L L S H C L L V T L A T H F P F G D F A K L S E L H A Y I L R V D P E N F R L L G D I L I I V V L A S H F T K D F S S L S E L H A Y I L R V D P E N F R L L G D I L I I I Q V L A S H F T K D F S S L S E L H A Y I L R V D P G N F P L L G A H I I Q V V L A T H F P G D F T L S E L H A F Q L R V D P G N F P L L G A H I I Q V V L A T H F P F D D F T L S E L H A F Q L R V D P G N F P L L G A H I I Q V V L A T H F P F D D F T L S E L H A F Q L R V D P A N F R I L S H C I L V V L A M L F P D D F T L S E L H A F Q L R V D P A N F R I L S H C I L V V L A M L F P D D F T L S E L H A F Q L R V D P A N F R I L S H C I L V V L A M L F P D D F T L S E L H A F Q L R V D P A N F R I L S H C I L V V L A M L F P D D F T L S E L H A F Q L R V D P A N F R I L S H C I L V V L A M L F P D D F T L S E L H A F Q L R V D P A N F R I L S H C I L V V L A M L F P D D F T L S E L H A F Q L R V D P A N F R I L S H C I L V V L A M L F P D D F T L S E L H A F Q L R V D P A N F R I L S H C I L V V L A M L F P D D F T L S E L H A F Q L R V D P A N F R I L S H C I L V V L A M L F P D D F T T L S E L H A F Q L R V D P A N F R I L S H C	T P E S P A T P E T P A T P D D A T T V E
UniRef90_P02011 UniRef90_Q8UW95 UniRef90_F7AI41 UniRef90_C3KGZ6 UniRef90_Q28932 UniRef90_Q90487 UniRef90_V5N4L6 UniRef90_V5N513 UniRef90_P01984 UniRef90_Q7ZYZ4	A K L S E L H A Y N L R V D P V N F K L L S H C L Q V T L A A R T R T G D F S E Y A L S B L H A Y N L R V D P V N F K L L S H C L L V T L A A H T P P A A D L L V T L A A C H L P P A A D L L S H L S B L H A Y K L R V D P V N F K L L S H C L L V T L A A C H L P P A A D F S K K L S D L H A A Q K L R V D P V N F K L L S H C L L V V L L A A C H L P P A A D F S K K L S D L H A A Q K L R V D P V N F K L L S H C L L V V L L A R H C P P G S D L H A P A C L L V T L A A C H C P P G S C S K L S D L H A A Q K L R V D P V N F K L L S C C T L V V L L A R C T P P G S C S C S C S C S C S C S C S C S C S	T P E
UniRef90_H3ABR1 UniRef90_UPI000333C137 UniRef90_D0VWV2 UniRef90_C1FXX6 UniRef90_UPI0003AFE419 UniRef90_P86882 UniRef90_P86WH9 UniRef90_G8G8X6 UniRef90_G1M487	A L S E L H A F T L R V D P A N F K I L S H C I L V L A V K F P K D F A R L S E L H A Y V L R V D P V N F K L L S H C L L V T V A A R F P A D F A K L S E L H C D K L H M D P E N F R L L G D V I V I V L A T H S G R E C C A L S E K H A F Q L R V D P S N F K L L S H C I L V V I A M M Y P K D F S A L S D L H A H N L K V D P V N F K L L C H N V L V T L A G H L G K D F L L S E Q H A F Q L R V D P S N F K I L S H C I L V E L A T T F P G E F	T P E T P P E T P P E T P P E T P P E T P P E T P P E T P P E T P P E T P P E T P P Q
UniRef90_C1BX42 UniRef90_P18987 UniRef90_UP100044436D5 UniRef90_UP10003F0D5A0 UniRef90_Q63067 UniRef90_Q98SE6 UniRef90_Q9BE12 UniRef90_H2TTY2 UniRef90_H2TTY2 UniRef90_UD10004746CD0	A E L S E L H C D K L H V D P E N F K L L G N M I L I V L A T H F T K E F S K L S E L H A T K L R V D P A N F K I L A H S L V V V A A Y L P N D F A K L S E L H C D K L H V D P V N F R L L G N V M I T R L A A H F G K D F A Q L S E L H C D K L H V D P A N F K I L A Q C L Q V V I A I M F P N D F A Q L S E L H C D K L H V D P E N F R L L G N V L V I V R V I A R H L G S E F A H L S E L H C D K L H V D P E N F K L L G N V L V I V L F S Y F G K E F K E L S Q L H A F T L R V D P A N F K I L S H C I L V V M A V M F P T D F D K L S Q L H S D K L H V D P Q N F S L L G D N L I I A L A A L G K D F D K L S Q L H A F T L R V D P A N F K L E A H N I I V V V G M M F P G D F S Q L S E L H A Y K L R V D P A N F K L L A H N I I V V V G M M F P G D F S S L S E L H A F K L R V D P A N F K L L G Q T L K V S I A L Y F P G E F	SPE
UniRef90_UPI0004746CD9 UniRef90_UPI00032A1B52 UniRef90_UPI0000441B56A UniRef90_P18993 UniRef90_D6R731 UniRef90_B2KHW1 UniRef90_UPI00038EA702 UniRef90_E5RWQ1 UniRef90_P41331 UniRef90_P4054	S G L S E L H A F K L R V D P A N F K L L A H N I I V V V G M M F P G D F S S L S E L H A F K L R V D P A N F K L L G Q T L K V S I A L Y F P G E F S S L S E L H A F T L R V D P A N F K V L S H N L L V V L S T T F P N D F S R L S D L H A H K L R V D P V N F K L L S H C L L A T M A V H N N G P L A K L S E L H C D K L H V D P T N F K L L G N V L V I V L A D H H G K E F S Q L S Q L H C E K L N V D P D N F R L L A D C L T I V I A T K F G A A F S G L S D L H A H K L R V D P V N F K L L T H C L Q V T L A R H F P G D F S A L S D L H A Y K L R V D P V N F K L L T H S M L V T M A K N Y P E D F A Q L S E L H S D K L H V D P E N F K L L G N L L I V V L A A H F G K D F S K L S D L H A Q K L R V D P D N F Q F L G L C L E V T I A A H S G G P L A Q L S E L H C V A L H V D P E N F K L L G N V L V I V L A H H F G N D F	T P E]K P E T P A N P A S P T T P Q T P A]K P E
UniRef90 Q45XI6 UniRef90 Q45XI6 UniRef90 P41332 UniRef90 P01946 UniRef90 L8J2H0 UniRef90 Q19LH2 UniRef90 Q802A4 UniRef90 P80270 UniRef90 P0C0U8 UniRef90 UPI00042CDA72	A QL S EL H S D K L H V D P E N F K L L N H S M L V I M A K N Y P E D F A QL S E L H S D K L H V D P E N F K L L G N L L I V L A A H F G K D F A QL S E L H C V A L H V D P E N F K L L G N V L V I V L A H H F G N D F A QL S E L H C D E L H V D P E N F K L L G N I L V V V L A R H Y G K E F A K L S E L H C E K L H V D P E N F R L L G N I L V I V L A G H H G K E F A K L S E L H C E K L H V D P E N F R L L G N I L V I V L A G H H G K E F A K L S E L H A F K L R V D P V N F K F L S H C L L V T L A C H H P G D F A C L S E L H A F K L R V D P V N F K F L S H C L L V T L A R H Y P G D F A C E L S E R H A F T L K V D P A N F R L L A H C I L V V T A I M F P K D F A K L S E L H C D K L H V D P A N F R L L A H C I L V V T A I M F P K E F A K L S E L H C D K L H V D P E N F R L L G N V L V V V L A R R F G S E F A S L S E L H A F K L R V D P E N F R L L G N V L V V V L A R R F G S E F A S L S E L H A F K L R V D P E N F R L L G N V L V V V L A R R F G S E F A S L S E L H A F K L R V D P E N F R L L G N V L V V V L A R R F G S E F A S L S E L H A F K L R V D P G N F K L L S Y C L L V T L A R H Y P G D F A K L S E L H A F K L R V D P G N F K L L S H C L L V T L A R H Y P G D F A K L S E L H A F K L R V D P G N F K L L S H C L L V T L A R H Y P G D F A K L S E L H A F K L R V D P G N F K L L G H C L L V T L A R H Y P G D F A K L S E L H C D K L H V D P F N F R L L G H C L L V T L A R H Y P G D F A K L S E L H C D K L H V D P F N F R L L G H C L L V T L A R H Y P G D F A K L S E L H C D K L H V D P F N F R L L G H C L L V T L A T H F N K F F A K L S E L H C D K L H V D P F N F R L L G H C L L V T L A T H F N K F F A K L S E L H C D K L H V D P F N F R L L G H C L L V T L A T H F N K F F A K L S E L H C D K L H V D P F N F R L L G H C L L V T L A T H F N K F F A K L S E L H C D K L H V D P F N F R L L G H C L L V T L A T H F N K F F A K L S E L H C D K L H V D P F N F R L L G H C L L V T L A T H F N K F F A K L S E L H C D K L H V D P F N F R L L G N L S E L H C D K L H V D P F N F R L L G N L S E L H C D K L H V D P F N F R L L G	T P S P N T P E G P E T P H S P E
UniRef90_H2LCU1 UniRef90_Q19LH3 UniRef90_UPI000343F5F8 UniRef90_UPI0003C8A12B UniRef90_UPI0003C16005 UniRef90_P09907 UniRef90_A4IGT0 UniRef90_P18436 UniRef90_P18436 UniRef90_O217C2	S D L S K L H F Q K L H V D P E N F K L L G K T L I I T L S E K L G S E F A A L S E L H C D K L H V D P E N F R L L G N V L V V V L A Q H F G Q E F H D L S E I H A F K L H V D P E N F K R L G E V L V I V L A S K L G S A F A H L S R L H C D E L H V D P E N F R T P G K R A V I V L A H H F G R E F	T P E T P E G P A T P Q S P Q T P E T P Q T P Q
UniRef90_Q7LZC2 UniRef90_H2TTY1 UniRef90_L5KGV2 UniRef90_P24292 UniRef90_P02142 UniRef90_P18974 UniRef90_B9EIX8 UniRef90_P02012 UniRef90_Q9PVM3	A DL S DL HA Y NL R V D P V N F K L L I K C F H V V L A T H L R G E Y F N L S Q L H S D T L N V D P D N F K L L G D C L T I V L S A K F G A E F F N L S E L H A F T L R V D P A N F K L L A H C I M V E I G I M Y P T E F F K L S E L H A Y V V R V D P V N F K V L S Y C L L V T V A L H F P A D F F K L S E L H C D K L H V D P E N F R L L G N V L V V V M S R H F G A E F F K S L S E T H A N K L F V D P D N F R V L A D V L T I V I A A K F G A S F F K L S D L H A E K L R V D P V N F G L L G N V L V T I A A H N H G P L F S A L S D L H A H K L C V D P A N F G F F S H C L L V T L A R H Y P G D F F S A L S E L H A F K L R V D P G N F P L L A H N I L V V V A M N F P K G F F S A L S E L H A F K L R V D P A N F K I L A H N V I L V A A M Y F P A D F F S A L S E L H A F K L R V D P A N F K I L A H N V I L V A A M Y F P A D F F S A L S E L H A S E K L H V D P D N F R V L A E C I S L C V A A K F P S V F F A E L S V L H S E K L H V D P D N F R V L A D C L T I V V A A Q L G A A F F S D L S D K H S Q E L R V D P V N F K L L K H T M L V T M A A N Y P E I L	TPAEDQEDEAE
UniRef90_P84205 UniRef90_I3IZ27 UniRef90_B2BP38 UniRef90_G5BXY2	G S L S E L H A N K L C V D P A N F K I L A H C L M A S I C L F Y P T D F A N L S H M H S E K L H V D P D N F R V L A E C I S L C V A A K F P S V F A E L S V L H S E K L H V D P D N F R L L A D C L T I V V A A Q L G A A F S D L S D K H S Q E L R V D P V N F K L L K H T M L V T M A A N Y P E I L	T P E T A D T P A]T P E

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UniRef90_UPI0003AFE419	M
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UniRef90_H9GGM8 UniRef90_Q7LZC2	AHRAVDKFLFAVAELLGEKYR
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UniRef90_P24292 UniRef90_P02142	I QATWQKF <u>M</u> K <u>V</u> V <u>V</u> AA <u>MG</u> SRY
UniRef90_P18974	VALSMDKELTKVAKTLVAHYR
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	V L L S L D K L M E A V S R V L I S R Y R

1 WT A E BERK A A TI WO A TI W UniRef90_UPI00042C01C9 UniRef90_P55267 UniRef90_Q8AYQ6 UniRef90_UPI00018B5EDE UniRef90_UPI00035A227A UniRef90_Q7ZT84 UniRef90_Q7T1B0 UniRef90_UP10003955C04 UniRef90_UP10003955C04 UniRef90_UP100032ADC07 UniRef90_UP100032ADC07 UniRef90_A9UM89 UniRef90_UP100039460B9 UniRef90_B3EWE0 UniRef90_P02137 UniRef90_P83272 UniRef90_P29628 WWAWTWWQWWWWSSSWWQGWWQWAQWQQKQWSWWSGSQTWQWTWSEWSQWESWEWWWQSEGES UniRef90_B3EWR7 UniRef90_P84611 UniRef90_P84611 UniRef90_Q7LZM7 UniRef90_K7N5M6 UniRef90_P11749 UniRef90_P83113 UniRef90_M1VK56 UniRef90_P83114 UniRef90_P83114
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KINKSADVIGDDAV
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LTDKEKVMIQDSWAVVFQSCDDAGVAIL R L L V V Y R M V V Y R F F V N F R L F T S F S L F L T Y R L F E E H R L F V S F GS V I I L V WT QT SA ST QT ES PPPPPP UniRef90_Q071M5 UniRef90_UPI0003316BA2 UniRef90_V5N4H6 UniRef90_F6UQT5 UniRef90_K4G4N4 UniRef90_H2U139 UniRef90_P07420 LLT DADKKNIQHIWAKLFENPEENGKTIVIRLFTDYPET IIYIYT LTEKDKAAVKALWAKVSKVMDTVGGEALGRMLLVYPQT LTEDDVCVIQDTWRPVYENRENAGVAVLIRFFSNFPSA UniRef90_M7BE56 UniRef90_W5LAJ0 UniRef90_UPI00032A1881

UniRef90_M4QW49

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UniRef90_P55267	T Y F P N F D F
UniRef90_Q8AYQ6 UniRef90_UPI00018B5EDE	RYFGSFGNLYNNPKVAAHGKVVLGGLEKALKNMDDIKQAY TYFLHLDLSPGSAQVRAHGQKVADALTLAVDHLDDLPSAL
UniRef90_UPI00035A227A	R F F E H F S AVM S N A QV K A H G K K V I H S F A D G L K H L D N L K G T F
UniRef90_Q7ZT84	TYFSHFN <u>L SP</u> GSKD I <u>V </u> HQGE <u>K</u> I <u>G</u> KA L DGA <u>L</u> K <u>H</u> L DD I RGT L
UniRef90_Q7T1B0 UniRef90_UPI0003955C04	R Y F G S F E A I I I N N P K V A A H G T V V L H G L D R A M K N M D D I K N T Y R F F S D F T A I I G N P K V R A H G K K V L T S F G E A I K N L D N L K G T Y
UniRef90_Q90486	RYFATEGAII MGNPKIVIAAHGRTIV MGGITERAII KNMDNIVIKNTY
UniRef90_UPI00032ADC07 UniRef90_A9UM89	RSEMTESAILLIAN PKIVITILIH GKKIVLIGAETKSILIN HILID NILIN DTE
UniRef90_C8YNP9	VY F S H WK DILIP D S P NILIR K H G Y T V V K G V T D S V D T T D DIL V G G T
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UniRef90_P02137	$R Y F S S F \overline{G} A I I S G N A K V R A H G \underline{K} K V L I S A \overline{V} D E S I I H H L D D I I K N F L$
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UniRef90_B3EWR7	SYFAHWPLSAGSGPVKKHGKIIMAGVGDAVDKIDNLVSGL
UniRef90_P84611	RYFGAFGNI MANP LI AAHGIK I L <mark>H</mark> G L DRA L KNMDD I KNIY
UniRef90_Q7LZM7 UniRef90_K7N5M6	R H F G S F E A I I G N Q K V A A H G I K V L H G L D R A V K N M D N I K E I Y
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UniRef90_P83114	RYFSTFSATAGNAKVHAHGKKVLGAIDNAVHHLDDVKHTL RYFSTFDAISHNSKVIAHGEKVLRSIGEALKHLDNLKG Y
UniRef90_U5KNU7 UniRef90_UPI000383BA95	RFFETFSAVMGHAEVKTHGKKVMNAFSDGLHHLDYLMGTF RFFDSFSAIMGNPKVKAHGKKVLTSFGEAIKNLDNLKGAF
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UniRef90_P02130	RYFEHFHDILHNSKVQEHGKKVLASFGEAVKHLDNIKGHF
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UniRef90_P02014	TYEPAKDI SEGSSEII HSHGKKVMGAI SNAVAHI DDI DAAI
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UniRef90_UPI00034F7437	TYEPHEDILIHPGSPOILIRAHGSKIVIMAAILIGDAIVIKNILIDNIVIEIVIAILI
UniRef90_UPI00005BFE7C UniRef90_W5KM17	T Y F P H F D L H T G S A Q L R A H G S R V V A A V G D A V K S I D N V T S A L T Y F T H L D L S P H S E P L R S I G K K V V E A I A E G T R H I G Q F T A N L
UniRef90_UPI00039448BF	TYFSHWDLSPGSAPVKKHGAAVMAAVTDAVSKIIDDLTGAL
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UniRef90_UPI000394614B	R Y F A G F G A T S N P K V A A H G K V V M Q G L E K A V K N M D N I K A T F
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UniRef90_P02020	SYFPHFDFSANNEKIVIKHHGKKIVVIDAII IGQGIVIQHLIHDIL ISS <mark>C</mark> LI
UniRef90_UPI0003C1633B UniRef90_UPI0003B49794	VY F R HLG D H P D E VQ L LS H G Q R MLQ A V G V A V R Y L D N L R A V L T Y F S H W P L S A G S G P V T K H G K K I M A G V G L A V A K M D D L S G G L .
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UniRef90_M3ZVD1	QYFSQFQEMEQSSQLRQHACRVMNAINTVVENLNDVSSVL
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UniRef90_P02203	DRFAKFDEMKNSEDLKKHGTTVLTALGRELKQKGHHEAEI
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UniRef90_H2LKV1	TYFGTFGDIFNNPKVAHHGKVVLRSIDKAVRIMDRIQETH
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UniRef90_K7FYS7	S Y F D Y A D Y S A A G A K V Q L H G G K V I R A V V S A A E H D D D L H A H L D K F E K L D E M K A S E D L K K Q G A T V L T A L G G L L K K K G Q H E A E L T Y F A H F D L H H G S S Q V R T Q G K K V L S A L G D A V A H V D D L P S A L
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		90		100	110 120
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UniRef90_P55267 UniRef90_Q8AYQ6	SSLSDL ADLSVL	H A F T I H S E K I		DNFK II AD <mark>C</mark>	I L V V V A <mark>V H H</mark> S D K L S Y E L T I V V A S Q L G K D F T P E
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UniRef90_A9UM89	ADLSVL	HSEKI	_	D N F R L L A D <mark>C</mark>	L T I V V A <u>A Q</u> M G A G F T P E
UniRef90_C8YNP9 UniRef90_UPI00039460B9		H A F R I H <mark>P</mark> F K I	L R I D P /	ANFKILN <mark>LN</mark> ANFRILA <mark>H</mark> N	L V V V L G L M F P D D F T P Q I I L C M A M F F P E D F T P E
UniRef90_B3EWE0	ASLSEL	HCDKI	_	E N F K <u>L L G N </u> V	L V L V L A H H L G K E F T P Q
UniRef90_P02137 UniRef90_P83272	SVLSTK TELSIL		L	ENFKRLADV DNFKLLAD <mark>C</mark>	L V I V L A G K L G A A F T P Q L T I V V A A K M G <mark>C</mark> A F T P D
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UniRef90_B3EWR7 UniRef90_P84611		HATK HSDK	LRIDX LHVDP	X	<u>X </u>
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UniRef90_M1VK56 UniRef90_P83114	A A L S K Q A K L S Q <u>Y</u>		L	ENFQRLGEV ANFVRFGGV	L V V V L A A K L G T A F A P K V V I V L A H H F H E E F T P E
UniRef90_U5KNU7	AKLSEL	H C D K I	_	E N F KIL L IG NIV	LVVVLSHHFGGEFTPQ
UniRef90_UPI000383BA95 UniRef90_W5KM05	A K L S E L	H <mark>C</mark> D K H S E <u>K</u>	HIVIDPI	E N F R L L G N <mark>V</mark> D N F K L L <u>A</u> D <mark>C</mark>	I VIII A T H F G R F F T P D
UniRef90_M3WAU3	SPLADL	H A Q V I	_ IR IV ID P /	A N F PIL L I IQ C	F HIVIMILIA S HILIQGEFTIVIQ
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UniRef90_P02130 UniRef90_Q6GPU5		H <mark>C</mark> E K I N A Y H [I	L K T D P (G N F MIL L IS Y T	I QVTLAANFQAEFDAT
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UniRef90_A0EZW4	A E L S L L	HSEKI	L H V D P	D N F R L L A D <mark>C</mark>	L IT II V V IA S R M G IL ID F T G D
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UniRef90_W5KM17	SYLSRF	$HAY\overline{Q}I$	L IR II IH P .	T N F K L F N H <mark>C</mark>	
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UniRef90_M4AD09	KLVGK <u>A</u>	HALKI	H KIVID PI	VYFKILSGV	I VEVLGEEYPEVVTPE
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UniRef90_UPI0003B49794	LELSEL	HAFQI	L R V D P /	ANFKILAQ <mark>C</mark>	L Q V V I A T M F P N D F T P E
UniRef90_M3WAU4 UniRef90_Q9PVL7	WALSDL ADLSNV	H V R QII H <mark>C</mark> I K I	_ R V D P	VN FKLLGH <mark>C</mark> NN FHIIAGI	L V T L A R H Y P G D F S P A L V V M L G L T L R F D F T P H
UniRef90_K4FYM0	DALSAK	HAHEI	L MVDP	VNFGFLGE <mark>C</mark>	I V V M L G T T L R E D F T P H V L S S L A Y Q L P D F S P E L I T T L A K Q F H Q E F T P E
UniRef90_M1VNS7 UniRef90 UPI00045E4628					
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UniRef90_G1MYC6 UniRef90_K7FMT4	ALVGKA KPLAES	па <u>ш</u> кі НАТКі	T K V E P	LITEKKILII GIV KYLEFII <mark>C</mark> EII	I V K V I A E A Y G N D F I P E
UniRef90_P10786	A DLS VT	HŞLKİ	FYVDP	ENFKLESGI	LVIVLAAKLGSAFTPQ MLEVIAEAYGNDFTPE IVKVIAEKHPADFGAD VIVCLALTLQTDFSCH ILEVLSEDFPDFFTAE IVVTLATKLPTFSPA
UniRef90_M3ZVD1 UniRef90_P84216	EKLATK	пашКЈ Н G H ЕП	_	LITEKILSIGIV HNFVLFSDI	I V V T L A T K L P T F S P A
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UniRef90_K7FYS7 UniRef90_Q86QI8	A S L S E V	пак N Н <mark>С</mark> D К	ב אן ען ען אן ב <mark>H</mark> V ID P ו	V N F K V S G K A E K F R L L G N M	V I V L G H H L G K D F T P A
UniRef90_E9PFT6	SQLSEL	H <mark>Č</mark> ĎĶ	L HVDP	ENFRVCKKV	I V G V I A E K H S A D F G A D I L E I L A E E Y A Q H F T P E L V T V L A I H F G K E F T P E I I E V L K K R H S G D F G A D L R I E L A A A L G K E F T P E L T V V I A G K L G S K F T P E I T I S I A C K L K E A L N P Q I L E V L S E D L G N C F T D E I V G V I A E K R S A D F G A E I L V T L A T H L A E F S P A I I E V L K S K L G G D F G D D P L I V I V L G H H L G K D F T P E I L E V I A E E S A D D F P P E I L E V I A E E S A D D F P P E
UniRef90_Q071M5 UniRef90_UPI0003316BA2	ALVGRA	HAFKU HALRI	K	ANFKILNH <mark>C</mark> PPTQILTGV	ILEVIAEESADDFPPF
UniRef90_V5N4H6	EKVÁKS	HARK	H K V E P	VNEKI LAĞV	I LEVI AEESADDFPPE I LEVLVEVFPESFGVE
UniRef90_F6UQT5 UniRef90_K4G4N4	QALATT	$H \square N K$	7 K V E V I	NNFELLEV QNFTLITNV	I L K V F A E K F P G E M T A P
UniRef90_H2U139	SALGRA	HALR	HKVD P	KYFKI LISGV	I LEVIGEAFTE TAE
UniRef90_P07420 UniRef90_M7BE56	A K L S E L D R L A V K	H K N V I	LIHEDPI HQVPS	ENFKLLGNI VNFQSMFOV	LEVL VEVFPESFGVE I I SVFKEALGSGFTPE I LKVFAEKFPGEMTAP I LEVL GEAFTELLTAE L V I CLAEHFGKEFTPE I LSV CKELLGNEFSTE
UniRef90_W5LAJ0	LNMS EL	HAĘĶ	RVDP	GNFŘÍĽSĦŇ	L V V F A I L F P D H F T P E A M V V I A I M F P K D F T P E
UniRef90_UPI00032A1881 UniRef90_M4QW49	S A X S K L Q Q M G K S	HIFGI	V N <mark>C</mark> F H K V D P	LISILIQ MILIA H <mark>C</mark> LIY F KILI I A GIV	<u> A M V V I A I </u> M F P K D F T P E I L E V <u>L V</u> E A F P Q <mark>C</mark> F S P A
J (0100_1VITQ(VVTU	~ ~ W O IV O	🛌 🗀	v D L	_ ,	_ v <u>_ v </u> _ /

	130 140
UniRef90_UPI00042C01C9 UniRef90_P55267	WQAAWQKLVSAVAHALTLEY THQALDKFLNVVSGLLTSKYR
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UniRef90_UPI00035A227A	AQAAFQK VV AG V AN <u>SM L</u> SR
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UniRef90_K7N5M6	T Q <u>A</u> T F Q K F L A V V V S A L G K Q Y
UniRef90_P11749	T Q C A F Q K F L A V V V F A L G R K Y
UniRef90_P83113 UniRef90_M1VK56	A H H Q L D K F L A A V G G S L T S K Y R V Q A A W E K F L N V L V A A L S H G Y
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UniRef90_U5KNU7	V Q A A W Q K V V S G L D N S M A H K Y
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UniRef90_W5KM05 UniRef90 M3WAU3	MQAAWYKFLSVVVSALSKQY MQAAWDKFLTEVAMVLTEKY
UniRef90_P85082	V Q A A L Q K F L A V V V F S L G K Q Y
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UniRef90_C1BJP8	V Q A H W Q K F L R V V V S A L G R Q Y
UniRef90_H3A6U9	VQATWEKLLSVVVAAL
UniRef90_W5MLZ3 UniRef90_C8YNP6	AHVACDKFLVRVAEVLSQKYR SHAAMDKYLSAFSAVPGEKFR
UniRef90_C8YNR8	SHAAMDKYLSAFSAVPGEKFR LQAAFQKFLSVVVFSLGSQY
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UniRef90_Q6GPU5	A Q A A WN K FLEAUST LTSKHR
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UniRef90_M1VNS7	LQ <mark>C</mark> ALQSAFRALGDALAKGY
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UniRef90_H2LKV1	VQAVWQKFL <mark>C</mark> AVVEAMNSQ
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UniRef90_F6UQT5	Q S K S WE KLF S L T Y K Y L E S C Y
UniRef90_K4G4N4	A O F A F S K A F K A II C S F II IF D II IY K
UniRef90_H2U139 UniRef90_P07420	VASAWTKLLANMCCAVAAVY VQAATQKTVAGVANALAHKY
UniRef90_M7BE56	VSLS WE KLIFSILLIS E QILIN A S Y
UniRef90_W5LAJ0	V S L S W E K L F S L L S E Q I N A S Y V H V A M E K F L S Q D S L A L T E K Y R T H V A F D K F L A A V A L G L S E K Y R V Q S A W S K L L G V L Y W Q M N K V Y
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UniRef90_M4QW49	IVIOSAWSKII I IGIVI IY WOMNKIVIY

	1 10 _ 20 _ 30 _ 40
UniRef90_P02022 UniRef90_F6R663	1 10 20 30 40 LIS D S E K S A VA S LWE K LA P Q T N K L G A E S M E R L F K N H P E T K M F L G F P S T T
UniRef90_Q9YGW1 UniRef90_UPI000273F3B6	WT QEERDE ISKTFQ GTDMKTVVTQALDRMFKVYPWTN FTVEEKAAVTNLLGRL NIEEVVDKTLGRLLVIYSWSQ
UniRef90_UPI000273A1EF UniRef90_P02206	
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UniRef90_P02143 UniRef90_W5PMJ4	WS EIVIEIL IH EII IT T T WK SII ID K H SIL IG A K AIL IA R M F II V IY P W T T
UniRef90_UPI0003AF8497 UniRef90_M1V8U2	LTRAERTI VVSMWSKI STQADVI GTETLERRVT <mark>C</mark> VSR LSEKDKNI VQTFWAKVAGREEDI G <mark>C</mark> DAVSRLLTVYPQTK YPWTQ
UniRef90_H3ARB7	LISEPOKELI QESWRI LHODITRLGI I MFI RLFETHPE <mark>C</mark> K
UniRef90_B9A9V0 UniRef90_G9DBN1	A D F D L V L K C W G A V E K D Y N G L G G E V L T R L F K E T P A T Q WT D H E R Q I I A D V W G K I N H D E L G G Q A L A R L L I V F P W T Q
UniRef90_C0A1I8 UniRef90_H2V2A8	ETSLVLK <mark>C</mark> WGPVEADYNTHGGLVLNRL <u>FAE</u> HPDTQ HK <mark>C</mark> LIVYPWTQ
UniRef90_W5KX69 UniRef90_K7EFP3	ADFDAVLKVWGAVEADFTGYGGEVLSRLFLEYPETQ
UniRef90_UPI00047C2B03	MLSDRSRPVIEATLPVVADNIEELATRFYVHLFGEHPELL MLTAEDKKLIMQLWEKVAGHQEEFGSEALQRMFLAYPQTK ADHDLVLKCWGGVEADFTGHGGEVLNRLFKEHPETL AERKAVQATWARLYANCEDVGVALLRNRFWRKKDSS LSEEQVQMIKDSWKVIRDDLAKVGLIMFVRLFETHPECK LTKTERTLIVSMWAKISTQADTIGTETLERLFFSHPQTK
UniRef90_H6VMS5 UniRef90_UPI00037CD26A	A D H D L V L K C WG G V E A D F T G H G G E V L N R L F K E H P E T L
UniRef90_L8HVQ9 UniRef90_M3ZWP1	A E R K A V Q A T WA R L Y A N C E D V G V A I L R N R F W R K K D S S L S E E Q V Q M I K D S W K V I R D D I A K V G I I M F V R L F E T H P E C K
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UniRef90_W4YI83 UniRef90_UPI000479C563	TAEHKRMVQKTWTKLSSNPAKHGATMFSKLVTDYPAVGMLSDTSRPVIEATLPVVGENIVELAQRFYAHMFADKPELMLTTEQKNLIKGSWRSVAPEKAKCGAVMFAKLVTEHPHIG
UniRef90_W4XLX6	LTTEQKNLIKGSWRSVAPEKAKCGAVMFAKLVTEHPHIG
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UniRef90_H9GXG1 UniRef90_W4XUE2	VSVFYRFFVNFPSAK
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UniRef90_G9P2E9 UniRef90_E5XR09 UniRef90_C8CMH6	LELGRK HYHYHS NKKLGA THFKYGV ERMCQKHC SLGI L LDRVASKHASLGV V VRESTLKHFKSGV V HQRG RDNRRFDMF PRI IQKHA ALGV P ALQALGKRHYGV F ALMSRNKHASLGI L SRVAHKHASLGL F VKRI AHKHRSLNI L SRVAHKHRSLNI L SRVAHKHRSL NI L SRVAHKHRSL NI L	P E H Y D	L	PAMTPA EAIITPE EMWSPE
UniRef90_UPI00036F3778 UniRef90_C5D1W6 UniRef90_Q1Q046	HQRG RDNRRFDMF PRIIQKHA ALGVI PAIQAIGKRHYGVI	RPEHYEAI GTA PEHYPLVGG <mark>C</mark> CEEHYFTVGNA	L	D D W T P E E A A T D E D A F T II F
UniRef90_M2VJD4 UniRef90_D2NPK8 UniRef90_W3AEK2	AIMSRNKHASLGLI LSRVAHKHASLGLI PAVLOUAHKH	TADSYPTVHTH KEEEYPTVYKY	L F A A I V E V L G E L F E A L A A N L G C	AVTPE DLATPE DAATDE
UniRef90_W3AEK2 UniRef90_Q5WL63 UniRef90_M2XD60	VKRIAHKHRSLNIE LSRVAHKHTSLGIV	CPEQYPI VGEN DEGQYPI VEKH		A A S D D D A L T P E

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UniRef90_E0IEV8 UniRef90_S3D2U5 UniRef90_F2Q9W6 UniRef90_G9EGH1 UniRef90_F6ZKU9 UniRef90_E3E3M9	MLSEQTI ATI KSTVPVLAEHGLAI TQQFYKRLFQQHPELL LTKSQIQTI KATVPVLAQHGETI TTKFYADLLVAHPELK LTPTQSRLVKESWKMFLSKKRENGFVIFRVLFTDYPVTR MLTHEQEKLINATAPVVAEHLNAITQRFYPLMFARYPEVK FTDEELKLLRNSWDEVKKGMKEVGLHIFTGLLNAAPSLR MLSKQTINIIKSTVPVLETHGEEITGRFYDLMFQAHPELL
UniRef90_X8BP34 UniRef90_L7LLG7 UniRef90_UPI0004142B3D UniRef90_M5TCL4 UniRef90_K1PSK3 UniRef90_K9WM86	MLSAESLGVIRETLPAVAGAIDEITPLFYSKMFÄAHPELL MISSDTKLVLEATVPVVEAALPEITPRFYDRMFTARPELL MLTPAQRDIIKATVPLLEVGGEALITPRYQUMLDTHPEVR MLSDKTIRIVKELTPLVAANAETLTRRFYERMFESNPEVK LTEEEVIAVEDSWSMLYEHRKENGVKLFMNLYSLHPATI
UniRef90_W2E2W1 UniRef90_UPI0003C168BE UniRef90_UPI00037EC7DA UniRef90_D3G0B8 UniRef90_W3AE72	LAPTQVELVQSSFEKVKPIADRTAELFYQRLFELSPSVRMLKQATIDIIKSTVPALEVHGTDITKLFYTRLFETHPELL WMLIVPWLQ MTEAEILLVQKSWTAIQTRSDIIGVKFYTKLFEVQPLFK MLSKETISIIKSTVPVLEVHGTKITTRFYQLLFERHPELL MLSLQTRSIIKSTVPVLAEHGTAITTVFYKNMFEAHPELL
UniRef90_N2JDI5 UniRef90_UPI00035E4E8A UniRef90_K4PYU2 UniRef90_W9P2U9 UniRef90_W9GC32 UniRef90_UPI000477A4C2	MLTAQQRTI I KSTVPLLETGGEVLTTHFYKMMLNEYPQVRMLTSREIKI VKATSPVLDSAGVDITKYFYNRMFSCNPELK FTEKDEALVKESWDIMKQNIPEYSLRFFSI I LEI APAAK DLLPLFQYNC DTDRLKSTWGEVTLHGDDVALYFYSHLFVTHPELR MTNQQIQLVKQTWKLLREDPAVLGDVFYGRLFFKYPMLR
UniRef90_R7Y0P2 UniRef90_UPI000344B12C UniRef90_I3EA62 UniRef90_UPI00034D7B38 UniRef90_J3D8U9 UniRef90_UPI00040A6106	MLSTQSATVVKATLPVIGAALGDITPVFYQRMFAAHPELE QVELLEDSFEAVKPQANEFVESFYDNLFTANPEAK MLSEKTIEIVKSTVPVLEKHGEDITKHFYATMLKAHPELL IELIEQSLELIKPKSRDFVHSFYQNLFILAYPETK MLSDAHRAIVKSTVPLLESGGEALTTHFYKMLMRDYPQVI MLTESQRAIVKSTVPLLESGGEALTTHFYNTMLGEYPEVR
UniRef90_B9CTU8 UniRef90_X5KG23 UniRef90_Z5XKQ5 UniRef90_B3QH91 UniRef90_M7BGH7	LDKRHADVVSATLPLIASRIDDITREFYQGLFGNHPELL MLSEKTIQVVKSTLPLLAEAGPQVTEYFYDRMFSYNPELK LSPADLHRVRTSFDLMWPRSTEMADQFYARLFELAPDSR
UniRef90_UPI00047EE4C7 UniRef90_A0A058ZPU3 UniRef90_W3X6Y2 UniRef90_F8I6Y7 UniRef90_P31331 UniRef90_U1KRK6	SAAQVALVQRSFATVQALGDTAAELFYGRLFDIAPQVR MNETQIDMIQASFAKVAPIAETAADIFYTRLFEIAPEVK LTPSQLAIVKSTAPVLKEKGEEITTLFYKNMIGAHPE VKATVPLLKGRAEELGTRFYRHLFAEYPELQ LSAEQKTALKOSWKILAANGEKNSAAMFGLLFEKYPDTK MLSORTITIVKQSIPLLANAGVEVVTEHFYQRMFAHNPELL
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UniRef90_S4RV53 UniRef90_V5GLC7 UniRef90_C7YZV6 UniRef90_E5G622 UniRef90_UPl0002DA83D1 UniRef90_L8LTA2	RLFTGHPASK LTSRDRYLIKSSWAGPRQKPTESGVALFLLFFKHHPEYK LTQAQVALVKSTAPILKEHGKTITTFYRNMLGAHPELK ADFDMVLKCWGPVEADHATYGSLVLTRLFTEHPETL MNDETIHLLETSFAEVAAIREPAAALFYERLFANDPSLR DEQIDIVKTSFNDLLPEADSLAKIFYEQLYEMAPSVR LLKESWTLVEEDRDRLSGHFYARLFLLDPALR MLNASDRAIVKSTVPLLESGGEALTTHFYKKMLSEYPQVQ ALIRTTFKAVAADPDELARTFYAILFTDHPQLR
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UniRef90_I8IYL2	MILIT QETMKIVI IKATAPIVLIQEH GIVIAII ITTIVIFYEEILIFREH PEILIR
UniRef90_U2EMN6 UniRef90_T0HX42	MLTDQQTETIKATAPALQA <mark>C</mark> GEELARDMYARMFRNNPEVK LSDQTIALVKATVPALEAHGLDIVHEMYAR <u>M</u> FQ NPELR
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UniRef90_R7UHS6	II I IT PEEU VI VIRIVIT WEOII IKT NII IA NII IGKKIVIEII IRII IE NII IKPDII IK
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UniRef90_G8WZT4 UniRef90_UPI000289034B	DIVT ALL RQS WN QV A A A GS RA A KYFY A T LFV I A PETR MLSVKTKNIV KATVPALE QNGVT I TKTFYKNMLGE HPELL MLSDQQISTIV KSTIPLLESVGPSLTQHFYKRMFEHNPELK QVEVLEQSFERVKPYANEFAASFYNNLLTDYPQLQ LSAQTIALVKATVPALEAHGLDIVGEMYSRMFRD PGIR DTDADLIRRTMAVVEPIADRTTSHFYALLFLSHPEIR MLSQETIQVIKSTVPVLEIHGTAITKFYYEMMFNGHPELL MLTSTQERIIEATAPVVAEHLTTITQHFYPLMFERYPEVA DIKVLEVSFALIQPQATEFASKFYKNLFTDYPQLQ DPAVIRASFAVVERRADQLTKFFYAHLFTNNPGVE MLSQKTIDIIKSTVPVLQVHGTTSYFYAHLFTNNPGVE
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UniRef90_E4NEB0	DPAVIRAS FAVVERRAD QLITKEFYAHLETNNPGVE
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UniRef90_G6XK11 UniRef90_U1NPG6 UniRef90_UPl000248C5DB UniRef90_UPl0003731866 UniRef90_UPl0003731866 UniRef90_W3ADL5 UniRef90_M3ADL5 UniRef90_W1RRL3 UniRef90_W1RRL3 UniRef90_U4TDK0 UniRef90_UPl00036211E2 UniRef90_UPl00039BD3CD UniRef90_UPl00035F1C6F UniRef90_UPl00035F1C6F UniRef90_UPl000361A298 UniRef90_UPl000361A298 UniRef90_UPl000361A298 UniRef90_UPRE9 UniRef90_T7RE58 UniRef90_T7RE58 UniRef90_D7G782	A E M F D P A H Q K N G A Q P R A L A M A V L A Y A NI W P Q F R A L P D S S E L Q M Y G I V F M N A M R Y I V D N I D N D E A I K N V F N H T N Q K Q G R Q Q T A L A N A V Y A A A V H I D N L A A I L A M F P E D M T E Q R K K L M G M L A A V V S G L S N L E T L L E K F A A F R N L K G T P G F R S H A S K I M G M L F Q Q Q N G T E F L H N V F N Q T N Q A N N H Q A K A L A A S L Y A Y A S H I D D L G A L N I F N Q T H Q L T G H Q P R A L A N A L Y A A A A N I E D M S T I M P A L P L F K G N M N V F N M T H Q K T G G Q P A A L A N S I Y A Y A A N I D N L D A L S D T I I N V F N M G N Q Q N G K Q Q M A L A M A V L A Y A E N I E D P S V L V P A V A M F P P A M D V Q R D R L F G A L A R I V W S L D S P D G L D S Y L H L F N M G N Q Q N K R Q Q T A L A M A V L A Y A E N I E D P S V L V P A V A M F P P A M D V Q R D R L F G A L A R I V Q Y F K T I P D L M M I P E V G F H G R R V M V T L N Q L I Q S M G H W C K L I H L F N M S N Q S E G T Q K K A L A Q A V Y S Y A Q H I D R L A D L Q Y F K T I P D L M M I P E V G F H G R R V M V T L N Q L I Q S M G H W C K L I H L F N M S N Q S E G T Q K K A L A Q A Q V Y S Y A Q H I D R L A D L P L F K D T D M D K Q G E K L M K T L G V I V N K M D T L K P L L N I F N K T N Q K K G A Q P T A L A T T V L A A A K N I D D L T P L L N I F N K T N Q K K G A Q P T A L A T T V L A A A K N I D D L T P L L N I F N A G N Q A N G A Q Q Q S L A S A V F A Y A A R P L F N R A H Q A S G D Q P R A L A N A V Y A A A L H I D R L E E L G M F S F L K D V Q D S P Q L Q A H A A K V F E M V R D S A V Q L G E V I L G D
UniRef90_J9SPJ1 UniRef90_Q54D73 UniRef90_Q54D73 UniRef90_UPl00037ADA48 UniRef90_C5AB71 UniRef90_E1X5F5 UniRef90_UPl00037CAF05 UniRef90_B6QE53 UniRef90_B6QE53 UniRef90_UPl000288936C UniRef90_UPl000288936C UniRef90_UPl000255986B UniRef90_UPl000255986B UniRef90_UPl00024838DF UniRef90_UPl00024838DF UniRef90_UPl00024838DF UniRef90_UPl00024838DF UniRef90_UPl00024838DF UniRef90_UPl00024838DF UniRef90_UPl00024838DF UniRef90_UPl00024838DF UniRef90_UPl00024838DF UniRef90_UPl00024838DF UniRef90_UPl00024838DF UniRef90_UPl00024838DF UniRef90_UPl00024838DF UniRef90_UPl00024838DF UniRef90_UPl00024838DF	RPLFGADLRPQAIMILQQAILAAVLDHLDDALW ILGRIL NIFNH SNQRNQKQPVALANTILQSAIHIEKLNELN RLFPT DMDAQAAKLSKMLVRLVRSVDDLSRME NLFNQSHQKAGGGQPEALARAVWAYAAN IDNLGALGGAV PYFNRAHQEMGTQQEALAGA ICAYAKNIDNLSAGA NVFNQAHQ AAGEQPQALARAVM AWAEHIDEPQVL DYFNTTNQLNGHQQRAL AGALYAYAANIDNLGALGPAV QMFSFLRNSDKNPKLKTHAMSVFVMTCEAAAQLRKRDTTL RNMFNQTNQKKGFQSTALAQSVLA AAMNIEDLTPLL RNMFNQTNQKKGFQSTALAQSVLA AAMNIEDLTPLL RNMFNQTNQKKGFQSTALAQSVLA AAMNIEDLTPLL RNMFNQTNQKKGGQQRALANGVLMYAANI PYFNAGAUQRALANGVLMYAANI NLFRNMGNQASGAQQQSLASSAVFAYAANI NLFRNMGNQASGAQQQSLASSAVFAYAANI NLFPRNMGNQASGAQQQSLASSAVFAYAANI NLFPRNMGNQASGAQQQSLASSAVFAYAANI NLFPRNMGNQASGAQQQSLASSAVFAYAANI NLFPRNMGNQASGAQQSLASSAVFAYAANI NLFPRNMGNQASGAQQSLASSAVFAYAANI NLFPRNMGNQASGAQQSLASSAVFAYAANI NLFPRNMGNQASGAQQSLASSAVFAYAANI NLFPRNMGNQASGAQQSLASSAVFAYAANI NLFPRNMGNQASGAQQQSLASSAVFAYAANI NLFPRNMGNQASGAQQSLASSAVFAYAANI NLFPRNMGNQASGAQQSLASSAVFAYAANI NLFPRNMGNAGGDL ANTDIKQQSKKLLQSLVLVVENLDALGDAL NVFRNQSNQAQGRQQVAL AQILYQAALHIEQLETLLPAVV PYFNPAHQQSGRQQRALASSAVCAYAQYV DNPAAL DLFRQSSNQAQGRQQRALASSAVCAYAQYV DNPAAL NVFRNQSNQAQGRQQRALASSAVCAYAQYV DNPAAL NLFRNCSSCSSCKF
UniRef90_B2U728 UniRef90_Q53I64 UniRef90_B7FYB0 UniRef90_B7FYB0 UniRef90_R7UHS6 UniRef90_B3S6K0 UniRef90_A8LZ06 UniRef90_F4NCQ6 UniRef90_K9XM42 UniRef90_U2Y5Y4 UniRef90_U2Y5Y4 UniRef90_U2Y5Y4 UniRef90_UPI000289034B UniRef90_E1V3U8 UniRef90_E1V3U8 UniRef90_E4NEB0 UniRef90_K9WGN6 UniRef90_R9C5Q8 UniRef90_UPI000367596D UniRef90_UPI000370C764 UniRef90_UPI000367C074 UniRef90_UPI000367C074 UniRef90_Q7M455 UniRef90_P02239 UniRef90_UPI00037BF8FD	N VFNVANQAVGEQPKALAASVVAF AVQLLDPDAPDFTNVFNMGNQANGSQQQSLASAVFAY AANHGNN AALNLFKRNVDDMNSPEFHAHCIRVVNGLDTVIGLDDLKSQLQFCPAASGVVTTRQSKTLGDAVVQYALNIDKLENLNEAVKLFPFSDVWGDPKFVLHSERFMLVVDCCVQNLECHGEMLRLFEKIKDVPHNENFVFHTTRVMETIDHAVKGIDNLPALTTMFPVNMQYQEDKLAALGHITSLDDSAA LTAFTNTFNKVNQQKGKQPTALAMTVLA AAKNIDDLSVLMDVFNMAHQAEGTQSLA HTTSLDDSAA LTAFTNTFNKVNQQKGKQPTALAMTVLA AAKNIDDLSVLMDVFNMAHQAEGTQSLA LTAAILAYASNIDNLGALAPAVELFAKTDM DQQHQKLIMSLILVVSNLRNPLKITLDLFNASHOODSAA LTAAILAYASNIDNLGALAPAVELFAKTDM DQQHQKLIMSLILVVSNLRNPLKITLLDLFNASHOODSAA LTAAILAYASNIDNLGALAPAVELFAAALASSVLAY VQLRKNPAQARPLFAA LVTAAILAYASNIDNLGALAPAVELFAALASSVLAY VQLRKNPAQARPLFAA LVTAARLADQPQRLTEYLHIFNH ANQKQGRQQTALASSVLAY VQLRKNPAQARPLFAA LVTAARLADQPCRLTEYLHIFNH ANQKQGRQQTALASSVLAY VQLRKNPAQARPLFAA LTAALANAVYAAAANIDQLEALITAFA LTQLVTRLEEPEKLTGYLNIFNHANQ AKGRQQTALASSVLAY VQLRKNPAQARPLFAA LTQLVTRLEEPEKLTGYLNIFNHANQ AKGRQQTALASSVLAY VQLRKNPAQARPLFAA LTQLVTRLEEPEKLTGYLNIFNHANQ AKGRQQTALASAVLOYARHIDDULYGYLNIFNHANQ AKGRQQTALASAVLOYARHIDDULTEYL

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UniRef90_W7B9N7 UniRef90_I3NH32	VKTIAHKHRSLTIVKAEHYPI VGEYLLKGIAEYLGDAATPE EYLAGLKHRAVGVKLSSFSTVGESLLYMLEKCLGPAFTPA PVLNALGGRHYGVIPKYYEPVGSALLMAFEQYLQEDWTPD VLLQKKLHFNRGIRIKELRDGYGVLLRYLEDHCHVE GS SAV ERIAHKHNIQPDHYQIVGHHLIETLRELAPEAFTSE
UniRef90_K9VX73 UniRef90_P41262	PVLNALGGRHYGVIPKYYEPVGSALLMAFEQYLQEDWTPD
UniRef90_C9P7Z2	SAV ERLAHKHNI QPDHYQI VGHHLI ETLRELAPEAFT SE
UniRef90_UPI00041ACC89 UniRef90_UPI0003771303	QQI G RDHRRESVIAFHYSAVGASI I ATI RHEI GPAWTEG
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UniRef90_D8PFN9 UniRef90_C3XHE5	Q D M G A R H V G
UniRef90_A0A014MS30 UniRef90_U6NTA8	LIGDIL PAQSLQVQPEHYPI VGGFLLRAI REVLGAEI TDE
UniRef90_S3BRK2 UniRef90_U6DK15	SGLG RGHRKYGTLPTHYPAVGECLMAALARYTPRTWGPRKPLAQSHATKHKIPVKYLEFISEAIIQVLQRKHSGDFGADKQVAHKHRSLGIRPDQYPIVGKYLLQAIQDVLGEAATPEKQIGHKHRSLGIRPDQYPIVGKYLLQAIQDVLGEAATPEKQIGHKHSLGIKPEHYPIVGKYLLIAIKDVLGDAATPD
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UniRef90_P49852 UniRef90_E7FIH1	N () N A A
UniRef90_F6AEC5 UniRef90_UPI000377B994	GQI VNKHV ALQI LPEHYPI VGSCLLRAI REVLGEEIT DE KGISTK HRSLNI QPEQYKI VGNHLI ASI AEVVGEAATPE
UniRef90_G6XK11 UniRef90_U1NPG6	WERIAQKHÜSLEI QPEHYPHVATALLGAI KSVLGDAATPDEKIISISHKKWGVHKTHIKNILVELLEVLCDRLRRN DPEPVVKQHKHRSLGVKPEHYPIVGRTLLTAMREVLGEAATDEPAASALAKRHYGATAEHYPVVGASLLWTLEKGLGDAWTPE
UniRef90_UPI000248C5DB UniRef90_UPI0003731866	PVVKQHKHRSLGVKPEHYPIVGRTLLTAMREVLGEAATDE PAASALAKRHYGATAEHYPVVGASLLWTLEKGLGDAWTPE
UniRef90_V5YLS0 UniRef90_M3ADL5	I I L NIL IK NH K K K GI P K K A F I E I K A I V Q I V S E L V K L D D E S DA VIE K I C L K L D D E S DA VIE K I C L K L D D E L V K L V G E C L I D A M G S L I G E T E T D E
UniRef90_UPI0004721B6C UniRef90_A3VCL8	ERIGOK HRSLOILPEHYPIVGENLLAAIKDILGDAATDE PAAQALAIRHYGVQPEHYDKVGASLIRTLEQGLGPDFTSD
UniRef90_W1RRL3	MRILIAHK HISENII QPDQYDII VIGHHILI IE IILIKEILIAPDAETKD
UniRef90_UPI00036211E2	ELVAHKHA SLNI RPEHYDI VAE <mark>C</mark> LI QAVKDI LKEAATTE TKI GHKHV SLDI RPEHYAI VGRHLI ASI GEVLGEAATPE SQLG RDHRKYGVLAEHYTAI GNALLATVRRFAADSWDHE
UniRef90_UPI00039BD3CD UniRef90_C6VYQ3	SQLG RDHRKYGVLAEHYTAIGNALLATVRRFAADSWDHE DTIGHKHA SLHLRPEHYALVGRHLIASIGEVLGD <u>A</u> ATPE
UniRef90_UPI00035F1C6F UniRef90_UPI000441A106	DTIGHKHA SLHIRPEHYAI VGRHLIASIGEVLGDAATPESHLG RGHRKYGTRPEHYPAVGECLIGALTRYASAVWNDEERLVDSHKNTHKIPAAMFQELFQAILCVFQDLLREEFTDD
UniRef90_UPI000361A298 UniRef90_W0RNE9	<u>L P L V E R I A H K H G I L P E H Y P L V G K Y L I E A I Q D V L Q D A F T D E</u>
UniRef90_D7G782	PVIGALGKRHYGVEQRHYDTVGDALLWALRDTLGTAFTPE ENLGRKHVD YGVTPEMYPSVGKALLITFEKGLGEE <mark>C</mark> TPL GHVRQFKHRALQIKPEHYPI VGEYLLKAIKKTLGDAATPE
UniRef90_J7RE58 UniRef90_Q94FT7	I K R L G S T H F K N G V S D T H F E V A R F A L L E T I K D G I P A S W S P E
UniRef90_A6SVK8 UniRef90_D8IWI7	PVISRHKHVSLGVTAAHYPIVGEHLLGAIKQVLGDAATPE GPLAAQIINKHQVLPEHYPMVGDCLLRAIREVLGAELTDA
UniRef90_C4KZ30 UniRef90_G7KGT0	PVIGALGKRHYGVEQRHYDTVGDALLWALRDTLGTAFTPE ENLGRKHVD YGVTPEMYPSVGKALLITFEKGLGEECTPL GHVRQFKHRALQIKPEHYPIVGEYLLKAIKKTLGDAATPE IKRLGSTHFKNGVSDTHFEVARFALLETIKDGIPASWSPE PVISRHKHVSLGVTAAHYPIVGEHLLGAIKQVLGDAATPE GPLAAQIINKHQVLPEHYPMVGDCLLRAIREVLGAEITDA PAIALHKHKSLNIRPEHYPIVGENLLAAIQDVLGEAATPD ATLGAIHIQKGVVDP HFVVVKEALLKTIKEAAGGNWSEE GALGRRHAD LGVTPEMYGWVAGALVTTMAERGGGDWTDE
UniRef90_J9SPJ1 UniRef90_Q54D73	
UniRef90_UPI00037ADA48 UniRef90_C5AB71	A QII IR DII IG R Y <mark>H</mark> IVIG T F D G Q Y A MIVIG A AII I IF AII I F R Q T R G W T D D
UniRef90_E1X5F5 UniRef90_UPI00037CAF05	SRIAHKHV SLSVRPEHYPIVGDNLLAAIVEVLGEAVDAP VSLIANKHSSLKIKPEHYPIVGVNLLESIKEVLGDGATDD EDSVRRIAHKHRVTEDQYAIVGEHLLGAMGEVLGDAATPE
UniRef90_D0D5I5 UniRef90_B6QE53	A P L E A L G A R H Y G V Q D G D Y D T V G A A L I E T M S R R L G A R F T P A E T I T N K H A S L Y I K P E H Y K V V G T Y L L A A M G E V L G D A L T P E
UniRef90_O04986	
UniRef90_E8SF45 UniRef90_UPI000288936C	R R L G A T H L K Y G V G D A H F E V V K F A L L D T I K E E V P A D W S P A P V V K E I G Y K H L Q V L P E H Y P I V G E N L L A A I Q E V V G I D E N H P V A T I V N K H V A L Q I R A E H Y R L V G A S L L Q A I R E V L G A E V S D A G P V L E R I V H K H G I T P S H Y P I V G R H L L G A I K D V L G E A A T P E Q D L G K K H L N Y K V Q K S H Y E T F G I A L L S T F A L I L A D D F T Q E V E L G R R H A N F I G F K P N Y F N H F E E A M M D V F S E D L G P V F D V K T G L G A R H V K Y G A L P E H Y P L V G N T L L K T F E E F L G S A W T D E R E L G R D H R K Y G A Q P E H Y P D V V W R C L I S A L K H Y A G A A W T P D R O V G F K H R S I G V V P F H Y P I V G K H I I L A M K A V I K F A A T D F
UniRef90_V5PPD6 UniRef90_UPI000255986B	QDLGKKHLN YKVQKSHYETFGLALLSTFALILADDFTQE
UniRef90_T1FAW0 UniRef90_UPI00024838DF	<u>V</u> ELGRRHANFLIGFKPNYFN <u>HF</u> EEA <u>MMDW</u> FSEDLGP <u>W</u> FD <u>W</u> K TGLGARH <u>W</u> KYGA <u>L</u> PEHYPL VGN <u>T</u> LLKT <u>F</u> EEF <u>L</u> GSAWTDE
UniRef90_C7QCW0 UniRef90_I8IYL2	RELG RDHRKYGAQPEHYDVVWR <mark>C</mark> LISALKHYAGAAWTPD RQVGE <u>K</u> HRSLGVVPEHYPIVGKHLL <u>L</u> A <u>M</u> KAV <u>L</u> KEAATDE
UniRef90_U2EMN6 UniRef90_T0HX42	S D V V E L T A N K H G I L P E H Y P I V G K N L L A S I E H V M G A A A T P Q A P A V E R I A Q K H Q I Q P A H Y P H V A F A I L G A I K A V L G D A A T F F
UniRef90_Q7NKA6 UniRef90_A0A044U5A6	RELG RDHRKYGAQPEHYDIVVWRCLISALKHYAGAAWTPDRQVGEKHRSLGVVPEHYPIVGKHLLAMKAVLKEAATDESDVVELIANKHGILPEHYPIVGKNLLASIEHVMGAAATPQAPAVERIAQKHQIQPAHYPHVAEALLGALKAVLGDAATEEQDLGNRHAG YGIVPEHYPMVGTSLLKTFETYLGDAWTPEELINESHAHKKHFKPEMFWAMEEPFLYSVKLILGERYTDNTPVLQRIAHKHGIKAPEYTIVGRYLMGAIGKVLGDAVTPEAPVVNRIVHKHGIKAPEYTIVGRYLMGAIGKVLGDAATPDEHLAQQHKERDGIHKTHFDEMSHAFGAVMPQVSSCFNPDLRIAHKHCALGVKAEHYQIVHDNLMEAIGEVLGSAVTPEANLGRAHWNYKGFSRENFEVFMKAIWYVWYHQLKDSMDSEVLKQLSHAQYNVKKEYFK
UniRef90_UPI000318168E UniRef90_B2U728	T PV LQ R LAHKHGI KAPEYTI VGRYLMGAI GKVLGDAVT PE
UniRef90_Q53I64	EHLAQQHKERDGI HKTHFDEMSHAFGAVMPQVS SCFNPD
UniRef90_B7FYB0 UniRef90_R7UHS6	ANL GRAHUNYK GESRENFEVENKAL WYVWYHQLK DSMDSE
UniRef90_B3S6K0 UniRef90_A8LZ06	V
UniRef90_F4NCQ6 UniRef90_A3YCM6	PAIVIN QHKHRALIQIV QPA QYDII VIGKYLL LAII KEVLIGNAATPD SAIVI QRIAHKHTI RPAHYDII VIGLIHLI ETILIRELAGDIVIFTAE
UniRef90_K9XM42 UniRef90_U2Y5Y4	QNLGARHV SYGTLQQHYPMVGAALLKTFESYLGKDWTPE ERIAQKHVG LQLLPFHYPHVANAI I GALQHVI GDAATDF
UniRef90_G8WZT4 UniRef90_UPI000289034B	HRLGADHRRFHGVDLLRHYMWVGGALLLAILEHEVGPQWIPS PAVNQHKHRALQVQPAQYDIVGKYLLLAIKEVLGNAATPD SAVQRIAHKHTIRPAHYDIVGLHLIETLRELAGDVFTAE QNLGARHV SYGTLQQHYPMVGAALLKTFESYLGKDWTPE ERIAQKHVG LQILPEHYPHVANALLGAIQHVLGDAATDE SQLG RGHRKYGTRPEHYPAVGEALIGALSRYAAEMWNEE PAVKQHKHRSIGVKPEQYPIVGHYLLAAIKDVLGEAATED HALEVNKHVSLDIQPDQYPIVGECLMAAIGDVLGEAATED KDLGTRHVRYGTIQ EHYPMVGGTLLKTLESFLGKEWTPE AALG RDHRKFGGNAATDD
UniRef90_E1V3U8	HALEYNKHUSLDI QPDQYPLVGECLMAAI GDVLGEAWTEE
UniRef90_K9WGN6 UniRef90_E4NEB0	A ALG RDHRKEQAAPEHYPAVGASLIAALKHESGHSWTQE
UniRef90_R9C5Q8 UniRef90_UPI000367596D	RNLG RGHRKYGTVDAHYPAVGACLIGALSAYAVRTWTPQ
UniRef90_UPI0003A08B63 UniRef90_UPI000370C764	HHLGADHRRF <mark>CGVDVRHYIW</mark> VGQALLATLADF <u>VG</u> SEWTPR MQL <u>G</u> RG <u>H</u> RK <u>YGTR</u> STHYP <u>A</u> VGE <u>C</u> L <u>M</u> TALER <u>FA</u> PRTWGPE
UniRef90_UPI000367C074 UniRef90_Q7M455	MQLG RGHRKY GTRSTHYPAVGECLMTALERFAPRTWGPEATIVNKHV SLQI LPEHYPLVGASLLKAI REVLGAETTDARKFAVNHVNR GVLDVKFAWI KEPLAELLRRKCGQTCTDQPVVRQHKHRSLGI KPEQYPI VGKHLLLAI KDVLGDAATDEKSLGSVHVSKGVVDA HFPVVKEAI LKTI KEVVGDKWSEESQAI ERI AQKHTI RPEQYAI VGHHLLATLRELAPDAATPE
UniRef90_A4INU4 UniRef90_P02239	PVVRQHKHRSLGIKPEQYPIVGKHLLLAIKDVLGDAATDE
UniRef90_P02239 UniRef90_UPI00037BF8FD	K S L G S V H V S K G V V D A H F P V V K E A L L K T L K E V V G D K W S E E S Q A L E R L A Q K H T L R P E Q Y A L V G H H L L A T L R E L A P D A A T P E



UniRef90_UPI00034D8457 UniRef90_P08054	1 10 20 30 40 ML S S H H L N T V K S T L P L I S A A G T T V T D H F Y Q R M F T H N P E L K L T E K Q E A L L K Q S WE V L K Q N L P A H S L R L F A L I L E A A P E S K
UniRef90_UPI00047BCAEB UniRef90_UPI0002197F4C UniRef90_UPI0003FE224E	LDPKKLEII I KATLPVI KEHGEAII TKQFYKRMFKQHPELK
UniRef90_G9NNS6 UniRef90_P23216 UniRef90_UPI0003629351 UniRef90_R1F7K1	L D E Q T K D I I K A T V P V L Q Q Q G S E I T K R F Y Q L M L T N H P E L K L S P A Q I D I I K S T V P I L R E H G P L V A T T F Y A N M L A A H P E L Q L T A D Q V A A L K A S W P E V S A G G A Q L G L E M F T K Y F H E N P Q M M M L N P S T L A I I K S T V P V L E V H G T A I T A R F Y E L L F T N H P E L L A I V K A T A P A V A P K V R E I V D D F Y P R M F S N S P E A K M L T E Q E K D T I K Q T V P L L K E K G T E L T S I F Y P K M F K A H P E L L
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UniRef90_R8B8T8 UniRef90_UPI00034D31F9 UniRef90_P02215 UniRef90_C7CFI4	LQPASKSALASSWKTLAKDAATIGATEFSASFYQKLIFTYHPELIK
UniRef90_K9ERN6 UniRef90_W0V651 UniRef90_UPI00041EF5DC	MLSIEHRNI VSATVPVLEQGGETLTRHFYKNLFRDYPEVA MLNQKTIEI I KSTVPVLEQHGTAI TTRFYELLFKNHPELL
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UniRef90_W9YAC1 UniRef90_B6BCU8 UniRef90_W1IVC8	LSAEHQAII KSTVPVLAEHGVALTSHFYKRMLNAHPEMR MTDAELEQLRESYSKLKDEAVRDPAFFYDALFRHAPELR MLDSQVIKTIKSTIPLIVSTGPKLTAHFYERMFKHHPELK
UniRef90_B2IF30 UniRef90_C6WVM3 UniRef90_X7F9A6 UniRef90_O66586	MT P E QLE L VI E S F R T F A G K T P V A T A F Y D R L F A E H P E L R MI S F F T L R V L K S T V P L L K F H G T F L T A R M Y F L L F S K Y P K T K
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UniRef90_B4WP36 UniRef90_W9SYY0 UniRef90_G7H6Y4 UniRef90_F4XUI8	QSFELIKPRADEFTASFYENLLTDYPAAR MLCAEQRDLIKATVPLLESGGEALTTHFYNLMLGEHPEVR KDLLHHSLSIVDLPDDGLTVRFYDILFERYPGVK SQETLDIIKSTAPLLKKNGKQITTRMYELMFHNHPEVK
UniRef90_UPI00047AB5C2 UniRef90_A0YNP8 UniRef90_S9RC72 UniRef90_A4JRB1	LISAE RII IRESWATL VPMRALAAQLFYTRLFEIDPSAK SPQTIELIKSTAPLLKKQQQEITKRMYEIMFENHPEVK VINDSOKOYURSSIPLIESNGVDUTKNEYKKMIENYPEVR
UniRef90_Q5FSL1 UniRef90_A8QDR7 UniRef90_UPI00037C46BB	MLTQKTKDIVKATAPVLAQHGYDIITCFYRKISDAHPE LLTPETIAIIKATIPALEAHGVTITSEMYRRLIAD PAILTQKQKYVLTKNWKGIDREVSAAGVEMFLKMLSLHPEYKLTEATKAIVRATAPALASHGTEITAAMYKRLF ENAEVRLSEEQISMIKESWKLIQEDIAKVGIIMFVSLITSVPGCS
UniRef90_W5KYY3 UniRef90_UPI00034F65C9 UniRef90_UPI00037F4636 UniRef90_W6FSH9	LISEEQLISMI KESWKLI QEDI AKVGI I MFVSLI TSVPGCS LTTKQQYCMLASWKGI FRQI EKTGVLLFI KLFEENEDLL LLKESWTLVEEHQDKLAGYFYARI FLKQPGI R FSDDQKADI KSTWETLYGNKFQLGVELMANLFKAHPDYQ
UniRef90_G3AFJ0 UniRef90_UPl00047B57D0 UniRef90_Q9UAG7	MLSQEVRTLVKSTAPVLKTHGEALTCHFYARMFKANPOLL
UniRef90_M3B549 UniRef90_J7U6U8 UniRef90_A7HVZ4 UniRef90_E9FXJ0	A D Q R E I L R G L D L V S P F D E L I A E L Y D E L F Q R W P Y L R M L D A Q T L A T V K S T A P L I A A T G P K L T A H F Y D R M F R Q H P E L K L T E Q E K Q L I E K S I E R V A D V A G D P A S H V Y A R L F A Q Q P E M E L S A H E R S V I R K T W D Q A K K D G D V P P K I L F R F I V A N P E Y Q
UniRef90_W7ZSA4 UniRef90_Q4W9X3 UniRef90_UPI000359DC2C UniRef90_F2RD86	LLSAHERSVIRKTWDQAKKD GDVPPKILFRFIVANPEYQ ALIRTTFKAVAAEPEKLARSFYAILFTEYPQVR LTPEQVQFIKATVPVLAEHGTTITTVFYKNMLTAHPE L LFHTHPEAI ADAVLVRRTLAEIAPVADRVTSYFYALLFIRNPELR
UniRef90_UPI00036EF13D UniRef90_F0SL04 UniRef90_UPI0004025F08	DKILLEQSLALVAADDPDFTVRFYERLFADYPEVK DIPQLRDSFGLIAPRADQFAKSFYDRLFADHPELR MLNQEELQTIHSTVPLLQDKGVETTTKFYKRMFENHPELR SADEAALVQSTWNQVKSNEVDI
UniRef90_V5YLS3 UniRef90_UPI00034B10F6 UniRef90_E2AF92 UniRef90_B3SDK5	MILIS E T E ILIQTII R E T VIPIL L K E K G Q DILITAIL F Y K RILIF E E H P E ILIK F S A E E Y A L V K K V W S G I E IL N P Q F H G N A C L R S F C E IL Y P Q Y V O F R O A IL ID S W N A IL S T E K O K Y G T IL I E IL K E F IL I E P R V K
UniRef90_S4Y6K1 UniRef90_W9ADN1 UniRef90_UPI0003167A12	L L R E S F E L V I E R E P N L I H R F Y GIL L E S R Y P Q V K L L D Q K T M D I I K S T V P V L A E H G E S I T K H F Y S R L L E D H S E L K
UniRef90_K9SG59 UniRef90_V5YM54 UniRef90_A1W750 UniRef90_W2F108	KLLEDSFDRIKPKARAFSASFYHNLFEMYPVAK LTEADVEIIKRTWKIPSANPHDSAALIFSTFLEKYPHNQ MLSPEHRAIVQATVPLLETGGEALTTHFYKIMLSEYPEVR LVKESFALVEPVAGKAAAYFYGRLFSESPQLR LDDATRSIIKACVPVLEAHGVAITTEMYRRLLANPDIR
UniRef90_UPI000470FF35 UniRef90_W8AB70 UniRef90_UPI0002EB6588 UniRef90_H1VJL2	LDDATRSIIKACVPVLEAHGVAITTEMYRRLLANPDIR EALQSSWRLVERVGDEAVQYFYAHLFLAHPEVR MLRPRTIELVKATVPVLAERGPDITKRFYELMFERHPELL LTQDQINIVKSTAPVLKVHGETITTLFYKDMIDSHPELK KLARKQWKRVVQLVPNWHEVFFSYLFERAPYAR
UniRef90_A9UWH7 UniRef90_W9YS10 UniRef90_P02232	KLARKQWKRVVQLVPNWHEVFFSYLFERAPYAR LSPEHQAIVKSTVPVLAEHGVAITSHFYKRLLNNHPEL FTEKQEALVNSSSQLFKQNPSNYSVLFYTIILQKAPTAK MLDQQTINIIKATVPVLKEHGVTITTTFYKNLFAKHPEV
UniRef90_P04252 UniRef90_S9SWB7 UniRef90_A5DQY8 UniRef90_F2Q9Y0	MIL Q P R I I E I V K S I V P V L A E H G S Q I I I I R F Y Q L L F S N H P E L L L S P E Q V N L V K A S V P L L K A S G Q E L T K N F Y Q K M L S S Y P E V K L T S F D K K A V L D S W A K M G P T F O D A G F K V F I L L K T D S T K
UniRef90_X0RP83 UniRef90_I3ST11 UniRef90_L8EER3 UniRef90_R7TLW3	MASPKTLEI VTATVPVLEEHGVALTTVFYKNMFNEHPELL FTAQQDALVGSSYEAFKQNLPSNSVLFYTLILEKAPAAK AADQRVITEYLELVTPFGELI THLYETMFRRWPYLR TWALLSENRDGLGTEVFVRMFESYPDLK

UNIREGIO UPI00034D8457 UNIREGIO P080549780 ABB UNIREGIO P080549780 ABB UNIREGIO UPI00034P8CAEB UNIREGIO DELO UNIREGIO UPI00034P8CAEB UNIREGIO EN ALLA RANCIA LA R
UniRef90 Dyn003629351 UniRef90 Pyn03629351 UniRef90 Pyn0362935
Unikergo , Dsetu47 INJE NO Q A H Q A R R Q Q Q ALL A A Q V M
Dinkergo O. Speet Name Dinkergo O. Speet N
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UniRef90_briou2eb3568 N I F S M R N M A S G E Q P R A L A R S V L A Y A T Y I D D L P K L K A A V UniRef90_H1VJL2 N I F S M R N M A S G E Q P R A L A R S V L A Y A T Y I D D L P K L K A A V UniRef90_A9UWH7 T F P F D V D R L Q G N S S L A E H A K R V G Q A L E T A L Q G L Y S L V E V L UniRef90_W9YS10 R N I F N S A H Q S T G T Q P A A L A H A V L A Y A A H I D D L G V L T S A V UniRef90_P02232 A M F S F L K D S V D S P K L G A H A E K V F G M V R D A V Q L R A T G E V V L UniRef90_P04252 R P L F D M G R Q E S L E Q P K A L A M T V L A A A Q N I E N L P A I L UniRef90_S9SWB7 N V F N H A N
UniRef90_S9SWB7 NVFNHAN QRHGKQQMALANAVYANI DRLETIL UniRef90_A5DQY8 PFF NESDQKSLRQPKILAFALENIENLEPLTGFV UniRef90_F2Q9Y0 ALFPKFRDIPGHPDVRDHGGKVMQVLDDFIKGLDNGGDGA UniRef90_X0RP83 DFNETNQKLGRQQTALAMTVLA AAKHLDKLATLL UniRef90_I3ST11 DMFSFLKASTHSPQLQAHAEKVFGLTRDAAAQLGEVTLAD UniRef90_L8EER3 SLFPESMEF QRAHLARAFWYLIENLHRPDDILAEVF UniRef90_R7TLW3 SAFGPLRHMNKEDVLRAHGIRVLSLVEQVLSKRHNMEEVL

UniRef90_UPI00034D8457 UniRef90_P08054	90 100 110 120 K H A V E R A N K H N Q P D D Y H V G H H L E T M R E L G D R F S C E
UniRef90_UPI00047BCAEB UniRef90_UPI0002197F4C UniRef90_UPI0003FE224E	
UniRef90_G9NNS6 UniRef90_P23216 UniRef90_UPI0003629351 UniRef90_R1F7K1	DRII A QK HV SLIFII LIPEH Y PII V GK Y LII GA F Q QII L G D A F T P E H A L G V R H K G F G D II R A E F F P A L G M C L L D A M E E K V P G K Q I G H K H R A L G I K P E H Y P I V G E H L L I A I K D V L G D A A T D E E I L A H K H C G L G V K P R H Y S I V H O N I M E S I G H V M G D A V T P E
UniRef90_A5IPA8 UniRef90_U5EU47 UniRef90_R5Q9R1	MPVAYKHC ALQVYAEHYPI VGENLIKAI QDVTGILEEHDP GKLNQVSHKKMNVTKQAFQEI RLSI LEI LSI ACK LSDD KQI AQRHC SLGI RAEQYQI VGHHLIESI KEVLGAAATPE
UniRef90_R8B8T8 UniRef90_UPI00034D31F9 UniRef90_P02215 UniRef90_C7CFI4	ERII A Q K HV SL TII Q P A Q Y DII V G K Y L ME A II GII V L G D A A T P A K S L G A Y H H Q I G A L P E H Y P Y I G Q A L I E T F A E Y L D H D WN R E L K L S R N H I Q R K I G A S R F G E M R Q V F P N F L D E A L G G G A S G D E R L A O K H V A [N I] P E H Y P Y Y Y A D A L L A A I G D V L G E A A T P E
UniRef90_K9ERN6 UniRef90_W0V651 UniRef90_UPI00041EF5DC	QGLGTRHI KYGVLPEHYPMVGGTLLKSMETILQDDWTPE STIVNKHV ALQIRREHYPMVGASLLQAIREVLGAETTDA PVVKQQKHRALGIKPEHYPIVGETLLAAIKDVLGKAATDE
UniRef90_UPI0003675E6A UniRef90_T1GN60 UniRef90_A0A059IUM5 UniRef90_B6BLR1	SKVA ISHIK ROLDI RPEHYPI VGEQILLASI SEVLIGAAATPQ SKVA ISHIK ROLDI LPEHYPHVGTALLGAVSEVLAEAATPK KAILEK MVSTHI NVQPEHYPI VGITALLGAV SEVLAEAATPK
UniRef90_W6FEV1 UniRef90_J3M8X1 UniRef90_E9FXJ6 UniRef90_UP100037A277B	DEMLNNMARSHKPRREQFAQFAPVLFDSIG VSGAATLKRLRATHAGVADAHFEVVKTALLDTIRDAVPEMWSPENQLNALQPRGVTTTILELKEFGVILIQVLEELIGSAMTID
UniRef90_W9YAC1 UniRef90_B6BCU8 UniRef90_W1IVC8	SRIGHKHA SLGITPDQYPIVGEHLLASMKEVLGDAVNQPQELGRKHA SLGVQISHFAPMEEALVDSLRNALEDDFTPEPAVEKHKHTSLNIRPEHYQIVGTHLLATIDEMFHP GDE
UniRef90_B2IF30 UniRef90_C6WVM3 UniRef90_X7F9A6 UniRef90_O66586	GAAVERI AQKHNI LAEHYPYVGEALI GAI RAVLGDAATPE APVIERI VHKHGI KAEHYPI VGSALI GAIKGVLGDAATPE VSAEELRHRAYGVRPEHYAI VGQALLAAMAEVTPGGLSPA STUARSHVRR NVKPEHYPI VKEGLI QAIFEVNPGE
UniRef90_D8Q402 UniRef90_UPI00046EF76E UniRef90_D9X005	SPAVELICHKHYI RPEHYNI VGTYL LAAMKEI LGDALTQD SRIANKHA SLGITEDQYPI VYEHLFAAIGEVLGEAATPE RNLG RGHRKYGTRPEHYPAVGECLIAALSKYAAGVWNED
UniRef90_B4WP36 UniRef90_W9SYY0 UniRef90_G7H6Y4 UniRef90_F4XUI8	RGLGARHV KYGALPEHYPLVGSSLLKTLEQYAGPAWTAE GQVINKHV ALQVLPEHYPLVGR <mark>C</mark> LLKTLEQYAGPAWTAE STLGSLGARHMGVTEPMYAAVTECMVAAMSEIGGDDWTPE EVIAHRHV KTHVKPEQYPIVGESLLQAMKDVLHEAATEE
UniRef90_UPI00047AB5C2 UniRef90_A0YNP8 UniRef90_S9RC72	E E L Q A L S R R H Y G V V V A H Y E T V G A A L L WA L E Q G L G D Q W N A D S M L E K V A H R H T H V Q P E Q Y S M V G E S L L Q A M K D L L G E V A T D E S G F L D Q L V M K H Q L K A E H Y P L V G N C L L A T M Q E M L G K D L T P G K N L A N Q E M L G K D L T P G K N L A N Q E M L G K D L T P G C M C L L A T M Q E M L G K D L T P G C M C L L A T M Q E M L G K D L T P G C M C M C L L A T M Q E M L G K D L T P G C M C M C M C M C M C M C M C M C M C
UniRef90_A4JRB1 UniRef90_Q5FSL1 UniRef90_A8QDR7 UniRef90_UPI00037C46BB	ERIAQKHA SLEIQPEHYPHVATALLGAI SSVLGEAATPE ELIGRYHAHKKYFKPELFWVMEEPFLHSVKLILGERYTDN SAV ERIAQKHHIRPEHYPHVATALLNAI KDVLGEAATDE
UniRef90_W5KYY3 UniRef90_UPI00034F65C9 UniRef90_UPI00037F4636 UniRef90_W6FSH9	AVELGKSHYRYNAPPKYYGYVGAEFII CAVRPII LIKDKWTPE AYI QHVGATHHQVPAENFWKII EQPFIL QAAKTTLGERYTAN RSLG RDHRKFNVVPQQYEVVGAALI ESLRAFAGAEWSHE RFMII HNMARSHKPRKTHFNEFAPIL I ETFFKKVV DMSSK
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UniRef90_M3B549 UniRef90_J7U6U8 UniRef90_A7HVZ4 UniRef90_E9FXJ0	KRLG RDHRKLGVRPAHYEAFEALLRRIAGARWIDA EKIANKHA SLMIRPEHYPIVGENLLATIEELNPGE E AYAPVLNHSNLGVPPAVFATFFRVVMETFRELLGAEWTAE NQINALGHQPRGATPIMFEQFGAITEVLAEELGIAFNAE
UniRef90_W7ZSA4 UniRef90_Q4W9X3 UniRef90_UPl000359DC2C UniRef90_F2RD86	A QL G RDHRKYGVVPEHYVAVGKSLKSALEAYAGTEWTDE VELMCHKHASLYIKPDDYKIVGKFLLEAMGQVLGDALTPE NVITALGRRHYRANIKIVPLIGQQFVSAIEPKLGDMWSPD
UniRef90_UPI00036EF13D UniRef90_F0SL04 UniRef90_UPI0004025F08	S S L G R V H A S L G V T P K M Y G M V A T T L V A T M A D L A G P Q W T D V Q D L G E R H R E Y N V M P R H Y D L V G G A L L E T L G E Y L E E S W T P D M P I A H K H C G L Q V F P E H Y P L V G E N L L A A I S E V T G L D M D D P
UniRef90_V5YLS3 UniRef90_UPI00034B10F6 UniRef90_E2AF92 UniRef90_B3SDK5	A VELGKSHYRYNAPPKYYGYVGAAEFICAVRPILIKDKWTPEAYIQHVGATHANRIGERYTANRSLGRDHRKFNVVPQQYEVVGAALIESLRAFAGAEWSHEREMLHNMARSHKPRKTHFNEFAPILLETFEKKV DMSSKCRLGKRHSRLKVEPLPYELMGEALIESLRAFAGAEWSHEREMLHNMARSHKPRKTHFNEFAPILLETFEQREGTKFNQDAPVITRIVHKHVALGVLPEHYPIVGTNLLGAIKEVLQDAATDEKRLGKRHSRLKGVRPAHYEAFEAALREALRRTAGARWTDAEKRLGRDHRKLGVRPAHYEAFEAALREALRRTAGARWTDAEKRLGRDHRKLGVRPAHYEAFEAALREALRRTAGARWTDAEKRLGRDHRKLGVRPAHYEAFEAALREALRATAGARWTDAEKRLGRDHRKLGVRPAHYEAFEAALREALRATAGARWTDAEKRLGRDHRKLGVRPAHYEAFEAALREALRATAGARWTDAEKRLGRDHRKYGVVPEHYVAVGKSLKSALEAYAGTEWTDEVLAELGIAFNAERAGARWTDAEKRLARTAGARWTDAEKRLGRDHRKYGVVPEHYVAVGKSLKSALEAYAGTEWTDEVLAELGIAFNAERAGARWTDAEKRLARTAGARWTDAEKRLGRDHRKYGVVPEHYVAVGKSLKSALEAYAGTEWTDEVLAELGIAFNAERAGARWTDEVLAELGIAFNAERAGARWTDEVLAELGAAFNAERAGARWTDAAATAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
UniRef90_S4Y6K1 UniRef90_W9ADN1 UniRef90_UPI0003167A12	AKHVD YGVTDEMYPWVADALITAMSEVAAADWTPAPHVKQHKHRSLNIKPEQYPIVGKYLLLAIKEVLGDAATDDEQIAHKHRSLGVTADQYPIVGDNLLQALADVLGENATED
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UniRef90_UPI000470FF35 UniRef90_W8AB70 UniRef90_UPI0002EB6588 UniRef90_H1VJL2	K S L G S R H H F Y D L K S E F L D V I P E C I L H T I K K G C G N N W S N E A K H V D Y G V T D E M Y P W V A D A L I T A M S E V A A A A D W T P A P H V K Q H K H R S L N I K P E Q Y P I V G K Y L L L A I K E V L G D A A T D D E Q I A H K H R S L G V T A D Q Y P I V G D N L L Q A I A D V L G E N A T E D A G L G S R H V E Y G A L P E H Y P L V G N A L L A T F E E Y L G T A W T E E K G I K K I A E K K K V T K K A H N E V R S V L V D I L I E V C K L S D E S Q I V H K H V S L Q I Q P E Q Y P I V G S C L L R A I R E V L G A E A Q L G R D H R K Y G V V A E H Y K A V G N A L V A T V R H F A A E I W N E E E R I A E K H A G L N I L P E H Y P F V A E A L L G A I A H V L G D A A T P D E K Q I G R D H R R F G A V G A H Y P A A G A S L L A T L A H F L G P R W T D E K Q I G H K H R A L N I R P E H Y P I V G E H L L M A I K D V L G E A L T P D E R I A H K H A S L Y I R P E Q Y D I V G T Y L M K A I G T V L G E A L T P D E K L G R R H F K Y G V E P E H I D L F E E T F Y K T L A I G L G K K W N P E S R I G N K H A S L G I T P D Q Y P I V G E N L L A S I K E V L G D A A T D D P G K D G S I H I Q K G V L D P H F V V V K E A L L K T I K E A S G D K W S E E P A V K K I A V K H C G V A A A H Y P I V G C L L G A I K E V L G D A A T D D P V V R Q Q K H R A L N I K P E H Y P I V G K H L L L A I K D V L G E A A T D D P V V R Q Q K H R A L N I K P E H Y P I V G K H L L L A I K D V L G E A A T D D P V V R Q Q K H R A L N I K P E H Y P I V G K H L L L A I K D V L G E A A T D D
UniRef90_A9UWH7 UniRef90_W9YS10 UniRef90_P02232	EKLGRR HFKYGVEPEHIDLFEETFYKTLALGLGKKWNPE SRIGNKHA SLGITPDQYPIVGENFLASIKEVLGDAVDQP DGKDGSTHIQKGVLDPHFVVVVKEALLKTIKEASGDKWSEE
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UniRef90_X0RP83 UniRef90_I3ST11 UniRef90_L8EER3	PQVTQHKHRALQILPEHYPIVGKHLIGAIKEVLGEAATDDAGLGDVHVQKAVADPHFAVVKEALLKTVQAAVGDKWSEDGRLGRDHRKLGVRPVHFQAFEAALCEALRRTAGPRWADASLLHDLGRKHLTAKVEYLDLVSQMFLFAIESALKEKWNNS



UniRef90_C1E9M4 UniRef90_F2Q9X5 UniRef90_E9F690	1 10 20 30 40 WTERKRLVIQSSWAALGNDRMATGSKIFRKLFTGDTAVL LSAADKKAVADSWAKMSPSFQDAGERVFLKLLKKD STK TAEQIAIVKSTAPIIKEHGRAITDAFYTNLLSVHPELK
UniRef90_G1Y347 UniRef90_UPI0002898BF1 UniRef90_A8XBD5 UniRef90_L5JQP5 UniRef90_T2JNS3	LSPETLTLVKATVPLLAEHGPAITKAMYRRLFQDD HIR MTTEHKELVKATIPVLRENGVLLTKHFYQRMFTHNPELK FSPEEKDLIRRSWKVLDKNLNNTAYNIFEMIFNQSPDTK YRLFDLEPDLL MTPETLKLVKSTAPVVKEKGKEITERMYELAFNERPEYR
UniRef90_F5XTH5 UniRef90_W4HNQ7 UniRef90_UPI000472B50F UniRef90_V9D8T9 UniRef90_I1AQP5	E Q I T S V F Y P K M F A E N P E L L M T P T Q K S L V V G S F A R A Y A A K R N V G R R F Y L E L F A R A P E L R M L S A T V R E L V K S T A P V L K T H G E A L T R H F Y A R M F Q H N P E L K L T R E Q A H I I T S T V P V L A Q H G A Q I T T V F Y A N M I R D V P E L K M F E D A V K Q Q I L S T V G R L R M A N S G L T M D F Y A R L F R L A P E T R
UniRef90_D4W4H1 UniRef90_UPI00046F00C3 UniRef90_UPI0002F71C19 UniRef90_UPI0002198090	MLDQQIILEII KSIVPALKSHGI QIIIIIFYKNMFEQNPEVA LDDATRAIVKA <mark>C</mark> VPALEAHGLTI TQEMYKR <u>L</u> AT PEIR MTDEDKDLIRKSIENEKMDLDAFVPAFYAKFFSA <mark>C</mark> PDI MTFEQIELVQKAWGRVSALNNSYVQEVYEELFRLSPELR
UniRef90_N1PSX1 UniRef90_UPI000360A57F UniRef90_UPI00036D93B1 UniRef90_P04251 UniRef90_C4WSU4	MLDARALSLVRAGERSVL AAENGPAFYAQLFVDHPEFR LSDEHADMIRATLPLVGANLDSLTKTEYTRMEGAQPSLL ADQKDLLRLSWGVLSVDMEGTGLMLMANLFKTSSAAR LSPLOISOLKDSWSVLAODPSOLASALVIRLEKENPEYQ
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UniRef90_D6KG01 UniRef90_A1SYP4 UniRef90_H2ZPV2 UniRef90_UPI000316497E UniRef90_Q0VMN1	PADQQTI LRHLDKVTP FDELITHLYRALFARHPSLR MLTQTEINIIKDSAPALAQYGEDITGRFYQILFQSHPE L LDEEEIKLLRQSWSDLTAILRELGLLIFHRLFSDVPRIR LHPQDAALLRRSLDELAPVASEATGYFYSLLFVRNPELR MLTQSQLAVIKQTVPVLQENGETLTRHFYARMFRENPEVQ
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UniRef90_U6NW47 UniRef90_W8S4A2 UniRef90_J6EHJ0 UniRef90_A3AFU2 UniRef90 E1SAS4	VFTEKQEAL VKESWELLKQDIPKYSLHFFSQILEIAPAAK FTAEEKAQLVRSWKAIESQKQAIGCDIYEMIFNQCPEAR RATWALAAGDADRTARVFYSNLFRLDPTTK SKV DTALFCSQFYDNLIVMDPLLE FTEEQEALVLKSWAIMKNDSAHIGHRFFLKIFEVAPSAR MLDAHTIATVKSTLPAIAACGPKLTAHFYDRMLSQHPELK
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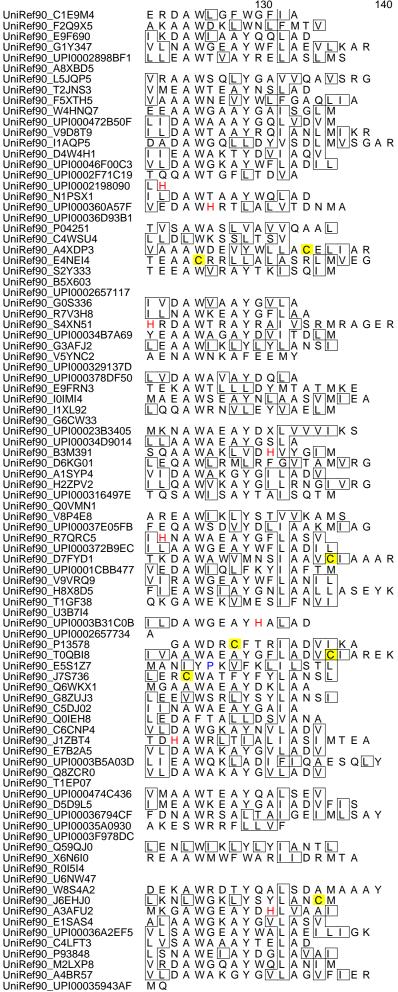
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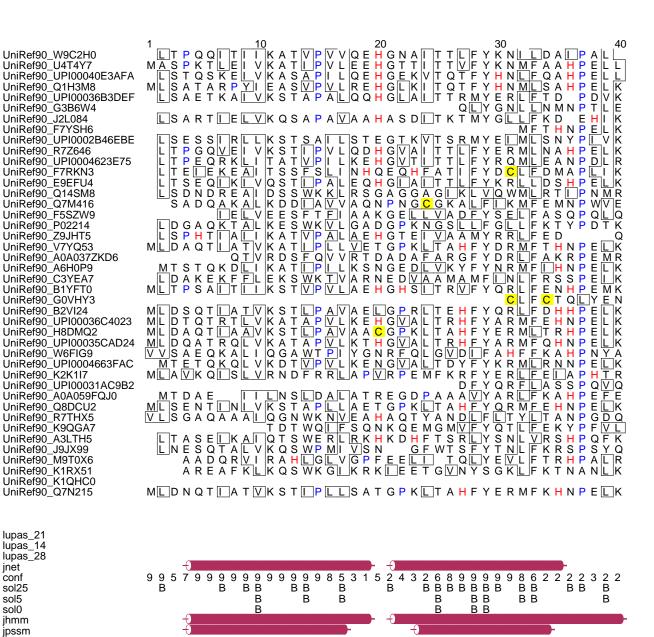
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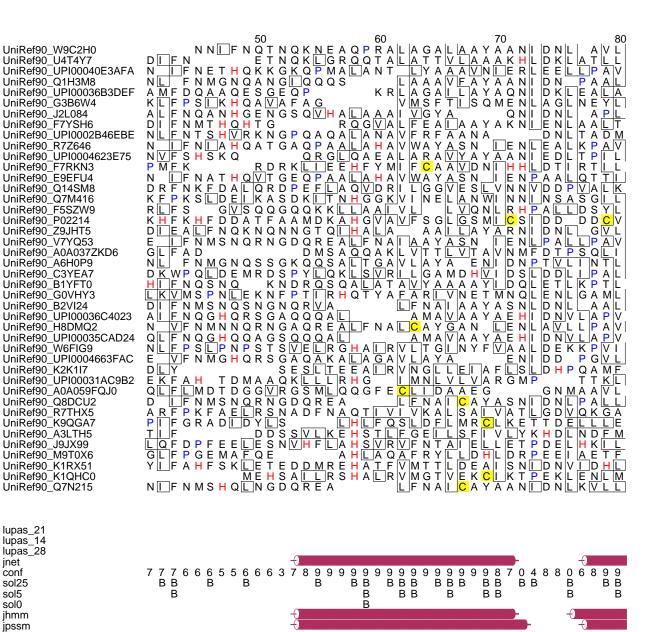
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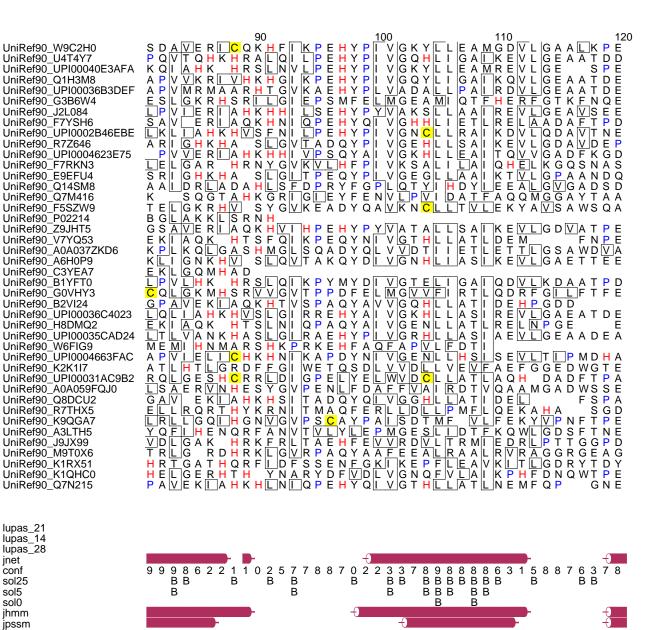
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