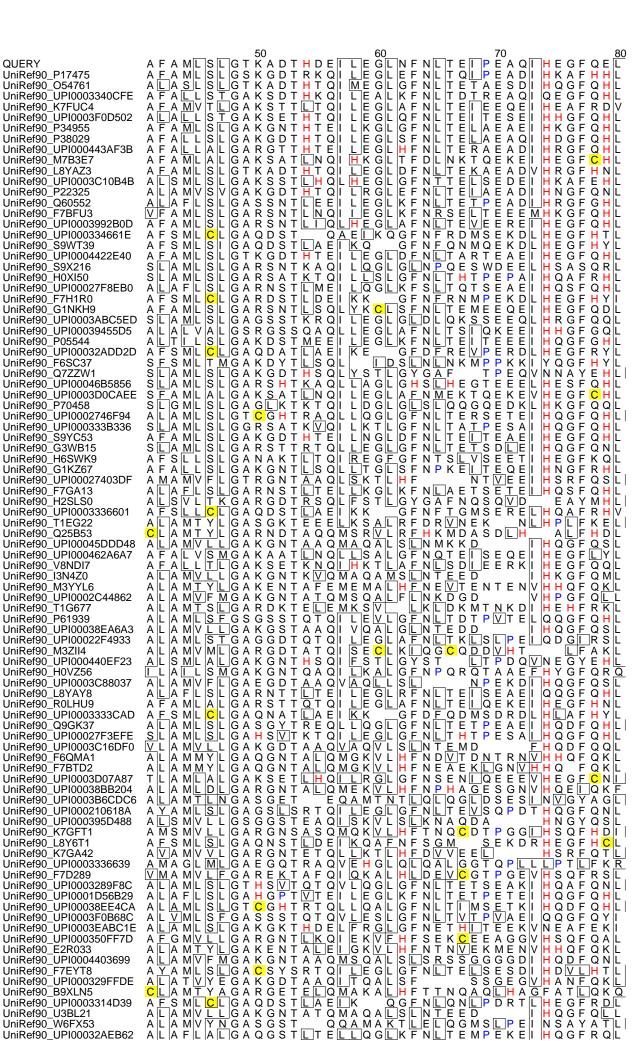
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UniRef90_UPI00027403DF UniRef90_F7GA13	HADINKS GAPYILKLANRLY GEKTYNFLSEFLDLT QK LLTLD QS SNELHLNMRNAMFVKE QLNLLDRFTEDARS	M Y G L Y G
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UniRef90_B9XLN5 UniRef90_UPl0003314D39 UniRef90_U3BL21	LNEAEK QQGIKLNVANALWAQQGHPFLPAFLQLAQQIQRLSQAHHGHNLDLENALFVDRKLQPQQKFLTNAKN	NYD LYG
UniRef90_U3BL21 UniRef90_W6FX53 UniRef90_UPI00032AEB62	L NELP RP S E T DL RI GGNAL F PH DK MKV L QK F L D D A K H L I NGLS H PS S K A QLINI GNAL F LEE S L K L L A K F L E D A K H L I QV I K P N S K Y F L RI A N R L F GE K T C D F L S T F K E S C L Q L T E L K K P T D A N E L NI A N K L Y GE K T C D F L S T F K E S C Q K L T E V N K P G S Q Y L L R T A N R L F GE K T C N F L N S F L K S C G K V D D L K K S N D K F L L H A N K L Y GE E K S N S F L N S F L K S C G E L O S L N F P K N E L E L Q M G N A Y F L G Q Q L K F L A K F L K D D V K T L T Q V H R P G A P F A L S I A N G L F G E E S C Q F L L S K F E E S C Q L Q L Q V H R P G A P F A L S I A N G L F G E E S C Q F L L S K F E E S C Q A L A L S I N K P A S Q F A L S I N A N G L F G E E S C Q T L L P K F V T Q T K T L H M L D H N Q D A M L L E A G S A L A L F L S E G L D D N V F L Q D A K A S L A S E I N K P A S Q F A L S V A N R L Y G E E E T C E F L L S K F E E S C Q L A L K L L A E L T S P R N G F E L L L G S A L A F L S E G L D D N V F L Q D A K A S L A A L N K P G T Q Y V L R T A N G L F G E E T C E F L L S K F E E S C Q C L A K S L A C L N K P G T Q Y V L R T A N G L F L E K L K P L K K F L D D A A K A S L A C L N K P S T Q Y V L R T A N G L F L E K L K P L K K F L D D A A K A S L A C L N K P S T Q Y V L R T A N G L F L E K L K P L K K F L D D A A K A S L A C L N K P S T Q Y V L R T A N G L F L D E K L K P L K K F L D D A A K A S L A C L N K P S T Q Y V L R T A N G L F L D E K L K R P L T R F L R G S C Q R N N C L A C L C C C C C C C C C C C C C C C	F Y K

QUERY UniRef90_P17475	130 140 150 160 SEAFTVNFGDTEEAKKQINDYVEKGTQGKIVDLVKELDRD SEAFSVNFADSEEAKKVINDYVEKGTQGKIVDLMKQLDED
UniRef90_054761 UniRef90_UPI0003340CFE UniRef90_K7FUC4	SEAFST D F T N T E E A K K QII N T Y V E K G T Q G K II V D L V K D L N R D SEAFS V N E K D S A A T K K I I N D Y V E K G T Q G K II V D I I K E I D E D
UniRef90_UPI0003F0D502 UniRef90_P34955 UniRef90_P38029	S F A F S II IN F R D A F F A K K K II IN D Y IV IF K G S H G K II V IF II V IK IV I ID P N
UniRef90_UPI000443AF3B UniRef90_M7B3E7 UniRef90_L8YAZ3	SEAFSINFRDTEEAKKQI NDYVEKGTQGKI VDL VKDL DKD AEAFSTDFKNLTEAKKQI NDYVEKGTQGKI VDL VKEL SAD SEVFSSDFNNSTNAVKQI NNYI EKKTHGKI VDL VQDL DPL SEAFSVNFKDTESAKEQI NKYVEKGTQGKI VDL VKEL NED AEVSNVDFQKSEETMQKI NAHVKNQTHGKI EDL I KDL DND
UniRef90_UPI0003C10B4B UniRef90_P22325 UniRef90_Q60552	A E A E P T N E S N P K E A E K OII IN A YIVIE K G T O G K II V IDII V IK DII IS A D
UniRef90_F7BFU3 UniRef90_UPI0003992B0D UniRef90_UPI000334661E	A E T F S T D F H N T E E A T K Q I N T Y A E N K T K G K I T D L L S S V D E K S E V I S S N F Q N S A D A T K E I N K Y I E I K T H G K I V D L L K S L D L D A D T I P A D F H N L E N A R Q Q I N D Y V S Q K T Q G M I D D L I N S I A P G
UniRef90_S9WT39 UniRef90_UPI0004422E40 UniRef90_S9X216	ADT V PTNFQNIL EDAQNRIINDY V SQKTHRKII NDIL V KNIIDPG SEAFS V NFRDAFFAKKKIINDY V KKGSOGKII V DIL V DDILDOD
UniRef90_H0Xl50 UniRef90_UPl00027F8EB0 UniRef90_F7H1R0	A E V F
UniRef90_G1NKH9 UniRef90_UPI0003ABC5ED UniRef90_UPI00039455D5	S E A V S M D F Q N S E
UniRef90_P05544 UniRef90_UPI00032ADD2D UniRef90_F6SC37	A E A F A D F K Q P N E A K K L N D Y V S N Q T Q G K A E L F S D L E E R A F T P T N F Q N S A S A R K H N D Y V S Q K T Q G R V S N V Q S D P G
UniRef90_Q7ZZW1 UniRef90_UPI00046B5856 UniRef90_UPI0003D0CAEE	S E G F T V D F K N P A E A T A E II N K F II A K K T Q D K II T D M V K D L D P D A D S F P T N F G D P A G A Q K Q II N D Y V A R Q T K G K II V D L I K N L D G T
UniRef90_P70458 UniRef90_UPI0002746F94 UniRef90_UPI000333B336	_ C
UniRef90_S9YC53 UniRef90_G3WB15 UniRef90_H6SWK9	SEAFSI_NFMDTEAAKKQI NDYVEKGTQGK V D LV QDL DKD V E V FSTDFKNSTRAKKQ VNDF V KNKTL GK V DQL FKEL DRE
UniRef90_G1KZ67 UniRef90_UPl00027403DF UniRef90_F7GA13	S E I L P T N F K K L K E A E Q Q I N N Y I E K K T N G K L K D V A K N L D P S A E L A S V D F Q N S E D T R K T I N Q W V K G Q T E G R X X X X X X X X X D S M A F A F A T D F Q D S F A A K K I I N N Y V F R G T R G K L K D I I K F L D Q Q
UniRef90_H2SLS0 UniRef90_UPI0003336601 UniRef90_T1EG22	A E V L D V D F K N P A E A A A E II N K Y II A L N T G D MI K D Q V K D L D P D
UniRef90_Q25B53 UniRef90_UPI00045DDD48 UniRef90_UPI000462A6A7	ΔΕΙΙΕΟΣΕΔΚΔΔΕΡΣΡΚ <mark>Η</mark> ΙΙΝΔWWWISKKΙΕGKIΙΟΕΙΙΙ <mark>Ρ</mark> ΙΝΙΙΝΣΟ
UniRef90_V8NDI7 UniRef90_I3N4Z0 UniRef90_M3YYL6	A E G F S T N F S V P R L V K K Q I N D Y V G N K T H G K I P R A I E H L D Q D S K L E R L S F A K A T K S R K H I N T W V S K E T K G K I P D L L P M I D K Q
UniRef90_UPI0002C44862 UniRef90_T1G677 UniRef90_P61939	A E L
UniRef90_UPI00038EA6A3 UniRef90_UPI00022F4933 UniRef90_M3ZII4	A E L E Q S F T K A P E R S R K H I N T W V S K K T E G K I Q Q L K D S L E E D G K V T R S N F R D M F A T T Q L N N Y V K F K T R G K I R D V S G T P D T T T T T T T T T
UniRef90_UPI000440EF23 UniRef90_H0VZ56 UniRef90_UPI0003C88037	GEĀFTŪDYSKPEŪAŪQEIINKYIIAKKTKDMIITDMIETLDPQ ADIIYTANETDPAAAOKOIINDYVAROTOGKIIADII IOSIIDST
UniRef90_L8YAY8 UniRef90_R0LHU9 UniRef90_UPI0003333CAD	A Q A F S T D F Q D P D A A Q A L I N D Y V K N K T Q G K I V D L I K G L E P E L E T L T T N F N N P T E A E K Q I N D Y I E K K T H G K I T N L V K E M D P Q A D T V T N F K S I D D T O R O I N S Y I S O K T O G R I R N I L R N I D P G
UniRef90_Q9GK37 UniRef90_UPI00027F3EFE UniRef90_UPI0003C16DF0	LEALAADFQDWAGASRQI NEYI KNKTQGKI VDLFLEQDSS AEVFSTDFSNPSI AQAKI N <mark>C</mark> HVKKKTQGKVVDI I QGL DL L AFI FQUSFAFAFPSRKQI NAWI SKKTFGKI PFI I PPI NAF
UniRef90_F6QMA1 UniRef90_F7BTD2 UniRef90_UPI0003D07A87	A S V E S A D F G N A E E S R K K I N S W V E S Q T N G K I K D F P D G S S S A S V E S A D F K N A E E N R K K I N S W V E S Q T N G K I K D V F P P H S E S F E I F P V N F R Y T K E A F E K I N R Y A N E K T N G K V O V N N D P I V O V N N D P I V O V N N D P I O V O V O V O O O O
UniRef90_UPI00038BB204 UniRef90_UPI0003B6CDC6 UniRef90_UPI000210618A	A T V E S L D F K N A E E S R K R I N S W V E S Q T N E K I K D L F P T I D Q N A E I S T L D F M D P N T L T T I N Q W N T N T M G K P K I L D K I N S D
UniRef90_UPI000395D488 UniRef90_K7GFT1 UniRef90_L8Y6T1	A GL E Q M D F L H A W D S R K Q I N V W V E E R T E G K I Q N L E G L L N S L A E L K P D F Q H A A E E L R N Q I N E W V E T F T K G K I K D L F G R L S G D T E T L S T N E Q D L E D S K K Q I N D Y V S Q K T H G K I N N I V K N I D P S
UniRef90_K7GA42 UniRef90_UPI0003336639 UniRef90_F7D289	A DL A T V D F H A S D E A R K Q I N Q W V G E Q T E G K I P K L E S S V N S M T E C V P T N F H N A S Q A R G I M N Y Y I N K A T Q G K I P K I E D G I N P F
UniRef90_UPI0003289F8C UniRef90_UPI0001D56B29 UniRef90_UPI00038EE4CA	S E A L T I D F Q D L A K A R R E I N E Y V K N K T Q G N T V D I F S K L D D P S E V L S I N E K D S E A A V K I L N E Y V K N K T H G K I E K I L N D I D V L
UniRef90_UPI0003F0B68C UniRef90_UPI0003EABC1E UniRef90_UPI000350FF7D	TEVLSTDFSNISAAKQEIINSHVEKQTKGKVVNLIQDLKPR SEGFTVDFTNKTAALHLINKYVEDKTHGKIPHFIDDLNQD AFIFADFKYTKFFARFKINFWVFNFTKGKIKDIFGSIDPS
UniRef90_E2R033 UniRef90_UPl0004403699 UniRef90_F7EYT8	A S V E S V D F N N A E E S R K K I N S W V E S Q T N E K I K D M F P K D S L N A E M F E D F L S P D S V D A E M F L S P D S V D A E M F L S P D S V D A E M F L S P D S V D A E M F L S P D S V D A E M F L S P D S V D A E M F L S P D S V D A E M F L S P D S V D A E M F L S P D S V D A E M F L S P D S V D A E M F L L
UniRef90_UPI000329FFDE UniRef90_B9XLN5 UniRef90_UPI0003314D39	A D P T V D F A P E A C R A A N S W V E Q Q T E N K K D L P G T V N A D A R V O V D E R T O S E S A R K E I N D W V S K K T N G K I E E I L P S I D A M
UniRef90_U3BL21 UniRef90_W6FX53 UniRef90_UPI00032AEB62	A E T I T T N F Q D L K A A R R E I N D Y V S Q K T R G N I N E L I R H I M P G A E L K Q S F I K A A E E S R K H I N T W V S E K T E G K I E E L V S S I D A E A K V T N L D F K D A A S A N T I N E W V K D S T R G K I N K I V E K I E P D A E A F D T N F Q D T A T A R K L I N D H V A E K T Q G K I V D L F D S L D K D

QUERY	170
UniRef90_P17475 UniRef90_O54761 UniRef90_UPI0003340CFE	T V F A L V N Y I F F K G K W K P F N P E H T R D A D F H V D K S T T V K V P S V L A L V N F I F F K G K W K K P F E E H T E D G G F H V D E T T T V T V P T V L A L V N F I F F R G K W K K P F E E H T E D G G F H V D E T T T V T V P T V L A L V N F I F F K G K W K K P F E E E H T E D G G F H V D E T T T V T V P T V L A L V N F I F F K G K W K K P F E E E H T E D G G F H V D E T T T V T V P T V L A L V N F I F F K G K W K K P F E E E H T E D G G F T T V T V P T V L A L V N F I F F K G K W K K P F E E E H T E D G G F T T V T T T T T T T
UniRef90_K7FUC4 UniRef90_UPI0003F0D502	T V MV L I N Y I Y F K A Y W E H P F S D M L T H E A D F F V D G K T S V K V N T V L A L V N Y I F F K G K W K K P F E V E N T Q N G D F H V D E A T T V T V P
UniRef90_P34955 UniRef90_P38029	T V F A L V N Y I S F K G K W E K P F E M K H T T E R D F H V D E Q T T V R V P T V L A L V N F I F F K G K W E K P F R A E L T T E Q D F H V D E Q T T V K V P S V L A L V N F I F F K G K W E K P F R A E L T T E Q D F H V D E Q T T V K V P S V L A L V N F I F F K G K W E K P F R A E L T T E Q D F H V D E Q T T V K V P S V L A L V N F I F F K G K W E K P F R A E L T T E Q D F H V D E Q T T V K V P S V L A L V N F I F F K G K W E K P F R A E L T T E Q D F T V K V P S V L A L V N F I F F K G K W E K P F R A E L T T E Q D F T V K V P S V L A L V N F I F F K G K W E K P F R A E L T T E Q D F T V K V P S V L A L V N F I F F K G K W E K P F R A E L T T E Q D F T T T T T T T T T
UniRef90_UPI000443AF3B UniRef90_M7B3E7 UniRef90_L8YAZ3	S V
UniRef90_UPI0003C10B4B UniRef90_P22325	TI MLL LNYI FFRGEWEKPFSPNATEEGDFFVNNDITVKVP TVLALVNYI FFRGKWEKPFDVKHTTQEDFHVDTSTTVKVP
UniRef90_Q60552 UniRef90_F7BFU3	TSMVLVNYI YFKGKWKAPFDPDFTYESDFYLDNKRSVKVP TILVLINYI YFYGEWEKHFEKEWTKDGIFHVDENTNVTVP
UniRef90_UPI0003992B0D UniRef90_UPI000334661E UniRef90 S9WT39	T MMV L V N C I F F K G Y W E K P F N N L A T R D D V F L L D T K N S V K V K T V M L L I N C I F F R A R W Q Q E F D P K E T K E E D F L M D G N K T A K V P T V M L L I N Y V F F R A R W Q H E F D P K S T K E E D F L L D R N K A V K V P
UniRef90_UPI0004422E40 UniRef90_S9X216	TVFALVNYI FFKGKWEKPFEEEHTTERDFHVDEETTVKVP EVMVMVNYI FFKAKWETSFDHKSTHEQDFHVTSETAVRVP
UniRef90_H0XI50 UniRef90_UPI00027F8EB0 UniRef90 F7H1R0	TAMVLVNHI FFKAKWEKPFHPVDTKKFPFLLGKGTTVPVP TMMVLVNYI FFKAKWKTPFDPSDTFESRFYFSKRNWVKVP TVMLLTNYI FFRGKWRHEFDPNRTKEEDFFLKKNSSVKVP
UniRef90_F7HTR0 UniRef90_G1NKH9 UniRef90_UPI0003ABC5ED	VMN LTNYVYFKGYWEEPFESYDTRDDDFFVDAEPVKVK AVMVMVNYIFFKAKWETSFNHKGTQEQDFYVTPETVVRVP
UniRef90_UPI00039455D5 UniRef90_P05544	TLMVTVNYI YFKAYWENPFNTKĞTHKDFFHVNVKTSVEVE TSMVLVNYLLFKGKWKVPFNPNDTFESEFYLDEKRSVKVP
UniRef90_UPI00032ADD2D UniRef90_F6SC37 UniRef00_C777W1	TVML LTNYI FFRARWQHEFDPKVTREEDFAVSKNKSVRVPTSLLLINYI YFQAEWEKKFNPKDTEEDEFFLIDGRSVKVPTAMMLINYVFFRGKWDKPFDATLTHKADFKVDENTKVQVD
UniRef90_Q7ZZW1 UniRef90_UPI00046B5856 UniRef90 UPI0003D0CAEE	QIMVINYI F F K A K WET G F N P Q N T R E Q D F H V A P G T V V Q V P T V M V L V N Y V F F K A H WE K P F D T F N T G E E D F F V D E K T T V R V N
UniRef90_P70458 UniRef90_UPI0002746F94	HVMI VVNYI FFKAKWQTAFSETNTHKMDFHVTPKRTTQVPALLVLVNYI FFKGTWTQPFDLASTREENFYVDETTVVKVP
UniRef90_UPI000333B336 UniRef90_S9YC53 UniRef90_G3WB15	TAMVLVNHI FFKANWTKPFNPADTHKFPFLVDKQTTVRVP TVFALVNYI FFDGKWEKPFDAERTTEEDFHVDAETTVKVP TMLI LINYI FFKGSWAKPFNPNDTKMQKFYTSKNISVDVL
UniRef90_H6SWK9 UniRef90_G1KZ67	AI EVEI NYI YERGKWENPENKERT QEGDEHVNENTI VKVP
UniRef90_UPI00027403DF UniRef90_F7GA13	TKL V L V N A I Y F K G N W Q N Q F L K E A T A N V P F R L N K K D T K T V K T M M V L V N Y I F F K A K W K T P F D L R E T F M S K F Y F G N L M W V K V P
UniRef90_H2SLS0 UniRef90_UPI0003336601 UniRef90_T1EG22	TAMVLINYI FFKGEWERPFNSNLTQKMDFNVDESTKVQVD TVMLLTNYI YFRARWQREFDPKETREEDFFLSSNKTVKVP TRLI LINAI YFKGDWNEKFNLKDTK <u>E</u> EDFFISKTNKVKVM
UniRef90_11EG22 UniRef90_Q25B53 UniRef90_UPI00045DDD48	TML VLVNAI YFKGSWERKFEESRTREGTFHVSRDEKVEVP TRLVLANAI YFKGRWNEEFNKTYTRKMPFKI NKKKQKPVQ
UniRef90_UPI000462A6A7 UniRef90_V8NDI7	T L M V L V N Y I Y L K A Y WE R P F S A A S T Q E D D F F V D E Q T K V K V P T V M V L V N Y I F F K A S W E K P F D T R L I R K K N F F V D A N T T V E I D A R L V L V N A I Y F K G T W N E P F V K S C T C E M P F K I N Q K E E R P V Q
UniRef90_I3N4Z0 UniRef90_M3YYL6 UniRef90_UPI0002C44862	ARLVLVNAI YFKGTWNEPFVKS <mark>CTC</mark> EMPFKI NQKEERPVQ TMLVLVNAI YFKGQWDNKFDKRNTVEKEFWLNKDTSKPVQ TKLVLVNAI YFKGKWK <u>E</u> QFDKNYTRRMPFKI NQNDKKTVQ
UniRef90_T1G677 UniRef90_P61939	TKL VL VNAI YFKGS WDLPFDES NTKEDKFYI SENHTTQI S
UniRef90_UPI00038EA6A3 UniRef90_UPI00022F4933	T ML V L V N A I Y F K G I WN E P F V K S C I C E MP F K I N Q K E E K P V Q T M L V L V N A I Y F K G Q W D N K F D K R N T V E K E F W L N K D T S K P V Q T K L V L V N A I Y F K G K W K E Q F D K N Y T R R M P F K I N Q N D K K T V Q T K L V L V N A I Y F K G S W D L P F D E S N T K E D K F Y I S E N H T T Q I S I I M I L V N Y I H F R A Q W A N P F R V S K T E E S N F S V D K S T T V Q V P C R L V L I N A V Y F K G R W E E Q F R E Y R T R T M P F K I S Q K E Q K P V Q M R M V L I N Y I F F R G L W K K P F P S S K V F N G N F Y V D K N T V V K V P T R L V L V N A I Y F K A A W D E Q F F K F D T A E D Q F R L N K N T T K P V Q T V M M L I N Y I Y F K G K W E P F K E R L T H K A D F N V D E N T K V S V D T V M M L I N Y I Y F K G K W E P F K E R L T H K A D F N V D E N T K V S V D T V M M L I N Y I Y F K G K W E P F K E R L T H K A D F N V D E N T K K K V S V D
UniRef90_M3ZII4 UniRef90_UPI000440EF23 UniRef90 H0VZ56	TRLVLVNAIVFKAAWDEQFFKFDTAEDQFRLNKNTTKPVQ TVMMLINYIVFKGKWEEPFKERLTHKADFNVDENTKVSVD DITVMVNYISFKAKWELGFNNKTTQNQDFYVTRKKKLQVP
UniRef90_UPI0003C88037 UniRef90_L8YAY8	T R L V L V N A I
UniRef90_R0LHU9 UniRef90_UPI0003333CAD	TVMLLATFVFFRGNWEKPFKPENTEEREFFVDAETLVKVP TVMILANYIFFRARWKYEFDPKETKQEDFFVEGKKPVKVP AMLILINYIFFKGTWTHSFPPESTREENFYVNETATVKVP
UniRef90_Q9GK37 UniRef90_UPI00027F3EFE UniRef90_UPI0003C16DF0	A ML
UniRef90_F6QMA1 UniRef90_F7BTD2	A
UniRef90_UPI0003D07A87 UniRef90_UPI00038BB204 UniRef90_UPI0003B6CDC6	TRIL VIS YII Y F K A G W E K Q F D R K Y I K Q R D F F V D K N I V I K V P TRIL V L V N A V Y F K G R W D K E F K K E W T T E A K F W Q N K N V S K S V Q
UniRef90_UPI0003210618A UniRef90_UPI000395D488	SRLVLVNAI YFKALWEKPFNPSMTLPQDFYVDEVTTVKVP
UniRef90_K7GFT1 UniRef90_L8Y6T1	TKLVLVNAVYFKGQWAEEFKKENTKETPFHI NETTSKPVQ TVLLLTNYI FFQARWKHEFDPKATKEEDFTI DGNKSVKVP
UniRef90_K7GA42 UniRef90_UPI0003336639 UniRef90 F7D289	TVLLLTNYI FFQARWKHEFDPKATKEEDFTI DGNKSVKVPTKLVLVNAI YFKGSWAEKFKETNTKEMQFRLNKKEKKPVQTKLI LVDYI LFKGKWLTPFDPVLTEADTFHLDKYRAVEVPTVLALANAI YFKGKWAMKFKPENTQERNFRTNKDLSRPVQ
UniRef90_UPI0003289F8C UniRef90_UPI0001D56B29	VLLILVNYI FFKGTWEHPFDPNSTREGDFHLNGTSTVKVP
UniRef90_UPI00038EE4CA UniRef90_UPI0003F0B68C	A I L I L I N Y I F F R G I WE H P F D P E S I R E K N F H V N E I I I I V I I V P T I I MV L V N Y II <mark>C</mark> F T A Q W A N P F D P S K T E E S S F F L D K T T T I V Q V P
UniRef90_UPI0003EABC1E UniRef90_UPI000350FF7D UniRef90 E2R033	MVMFLVSSIFFKGKWEIPFDPRDTSQDIFHVDDNTTVPIQ TVLVLVNAIYFKGKWAVEFKKEDTKETYFRLNKNERKTVQ HTIVLVNAVYFKGQWDTKFDTKNTVEKEFWLDKDTSKPVQ SVTCLVNAIYFKGNWENQFNKQHTKERPFKVSKNVEKPVQ
UniRef90_UPI0004403699 UniRef90_F7EYT8	SVTCL VNAI Y FKGNWENQFNKQHTKERPFKVSKNVEKPVQ LMMVL VNYI Y FKGRWEKPFLPSRTLRQNFYVDKNTTVRVS
UniRef90_UPI000329FFDE UniRef90_B9XLN5	IMMVL VNYI YFKGRWEKPFIPSRTIRQNFYVDKNTTVRVS TRLAL VNAVYFKGNWRNPFKEANTKEMPFEIRQNETVPVQ TKL V VNAI YFKGQWATQFNKSRTAPADFSI SSSQKVQAQ
UniRef90_UPI0003314D39 UniRef90_U3BL21 UniRef90_W6FX53	T L M L L T N C L F F R G R W L Q E F D P N A T K E E D F L L D G D Q T V K V S T R L V L V N A I Y F K G K W N E W F D E T Y T R E M P F K L N Q E E Q R P V Q Q V L F L I N A I Y F K G K W S N Q F D K S Q T A K H P F T S L S G E Q K Q H P
UniRef90_UPI00032AEB62	TVMV L VNFI LFKAHWENPFNPDFTYKSRFYLKKDKWVDVP

210 QUERY MMKRLGMFNIQH <mark>C</mark> KKLSSWVLLMKYLGNATAIFFLPI UniRef90_P17475 MMNRLGMFD <u>M</u> HY <mark>C</mark> STLSSWVLMMDYLGNATAIFLLPI	240
UniRef90_P17475	DEGK
UniRef90_O54761 MMNRMGMFEVHYCSTLASWVLQMDYLGNATAIFLLP	D D G K D E G K E Q G K
UniRef90_K/FUC4 MMIRDGRYNSYHDKELLSCQLVELLPYKGNAIALELLLP	DEGK DSGK DLGK
UniRef90_P38029 MMHRLSSFDVQYSDTLSSWVLLLDYAGNATAFFILPUniRef90_UP1000443AF3B MMNRLGMFQLHRCDTLSGWVLQMPYLGNATAMFLLP	D Q G K D Q G K
UniRef90_M7B3E7	
UniRef90_P22325 MMKREGKYKAFHCSTIQSWVLLLDYEGNVTALFLLP UniRef90_Q60552 MMHKDLTTPYFRDEELSSYVVEMRYRGNVSAMFILP	E E G K D K G R
UniRef90_F7BFU3	D E G K D E G A D E G K
UniRef90_S9WT39	D E G K D Q G K R E G G
UniRef90_H0X150 MMRQMEQFSFGVDPELDCFVLQMNYRGDNMAFFVLPDUNIRef90_UPI00027F8EB0 MMSLEDATPYLRDEEMSCTVLELPYTANASALFILP	G K G K D R D K
UniRef90_F7H1R0	D E G K D E G S S E G K
UniRef90_UPI00039455D5	N K G K D Q G K D E G K
UniRef90_F6SC37	D K G K N D G K
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Onikei90_vondi/ Linkkii Diffini je kidadili Saviv vieli je tika di <u>vitalie</u> ji lieji	DEGK
UniRef90_M3YYL6	PDDG PDDD PDTK
UniRef90_P61939 MMHQLEQYYHYVDMELN <mark>C</mark> TVLQMDYSENALALFVLP UniRef90_UPI00038EA6A3 MMFQKATFPLAHVSEVQAQVLELPYVGPELSMVLVL	K E G H P D E G
UniRef90_UPI00022F4933	P K D [] D E G K
UniRef90_H0VZ56	N Q G K P D H H D O D K
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UniRef90_UPI000210618A MMMQGPQHHWYHDRHFPCTVLRMDYKGDATALFILPUniRef90_UPI000395D488 MMFKEANFNMTYIGDFQTKILELPYVGNELSMIILLUniRef90_K7GFT1 MMNGRGKYNLATIEEYDCQVLELPYKDA <u>E</u> LSMYIL <u>L</u>	P D A [] P K D H
UniRef90 L8Y6T1	E E G K P D D [] E K G D
UniRef90_F7D289	P T D N E K G K
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UniRef90_F7EYT8 M MLQDREYHWYRDQHLPCSVLRMDYKGNATAFFILP UniRef90_UPI000329FFDE MMYQRKKLPYNYIADHDLQILELPYVGEELSMFILL UniRef90_B9XLN5 LMNLKSRFKFADRGNFQLLEMPYKGNELSMVVLLPK UniRef90_UPI0003314D39 MMHHGGMYEAGRDDQLPCSILEMPFQDNISAVFILP	FKES EVEG DEGK
UniRef90_U3BL21 MMYQEAFFMLAHVGEVGAQLLELPYAGEELSLLVLL UniRef90_W6FX53 MMSQTGEYRYYENDQFQAVSLPYGEDGKSFYIFLPKI	PDDG EESN DEDK

QUERY UniRef90_P17475 UniRef90_O54761 UniRef90_UPl0003340CFE UniRef90_K7FUC4 UniRef90_P34955 UniRef90_P34955 UniRef90_P38029 UniRef90_UPl000443AF3B UniRef90_UPl0003C10B4B UniRef90_UPl0003C10B4B UniRef90_P22325 UniRef90_P78FU3 UniRef90_UPl0003992B0D UniRef90_UPl0003992B0D UniRef90_UPl0003992B0D UniRef90_UPl0003992B0D UniRef90_UPl00039462E40 UniRef90_UPl0003442E40 UniRef90_UPl00027F8EB0 UniRef90_UPl00027F8EB0 UniRef90_UPl0003ABC5ED UniRef90_UPl0003CF48E2 UniRef90_UPl0003CF48E2 UniRef90_UPl0003CF6EED Un	20 L L L M L L L M L L L L L L L L L L L	
UniRef90_UPI00027F3EFE UniRef90_UPI0003C16DF0 UniRef90_F6QMA1	MRQLEQALSARTLRKWSHSLQKRWEVFIPKFSISASYNLVSSVEKHLTWEKFLTWTQPDSMKKTQVTVFKFKLEETYNMLKKLEDKLTTEKLIEWTQNMRESLVNLHLPRFKVEESYDLLQKLEGKLTAEKLIEWTQNMRESLVNLHLPRFKVEESYNLLQLQKLEGKLTAEKLIEWTQNMREKEVDLYLPRFKVEESYNLLNQKLEKGLSCQVLFKWRKLVSKRLVELYLPRFKVEESYNLLNQKLEKGLSCQVLFKWRKLVSKRLVELYLPRFKVEESYNLLNTFLNSLNSERWENWTTQFHEQEIFLSMPEFKLEYEKTLMDEVEEVLTAEKLIDWQNRYFYKKIKVRVPRFKLESTYNLLNTFLNSLNSERWENWTTQFHEQEIFLSMPEFKLEYEKTLMDEVEEVLTPEKLIDWINPEMMDSTKVRVPRFKLEENYDLLMTELEMKLTYEKLIDWINPEMMDSTKVRVPRFKLEENYDLLMTELEMKLTYEKLIDWINPEMMDSTKVRVPRFKLEENYDLLMTELEMKLTYEKLTSWISPDHMEKAEVKVPRFKLEENYDLLMEQVEKGLNTDTLARWRTSMSHRVVDDVSMPRLSFSATYNLNDDSEKQLTILEKLQEWTQPQNMHPLHVHLPKFKLEDSYDLMDKYEM	
UniRef90_UPI0001D56B29	MOD M V VIN A V D R D T I QR WS QS L I R G Q V D L SI P K V S I S R A Y D L M Q D L E A K L T P E T L T R WR N S L QP R Q I E Q V D S T V T D Q E Q V D E M D A V I A G L S R D T I QR W S D S L T Q G P V D L Y L P K L S I S G A Y D L M E W V E R S M S S K T L K K W N R L L Q K G W V D L F V P K V S I S G T Y D L V K D L E E S W C R E H L R K W H R S A K K Q R V S L S L P K F S L S T S Y S L H E D F E N T L T Y E K L A E W T D K M Q Q L T V K V Y L P Q F K M D E S Y V L L Q K L E D Q L T A E N L I E W T S S Q N M S N G V V L P R F K V E E S Y D M L R E I E E V L T A E L L T R W N N L L R K R K L K L Y F P K F S I S G S Y V L S D K L E K E L T Q E R L N E W T D R K N M E V H S L H L P K F K L E E D Y E L T Q K L E S M L H P K E L S D W L S Q A A S P E V N V F L P K F K L E E D Y E L T Q K L E S M L H P K E L S D W L S Q A A S P E V N V S L P R F S I S G T Y D L W C Y E A S L S L E T K R W R D S V K T T W A E L H L P K F K L Q E D Y D M L Q T F S E N L N F D N W E K W L S Q F R N R D G F I R L P R F K T D Y D V T L M Q E V E A S L S L E T K R W R D S V K T T W A E L H L P K F N I S S E F N L	

	290 300 310	320
QUERY UniRef90 P17475	K S V L G Q L G I T K V F S N G A D L S G V T E E A P L K L S K A V H K A V L K T L L S S L G I T R V F N N D A D L S G I T E D A P L K L S Q A V H K A V L	T T
UniRef90_O54761	K T L L S S L G I T R V F N N D A D L S G I T E D A P L K L S Q A V H K A V L K P V L T R L G I T N V F S Y K A D L S G I T E D D P L R V S Q A L H K A V L V E I M G K L G M T H V F S N A A N L S G I T E M A P L K V S K A V H K A M L	Τ̈́
UniRef90_UPI0003340CFE UniRef90_K7FUC4	VEI MGKLGMTHVFSNAANLSGITEMAPLKVSKAVHKAML EEI FKRMGVTAVFEDHADLSGITEDHNLKISKAVHKALL	T N
UniRef90_UPI0003F0D502	EEI FKRMGVTAVFEDHADLSGI TEDHNLKI SKAVHKALLKELLGKLGI TNVFTNSADLSGI TDTLPLKVSKVVHKALLKSVLGDVGI TEVFSDRADLSGI TKEQPLKVSKALHKAAL	Ĭ
UniRef90_P34955 UniRef90_P38029	K S V L G D V G I T E V F S D R A D L S G I T K E Q P L K V S K A L H K A A L T <u>S I L</u> P E L G I T K V F S R Q A D L S G I T E E V P L T V S K A L H K A V L	T T
UniRef90_UPI000443AF3B	T S L L P E L G I T K V F S R Q A D L S G I T E E V P L T V S K A L H K A V L K V T L G K L G I T R V F S N G A E L S G I T E D A P L K V S Q A V H K A V L	Т
UniRef90_M7B3E7 UniRef90 L8YAZ3	K E I F Q K M G V I D V F T D Q A D L S G I T E K S E L K V S K V I H K A V L K E V L S D M G I T K V F G S E A D L S G I T E D A P L K L S K A V H R A V L	N T
UniRef90_UPI0003C10B4B	KEVLSDMGITKVFGSEADLSGITEDAPLKLSKAVHRAVLKEILMEMGITDVFGDNSDPSGITESPNLKVSKAVHKAILKEVLGHLGITNVFSDAADLSGVTEDLPLKISKGLHKALL	Ē
UniRef90_P22325 UniRef90 Q60552	K E V L G H L G I T N V F S D A A D L S G V T E D P L K I S K G L H K A L L E G I L S Q L G I K E V F S S Q A D L S G I T G D K D L R V S K V V H K A V L V K E L S K L G V T D V F S D N S D L S G I V D V T P L K V S K A V H K V L V K S L F E K M G V T D V F S D N S D L S A V A G K S L L K V S K A I H K A M V K K M L S Y L G V S K V F E E H G D L T R I S P N H S L K V S E A V H K A T M K K M L S Y V G V T K I F E E H G D L T R I S P N H S L K V S E A V H Q A T L K T L L G K L G I T K V F S N G A D L S G I T E E V P L K L S K A V H K A V L E K V L P K L G I S D V F T S Q A D L A G I S N H S S I L V S E M V H K A V V E T I L P K M G I C N A F N K N A D F S G I V K R D F L Q V S K A T H K A V L E D L L P Q L G I E E V F T S K A D L S G I T G A R N L Q V S Q V T H K A V L E N K K T S Y M G V T K I F E E H G D L T K I S P R S I K V S Q V T H K A P L	T D
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UniRef90_UPI0003992B0D UniRef90_UPI000334661E	K S F E K M G V T E V F S D Q A D L S A V A G K S L K V S K A I H K A M V K K M L S Y L G V S K V F E E H G D L T R I S P N H S L K V S E A V H K A T M K K M L S Y V G V T K I F E E H G D L T R I S P Y E N L K V S E A V H Q A T L C T T T T T T T T T	_A LR
UniRef90_S9WT39 UniRef90_UPI0004422E40	K K M L S Y V G V T K I F E E H G D L T R I S P Y E N L K V S E A V H Q A T L K T L L G K L G I T K V F S N G A D L S G I T E E V P L K L S K A V H K A V L	K
UniRef90_S9X216	EKVLPKLGI SDVFTSQADLAGI SNHSSI LVSEMVHKAVV	Ė
UniRef90_H0XI50 UniRef90 UPI00027F8EB0	ETI LPKMGI CNAFNKNADESGI VKRDFLQVSKATHKAVL EDLLPQLGI EEVFTSKADLSGI TGARNLQVSQ <u>VT</u> HKA <u>V</u> L	D
UniRef90_F7H1R0	KKTLSYMGVTKLFEEHGDLTKISPSRSLKVSKAVHKAEL	K
UniRef90_G1NKH9 UniRef90_UPI0003ABC5ED	K K T L S Y M G V T K L F E E H G D L T K I S P S R S L K V S K A V H K A E L K R L F L K M G V T D M F S N N A D F S G V A K N T H L K V S K A I H K A K L D K V L P K L G I S N V F T S H A D L S G I S N H T N I Q V S E M V H K A V V	N E
UniRef90_UPI00039455D5	KRILMNLGVTEVFSNRADLSGITGNPDVKVSKATHKALLKEVLPELGIKKVFSQQADLSRITGTKDLYVSQVVHKAVLKKTLSRLGISKIFEEHGDLTRIVPHHSLKVGQAVHKAEL	K
UniRef90_P05544 UniRef90_UPI00032ADD2D	K E V L P E L G I K K V F S Q Q A D L S R I T G T K D L Y V S Q V V H K A V L K K T L S R L G I S K I F E E H G D L T R I V P H H S L K V G Q A V H K A E L	Q
UniRef90_F6SC37 UniRef90_Q7ZZW1	KKCLSDLGVTRIFDGSADLTRITPQKTLKVSQALHKAVLGDHLKDMGVVSAFGDSADFSAISEDTKLKVSKVTHKAVLEKVLPRLGISEVFTSHANLSGISGYANIQVSEMVHKAVV	K S
UniRef90_UPI00046B5856	EKVLPRLGI SEVFTSHANLSGI SGYANI QVSEMVHKAVV	Ē
UniRef90_UPI0003D0CAEE UniRef90_P70458	KEILIFROMGIV LIDIVIFT DOADILISGILITEES GILIKIVISKIV VI <mark>H</mark> KAILL	JN I E
UniRef90_UPI0002746F94	ENVLPKLGI QDVFTTHADLSGI TDHTNI KLSEMVHKSMM GDVLEEMGI ADLFTNQANFSRI TQDAQLKSSKVVHKAVL	\cap
UniRef90_UPI000333B336 UniRef90 S9YC53	ETIL PKMGI RDAFNKNADFAGI TKTGFL QVSKATHKAVL QTLL GKLGI TKVFSNGADL SGI VEEVPLKL SKAVHKAVL EDVL RDMGMT DVFT RQADL SGI TKEASVKL SEVL HKAVL KETL SKMGI VDVFS DQADL SGI TKEASVKL SEVL HKAVL EKTL RKLGI NDVFT NHANL TGI SGDRNL KVSKAVHKAVL EKTL RKLGI NDVFT NHANL TGI SGDRNL KVSKAI HKAYL	D T
UniRef90_G3WB15	EDVLRDMGMTDVFTRQADLSGITKEASVKLSEVLHKAVL	S
UniRef90_H6SWK9 UniRef90_G1KZ67	KETLSKMGI VDVFSDQADLSGI AEEANVKI SKAVHKAVLEKTLRKLGI NDVFTNHANLTGI SGDRNLKVSKAI HKAYL	S N
UniRef90_UPI00027403DF UniRef90_F7GA13	NTNLARLGVEDLFNDKADLSGMSGARDIFVSKIVHKSFV KDILPQLGIEEVFTSKADLSGITGARNLQVSQVVHKAVL	E
UniRef90_H2SLS0	NEVLQEMGVTNVFSDAADLSGISQEPKLKVSK <u>VS</u> HRAVL	D
UniRef90_UPI0003336601 UniRef90_T1EG22	K K T L S Q L G I S K I F E E H G D L T R I S P Y R S L K V G E A V H K A E L N D V L K Q L G I I D L F S D S R A D S K I D G T K E L Y V S K V I H K A F V	K
UniRef90_Q25B53	NEKLADMGMTDLFMADADLSGLTGLRDLHVSQVIHKAFV	Ē
UniRef90_UPI00045DDD48 UniRef90_UPI000462A6A7	ETIL PKMGI RDAFNKNADFAGI TKTGFLQVSKATHKAVL QTLLGKLGITKVFSNGADLSGI VEEVPLKLSKAVHKAVL EDVLRDMGMTDVFTRQADLSGI TKEASVKLSEVLHKAVL KETLSKMGI VDVFTRQADLSGI TKEASVKLSEVLHKAVL KETLSKMGI VDVFTNHANLTGISGINFNLKVSKAVHKAYL NTNLARLGVEDLFNDKADLSGI AEEANVKI SKAVHKAYL NTNLARLGVEDLFNDKADLSGI TGARNLKVSKAI HKAYL NTNLARLGVEDLFNDKADLSGI SQEPKLKVSKI VHKSFV KDI LPQLGI EEVFTSKADLSGI SQEPKLKVSKVSHRAVL NEVLQEMGVTNVFSDAADLSGI SQEPKLKVSKVSHRAVL NEVLQEMGVTNVFSDAADLSGI SQEPKLKVSKVVHKAFL NDVLKQLGI LDLFSDSKI DEELYVSKSKI VHKAFV NEKLADMGMT DLFMADADLSGI TGLRDLHVSQVI HKAFV ESVLRSLGVVDAFQQGKDFSAMSTKTDLSLSKFVHKKSFL KEVLQRLGVIDVFENNADLSGI TGKPLKVSKAI HKAFV ESVLRRSLGVVDAFQQGKDFSAMSTKTDLSLSKVVHKSFL KEVLQRLGVIDVFENNADLSGI TGKPLKVSKAI HKKSFL KEVLQRLGVIDVFENNADLSGI TGKPLKVSKAI HKKSFV ESFLRRLGMVDAFQRGQADSAMSTKTDLSCKVVHKSSVV KDTLRALGMVDAFRASS MNSTKTDLLSCKVVHKSSVV KDTLRALGMVDVFNDTSDLSGI TGKPLKVSKAI HKKSVV KDTLRALGMVDAFRASS MNSTKNDLLCVSKVI HKKSFV ESFLRRLGMSDAFEEKADFSGMSTEKNV VI SKVAHKKOFA MRAL MBLGLQDLFDSRADESGMSTEKNV VI SKVAHKKOFA MRAL MBLGLQDLFDSRADESGMSTEKNV VI SKVAHKKOFA MRAL MBLGLQDLFDSRADESGMLADSNLCVSKFVHKKSV V DEILLPDLGFRDLFTQRANFSNINQEENLQLSKVFHKAVL	E N
UniRef90_V8NDI7 UniRef90_I3N4Z0	K D L L Q R M G V T A V F N D T S D L S G I T G E C N L K V S K A I H K T M L K S V L Q R L G M V D A F Q R G Q A D S A M S T E T D L C L S K V V H K S V V	N
UniRef90_M3YYL6	K S	Ē
UniRef90_UPI0002C44862 UniRef90_T1G677	ESFLRRLGMSDAFEEKADFSGMSTEKNVYISKVAHKCFA MRALMELGLQDLFDSRADLSNMNGEKNLFVSSLLHKAFI	Ę
	GSTLQKMGMRDAFAESADFPGITEDSGLKLSYAFHKAVL	H
UniRef90_UPI00038EA6A3 UniRef90_UPI00022F4933	GSVLQGLGVVDAFHPGKADSGMLADSNL <mark>C</mark> VSKFVHKSVV DELLPDLGERDLETQRANESNLNQEENLQLSKVEHKATI	E
UniRef90_M3ZII4	NEVLSSMGMVDAFDQKCDFSGMSGNKELVLSKVSHKAFV	Ď
UniRef90_UPI000440EF23 UniRef90 H0VZ56	EKFFPKLIGI RDIFTSNANLISGI FKHSEVKLISRVVHKAVV	E
UniRef90_UPI0003C88037 UniRef90_L8YAY8	GSVLRRLGVVDAFQQGKADSALSAARDLCLSMFAHRSVV	E
UniRef90_R0LHU9	TNILSKMGI VDVFTDRADLSGITGAPELKVSKVVHKAAL	D
UniRef90_UPI0003333CAD UniRef90_Q9GK37	KKVLSGLGISKVFEEHGDLSRISSHRSLKVGEAIHKAEL	K O
UniRef90_UPI00027F3EFE	ETI LPKMĞI QNVFDENADFSĞLTKRDSLQLSKATHKAVL	Ď
UniRef90_UPI0003C16DF0 UniRef90_F6QMA1	<u>LIS V L P G L G V V E A F Q P D R D F S G M S P G R G L C </u> L S A <u>F T H K S V V K D T M S L G M L D A F S P Q D D F S G M T G S R G L V V S K L H K S F V </u>	E
UniRef90_F7BTD2	E E V L M S M G M V D A F T R E A N F L G I A E S K G L V L T K V V H K S F V	E
UniRef90_UPI0003D07A87 UniRef90_UPI00038BB204	KTMLSAMGMEDVFCPQKADSGMTGTQGLSVSKVVHKSFV	Ē
UniRef90_UPI0003B6CDC6 UniRef90_UPI000210618A	NNPLQSLGMEIAFAPGMADFSRMADKNLYIGEVLHKAVV	E
UniRef90_UPI000395D488	KPLLSSMGMPDAFDLGKDFSGLSPGNELVLSEVVHKSFV	Ē
UniRef90_K7GFT1 UniRef90_L8Y6T1	NKYLEALIGMT DIVIFRPNEADSGMAQQGDLISIVISQIVVIHKAYII KTVLIPELIGMT RAFQFHGFFNRIISPRGNII KVIGFFII IFSAFII	D
UniRef90_K7GA42	KSALTGLGLQDLEDCGKADSGMSGARNLELSQLVHKSEL	D
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UniRef90_UPI0003289F8C	G G V L R D L G L A D L F T S Q A S F S G L T Q E T Q L K V S K V L H K A A L	H
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UniRef90_UPI0003F0B68C UniRef90_UPI0003EABC1E	- 2 (2 (2)) - 1 (2) (2) (3) (4) (4) (4) (4) (4) (4) (4	1
UniRef90_UPI000350FF7D	K D L L S E M G M K D M F E R S A D L S G I S K D N V F V S K V D H K A T L N K T L Q K M G V M N V F D W G K A D S G L S M K D G L V M S K A L H K S S V K A T L K A L G M V D D A F N T K R N F S G M T G R Q D L V V S K V R H K S F V E G V L R T L G V T D A F E N A R D F S A M S S R R D L C L S R V A H K A F V D Q L L P R L G F M N L F S R W A D L S G I S K E R K L H L P T S F H K A T L N D P L T K L G M K N V F C A G R A D S G M N G E P G L F L S T M A H K A F V G Q P L A A M G M T D A F T A K A D F S G M D G T R D L F L S S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I K A K I L S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I F E F H G D L T R L S V I G L R K I K I G F A V H K A K I L S V I G L R K I F L S V I G L R K I F L S V I G L R K I S V I G L R K I S V I G L R K I S V I G L R K I S V I G L R K I S V I G L R K I S V I G L R K I S V I G L R K I S V I G L R K I S V I G L R K I S V I G L R K I S V I G L R K I S V I G L R K I S V I G L R K I S V I G L R K I S V I G L R K I S V I G L R K I S V I S V I G L R K I S V I S V I G L R K I S V I S V I G L R K I S V	Ē
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UniRef90_UPI00042AD952 UniRef90_Q91WP6 UniRef90_UPI00038EA0A7 UniRef90_UPI00038EA0A7 UniRef90_UPI00033E1083 UniRef90_UPI000332B1083 UniRef90_UPI000333D046 UniRef90_UPI00022F48BC UniRef90_UPI00022F48BC UniRef90_UPI0003833AA0 UniRef90_UPI0003833AA0 UniRef90_UPI0002654206 UniRef90_UPI0002654206 UniRef90_UPI0002654206 UniRef90_UPI0002654206 UniRef90_UPI0002654206 UniRef90_UPI0002654206 UniRef90_UPI0002654306 UniRef90_UPI0002654306	LTSTNTDFAFSLYKELALNNPDKNIVFSPFSIST LASINTDFAFSLYKELVLKNPDKNIVFSPFSIST LASINTDFAFSLYKELVLKNPDKNIVFSPLSISA MNTLSEANGAFAIRLLKLLGQNDPERNVFYSPLSISS RLASSNTDFALSLYKQLASRTPNKNVIFSPLSISI MCSLSAANAKFCLDFFRELNKRKRNENIFFSPLSLSA MDCLATSINQFALDLGKKLAESAEDKNVFFSPWGIST MDSLATSINQFALDLGKKLAESAEDKNVFFSPWSIST VNKTINSNNQFAFDLYLKLKDEYNESNIFFSPYSISV MHLFAEATTKFTLELYWQLRET EKNIFCSPTSIMA NATLYKMSSINADFAFNLYRRLTLETPDRNIFFSPVSISA MGSISAANAEFAFDVFKELKVYHANDNIFFSPLSLLY ELSKANSRFATTMYQHLANDNIFFSPLSLLY ELSKANSRFATTMYQHLANDNIFFSPLSLLY GLSSANTRFALHLYQTLQDEQRGTNLFFSPLSLLY MGSISAANTRFALHLYQTLQDEQRGTNLFFSPLSIST MGSISQAINELGLDLYNELNKNAADKNIFFSPLSIST
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UniRef90_UPI000398FA67 UniRef90_UPI0003957BD8 UniRef90_W5U8V8 UniRef90_UPI00022F3772 UniRef90_UPI00032B0AC4 UniRef90_E2R065 UniRef90_UPI0003F18DB3 UniRef90_M7BWC0 UniRef90_I3JLQ7 UniRef90_G1PX37 UniRef90_G3UB10 UniRef90_M3W9H4 UniRef90_UPI000237C0E0	QQLSEDTSNLGFSLLRKISMKHEG NVVFSPLGLSL TLYNLTEKNMNFGFNLYRKIALKHDN NVFFSPLSMSF NPRVWELSKANGRFALSLYKQLALRSPESNIFMSPISIST MNSLSEANTRFAYDLY QLFRKSTKENIFYSPLSITS MGSLSTTNVEFCLDVFKELNSNNVGENIFFSPLSLLY MDSLVKSINRFALDFSKTIAESAEGKNIFFSPWGIST EVLSATDRFGWDLFKSVNSDDHGENVVISSLSVAQ
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UniRef90_G3X1I8	ALSMLFLGARGNSAAQMGKVLHFSYGEISSNPIHSEFPVL AFAMTKLGA <mark>C</mark> NDTLKQLMEVFKFDTISEKTSDQIHFFFAN
UniRef90_H0UTW7	A F A M T K L G A
UniRef90_UPI0002654206 UniRef90_UPI000388AABF	GIL V L V L L IG A R G N T A T Q M Q E IV L IHIL IN R R <mark>C</mark> DIL V IG GII I <mark>H</mark> T E F Q T IL
UniRef90_Q5BIR5	
UniRef90_UPI0002C443B1	A L A M V F M G A K G N T A T Q I S Q A L S F N K V R G G G D V H Q G I Q S L
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UniRef90_G1KCM4	A F A MIL IA IL IG A R A N T IL ID QII L IR GIL ID F R P S E II IQ E K T II I <mark>H</mark> E S F <mark>H</mark> D IL
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UniRef90_Q8UVS1 UniRef90_UPI00036E3D6B	A SAMTKLGA CGNTLQQLRKVFRFDTISEKTSDQIHSFFAN ALDMLYNGAAGSTQQAMARALELEGLTLSELNSSNAF
UniRef90_UPI000333C396	
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UniRef90_UPI0003F17D47 UniRef90_V8P0N6	ALIGMILLIGARGSTAHQLIRKVIFYSEKDTESSEESHQQLIQKF
UniRef90_V6F6N6 UniRef90_G5E2E4	ALAMVILGARGNTAQQIISRILHF DAVKDLHSNFQTL ALGMILLGARGSTAHQLRKVFYSEKDTESSEESHQQLQKF LQPDLSSNCPSSSGHYHFKAPSVPNNVEVHQRFQEL AFSMLSLGAKSETHQNILEGLRLNQTEVPEKDLHEAMEHL
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UniRef90_B0CMB0	SILIA MIVI <mark>H</mark> ILIGA K GN T A A OMA OIVILIO E K R D O GN S G EILI <mark>H C</mark> N E O TIL
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UniRef90_L5KIF4 UniRef90_A1ZEC0	CLSMMYLGTRGTTAAQLAQVLQFNRDQDLKSYPRSDFQTL ALAMTYAGAKGSTAQQMAHTLHFSPKSLDKDYQFLNHHF
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UniRef90_K4GCJ9	ALALVSLGARSNTKEQL <mark>C</mark> KALGYTNTSLPQPLVHEAF KL
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120

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UniRef90_UPI0003F0A2B3 UniRef90_UPI000329005C UniRef90_H0VAC9 UniRef90_UPI0003D097A6	A N A E S V D F H A S E E S R E K I N S W V E S Q T H G K I K H L F P R L IS N S A L A F S A N F T D S A T A G R Q I S E F V G K Q T Y G R V T D S F Q E L G H D A F I F A V D F R N A F F T R K K I N T W V F K O T N G K I K F I F H A I G S D
UniRef90_B3RFC4 UniRef90_P05619 UniRef90_E0UDK5 UniRef90_W5N5S5	A EL LA SVD F Q Q P E D A R K EL I N E WV K G Q T E G K I D EL K G M V D N M
UniRef90_UPI000387159F UniRef90_A0A023FM49 UniRef90_UPI00038BF713 UniRef90_G3HBC5 UniRef90_UPI00042AD952	S DL MNI DF S K T E A S K T TI N D V V K MK T N E K V M GL I S QI D P L A K P Q A V N F K T A E Q A R A Q I N L WV E N E T E R K I Q D L L P S L N S R A T I E S V D F Q N N Y K V R H E V N A WV E E A T Q S K I K N L L P P V D S L S E L E Q S F A K D P E E S T K H I N T WV S K Q T E G K I P E L L S S V N S M A E A T L A D F Q Q R H K T I K L I N D Y V S K Q T Q G K I K E L I S D L D K E A E A S V A D F Q Q P D E A K K L I N D Y V N K Q T Q G K I K E L I S D L D E N
UniRef90_Q91WP6 UniRef90_UPl00038EA0A7 UniRef90_U6DBM3 UniRef90_H0YV20	AKVK QPFAKAPERS RKHI NA WVSKKTEGKI HKLKNSI EAD SEAFSTNEGESAAAKKI INDYVKNOT QGRI VDI VKDI DI N
UniRef90_UPI00032B1083 UniRef90_UPI000333D046 UniRef90_X0ZTF9 UniRef90_UPI00022F48BC	A E P Q S V N F V E S F Q I R N E I N S W V E R Q T E G K I P N L L P E V D S T A E P R S V N F V E P D Q V R K E I N S W V E N Q T E G K I L D L L P E V D S A G K V T N V D F L N A T D A R V L I N K W V E E Q T N N K I K D L L P Q L D A L A N V E S D F V H A A E E S Q K K I N S W V E S Q T N G K I K D L F P H L S S N
UniRef90_H0XN71 UniRef90_UPI0003833AA0 UniRef90_G3X1I8 UniRef90_H0UTW7	T D V F S T D F S N V S A A K Q E I N S Y M E K K T K E K V V G L T Q D L K N S T G L E M V N F K T S D R A R Q L I N S W V G N Q T N G Q I Q D F P H S V D P D S E L Q T D F K H A P E E V R Q T I N A W V E K T N E G K I K N L F S K I D T S A K L Q P D F K A H A E Q S R Q L I N D W V A N K T E G R I T N V I P N I D E F
UniRef90_UPI0002654206 UniRef90_UPI000388AABF UniRef90_Q5BIR5 UniRef90_UPI0002C443B1	ATI EAVDNFAAPLATQSI NDWVSKQTEDKII TNLPGI LNDL AMLQTVDFESATEARQTI NSWVESKTQGKI RELFGLI DPT
UniRef90_Q9Z2G2 UniRef90_UPl000305607D UniRef90_G1KCM4 UniRef90_UPl0002C572D4	LEALAADFKDGAEASRQI NEYIKNKTQGKI VDFLSKLDSS
UniRef90_Q8UVS1 UniRef90_UPI00036E3D6B UniRef90_UPI00033C396 UniRef90_Q5I0S8 UniRef90_UPI0003F17D47	A QIVIK NILIN F Q Q P A A P E I I IN R WV Y E N I R G K I N K I V E Q L K P E A E M E E L D F R H T E E S R H I IN S WV A K K T E D K I K E V L S S L A P S
UniRef90_V8P0N6 UniRef90_G5E2E4 UniRef90_Q3M416 UniRef90_C3PT36	T GLEKN F Q Q A S E D S R R H I N A WV E E K T S G K I Q D L P G L I D S S A E A I T A N F N N P E D A K K Q I N D F V K N K T K G K I D E L I T N L S N E A R V T N L D F K N V A A V N T I N S WV E K N T K G K I D K I V D N I E P N S F P Q S V N F E N S D Q V R K E I N S WV E K O T D G K I L N I L P E V S S T
UniRef90_UPI000334672C UniRef90_UPI000398FA67 UniRef90_UPI0003957BD8 UniRef90_W5U8V8	MEFIKUDFENLT QAKLFI NQNI NKMTKGKI PGLFEELDHH MEFIKUDFENLT QAKLFI NQNI NKMTKGKI PGLFEELDHH AKI I PNEKEKPEPSRORI NEWI SEKTNARI NAPKGSI EEN
UniRef90_UPI00022F3772 UniRef90_UPI00032B0AC4 UniRef90_E2R065 UniRef90_UPI0003F18DB3	SETEQSFVKAPEESREHI NMWVSKQTEGKI PELLSSI NSN ANAESVDFNDAEENEKRI NSWVESQTNGKI KNLFPDL DSS TTIESI DFRETEKSRQQI NFWVESQSQGKI KELFDKI DST TECVTMNFRNASQAKGLMNHYI NKETQGKI PKLFDEVNPD MEFLNVDFYNSTHAKNI I NQNI NKKTKGKI PKLFEEFDQH
UniRef90_M7BWC0 UniRef90_I3JLQ7 UniRef90_G1PX37 UniRef90_G3UB10 UniRef90_M3W9H4	A S V E S A D F V N A T E T R K M I N S W V E S Q T N E K I K D L F P K L N R S A Q L Q T D F E H A P E E T R K T I N A W V E S K T Q G K I W N L K G T I D P S
UniRef90_UPI000237C0E0 UniRef90_B0CMB0 UniRef90_D3ZKA0 UniRef90_L5KIF4	A A F R G V D F S D K E G A K E L I N S W V N E K T R G K I P A I I D E I S D Q A E P Q S V N F V E S D Q L R K E I N S W V E R Q T E G K I Q N L L S D V D S T A S L E P V D F V N A D E S R K K I N S W V E S Q T E G K I D L F P E L N S S
UniRef90_A1ZEC0 UniRef90_B7QJF1 UniRef90_UPI0004419916 UniRef90_W5M2R7	VEPQSVNFLESDQIRKEI NAWVESQTEGKI INL I PDVDSAAKLGKLDFKNPKKSRIVI NQWVAKKTQDKI KNL I PMISGNAYI EADFQKRGQEAIQKI NAWVSNRTHGKVQSLEDPPDFSGDIYLENFKNTAETQQHINSYI ERKTHGKI SKLVNGI DPIAEPQSVDFRDPAFLLKANQRI SKLTKGLI KEGLKNVNPDLKPKNLDFKNNEEARMQI NSWI GNEMGGVI KDLLSPI I SSAEVQALDFFSPS ATATII NGWCARKTNNKI NEI VKRVDPT
UniRef90_L9L815 UniRef90_W2CNM8 UniRef90_F6ZLR1 UniRef90_B0CMA8	SEAFPTDFKDPAAAEKLINDYVEKKTEGKIVHLVGGL <mark>C</mark> KN AKVERVDFTNHEDTKHKIINKWVENETHGKIKNMIGDISSS
UniRef90_UPI00032B27C3 UniRef90_R7ZXZ0 UniRef90_X5DY52 UniRef90_H0VM65 UniRef90_F6W754	A S L E P V D F L N P D E T R K K I N S W V E S Q T N E R I K D F P D L S S A A E I A P L D M L N P N S V N I I N N W I A Q Q T N N L I K D M L D N I P A N A E V E A L N F S S P Q A V N I I N D W V A D K T H D K I L D N I S G D A M V S V D F K N D T E S T R K T I N K W V K E K T E G K I P E L P G V I D D M A S P E S M D F S Q P E E S R E K I N A W V E D Q T N E K I K E L F P T I D A S A D L A T V D F L Q A C D A R K E I N Q W V E E K T E G K I P D L L S E V D S M
UniRef90_H0YV59 UniRef90_Q63556 UniRef90_V9L272 UniRef90_G3WAA8	T D L E P V D F L K A T E A R K Q L N S W L E T K T N G K L Q N L L D E L D D L
UniRef90_F8W5C3 UniRef90_UPI000359C8DA UniRef90_UPI00042C122B UniRef90_UPI0003334746	SDGFTVDF SVKETVDQI NKYVEEKTHGKI SQAVDNLEKD AELEPNFKYTEEEVREKI NFWVENETKGKI KDLEGFI DPS AEPQAI NFRNATQARKEI NSWVESQTEEKI HNL LPRVDGN ASI FPVDFI NADESRKKI NSWVESQTNEKI KDI FPVGSEN
UniRef90_Q6DG30 UniRef90_K4GCJ9 UniRef90_UPl00044391B1 UniRef90_M7BHH1	ADLQAVDFILASEQSRQLINKWVEEQTENKIRDLPGMVTGM ADTFNVDFRATENAKQQINAYVRNKTHGKIEEIFKTINPD ARLQPDFEQSPEEARKLINAWVESKTNGKITNLFGKIEPS AELEQDFSRAAEDSRKHINAWVEEKTEGKIQNLQGVVDSM
UniRef90_UPI0001D38C36 UniRef90_UPI000334411A UniRef90_J9P6C3 UniRef90_Q8K3K4 UniRef90_G1KR22	TEVFSTDFSNVSAATQEINSHVEMQTKGNVVGLTQDLKPNARLQTVDFKQATETRKTINAWVASKTNGKIRNLFAKIDPSARLQPFAKAAEPSRKHINAWVSEKTEGKIQELLPSIDAKAEPQSVNFVEASQIRKEINSWVGSQTGDKIPNLLPDVDNKAKLWPNFKEKPESSRATINNWVANKTENLIKEVIPEIDQN

UniRef90_H2UBY8 UniRef90_UP10003F07447	170 180 190 200 T R L V L V N A I Y F K G N W N E Q F K E N A T R D A T F H I S K N S S K P V K T M I V L V N F I Y F K A V WE K A F V Q S K T T T Q N F H V D E H T T V Q V P	
UniRef90_UPI00042AE06F UniRef90_UPI0003F0A2B3 UniRef90_UPI000329005C UniRef90_H0VAC9	T MI V L V N F I Y F K A V W E K A F V Q S K T T T Q N F H V D E H T T V Q V P T R L V L V N A L Y F K G K W Q K E F D K E R T R E M P F K I N Q R E K R P V Q T K L V L V N A I Y F K G K W Q K L F P K D E T K E A Q F H L N K K D K K T V K T R M V L A N A L Y F K G K W D K E F K K E H T E E A E F W L N K D T S K P V Q T L L V L L N Y I F F K A K W K H P F D R Y Q T G K Q T F S A D D G T S L R V P	
UniRef90_UPI0003D097A6 UniRef90_B3RFC4 UniRef90_P05619		
UniRef90_E0UDK5 UniRef90_W5N5S5 UniRef90_UPI000387159F	T QL V L V N T I L F Q G K WE L P F N S S F T E E A R F Y V D K Y N L V K V P T V L V L V N A I Y F R G N WE K K F L E K N T S E M P F R L S K T R T K P V Q	
UniRef90_A0A023FM49 UniRef90_UPI00038BF713 UniRef90_G3HBC5 UniRef90_UPI00042AD952	TTLILVNAI YFKGLWSSQFNPNSTHRSDFHLDSKTKKEVD TKLVLVNALYFKGKWDQTFNKGDTVEVPFKINKKEERPVQ TVMVLVNYI YFKGKWKTPFDPQDTFQSEFHLDKKRTVMVP TIMVLMNYI YFKGKWKSPFEPHFTFESEFYLDKKRTVKVP	
UniRef90_Q91WP6 UniRef90_UPI00038EA0A7 UniRef90_U6DBM3	TLMVLVNYI YFKAKWKVPFDPLDTFKSEFYAGKRRPVI VPCRLVLINAVYFKGRWDKQFRESLTRTMPFKI SQKEQRPVQTAMVLVNYI FLKAKWKTPFDPRDTFKSKFYVSKSRSVKVP	
UniRef90_H0YV20 UniRef90_UPI00032B1083 UniRef90_UPI000333D046 UniRef90_X0ZTF9	T K L V L V N A L Y F K G K W D Q T F N K G D T V E V P F K L N K K E E R P V Q T V M V L V N Y L Y F K G K W C P F D P L D T F K S E F H L D K K R T V M V P T L M V L M N Y L Y F K G K W K S P F E P H F T F E S E F Y L D K K R T V K V P T L M V L V N Y L Y F K G K W K S P F E P H F T F E S E F Y L D K K R T V K V P T L M V L V N Y L Y F K G K W K S P F E P H F T F E S E F Y L D K K R T V K V P T L M V L V N Y L Y F K G K W K S P F E P H F T F E S E F Y L D K K R T V K V P T L M V L V N Y L Y F K G R W D K Q F R E S L T R T M P F K L S Q K E Q R P V Q T A M V L V N Y L F L K A K W K T P F D P R D T F K S K F Y V S K S R S V K V P T V L V L V N A L Y F K G K W A V E F K K E D T K E A F F H L N K N E R R K V Q T R M V L V N A L Y F K G T W E H Q F S V K N T T E R P F R L N K A T S K P V Q T R M V L V N A L Y F K G V W E Y Q F P V E N T T E R P F R L N K T T S K P V Q T R L V L T N A L Y F K G L W V K Q F D K E D T L E E D F R L S P N K T L K V P	
UniRef90_UPI00022F48BC UniRef90_H0XN71 UniRef90_UPI0003833AA0	TIL V L VN A V Y F K G Q W D H K F D E K H T V E E K F W L N K N S S K P V Q P M C W M P Y F C L E E A Q W A K P F D S S K T E D S S F L V D K T T T V Q V P T L L V I V N A I Y F K G L W K T A F K Q E D T R E F P F S M T K Q E S K P V Q	
UniRef90_G3X118 UniRef90_H0UTW7 UniRef90_UPI0002654206 UniRef90_UPI000388AABF	SVMVLVNAI YFKGQWQNKFQEEETLKMPFKLREGKSVPVQ TVLVLVNTI YFKGLWKSKFSPDSTKQEPFHKANKEKCLVS TRLVLVNAI YFKGNWESKFRVENTTQETFKFDERKKVPVS AVLVLVNAI YFKATWEYKFEEKHTMLRDFRLNQNESKSVQ	
UniRef90_Q5BIR5 UniRef90_UPI0002C443B1 UniRef90_Q9Z2G2	TKL V L V N A I Y F K G K W N E Q F D R K H I R G M P F K I N Q E K K I V Q T K L I L V S A I Y F K G N W H K H F N K E H T K E L P F K I S K T E E K P V Q T II M V L V N A V Y F K G Q W N H K F D E K H T T E E K F W L N K N T S K P V Q	
UniRef90_UPI000305607D UniRef90_G1KCM4 UniRef90_UPI0002C572D4 UniRef90_Q8UVS1	QVLFILNALYFKGRWTNEFDKQQTAQQPFYLTSGNQKQHPTEILLISYMYLKAKWKKPFNPKYTEMQNFYIDSYNVVKVPAMLILVNYIFFKGTWEHPFNPESTKEENFYVNKTTVVRVPTVLVLVLVNTIYFKGHWKSEFPAQNTKRDKFYRSDGQLGSTP	
UniRef90_UPI000336E3D6B UniRef90_UPI000333C396 UniRef90_Q5I0S8	EIV LIFICI NAI Y F QGK WI HEFDKKQISPYPFYLKSGQQKKYP TVLVLVNAI Y FKGNWDRQFDKAKTHERPFKI SKNEEKPVQ TKLVLVNAI Y FKGDWAKKFKAEHTKDMPFQLNKKEGKTVK	
UniRef90_UPI0003F17D47 UniRef90_V8P0N6 UniRef90_G5E2E4 UniRef90_Q3M416	TRLILVNTV CFQGKWDSEFKKENTKEEKFWLNKSTSKSVLTKLVLVNAI YFKGSWADKFYKDHTLKKPFW VKLLLLNYI FLDAQWETPFNPHMTHSSQFFIDENSTVEVK QALFLINAI YFNGKWSSAF <u>DK</u> SQTTPQTFY <u>T</u> ASGQQKQHP	
UniRef90_C3PT36 UniRef90_UPI000334672C UniRef90_UPI000398FA67	TKMILVNALYFKGNWEHQFLVKDTTEKPFRINKTTSKPVQ TKLMLVDYILFQGKWLTPFDPTSTEEDTFYLDKYEEVKVP TVLVLVNYIYFKATWENSFDPLRTYEDDFFVNTNASVRVN	
UniRef90_UPI0003957BD8 UniRef90_W5U8V8 UniRef90_UPI00022F3772 UniRef90_UPI00032B0AC4	NKL V L V D Y I VF K G K WVY P F N S K F T E M E T F H I N K Y R S V Q V P T V L V L V N T I Y F K G Q W K H K F N R Q N T R E S K F H V S K T Q S C L V Q T R M V L V N A L Y F K G R W Q Q S F T K T L T K E M P F K I N Q K E K Q P V Q T I L V L V N A I Y F K A E W D Q K F Y T N K T K E A E F W L T K D T S K P V R T V L V L V N A V Y F K A K W E K Y F D S K N T V D A P F S L N E N E K K T V K	
UniRef90_E2R065 UniRef90_UPI0003F18DB3 UniRef90_M7BWC0	TKLILVDYILLKGRWLTPFDPLFTEMDTFHLDKYKTVKVP	
UniRef90_I3JLQ7 UniRef90_G1PX37 UniRef90_G3UB10 UniRef90_M3W9H4	TVL V L V N T I Y F K G Q W K N K F D K D Q V F V T D F H V S A S H T C S V N T I L V L V N A I Y F K G Q W N E K F D P K G T K Q G Q F W L N K D T S K V V Q S V M V L V N A I Y F K G Q W Q N K F Q E R K T I K T P F Q L S E G K S V I V E T R M V L V N A L Y F K G I W E H Q F L V Q N T T E K P F R I N K S V S K P V Q	
UniRef90_UPI000237C0E0 UniRef90_B0CMB0 UniRef90_D3ZKA0	Q Y M F L V N A V Y F L G K W Q Y Q F K E S A T K D E S F K L S D G T T V Q V P T R M V L V N A L Y F K G W E H Q F L V Q H T T E K P F R N E T T S K P V Q T K L V L N T V Y F K G W D R E F K K E H T K E E D F W L N K N S K P V Q	
UniRef90_L5KIF4 UniRef90_A1ZEC0 UniRef90_B7QJF1 UniRef90_UPI0004419916	TRMVLVNALIYFKGTWEQQFLVQDTKEKPFRIINKNTSKPVQ RMVLTNAIIYFQGKWKLRFDKSNTRKMNFIIAHKIITYPDIK TRIIIINAIIYYKGTWIYFFDKSTKPRSFYNGGVFKVQVP	
UniRef90_W5M2R7 UniRef90_L9L815 UniRef90_W2CNM8	TVLMLLNYLYFKGT WENKFPAKQTSYRSFRLSERETVRVP	
UniRef90_F6ZLR1 UniRef90_B0CMA8 UniRef90_UPI00032B27C3 UniRef90_R7ZXZ0	T F M Y L I N A V Y F K G A W T T R F E K K N T R S A D F H R A D G S T Q Q V Q T M M V L V N Y I L L K A K W K T P F D P G D T Y E S A F H V S R S R S V Q V P A V M V L V N A V Y F K G K W Q S A F S K S E T V N C H F R S P K C S G K A V A T K L V L I N T V Y F K G Q W D R E F K K E D T K E E E F W L N K S T S K T V L A V M Y L V N A I Y F K G D W T Y N F P K A N T K K E R F F P Q P G R E V M V D	
UniRef90_X5DY52 UniRef90_H0VM65 UniRef90_F6W754	HVMFLLNAI YFKGI WQSEFDEDYTEDLPFYLENGSTAQVP SKMVLVNAI YFKGMWREKFTKDDTTDMLFKLSKKDTKTVK TILVLVNAI YFKGKWAMEFKRENTKKALFRTNKDTSTSVQ	
UniRef90_H0YV59 UniRef90_Q63556 UniRef90_V9L272 UniRef90_G3WAA8	T S MV L V N A I Y F K A N WA E K F Q E A D I I D A P F R L N K N E K R I V K T S MV L V N I L L F R G K W K V P F D P D Y T F E S E F Y V D E K R S V K V S A K E I L V D Y L L F O G K W S A F D P L L T E V E T F H L D K Y R T T K V P	
UniRef90_F8W5C3 UniRef90_UPI000359C8DA UniRef90_UPI00042C122B	TLMFLLTYI YFKGKWDKPFKPETTSESTFYI DDKTTVPVQ TVLVLVNAI YFKGKWAVEFKKEDTKEMYFHLNKNERRKVQ TTILLVNAI YFKGKWFKRFI NFNTSFNPFRI SKTKTKPVQ	
UniRef90_UPI0003334746 UniRef90_Q6DG30 UniRef90_K4GCJ9	GSIKL VIN I IVY FK GQ WDREF QKEN I REEEF WLINKS I SKPVQ TRLAL VIN AII Y FK GN WLQRFN A QDTKE MPFKI N QKEN RPVQ SIV L V I VIN Y II FFK GS WLIK PFDPRN TRTDDFY VDASTTIVK VQ	
UniRef90_UPI00044391B1 UniRef90_M7BHH1 UniRef90_UPI0001D38C36 UniRef90_UPI000334411A	TRLVLVNAI YFKGNWETQFNKD <mark>C</mark> TVERQFKI NKNETKPVQ AI MI I VNYI HEKVQWANPEDPSKTEDSSELIDKTTTVVVP	
UniRef90_J9P6C3 UniRef90_Q8K3K4 UniRef90_G1KR22	S	

UniRef90_H2UBY8 UniRef90_UPI0003F07447 UniRef90_UPI00042AE06F UniRef90_UPI0003F0A2B3 UniRef90_UPI000329005C UniRef90_H0VAC9	210 220 M M N Q T S K F P F V F
UniRef90_UPI0003D097A6 UniRef90_B3RFC4 UniRef90_P05619 UniRef90_E0UDK5 UniRef90_W5N5S5 UniRef90_UPI000387159F UniRef90_ A0A023FM49	MMY QKKKFPYNYI EDLK <mark>C</mark> RVLELPYQGKELSMI I LLPDDI LMSGTGKYQYYENEEFQAVNLPYGDGRLSMYVFLPRTNSN
UniRef90_UPI00038BF713 UniRef90_G3HBC5 UniRef90_UPI00042AD952 UniRef90_UPI00042AD952 UniRef90_UPI00038EA0A7 UniRef90_U6DBM3 UniRef90_H07V20	MMY QEHRFNLAHVKEVQAQVLEMPYEGLELSLLVLLPDDG MMNLEDTTPYFRDEELSCSVVELKYTGNASALFILPDEGK MMHHTFTTPYFRDEELSCTVVELKYTGNASALFILPDEGK MMSMEDTTPYFRDEELSCTVVELKYTGNASALFILPDQGR MMVQSGTFPLAHVSEVQARVLELPYEGQELSMVVVLPDEG
UniRef90_UPI00032B1083 UniRef90_UPI000333D046 UniRef90_UPI000333D046 UniRef90_UPI00022F48BC UniRef90_UPI0003833AA0 UniRef90_UPI0003833AA0 UniRef90_G3X118	MMS MK QELRTFYIENPQAMGLQLYYENRDLSMFIILPENV MMS MKRTLPVFHIEQPQAMGLQLDYESRDLSLLLLPEDV MMRLTGKFNYAETEELQILEMLYEGEELSMLILPKEDN MMKQRSNFNINLLEDVQAKIVELPYKGKELSMFILLPMOOG
UniRef90_H0UTW7 UniRef90_UPI0002654206 UniRef90_UPI000388AABF UniRef90_UPI0002C443B1 UniRef90_UPI0002C443B1 UniRef90_UPI000305607D	MMCQNSTFKIGFVPSEKIKI LELPYASGELSMLVLLPDDG MMQQSGTFKVALIKEPHMQVLELPYASGELSMLVLLPKDT MMYQESKFRYRRVEGTQVLELPFKGDDITMVLILPGPGKN LMSQEDEFDLAVDKTNDCLVLEMPYQGRSLLIALPVKDDG MMYQKDRFKLAHIQEMNAQILMIPYAGKSLNMIILLPDDT MMFKQAKFKMGHVEEVPAQVLELPYVGAELSMLILLPDEN MMFKESTFKLTYMKEICTQILVLPNVGKELNMIIMLPDEN MMKQNIEFNFMFLEDVQAKIVEIPYKGKELSMIVLLPVEI MMSQKGRYKYYENEQFQAVSLPYGKEGKSLYVFLPKHNFS
UniRef90_G1KCM4 UniRef90_UPl0002C572D4 UniRef90_UPl00036E3D6B UniRef90_UPl000333C396 UniRef90_UPl0003F17D47	MMFQMGMFEAGRDDERSCTVLKMPYEGHAAAYFI LPDKGQ MMFQSSTIKYLHDRVLPCQVVQLEYVGNGTVFFVLPDEGK MMYQENKFRHVSIPSDHVQVVELPYKGDDI TMVLI LPTMG MMSQKGKYKYYENEQFQAVSLPYGKGDSLYIFLPKSNQS MMYKKATFQMTYIGEIFTKI LVLPYVNSELSMI I MLPDEH MMYQMEKLPFNYI PEI NCRV LELPYVDYELSMVI V LPDNI MMKQRHSFNFTFLEDLQAKI LGIPYKNNDLCMFL LLPNDI
UniRef90_V8PON6 UniRef90_G5E2E4 UniRef90_Q3M416 UniRef90_C3PT36 UniRef90_UP1000334672C UniRef90_UP1000398FA67 UniRef90_UP10003957BD8	MMSRTDSFKVYEDELLPCKVLSLPYKNNANMLLILPKAGK MMSQTGEYRYYETPQFQSVSLPYGQDGKSLYLFLPTKNSN MMSMKEKLLAFHIETPQAKGLQLYYDSRELSMLILLPEDL MMYRAGKFASTFDKNFRCHVLKLPYRGHATMLVVLMEKGD MMQRDSNYDSYYDQDLSCEVVELPYQGTARALLILPDDGK
UniRef90_W5U8V8 UniRef90_UPI00022F3772 UniRef90_UPI00032B0AC4 UniRef90_E2R065 UniRef90_UPI0003F18DB3 UniRef90_M7BWC0 UniRef90_I3JLQ7	MMRQKDTFHLAYVNEVQAQVLLMPYEGMELSMVVLLPDDG MMKQVNYFNFALLEDAQARILEIPYKGKDLSMIVLLPNDV MMHQKGLFRIGFIEELKAQILEMRYIKGALSMFVLLPPYS MMYRAGNFTSTFDKNFRCHVLKLPYLGNATMLVVLMEKGD MMFKSDMVASTLDKNLRCIVLKLPYRGSAHMIAMPEKEGD
UniRef90_G1PX37 UniRef90_G3UB10 UniRef90_M3W9H4 UniRef90_UPI000237C0E0 UniRef90_B0CMB0 UniRef90_D3ZKA0 UniRef90_L5KIF4	MMK QRNMFKFASLEDMQAKILEII PYKDKDLSMVLLLPNDG MMCQTGIFKLASIKKPQIQVLELPFVNNRLSMIILLPVGT MMSMKTKLQAFHIEEPQAMGLQLYYNSRDLSLLILPEDI MMNQEQDLDYYADDELRAVKLPYGNGSFYMIVALPSGEAS MMFMKEKLQIFHIEKPQALGLQLYYKSRDLSLFILLPEDI
UniRef90_A1ZEC0 UniRef90_B7QJF1 UniRef90_UPI0004419916 UniRef90_W5M2R7 UniRef90_L9L815 UniRef90_W2CNM8	MMSMKKKLHVFNIERPQAIGLQLFYESRDLSLLILLPEDGFMHITNSIKYTENAILQALELPYAGDKVSTVVLLPKHKNGMMRLKSTLNHTYNAILNADLVDLPYVGNDFSMTIILPREKMMFQMGMFELGRDDERFCTILKMPYEAHIAAYFILPDKGQMMQTKGNFLAAADHELDCDILQMSYVGNISMLVIPRKLSGMMRLQGHFKTGTIKEPHLQVLEIPNTEDLLSMIIVLPSEDMMRLQGHFKTGTIKEPHLQVLEIPNTEDLLSMIIVLPSEDMMRLRDTFRCASSDVCDYLEMDYGNHAFSMVIMLPKDGKTMSFEERMVPFFRDEELACTVVELQYISDDSALFILPDEGQMMHQERKFNLSVINDPSMKVLELRYNGGINM YVLLPEND
UniRef90_F6ZLR1 UniRef90_B0CMA8 UniRef90_UPI00032B27C3 UniRef90_R7ZXZ0 UniRef90_X5DY52 UniRef90_H0VM65 UniRef90_F6W754	MMTQRHPFSFMLPEDLPAKILLGIIPYKNNELLQMFVLLPDDII MMDLGEPAAFHVFSTPEYGYIELPYSGQFTMGIIVYGQDGN
UniRef90_H0YV59 UniRef90_Q63556 UniRef90_V9L272 UniRef90_G3WAA8 UniRef90_F8W5C3 UniRef90_UPI000359C8DA UniRef90_UPI00042C122B	MMSRKANVPYGHVEDLGLQLVELPYADEEISMVILLPDEIMMTQKDYFNMGYIQECQGKIIELPYTNNHLSMLVLLPTETMMYQKKKFNFGYLPEEKIRVLELPYDGRELSMIILLPDDTMMKIEETTPYFRDEELSCSVLELKYTGNSSALFILPDDTMMKIEETTPYFRDEELSCSVLELKYTGNSSALFILPDDTMMKIETTPYFRDEELSCSVLELKYTGNSSALFILPDDTMMYRSNKFASTFDRNLRCHVLKLPYNNNELSMIVLLPEDLMMYRSNKFASTFDRNLRCHVLKLPYRGNASMLVVLVDKGDMMHQYEHLKVYYDVELFTKVLCLDYNDSFSMLDVYMKQKTMMFQEGYFNMAIIEELKTKVIELQYYNNELSMFILLPEDDMMFLKDTFPICYLELKTKVIELQYYNNDLSMFILLPEDDMMFLKDTFPICYLELKTKVIELQYYNNDLSMFILLPEDD
UniRef90_UPI0003334746 UniRef90_Q6DG30 UniRef90_K4GCJ9 UniRef90_UPI00044391B1 UniRef90_UPI0001D38C36 UniRef90_UPI000334411A	MMY RSNKFASTFDRNLRCHVLKLPYRGNASMLVVLVDKGD MMHQYEHLKVYYDVELFTKVLCLDYNDSFSMLDVYMKQKT MMFQEGYFNMAIIEELKTKVIELDYYNNELSMFILLPEDD MMFLKDTFPICYLETMKVKIAELPYVNNDLSMLILLPDDI MMAQCHSFDFKLLEDLQAKIVGIPYSNNDLSMFVLLPNDI MMYQKKKFPFNYLYDHRVQVLELPYVKEELSMLILLPDEET MMSRIGSYYAKQERDLFSFVVLLPYKGNASMVLLLPDEET MMYQTGKFRLASIQDPQMQVLELPYVNKKLSMVILLPVGT MMFKKAKFNMSYMADFRTKILDLPYVDNKKLSMVILLPDEI MMYXMEQYYHLVDMELNCTVLQMDYKRNALVLFVLPKEGQ MMYQTGTFKLAFIKEPHMQVLELPYINKQLSMIILLPVGD
UniRef90_J9P6C3 UniRef90_Q8K3K4 UniRef90_G1KR22	MMYQTGTFKLAFIKEPHMQVLELPYINKQLSMIILLPVGD MMYQEATFKLAYIEELQTQVLELPYVGDELSMLILLPDDH MMSMKQSLQVFHIEELQTIGVQLHYQNREFSLLLLLPEEG TMYLENFFRYANIPSSQVQVLELPYKGDDMVLILPFEGKP

UniRef90_H2UBY8 UniRef90_UPI0003F07447	EDSTEKVGHSNALLDUKETMKEVEVQVGLPRFKMEEK <mark>C</mark> NM	
UniRef90_UPI00042AE06F UniRef90_UPI0003F0A2B3 UniRef90_UPI000329005C UniRef90_H0VAC9	E D D E E Q L T W D K L N E W	
UniRef90_UPI0003D097A6 UniRef90_B3RFC4 UniRef90_P05619 UniRef90_E0UDK5	EDELEK QLIT LEK LREWT KPENLYEVNVHLPREKLEEN Y DL	
UniRef90_W5N5S5 UniRef90_UPI000387159F UniRef90_A0A023FM49 UniRef90_UPI00038BF713	Y I SI IDDE I SAESFLIGWI QKLIKK I KLEVQLIPREK MEQSYNM NDNTERELTYEKLISEWTKSANMMKAEVYLPKLINLEENYDL ESKITEDSI TASNV <mark>C</mark> ELTKSLIRDTSDQLYLPKEKLEQALDL	-
UniRef90_G3HBC5 UniRef90_UPI00042AD952 UniRef90_Q91WP6 UniRef90_UPI00038EA0A7	M Q Q L E A S L Q P E T L K R W K D S L K P R R L D L Y L P K F S L S T D Y S L M Q Q L E A S L R P E T K K W K D S L S P R M L D D L Y M P K F S L S T D Y S L	
UniRef90_U6DBM3 UniRef90_H0YV20 UniRef90_UPI00032B1083	MGAVEASL LIPDIL RRWI DSLIQMRRDDLIYL PRFSIISSSYNL CEDFECAL TYEKL AEWTSTMQPLRVKVFL PRFSIISSSYNL NEQLEKTII TYEKL NEWTREDMMELIYDVHL PRFKLEESYDL	
UniRef90_UPI000333D046 UniRef90_X0ZTF9 UniRef90_UPI00022F48BC UniRef90_H0XN71	LKSVEESLSVEKLSELRNMLVEQQVDIYIPKFKFEIKYFM LKKLEDKLTADKLIEWASPQNMYKVELYLYLPRFKVEEKYDL	
UniRef90_UPI0003833AA0 UniRef90_G3X1I8 UniRef90_H0UTW7 UniRef90_UPI0002654206	L E QL E K K I N F E K L T E W T S P M E K K K V K V Y L P R M K I E E K Y N L I E K I E K Q L N L K T F K Q W T S S M I E K E V D V Y L P R F K L G I K Y E L L D K M E Q E L T P E L L Q E W L D E L V E T L L V V H I P R F R I E D S F S L	
UniRef90_UPI000388AABF UniRef90_Q5BIR5 UniRef90_UPI0002C443B1 UniRef90_Q9Z2G2	_	
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UniRef90_UPI0003F18DB3 UniRef90_M7BWC0 UniRef90_I3JLQ7 UniRef90_G1PX37	Y A SILLE DE ILLIA EL VIES WILLEN METER MODIFE PER ENLO QUE Y QUE	
UniRef90_G3UB10 UniRef90_M3W9H4 UniRef90_UPI000237C0E0 UniRef90_B0CMB0	A E QI E K QL NLKT F Q E WT S N MLE K E V E V H I P R F K L E L K Y E L E D QL E K A I T Y E K L S G WT S A D M M C E V Q L Y L P K F T L Q E T Y D L VN D I VN N I T S E K W A S I L E N M N E Q S I G I E M P R E E V E C K Y L	
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LINIDATOO LIDIOOO4446E99	MDNFCKANGTFAITLLKVLGEEDHSRNVFFSPLSLSS VTSANKEFAFRLYRKLAGDSQGKNIFFSPLSLSS AHQEFARRLALFSINVYGKLSGQKPGENIVFSPFSIQT QKVANANNEFGFRLLQKIPASSEV NVFFSPYSVST MDSFSEANGPFAINLLKKLSEKDNSQNVVFSPLSISS VEGNSRFAFDSFKQLDKEDREQNILISPLSIST PFASQTTEFAFDFARQVGEQEKNKNVFISPLSLHM NSTDASTSPNYNVFAADLFTVVVDNSVDRNVVFSPASIQT
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UniRef90_B4J5M5 UniRef90_H3DMX5 UniRef90_B7NZ99 UniRef90_E3TE90 UniRef90_M4A8C6 UniRef90_UPI0003318AB0	EFSRRLAKFSVNMYGKLVASKPNTNVVFSPFSIQTEFARGGATFTTELFHLLAAGGVKQNIVFSPFSIQADALADFSVRLYQQLQAGGEQDNLVFSPLSVAVMEDLYVANTIFALNFFKHLAKANPTQNLFFSPWSISSMESLSRANSAFALDLYRAISAENPDGNLFFSPLSVSACHAISSLNADFAFALYRNINRTAPGKNIFMSPLGLSADFAFSLYKLLAAQSPETNVIFSPLSVSM
UniRef90_UPI000393D579 UniRef90_P29508 UniRef90_UPI00022C953F UniRef90_P13909 UniRef90_I3IY10 UniRef90_Q06B74	DALADF SVRLYQQL QAGGEQDNL VFSPLSVAV MEDLYVANTIFAL NFFKHLAKANPTQNLFFSPWSISS MESLSRANSAFALDLYRAISAENPDGNLFFSPLSVSA CHAISSLNADFAFALYRNINRTAPGKNIFMSPLGLSA DFAFSLYKL AAQSPETNVIFSPLSVSM MGSISAANAEFCFDVFKEVKLHRSNDNVLFSSLSMLS MNSLSEANTKFMFDLFQQFRKSKEN NIFYSPISITS ALRSVVEGANQFSSSFFQTVVQDNPG NLITSPLSAGI T DFGVKVFQQVVRASKDRNVVFSPYGVAS HMSCHKLSAPNAAFAFAFYKRLARTAAGNNIFFSPLGIST KLTKANNRFGLRLLRALPS GPEKNVFFSPYSVSA
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A		ALGENISI GARGS THE SELECTION FULL FLOOR FULL
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UniRef90_B7NZ99 UniRef90_E3TE90	TEPQAVDFECAEEARKKI NSWVNTQTKGKI PNL LPEI DGE ADMQAVDFLASEESRKLVNHWVEEKTEGKI KDI SGTVTAM
UniRef90_M4A8C6 UniRef90_UPI0003318AB0	A DAVIST DE ODTATAEKI I ND YVE OKTKOKI K DIL VKDIL ID PS
UniRef90_UPI000393D579 UniRef90_P29508	A E L E V D F K T A A E E A R Q L N S W V E K E T N G R Q D F L V S D S V D T S V E S V D F A N P E E S R K K N S W V E S Q T N E K K N L P N L G S N
UniRef90_UPI00022C953F UniRef90_P13909	S A S Q L V N F A Q N K E A A N I I N S W V E Q N T N N L I K E L I S M L N D L T T V K Q V D F S E V E R A R F L V N D W V K R H T K G M I S D L E G A V D Q L
UniRef90_I3IY10 UniRef90_Q06B74	
UniRef90_G1TAU6	A E L H K V D F G E P Q A A V D F V N N W V K R K T H D K I E K L F N P L D P D T T V K Q V D F S D V Q R A R F I I N D W V E R H T K G M I S D L L G E G A M D A E P Q S V N F Q D A N G A R K E I N S W V E T Q T K G K I P E L L P E V D D D
UniRef90_F7CGR3 UniRef90_Q96P63	TILESDE OKN PEKSRQEI NEWVECQSQGKI KELESKI NAE
UniRef90_H1XQZ0 UniRef90_F6ULK0	A E L H K V D F G E P Q A A V D F V N N W V K R K T H D K I E K L F N P L D P D T T V K Q V D F S D V Q R A R F I I N D W V E R H T K G M I S D L L G E G A M D A E P Q S V N F Q D A N G A R K E I N S W V E T Q T K G K I P E L L P E V D D D T T I E S D F Q K N P E K S R Q E I N F W V E C Q S Q G K I K E L F S K I N A E A E V R D L N F A D P Q A V V T I N N W I A Q A T N Q K I K K V L D E I P P D A E L E H V N F Q E S E K S R E H I N A W V E G K T E G K I S E L L S S I D P L A E V E N V D F N Q N V A T A N H I N K W V E N N T N G L V K D L V S S R D F S
UniRef90_F7CJ66 UniRef90_UPI00036CE199	A QIVIS A Q D F N D P A TIVIA K II IN S WA S E Q T K G R II P K IV I D Q II Q P D
UniRef90_UPI000333F355 UniRef90_UPI00035A2D2C	A E A S S T D E O O P H E A K NII I IN D YIVIS K O T H G KII IK EII I IS DII ID D O
UniRef90_E1BTH3 UniRef90_O08804	A E P Q S V D F V G A A N A R R E I I N S T V E H Q T E G K I K S L L P P I D S L A E M E E D F K G A T E Q S R Q H I N A W V A K K T E D K I T E L L S S V N S N
UniRef90_K1PU81 UniRef90_R6KDB2	I I A E S M D F S Q S A V A S S K I N S W V S Q Q I E N K I Q N L V P A L D A L A O V O E I D E T S P T A K D M I N O W C A T O T N N C I K E V I O E I P A D
UniRef90_UPI00038EEA68	A QVQ E L D F T S P T A K D MI N Q W C A T Q T N N C I K E V I Q E I P A D T E P H E V D F Q N C E E A R K E I N S W V N T Q T K G K I A H L L P E V D E M A E L E A V D F V S S E A A R L N I N K W V H E Q T Q G K I K D L E G L L D E Y S S S K V V D F G E S E A V R R E I N D V V E K E T N S K I K D L I P V L N S L
UniRef90_G3NAW7 UniRef90_V5WCC7	TEPHEVDFQNCEEARKEINSWVNTQTKGKIAHLLPEVDEM AELEAVDFVSSEAARLNINKWVHEQTQGKIKDLEGLLDEY SSSKVVDFGESEAVRREINDVVEKETNSKIKDLIPVLNSL AEPQSVNFETPDQLRSEINTWVENQTEGKIVKLLPDVDSM
UniRef90_F7CGN7 UniRef90_T1JHQ7	A E P Q S V N F E I P D Q I R S E II N I W V E N Q I E G K II V K L L P D V D S M E I S R V D E O R A P E A A R A A II N S W V E K E T K N K II R D II E P M M G S S
UniRef90_G3VJ14 UniRef90_T2MF56	SNIVIE EILIDE AN SEE ARKYILINKWTEEKTEDILLIOEILLISNILIN PW
UniRef90_T1IF83 UniRef90_UPI0003C36362	S E IV I VIN E II IS D P E G S R N E II IN O WIVIE E K T N K K II IK DII IE G T II IT P II I
UniRef90_UPI0003346F1BB UniRef90_UPI0003338980	SAVENVDFGQGAKTAKLMNSWVESKTDNTI HDI VSPLTTD AEVSTLEFKHPETTKT I NSWVNNATKGKI SEI I DSVKPD TTVKQVDFTEVERARFI I SDWVKKHTKDMI SDLEGAVDQL
UniRef90_B7QL32	T T V K Q V D F T E V E R A R F I I S D W V K K H T K D M I S D L E G A V D Q L A D L Q T V D F V D G G Q A A V D I N R W V K K K T H D K I E S L F S P L S P L S E G F T V D F T N T T A A L H L I N K Y V E D K T H G K V P H F L D D L N A D
UniRef90_W5MU67 UniRef90_H3ZLU8	GEAEII IDFQSDPQGAAKEII IN AWIVIKNQI SGRII IRDII VISGILISPM
UniRef90_UPI000334154B UniRef90_G8UQY8	A E V K A V D F S S P A T L P A I N G W C A R K T N D K I T K I L D Y I P G N
UniRef90_W8B9Z8	VEVEGLDFNSPPAAASNLNYWVAQKTLNLIPQLISQLDEQ

	470
UniRef90 UPI0003C492EC	170 180 190 200 T S L A L A N Y I F F Q G Q W K V K F E A E G F V A E D F H V D K K T T L R V P
UniRef90_A7BYH7	T R L V L V N A I Y F K G N W A M P F D S N K T K M E P F W N A P N S S A N V P
UniRef90_E1RK56 UniRef90_UPI0004403F25	TRLVITNAI YFKGT WVLQFDKNMTTEADFTTPSGET WTVETRMVLVNAVYFKGI WEHQFLVQNTTEKPFRI NKTTSKPVP
UniRef90 K1L767	AIVIM YII VIN AII IY F K A F W T Y N F P K A N T K K F N F F P N S G Q F IVIMIVID
UniRef90_H0VPL6	NKL VL I NAVYEKGKWNKLEQESNTKEMPEKLNQKEQRPVQ
UniRef90_B6EU39 UniRef90_U3EQV8	T R L V L I N A I Y F K A K W N D E F D P F D T Q D R P F F K T E E D S V D V P T K L V L V N A I Y F K G N W A D K F N K D H T A E K P F R I N K N E S K T V Q
UniRef90_03EQV6	TKLILVDYIL FKGKWLIPFDPALTEMDTFYLDKYKEVKVP
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UniRef90_A1IVL3 UniRef90_B9XLN3	T
UniRef90_G7W8T9	TRL V L I NAI Y F K A K WN D E F D P F D T Q D R P F F K T E E D S V D V P T K L V L V N A I Y F K G N W A D K F N K D H T A E K P F R I N K N E S K T V Q T K L I L V D Y I L F K G K W L I P F D P A L T E M D T F Y L D K Y K E V K V P I R L I L V N A V Y F K G R W D Q Q F E E S S T R T M P F K I N Q K E Q R P V Q T V L V L V N A I Y F K G S W E S P F Y I S D T M F N S F H V S L E E V V Q V P V A L V L V N A V Y F K G A W A T P F S K E V T M P N P F Y F G K K G S V T A Q V I M Y L I N A I Y F K G D W A K Q F D P H N T F K T Q F E A G N G N T D Q V M T R L V I T N A V Y F K A N W S S R F E A V N T K N E T F Y S P S G P V V V Q S V M V L V N A I Y F K G Q W Q N K F Q E S E T V K T P F Q L S E G K N V I V E T K M V L V N A V Y F K G N W K T P F Q K K L N G P H P F R V N L T Q R K A V Q
UniRef90_C5A4E9	TRLVI TNAVYFKANWSSRFEAVNTKNETFY SPSGPVVVQ
UniRef90_H0WPQ5 UniRef90_Q06770	SVMV L VNAI Y FKGQWQNKFQESETVKTPFQLSEGKNV I VE ATLI LINYI FLKGI WKLPFSPENTREEDFYVNETSTVKVP
UniRef90_UPI00042C6BF0	
UniRef90_M3X3Q3 UniRef90_U3BQ61	T K MV L V N A V Y F K G K W K T P F E K K L N G L Y P F R V N A T Q R T P V Q T K L V L V N A I Y F K G N W D K Q F R K E N T K E R P F K V S K N E E K P V Q
UniRef90_T1IPU0	TRLVLVNAI YFKGNWHEQFDPKRTNADYFFLDANKKIMTD TKLILVDYI LFKGKWLTPFDPLFTEADTFHLDKYKAVKVP
UniRef90_Q62975	TKL I L VD YI LFKGK WLT PFD PLFTEADTFHLDKYKAVKVP
UniRef90_Q8AYE3 UniRef90_B9XIM4	TILVLVNAI YFKGQWKNKFDKQNVMKLDFHVSPTHK <mark>C</mark> PVPTRMVLVNAI YFKGLWNTPFQESATRQDKFHVNAQRMLTVP
UniRef90_W2C3T3	A FLYL I NAVY FK GTWARTF DKKNTKPAEFHKADGSTEKVQ
UniRef90_UPI000180C8BF UniRef90_H0WSZ7	A FLYL I NAVYFKGTWARTFDKKNTKPAEFHKADGSTEKVQ SLVRLVNAVYFKGSWLHKFKDYDSIESNFHVKEGTTTQVK ANLI LI NYI FFKGTWTQPFDPNSTREENFYVNETTVMKVP
UniRef90_UPI0002740234	TKMVLVNAVYFKGKWSEQFDRKNTKGMLFK TNKEKKTVQ TVMYLLSYIYFKGKWETPFDPRDTKQDVFRVDENTEVQVQ
UniRef90_UPI0004446F88	TVMYL L S Y I Y F K G K WE T P F D P R D T K Q DVF R V D E N T E V Q V Q
UniRef90_Q9U1I5 UniRef90_A7UI23	SRLVLVNAI HFKGTWQHQFAKHLTRPDTFHLDGERTVQVP ARFVLLNAI YFKGLWNTPFHSASTFKASFFNAGTERVEVD
UniRef90_F7BXY2	AKLVLVDGIYFKGKWNEQFEENYTRE FFKTRKNEKKPVQ
UniRef90_H5XTY7 UniRef90_I2GRX6	
UniRef90_H9TZT5	NVMFL MNAL YFKGDWKTQFNPGQTLDAPFTLASGQKTVR TSAILVNAL YFKGDWKTQFNPGQTLDAPFTLASGQQKTVR TSAILVNAL YFKGLWKSKFSPENTRAEQFHKAGGESCSAP TDLILLNYLFFKAQWKTPFNPHRTYDSEFLVSKDKRVQVP TKLVVVNAVYFKGQWDREFKKENTKEEEFWLNKKTTSKSVL TKLVLVNAL YFKGLWQEKFLTRHTTDAPFRLNKKDTKMVK
UniRef90_UPI00044482B8	TVL V L V N T I Y F K G L WK S K F S P E N T R A E Q F H K A G G E S C S A P
UniRef90_UPI0003AF5DEA UniRef90_L9L8N7	T D L L L N Y F F K A Q W K T P F N P H R T Y D S E F L V S K D K R V Q V P T K L V V V N A V Y F K G Q W D R E F K K E N T K E E E F W L N K T T S K S V L
UniRef90_F8WGA3	TKL V L V N A I Y F K G L W Q E K F L T R H T T D A P F R L N K K D T K M V K
UniRef90_UPI0003AF86F7 UniRef90_UPI0003834820	TKI I L VNYI YFKARWQIPFDPKRTQQAEFHVSENETVQVPTEMVLVNAI YFKGLWQKAFKDEETQAVPFRITEQENRPVQVSMYLINAVYFKGEWTEKFDKKRTFNKDFHSGNGETKEVMTRLTLVNAVYFRGSWKNQFRPENTRTFSFSRDDGSEVQTLKDTALVLANAVHFQSSWVYKFKDAEDDSFYITPSNKVPVK
UniRef90_UPI0001E2CC78	VSMYL I NAVYFKGEWTEKFDKKRTFNKDFHSGNGETKEVM
UniRef90_M4AS07 UniRef90_J9JX80	TRUTUVNAVYFRGSWKNQFRPENTRTFSFSRDDGSEVQTU
UniRef90 UPI000328ABC0	
UniRef90_T1PFM8	T <u>R</u> M V L L N A <u>M </u>
UniRef90_L5MB44 UniRef90_G3VG92	S
UniRef90_UPI00046CF928	TRMLLLNAVYFKGKWAKEFKKEGTQDKIFHVDAKTEKKVP
UniRef90_L5JP23 UniRef90_B4J9A5	EVMVMVNYI F F K A K WE T S F D S K S T Q K H A F H V T S E T V V Q V P T R L V L I N A II H F K G N WVH K F P E H A T R D E R F H L S E T E S V N V P
UniRef90_B4J5M5	EYTRL VNAL HFKGNWAHKFPEASTEEDDFWTGEEQSIKLP
UniRef90_H3DMX5 UniRef90_B7NZ99	T R
UniRef90_E3TE90	I RILIAIL VIN AII IY F K G K W K NIVIF N I E <mark>H</mark> I K E M P F K II IN Q N E I K P IV IQ
UniRef90_M4A8C6	TAMVLINYVYFRĞQWERPFNKNLTEKADFHVDENTKVEVD TRMVLVN <mark>C</mark> LFFKGEWKTAFDPNATIMSSFHVNESRKVEVP
UniRef90_UPI0003318AB0 UniRef90_UPI000393D579	LNTAL VNV I Y F K GI WK S A F K E E Y T R E E P F N V T E Q E S R P V Q
UniRef90_P29508	TTLVLVNAI Y FKGQWEKKFNKEDTKEEKFWPNKNTYKS I Q
UniRef90_UPI00022C953F UniRef90_P13909	T K L V L V N A V Y F K G Q W K D K F D P K L T S D M A F H T S K V E V K N V P T R L V L V N A L Y F N G Q W K M P F P E S N T H H R L F H K S D G S T L S V P
UniRef90_I3IY10	T MMML I NYVYFKGYWEDPFDRKWTRKDNFHVDGSTKVVQVD
UniRef90_Q06B74 UniRef90_G1TAU6	TLLVLLNAI Y FKGE WNT A FVKEHTEKR QFFNGGVT PVEVD ORLLLVNAI Y FNGOWKT PFSKSGTHHRUFHKS DGSTUSVP
UniRef90_F7CGR3	TKL V L V N A V Y F K G K WK T P F Q N K A K R P Q P F R V T L T E R K P V Q
UniRef90_Q96P63 UniRef90_H1XQZ0	I V L V L V N A V Y F K A K WETY F D H E N T V D A P F C L N A N E N K S V K A V M Y L N A L Y F N G WTY O F P F D F V O O P V F H O L O G O S A F C S
UniRef90_F6ULK0	TKĽVĽ VNAĽYFKGKWDKĚFKKDNTŘĚRÁFKĽSKSKEKPVQ
UniRef90_F7CJ66 UniRef90_UPI00036CE199	TSLALINAI Y FKGNWKSQFRPENTRTFSFTKDDESEVQIP
UniRef90_UPI000333F355	STLAL VNYI SFHGKWAAQLLTEYTAEEDFHVDENTTI RVP
UniRef90_UPI00035A2D2C	TLMVL VNYI YEKGKWKTPFDPLDTEDSEFHLDKKRTVTVP
UniRef90_E1BTH3 UniRef90_O08804	TIL L V L L N A I Y F K G E WN T A F V K E H T E K R Q F F N G G V T P V E V D Q R L L L V N A L Y F N G Q W K T P F S K S G T H H R L F H K S D G S T I S V P T K L V L V N A V Y F K G K W K T P F Q N K A K R P Q P F R V T L T E R K P V Q T V L V L V N A V Y F K G K W T Y F D H E N T V D A P F C L N A N E N K S V K A V M Y L I N A L Y F N G L W T Y Q F P E D E V Q Q R V F H Q I D G Q S A E C S T K L V L V N A L Y F K G K W D K E F K K D N T R E R A F K I S K S K E K P V Q T S L A L I N A L Y F K G N W K S Q F R P E N T R T F S F T K D D E S E V Q I P N M F L L N A L Y F K G D W Q K P F D P N L T S D S P F K L A S G G S T L V R S T L A L V N Y I S F H G K W A A Q L L T E Y T A E E D F H V D E N T T I R V P T L M V L V N Y I Y F K G K W K T P F D P L D T F D S E F H L D K K R T V T V P T R L V L V N A L Y F K G N W A T K F D A E D T R Q R P F R I N T H T T K P V P T P L V L V N A L Y F K G N W K S Q F D K S A T G Q D N F T N V D G S Q Q K V A V A W Y L I N A L Y F K G I W K S Q F D K S A T G Q D N F T N V D G S Q Q K V A
UniRef90_K1PU81	TEMVLINAI YEKGNWKSQEQSENTQKMEERNEKDKY MTD
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UniRef90_G3NAW7	TREVEVNALYFKGNWNKKFQESATQDVKFRINKNQTTSVK
UniRef90_V5WCC7	TRMVLVNAVYFKGLWENQFNESDTHDQEFWLSSQESVQVP
UniRef90_F7CGN7 UniRef90_T1JHQ7	TFMVLINALYFKGNWKSQFQSENIQKMEFKNEKDKYMIDGSQQKVA TKMVLINALYFKGIWKSQFDKSATGQDNFTNVDGSQQKVA TKMVLVNAVYFKGKWKTPFEKKLNRLYPFRVNATQHIPVQ TRLVLVNAIYFKGNWNKKFQESATQDVKFRINKNQTTSVK TRMVLVNAVYFKGLWENQFNESDTHDQEFWISSQESVQVP TRLVLVSAIYFKGKWQEQFKPKDTVEKPFRVNQTTTKMVQ TLIAIVNAAYFKGKWQSQFKPKDTVEKPFRVNQTTTKMVQ TLIAIVNAAYFKGKWGSQFKPKDTSKEVFHVTPGRDVMID TSLVLVNAIYFKGKWEKKFDKNRTREEMFKISKEKQKPVQ
UniRef90_G3VJ14	T S L V L V N A I Y F K G K W E K K F D K N R T R E E M F K I S K E K Q K P V Q
UniRef90_T2MF56 UniRef90_T1IF83	T R MV V T N A Y F N A L W K H A F K N Q N T T L T T F Y S K K S S V N V P T R L V L T N A H F K A N W A K P F D A E L T S D E D F Y V S P D N K V K V K
UniRef90_UPI0003C36362	TRL V L LS AI I Y F K G N WE K P F DILK Y T E E E D F Y I D D K N T V K V Q
UniRef90_UPI000346F1BB	DVL FL I NAI Y FNSNWQKQFDSKLTTKQPFYLEKNKTI DYP
UniRef90_UPI0003338980 UniRef90_B7QL32	TRLVLVNALYFNGQWKMPFPEAATRPRLFHKSDGSTVSVPTRFVLLNAIYFKGTWETEFEKKNTRNMPFLNGGVTQAEVQ
UniRef90_W5MU67	TREVL V NAL Y F N G Q W K M F F F E A A T R P M F F L N G G V T Q A E V Q T L M F L V S Y I Y F R G K W E I P F D P R D T R E D V F H V D E K T T V P V Q T R L V I T N A I Y F K A N W S S R F E A S D T R N E T F H A P N A T V I I P T K L V L V N A V Y F K G K W N E Q F D R K Y T R G M P F K T G K E E K K T V Q A F M Y L I N A V Y F K G I W V T Q F K K S D T K R A P F R K A D G T T Q E V N
UniRef90_H3ZLU8 UniRef90_UPI000334154B	IKIL VI II NA II IYEKA NWSSREE ASDIRNETEH APNAT VI IPTKI VI VINA VYEKGK WNE OFDRKYTRGMPEKTGKEEKKTVO
UniRef90_G8UQY8	AFMYLINAVYFKGÜWÜTĞFKKSDTKRAPFR <u>K</u> ADĞT <u>TQ</u> EVN
UniRef90_W8B9Z8	TQAMLV GA I <mark>H</mark> FKAKWAKEFSKRDTEKQNFY V TPTR[[]S V D

	210 220 230 240
UniRef90_UPI0003C492EC UniRef90_A7BYH7	MTHRLGRFDLLHDKALSSWVLLQHYRGQMPAFLILPDEGK MMNQKNYFGYAENYNFQHLDLSYDDNNLSMLVLLPRHRDG
UniRef90_E1RK56	MMKRTDDYGYTETDGII IQIVI IEMPYENESGKSMI VII IPKEND
UniRef90_UPI0004403F25 UniRef90_K1L767	MMS MQ E KLQVF Y LK K P Q A K G L Q L F Y E S H D L S L L I L L P E D S M M D L G K A A G F R Y Y G S I D Y G Y I E L P Y S S G Q Y N M G V L I Q D G N
UniRef90_H0VPL6	MMERKGKEPWAHIVIREIVIQAQIVI IEMPYIVIGQEII ISMILI LI IPDED
UniRef90_B6EU39	MMHREGHFN <u>LVIDPEVGC</u> SVLELPYKEKDLSMIV <u>PT</u> EKEG MMFKKAKYNMTYLSDYR <u>T</u> SILEIPYVDNELS <u>M</u> IILLPEKL
UniRef90_U3EQV8 UniRef90_A5PJ69	MMFKKAKYNMTYLSDYRTSILEIPYVDNELSMIILLPEKL MMYRSGK <u>F</u> A <u>S</u> TF <u>D</u> KK <u>F</u> H <mark>C</mark> HVLKLPYRGNA <u>S</u> MLVVLVE <u>R</u> GD
UniRef90_G5BKF1	M M Y Q E A R L P L A Y V R E L G T Q V L E L P Y T G R E L S M V I V L P V E G
UniRef90_A1IVL3 UniRef90_B9XLN3	MMYQDGMFKLGRDENLK <mark>CQI</mark> LELPYKGKHLSMVLVLPDDG MMYQQEHFDYYENPKLKALKLPYAGRKLSM <u>VI</u> LLPSAR <u>D</u> G
UniRef90_G7W8T9 UniRef90_C5A4E9	MMKRTGTIVIEYGQGNGFQAIVIRILIPYGSGKMAMY <mark>C</mark> IILIPEKDIVIS
UniRef90_H0WPQ5	MMYQTGTFKILIAFII IKEPKMQIVLIEILIPYIVINKQILISMII ILLIPIVIGT
UniRef90_Q06770 UniRef90_UPI00042C6BF0	MMVQSGNISYFRDSAIP <mark>C</mark> QMVQMNYVGNGTTFIILPDQGQ MMFLHKKLNIGYIEDLKVQILELPYAGYVSMFLLLPDG <u>T</u> G
UniRef90_M3X3Q3	MMYILIR E DILINII IG YII IG DILIK T QII. LIEILIP Y T G DIVIS M F IL L LIP D E II IG
UniRef90_U3BQ61 UniRef90_T1IPU0	MMFKKSTFKKTY GEIFTQILVLPYVGQELNMII MLPDET LMHLKSEFKFAEDDNLNCKII ELPYVDEAFNLNNLMSRMR
UniRef90_Q62975	MMYREGNEASTEDKKER <mark>CH</mark> IIIKIIPYOGNATMIVVIMEKGD
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UniRef90_H0WSZ7	MMFQSRPILIRYILIRDSFILI <mark>PC</mark> QILLIQILINYIVIGNGTILIFFILLIPDQGK
UniRef90_UPI0002740234 UniRef90_UPI0004446F88	MMFKQAKFRMGYIKEMHTQLLEMLYAEEELSMVIMLPDED MMEMEKDVNLYSDKAINTTVLHLPFNNSYSMLLLLPENMT
UniRef90_Q9U1I5	MMSII KERERYADII IPAII IDAMAII IEII IPYKDSDII ISMII I VI IPNTK
UniRef90_A7UI23 UniRef90_F7BXY2	MMHGQLTAGYARDDETNSDVVDLPYAGLDYSMTI VRPRDR MMFKEATFKMTYLKEMSTKI LELPYVGEELSMVI MLPDEN
UniRef90_H5XTY7	MMSRTGNIVIEYGKGDDEOAIVIRII IPYGSGKAAMY <mark>C</mark> II I IPEKDOT
UniRef90_I2GRX6 UniRef90_H9TZT5	MMRENTEL RRASRPTYSAFELPYGNDKFAMTVLLPAQNSN LMYQDDYFRYADLPEFDATALEMQYENSDLSMLIILPRDG
UniRef90_UPI00044482B8	MMY OF GKERY RRIVIAE GIJOVIJEJI PEKGIDDI JI MIVI I I PEKS
UniRef90_UPI0003AF5DEA UniRef90_L9L8N7	MMTQCHSFSFTFILIEDILIQAKII LIGII IPYKNKDILITMFIVLLIPNDG
UniRef90_F8WGA3 UniRef90_UPI0003AF86F7	
UniRef90_UPI0003834820	MMYQFGSFKVAVVASEKVKILELPYASGQLSMWVLLPDEG
UniRef90_UPI0001E2CC78 UniRef90_M4AS07	M M T K N <mark>C</mark> E L E Y G A K D D F R V V R L P Y R E E E T S M Y <mark>C</mark> V L P S E N V S M M Y Q Q G D F Y Y G E F S D Y Q V L D M P Y E G E D M S M M I I L P R Q E V P
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UniRef90_L5MB44 UniRef90_G3VG92	MMOTKGNEU VANDOEU DCDVIOLOVIGDSMU I VIMPHKUAG
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VAFI

AFI

SMGMPDAAFI

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UniRef90_H2MB90 UniRef90_I3LXJ5	A E G F N V D F S N T T D S A N T I N K F V A D K T K G K I D K L V G D L D P S S F D I S V D S O F W A G T S R O I N K Y I K N K T P G K T A D A F I D P D R P
UniRef90_I3R703 UniRef90_G4H7Q3 UniRef90_O08800	S GLEADFT NDPDGERKRI NQWVADQTEDRI EDLLPAITPQAVVKGTHLGED KAMNQI NDWVNKKTEGMI PSI FSE PPGAGLESFAKDTEGCRKHI NDWVSEKTEGKI SEVLSPVCPL
UniRef90_F7DMU0 UniRef90_Q6J201 UniRef90_D3ZPF9	NVGKADFKKHSSDETLKI NSWI EDHTNKKI RDFFPPLSEA TTI ESDFQKDTEKSREEI NFWVESQSQGKI KELFDKI DNS
UniRef90_B7PX81 UniRef90_G1K1L8 UniRef90_G1SZH3	A E L A S V D F R A P E D A R K T I N A W V K E Q T G G K I P E L S G M V D S L A N A E S V D F A N A E E S Q K K I N S W V E S Q T N G K I K N L F P T L N S T
UniRef90_G3VRY9 UniRef90_UPI00038C0CC1 UniRef90_M7CAZ4	S MV K QV D F T E G E R A R F I V N D WV Q R H T K G M I S N L D G T I D Q L S A A K L V D F L D A K A C A E T I S T WV E S K T D G K I K N M F S E N D P L A K P V T L S G N N E N D L T A I N K W I K E A T E G Q I S T F L D H L P A S
UniRef90_B4NWU8 UniRef90_A9GEN7 UniRef90_A8PHV8	A E A E A I S V A D P N K A A S I V N K W V D N Q T G G K I R D I V E K D M S D A G I E V D F K G G S E P A R G R I N Q W V E Q Q T N G K I K D L M P A G S I T E T L H S F S N E Q S Q Q V A Q E I N N W V S Q K T N R K I T E L I G D I N K N
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UniRef90_G3XGC5 UniRef90_UPl0003441F0C UniRef90_W8BSP5	GL
UniRef90_S9WZQ0 UniRef90_F7I645 UniRef90_D6WWG8	T S V E S D F V E D P E E S R K K I N S W V E S Q T N E K I K N L F P D I N R M A D S E S I D F T K N V E A A N V M N S W V E K H T K S K I K N L I D D L D K F
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UniRef90_UPI00045413F8 UniRef90_UPI00045763C4 UniRef90_V9KR25	S S V R K L D F Q D A M S A A S N I N A W V V R Q I H G K V K D L F S S F S P L S R P K Q V F F Q N P K L A T H I I N K W V Q A Q T R D M I V D F L K P G M L N
UniRef90_A9FD28 UniRef90_Q7ZVL5 UniRef90_A0A034VP18	A HVR A D F V T A T K E A E G L I N A WV S H R T E G K I P K L D E D V T P E C E S H S V D Y S D P E A A A Q S I N D WV K N S T K G Q I P S V V T A D M F D S S A D S I N F A D S V N A A N T I N K WV E S K T N N L I K D L P D A V D S D A Q V E S A D F A K N A T L D R I N N W C K E H T N N L I P K I L E E I E P S
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UniRef90_F9W2V9 UniRef90_UPl0003333808 UniRef90_F0YTC1	T T
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UniRef90_UPI00042C0B22 UniRef90_UPI000476D379 UniRef90_Q0IEW1	A D L A T V D F R A S D E A R K Q N Q W V G E Q T E G K P N L L S E V S N M A T V E A V D F T R P E
UniRef90_B5DFQ5 UniRef90_UPl0003315E8F UniRef90_UPl0003314B78	RHLISQVN FT DIVA QA K DILI N QWV EN KT DGMI K DL VN NI PPL LENLPVD FK OS FFARKKINS WV KT OTK GKI PNI I PFL DGD
UniRef90_G3W2E9 UniRef90_W5N9L0 UniRef90_UPI000388A77B	S A V K L V N F Q D A K S C A E E I S T W V E N K T D G K I K N M F S T E D P L S D V H Q V D Y T E P E T A L K V I N D W V Y D N T E G M I P D F L P S G S E E T A I K L V N F Q D T K A C T E A I S T W V E N K T D G K I K N I V S E F G P L I
UniRef90_L0HLP6 UniRef90_UPI00033145E5 UniRef90_B4MJS5	A Y E Q N L N Y E Y A E L A R K T I N S W V E N Y T E G K I K E V I P E L S P F A L A F A A N F T D T A A T G W Q I N H Y V T K Q T Y G Q V V D C L Q E L S P D A S A E N V N F A D S K A T A E H I N T W V E E Q T K G H I K D L I S S L D A S
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UniRef90_UPI0003318A21 UniRef90_I4DIS8 UniRef90_F7GRJ7	LDNFPLGVQAWTKTSSQINEYVKNKTHGEISGLVLEIENP ALNFQG QPGESREYINDWVSRVTKNNIKDFLPPISQV SDTFPTNFRDSVGALKQINDYVAKQTKGKIVDLLKNLDSN
UniRef90_E9J1B9 UniRef90_W5JPR6 UniRef90_H0X9C4	S T S R L D F K D N G L A V K T N S W K K A T N N K L N T S D D E D T R V Q Q V N L D N V A A A D T N D W V E S K T N D K Q D L P D M L D G V A S L E P V D F M N A D E S R N K N S W V E S Q T Q E S T K D L F P D L S S L
UniRef90_P19104 UniRef90_B3NAL4 UniRef90_J3JFT0	A A A E NVN F I QS A D A A K RI N S WV E E Q I H Q Q I K D L I D P V D A D A G M Y V D F T T E A E A A R E T I N A WV A D R T E E Q I A E L L P E G S I H
UniRef90_UPI0003ACACEF UniRef90_H2LA83 UniRef90_I2ETU3	A E P Q S V N F R D P A F L E K A N S R I Q K L I K G L I K D P L K S V D P N A K A Y A E D F E N T A T V G K L N N WAS D N T N G K I K K V L D K I E P A
UniRef90_T1JQ80 UniRef90_C1BVQ4 UniRef90_K4FT04	A Y L E K V F S T E P T Y V V K WAN E L V S W W T Q G L I P N L L D S L D P L A E V H S I D Y S D S K E A V E V L N S W V E T K T H N K I K D L F S S I D A S A E A Q L S N F S D P G L V T K L N Q R I L K L T K G M V R D S I Q A I D P R A E M E E L D F V S A T E P T K H I N T W V A E K T E G K I R D L L P S V N P M
UniRef90_UPI0000EBEE01 UniRef90_S9X5F1	A E M E E L D F V S A T E P T K H I N T W V A E K T E G K I R D L L P S V N P M K E M E T V D F K D K E E T K S Q I N N S V K E L T D G K Y I L A D N S V N D Q

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June	UniRef90_UPI000333B0BB	TKLVLI NAI YLKGKWDREFKKENTKEEEFWLNKSTSKPVQ
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JARKSHOP GAPTYON JARKSHOP GAP	UniRef90_I3R703	TV L V L T N A I Y F M A S WL H K F D P K N T E D G I F T A L D G T E S T V P
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JANSANSO GSZDY T G. V. V. N. A. L. Y. F. K. G. W. A. E. P. F. D. W. E. T. F. V. S. N. S. E. W. Q. V. K. JANSANSO GSZDY T K. V. V. N. A. L. Y. F. K. G. W. N. A. F. D. T. N. D. T. F. D. D. F. P. V. S. N. S. E. W. Q. V. K. JANSANSO GSZDY T K. W. V. J. N. A. L. Y. F. K. G. S. W. N. A. F. D. T. N. D. T. S. D. F. P. V. S. S. S. E. W. Q. V. K. JANSANSO GSZDY T K. W. V. J. N. A. L. Y. F. K. G. S. W. N. A. F. D. T. N. D. T. S. D. F. P. V. N. S. S. E. W. Q. V. N. JANSANSO GHOMOSISCOCCI T K. W. V. V. N. A. L. Y. F. K. G. S. W. D. K. F. N. K. E. T. K. F. D. D. R. P. R. L. N. K. K. E. T. K. T. V. W. JANSANSO GHOMOSISCOCCI T K. W. V. V. N. A. L. Y. F. K. G. S. W. D. K. F. N. K. F. T. K. F. D. D. G. S. J. P. V. D. JANSANSO GHOMOSISCOCCI T K. W. V. V. N. A. L. Y. F. K. G. S. W. D. K. F. N. K. F. T. G. F. R. K. G. T. T. H. L. D. D. G. S. J. P. V. D. JANSANSO GHOMOSISCOCCI T K. W. V. V. N. A. L. Y. F. K. G. G. W. D. E. K. F. N. K. F. T. G. D. G. S. J. P. V. D. JANSANSO L. PROMOSISCOCCI T K. W. V. V. N. A. L. Y. F. K. G. W. A. F. J. F. N. K. F. T. G. R. D. R. H. S. D. G. S. J. P. V. D. JANSANSO L. PROMOSISCOCCI T K. W. V. V. N. A. L. Y. F. K. G. W. A. F. J. F. N. K. F. T. G. D. R. W. P. V. D. JANSANSO L. PROMOSISCOCCI T K. W. V. V. N. A. L. Y. F. K. G. G. W. A. F. J. F. N. K. F. T. G. R. D. R. H. J. D. N. V. R. T. A. V. P. S. G. R. W. A. F. J. R. N. P. P. D. G. R. T. R. K. D. F. W. L. N. K. N. T. S. R. P. V. Q. JANSANSO L. PROMOSISCOCCI T K. W. V. V. N. A. L. Y. F. K. G. G. W. M. H. K. F. D. F. D. K. F. T. R. K. D. P. H. L. D. N. V. N. V. J. V. P. R. G. R. W. R. T. R. W. P. R. T. R. W. D. R. T. R. W. D. R. T. R. W. D. R. W. J. R. W. J.	UniRef90_008800 UniRef90_F7DMU0	TAILVEVINAMYFKGKWKAQFDRKYTRGMPFKTNQE KKTVQ
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Junkelson Gistles T KL V L V N A I V F K G G WA DE K F MUNE AT K DA A P R R L N K K E T K T V K J M I M P R M C G WA P R R R D T E M F R R L N K K E T K T V K J M I M P R M G G W M R K F P R K E D T E M T E H K K D G S A V K W P P V D I M R M P M M P M N A V F K G G W M F K F P R K E D T E M T E H K K D G S A V K W P P V D I M R M P M M P M N A V F K G G W M F K F P R R E D T E M T E H K K D G S A V K W P P V D I M R M P M M P M N A V F K G G W M F K F P R K E D T E M T E H K K D G S A V K W P P W L M R M M M L L N A V Y F K G G W M F K F P R K F T D K E F K K P F R R R D T E M R M M M L L N A V Y F K G G W M F K F P R K F T D K E F K K P R M N A V F K M M M M M L L N A V Y F K G G W M F K F P R K F T D K E F K K M M N T S K P W M M M M M M M M M M M M M M M M M M	UniRef90_D3ZPF9 UniRef90_B7PX81	GVMV LMNAI Y FKAKWEKE FDSEN I VDA PF <mark>UL</mark> SEN EKKI VK
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Junkergo Aggenty Junkergo Agg	UniRef90_UPI00038C0CC1	I RII VI VINAII IYEKGID WOEKERKED LEMLEE <mark>H</mark> KKDGS AIVIKIVIP
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Jinkengo (Jeptocoota)	UniRef90_A9GEN7	GILIT RIL VIN AIVIY F K G K WA T P F D K Q A T K N E P F T IVIK P G T A P AIVIP
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Jinkergo UP1000384600	UniRef90_Q9D6A7	TRL V L V N A L Y F K G R W H H Q F D L K S T R K M P F K I N K D E E R P V Q
Jinkergo	UniRef90_H2MMV6 UniRef90_UPI0003686A05	IKLLLINTI FFQGVWQI PFNPNFTENAPFHI DNYNI VQVP
Junkelgo UP10003441F0C T.V.M.Y. V. V. N. F. P. F. K. A. K. W. E. K. P. F. N. P. G. S. Y. T.V.P. R. E. F. S. V. M. V. K. Y. P. A. P. Junkelgo US98250 T.V. L. Y. V. V. V. V. P. F. R. G. L. W. E. R. A. F. Q. T. S. L. M. Q. K. E. A. F. V. V. N. E. N. T. K. V. Q. V. D. Junkelgo US90260 T.V. L. Y. V. V. V. V. P. F. R. G. L. W. E. R. F. F. V. D. M. Q. K. E. A. F. V. V. N. E. N. T. K. V. Q. V. D. Junkelgo US08260 T.V. L. Y. V. V. V. V. Y. F. F. R. G. L. W. E. R. F. F. V. S. D. R. T. F. V. L. D. N. S. V. D. V. D. Junkelgo US08267 Junkelgo US08267 Junkelgo US08267 Junkelgo US08267 Junkelgo US08267 T. K. J. V. L. N. A. V. Y. F. K. G. D. W. T. P. F. D. S. R. Q. T. A. S. A. E. F. T. K. A. D. S. I. E. V. D. Junkelgo US08227 E. K. T. K. L. V. V. N. A. V. Y. F. K. G. D. W. T. P. F. D. S. R. Q. T. A. S. A. E. F. T. K. E. M. D. F. H. I. N. K. K. E. T. K. F. V. V. D. Junkelgo US08222850 Junkelgo US0822625 T. K. L. V. V. N. A. V. Y. F. K. G. S. W. B. T. S. E. T. K. E. M. D. F. H. I. N. K. K. E. T. K. V. V. N. A. V. Y. F. K. G. S. W. B. T. S. F. H. S. K. T. A. N. A. D. F. F. R. V. V. V. N. A. V. Y. F. K. G. S. W. B. T. S. F. H. S. K. T. A. N. A. D. F. F. R. V. V. V. N. A. V. Y. F. K. G. S. W. B. T. S. F. H. S. K. T. A. N. A. D. F. F. R. V. V. V. N. A. V. Y. F. K. G. S. W. B. T. S. F. H. S. K. T. A. N. A. D. F. F. R. V. V. V. N. A. V. Y. F. K. G. S. W. B. T. S. K. T. K. K. V. V. S. F. H. I. S. K. K. K. V. V. V. N. A. V. Y. F. K. G. S. W. B. T. S. K. T. K. K. V. V. S. F. H. I. S. K. K. K. V. V. V. V. P. Junkelgo US00045763C4 T. J. Junkelgo US00045763C4 T. R. W. J. W. J. W. J. Y. F. K. G. D. W. W. J. Y. F. K. G. D. W. J. V. Y. F. K. G. D. W. J. V. Y. F. K. G. D. W. J. V. J.	UniRef90_K2AAM1	V S T N A Y F G N W F K O F D V T A T S D O K F W T P A T S V K P M
Junkelgo UP10003441F0C T.V.M.Y. V. V. N. F. P. F. K. A. K. W. E. K. P. F. N. P. G. S. Y. T.V.P. R. E. F. S. V. M. V. K. Y. P. A. P. Junkelgo US98250 T.V. L. Y. V. V. V. V. P. F. R. G. L. W. E. R. A. F. Q. T. S. L. M. Q. K. E. A. F. V. V. N. E. N. T. K. V. Q. V. D. Junkelgo US90260 T.V. L. Y. V. V. V. V. P. F. R. G. L. W. E. R. F. F. V. D. M. Q. K. E. A. F. V. V. N. E. N. T. K. V. Q. V. D. Junkelgo US08260 T.V. L. Y. V. V. V. V. Y. F. F. R. G. L. W. E. R. F. F. V. S. D. R. T. F. V. L. D. N. S. V. D. V. D. Junkelgo US08267 Junkelgo US08267 Junkelgo US08267 Junkelgo US08267 Junkelgo US08267 T. K. J. V. L. N. A. V. Y. F. K. G. D. W. T. P. F. D. S. R. Q. T. A. S. A. E. F. T. K. A. D. S. I. E. V. D. Junkelgo US08227 E. K. T. K. L. V. V. N. A. V. Y. F. K. G. D. W. T. P. F. D. S. R. Q. T. A. S. A. E. F. T. K. E. M. D. F. H. I. N. K. K. E. T. K. F. V. V. D. Junkelgo US08222850 Junkelgo US0822625 T. K. L. V. V. N. A. V. Y. F. K. G. S. W. B. T. S. E. T. K. E. M. D. F. H. I. N. K. K. E. T. K. V. V. N. A. V. Y. F. K. G. S. W. B. T. S. F. H. S. K. T. A. N. A. D. F. F. R. V. V. V. N. A. V. Y. F. K. G. S. W. B. T. S. F. H. S. K. T. A. N. A. D. F. F. R. V. V. V. N. A. V. Y. F. K. G. S. W. B. T. S. F. H. S. K. T. A. N. A. D. F. F. R. V. V. V. N. A. V. Y. F. K. G. S. W. B. T. S. F. H. S. K. T. A. N. A. D. F. F. R. V. V. V. N. A. V. Y. F. K. G. S. W. B. T. S. K. T. K. K. V. V. S. F. H. I. S. K. K. K. V. V. V. N. A. V. Y. F. K. G. S. W. B. T. S. K. T. K. K. V. V. S. F. H. I. S. K. K. K. V. V. V. V. P. Junkelgo US00045763C4 T. J. Junkelgo US00045763C4 T. R. W. J. W. J. W. J. Y. F. K. G. D. W. W. J. Y. F. K. G. D. W. J. V. Y. F. K. G. D. W. J. V. Y. F. K. G. D. W. J. V. J.	UniRef90_V8BUZ0 UniRef90_G3XGC5	A V A Y I L IN A II Y F K G V I W S T P F D P K E T K E K P F T T A S G S K Q Q V Q T A I I I T N A II Y F K G K W K T F F N P N G T K F K C F F S P T R N C V S T D
Jinkel90 DWWOS9 Jinkel90 DWWOS9 Jinkel90 WORNOZ2 Jinkel90 JWP1000236CE4 Jinkel90 JWP1000336CE4 Jinkel90 JWP100036ACE3 TR LI V V V N A V Y F K K G S W W D E F E T K K E D T A N A P F H G R W W W S W D W D W J W J W J W J W J W J W J W J	UniRef90_UPI0003441F0C	TVMV LVNH FEKAKWEKPENPGSTKSSPFLVGKKTTVKVP
Jinkel90 DWWOS9 Jinkel90 DWWOS9 Jinkel90 WORNOZ2 Jinkel90 JWP1000236CE4 Jinkel90 JWP1000336CE4 Jinkel90 JWP100036ACE3 TR LI V V V N A V Y F K K G S W W D E F E T K K E D T A N A P F H G R W W W S W D W D W J W J W J W J W J W J W J W J	UniRef90_W8BSP5 UniRef90_S9WZQ0	T AJL V L T N A II Y F K A N WR Y P F D P A Y T V P R E F S L N S V D K V R A R T V I Y I V N Y V F F R G I WE R A F O T S I M O K F A F V V N F N T K V O V D
JAIRGERO DEWWG8 JAIRGERO MONROS JAIRGERO MONRO	UniRef90_F7I645	I KII VI VINAII IYEK (3 () WEI KENKEI) I KEEKEW
JAINGRIGU JONO0223FCC4 JAINGRIGU JONO0223FCC4 JAINGRIGU JONO0223FCC4 JAINGRIGU JONO0223FCC4 JAINGRIGU JONO0223FCC4 JAINGRIGU JONO0223FCC6 JAINGRIGU JONO0224CC6 JAINGRIGU JONO	UniRef90_D6WWG8	TRAIVLINAILIY FKAN WSLIP FQLISILTSKRK FYKTASD SILEIVID
JAINGRIGU JORDOUZ23FCC4 JAINGRIGU JORDOUZ23FCC4 JAINGRIGU JORDOUZ23FCC4 JAINGRIGU JORDOUZ23FCC4 JAINGRIGU JORDOUZ23FCC4 JAINGRIGU JORDOUZ23FCC4 JAINGRIGU JORDOUZ23FCC7 JAINGRIGU JORDOUZ23FC7 JAINGRIGU JO	UniRef90_Q8CX67	HVALL VNATYFNGAWTYPFDENNTQERTFYKEDNSSVDVP
JAINGERGO SISEDO	UniRef90_Q6GLQ1	EKTKI I MAASFKGNWVYKFNESETKEMDFHI NKKETKPVQ
JAINGERGO SISEDO	UniRef90_M3XMW8	TKLVLVNAVYFKGSWEDEFRKEDTANAPFRLNKED <u>QK</u> TVK
Jinkel90	UniRef90_G3V5Q9	A V V I MV N Y I F F K A K WE T S F N H K G T Q E Q D F Y V T S E T V V R V P P O T I I V N A I V F Y G I WN Y P F N A S K T N N G Y F I T P H G R V K V K M
JAIRGE90_UPI00045763C4 JAIRGE90_UPI00045763C4 JAIRGE90_UPI00045763C4 JAIRGE90_UPI00045763C4 JAIRGE90_UPI00045763C4 JAIRGE90_UPI00045763C4 JAIRGE90_UPI00045763C9 JAIRGE90_UPI00045763C9 JAIRGE90_UPI0003145E85	UniRef90_B3N728	VLI VVLNALYEKGQWQNQFDPSKTKKVSFHISKQKSVPVE
JAIRGE90 UP100045763C4 JAIRGE90 A9FD28 JAIRGE90 A9CD28 T R L V L V N A V Y F H A Q WK T A F IV K D A T Q P G T F IL R G D G S D V A V T J A Q WK T A F IV K D A T Q P G T F IL R G D G S D V A V T A Q WK T A F IV K D A T Q P G T F IL R G D G S D V A V Y V F H A Q WK T A F IV K D A T Q P G T F IL R G D G S D V A V Y V P F A Q WK T A F IV K D A T Q P G T F IL R G D G S D V N Y V V V N A I I H F K G E WK Y Q F P K S A T R D D D F Y L N E IV D S V R V P JAIRGE90 A0A034VP18 JAIRGE90 A0A0034VP18 JAIRGE90 A0A034VP18 JAIRGE90 A0A034VP18 JAIRGE90 A0A0034VP18 JAIRGE90 A0A00034VP18 JAIRGE90 A0A0034VP18 JAIRGE90 A0A0034VP18 JAIRGE90 A0A0034VP18 JAIRGE90 A0A0034VP18 JAIRGE90 A0A0034VP18 JAIRGE90	UniRef90_UPI00032AE3C6	TRILILVINY FSLIQGK WFQDGQEALIPVQEDFYVEEKKAV LVIP
JAINER99	UniRef90_UPI00045763C4	TRILVIVINAILIYEKGTWKHKESODNTSIVITKETKSDGSIVI I <mark>H</mark> II IP
JAINER99	UniRef90_V9KR25	TRMVLGNALYFKGVWKLPFPEEGTHVRAFHREDGSDVAVT
JAIRE190_Q8CX66 JAIRE190_P9W2V9 JAIRE190_P9W2V9 JAIRE190_P9W2V9 JAIRE190_P9W2V9 JAIRE190_P9W2V9 JAIRE190_P9W2V9 JAIRE190_P9W2V9 JAIRE190_P9V7C1 TALL LINTY FREE LYRE DWR A KFDKSKNQSKEFTKADGFKLIP VP QUID JAIRE190_P9V7C1 TALL LINTY FREE LYRE DWR A BLIK H KE DFF VD ERTTY VQ VD JAIRE190_P9V7C1 TALL LINTY FREE LYRE DWR A BLIK H KE DFF VD ERTTY VQ VD JAIRE190_P9V7C1 TALL LINTY FREE LYRE DWR A BLIK H KE DFF VD ERTTY VQ VD JAIRE190_W5N5Q6 JAIRE190_W5N	UniRef90_Q7ZVL5	I RIL VIAIVIN SILIE E K GILIWK S R E O P O S I K P R S E I A G D G N I Y KIVIP
JAIRE190_Q8CX66 JAIRE190_P9W2V9 JAIRE190_P9W2V9 JAIRE190_P9W2V9 JAIRE190_P9W2V9 JAIRE190_P9W2V9 JAIRE190_P9W2V9 JAIRE190_P9W2V9 JAIRE190_P9V7C1 TALL LINTY FREE LYRE DWR A KFDKSKNQSKEFTKADGFKLIP VP QUID JAIRE190_P9V7C1 TALL LINTY FREE LYRE DWR A BLIK H KE DFF VD ERTTY VQ VD JAIRE190_P9V7C1 TALL LINTY FREE LYRE DWR A BLIK H KE DFF VD ERTTY VQ VD JAIRE190_P9V7C1 TALL LINTY FREE LYRE DWR A BLIK H KE DFF VD ERTTY VQ VD JAIRE190_W5N5Q6 JAIRE190_W5N	UniRef90_A0A034VP18	TRVVLVNAI HFKGEWKYQFPKSATRDDDFYLNEVDSVRVP
JniRef90 - F9W2V9 JniRef90 - JUP10003333808 JniRef90 - JUP10003333808 JniRef90 - JUP10003333808 JniRef90 - JUP10003333808 JniRef90 - JUP100032 JniRef90 - JUP10003314878 JniRef90 - JUP1003314878 JniRef90 - JUP10003314878 JniRef90 - JUP1003314878 JNIREf90	UniRef90_Q8CX66	<u>H</u> V A <u>F</u> L <u>L</u> N A <u>T</u> Y F N G N W K Y P F D E N N T Q D G L F H L D E S S T <u>T</u> E V P
JniRef90_UP10003333808	UniRef90_W0EW83	L V ML L M N A L Y F K G D WR A K F D K S K N Q S K E F T K A D G T K I P V Q
Jurike190	UniRef90_UPI0003333808	TVIVIVINAVYEKAKWEKSED <mark>C</mark> ENTVDAPESIISENEKKTVK
Jurike190	UniRef90_F0YTC1	AL MYLINAI AFDAEWENI YKENEVRADVFTTESGSEQI TE
JniRef90	UniRef90_I3JIL1	TRILVLLINAILIH FQGILIWKII IPFDPKILITQERMFHCANGSTIVIPIVIH
JniRef90_UPI0003476D379	UniRef90_W5N5Q6 UniRef90_UPI00042C0B22	TRIL V L V N A II Y F K G D W E K K F N E A A T R E A P F H L N K N E T K P V Q
JniRef90_B5DFQ5	UniRef90_UPI000476D379	D L M Y L
JAIRE190_UP10003314B78 JAIRE190_G3W2E9 TR	UniRef90_Q0IEW1 UniRef90_B5DFQ5	I K L V L V N A I H F K G I WT H Q F N P E S T R P M P F W L S E T E S V D V P T R L V L L S A V H F S G K WT V P F F K A T H Q R P F Y R S D G S H V Q V Q
JAIRE190_UP10003314B78 JAIRE190_G3W2E9 TR	UniRef90_UPI0003315E8F	VTLILINYVEETGTWEHLENPEDTRÜGDEYVDDTTVVQVP
JAIRE690_W5N9L0 JAIRE690_L0P1000388A778 JAIRE690_L0P100038145E5 JAIRE690_L0P100033145E5 JAIRE690_L0P100033145E5 JAIRE690_L0P100033145E5 JAIRE690_R6BZN8 JAIRE690_R6BZN8 JAIRE690_L0P100046B6745 JAIRE690_L0P100046B6745 JAIRE690_L0P10003318A21 JAIRE690_L0P100046B6745 JAIRE690_L0P1000318A21 JAIRE690_L0P1000318A21 JAIRE690_L0P1000318A21 JAIRE690_L0P1000318A21 JAIRE690_L0P1000318A21 JAIRE690_L0P10003A18A21 JAIRE690_L0P10003A18A21 JAIRE690_L0P10003A1BA21 JAIRE690_L	UniRef90_UPI0003314B78 UniRef90_G3W2E9	TRIVIVINALIVEKGTWKOKEREETTOPMDETVKDGSVVKVP
JniRef90_D4MJS5 JniRef90_F7CVU6 JniRef90_R6BZN8 JniRef90_UP10003318A21 JniRef90_UP10003318A21 JniRef90_UP10003318A21 JniRef90_UP10003318A21 JniRef90_F7GRJ7 JniRef90_E9J1B9 JniRef90_E9J1B9 JniRef90_W5JPR6 JniRef90_P19104 JniRef90_P19104 JniRef90_D19104 JniRef90_D19	UniRef90_W5N9L0	TRLVLLNAI HEQGRWMVPEDPKLTQERLEHOPNGSLVSVP
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JniRef90_R6BZN8	UniRef90_UPI00033145E5	I RILLI IN YIVIE EKAKWKOPEHRYOLKOGRILISIVID EKI SIHILIP
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JniRef90_UP10003ACACEF	UniRef90_W5JPR6	DGI VI VISAIVIH E H G R W S H P E R O D N T R II IM P E WIVIS N A D S K E IVIP
JniRef90_UP10003ACACEF		TAMVLVNAI AFKGLWEKAFKKENIKEEAFWLNKSTSRSVL TAMVLVNAI AFKGLWEKAFKAFDTOTI PFRVTFOFSKPVO
JniRef90_UP10003ACACEF	UniRef90_B3NAL4	T S A V L V N A I Y F K A D WQ S S F P D Y A T Y A S D F V N H G G R K V S V D
JniRef90_11JQ80	UniRef90_J3JFT0 UniRef90_UPI0003ACACFF	ELLI KIL VIN AIVIY F K A N WQ Y E F D E A A T E E R P F T A L D G S T A D V P T A MV I F N H I F F K A K W F K P F N F D A S K S F P F I V G K G T T V O V I
JniRef90_11JQ80	UniRef90_H2LA83	MV LML LNYLYFKGT WEQKFPKEMTYYRNFRLTEKTSVRVP
JniRef90_C1BVQ4	UniRef90_I2ETU3 UniRef90_T1.JQ80	I RILLI I INIVI IYEK GIVIWS A PEN QAILII NERNED QILKSII I IPMMR
JNIKE190_K4F104	UniRef90_C1BVQ4	TVTVFVNAI YFKGSWKSKFDSKRTKNRDFYVSPNQKI QVP
JniRef90_S9X5F1 T K I L V V N A A Y F V G K W M K K F P E S E T K E C P F R V N K T D T K P V IQ	UniRef90_K4FT04	TIL L MIL L N C L Y F K G T WE N K F P V E K T Y R R V F R V S E K V T V K V P T R I V I V S A V Y F K G N WA K P F I K G R T M F G I F N V C K N V O K P A I I
	UniRef90_S9X5F1	TKI L VVN A A Y F V G K WM K K F P E S E T K E C P F R V N K T D T K P V Q

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MMY QK K K F P F G Y I S D L K C K V L E M P Y C M M T H T G L H K L A F L E E L L A H V L E M R C S M M H L K G R F Y F G D I S K L D A T V L Q M P Y F M M H L K G R F Y F G D I S K L D A T V L Q M P Y F M M H K M G E Y K I A T I L E E H D C Q V L E L P Y F M M H Q T G Y F R Y Y E C T K H N V K F L E L P Y F M M H Q T G Y F R Y Y E C T K H N V K F L E L P Y F M M A Q R H S F S F V F L E D Q A K A I V G I P Y F M M A Q R H S F S F V F L E D Q A K A I V G I P Y F M M N V E E Y F D V Y Y D Q A I N T T V L Q L P F F M M N V E E Y F D V Y Y D Q A I N T T V L Q L P F F M M M N V E E Y F D V Y Y D Q A I N T T V L Q L P F F M M M K Q R S S I K H L L D P E L P C Q V V Q L D H S L M Q Q E L E A N Y A D L P T A Q A V E L P Y F M M K R H A K F K M G H V D E V N M Q V L A L P Y S M M K R H A K F K M G H V D E V N M Q V L A L P Y S M M Y G K G Q F R I G F I L P E L K S Q A V Q L P Y S M M Y Q K K K F P F G Y I K D L K C R V L E L P Y F M M Y Q K K K F P F G Y I K D L K C R V L E L P Y F M M K Q R N H F N F A L L E D V Q A K I L L E I P Y F M M K Q R N H F N F A L L E D V Q A K I L L E I P Y F M M K Q K Y S L S W F T L D P L E V Q V L E L P Y F M M K Q K Y S L S W F T L D P L E V Q V L E L P Y F M M M R Q T N E F N F I F L E D V Q A K M V E I P Y F M M M R Q T N E F N F I F L E D V Q A K M V E I P Y F M M M R Q T N E F N F I F L E D V Q A K M V E L P Y F M M M R Q T N E F N F I F L E D V Q A K M V E L P Y F M M M F Q E D M F K L A Y V N E V Q V Q V L V L P Y F M M M F Q E D M F K L A Y V N E V Q V Q V L V L P Y F M M M F Q E D M F K L A Y V N E V Q Q Q V L V L P Y F M M M F Q E D M F K L A Y V N E V Q Q Q V L V L P Y F M M M F Q E D M F K L A Y V N E V Q Q Q V L V L P Y F M M M F Q E D M F K L A Y V N E V Q Q Q V L V L P Y F M M M F Q E D M F K L A Y V N E V Q Q Q V L V L P Y F M M M F Q E D M F K L A Y V N E V Q Q Q V L V L P Y F M M M F Q E D M F K L A Y V N E V Q Q Q V L V L P Y F M M M F Q E D M F K L A Y V N E V Q Q Q V L V L P Y F M M M Y R T D P L R H S E V S E L L A T M V K M P Y F M M M Q H F D H F N Y Y S S E D L K
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K N S D L S M V I L L P

K G D D L S M V I L L P

K G D D L S M V I L L P

K G D N W T M I L P N D

K G S C S M L L V L P

K G S C S M V L L P

K G S C S M V L L P

K G S C S M V L L P

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MMQKTERMUYSRSEELLATMVKMPYRGNVSLLLV

MMQKTERMUYSRSEELLATMVKMPYRGNVSLLLV

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MMYQKKERNI
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UniRef90_USJPR6
                                                                                                                                                                                                                                                                                                                                                                                                                                                   F M K Q K G T F H Y M V N D D L G A Q I L E L P M M S H E D H Y Y Y F L D R N L S C R V V G V P T M F N K F K F S Y G E I P T W H T T F I E V P M M K I S E Q F A Y K N F D D E G F T A L L L P M M T L K H S F S F T F L E D L Q A K I V G I P M M Y Q I G S F K V A S M A S E K M K I L E L P T M F Q E D F F R F G E L P E L K A K A L E L T T M E L T E D L Q Y A S V D G H Q L V E L P Y M M H Q V E Q F A F G V D L E L N C X K D Y M M A N K G N Y L A A A D H E L D C D I L Q L P M M S M T E K L K Y T K R P N Y Q A L E L A Y G S I S S I N Y H C D Y V N V Q A C V V E K L Y S M F A P K I E V G S S Y I E S L K S E I I L P M M H T K G N F L T A V D P E L E C D I L Q L P M M Y N W S T F K T A C I A E I C S Q I L V L P M M N T E A T F C M G H I D G I N C K V I E L P
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UniRef90_UPI0003C397D2 UniRef90_UPI00042BF121	D D E L E R K I T Y E H I VA WS N S E N M S E K M V A V P Q F T L E D S Y D L T G L G E S K L K T F S L K E L R E E M F S T T V M V E M P K F K T E Y E I E L T T Q L E K E L T Y E K L T T W I S P D H E D E V E V S L P R F K I E T S A Q L
UniRef90_B6ZAZ6 UniRef90_B4J3Z7	EGLAAVEDDISTYLKTPPYKHENVE VSLPKWLVETTIQL LKQLEQQLKGVDFKLLEERWQWQSVAVYLPKFKFEFDTDL DEKI VDKMSPEKLVEWTNPGKMETRNVHLPRLQVQDSYDL
UniRef90_UPI000333B0BB	DEKI VDKMSPEKL VEWTNPGKMETRNVHLPRLQVQDSYDL MATLEQAISPAHVAKWLKWKKSRKYDVYVPKESIKTSYKL
UniRef90_H2MB90 UniRef90_I3LXJ5	MATLEQAISPAHVAKWLKWKKSRKYDVYVPKFSIKTSYKL MDTVIAALSRDMMKRWSMSLARSQVHLYIPKVSLSGTYDL
UniRef90_I3R703 UniRef90_G4H7Q3	FESFEQNLDTSRLFGIFQELSRAQGTLVFPRFEFETEVQLSLATLHQELWEDASAWEEGFSYETVKLSLPRFKAEQSFELTDLVEKALTYEKLRAWTNPETESQVQVFLPRLKLEESYDL
UniRef90_O08800 UniRef90_F7DMU0	O H S O N K S I I I F O I I I F T I I S A I I K N K Y R F R M R I I S I I O R F N T I I I P S N K I I I
UniRef90_Q6J201 UniRef90_D3ZPF9	VQSSLSLSQVSGWI SNVQSAAPQTVDVFLPRFKVSQKVNM EDELEKKI NHEKL LAWSNPENMSEKPVSFPQFIMEDSYDL APQLIRALSVRTI LTLLKKLSPHQVKLRLPKFELSTKYKL
UniRef90_B7PX81 UniRef90_G1K1L8	A P Q L T R A L S V R T I L T L L K K L S P H Q V K L Ř L P K F E L S T K Y K L Q D E
UniRef90_G1SZH3 UniRef90_G3VRY9	LQKLEEQLTAEKLIKWMSSQNMKKTYVHLPKFKIEEKYEL ESALTNILDAQLINQWKGNMTKLPRLLVLPKFSLESVADL
UniRef90_UPI00038C0CC1	<u>LIE EIVE K QIVIT A G H LIQ R WLIS EIL Q E K E VIE IVIS LIP R F K T E Q K LID F</u>
UniRef90_M7CAZ4 UniRef90_B4NWU8	WNVSQVLVNLSHDKLHSRFLKEKPTMVKMPKLHVDYQLEL DGLPELE KKIPGFPLNLRHTKVGLRLPKFKLEFSDDL
UniRef90_A9GEN7 UniRef90_A8PHV8	LAKVEQRLAAGELKAYVEALQPARVOVALPRFKMTAELEL LQNVLRNLTGRDLLSYLSSATPNDVSLKLPKFRLEGKMDL LKKLEEKLSADTLLAWTSPKNMRMTQLNLPRFKVQEKYDL
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UniRef90_K2AAM1 UniRef90_V8BUZ0	DIKKLEALNSVISD <mark>C</mark> QQKTKNRMNVVVSIPKFKIETTYSL
UniRef90_G3XGC5 UniRef90_UPI0003441F0C	VGDVIGGLTADRWIENLNALTSYKVDVELPRFESEYKIEL NNVRTRDMQHAQLHMVIDALKPTDLILEIPKFEIDYETDL MKQLEQALSARTLRNWGH
UniRef90_W8BSP5	WARLEQUESAATVQRERGSLKENTVDLVLPTFKIEFDLSL FDSALRQMTAKRARLEKTSDFRLVH LVLPKFKISSTLNL
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UniRef90_D6WWG8 UniRef90_W0RN82	DGLARLETQLESVFVPQHQLKSTFLNVVLPKFRIESEIDF VDDLVASLGPAKWQQVVDSLKPQDMQLYLPRFTMRYEDEW
UniRef90_Q8CX67 UniRef90_Q6GLQ1	VDDLVASLGPAKWQQVVDSLKPQDMQLYLPRFTMRYEDEW MNDFLEGFTLENWQEWRDSMETQKGNLRMPKFSLEYETEL EDDSEQDMTFEKYAQWTNPSMMSKVKVYYLPKFKLESSFDL
UniRef90_UPI000223FCE4 UniRef90_M3XMW8	EDKI EEQLTLEKLHEWTKAENWVEVNVHLPKFKLEESYDL
UniRef90_G3V5Q9 UniRef90_B5IED0	MQQVENGLSEKTLRKWLKMFKKRYFQ — — — — — — — — — — — — — — — — — — —
UniRef90_B3N728 UniRef90_UPI00032AE3C6	D C D E
UniRef90_UPI00045413F8 UniRef90_UPI00045763C4	MRHLEKGLTHEHFEDLPGHVGARPARVYFPKLSISGTYNL LEEVEKRVTAHHIQRWFSELHEEEVEVSLPRFKTEQKLDF LTELEKLITPQIVENWLSTLAEEDVEIYLPRFKTEQKLDL
UniRef90_V9KR25 UniRef90_A9FD28	MRHLEKGLTHEHFEDLPGHVGARPARVYFPKLSISGTYNLLEVEKRVTAHHIQRWFSELHEEEVEVSLPRFKTEQKLDFLTELEKLITPQIVENWLSTLAEEDVEIYLPRFKTEQKLDLREPLTNILTSHLVTTWTQSMKRVTRQLVLPRFSLESETDLTDAFEESLDGAALEALIDSTYQQPVDITMPKFSFGTSTSL
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330

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V N E Q G T R A A A V T T A V V I P L
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V T E E G A E A T A A T G V
V S E E G V E A A A A T Y V L I
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V T
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UniRef90_F7DMP5 UniRef90_UPI000462AEC0	MDAL IRIL IANSAFAIVDIL IFKQLICDKGTTDNIVLIFSPILICIL IST
UniRef90_UPI0002888AF3 UniRef90_H9LD39	F V E A E R S F G F D L F R M S D H G R M D N L L L S P Y S L Q U E R F A L A S N H F G L E L L Q L F G N D A E N L F S P Y S L A V U T T T T T T T T T
UniRef90_G5E3U3 UniRef90_X2J6N0	F F A II ID F Y K II I I A S K Q D T F N II I F M S P II ISII IS Q
UniRef90_D7NSE1 UniRef90_H3FA37	S L N S R L N Y F D T D L L R Y A A E D R P G N I M L S P A S I K S S G I T D F G F E L Y R Q L A P P Q S P E N F F F S P Y S I W T S A S T D F A L A L L R A S S G H A E N F V I S P F S L G A
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UniRef90_R4KLY4 UniRef90_G9F9J6	DKÜYTÄ <mark>Č</mark> NTSGÜQLLQKISAÄNEGKNTIFSPVSFÄT LSADIAKFAAKFVNEL DKSKSVV <mark>C</mark> SPLSAEF
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UniRef90_D3PFS1 UniRef90_G5B600	S L A H G S H K F G S E L L L L Q T T T S E Q N A W F S S Y S L S S
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UniRef90_UPI00038E9C5E UniRef90_T0KXJ3	CHNVFYNVFDLAFAFYREPASRSKTANTLLSPISIVT MSNLNISVVKFAYNLFIFFKHNDDENVIFSPYSIHN
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UniRef90_UPI000441AA42 UniRef90_V9VJE7	VMATLHLIGAKGHTAEQILAEIVIFHFNPSLETQSNI HSRFQALI AFGMAYTGARGSSEAEGSVLGHNAVGLVDRARVLATYKNL
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UniRef90_S9PJ78 UniRef90_A5N921	ALLAMVYAGARGNIESQMAQALHFILIPQERLHPAVNALIDLIA ILLAMTQNGAAEETKQEMLNCMGLKNISDSDINKQYY S
UniRef90_Q68FT8	I L A MT Q N G A A E E T K Q E ML N C M G L K N I S D S D I N K Q Y Y S A L S H L A L G A R N Q T L E N L Q R V L H M N M G S C I P H L L T L I Y D T S F G N A V S N T K R E L S S V I Q N D N I D H T R S Y Y K Q L
UniRef90_Q005N3 UniRef90_UPI0004548C9A	ALAMV FMGAKGNTASQMIQALSLDKCSGNGGGDVHGFQSL ALSIIHDGANGNT QKELTNLLLNGCTPSDVTNLYSSLS
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UniRef90_O17365	GLALIHA GACGST QKELEDVLG GSRIFEEFSGL
UniRef90_W9DQC4 UniRef90_Q8R9P5	GLALIHAGACGSTQKELEDVLG AVAMCYDGAENSTKEQIANVFYFPLNKTVLGMSS KDL ALAMTANGADNETLAQMEKALG KDLSIEDLNKYLYTY
UniRef90_M0HFV1	AIL IA M T Y A G A R G E T R K Q M E EIV L IH Y T IL IG E DII IH P A F S D IL IQ S A IL I
UniRef90_F7DMP5 UniRef90_UPI000462AEC0	SL SLA QVGTKGDTANEIGKVLHF ENVKEVPFGFQTVVLAMLQAASGGGTRSQLEAGAGFRLRERGVPRALRQLQKT
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UniRef90_R4KLY4 UniRef90_G9F9J6	V LAL LALGAT DNAHDEL LITSUGI PDDDSI RSSFSSVSSKL
UniRef90_L5L892 UniRef90_UPI0002746E51	ALAMVFLGAKGNTAAQMAQALSLNTEKD IHGSFQSL
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UniRef90_B2A7B4	ALYMTYSGADGETKEEMETALKUNGLDSEELNE QMH
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UniRef90_B4MJS2 UniRef90_UPI000454133B	
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| NOT 
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K Q L R D V F D
R V L S F Y Y N
E L A V C N Y K
D N A K R L Y G
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UniRef90_C0LF31 UniRef90_UPI0003C4664B UniRef90_UPI0003C8E2F8 UniRef90_F4W5U0	SEVSPT DF SDSPT ARKRUNS WVENVITIGET KET L PEGSTON SEVSPT DF SDSPT ARKRUNS YVEKET KGKV VDL I QDLEPQ GKI TELL SPVNSL T DVINANUS DT HT I ATKINS WVN NITNGHIEK MIDDEKED
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UniRef90_Q2PQP9 UniRef90_T2J801 UniRef90_G3MFE9	LDL N RL D F S T N Y Q A A N V I N S WV A K K T E RL I Q N I V S S F N A E A K I S N L D F S S S E A G G I M N R WV K E E T Q G Q V R K I M D S T Q A D A T V G S V D F I N N F F S R R O V N A WV F R A T K S K I S D II I P K G S V N
UniRef90_H0Z0W4 UniRef90_R6BYQ0 UniRef90_H3FYG7	GEVEADFASQPESVVKELNQWTSEKTEGMIEKIVSYLPED TSALNMDFEDGNACANDANSFVNFSTRGMIEKIVSYL
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UniRef90_G3V8X9 UniRef90_S9PJ78 UniRef90_A5N921 UniRef90_Q68FT8	T C M V A D E D T D C T C D E D
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UniRef90_G5B600 UniRef90_U6NUH0 UniRef90_H3F1N8	LEPQEDFQK <mark>C</mark> AEESRKEII NSWVNTQTKGHI PNLLPEVDEA
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UniRef90_G3I295 UniRef90_UPI0003C8E6A9 UniRef90_L7LQN4 UniRef90_UPI0003C81B75	SKAIPADFKDTQKAQEQINEYVEGVTQGKIVGLVKDLEKGTECVPMNSHSASQAKGLLNSYINKETQEKIPKFFEEINPETSVGTVDFKERYDVRVESNAWVSKHTGHNIKNLLPPINADAEVSSINFRDPDTAKSLINDYVKNKTQGKVVDLFKRLDPLTELKTTNFFKPEVAAREINNWVSNATQGKIPNLVEADDVA
UniRef90_Q867T1 UniRef90_G9F9J3 UniRef90_UPl00038E9C5E	A F A F S II ID F N N A () N A A D R II IN A WIV IA D N I N N R II IK N II IA S M F D F Y
UniRef90_T0KXJ3 UniRef90_UPl0003332A9E UniRef90_UPl000383C3E4	SRVISISFKDTKRAKEQINNHVERETHGEIVGLTKNLEED TKIKSFDISKKSKSLKLINGLISKSTNDLIPEMILELPQN TRVFLVNLGNSQIARNQMNYAIRKQTGGKVRTLLQEPKDP ASVESADFKNAEESRKMINSWVESQTNERIKDLFPKLDSS SRLQTIDFTKLTQAASLINHYVNQTTRGLIKNIVSEDQAE
UniRef90_J9PCS4 UniRef90_G5BH04 UniRef90_G0NEJ4 UniRef90_T1F7J8	A DIVIES VID FIVINSEES QKKII INT WIVIEK QT H DKII KEII F P NIL H S D A A A E L D F V S T D S A DKII N S F II R E S T Q K K I D N L V S S E S S D A GI E D V D F V S S D K V T S L I N E WIVIER O T K N K I K H I I P R I N A II
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UniRef90_M3YNY6 UniRef90_A9SB17	T V
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UniRef90_G5B600 UniRef90_U6NUH0	TKMVLVNAVYFKGKWKTPFEKRPTRLYPFRVNRTQHIPVK GAYSLVNALYFTAEWNFKFDKESNSKGPFYSSAGKEREVF
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UniRef90_M7BWB5 UniRef90_A0A023FL93	T MY QKSSFK MAS CDDLDVT ALEIPYQGGKTS MVVLLPNDI
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UniRef90_J9JUU5 UniRef90_A0A026WT44 UniRef90_G1KZD8	MMTLTRDFQYLHDTKFKALELPYKHHGFKMTLLLPDDKNG TMFKKSKYTHGELPAWNTKYIEIPYMNQDIVMIILLPDRE TLYLSAEVNYGEDSLERISVVELPYLGETVSMFVVLPRTS
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UniRef90_B3MGQ6 UniRef90_UPI0003D0C5FF UniRef90_M9ZRP7	MMHQTGTFRTHILQDWSGQVVELPYRNSNLSMLIFLPNDA LMYQQGRFKMAHVQEINAQILELPYNKKSLSMIILLPDDI MLIRRKLNYKFSDDLQSHIILMPYVGNYRMVLLVPKETDG
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UniRef90_M0HFV1 UniRef90_F7DMP5	K K ALLS DILIGM PIVIA FERA AN FS GMD G Q Q NILIKI ID DIVI <mark>H</mark> HEA FIVIS K TIVI I E SILIGM K NIVIED E S T D E S GILIS E T K GIVIALIS NIVI H R T <mark>C</mark> ILIE
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UniRef90_B05N3
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UniRef90 W5Q0S7
UniRef90 W5Q0S7 UniRef90 Q4T0G7 UniRef90_W5Q0S7 UniRef90_M9ZZE7 UniRef90_F7DYV2 UniRef90_U3JVT3 UniRef90_Q5DW60 UniRef90_A1Z6R3 UniRef90_F1L9C3 UniRef90_UPI0003C84382 UniRef90_UPI0003C8EEC2 UniRef90_D4M911 UniRef90_H2TG62 UniRef90_D4A392 R E R M D G Q D D L N E L H K E N A L H N L N K P K S I L M L N K D H S Q P V L N D A N R V W L M K G L A P R S G F G D V L S R D P Y A L S V A N R L Y G E Q S Y Q F V E K F D R K C N C F H Y C L R I A N R L F A E N T C K L V P T Y K E S C L R F E L Q I N T G N V V Y L N K G C E P I Q K F I D D A K L Y

UniRef90_W5KWW7 UniRef90_D6WWI0 UniRef90_UPI00032B0410 UniRef90_H2XAQ5	130 140 150 160 SVPHQVDFSQPKTAQQVINAWTSDRTGGMIPNFLPSLSQQ AGLENIDFERKEEAAQAMNQWVEEQTEHKIQNLISNLNSR IEPQAVDFKCAEEARKKINSWVNTQTKGKIPNLLPEVDTE ASAETLNFSEAEEAAQKINTFVEHSTSGKINKLVSPDSKD)
UniRef90_H2LZW0 UniRef90_S7TUU2 UniRef90_S4Q008 UniRef90_K4BV31 UniRef90_J9CSX3	A E I F T G G I D A E I F T G G I D A D L VP V D F S N S Q S A A D T V N K W V N Q R T K G L I P Q I V E D I N P T A A S E Y V D F Q N A A E V V D Q V N Q W T K M K T N G L I E E I R D A V D N M A E V Q N L K F S D P Q S V R R I N Q W T Q E Q T Q G R I S R V L D K A Q G D	
UniRef90_A9RQJ6 UniRef90_D2VPM2 UniRef90_B3MGQ5 UniRef90_K4AAX4 UniRef90_F6EGA4	SEĀASVDFHKADEĀLAKVNEWAKEATHEKIEELLPTGSVD VSVQSNFVGNSNEERLKINEWVEKQTNNLVKNLSSSIDSS TKAEPLEFADPASATTHINEWVEKQTTNLVKNLSSSIDDS TKAEPLEFADPASATTHINEWVEKETEQRITNLPDAVDA AETQSDFQKKAAQVAAQVNSWVEKVTSGLIKELLPPDSVD AEAQNVDFTSPE AVETIDTWVEENTAGRIDQLFDELDPE AEVRPLDFASPRSPKV INDWOARQTRKRIPQIVDRIPSD	
UniRef90_W2D1M2 UniRef90_A9KID0 UniRef90_J9K796 UniRef90_X1R7Z1 UniRef90_Q7TMB9	SEVRS VDF SNPT SGESELNK WVSTKT NGKI SGI FKPGELK	
UniRef90_U3IV19 UniRef90_X1DNN3 UniRef90_M5XDT7 UniRef90_G3VEM4 UniRef90_A9FUE0	A K P V S L S G S S E D D L E A I N Q W V K E A T N G Q I P T F L Q Q L P G N A G L R R D F I F A P E G A R R D I N A W V N D A T E G K I K D L M G P L T P D A A L Q V D F Q T N A A E V A S G V N S W A E K E T S G L I K E I L P P G S V D S K M E E L D F V N S E E A R K H I N K W V E E K T E G K I V E L N G S I D Q L A G M R V V D F V H R Q E S V D L I N G W V S D Q T E G K I E K L V P V I T A E	
UniRef90_W5NTJ5 UniRef90_B4NKS9 UniRef90_G0NEI1 UniRef90_G7J5S4 UniRef90_C0J8G1 UniRef90_Q28921	S A I K L V D F Q N A K A C A E T I S N W V E S K T D G K I K D M F S E F G P L E I A Q M D F S S H P D E S R I A I N N W I A N V T E N E I R E T L A E G D L D A K T A S I D F K K S Q E A A K L I N D F L S E S T K G K I S D M I K P D N K D S N T A S V D F V N A S E G R K E V N L W A E K E T N G L I K D L L P D D S V D S E V P V N F G N N G V A Q Q I N A W V N G K T K G L I P S I V D Q I N A S N F R D S E A A R S L I N D Y V K N K T Q G K K E E L F K Y L S P R	
UniRef90_G3HBC1 UniRef90_P36955 UniRef90_UP10002B4B5BE UniRef90_Q70W32 UniRef90_E1BWU2	GKVLRSNFRDMEATTQLINNYVKEKTRGKIRDLVSGLTPDTRP RVLTGNPRLDLQEINNWVQAQMKGKLARSTKEIPDEGKLNIVDFVNKRREVMEDNAWVKEQTRGLIPEILKDIDESADPVKLTNT SEVNVEMINSWVAKQTNNKIKELVDSVPAHCSVKSVDFEDPNTACDSINQWVKNETRGMIDQVVAPDDID	
UniRef90_UPI00042CA504 UniRef90_G3MF92 UniRef90_UPI0002B43992 UniRef90_UPI000395BECB UniRef90_UPI0001E2C2D5	A S L E P V D F V N A D E S R K K I N S W V E S Q T N E K I K D L L P D L S S S A T I E S V D F R N N Y E S R Q Q V N A W V E K S T E S K I K D L L P S G S V D A T L Q A D F H T K G E E V V L E V N S W V K D K T K G L I T D L P G S V D R L S S L L Q T N L T D P N T T H I Q G W I T T D L A D R G M T L E S A G S S F A A I Y K S A F D S Q T V K D I N N W T K K S T D N M I D K V L D R I D G D	
UniRef90_B0WIA8 UniRef90_E3LZK9 UniRef90_F1R7F7 UniRef90_G7IW05 UniRef90_B3NAL7	YEHSKINFROKRSAINSI NEWAAKTT DGKLPEI TKOVKNT ATLLSDFKTKAVEVTKEGNLWAEKETNGLI KELLPPRSVD SRPMEIDFG SEQAASI INKWVAAQTNNLI KDI I GPLTKD	
UniRef90_K7GUX8 UniRef90_UPI0004405A72 UniRef90_UPI00032B1E26 UniRef90_I7MFX0 UniRef90_V8N3N7	A GT G Q L D F K N Q E N A A K I I N E Y I S D A T K G M I K D M I K A D S R D A S V E S A D F D N A E E S R K V I N S W V E S Q T N E K I K D L I F P E D S S F T E I F S T D F S N V S S A Q Q E I N S H G E K Q T K G K I V G L I Q D L Q P N M I Q K V N F A S D C E Q I R V E I N K W V E E V T K E K I K D L L P C L N Q S	
UniRef90_H9KIY5 UniRef90_W5UKG5 UniRef90_Q4T0G7 UniRef90_M5NXY5 UniRef90_J3JZ29 UniRef90_A0A023FPT3	VEPQTVNFQEADDARKEINAWIEQQTAGKILSLESSINPL SEISKVDFKNNVEASQKINAWVNEKTNNKIPYFVSSDNEN SKPAALTDLE EINEWVEKSTNGHVTDFLSSLPPN A VPTRLLETSEENTNMINSWVANKTNNKIQRLVDSVSSS NKDPQLAADEVNAWTAKKTGGHIDQIIDRVPPD TDVFPSNFTDTEATSATINAWASEYTGGAIKRLTEPDDRD	
UniRef90_Q292T9 UniRef90_F7B9A0 UniRef90_UPI00032B026A UniRef90_B0XAK7 UniRef90_W5LLV2	AHVFEDFVRQGQQAIDAI NSWVQGATHNKI EQLFNPIDTD SGIEPVDMGRSRETAGWI NAWVSDKTRNKI RELPSDI DGQ AEMEEDFKGATEQSRQHI NAWVAKKTEDKI TELLSSVNSN TRLQTVDFEKSTETRKKI NAWVESRTNGKVTNLFGEVDPS TNIERVDFGKTTETVARVNDWCSNITHGHLNELVTEDHKN AQVETVDFSESAAVAQHI NTWVQNHTESKI HDLVSADDFS	
UniRef90_UPI000443B1A5 UniRef90_Q4RGY1 UniRef90_W5JN83 UniRef90_I3KK73 UniRef90_A0A022QBP2	TRLQTVDFEKSTETRKKINAWVESRTNGKVTNLFGEVDPS TNIERVDFGKTTETVARVNDWCSNITHGHLNELVTEDHKN AQVETVDFSESAAVAQHINTWVQNHTESKIHDLVSADDFS SSLKPANLSEPSDTASQTSEQASGQATGESPGAPRWGEAS AEVETVDFSQPAAVAQQINSWVENRTEGKIGELAEDLSTI VPLQEMDFTNPRVAANEINHWVSITTREKITSLIDERSLN SSVVRTNFSQPNQTHSQLERAGHQQGSGEAQAEALWWGHR AASNHDFQTKADEVREEVNAWAEKETNGLIKDLLQPGSVD AKPVSLTGKQEDDLANINQWVKEATEGKIQEFLSELPED	
UniRef90_G1S5N0 UniRef90_E2ALG2 UniRef90_B9XLN7 UniRef90_Q005N2 UniRef90_A0A016W0H3	SDIQPODES QKAQAADII NI WOQEKINNRI NNI IQDLDPS SIKQVDEAT QSEAARQQI NGWAGQQTRGTI TNI EGELDSL ATTOSVDEODTOSAAAEI NAWIAONTRGKI QSI IPDI IQD	
UniRef90_B3P0R3 UniRef90_A0A016WXX8 UniRef90_UPI00033346AF UniRef90_UPI0002C6443B UniRef90_F6VZ83	AKIESLDFTQPEQAAKTIENFVSQVTSGKLQNIANADTKDETEELDFKNKPEICLKQINDWIAQKTHNQIRDMLSSEEINAKVESYDFRKAEETARTINDFVSKVTEGKIHDMLEADAVRTEAISINFTGTTEAKTQINNYIKQKALSEIPEVFSEVEKGSSLEPANLSKPISTIQD NEGASRQTTGEGPGGLTWERSDARLQTVDFEQSTETRKTINAWVENKTNGKVTNLFDTIDPS	
UniRef90_B2FX36 UniRef90_C5YXZ5 UniRef90_B3N2J3 UniRef90_W5Q0S7 UniRef90_M9ZZE7 UniRef90_F7DYV2	SEAESVNFAESAAAAKKI NGWVEEKTNNKI KDL I SPLDELAHTHSDFQKKAAEVAAQVNTWVEEVTSGTI KELLPPGSVDAEAVPINVDKN AAANI NSWVSGHTRNKI TELVSPGDI DSRLFCTNFKDSVIMTQL I NHHI REETQGKVVRALDMLNKYSTI KSDFKHNPEPSRLEI NRWVEDNTNNRI KDMLPSVDSNMKYVPVDFGDMAETRAL I NRHI EKETQGKI PVL LQDI EPD	
UniRef90_U3JVT3 UniRef90_Q5DW60 UniRef90_A1Z6R3 UniRef90_F1L9C3 UniRef90_UPI0003C84382	MRLRAL SGNIQLDLQEINIWVRQQIKGRIMRFMKDMPIDYDHSKINLRDKRSAVNSINEWAAKSTDGKLPEITKDVQNASKPMEIDFG SEQAASIINKWVESQTNNLIKDIIGPLTKDGQLQAADFKQAALVANEINTWVESQTNSMIKDLPDKITDDRILVLGPPVSKWGRRGRIGLPHHNPPSGKIKDLFPNIDSS	
UniRef90_UPI0003C8EEC2 UniRef90_D4M9I1 UniRef90_H2TG62 UniRef90_D4A392 UniRef90_M3XHF8	I NSYIEKKTKGKI MNLIQDLDPLGAAEELDFKDPEEARQRINGWVSDRTKGRITDLILDVPKESRISLCGLKQQSGTSTVFNLWLFANKRANVSDLFDSGTFTSEIEQSFAKAAEESRKHINTWVSKQTEGKIPELLSSDSSEAEVSNVDFQKSEETMQKINAHVKNQMHGKIEDLIKDLDND	

	170 190 100 200
UniRef90_W5KWW7	170 180 190 200 TRLVLLNALHFHGLWMTPFDPSLTMEMMFHGPNGS <u>TLP</u> VP
UniRef90_D6WWI0	TRSILINALYEKGNWSSPEKKELTKEEDEYKNGKOVAPVA
UniRef90_UPI00032B0410 UniRef90 H2XAQ5	TRMVLVNAVYFKGKWKTPFEKKLNGFYPFHLNSTESKPVQAFALLVNAVYFKADWLDKFEKNSTLDRDFYEADGKARQIP
UniRef90 H2LZW0	PAMTAI NSI Y FK GLWKS CFK PENTKMR PFHTADGS VISKVP
UniRef90_S7TUU2	SVCV L L N A V Y F K G V WE R R F A D E Q T H E A P F R L S S R E Q V T A R
UniRef90_S4Q008	S D A L I S N A L Y F K G L W K H A F N P K Y T R A G C F H V D N A C Q N A V L
UniRef90_K4BV31 UniRef90_J9CSX3	PAMTAI NSI YFKGLWKSCFKPENTKMRPFHTADGSVSKVP SVCVLLNAVYFKGVWERFADEQTHEAPFRLSSREQVTAR SDALISNALYFKGLWKHAFNPKYTRAGCFHVDNACQNAVI TRLILANALYFKGEWNEKFDASETKDHEFHLLDALPIRVP CLLLINTLFFQGAWTDPFDPADTRQENFYPTEGESHPVR QMTRVVNALYFKGAWKKPFEDEDTKHGEFFLLDGKSIQVP TVIVVNCIYFLGKWNCTFNVSETLSNQVFRTVNNGDTNSA
UniRef90_A9RQJ6	QMT RV VN ALY FK GAWKKPFEDEDTKHGEFFLLDGKS I QVP
UniRef90_D2VPM2 UniRef90_B3MGQ5	TVIVLVN <mark>C</mark> IYFLIGKWKTTFNVSETLISNQVFRTVNGDTNSA
UniRef90_K4AAX4	ETTRL VNALYFKGAWTEKFDASETRDSEFHLLDGSSVQAP
UniRef90_F6EGA4	TSAVLINALYFKGKWQKPFMPEATGKDTFFVDPETSIEVD ETTRLVNALYFKGAWTEKFDASETRDSEFHLLDGSSVQAP TIAVLANAIYMKAEWENQFSESATEDDDFTKADGSVVTVP AFLYLINAVYFKGTWARTFDRDDTQPAQFHKADGSTEKVQ
UniRef90_W2D1M2 UniRef90_A9KID0	TEMYLINAVYFKGTWARTFDRDDTQPAQFHKADGSTEKVQ TEMYLINAVVFDARWENVYVKNDESSEEF <u>T</u> AWNGTK <u>R</u> KVK
UniRef90_J9K796	KETVL V LA SAVHFQNLWKK QFA ETKNA SF <mark>C</mark> LTA TNHIDI K TRLVLTNA I YFK GN WDS QFEKA RTQPA PFTLT DGK KVNVP
UniRef90_X1R7Z1	TRLVLTNAI YFKGNWDSQFEKARTQPAPFTLTDGKKVNVP
UniRef90_Q7TMB9 UniRef90_U3IV19	T S M V L V N Y L L F K G K M Q Q T V M L L N A I H F H G F W R N K F D A A F T S P D L F H L D D D F V V S V E
UniRef90_X1DNN3	TRILVI ANAILY FKGTWKIVIO FDAKKT FFAPFYRII IDGS OIVIKIVIS
UniRef90_M5XDT7 UniRef90_G3VEM4	SSTRLINALYFKGAWNEEFDASTTKEHDFHLLDGSTVKAP TSLVLVNAIYFKGKWQNQFEKHATKERMFKINKDKQKPVQ
UniRef90_G3VEW4 UniRef90_A9FUE0	TVL V L T N A I Y F N A A WRT P F E P T A T A D G A F E TVD G T E V T V P
UniRef90_W5NTJ5	TVL VLTNAI YFNAAWRT PFEPTATADGAFETVDGTEVTVPTRL VLVNAI YFKGDWKQKFNKEDTQLMNFTLKDGTAVKI P
UniRef90_B4NKS9 UniRef90_G0NEI1	S R T Q V V N A A Y F K G Q W Q S K F D S A K T E Q M P F Y T S S K K M S L V P
UniRef90_G7J5S4	VDAMLVNAIFFQGDWRQRFSDP AESNFSSSAAENRLVP SLTNLINALYFKGAWSEEFDTSKTKDYDFNLLNGSQVKVP
UniRef90_C0J8G1	TEMIVTNALYFKGSWMQAFNPKFTRPA <mark>C</mark> FY <u>NKGVCH</u> NVA TELVLVNYIYFKAQWKTPFDPKHTEQAEFHVSDNKTVEVP
UniRef90_Q28921 UniRef90_G3HBC1	MRM VLI NY I FFRG
UniRef90_P36955	I S I I I I G V A H F K G Q W V T K F D S R K T S I F D F Y I D F F R T V R V P
UniRef90_UPI0002B4B5BE UniRef90_Q70W32	CRVILANAVYFKAAWSGKFDKYLTKDQYFRLLDGTSRKVP TELLLLNTVYFNGQWKMKFDAKSKTFPFVKLNGDTVKVPV
UniRef90_E1BWU2	<u>T</u> R L V L V N <u>A</u> V Y F K G L WK S R F R P E N T K K R P F Y <u>G</u> A D G K T Y Q V P
UniRef90_UPI00042CA504 UniRef90_G3MF92	
UniRef90_UPI0002B43992	TQI L VNALY FKGVWTNKFNDSETKKEDFYL VDGSSIKTP
UniRef90_UPI000395BECB	SQVTL VSTLYFRSMWQKKFSFMDSQMLPFTTPEGSTLKVP
UniRef90_UPI0001E2C2D5 UniRef90_B0WIA8	SQVTL V STL Y F R S M W Q K K F S F M D S Q M L P F T T P E G S T L K V P T V M F L I N A V A F D A K W E N V Y T K E N L L K D N F T S I D G K V Q N I D T D L M L L N V V A L N A S W Q D P F D P E E T E E S D F Q F L N G V R K V Q M L V A V L I N A L Y F K A K W R N P F Y P Q S T S K R T F Y S S A A S K R E I F D G A M I V N A M F F K P H W D E K F H H K M V D N R G F L V T R S H T V S V P
UniRef90_E3LZK9	L VAVLINALY FKAK WRNPFYPQSTSKRTFYSSAASKREI F
UniRef90_F1R7F7 UniRef90_G7IW05	D G A MI V N A M F F K P H W D E K F H H K M V D N R G F L V T R S H T V S V P S L T R L I N A L Y F K G A W S E K F D V L K T K D Y D F H L L N G S S V K V P
UniRef90_B3NAL7	SRLCLVNAI HFKGKWSI GFNERDTQEAEFFGSGKP SRVR
UniRef90_K7GUX8	SRLCL VNAI HFKGKWSLGFNERDTQEAEFFGSGKP SRVR VDAMLINAVFFQGDWRSRFPAP RESNFSVSETENKLVQ TVLVL VNAVYFKGQWCQKFKKENTEEEKFWLNKDTSKSVQ
UniRef90_UPI0004405A72 UniRef90_UPI00032B1E26	T V
UniRef90_I7MFX0	TAMVLVNANYFKGNWLKKFDFKLTEQKEFY <u>E</u> YENFGQKIIQ
UniRef90_V8N3N7 UniRef90_H9KIY5	TRLIMVNVLYFKGNWSNIFKKEDTTEQPFRLNKSTSRPIK
UniRef90_W5UKG5	TKLILINAI YFNGTWLNIFNIRDTKDRIFHVSKNQTKLIPLIMMLINAVHYKGEWLRRFDPHFTSSEPFYVDEKHIVNVD
UniRef90_Q4T0G7 UniRef90_M5NXY5	T QL ML L N A V S F K G Q W E L K F D S K P K K R H F T K P N G D L V S V W V T I A Y I L N A V F F K E Y W K Q P F D E K L T A P H P F Y A A D G S K K D H P
UniRef90_J3JZ29	MI MI I ANAI HEKGVWRYPEPKNET <mark>C</mark> VGGEYTNPGTKIYVP
UniRef90_A0A023FPT3	TRLVLVNAI VFKGLWELQFKPSETSKHVFYNGGTQPVQVD
UniRef90_Q292T9 UniRef90_F7B9A0	TRLVLVNAIVFKGLWELQFKPSETSKHVFYNGGTQPVQVDTEAMLVNAIVFKARWATEFSATDTLSGKFRRGSGAPSNVATPLVLVNAIYFKGNWEKQFNKEDTQEMPF SVLLLVNAVYFKGQWLSKFQARETVKAPFQLAEGKSVLVE
UniRef90_UPI00032B026A	SVLLLVNAVYFKGQWLSKFQARETÜKAPFQLAEGKSVLVE
UniRef90_B0XAK7 UniRef90_W5LLV2	SVMI I ANVLFLKASWRNSFDENNTRKREFHVSPNHSTKPE SVTRLVNAMYFRGSWKNQFRPENTRTFSFSKDDGSEVQTL AQLALVSTATFQSAWLQSFSSTNTQLLPFTCAQGHIVQVP TRLALVNAVYFRGSWKNQFRPENTRAFSFSRDDECPQELV PATQLMLLNAIYFNGTWLYSFNNTSRDTFYLGGDKQHPCN
UniRef90_UPI000443B1A5	A QLAL VSTATFQSA WLQSFSSTNTQLLPFTCAQGHI VQVPTRLAL VNAVYFRGSWKNQFRPENTRAFSFSRDDECPQELV
UniRef90_Q4RGY1 UniRef90_W5JN83	T R L A L V N A V Y F R G S W K N Q F R P E N T R A F S F S R D D E C P Q E L V P A T Q L M L L N A I I Y F N G T W L Y S F N N T S R D T F Y L G G D K Q H P C N
UniRef90_I3KK73	P QVAL VNTVA F K GVWQK QF MF T N T Q NLP F VL S D G NV I K VP
UniRef90_A0A022QBP2 UniRef90_G1S5N0	PQVALVNTVAFKGVWQKQFMFTNTQNLPFVLSDGNVIKVPAFTRLINAVYFKGAWIQEFKASSTRDHNFFLLNGSSVKAPTVLLLNAIHFQGALLLLSDPPPCRLS WDVQAFLSPVGTALILANAVYFKGNWAHKFDPLNTVDRPFHKNNPEPSPVP
UniRef90_E2ALG2	TALILANAVY FK GN WAHKF DPLNTVDRPFHKNNPEPSPVP
UniRef90_B9XLN7	I <u>SIL V</u> L VINI <u>V</u> LIYI <u>LI</u> N S <mark>H</mark> WEIVIP F D A K E I <u>K</u> I A A F <mark>H</mark> ILIA D G R I K <u>DIV</u> IQ
UniRef90_Q005N2 UniRef90_A0A016W0H3	A F AIV L I IN AIL IY F N A F W F Y K F II IK R C F O R K IV IF D K T H C S S IV L IF F
UniRef90_B3P0R3	SRTMLVNAAYMKGQWLNQFKVEETSLKPFFLNEHEQEMVH
UniRef90_A0A016WXX8 UniRef90_UPI00033346AF	SRTML VNAAYMKGQWLNQFKVEETSLKPFFINEHEQEMVH GAFVI VNAIYFTAEWQYKFYKNNTKQMFFSEEGKGKMLDF TSI VL VNIMDFHGLWYDMSLLQRVVKEEFHMDENTTIMVH
UniRef90_UPI0002C6443B	I Q L A L V S I MS F Q S I WR Q R F S S M D I Q L L P F I <mark>C</mark> A Q G <u>L I</u> L Q V P
UniRef90_F6VZ83	SVLVLVNA TYFKGQWQNKFQERETIKTPFQLSEGKNVTVE
UniRef90_B2FX36 UniRef90_C5YXZ5	SRMVLVNAVHFKGTWTYQFDPSLTRPFPFWLSETESRDVPESTRLVNALYFKGAWTNKFDASETRDGEFHLLNGTSVGAPSGAVVINALYFKGQWKHKFDKTRTRLENFRTSSNQLVPVD
UniRef90_B3N2J3	S G A V V I N A L Y F K G Q WK H K F D K T R T R L E N F R T S S N Q L V P V D
UniRef90_W5Q0S7 UniRef90_M9ZZE7	SILCNYSNNEY I SILIK WEKPEILIPEILILAPHNECVIDED LIIVIKIVIP
UniRef90_F7DYV2	VRAILADYMFFKGKWLHPFDPSDTGLEAFHPSRYSTIQVP
UniRef90_U3JVT3	USILLAGAAFFKGTWKTKFDTKKTALNDFHLDEDRTVKVS
UniRef90_Q5DW60 UniRef90_A1Z6R3	SRLCLVNGIHFKGEWSISFNEKETREEDFFGSDRPTRVRM
UniRef90_F1L9C3	SRL I L VNAVY FKGDWANK FDEANTAK KLFYTTADR HREVD
UniRef90_UPI0003C84382 UniRef90_UPI0003C8EEC2	III L V L V N A II Y F K G Q W H Q K F K E E N T V E E K F W L S K D R S K S V Q T V M V D T K N F P F I V D N R V T V M V P T V D N R V T V D T K N F P F II V D N R V T V D T V D T K N F P F II V D N R V T V D T D T
UniRef90_D4M9I1	DGATIANAMFFKPHWDEKFHEKMVDNRGFLVTRSFTVSVPSRLCLVNGIHFKGEWSISFNEKETREEDFFGSDRPTRVRMSRLILVNAVYFKGDWANKFDEANTAKKLFYTTADRHREVDTILVLVNAIYFKGQWHQKFKEENTVEEKFWLSKDRSKSVQTVMVLVNHIFFKAKWEKPFNSVDTKNFPFLVDNRVTVHVPTRMLLTNAVYFKGRWLQPFSAELTVPEPFHVTEAESKDVPTRMLLTNAVYFKGRWLQPFSAELTVPEPFHVTEAESKDVPTRMLLTNAVYFKGRWLQPFSAELTVPEPFHVTEAESKDVP
UniRef90_H2TG62	F F V C V L I I V I C N 3 3 I 3 A V I F N N K L H F F K N 3 F L Q N 3 3 K F V K
UniRef90_D4A392 UniRef90_M3XHF8	T K L I MV N A L Y F Q G S W L H C F D K E F T M E M P F K L N K K E T K P V Q T L M L L N Y I F F R G K
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JAMES DE JOHNSON DE JO	UniRef90_D6WWI0	T MK L Q S S T K Y Y E S E E L K A K F L E L P F E G D V S MI I I L L P K K M M Y L R E K L N L G Y L E D L K V O L I E L P Y A G N V S M L I I L P E K T A
JINGRIGH STULUZ JINGRI	UniRef90_H2XAQ5 UniRef90_H2LZW0	MMSQII ISII IE NII IGMAEGSKYKIVI IEII IPYHGDNII ITMIVI VVIPDTA
JANSON JA	UniRef90_S7TUU2 UniRef90_S4Q008	LMYRKDRYR <mark>CL</mark> TKTDVQAVALPYKGEALSMVVLLPRDVDG ME LHDDMNYGFVDNLR <u>AH</u> ALELPYEGGRYSMILLVPRGS
JURISSION JURISS	UniRef90_K4BV31 UniRef90_J9CSX3	F M T S K K K Q Y L A G F N G F K V L K F P Y K Q G T F S M Y F I L P D A H D G M M H R S G W L R Y R E T A Q L E M A T L P Y G N H S Y A L T V L L P K R G L S
JURISSION JURISS	UniRef90_D2VPM2	TLMNMRNKQLLYGENSQVKYVNLPYENPGYSMYFVMEKET
JURASSO W2D1M2 MM Y R Q G D C R Y L F W Y G T D D V A T R Y L E M S Y G N G A F G M Y Y M L P D E G K T M N J M N G N G A F G M Y Y M L P D E G K T M N J M N G N G A F G M Y Y M L P D E G K T M N J M N G N G A F G M Y Y M L P D E G K T M N J M N G N G A F G M Y Y M L P D E G K T M N J M N G N G A F G M Y Y M L P D E G K T M N J M N G N G A F G M Y Y M L P D E G K T M N J M N G N G A F G M Y Y M L P D E G K T M N J M N G N G A F G M Y Y M L P D E G K T M N J M N G N G A F G M Y M Y A G D G M N J M N G N G A F G M Y M Y A G D G M N J M N G N G A F G M Y M Y A G D G M N J M N G N G A F G M Y M Y A G D G M N J M N G N G A F G M Y M Y A G D G M N J M N G N G A F G M Y M N G N G A F G M Y M N G N G G M N J M N G N G M N J M N J M N G N G M N J M N J M N G N G M N J M N J M N G N G M N J M N	UniRef90_K4AAX4	FMSSTDDQY AAYDTFKVLKLPYQQGGDTRQFSMYIILPE
JURIAGES D. JURY SET TO A G. JURY SET TO	UniRef90_W2D1M2 UniRef90_A9KID0	MMYRQGDYRYGTND <mark>VC</mark> RYLEMSYGNGAFGMVVMLPQEGKT MMKSNERLYI DDGNATGFIIKKYQNDQYSFVALLPNI EVS
Junkergo Juny 1999 MM K O R Y S F P W S Y T ES H D W O V A K F P F K G N W S F W Y Y P P G Y S M M K O R Y S F P W S Y T ES G N W F W A C A L S M Y Y P P G Y S M M F W A E F P F W S Y T ES G N F W F W A C A L S M Y W Y P P G Y S M M F W A E F P W S Y T ES G W F W Y E P W S Y E G W Y W Y W A W P Y D G D E S M H W W A E F P K G N W F W A C A L S M Y W Y L P F E A K D G W A W P Y D G D E S M H W W A E F P W S Y E G W S W F W S W S W S W S W S W F W S W S	UniRef90_J9K796 UniRef90_X1R7Z1	MMHQTGHFKYYKDNH L KA V E I PYK V GGYEM LIIL PDKMDA
Junkergo	UniRef90_U3IV19	MMKQRYSLS WFTLESHDVQVAKFPFKGNVSFVVIVPHQYS
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Junkelgo Galykisso M.M. R. O. K. G. N. F. A. L. J. T. D. E. R. L. G. A. Y. Y. L. O. M. P. Y. K. S. E. L. S. M. V. I. I. L. P. P. M. G. S. Junkelgo Coulson Junkelgo Coulson M. M. R. O. K. G. N. F. A. L. J. T. D. E. R. L. G. A. Y. V. L. D. M. P. Y. K. S. E. L. S. M. V. I. I. L. P. P. M. G. S. Junkelgo Coulson Junkelgo Coulson M. M. E. L. D. T. D. V. D. Y. V. V. D. D. N. R. A. H. A. V. E. L. P. Y. A. G. K. R. S. M. L. L. V. P. R. D. G. Junkelgo Coulson M. M. E. L. D. T. D. V. D. Y. V. V. D. D. N. R. A. H. A. V. E. L. P. Y. A. G. K. R. S. M. L. L. V. P. R. D. G. Junkelgo Coulson M. M. E. D. Y. L. P. Y. R. Y. G. L. D. S. D. L. S. C. K. L. A. Q. L. P. L. T. T. S. D. D. S. A. L. F. L. L. P. D. E. G. Y. J. V. L. P. L. P. T. E. R. M. S. A. R. P. V. F. P. K. Y. G. S. M. J. P. J. L. P. P. T. P. R. D. G. D. M. R. S. M. P. G. L. P. J. L. P. P. T. P. R. D. S. D. J. R. J. P. J. L. P. J. P. S. P. K. Y. L. J. P. Y. K. Y. G. G. G. K. S. Y. K. P. R. G. S. S. L. F. L. L. P. D. D. G. Y. J. R. J. R. S. G. D. J. P. J. R. J. S. P. J. R. J.	UniRef90_A9FUE0	LM RGSLEMPYAEGDGYQAVAMPYDGDELSMVIILPKGT
Junkelson Courses	UniRef90_B4NKS9 UniRef90_G0NEI1	MMRQKGNFALTTDERLGAYVLQMPYKSEISMVIILPPVGS MLRETRDYLYAKDEEWQVIGIPFKDKSAWFALLLPIQRFG
JAIRGEO JOPIOUS SABEST JAIRGEO JOPIOUS SABEST MMS D P K V R Y GLD S DLS GK DA QUP DT G S M SITT F L P L K VIT JAIRGEO JOPIOUS SABEST MMS D P K V R Y GLD S DLS GK DA QUP DT G S M SITT F L P D L K VIT JAIRGEO JOPIOUS SABEST MMS D P K V R Y G G G K S K P R R G F S S M L F L L N P R T K JAIRGEO JOPIOUS SABEST MMS D P K V R Y G G G K S K P R R G F S S M L F L L N P R T K JAIRGEO JOPIOUS SABEST MMS D P K V R Y G G G K S K P R R G F S S M L F L L N P R T K JAIRGEO JOPIOUS SABEST MMS D P K V R Y G G G K S M S M L F L L N P R T K JAIRGEO JOPIOUS SABEST MMS D P K V R Y G S G K S M S M L F L L N P R T K JAIRGEO JOPIOUS SABEST MMS D P K V R Y G S G K S M S M L F L L N P R T K JAIRGEO JOPIOUS SABEST MMS D P K V R Y G S G K S M S M L J L J L N P T K JAIRGEO JOPIOUS SABEST MMS D P K V R Y G S G K S M S M L J L J L N P K MM T O H G S T S F K T L L E D V P A K L L J G L L Y R N H A L S M F L L J L N P N D JAIRGEO JOPIOUS SABEST MM Y K K K A Y K M S S S N D L L G V A L L L M P Y K D R T S K MM Y K K K A Y K M S S S N D L L G V A L L L M P Y K D R T S K JAIRGEO JOPIOUS SABEST MM Y K K K A Y K M S S S N D L L G V A L L L M P Y K D R T S K MM Y K K K A Y K M S S S N D L L G V A L L L M P Y K D R T S K JAIRGEO JOPIOUS SABEST MM Y K K K A Y K M S S S N D L L M P Y K D R T S K MM Y K K K A S K Y M S L L L M Y K L L M P Y K D R T S K JAIRGEO JOPIOUS SABEST MM Y K K K A Y K M S S S N D L L M P Y K D R T S K MM Y K K K A S K Y M S L L L M Y K L L M P Y K D R T S K MM Y K K K K S S K D Q Y L A K P L L L M P Y K D R T S K JAIRGEO JOPIOUS SABEST MM Y K K K K S S K D Q Y L M K L L M P Y K D R T S K MM H W J A R K V R S S K D Q Y L M K L L M P Y K D R T S K JAIRGEO JOPIOUS SABEST MM H W J A R K V R S S K D Q Y L M K L L M P Y K D R T S K JAIRGEO JOPIOUS SABEST JAIRGEO JOPIOUS SABEST MM H W J A R K V R S R N S M P A L L L P N R T M P Y L D D R M L L M P Y K D R D R M P M L L P N R T M P M P M L D R M P M L D R M P M L D R M P M L D R M P M L D R M P M L D R M P M L D R M P M L D R M P M L D R M P M L D	UniRef90_G7J5S4 UniRef90_C0J8G1	F M T S M K R Q F L S V F D G F K V L R L F Y K H Q S D K R Y F S I Y F F L P D M M E L Q T D V Q Y A Y V D N L R A H A V E L P Y A G K R Y S M I L L V P R D G
Junker90 UP10002B4555E F. M.S. A. F. D.T. F. K. VI. A. S. L. P. Y. K.Y. I. G. G. K. S.Y. K. P. R. Q.F. S. M.L. I. F. I. L. P. D. R. D. G. M. S. L. I. J. P. J. T. K. J. S. K. Y. W. J. M. R. G. S. S. M.L. J. L. J. P. J. T. K. J. S. K. J. S. W. J. M. R. J. S. G. A. S. S. M.L. J. L. J. P. J. T. K. J. S. W. J. S. J. S. J. S. J. S. J. J. R. J. J. S. G. A. S. S. M.L. J. L. J. P. J. T. K. J. S.	UniRef90_G3HBC1	
Johres D. Elswy 2. Johres D. Elswy 2. Johres D. Gambar 2. Johres D. G	UniRef90_F36935 UniRef90_UPI0002B4B5BE UniRef90_Q70W32	FMSAFDTFKVASLPYKVGGGGKSYKPRQFSMLIFLPNDRDG
Junkelson Fisher	UniRef90_E1BWU2 UniRef90_UPI00042CA504	MLSQLSIFR <mark>C</mark> GTTSELWYNIIELPY <mark>H</mark> GEMISMLIALPTEN MMTQHQSFSFKTLEDVPAKILGLLYRNHALSMFLLLPND
Junkelson 1912/763	UniRef90_UPI0002B43992	MMYKKKAYKMSSSNELIGVAALIEI PYRGGKTSMVVLLPND FMSSSKDQYLAAYDGFKVLTMPYKDRRFSMCLIFLPDAKDG
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Junice90 G7IW05 Junice90 JSNAL7 Junice90 W7IW05 Junice90 W7IW06 Junice90 W7IW06 Junice90 W7IW06 Junice90 W7IW06 Junice90 W7IW07 Junice90 W7IW0	UniRef90_E3LZK9	MHARKVIFRKYSENNOFEILLTLPYODETFTLISTIFLPI NITFD
Junikefgo VPI0004405A72	UniRef90_G7IW05 UniRef90_B3NAL7	F M T S E E N Q F E A Y G G F K V L R L P Y K K G K F S M Y F L P N A K D G M M H V C E N F F F A V L P R L E A T A L R M N Y S G C N L A M I V I L P D E K
JUIRE190 _GAT0G7 JUNRE190 _GAT0G7 MM T Q T N R F S Y Q E T K R F Q A W K L R L P Y K D D G L A L L A W F L E N D JURE190 _JA3229 JUNRE190 _ADA023FD73 JUNRE190 _GAT0G7 MM T Q T D R F K L A V L E R P Q M Q W L E L P Y W N K R L S M L L L P Y G G D A L R G R G H V H D D R G L Q L E M Y R D S D Y S M W L V L P R R T G L T S L Y W L P R D G A D A L R G R G H V H D D R G L Q L E M Y R D S D Y S M W L V L P R T G T A L E M Y R D S D Y S M W L V L P R T G T A L E M Y R D S D Y S M W L V L P R T G T A L E M Y R D S D Y S M W L V L P R T G T A L E M Y R D S D Y S M W L V L P R T G T A L E M Y R D S D Y S M W L V L P R T G T A L E M Y R D S D Y S M W L V L P R T G T A L E M Y R D S D Y S M W L V L P R T G T A L E M Y R D S D Y S M W L V L P R T G T A L E M Y R D S D Y S M W L V L P R T G T A L E M Y R D S D Y S M W L V L P R T G T A L E M Y R D S D Y S M W L V L P R T G T G T G T G T G T G T G T G T G T	UniRef90_K7GUX8 UniRef90_UPI0004405A72	MMAETRDYLYNKDEDWQVVGI TFKDKSAWFALLLPI ERFT
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Jurike190	UniRef90_H9KIY5	T MY S K S K Y T H G D M P ML Q A K F I E I P Y K N P DVA MI I I L P N Q I MMI G P K Y P I S I F N H F I D A O I A R F P F K G N V S I I I V M P T I G S
Jurikef90	UniRef90_Q4T0G7	L Y H Q S Y P L A M T L D T D L K A M V A R F A L T G E T S L Y V L L P A S H T
Jurike190	UniRef90_J3JZ29 UniRef90_A0A023FPT3	F M T T T N IL IF Y F IL IE S Q IV L IE A K II L IR IL IP Y K G N R F S M F IL I L IP Q G G
Jurikef90 B0XAK7	UniRef90_Q292T9 UniRef90_F7B9A0	
Juirkef90	UniRef90_B0XAK7	F ME Q T DILY A YLLD D P ELQLE MV RLP Y K G RLF S MY I V L P N R T
JAIRE990_W5JN83	UniRef90_UPI000443B1A5 UniRef90_Q4RGY1	TIPGANIMIVITION GRUPEN PIVIC WSCRIVIPGAGDAILIRGRAGHVIHDDR
JniRef90_B9XLN7 JniRef90_Q005N2 JniRef90_A0A016W0H3 JniRef90_A0A016WX8 JniRef90_A0A016WX8 JniRef90_A0A016WX8 JniRef90_A0A016WX8 JniRef90_UP100033346AF JniRef90_UP10002C6443B JniRef90_D1P10002C6443B JniRef90_B2EX36 JniRef90_B2EX36 JniRef90_B2EX36 JniRef90_B3N2J3 JniRef90_W5Q0S7 JniRef90_W5Q0S7 JniRef90_W5Q0S7 JniRef90_W5Q0S7 JniRef90_W5Q0S7 JniRef90_W5Q0S7 JniRef90_USJVT3 MM M C R E R F R A F N R E A E L G F S A L E L T Y G G S D M T M M L L P N E R D N W L L R R L P Y D R N R E N R	UniRef90_W5JN83 UniRef90_I3KK73	MMTILISHKILIRYGYTDDQKILLIWIVIFILIPYSGDFMSMILLLLIPAKR
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JNIRef90_UP10003264443B JNIRef90_F6VZ83 JNIRef90_E5VZ83 JNIRef90_E5VZ55 JNIRef90_C5YXZ5 JNIRef90_MSQS7 JNIRef90_MSQS7 JNIRef90_MSZZE7 JNIRef90_MSZZE7 JNIRef90_MSZZE7 JNIRef90_USJQNS7 JNIRef90_USJQNSS JNIREFSO_USJQNSS JNIREFSO_USJQNSS JNIREFSO_USJQNSS JNIREFSO_USJQNS JNIREFSO_USJQN	UniRef90_A0A016W0H3	WN & S D E E R L Y A E D Q D M Q L L S L R Y K D P S Y A L N I F L P K N R F A M M H K K D L F K M T L N D D L E S Q L K L P Y R T S M V L L L P Y S N F V S
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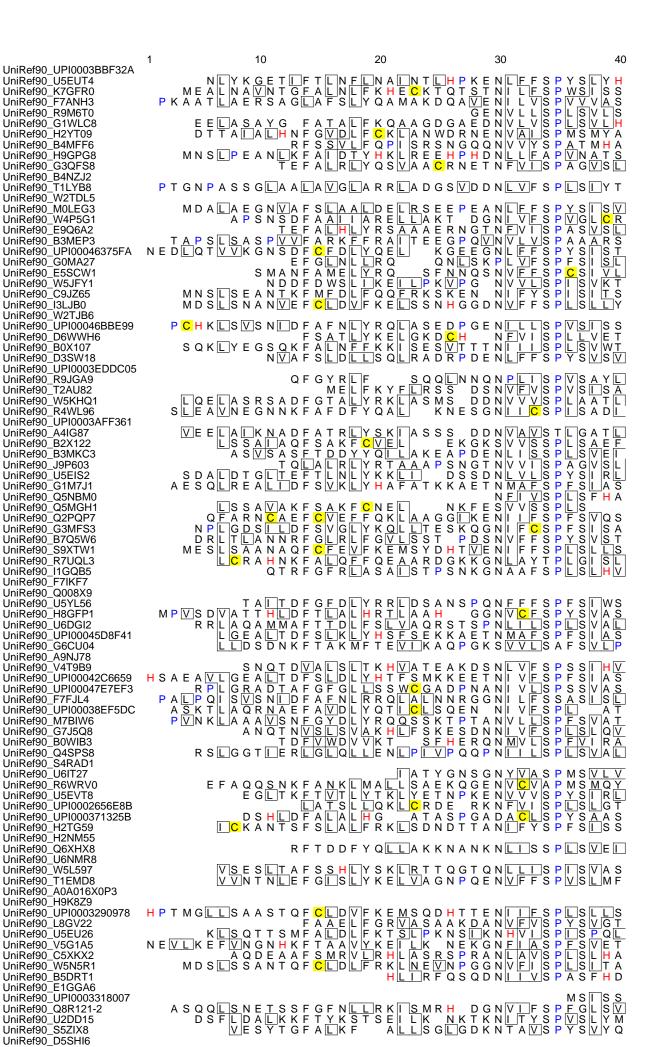
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S L E I L Q F G A R G N T G W Q L A G A L G Y T V Q D P R V K E F L H A V A M T L V F M G A A G K S A E E L R S N L I L G A A K K T E I A K Q H A E F W A L A M T Y A G A R G E T E K Q M A Q V L H F P L T Q E S M H P A F S K L Q S D C V S L L H A A S T G K T R D E I R E A L L R G S T D E K F E E Y F S E L T L A M T Y F G S S G T T K Q Q L K L A L L Y E G S A T R S E T Q R E L S R T L G I D D P Q A V G K L Q E A L G M V L L G A K D N T A Q Q I S K V L H F D Q V T E N T T E K A A T Y H A L S M I L L G A R G N S A E Q M E K V L H F N H I C S Q I G R I H S Q F G V L UniRef90_M0LEG3 UniRef90_W4P5G1 UniRef90_E9Q6A2 UniRef90_B3MEP3 UniRef90_UPI00046375FA UniRef90_G0MA27 UniRef90_E5SCW1 UniRef90_W5JFY1 UniRef90_C9JZ65 UniRef90_WSJF11
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UniRef90 UPI0003BBF32A	130 140 150 160 A <u>E L A S D F Q R A S E G A R K V I</u> N E W V K G <mark>H</mark> T E G K I P E L L <u>A V G D V N</u>
UniRef90_U5EUT4 UniRef90_K7GFR0 UniRef90_F7ANH3	EVISKLDFLQKPDEQRLSINKFVQDHTKGLIKDILVPGSLS TEPRAVDFGAAEEVRKEINSSVECQTEGKIQALLPSLDSL CFHSKLNFRDKRSALQSLNFWAAQTTDGKLPFVTQDVFRT
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UniRef90_B4MFF6 UniRef90_H9GPG8 UniRef90_G3QFS8	T DVE GI NLK N PE EVR GLI N H WVE A QT Q D KI K DL L LE D S F D S N V F N L O D P V L V K K O K L N S W D K N Y P K G G L S A P L S D T A S F
UniRef90_B4NZJ2 UniRef90_T1LYB8 UniRef90_W2TDL5 UniRef90_M0LEG3	AKAKLI YLDD PVRA SLMVNS WLSKRTRGVI RHI VSPLDPD AEVNTVDFRAPEAARRQI NA WAAQVTRDLI DSVLPPGSI S AKVEALDFRNARQTAEKI DKFVSDATMDRI KDI VTESTVE AEHVVDFAGDPEGAREEI NA WVEDRTNDRI EDLLPEDAVT
UniRef90_W4P5G1 UniRef90_E9Q6A2 UniRef90_B3MEP3	A E A H H A N F A Q K E Q V K Q N L D K W V S D N T H Q M L K S L D T E L S Q D S S L E A A D F S E P N S T T T E A S K V T S R Q S T G E G P D S P L W G R A D
UniRef90_UPI00046375FA UniRef90_G0MA27 UniRef90_E5SCW1	A Q A D A V D L L H P D A A V N K V N K W L E K Q T F Y T V K N L P S S L S P K A G L F V D F L T K R E A A R K Q L N N W V E K K T H D K I K E L P P M L N S L A G A T G L D F S D K E K S A A V M N K F V A E A T K G H I T N I P E Q F E Q D A D V D L M D F S N G A A A E K I N R W V A N E T N D K I Q N L I P V L D E M A S T E E L N F G D P D A A S V H I N R W I S H N T G G L I E D V V R A D T R E
UniRef90_W5JFY1 UniRef90_C9JZ65 UniRef90_I3LJB0 UniRef90_W2TJB6	A D V D L M D F S N G A A A A E K I N R W V A N E T N D K I Q N L I P V L D E M A S T E E I N F G D P D A A S V H I N R W I S H N T G G L I E D V V R A D T R E T S V E S T D F A N P E E S R K K I N S W V E S Q T N E K I K N L F P D I G N D A S L Q T D F E W S A E L T A Q K I N N F V S D V T E G K I K D V V T E D T K D S G L G P G A A R D P V G A Q T S I R E Y V E K Q T Q G Q L G A W V E G L S D A
UniRef90_UPI00046BBE99 UniRef90_D6WWH6 UniRef90_B0X107	SGLGPGAARDPVGAQTSIREYVEKQTQGQLGAWVEGLSDA VCADLLDMTNKNAAAEKVNKWFRDKTNNKIDKMVSALTSE QDLLRSLDFNSSPQARKINGLVSNATKGQIEKIHPSDLKD AEHLVDFSGSPEAAREELNTWVEERTNDRLEDLLPQGSVD
UniRef90_D3SW18 UniRef90_UPI0003EDDC05 UniRef90_R9JGA9	I D P S A E A V Q A A L S T E Q T M N E Î N N WÎ D T K T N G L Î P D L E T P L D V Q
UniRef90_T2AU82 UniRef90_W5KHQ1 UniRef90_R4WL96 UniRef90_UPI0003AFF361	LVNFSH NPEKVKNDINRWVAAITNNKITDAVDGISPD ADVQSVNFASAQTAKSSINDFVRSRTGSMIREVVNNVDPA TDVEKNFREEPESARTEINVWVEEKTNNKITDLLPSVDSG EMVHMLDGE
UniRef90_A4IG87 UniRef90_B2X122 UniRef90_B3MKC3	A DIV Q N V N Y A N G Q Q A K G S I N D Y V R G R T G E K V R D V V E N V D P Q A G I E K I D F N T G A A A V E V I N K W V E S Q T N E K I K D L L S S V D S D
UniRef90_J9P603 UniRef90_U5EIS2 UniRef90_G1M7J1	SSLQPAPPREPRGPPTRSGGGPTGPESGQAEAAWARL LSATEVDLSNKAATVTEINRWVENVTSSLIKEIVKDITDD SSP RV LGNDSDVNTELINAWVAEKTSNKIITHLLESLPSD
UniRef90_Q5NBM0 UniRef90_Q5MGH1 UniRef90_Q2PQP7 UniRef90_G3MFS3	A V A E P A D F T Q P E Q A R E R V N A F V S D A T E G L I R D V L P P V D S S A S F E K L N F N D G P G S A N L I N K W V E S K T N D R I K D L L S S L N G D A E T E K L D F N E N E A A A A S I N D W V E Q K T A G K I T E L V S C F D S M A T V V S V D F L N N F E S R R Q V N A W V E R A T Q S K I S D L L P K G S V N
UniRef90_B7Q5W6 UniRef90_S9XTW1 UniRef90_R7UQL3	ELLNVDFANEADAAVSFINGWVRQRTQNKIDGIIDKLDPN LKPENLDFKNNEEARMQINSRIENKTKGEIKDLPNSLTAS
UniRef90_I1GQB5 UniRef90_F7IKF7 UniRef90_Q008X9	A E T H S D F Q T K A A E V A G Q V N S W V D R V T A G L I K E I L P A G S V D E E K E V E K I K D L L P D I S S S E I L L V N E N H N T E I L K N D I N E W K K I T H D K I K N I L N E I S E N
UniRef90_U5YL56 UniRef90_H8GFP1 UniRef90_U6DGI2 UniRef90_UPI00045D8F41	NEI ERVNFRDALNTVSRI NNFASTNTKGKI NNL VTAGDQD AVRQAPFVKDPEGARIEI NDDVARTTRDLI PELLPTIGDD AKPVSLTGRKGD DLLNI NQWVKEATEGKI EDFLSELPDD SSP RVLSNDSDLNLKLINNWVSKNTNHKI RQLLDSLPSD
UniRef90_G6CU04 UniRef90_A9NJ78 UniRef90_V4T9B9	SEVANI DFCKSENAAKKMNQWVEDETNNRI KOL VDPLDAN TTVKQVDFSEVDRARFI VNDWVKTHTKGMI GDLEGAVNQL AASOVDFOTKAAEVSREVNMWAEKETNGLVKEV LPPGSVD
UniRef90_UPI00042C6659 UniRef90_UPI00047E7EF3 UniRef90_F7FJL4	A V R Q A P F V K D P E G A R I E I N D D V A R I I R D L I P E L L P I I G D D A K P V S L T G R K G D D L L N I N Q WV K E A T E G K I E D F L S E L P D D S S P R V L S N D S D L N L K L I N N WV S K N T N H K I R Q L L D S L P S D S E V A N I D F C K S E N A A K K M N Q WV E D E T N N R I K D L V D P L D A N T T V K Q V D F S E V D R A R F L V N D WV K T H T K G M I G D L E G A V N Q L A A S Q V D F Q T K A A E V S R E V N M WA E K E T N H K I R Q L L D S L P D D A G L K T D F A E K P E D A R K A I N A Q I K K D T G G K I A E L L P K G Q L T S G L G S G T N Q S L E E A P K H I D E Y I E K Q T Q G K L G A W E K D L G S E T L V K L V D F Q D A K A C A E T I N T W I E S K T D G K I R S M F S E F G P L A R P K L L T G N A O S D L O D I N N W V O O O T K G K I V K F I K F I P T G
UniRef90_UPI00038EF5DC UniRef90_M7BIW6 UniRef90_G7J5Q8	A ALIS SVDF QNAVEVTNEVNS WAEKETNGLIKELLPLGSVN
UniRef90_B0WIB3 UniRef90_Q4SPS8 UniRef90_S4RAD1 UniRef90_U6IT27	A G V E K R A Q L E V G Q L A R E A N D WAN WT T S G M V T R V V S D I R D N S R P V P L V S V E E V N H W I E N A T N G H I S N F L E S I P H N A E L A A V N F K G A F E A R K E I N A W V E G Q T E G K I Q D L S G V V N S L D K V M R T L F N T S D A F E S I N K W A N A S T D G L I P N S K D E L D E D
UniRef90_R6WRV0 UniRef90_U5EVT8 UniRef90_UPI0002656E8B	ANLSVVDIRNNPKAMQQVDAWAKESTKGLITSFPLSIDDR GLTPTRIGIDNQNVVLEVNNWIKKASDNLINQIISDIPAN AFIDSPETRSAKFIEDOLNTWVANKTNKRIPKIISEIKPD
UniRef90_UPI000371325B UniRef90_H2TG59 UniRef90_H2NM55	SKIVETAPFT DPEGARQRII NA DIVIE QTTQGIL I PEIL LIPEII HPIL SGTSTVF NEWL FANKRANVSDL FDSGTFT
UniRef90_Q6XHX8 UniRef90_U6NMR8 UniRef90_W5L597 UniRef90_T1EMD8	A E A E A I S VA D P N K A A S I V N K W V D N Q T G G K I R D I V E K D M S D A R V Q A L D F R M K E R A A K V I N D F V S G Q T K G K I R D I V K T D S I Q M V P G M L T N S S E E N V M M V N N W V E E K T K R K I T K L V D S V E P T I H I A N R L F F E Q S E L W L K V L L T V V R N T T E V V R I I N G K I N R L I D D F V S N A T E G K I K D I V N A Y S V R N E L I N V D F I R K G K A A M D I N T W V N Q K T M G K I S K I L D D V S P N I K P E N I D F R N N I F A K M O I N D W V E N K T K G E I K D I L S P I T S S
UniRef90_A0A016X0P3 UniRef90_H9K8Z9 UniRef90_UPl0003290978	I DDFVSNATEGKI KDI VNAYSVR NELINVDFIRKGKAAMDI NTWVNQKTMGKI SKI LDDVSPN LKPENIDFRNNIEAKMQI NDWVENKTKGEI KDL LSPLTSS EARNLDFNTQPEKSRQI INSWVEEKTKDKI KDL LPSGSIQ
UniRef90_L8GV22 UniRef90_U5EU26 UniRef90_V5G1A5	II ISII IQKII IDERNANDAARII IANNWIVISQKTRGTII INQII I IDPNN <mark>H</mark> II I
UniRef90_C5XKX2 UniRef90_W5N5R1 UniRef90_B5DRT1 UniRef90_E1GGA6	SGVSDVDFKNKVEAAGTISNWVEDNTNHKIKNLIDPLDKDAEAQAFFKTMPEEARSQINEWVASATAGRIKDLLPCLHRGSIKNNQFYVKKKCFLLKLHLFQQKTNCFSQCTMIASLSEGTKFEHMNFGSDNTVDTINGWIDKKTGEKVKDMLGWVDPEFTLHKFNLFQKDFILQQUNGWISKKTNNKLRNLRDTUDGD
UniRef90_UPI0003318007 UniRef90_Q8R121-2 UniRef90_U2DD15	TKFEHMNFGSIDNTVDTI NGWIDKKTGEKVKDMLGWVDPE ETLHKFNLEQKDELIQQI NGWI SSKTNNKI RNI RDTI DGD AEMEQDFAGASEESREHI NSWVAQKTEDKI KNLPGVVNSL IEYVSI NFQNSSQARGLI NHCI VKETEGKI PKLFDEI NPE SSVYNVDFKDKGSSKQ I SDWI SKNTNDALSPQI S LDKN A EEYSFSEPLDATKRI NLWVYDKTYRLI DKI I DHLDQS
UniRef90_S5ZIX8 UniRef90_D5SHI6	A EEYSFSEPÜDATKRI NÜWVYDKTYRLI DKÜ I DHLDQS VDIQTI DUKDTEKTKKAI NHYVAEKUHKII KOLI THUDPQ

UniRef90 UPI0003BBF32A	170 180 190 200 NMTK LV NA L YFKGNWQETFSKKATTET L FR L NKKDTKT V K
UniRef90_U5EUT4	VNTKLVNAAYFKGAWANKFDAAKTKPEVFYSSPEEREFVQ
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UniRef90_F7ANH3 UniRef90_R9M6T0	
UniRef90 G1WLC8	SRLIFIL I SALIA FEGA WODPY EDENIVLIDWAFTAQDGSQTDCR
UniRef90_H2YT09	TKLFLVNAI YLKVLWQTSFLRQATTKANFQLSPTRSKQVS
UniRef90_B4MFF6	T Q A L L V T A II Y F K A R WA N E F S E M D T T A E K F R M G N N A A II T V P
UniRef90_H9GPG8 UniRef90_G3QFS8	A QIL V L VIS T M S F Q G T W R K R F S S T D T QIL L P F T C A Y G R V L Q V P
UniRef90_B4NZJ2	LSAFL VNALY FK GQWQHDFAADQTHLADFHVSEDKLI QVE
UniRef90_T1LYB8 UniRef90 W2TDL5	AVLYLINAL ALEAE WERLYDIQUHENRIFITEDGREQSVISRILISALAFEGAWDDPYEDENVLDWAFTAQDGSQTDCRTKIFLINAIYLKVLWQTSFIRQATTKANFQISPTRSKQVSTQALLVTAIYFKARWANEFSEMDTTAEKFRMGNNAAIITVPCHAQLLNALYLKGQWKVKFNKDLTVEAPFYSHYCQTVQLMAQLVLVSTMSFQGTWRKRFSSTDTQILPFTCAYGRVLQVPISAFLVNAIYFKGQWQHDFAADQTHLADFHVSEDKIIQVEPATHVVLGNAMYFKGKWPFDKRHTAHDPFYRLDRSQVDVPGADSLINAIYFHGKWQHAFDKRYSRNDTFHSSTVKQKQIY
UniRef90_M0LEG3	TATRIL VNAVYFLA A WKHDFDPDA TEPGPFTGLDGTETEVE
UniRef90_W4P5G1	ALMLVLDAIIYMNGKWESPFDSDYTETDTFYNEDG <u>SET</u> DVE
UniRef90_E9Q6A2 UniRef90_B3MEP3	A <u>L S T Q</u> L <u>S I M S T M T F Q S T W Q K R F S V Q P L P F T H A H G L V L Q V P T S V V L <u>V</u> N S L F F R A K W A K S F P L E N T S P E D F W I N L R Q R M E L P</u>
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UniRef90_E5SCW1 UniRef90_W5JFY1	TCLVLVNAI YFKGNWQTRFARESTSKQYFSVDQNTNKLVD TLLLLINTI YFRGNWVEPFPLNATAERPFYRSTTPGKAI F
UniRef90_C9JZ65	L VAIVET NALLY FKAD WYEKF QAPRTKIRDFYNSTESKRSID TCLVLVNAI YFKGN WQTRFARESTSKQYFSVDQNTNKLVD TLLLLINTI YFRGN WVEPFPLNATAERPFYRSTTPGKAIF TTLVLVNAI YFKGQWENKFKKENTKEEKFWPNKNTYKSVQ
UniRef90_I3LJB0 UniRef90_W2TJB6	UNIVIVI VINAII IYEK GUVVUNKEUEKEIIVKI PE
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UniRef90_D6WWH6	TALLLLSSLYFQGNWDQQFSVSSTRKQTFYNHGKQQVSVD AKMLILSVLFFKGDWTLPFNRSQTVDTPFLNENDVTVPVP
UniRef90_B0X107 UniRef90_D3SW18	TALLLSSLYFQGNWDQQFSVSSTRKQTFYNHGKQQVSVD AKMLILSVLFFKGDWTLPFNRSQTVDTPFLNENDVTVPVP ASTRLVNAVYFLAAWKHDFDPANTEPETFTGLAGAETEVE CVMVLVNAIYFKGQWQNKFQERETVQTPFQLSEGKSVFVE TRLALFQTIYFKGKWQYPFEPQNTYKEAFYLQRGQEETVM TKLLIIAAYFEVAWRNQFVAEYTVDFABFEVVTKHISKTVR
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UniRef90_R9JGA9 UniRef90_T2AU82	T R L A L F Q T I Y F K G K W Q Y P F E P Q N T Y K E A F Y L Q R G Q E E T V M T K L L I T A A I Y F E V A W R N Q F V A E Y T V D A E F W V T K H T S K T V R
UniRef90_W5KHQ1	S QL TL I S A A Y F T G Q WQL P F S V N S T Q E D R F F V D N Y N L V Q V P
UniRef90_R4WL96	TRLVLVNAIHFKANWENKFDKANTKMEPFHI TPTETVNVP
UniRef90_UPI0003AFF361 UniRef90_A4IG87	SMALL I SAAFFT GOWLOPENATET OF DREYVNKY NI VOVP
UniRef90_B2X122	I RIL V L I IN A L IY F K G I WQ K Q F D P Q N I M N Q P F H I I I A D S S V E IV P
UniRef90_B3MKC3 UniRef90_J9P603	R A L N A Y F K G Q W K Y K F E K A R T H K Q F Y T A K D K K V E V D A L S T M S F R S T W R R G F A P A D T Q P L P F A G V R G L A L Q V P
UniRef90_U5EIS2	LEMLLINAVTEKAGWEEPFKKDNTŸETDFTLADGTQRKVD
UniRef90_G1M7J1 UniRef90_Q5NBM0	ALLSTMSFRSTWRRGFAPADTQPLPFAGVRGLALQVPLEMLLNAVTFKAGWEEPFKKDNTYETDFTLADGTQRKVDTRLVLLNAVYLSAKWKTVFDPKRTSMEPFYLKSSVIKAMMTVVVLANAVHFKGTWSLPFHPSATFHLLDGGAVRAPTRLVLVNALYFKGMWKSQFSKSNTHDQPFHLLDANTTVDVP
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UniRef90_Q2PQP7	TRMVLLNALHEKGQWAKKEDQNQTLKDDEWTSSEESVQLE
UniRef90_G3MFS3 UniRef90_B7Q5W6	ALTTL VNAI YFKGLWKLQFNASRTRRSDFHLDAKNKVEVD TRLMLLNAI YFKGAWNROFNASLTAKGPFFNGGTAPVQVD
UniRef90_S9XTW1	D Q L V L V N A I I S Y R G T W K Y A F Q K D Q T T A M A F R L D E S Q S K P V Q
UniRef90_R7UQL3 UniRef90_I1GQB5	ISILLLSAMYFK <mark>VH</mark> FLRPFDKNETEDLPFNLMMKETLVVP NTTRLVNALYFKGAWTEKFDASKTKVDKF <mark>H</mark> LLDGSSVQAP
UniRef90_F7IKF7	T K L V L V N T V Y F K G Q W D R E F K K E N T K E E K F W M N K N T S K S V Q
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UniRef90_H8GFP1	TVAGLVNALYLKAAWTFAFKESDTAEDDFHAPSGA VRVP
UniRef90_U6DGI2	TVLLLNAI HFQSFWRSKFDPSLTQRDSFHLNEQFTVPVD TRLVLLSAVYLRAKWKTTFDHKKTTMEPFHFKSSVIKVPM
UniRef90_UPI00045D8F41 UniRef90_G6CU04	T V AVI VINAL V E V C A WY T D E E V E D T T D D D E UV C V E AV T V V D
UniRef90_A9NJ78	TRLML VNAL YFNGQWKTPFEKERITDRDFHVSKENVIKVP NSTRLINAL YFNGQWKTPFPESGTHHRLFHKSDGSTVSVP NSTRLINAL YFKGAWNETFDSSKTKDYDFHLLNGGSIKVP PRLVLLNAL YFKGAWNETFDSSKTKDYDFHLLNGGSIKVP PRLVLLNAL YLNAKWKTTFNHSRTNRKDFYSRSSVIKVPM SHTGWVLTDAVHLRAEWRTKFKSGATDRFTTSDGRTVQAR MAAVPVNPILLRAEWTKPFDSAATSPKEVFVHKHRTVWVS TRLVLVNAVYFKGDWKQKFRKGGSQLMNFVMRDGSTVKTP
UniRef90_V4T9B9 UniRef90_UPI00042C6659	N S I KIL I N A IL IY F K G A W N E I F D S S K I K D Y D F HIL LIN G G S I K V P P R L V L L N A I Y L N A K W K T T F N H S R T N R K D F Y S R S S V I K V P M
UniRef90_UPI00047E7EF3	SHTGWVLTDAVHLRAEWRTKFKSGATDRFTTSDGRTVQAR
UniRef90_F7FJL4 UniRef90_UPI00038EF5DC	MAAJVIPVN PILLIKA E WT K P F D S A A T S P K E V IF IV IH K H R T IV IWV S T R I V I V N A V Y F K G D W K O K F R K G G S O I M N F V M R D G S T V K T D
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UniRef90_G7J5Q8 UniRef90_B0WIB3	NATRILINALITERSEWOLDEFILLNGSPVKVP
UniRef90_Q4SPS8	TRL VL V N AVYF K GD WK QKF RK GGS QL MN F V MR DGS TV K TPL SLFL I GAAYF K GQ WE T K F D P T K T T L Q D F H L DE D R S V K V P N A T R L I N A L Y F K GA WN D K F D A S K T E D Y E F H L L IN G S P V K V P T R L V L L N A I T F R S E WQ H R F E L K N T R K E L F Y S T G Q P F M T D M V M L M L M N A V Y F K G E WQ T Q F D P T M T F K G V F Y P D N M K S V S V D T R L V L V N A V Y F K G S WD A K F D P E V T R D A E F K I N K N E K K P V K S L V L L N A L T F K D S W K P F D A E G T K N R D F R L T K T E T L Q V P T F E L V V N A N Y F D G K W S N P F N A A E S K A L P F Y G L D G N O R N V M
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UniRef90_U5EVT8	LDMI LLNAITEKANWENQEDEAKTKKGKETDLDKIHKLDM
UniRef90_UPI0002656E8B UniRef90_UPI000371325B	HILLVLLINAII IYEKA I WILHEESPILIREKEN FKILIRSGDIVI KAN F TRASII VINAII YILKTAWRHPFAKHATKDAD FHMPDGVRRWDT
UniRef90_H2TG59	LDMILLNAITFKANWENQFDEAKTKKGKFTDIDKIHKIDM HILVLLNAIYFKATWLHEFSPLREKENFKLRSGDVIKANF TRASLVNALYLKTAWRHPFAKHATKDADFHMPDGVRRVPT FPVCVVVTYSFLQNSSKPVKMMHQSSKFPFTFIPEATCQVG TAMVLVNHIFFKAKWEKPFHPAYTKNFPFLVGKQVTVPVP MILILNAIYFKGQWAFIFNPKFTQKEDFRLSDQKSVPVE
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UniRef90_W5L597	GAYSLVNAI YFHADWHEKFYKFNTKKMFYRQEGEGREMEF VDFI LLNAVYFIGKWLKPFEENTKQSQFMTLSGDVVNVPS
UniRef90_T1EMD8 UniRef90_A0A016X0P3	DAFSIL VINAI IYFEGK WKIKFE KIESGEFKIINPD DAFSIL VINAI IYFTAEWEYKFNEGNTKOMFYSAFGNGKFIIDF
UniRef90_H9K8Z9	GLSILVNAI YFEGKWKTKFE RTESGEFKINDD DAFSLVNAI YFTAEWEYKFNEGNTKQMFYSAEGNGKELDF TMMILLSALYFNGEWNQHFLTGFTKKALFHVEPNESILVD DQLVLVNAI SFRGLWKHSFQRDQTKSMVFRMDESQSKPVQ
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UniRef90_U5EU26	EGTRL L TANALLY ERGLWKNKENAT GNGEEMVTPNEPKOVS
UniRef90_V5G1A5	T S MILL VN ALY FS G K WASEFQSYSTYKKKFFKTKDETVDID
UniRef90_C5XKX2 UniRef90_W5N5R1	T S MI L V N A L Y F S G K WA S E F Q S Y S T Y K K K F K T K D E T V D I D T P A V L A N A L Y F K G A WE R K F D A C L T R D E A F F L H D G G V V R V P T V S L Q V P R R S W D T N T T I Q N P F D R L R A E S K R T G S V C T H V G S Q M V L V T A L D F Y G E W E K P F D P T H T T K E L F E T Q Q R N P S L V D
UniRef90_B5DRT1	SQMV L V T ALD F Y G E WE K P F D P T H T T K E L F E T Q Q R N P S L V D
UniRef90_E1GGA6 UniRef90_UPI0003318007	TRILLINALYFKGTWESQFMKMATAQREFHISENEKKLVP TALILVNALYFKGNWEKKFQKENTQEKPFYVQKELRMVIL
UniRef90_Q8R121-2	T K L I L V D Y V L F K G N A T M
UniRef90_U2DD15	Q M S N T Y Y K D Q W M D K F D E K A T K P D T F Y L K N G Q E K <mark>C</mark> D
UniRef90_S5ZIX8 UniRef90_D5SHI6	A I I V L V N T V Y F K A N W T T P F E N T F N D T F N S P R G P V T T V L C L V N Y V F K G G I WE R A F Q S N L T Q K E D F F V D E N T K V Q V D
5 toroo_2001 ii0	

	210 220 230 240
UniRef90_UPI0003BBF32A UniRef90_U5EUT4	MMYQKSTLPFĞYLEDPK <mark>C</mark> RVLELPYQGRDLSMLILLPDDL MM <u>S</u> VTGTFNHAANEKLE <mark>CH</mark> ILEMPYKTSDISMFIFLPSTQ
UniRef90_K7GFR0	MMCQREKFNWNYÜKTVHAHVIEÜPYVNNDLSMLILLPDDÜ
UniRef90_F7ANH3 UniRef90_R9M6T0	MMCQREKFNWNYIKTVHAHVIELPYVNNDLSMLILLPDDI MMHRTGLYNYYDDEKEKLQIVEMPLAHKLSSLIILMPHHV LMYSDEGF YLEDARAQGFLKPYKGGRWAFAALLPEEG
UniRef90_G1WLC8 UniRef90_H2YT09	I MRSREDSYLENDS FTGFIKPYRDYNFGFVGLLPKEGLT TMYTSRCFFQPNYPSLQSDLVVLPFKGNAMSMIFLVPTSP
UniRef90_B4MFF6	MMYNDDILIFDII IA EILIPEILIDATAILIEILIPYAGTSMILI ILIPNQIVING
UniRef90_H9GPG8 UniRef90_G3QFS8	NRNGTYNTATFDVGDTEVQVLEIPFKDNELSLYVMLPTDS MMHQTTEVNYGQFQDTAGHQVELPYLGSAVSLFLVLPRDK
UniRef90_B4NZJ2 UniRef90_T1LYB8	MMTILIS A SILIFI <mark>C</mark> A YILIA DILID A KIV I IEILIN YILIN S TILIS MRII IFILIP N RII I
UniRef90_W2TDL5	F M Q S R A S Q L V A V H D G V K V L Q L P Y K M A A P D D Q W A G N T Q P S N M N G N R V V Q Y Y A E D E D M Q V L S L P Y F D T S Y A F N I L L P K K R F G
UniRef90_M0LEG3 UniRef90_W4P5G1	LMSQSAELRYAEIDGHQLVELPY ANGDTSMVVVVLPAEGE MMYQNME EAAYAETEKYQVIRLPYRDHAHSMVLVLPKEG AMHQVAEVSYGQFQDAAGHEIYLGRVASLLLVLPQDKGTP
UniRef90_E9Q6A2 UniRef90_B3MEP3	A MHQVA EVSYGQFQDA A GHEIYLGRVA SLLLVLPQDKGTPMMRQTGHFRYGESKRLKAQILQLPFEDSTMMIILPNEIDG
UniRef90_UPI00046375FA	
UniRef90_G0MA27 UniRef90_E5SCW1	F M Y R S Y S MLY S E N D Q F E ML R L A Y R P L Y S S F A M N I F L P K A H M M H V N D T F R H A E Y E Q F Q L L Q L P Y E N S K L A M C V L L P K E K F G
UniRef90_W5JFY1 UniRef90_C9JZ65	MKQRERLFHHGRSEQLGAQILRLPYQQNQLAMIVVLPDES MMRQYNSFNFALLEDVQAKVLEIPYKGKDLSMIVLLPN
UniRef90_I3LJB0 UniRef90_W2TJB6	MNEKEVNRY YVEDED MQ ALSLPYLDTS Y A FNLL PRKRFA
UniRef90_UPI00046BBE99	MMR Q K A R H R II I I I Q D P F II I Q C T I V I I Q M F H A A N A T S F F I V I F P Q R G A
UniRef90_D6WWH6 UniRef90_B0X107	MMFASARSVNYGKSDLLNAQFLEIAFEKHHASMVVVLPDQ MMYSKAVFPFAAFRELEAQIVELPYGSDSMMVILPRKGVP MMHQTAQLRYAEHDGHQFVELPYANEETSMVIIFPAEDEF
UniRef90_D3SW18 UniRef90_UPI0003EDDC05	MMYQTGTYKII IAFII IKEPQMQIVI IFII IPYIVINNKII ISMII I I I IPIVIGT
UniRef90_R9JGA9	MNMYLTELDYLSNDFMEGVILPYQQNGLAFVALKPTGEED
UniRef90_T2AU82 UniRef90_W5KHQ1	MNMYLTELDYLSNDFMEGVILPYQQNGLAFVALKPTGEED MMTLSDDFRYVDLRSEGIKMIELPYEYGYSMLVIVPDD MMTRSDKYYLAYDPSLKVGILKLPCTDGLAMLVLLPDEDD
UniRef90_R4WL96 UniRef90_UPI0003AFF361	MMNRDEKFPYRFSDKLNAKII <mark>C</mark> ELIPYKRNKFS <u>MI</u> LI VIPE MMTLDLKTPYFRDEELIG <mark>C</mark> TL VIELITYTSNDSALIFII LIPDEGK
UniRef90_A4IG87 UniRef90_B2X122	MMNRDEKFPYRFSDKLNAKI CELPYKRNKFSMILI VPE MMTLDLKTPYFRDEELGCTLVELTYTSNDSALFILPDEGK MMLRSGKYYLAYDPTFKVGILKLPCENGIAMLVLLPDEDD MMYREDDYLYGESSELQAQLLEMPYQGGEASMLIVLPNEI MMNMESNFMANTFPDLDAKVIELPYRNSSLYMQIFLPNKI
UniRef90_B3MKC3	MMN MESNEMANTEPDLDAKVIELPYRNSSLYMQI FLPNKI
UniRef90_J9P603 UniRef90_U5EIS2	T MHQT A EVNY GQF QDHQVQV LELPYLGS T A SLLLVRPR D K MMRRYNKFRIDETTIPNVQLLELPYEDQSDAVMWPNEGKSMNSKKYPVAHFTDPTLKAKVGQLQLSHNLSLVILVPQKHH
UniRef90_G1M7J1 UniRef90_Q5NBM0	FMTTFILIPFERHIVIAAFPGETAILIKILIPYKNIVIAFYMILILLIPDGD
UniRef90_Q5MGH1	MMY KEDNY KY A ECPGLQAQILEMY MGGQASMII VLPNEIE YMTQKSKFGYGYFDNLNCTALEMPYENSDLSMFVLLP
UniRef90_Q2PQP7 UniRef90_G3MFS3	MMYQKGTYKM
UniRef90_B7Q5W6 UniRef90_S9XTW1	VMTGTFDIPYGYFEDLQVDMAELPYRGS MMRLQGLLKLGSIKEPQVQVLEMPDAEDHLSMVIVLPSED
UniRef90_R7UQL3 UniRef90_I1GQB5	T MHT Q G V F K Y C T S S K L E C S I L Q L P M T N K Y M K L L I L L P K E G F M S S T K K Q Y L S S S D G L K V L K L P Y Q Q G G F S M Y I L L P E A Q N G M M T Q S H S F S F T F L E D L Q A K I L G I P Y K N N D L S M F V L L P N D I
UniRef90_F7IKF7	MMTQSHSFSFTFLEDLQAKILGIPŸKNNDLSMFVLLPNDL
UniRef90_Q008X9 UniRef90_U5YL56	MMN DV NVY P FIELK ELGIKI I ELP Y EN N Y SMIT LLPK D MMS QVA A F R Y G E F E QVA A S V L ELP Y T G E R V S M F L F L P P Q G MMR QVE R L G H A A A N G W Q L V ELP A V G G V A A S I L L P D R P
UniRef90_H8GFP1 UniRef90_U6DGI2	MMHAHIYPILIR WEILIEQPEII IQIVIAHEPEKNNMSEIVVI IMPI QEE
UniRef90_UPI00045D8F41 UniRef90_G6CU04	MTHKKYPVAHFTDPTLKAKVGWLQLSHNLSLVILVPQHTK TMYNSDTFYYIDSKELDAQVLELKYEGED <mark>C</mark> ALYVVLPDGI
UniRef90_A9NJ78	MMAQTNKFNYTEFSTPDGHYYDLPYHGDTLSMFLAAPYEK
UniRef90_V4T9B9 UniRef90_UPI00042C6659	MMAQTNKFNYTEFSTPDGHYYDLPYHGDTLSMFLAAPYEK FMTSKKNQFVSAFDGFKVLGLPYKQGEDKRRFSMYFFLPD MNSKKYPVAHFTDPTLKAKVGRLQLSHNLSFVLLVPQKHR
UniRef90_UPI00047E7EF3 UniRef90_F7FJL4	
UniRef90_UPI00038EF5DC UniRef90_M7BIW6	MMKEKASHHFLHDPELWGSVLQMDHAGNTTTFFIFPNRGK MMEARLRTKYGYFSESPMNFQPYKGDDFSLILILPAEGVN MMSDPKILRYGFDSELNCKIAQLPLTGGVSAMFFLPQKQN FMTSKKKQFIRAFDGFKVLGLPYKQGEDKRQFTMYFFLPN MNLRSJELPYGYYEPLNALSJELPFKTGSVVJIPVDKSGN
UniRef90_G7J5Q8	FMTSKKKQFLRAFDGFKVLGLPYKQGEDKRQFTMYFFLPN
UniRef90_B0WIB3 UniRef90_Q4SPS8	
UniRef90_S4RAD1 UniRef90_U6IT27	MMYKKAKYNFSHVEELNVNI VELPYEGHKLSMVI LVPTTG
UniRef90_R6WRV0 UniRef90_U5EVT8	T MCNTEEVS HYQDDSLQMVEMPYGQGYYSMMVVMPKKSEY MELLEAEFRYCSFKRTALLELPYQYQADAVMWIVLPNSNS MMKSSSSFGYGESDSLRLAKIPYEEQNVYMVAALPKDEEK
UniRef90_UPI0002656E8B	MMKSSSSFGYGESDSLRLAKIPYEEQNVYMVAAIPKDEEK
UniRef90_UPI000371325B UniRef90_H2TG59	MHLDESVGYAHESDWQVVRLQ ADGGIEATVLLPDND NSEKTVNKYLEEDLRFPGQVLELPYVGKELSMLIFLPKQL MMHQKEQFAFWVDTELNCFVLQMDYKGDAVAFFVLPSKGK
UniRef90_H2NM55 UniRef90_Q6XHX8	MMHQKEQFAFWVDTELN <mark>C</mark> FVLQMDYKGDAVAFFVLPSKGK MMSHIGSFKAAH
UniRef90_U6NMR8	MQAFNUYRLYAEDDEIEVLSLQYADTSYAFNIFLPKTRFD LYSSKFSLATTYMSNLKAQVAKFPLTGDSSLYILVPNTTT
UniRef90_W5L597 UniRef90_T1EMD8	$\bigcap I \cup I \cup D \cup C \cup C$
UniRef90_A0A016X0P3 UniRef90_H9K8Z9	MNDMEEHRLYAEDDDTQVLISILNYKDTSYAFNILFILIPKKRFG TMYNAGTFPFYEDKQLIGVKII LIGLIPYKGHEITSMYII LLIPKNA
UniRef90_UPI0003290978 UniRef90_L8GV22	MNDMEEHRLYAEDDDTQVLSLNYKDTSYAFNIFLPKKRFGTMYNAGTFPFYEDKQLGVKILGLPYKGHEISMYILLPKNAMMRLQGHFKLGSLEEPRVQVLEMTNAEDHLSMIILPSEDKMMEQNKLKTRHGSFADHAMVQLPYKGQDIVMLIMLPHENYMTARAKMHYGEEEKLKALWVEVPYTGGDDVSMLIIKPSK
UniRef90_U5EU26	Y M T A R A K M H Y G E E E K L K A L W V E V P Y T G G D D V S M L I I K P S K
UniRef90_V5G1A5 UniRef90_C5XKX2	T MY QSEYLSYYENPALNTKFLKLDYRGADISMTFVLPNAV F MSSTSKQCIACRPGYKVLRLRYAQHGGSMYIYLPDAHDG A RLEVSTSTHHGRIHSTTVPHQSLSAHTLLPEDISDGSTG
UniRef90_W5N5R1 UniRef90_B5DRT1	MMHII K D K E S H G Y II IE K II I <mark>C</mark> A Y IV I IE II IP Y K K S N II IS M IV V I I IP R D S
UniRef90_E1GGA6	MMI K M D E V P Y Y G D D S V Q V I K L P Y I G N E V E M V F I L P K T R F G
UniRef90_UPI0003318007 UniRef90_Q8R121-2	L V V L ME K T G D Y L A LE D Y L T
UniRef90_U2DD15 UniRef90_S5ZIX8	L V V L M E K T G D Y L A LE D Y L T F M N S T Y A V H S F I R G E G Y T S S A L S L K N N G S M L F I L P D K G V S A T Y L S G T V N A K V L E T D S Y L A V A L G Y V G T D I K F V A I M P K K A M M R K T E R M V Y S R S E E L L A T M V K M P Y K G N V S L I L V L P D A G Q
UniRef90_D5SHI6	MMRKTERMVYSRSEELLATMVKMPYKGNVSLILVLPDAGQ

UniDefor UDIO002DDE	250 260 260 260 260 260 260 260 260 260 26	270 280
UniRef90_UPI0003BBF UniRef90_U5EUT4 UniRef90_K7GFR0	P D A L L Q R L T G D I I S E V V Q E G I	A R QVEVKIPKFEFEQTVQL
UniRef90_F7ANH3 UniRef90_R9M6T0	E E RLE KLLT K E QLKI WMG K MQ ME D Y A A A L T G K R L Y E I L S G V Q L D Q A L D S L D G A A L A N L M T P K D G N F A P D L R Q M M E V V W N T H Y P E	KKAVAISLPKGVVEVTHDL ETL <u>V</u> ETAIPKFQ <mark>C</mark> EFAAEL
UniRef90_G1WLC8 UniRef90_H2YT09	D Q A D S L D G A A L A N L M T P K D G N F A P D L R O M M F V V W N T H Y P F	F S L A D A G L P K F T L E Y A T K L MET C E V H L P K F K V H H T V D D
UniRef90_B4MFF6 UniRef90_H9GPG8	LA QLERQLERHDLNQLA ARLH GPEAEDSLTHEHLLDWASHLK DSHLEPHLTASTLHLWTTSLR	RDMVTVRLPKFRIEFELDM PELVDLFIPKFSLEKKFYL
UniRef90_G3QFS8 UniRef90_B4NZJ2	DSHÎ EPHLITASTÎ HÎ WÎ TÎ SER GGERKVE EKTGELÎNYREQ	RARMOVFLPRFRI QNQFNL KNDVNVKLPKFKI ESSAQL
UniRef90_T1LYB8 UniRef90_W2TDL5	GGLRKVE EKTGLLNYRLQ SDHTQFSMCPGFLQDHLPEEY LEELRKKLDGNTVKKFSQLKS	TILGEFRVPKFKLSFYSSV TNLLQISLPKMKIETDYKL
UniRef90_M0LEG3 UniRef90_W4P5G1	FESFERSFTVDRLATLLEETS ISIERVMETADWVDDETDIC	R S E V D L T M P K F G L E S K F S L E V D F Y M P R F Q F D N T L S L
UniRef90_E9Q6A2 UniRef90_B3MEP3	LDHIEPHLTARVLHLWTTRLK LAEMEEKLGELDMNEVAARSK	RARMD V F L PRFK I QNQFD V
UniRef90_UPI0004637; UniRef90_G0MA27		
UniRef90_E5SCW1 UniRef90_W5JFY1	LEKLASQLSGEQLLDYMEEMI LEQLLVRLTPDIVHRELTELS	SKKVSITFPKFKLEETLPL EEELDLELPKFSLRYAGAL
UniRef90_C9JZ65 UniRef90_I3LJB0		
UniRef90_W2TJB6 UniRef90_UPI00046BB	UDELRMKLNGAAIRRVLSQLK 99 LAQLEDALLPETLIKWDRQLR	STY SSPKMK FETTLKL TRELDFHFPKFSLSSTASL
UniRef90_D6WWH6 UniRef90_B0X107	LDGI YQLETKINELFNFRDFC LKDVIGRLANFSMQTI YQEYE ESFEESF SVDVLAAMLDDAS 205 TEQVEKQLNTKTFHEWTSNMV	PETVNI WLPKFRMDSTFNI DDEVEVYLPRFEITADYKL
UniRef90_D3SW18 UniRef90_UPI0003EDE	ESFEESF SVDVLAAMLDDAS COS TEQVEKQLNTKTFHEWTSNMV	A S Q V D L A M P K F G I E S K F S L E R <u>E</u> V E V <mark>H</mark> I P R F K L E I K Y E L
UniRef90_R9JGA9 UniRef90_T2AU82	I R A L Y A Q L S A E I T D V I A N K Q L K H V E R H L T L M K V I A W L K M S S Y T F I D D S L T T E V F V G W V S K L K	
UniRef90_W5KHQ1 UniRef90_R4WL96		
UniRef90_UPI0003AFF UniRef90_A4IG87	Y T Y V D E S M T G E V F R G W V A K L K	S R H E L Y L P K F S I K S N Y E L K T K L E I Q L P R F S L K Q S N S L
UniRef90_B2X122 UniRef90_B3MKC3	E GL D S KL A S G F D L M S E L G K M H D G L S K L E S Q I G G F N R K L Y	K T K IV IQIV IT II IP K F K II IF T F II IDII I
UniRef90_J9P603 UniRef90_U5EIS2	E S EIV VIONII ID T KII IN EII ID O O M V E	RARMDVFLPRFRIENHFNL RTVERVEIPRFKIENRVEG
UniRef90_G1M7J1 UniRef90_Q5NBM0	LEDLEKSLNPTVFKALMKKLE GALKLADLTPEFIKKHTPAAE GLNGIMQKLAEGYDLMLNKLY	MSKFQLTLPRINVKSTQDM APVRRLMVPKFKESFKFEA
UniRef90_Q5MGH1 UniRef90_Q2PQP7	GLIN GII M Q K L A E G Y D L M L IN K L IY	S T K V Q V T L P K F K L E T E L D L
UniRef90_G3MFS3 UniRef90_B7Q5W6		
UniRef90_S9XTW1 UniRef90_R7UQL3	VGLGRREITYEKLNNWLGSAN WRKTEEKLKREHFENALSSLK	K H T I V I D II I Y I L I P K F H I L I Q M G N I L I S
UniRef90_I1GQB5 UniRef90_F7IKF7	LWSLAEMLTPEFLEKHIPTQK DEKLIDKISPEKLVEWTSHME	ERRVNLHLPRFEVEDSYDL
UniRef90_Q008X9 UniRef90_U5YL56 UniRef90_H8GFP1	IKKLEKILTGNSLTSWIEKMN FANMVSRLSGNNLRAATHQRN LEEAEPELDAATVTALLDAQR WNVSQVLANLSWDILHQPLLR	LYEVNVKIPKFKIEETYDL LRKQDVPKFRMEMKLSDEM
UniRef90_U6DGI2 UniRef90_UPI00045D8	WNVSQVLANCSWDILHQPLIR 41 HEDLEQGLNPTVFKAILRKLE	EKPTKVRLPRLHLNYQLDL
UniRef90_G6CU04 UniRef90_A9NJ78		
UniRef90_V4T9B9 UniRef90_UPI00042C6	AKDGLPTLESKFLDHHLPSQR	VEVGDERIPREKI SEGSEV
UniRef90_UPI00047E7 UniRef90_F7FJL4	F3 AHGCPNLTAATFDRLTATLAT	GTPVQLFMPKTDLSSQREL TRELDENERKESLSRTYR
UniRef90_UPI00038EF UniRef90_M7BIW6	NKLEEKLRDPSLLESVISIMF ESALTNILDAQLISQWKGNMT AKDGLPTLESKFLDHHLPSQR 59 LKDMEQALSPPVFKAVMRKAK F3 AHGCPNLTAATFDRLTATLAT VRQLKDTLLPELVKWDSLLR DC LEELEKLLTGHHMLKWFSELK MTLIEESLTSEFVRDIDRELK AKDGLAALESELLQHKLPFGK LTQVSSVIPKLNISDLYRR	GTPVQLFMPKTDLSSQRELTRELDFHFPKFSISRTYREEEVEIVLPRLNVEQKLDFTIHAVLSIPRLKLSSEEALVEVEVGDFRIPKFNISFELDT
UniRef90_G7J5Q8 UniRef90_B0WIB3	ÄKDGLAALESELLQHKLPFGK	VEVGDERI PKENI SEGLET
UniRef90_Q4SPS8 UniRef90_S4RAD1		ERIMHVNLPKVKLQYRQEL MSKLEVHLPRFRLEKSYTL
UniRef90_U6IT27 UniRef90_R6WRV0	L D D I E D D I E D G D F K WK T N Q D N	
UniRef90_U5EVT8 UniRef90_UPI0002656	SLGETLNVIN WN FLN SVERKL BB HIDDVIAGMSISELASTIESV	ETIEMIKUPKFTIENKIDI EQQPGLTMPKFKIAYDFDL
UniRef90_UPI0003713. UniRef90_H2TG59	SLGETLNVINWNFLNSVERKL SB HIDDVIAGMSISELASTIESV BB LATAEPELTRAKLRTLLESPS EDSTEKLLTYDNFMEWTRPDT MRQLEQALSARTLRKWSHSLQ	PRKIQLSLPKISLDLRAGL MDVVKVQVPRFKMEEK <mark>C</mark> NM
UniRef90_H2NM55 UniRef90_Q6XHX8	MRQLEQALSARTLRKWSHSLQ	KRWIEVFIPRFSISASYNI
UniRef90_U6NMR8 UniRef90_W5L597	F T N M R W N L T A K R I G E L S K L D L E D N L N E N N L R A M V R E M T G F R L E N V E K I L E S G V L L E I N E R L T L G E L V E K L D G E K I Q H L L S K L E G R E F Q N K L T V D D I I E N L V K N M K V G Q V T K E I T H E K L K H W L S S A D S P S A L Q S V V S E K I N H N Q R S M Q P H Q L D K I I E K F D Y N H L S S I Y E D G L A A L E E N V E Q L L V T Q P L I L P A L L H K L S A D L E S S R T L T S E L E K L E K E L T L E K M Q E W T K R E N N G L Y Y R N I H E I D L Q E L V P T E P L A N V L K F L T G E K L F K Y I R D A Q V D L V E T W L Q N M K T R K M E V F F P	QTYMTILIPKMKIJETNLKL QEM <mark>C</mark> EVTLPKTKLSLSTDL
UniRef90_T1EMD8 UniRef90_A0A016X0P3	LENVEKILESGVLLEINERLT LGELVEKIDGEKIQHLLSKLE	ETKLKI RLTKFSLTNEPKV LAYLSLTLPKMKVETDFML
UniRef90_H9K8Z9 UniRef90_UPI0003290	GREFQNKLTVDII I ENLVKNMK VGQVTKEI THEKLKHWISSAD	NET CII I S M P R M K I I S S T L H L M K D T A V D L H L P R L E V H E D V
UniRef90_L8GV22 UniRef90_U5EU26	S P S ALLQSIV VIS E KIINHN Q R S M Q P H QLLD K L I E K F D Y N H L S S I Y E	QSEVNIKLPRFKFEYEVEL KMDDFVSHPKFTIKSSTSL
UniRef90_V5G1A5 UniRef90_C5XKX2	D GLIA ALLE ENVIE Q LL VIT QPLI LP AL LH KLIS A DLE SSRT LT SE	KAILLEVEILPKFVTETSILKF VPVRAFRVPRFTVAYRTNA
UniRef90_W5N5R1 UniRef90_B5DRT1	NGLYYRNI HEIDLQELVPTEP	MDIGIV <mark>H</mark> LPKFKLQDDYEL PAELELSFPRFRLEYRSDV
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UniRef90_Q8R121-2 UniRef90_U2DD15	II ID SIL LIQ S P E K A A KIL IF D E Q G S II	N G K V F Q P K
UniRef90_S5ZIX8 UniRef90_D5SHI6	DLKSFMTKISEKFTELMKKED FHLALKEITAKRARLQKASGF	ERVKLVLPRFDIDSGITEL RLVH LVLPKLKISSKINL

	290 300 310 320
UniRef90_UPI0003BBF32A UniRef90_U5EUT4	NSHLRSLGIEDLFNSKADLSGMARARDLFISKIIHTSFVE PEVLNLMNLGAVFDPNYTSFSSDTNAPLIFDDAVQKSLIK
UniRef90_K7GFR0 UniRef90_F7ANH3	QKHLAGLGLT E ALDNKADLSRMSGKKDLYLASVEHATAFE
UniRef90_R9M6T0 UniRef90_G1WLC8	S D S II IK S II IG M T D A F D W D F A A M G S S P N G P II IY II IS R IV I I <mark>H</mark> K T Y II IS
UniRef90_H2YT09	I GALLOLMANDS DUES PDDA DUSUMT TEOLLYVS DMR HOAVIK
UniRef90_B4MFF6 UniRef90_H9GPG8	T G P L Q Q L G V R R M F T P K S Q V D A M L L Q P V R V S K L Q K A F D N Q Y L D L H D L S D P K K A D F S Q A T T T E G V T L T Q L V H D A F L E
UniRef90_G3QFS8 UniRef90_B4NZJ2	T G P L Q Q L G V R R M F T P K S Q V D A M L L Q P V R V S K I L Q K A F I D N Q Y L D L H D L S D P K K A D F S Q A T T T E G V T L T Q L V H D A F L E K S I L N S W G V T D L F D P K A N L K G I S G Q D G F Y V S E A I H K A K I E R G I F E K L G I R D V F K P S A D L N G L V L D S G A K I D K I V Q K A F L K
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UniRef90_D6WWH6 UniRef90_B0X107	D K
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UniRef90_A0RZ04 UniRef90_F1L6V2 UniRef90_Q17HE3 UniRef90_UPI0003D0EB3C UniRef90_UPI0004761E8D UniRef90_UPI000237A458 UniRef90_UPI000237A458 UniRef90_UPI00038E9DB UniRef90_UPI000359277C UniRef90_UPI0003B7787D UniRef90_UPI0003B7787D UniRef90_UPI0003C270E0 UniRef90_G1RC58 UniRef90_UPI000479EDB UniRef90_UPI0003B6DA74 UniRef90_UPI0003B6DA74	T T P D N V K F E D R T S V A N S I N R W A S E S T N G R I Q K F I S E D D L D S D I V S I N F T D C R R A K T Q I N N Y M M T K S N K E I K N I V K N L E N D A V R T A P F H A D R E K A R A E I N T D V A E T T R G L I E D L L P P I L S S D S A V R N A P F R A P E E A R Q L I N A D V S E T T R E L I P E L L P S V D P E G K I K N I V S E F G P L N K I K E L L S T V N S D A V R N A P F R A A E V A S Q V N S W V E K V T S G L I K E I L L P P G S V D A M Q S C S C E I R A A E V A S Q V N S W V E K V T S G L I K E I L L P P G S V D V R P K A L L G G A K D T K E I N D W V S Q Q T G R K V Q Q L T K G L P R T T A I K L V N F Q D T K A S T E A I S T W V E N K T D G K L K K I V S X F D P L T S V E S V D F H A P E E S R K K I N S W V E S Q T N E K I K N L I P D I D N I A T A E E A E L G S Q D T A D E I D A W V R E H T E D R I D G I A E E L N A N A D A E D V A P D K I T D A V N D W V N K L S M I I L L P V G T A N V K	
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UniRef90_R7E5Q8 UniRef90_UPI00042CA9A1 UniRef90_UPI000161C2E0 UniRef90_T1JV43 UniRef90_V8N7G3	QSPGQAVKAINDWASKKTHGMIPGIVTDKSITASVESDFKYAAEESRKMINSWVESQTNERIKDLFPELDSSETLHKFSFGQRNELVQQINNWISSETNNKVRNMINSITKDASLRSV DFNSNGVVDKINDWVTKTTKGAIKKLSSPISPAQMVKQVDFSESSRARDLVNAW GFLPEGALGAM	

	470 400 400 000
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UniRef90_X1PDR5 UniRef90_B0WQ09	ALTRILVLITNAILYFNAAW TT <u>M</u> VV <u>A</u> NA <u>M</u> YFKA <u>F</u> WED <u>V</u> F <u>T</u> AGAT <u>K</u> PRKFF <u>PN</u> SEES <u>V</u> EVD
UniRef90_B7Q685	T QL <u>V</u> V V Q A L <mark>H</mark> F R A <u>L WD</u> F Q F <u>V</u> R E D N <u>V</u> R R D F T D <u>V H</u> G D K <u>H</u> M <u>V</u> D
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UniRef90_Q10GX0	H T T R L V N A L Y F K G A W T E K F D A S K T K D G E F R L L D G K S V L A P
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UniRef90_W3APP9	A DIL I L VIN TILIYILIR T A WIVIN E F Y D Y A T R E G N F Q T IL IA G N II V IK K D
UniRef90_B4J895 UniRef90_UPI0004430E76	SSVILVNSLYFRAKWATRFSVERTAIDDFRINQNQRMMVPPLSLLI FVNTINFKLIWKNEVEPMKKILPSHKME
UniRef90_H9K580	SLMLI VNTLFFKGLWRKYFSPENTRNGKFYLIDNRTVDTS TAVVLGNAI YFKGKWDRPFNESDTERKPFYRHDAAVADVP TTLVLVNYI FFHGKWKDKFKFERMVEGDFHVNEKTTIEVP TRLVL LNAVYLSAKWKTTFDPKRTSLEPFYLKSSVIKAFM
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UniRef90_UPI0003ADAD52	TRLVLLNAVYLSAKWKTTFDPKRTSLEPFYLKSSVIKAFM
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UniRef90_A0A023FH99 UniRef90_E3IWZ9	TTLILVNAIYFKGLWKSQFNTRATRSSDF <mark>H</mark> LDSKNKKQVD TRLVLANALYLRA <u>P</u> WNSPF GDAQPA <u>P</u> FTRLDGS <u>VV</u> QAQ
UniRef90_H9KRD2	T DL V L A N A V Y F K G L WK S R F N P N N S K K D I F Y S S K S Q H S M V K T R L V L V N A L Y F K A P W L Q Q F E G A S T S Q G V F F T P S G P K Q V M F
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UniRef90_D6WWH4	I GEEN LISASHEGACWAKEEASKRIHKDNEYNKII II ()KI SIVID
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UniRef90_C8WJC2 UniRef90_A0A034VVP8	II I I I I I I I I N A I V I Y F K G G W M D T F D A A N T A P A I V I F H A A S G D I V I F T O F
UniRef90_C0J8G3	STVLLMSDKYFDSFWKSPFNAAYTRMEPFYSKNGLKI EVA
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UniRef90_W5DL70	TVATL VNAL YERTSWISGFTERETSPOPFHAPGGRRDVPT STTRL VNAL YEKGAWTEEFDASKTKDGEFHLLDGSSVQAS
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UniRef90_UPI0004761E8D UniRef90_U6HXN0	T A S T MV S A L Y L K C A WL T R F A Q D A T E P R V F T T P T G P V E V P T T L MV L L S A I A F K D N WA K T F M V E N T V K R D F Y L K K G V S V K V P
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UniRef90_F1L7I9	PNLFLVNAVYFNGDWAKKFKYEETFSKEF <u>YLSKDKVKQV</u> D
UniRef90_UPI00035A0691 UniRef90_R0G9N0	VSFLFVLAKXEKPFNPAYTKSFPSLVNKGTTVQVPPNLFLVNAVYFNGDWAKKFKYEETFSKEFYLSKDKVKQVDTVIMLVNAIYFRGLWQTPFDADYTSPTTFHGIFLHITHRPNLTNWINALYFKGAWENEFDKTSTQDRPFHLLNGKKVYVPTTRALLVNAIYFKGLWENPFRKELTREKDFHVTKDNVVKVPTTRALLVNAIYFKGLWENPFRKELTREKDFHVTKDNVVKVPTTMSILNAVSFFAFWEDFVDFRKELTREKDFKNSDGSKSPVD
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UniRef90_W7IXU4 UniRef90_B4JAP4	TIVIS AII VIN AII IYII IKIVIA WR N R F A F G G T F P R P F R T P S G PIVIDIVIP T
UniRef90_B4Q673	TRMIMANALYFKAMWEIDFIVGSTRVEDFYPNTQPALPVEESAVLVNTVYYRGAWKTMFSKKGTKLNIFYGDHNRKAYVR
UniRef90_H5XGI8 UniRef90_UPI00027435A1	TIVIA GIL VIN ALLIYIL IRIVIG WT F P F R F A D T A D G D F H T P S GIVL IVIRIVIP
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UniRef90_L8Y7B6 UniRef90_T1K451	MIQGLGMFDLHWDQELASXLLRKRAEAESAS MNSKKYPVAHFTDSTLKAKVCSWSFPFLFLRLCLAEAGIV FMTSKTKQYVKAFDGFKVLGLPYKQGEDRRRFSMYFFLPD MLNLLGIFDLHRDQNLSCWVVLEHMKGGATAFFFLPDPGK FMKLTANLMYGVSEALRCTVLELPYANQDFSMLILLPDAS MMTQKASYPMADFVDLEVRALKVPFETHEMLIVLPEKNDG
UniRef90_Q8WT41 UniRef90_UPI0002658735	TOTAL QUINK TAKOKI PLINATIN PEPEPET TO QUOUN PEPEPET DOWN
UniRef90_A0A023FH99 UniRef90_E3IWZ9	ILIM SIVID A Y D A G Y A T G P D W Q A IVIDIVIP Y A G G F ILIA M A IVIL I IP D Q G R
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UniRef90_I0TEB1 UniRef90_Q08519 UniRef90_UPI000374E861	MMHKFDQDKNFGYEGKQYKVLTLAMQNGFFMYVVLPHKGK MMSNKDIYSYGYIKDSDIKI I EI PYKDRRFSMFI PITKVY MHNSERLGYAAADGW QLVELPAAGGVQALI LL PDQG
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UniRef90_UPI000443656C UniRef90_D6WWH4	MIMIY OSADIVIN Y GOEON GOVIGIV LIEILIP Y R GSSIVISILIEIL V LIP WN K
UniRef90_A3C9V4 UniRef90_UPI00045EC2BD UniRef90_C8WJC2	T M Y L L G Y F N Y G Q S K Q L E A K F L E L N F L E Q Q A S M V I I L P D K F M Q R P S G S Y H H V A C H D G F R V L R L P Y K S F A M L V F L P D D R D G V Q L M S G G S G A G R T A G G W V A V E L P Y R D G T L T A V A M L P P S G T M T Q R L D S L Q G F R Q T D D F L R A R L A F T G G T M M T F V L P A E G V S
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E K V L S N L Q K H N G I H F A N R L F V S D A Y E I N E D Y N N L M N N T K

R N Y P R N R H A P Q E V H V A N G L F V K H G Y N L N P D Y R Q A V V S I Y K

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

E V G K T G D D G L Q S L V A N G F F I K S S I I L L A

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

V Y A D R S A T G G P K I T A A N G L W L D K S L P T D P K F K D L F E N F F K

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S V T

N N A S F D L A Q K I Y G S D I E F H A S F L Q K I K D D F Q

W Q S H Y V N D G A T T C I L A S S L W L N Q D V T F V Q S T L D T L S K T Y Y

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W E S N Y V D T P L I K S L A D S L W L N N S V S Y N E E T L E R L A K I Y Y

L H N L A G L R K N D L Q I A T Q I F L R Q G F Q P K Q D F V N K S R H L Y G UniRef90_C5WY81 UniRef90_M3ZZD2 UniRef90_W5H3T8 UniRef90_U2J9X2 UniRef90_B3N6Q7 UniRef90_B4KGA6 UniRef90_G0M9Y4 UniRef90_W2SW37 UniRef90_W4WWN7 UniRef90_Q6Q2D5 UniRef90_Q9SH52 UniRef90_G6DTM3 UniRef90_U5T9V5 UniRef90_R6HAY5 UniRef90_Q2R8P2 UniRef90_H2KUQ9 UniRef90_UPI00046BE282 UniRef90_H1HV98 UniRef90_H2S5C6 UniRef90_K3XQ14 UniRef90_B4MLK7 UniRef90_V6LWZ2 UniRef90_U2TSH8 UniRef90_M4E6R2 H L N V S S T I E I A S L L A V Y T D K N I E I N S N Y R D V V K LHDTRETGDPLALKSANSIWLRDGLSVCDSYLSTCKGSLAVFADQSASGGPKITAANGLWIEKSLSVDPKFKDLFENFFNWVMSCVNERKRMLEMLSRVYL PDALLNPELVAHLRDNFGGVTLSSTNFVFLDNDFKVFPEFSRTLVSDFKWRSNYIPGDDISLEMHNSIWLLEGRRYNKEVLDTISKKYYNDTG DADTALGIANALWLAKGLPVRDEYVAEAHAGFG UniRef90_M4E6R2
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UniRef90_F4XGD6 T Q S F S F T N R D V Q L A T V Q Y V I T D Q N R P V S K D F D Y S L E T F Y D SDTPGGDDGGPRVRFANGVWVDAAMRLKADYAAVVSQHYRVLVDGSKTGGPKITVVNGVWREQSLPCSPESKDLFENFYKLHTLDLPSSKLELKVRHSLFLDRQLKPQQHFLDSAKELYG FVD GRPVGGPRLSFSNGVWVDKSLPLKHSFGQIMKNVYLHALLAPGCGPQTRTRTRSFVDQRRFLRPHFVQVAASLFLTVLNRTDAPFTFSVANRLYREKSCPFTQEFLIQSKKHYLTSKNFVFLDNDFNVYPDFRLRLQKDFYTNDGVS SLILSNSMWLNDAQEGDYVQSTLDTLGRDYMFFAHYAPVEVDIGNAIFAQRGQQFGDRYQKLAEQLY UniRef90_g6Q2D3 UniRef90_F4XGD6 UniRef90_B0WQ13 UniRef90_K7H2S9 UniRef90_B0WQ12 UniRef90_B8LDN7 UniRef90_D2Q5I5 HNETDFERYSHELQLANGIFVDNSFVLNPQYMRAAQELYRAEQTNSTSDVQLSMATSIWTDGLKQSYIEAAKVSQSRSIIGKRSGKSRLDAANSIWARRDLTLNKDYTDAVRRIFGACRRSAGCSNPEVRSAMAVWVDASLRLNPAFADTAASVFKWLANYADDGVVTCKLNNSLWLDQDRTFNDSLLSKIKDEYYYTDSANSKTLLANSLWLBGQAYKTETVERLANDYYEKRTTAQAPGFQLSVSNSLWGREGYPFSDDYLALLEEHYGTNVSCVLPYQFILKQKSAAFVDSSVVVVKETFCKYLRIFYDDVIFELANRFYVSETETVTE CLKCHFSLNDLAKTQFDVYPPYWNAVFVQDGVQLDGNFGYFSKHYYNLATLNAPSTNYTLSFANKLYGDHAIAFIQKFIYCALKLYWKTSQSLQMASQVYYNPQMNLSESFTERSIQHYE UniRef90_B8B018 UniRef90_R9LWW4 UniRef90_R5RYH0 UniRef90_M0H2R5 UniRef90_D1MYQ5 UniRef90_D1FPI6 UniRef90_W5J923 UniRef90_UPI000462C953 UniRef90_U1SRB9 UniRef90_W5PTH0 UniRef90_Q53KS9 UniRef90_D1QPS7 GLADESESGGPRVSYA<mark>C</mark>GVWHDERLALKPAYRA TVKSRSESSDATLTSENKVAVGAGVNLLPAFEE UniRef90_D1QPS7
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UniRef90 C5WY81	130 140 150 160 A E V R A D F Q T K A E E A R Q E I N S W V S E A T K G L I T D V L S P G S V D
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UniRef90_U2J9X2 UniRef90_B3N6Q7 UniRef90_B4KGA6	T N
UniRef90_G0M9Y4 UniRef90_W2SW37	A R E F VT N F N E K T E T A E I I N S K M S E M T R T Q I T D I P D G I E E D ML R K E E S R Q W L M K E R S E V F F F R K
UniRef90_W4WWN7 UniRef90_Q6Q2D5 UniRef90_Q9SH52	SEVINDFRTKAREARDII NAWVKKRTMDKI DSI LDEPPRA ASI KVLDFSDPNSARIA NTYI EKSGGRVSNVLRSDDFQE AYVPVDFRSEAEEVRKEVNSWVEHHTNNLI KDLLPDVTSL
UniRef90_Q95H32 UniRef90_M8C048 UniRef90_G6DTM3	A E
UniRef90_U5T9V5 UniRef90_R6HAY5 UniRef90_Q2R8P2	T VNFNNANQTKELINEWVKTMTNGKINSLTNPLSLN ASTYQGKMG SKETNQALRSWINEQTGGLLQE <u>QA</u> EELS <u>A</u> E
UniRef90_Q2R6P2 UniRef90_H2KUQ9 UniRef90_UPI00046BE282	S DIVIE NILIA DILIE TIVIE D R R RILIN Q WIVIA QIVIT R S KILIP E IL ILIG GILIA A D KILID F AIVIN P E ILIA N K YILIN N WIVIS N H T N QILILIK DILIF PIVIG MILIT
UniRef90_H1HV98 UniRef90_H2S5C6	A S S F R G K P G S P E M D A A L R K W T D Q N T G G L L T E Y T K N L E P D S E P A E L K S L Q Q I N D W V Y N A T N G K M P Q F L S A L P L N A R R Q M N Q W I E S A T A G R I K D L I G S I S R A
UniRef90_K3XQ14 UniRef90_B4MLK7 UniRef90_V6LWZ2	A Y Q V Q P V D F F S S D S V M R I N E D I K K S T R G L I S D A V H E Q N I Y A M A A F K I D P Q P L L S A E Q V N K W V S D N T A G M I P K I L E K I G D E
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UniRef90_B0VZU5 UniRef90_J7HF01 UniRef90_H3NQJ6	T G S E I VN F A E G S E VA E R VN S WV N E S S R G MI P E F A D E L S G D A T V D V L D F Q N P N S A E M A N N K I Q R T S G N V K N V L R S D D F A E A S T F S G K F G T K K Y D N M M A D W L N S N T N N T F E K S L K N F E N E N
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UniRef90_UPI00042B1AE0 UniRef90_UPI0004441D49	A A S Q V D F Q T E A D L M R S E V N L W A E K G T N G L I K Q V L P P G S V N M D V V P V S L S G Y D A A R G Q V G A Y L S E R P Y G G V R M L I R A V S P D
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UniRef90_B0WQ12 UniRef90_B8LDN7	S E V Q R M S F S Q P V E A T R Q I N E W V S R N T H G K I P E L F P T V D S N A E T F P L P E T F T P V D D W I E N K T M G M I P K M M G D L D P L
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UniRef90_UPI000462C953 UniRef90_I1SRB9	SHVEGADI HDPEEVRRI I NLWVEVQTHGKI KCLLPKDSFD ANPVKLLET PEENALMI NSWVANKTKNRI THLVNSVPPS
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UniRef90_I1IN70 UniRef90_UPI000359883D	F Q G K A P E A C R R I N E T S S L E P A D F G E S N R T T M D V S K G T P R Q N T G E G P G S P L W E Q Q S A T L A S D F K T K A S E V A K E V N L W A E K E T N G L I K T I L P A G S L D
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UniRef90_B7FM49 UniRef90_C8VZZ8 UniRef90_I1IMH8	A V G H I N N W V E R K T Y G K I K D L L S P G T D Q A A L S S V D F Q N A V E V T N E V N S W A E K E T N G L I K E L L P L G S V N T S I F T A D F A D E N T G K A M G R W I S E N T N G T L A P E F K T N T E S V A K T A D F K D P E D A A E Q I N S W V N K S T K Q T I T S L L P D G L I D
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S A T G L I
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JARRISON COMYDS		210 220 230 240
JINRESO, BUNKOY M M S, QIV. G R F R M A K G S Y C G M LEL L P Y D S S L S M L D L P L P R S Y M M R S W S Y M M S W S W S W S W S W S W S W S W S W	UniRef90_C5WY81 UniRef90_M3ZZD2 UniRef90_W5H3T8	LMRGRGSYLVAVHGGFKVLKLPYPRFGGGMRMAKVARRGD MMFRADKYFLAYDSNVKAGVLKLPMADGAAMLAVLPDEDD SMTTGRSQYLALYPGFRALKLPYRTDGDRQAAAFYMLILL
JARREDO JANSON JARRED	UniRef90_U2J9X2 UniRef90_B3N6Q7 UniRef90_B4KGA6	MMSQVGRERMAKQSYGQILIEILIPEDNSSILISMILLIGILIPILIHNSY
JAMES DE JESTONS M. M. N. DICE DE JE N. J. N. D. S. D. S. D. N. D. N. D. S. D. D. D. S. N. D. S. D. N. D. S. D. D. D. S. D. D. D. S. D. D. D	UniRef90_G0M9Y4 UniRef90_W2SW37 UniRef90_W4WWN7	YLSKQFTTELAQDGVLQVVRIKFQDESFSLDVFLPREQFG MNAYNVRRSYTENDDMQVLSLAYTDPTYAMNLFLPKKRFG MMYNGGNFPFYEDKSLGVKILALPYKGLEMSMYILLPKAE
June 200 Sept 300 MM M M N Q IL D N F K Y T E LE K S P D D V M D I I P Y K A G S B S EV M D S S T M M M M N Q IL D N F K Y T E LE K S P D D V M D I I P Y K A G S B S EV M D S S T M M M M N Q IL D N F K Y T E LE K S P D D V M D I I P Y K A G S R S R K F S M Y I I P D O S T T M D S T M M M M M M M M M M M M M M M M M M	UniRef90_Q6Q2D5 UniRef90_Q9SH52	EMSSYENOYIVIRAYDGEKIVI IRII I <mark>P</mark> YORGSESMYEYI I <mark>P</mark> DKKDG
Junkergo Q28862 Q28862 Q38862	UniRef90_G6DTM3 UniRef90_U5T9V5	MMNQII IGN FKYT EILIKS PDIVIQII LIQILIPYKA ADII ISFIVI I <mark>C</mark> ILIPRGII I
Junkergo	UniRef90_Q2R8P2 UniRef90_H2KUQ9	F V E Y D R T R L F A V H D N F K V K L P Y K Q G K N E R K F S M Y I F L P D M M F S H Q S Y P A F L D D A K A I K D F N G F R W K M I L L I P N Q Y
Jinkelego SaxCo14	UniRef90_UPI00046BE282 UniRef90_H1HV98 UniRef90_H2S5C6	IVIMEDAKHPILISILIFII IDNEMDAQIVIARFRFRKILIMSILLVVIMPTSS
Junkelego U275H8	UniRef90_K3XQ14 UniRef90_B4MLK7 UniRef90_V6I_W72	F M S S T R D Q H I A R R A G Y K V L K L P Y Q Q R I F S M Y I Y L P D D H Y G T H T A N F A F A T K I D G L D G Y V L E L P Y G E N D S H S M I I L L P R P G M Y A K R H M G Y A R T S T A O V V L E L F Y A D S D I V A R I I L P I P D G
Junkelgo Hanouse Cactor Mink R C G Web D Y R S D D N S D G I SIL ELL P K N D N S K WAS FL P K E G K T Junkelgo Baham? Mink R C G Web D Y R S D D N S D G I SIL ELL P K N D S S F V M FL P K E G K T Junkelgo Baham? Mink R C G Web D Y R S D D N S D G I SIL ELL P K D G S F V M FL P K E G K T Junkelgo Baham? Mink R C G Web D Y R S D D N S D G I SIL ELL P K D G S F V M FL P K E G K T Junkelgo P S D Y S D N S L K V L K L P P D G S G G D S R W S L L P R D G S D S D N S D S D S D N S D S D S D S D	UniRef90_U2TSH8 UniRef90_M4E6R2	MMRSHEV <mark>C</mark> YLEGDSAEGFVKPYENHDLAFVALLPKTDVGU FMTSSDDQYVRAYDGFKVLRLPYRRGSNDSPURKFSMYFY
JAINGRIGHO JUPI000441844 JAINGRIGHO JUPI000441844 JAINGRIGHO JUPI000441844 JAINGRIGHO JUPI0004281 AGE JAINGRIGHO JUPI0003298 JUPI AGE MM K Q Q K B W R F F L Y Y J D G E A S G T T V L Q L P Y K G N G Q V A M Y L L L P D E K D G MM K Q Q K B W R F F L Y Y G G G D F Q W A M Y L L L P D D G K D G MM K Q Q K B G Q Y L K R Q P Q H L H S H L L R L P F S G G A F A L F L L P D S G H MM K Q C E D F A Q T F T Y Y W W K K L JAINGRIGHO JUPI0003298 JUPI000329	UniRef90_J7HF01 UniRef90_H3NQJ6	MMNQKSIFPFSNVRAMK <mark>C</mark> FALELPYGDDKYAM <u>LFLL</u> PYQG MNKQFENGYFSAD NSDGISLELKNTNSKFWAFLPKEGKT
Junkel90 G20SHS3 Junkel90 G31927 MM Q Q K E M H R F LL Y D Q E A S G T V L L D L P Y A S G F S M Y L Y L P D E R D G JUNKel90 G31927 MM Q A K E M H R F LL Y D Q E A S G T V L D L E Y S G A L L L L P P D E R D G JUNKel90 G31927 MM C A K K M K K D Y D G F K Y L R D P Y A S G A S G T A L L L L P P D E R D G JUNKel90 G31927 MM C A K K M K L N Y G E R D S H F O Y I Q L P Y K G G A S G T A L L L P P D E R D G JUNKel90 G31927 MM C A K K M K L N Y G E R D S H F O Y I Q L P Y K G G A S G T A L L L P P D B G K M K K K K K M K L N Y G E R D E K M K K M Y D G F K Y L G L P Y K G G G M X M T L L P P D B G K M K A K K M Y W L R D P Y K M K D R H M K K K G Y I R A Y D G F K Y L G L P Y K G G G M X M T L L R P P D S G H M K A K K A G W M K A S K A G F L K K G Y W M K D C H L M A A S A A G F L K K G Y W M K A S K K G Y W M K A S K K G Y W M K A S A A L E T Q L G E M F F Y D P B P B T A K K K G Y W M K A S K K G Y W M K A S K K G Y W M K A S K K G Y W M K A S A A L E T Q L G E M F F Y D P B C B C M M M Y Q K A Q M P P F S M L R D T K W L G L P Y K K K N N T M Y W M F P B P B T A M Y W M K D S M M M A S K A G S F L K K O G Y Q A A A L E T Q L G E M F F Y D P B C B T A M Y W M F D S D JUNKELS B D W M A A F A T E T E M Y W M K D S W M M A S K A G S F L K K Y G W Q A A A L E T Q L G E M F F Y M Y W K D S R K Y G M M M A S K A G S F L K K Y G W Q A A A L E T Q L G E M F F Y D S D D JUNKELS B D W M M A S K A G S F L K K Y G W Q A A A L E T Q L G E M F F Y D S D D JUNKELS B D W M M A S K A G S F L K K Y G W Q A K W L L L N X W N P P Y R F M F S M K Y G M Y M K D S W M M A S K A G S F L K K Y G Y Q A A A L E T Q L G M Y M Y W M F L L P A T G D A G M Y M Y M Y M Y M Y M Y M Y M Y M Y M	UniRef90_B8AM77 UniRef90_X1YHC6	MMFQRGII IFPFAGYKDILIDAQII LIEILIPYGADSMILLI IMPRKGIVIP
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Juriker90 UP10004441049 Juriker90 UP10003298030 Juriker90 Ge0203 Juriker90 Ge0203 Juriker90 Ge0203 Juriker90 Ge0203 Juriker90 Ge0203 Juriker90 Sex KGG66 MM Y Q K A Q S F LK R D Q Y D A A L E L Q Y G D Y S ML T F LP H P N T K Juriker90 E000472 Juriker90 B0WQ13 Juriker90 B0WQ12 MM A S A G S F LK R D G Y D A A L E L Q Y G D Y S ML T F LP H P N T K Juriker90 E000472 Juriker90 B0WQ12 MM A G G S F LK R D G Y D A A A L E L Q Y G D Y S ML T F LP H P N T K D C Y A A L E L Q Y G D Y S ML T F LP H P N T K D C Y A A A L E L Q Y G D Y S ML T F LP H P N D S D D Juriker90 B0WQ12 JURIker90 B10N7	UniRef90_G3l297 UniRef90_G0QR77 UniRef90_UPl00042B1AE0	MMQQKEMHRFLIYDQEAS <mark>CTV</mark> LQILEYSGTALLLLVLIPDPGK MMKAKNKINYGENSHEQYILQILPYKGNQYAMYILLISVNMTI
Jurike900 MWO13 Jurike900 MWO12 Jurike90 MWO12 Jurike900 MWO12 Jurike900 MWO12 Jurike90 MWO12 Jur	UniRef90_UPl0004441D49 UniRef90_UPl000329B30A UniRef90_Q6Q2D3	T M Q R L G D F Q L K R D Q H L H S H I L R L P F S C G A F A L F L L P D S G H
Jurikef90 BBUDN7 Jurikef90 BBUDN7 Jurikef90 BBB018 Jurikef90 BBB018 Jurikef90 C2QSIS JURIKEF90 SPEL GA KILL GLIP Y KS N H.S T M Y V.J K P N N S Y K N D S RV J K A A A VIS S A L D Y G N V T E P E E S S L F I L P A T G D E VIS JURIKEF90 C2QSIS JURIKEF90 RSRYH0 JURIKEF90 RSRYH0 MN	UniRef90_F4XGD6 UniRef90_B0WQ13	M H A S K A G S F L K R D G Y Q A A A L E T Q L G E M F F <u>V L P E E G T A P E T</u> T M V H G G C F P Y Y Y W K E A D T K V L I G I P Y K K N N T M Y V F L I P N D S D
JURIESSO SENTHO JURIES	UniRef90_B0WQ12 UniRef90_B8LDN7	MMAHGGCFPFYDSPELGAKILGLPYKSNHSTMYVIKPNNS YMKDSRVIKAAVSSALDYGNVTEPEFSSLFILPATGDEVS
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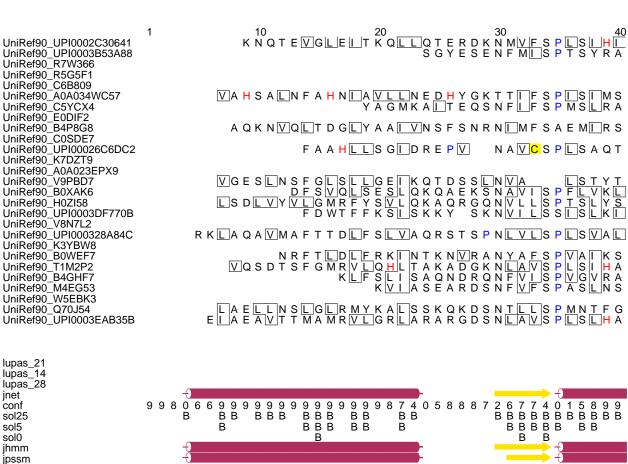
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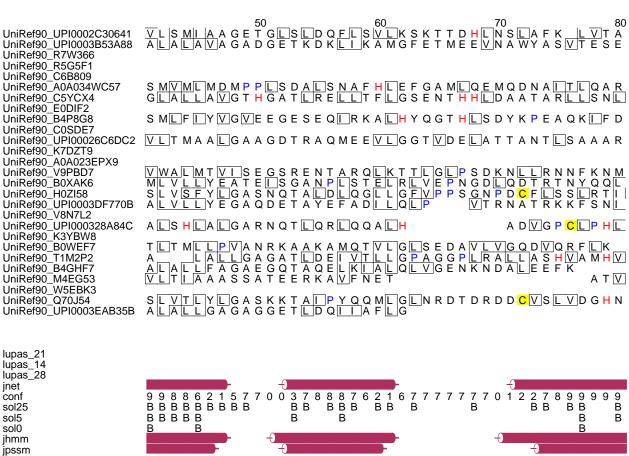
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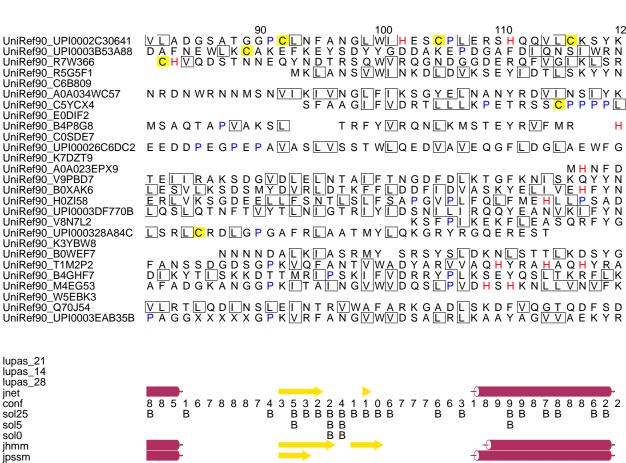
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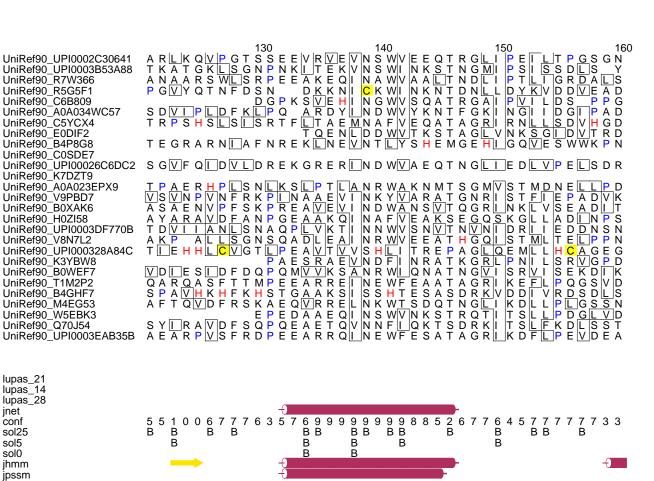
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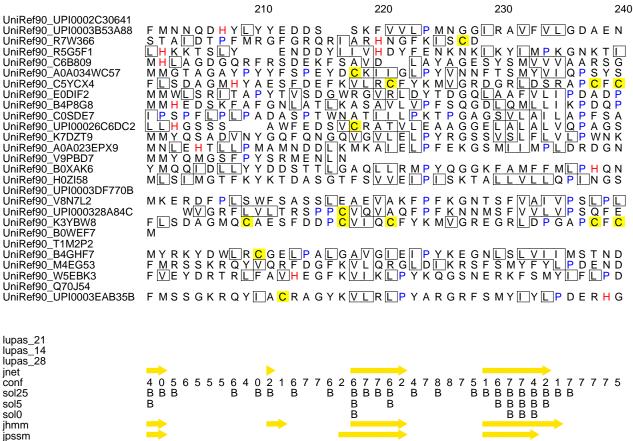


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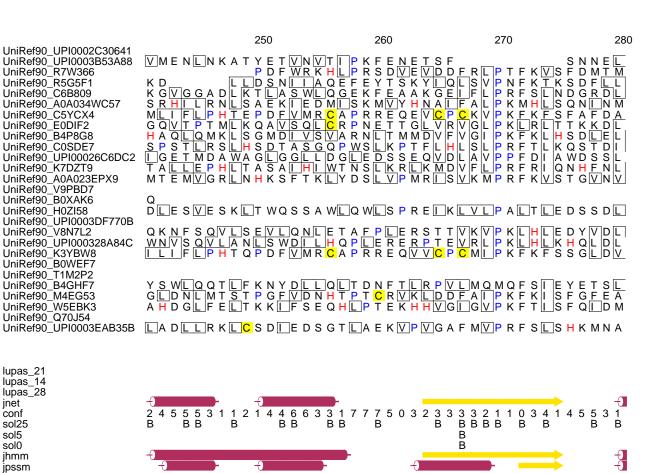


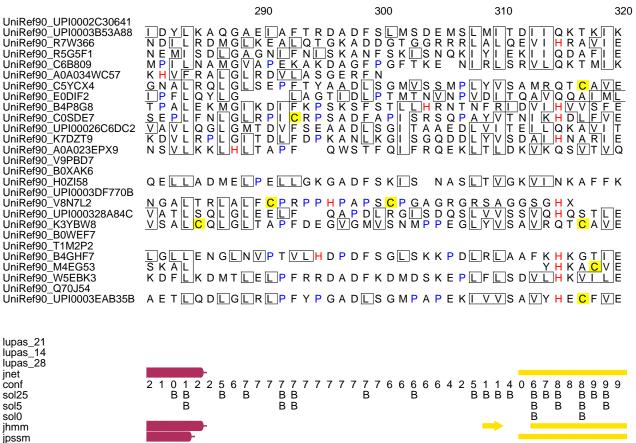
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V D E E G T V A S A V T E V G
F Q E Q G
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