QUERY	1 10 20 30 40 VLSEGEWQLVLHVWAKVEADVAGHGQDLLIRLFKSHPETL
UniRef90_P02104 UniRef90_P02004 UniRef90_G3WEX2	FTAEEKTLINGLWSKV NVEEVGGEALGRLLVVYPWTQVLTAEDKKLIQQTWGKLGGAEEEIGAEALWRMFHAYPPTKWTAEEKQAISTIWAKI DVEEVGAGALSRLLVVYPWTQ
UniRef90_P69891 UniRef90_I1Y926 UniRef90_Q45XI8	FTEEDKATI TSLWGKV NVEDAGGETLGRLLVVYPWTQVLTAEDKKLIQQTWGKLGGAEEEIGAESLWRMFHSYPPTKLTPEEKALVIGLWAKV NVKEYGGEALGRLLVVYPWTQ
UniRef90_P02052 UniRef90_P09904 UniRef90_P18975	L S G E E K A A V T G L W G K V D L E K V G G Q S L G S L L I V Y P W T Q V L S P A D K T N V K A A W A K V G N H A A D F G A E A L E R M F M S F P S T K V L S S A D K N N V K A C W G K I G S H A G E Y G A E A L E R T F C S F P T T K
UniRef90_B8K130 UniRef90_P83134	LIFEEKAAVTGLWGKV DLEKVGGGSLGSLLIVYPWTQ VLSPADKTNVKAAWAKVGNHAADFGAEALERMFMSFPSTK VLSSADKNNVKAACWGKIGSHAGEYGAEALERTFCSFPTTK LTKSERTIIMSLWDKVSSQSEALGTEALERLFLSFPQTK MLTEDDKQLIQHVWEKVLEHQEDFGAEALERMFIVYPSTK FTAEEKAAVTGLWGKV
UniRef90_UPI0003331BBB UniRef90_D9I2E7 UniRef90_W5MM10	
UniRef90_C1BX42 UniRef90_UPI000273A1C1 UniRef90_UPI000332FBA8	L S A K D K A N V K S T WN K I L P K S D D I G D Q A L S R M L V V Y P Q T K L T K T D K A L I A A I WA K V S T Q A D C I G T E A L E R L F I S Y P Q T K L I K S E R A S I M S I WD K L A M R A E A I G T E T L E R L F V T Y P Q A K M L T A E D K K L I T Q L WE K V A G H Q E E F G S E A L Q R M F L A Y P Q T K
UniRef90_UPI000350E148 UniRef90_F6YMJ4 UniRef90_P24291	L S A K D K A N V K S T WN K I L P K S D D I G D Q A L S R ML V V Y P Q T K L T K T D K A L I A A I WA K V S T Q A D C I G T E A L E R L F I S Y P Q T K L I K S E R A S I M S I WD K L A M R A E A I G T E T L E R L F V T Y P Q A K M L T A E D K K L I T Q L WE K V A G H Q E E F G S E A L Q R M F L A Y P Q T K L T K S D K A S I A N I WS K I A P Q A E A L G T E T L E R L F L T F P Q T K V L S A A D K A N V K A V WE K A G G N V G K Y G G E A L D R T F L S F P T T K L S S G D K A N V K S V W S K V A G R L D D J G A E A L G R L F E V Y P Q T K
UniRef90_E3TFT0 UniRef90_Q10732	L S A K D K A V V K D L WA K V A P K A D D G A E A L G R L F E V Y P Q T K V L S S G D K A N V K S V W S K V Q G H L E D Y G A E T L D R M F T V F P Q T K F T A E E K A T V A S L WA K V D V E T V G G E L L G R L L V V Y P W T Q
UniRef90_UPI0002C687E3 UniRef90_P11748 UniRef90_Q90487	
UniRef90_P14520 UniRef90_UPI00015150AE UniRef90_M4AD09	L S D T D K A V V K A L WA K I S P K A D E I G A E A L A R M L T V Y P Q T K L T A K S K S I V K A F W G K I G S R A D D I G A E A F G R M L T V Y P E T K L S A A D R A L L R A L W K K L G S N V G V Y T T E A L E R M F L A F P L T K L T D K E R V M I Q D S W A K V Y Q N C E E A G V A M L V R L F V N F P S S K V H A A W D K F L S K L T S V L T E K M F T V H P Q T K
UniRef90_M7B321 UniRef90_UPl00045D5A6F UniRef90_C1FXX6	V H A A WD K F L S K L T S V L T E K M F T V H P Q T K V L S S A D K A N V K A A WG K V G G K A G D Y G A E A L E R T F L A F P S T K U T K A F R T L V S M WG K L A S O A D A L G T F A L F R L F A S H P O T K
UniRef90_F7GY95 UniRef90_UPI000444024C	V H A A WD K F L S K L T S V L T E K M F T V H P Q T K V L S S A D K A N V K A A WG K V G G K A G D Y G A E A L E R T F L A F P S T K L T K A E R T I I V S M WG K I A S Q A D A I G T E A L E R L F A S H P Q T K L T K T E R T I I V S M WA K I S T Q A D T I G T E T L E R M F L S F P T T K L T T N E R T I I L A M WD K I A T E S E E I G R E T L D R L L T V F P Q A K H E K Q L I P G L W G K V N V A E C G G E A L A R L L I V Y P W T Q L T K R D K A T V K A F WD K V A P K V E D I G V Q A L S R L L V V Y P Q T K F T A D E K A A I T S I WD K V D L E K V G G E T L G R M M V V Y P W T Q L S A N D K A T V K A L WA K I S P K A E D I G N E A L S R M L Y V Y P Q T K
UniRef90_UPI000395D7C5 UniRef90_Q6T497 UniRef90_UPI0004547ECD	LTKRDKATVKAFWDKVAPKVEDIGVQALSRLLVVYPWTQ FTADEKAAITSIWDKV DLEKVGGETLGRMMVVYPWTQ
UniRef90_Q8UW95 UniRef90_F6YMK0 UniRef90_Q6H1L9	
UniRef90_Q2KPA4 UniRef90_P02197 UniRef90_Q90ZA5	MSAEEKGUVISMWGKV NVDDUGAEALGRULVVYPWTQ
UniRef90_P01977 UniRef90_P01935 UniRef90_I1Y927	TLTAEDKALVVVLWGKLAGHTDALGGEALDRLFACFGQSR VLTADAEKKEVTSLWGKASGHAEEYGAEALERLFLSFPTTK VLSPADKTNVKAAWGKVGAHAGZYGAEALERLFLSFPTTK MLTDGDKKLVTQLWEKATQSPEDFGGEALERLFLVYPQTK LSDGEWQLVLNAWGKVEADLPGYGQAVLISLFTGHPETQ
UniRef90_S7Q7N2 UniRef90_Q8AYQ1	I TEKDKA AVKA I WAKI SKSADA I GADA I SRMI I VYPOTK
UniRef90_UPI000328ADE2 UniRef90_P85081 UniRef90_UPI00042BEF40	L S T K D K E T V K D L W G H I S A S A D A I G A D A L G R L L V V Y P Q T K L T K A E K T I L S M W A K V S T Q A D A I G T Q A L E R L F A S Y P Q T K
UniRef90_P18987 UniRef90_C0H824 UniRef90_P13274	WIDAEKSIIISAVWGKV DIINEVGPLIALIARVLI VYPWIQ WTADEKOLITSIWGKV NVEECGSEALARIIIVYPWTO
UniRef90_P80270 UniRef90_W5KLY8 UniRef90_G1M478	LSDKDKNTVRALWAKISKSADVIGAEALARMLTVYPQTK LSAKDKSLVKSFWAKVAPKADALGHDALARMLSVYPQTK FSPEEKAAITSLWGKV NVEEAGGEALGRLLVVYPWTQ
UniRef90_UPI0001D37DC1 UniRef90_V8PDX6	L T K T E R T [
UniRef90_P10777 UniRef90_UPI000329AB1A UniRef90_B5X930	L S D K D K A A V K A L WS K I G K S A D A L G N D A L S R M I V V Y P Q T K L S S K D K T L V K T F WA K V E S K V A E M G G E A L G R M L T A Y P Q T K L L T A K D K K L V K A F F G K V A G K A E D L G N E A L S R T L V V Y P Q T K
UniRef90_H2U139 UniRef90_J3SCF9 UniRef90_P0C0U8	LTAKDKKI VKAFFGKVAGKAEDI GNEAL SRTL VVYPQTK LTDKEKVMI QDSWAVVFQSCDDAGVAI LVRLFVSFPSSK WTPEEKQLI TALWGKV DVPEVGAATL GKL LVVYPWTQ WTAEEKSAI TSI WNKV DVPAVGSEAL SRL LI VYPWTQ
UniRef90_P41331 UniRef90_P04241 UniRef90_UP10003AB67F4	WT P E E K S A I T S I WN K V D V P A V G S E A L S R L L I V Y P WT Q V L T E E D K A R V R V A W V P V S K N A E L Y G A E T L T R L F A A H P T T K M L T A D D K K L I S Q I W T K V A E H G G E F G G E A L E R M F I T Y P Q T K L T P E E K T V V S A L W G K V N V D A V G G E A L G R L L V V H P W T Q M L S A Q E R A H I T Q V W D L I A G H E A P F G A E L L R R M F L S F P T T K W T D A E R R I I A D I W G K I K P D E I G P Q A L A R L L I V Y P W T Q
UniRef90_L8J2H0 UniRef90_UPI0003767A2A UniRef90_UPI0003C8A12B	MLSAQERAHITQVWDLIAGHEAPFGAELLRRMFLSFPTTK WTDAERRIIADIWGKIKPD EIGPQALARLIVYPWTQ
UniRef90_Q19LH2 UniRef90_E2JF88	WT D A E R R I I A D I W G K I K P D E I G P Q A L A R L L I V Y P W T Q F T A E E K A A I A S L W A K V N V E V A R G E S L G R L L V V Y P W T Q L S G R D K T I V K S F W D K I G S R S A D I G A E A L G R M L R V F P Q T K D K E R I R I L W S K I S K D S D A I G A E A L G R M L F A A H P Q T K W S D A E R S A I A A V W G K L N L D E V G P Q A L G R V L I V Y P W T Q L S A K D K D T V R L F W G K L A P K R E E V G A N A L C R L L S V Y P Q T K L T A K D K A V V K A I W G K I G G K A D A I G H E A L A R M L I V Y P Q T K W S A S E R S T I T S L W G K I N V A E I G S E A L L R M F T T F P K T K L S E N D K Q M V K T L W A K I S P A A D Q L G C E A L C R M F L V F P Q T K M L S A Q E R V H I A Q V W D L I A G H E A P F G A E L L L R L F T A Y P S T K L S E A E K S A I N A V W S K V N I E N D G H D A L T R L L V V F P Q T M L S A D E K S A I N A V W S K V N I E N D G H D A L T R L L V V F P Q T K
UniRef90_W5LAV2 UniRef90_H2TTY1 UniRef90_UPl0004410052	LSAKDKDTVRLFWGKLAPKREEVGANALCRLLSVYPQTK LTAKDKAVVKAIWGKIGGKADAIGHEALARMLIVYPQTK
UniRef90_P80727 UniRef90_A3KP86 UniRef90_V5N6P1	WS A S E R S TILT S L WG KIL NVA E ILGPQAL A RVLIVY P WT Q MLSSAEKELIAEI WD K MT P VA E E ILGSEAL L R M F T T F P K T K L S E N D K Q M V K T L WA KILS P A A D Q L G C E A L C R M F L V F P Q T K
UniRef90_F1RGX5 UniRef90_Q38IW4 UniRef90_P02137	MLSAQERVHIAQVWDLIAGHEAPFGAELLLRLFTAYPSTK ILSEAEKAAILSLWAKASGNVNALGAEALERMFLTYPQTM LSADEKSAINAVWSKV NIENDGHDALTRLLVVFPWTQ
UniRef90_Q9PVM3 UniRef90_Q9PVL8 UniRef90_Q3Y9L5	LSAKDKTTVKKFWDKVEGKSAELGGEALGRMLVAYPQTK WTAEEKAAISSVWKQV NVESDGQEALARLLIVYPWTQ LSAADKARVKGLWAKLEAKSAELGGEALGRMFVAYPQTK
UniRef90_P02010 UniRef90_UPI0003BCF535	VLSAADKARVRGEWAKIEAASAELGKWIFVATIQIK VLSAADKARVRGEWAKIEAASAELGKWIFVATIQIK WTELERSTVKALWEKI DIDEIGSQLWARVLIVYPWTE WTAEERHYITATWDKL NVEELGSESLARLLLVYPWTQ
UniRef90_M7AYD8 UniRef90_P07433 UniRef90_M4QW49	
UniRef90_P80945 UniRef90_I3IZ27	LSAKDMAVVKGFWNKI APKADE I GGEAL GRMLRVFP QTK WTDAERSAI TSLWGKI DVGELGPQAL TRL LIVYPWAQ

QUERY	50 E K F D R F K H L K T E A E M K A S E D L K K H G V T V L T A L G A L L K K K G R F F D S F G N L S S A S A I M G N P R V K A H G K K V L T A F G E S I K N L D T Y F P H F D L S Q G S D Q I R G H G K K V V A A L G N A I K N L D R Y F S N F G N L S S P R A I E G N P R V R N H G K K V L T S F G E A V K N L D R F F D S F G N L S S A S A I M G N P K V K A H G K K V L T S L G D A I K H L D T Y F P H F D L G K G S A Q V K A H G K K V L T S F G D G L K H L E R F F D S F G D L S S P S A V M S N P K V K A H G K K V L T S F S D G L N H L D T Y F S H F D L G H N S T Q V K G H G K K V L T S F S D G L N H L D T Y F P H F D L H A G S A Q V Q A H G Q K V A D A L T K A V V H I N T Y F P H F D L H A G S S A Q V R A H G K K V L T S F G E A V K N M D R F F D T F G N L S S P C A V M G N P R V K A H G K K V U L T S F G E A V K N M D R F F D T F G N L S S P C A V M G N P R V K A H G K K V L T S F G E A V K N M D R F F D T F G N L S S P C A V M G N P R V K A H G K K V L T S F G E A V K N M D R F F D T F G N L S S P C A V M G N P R V K A H G K K V L T S F G E A V K N M D R F F D T F G N L S S P C A V M G N P R V K A H G K K V L T S F G E A V K N M D R F F D T F G N L S S P C A V M G N P R V K A H G K K V L T S F G E A V K N M D R F F D T F G N L S S P C A V M G N P R V K A H G K K V L T S F G E A V K N M D R F F D T F G N L S S P C A V M G N P R V K A H G K K V L T S F G E A V K N M D R F F D T F G N L S S P C A V M G N P R V K A H G K K V L T S F G E A V K N M D R F F D T F G N L S S P C A V M G N P R V K A H G K K V L T S F G E A V K N M D R F T C T S T G T T T T T T T T T T T T T T T T
UniRef90_P02104 UniRef90_P02004 UniRef90_G3WEX2	TYFPHF DLSQGSDQIRGHGKKVLIAFGESIKNLD RYFSNFGNLSSPRAIEGNPRVRNHGKKVLTSFGEAVKNLD
UniRef90_P69891 UniRef90_I1Y926 UniRef90_Q45XI8	TYFPHF DLGKGSAQVKAHGKKVLTSLGDAIKHLD RFFEHFGDLSSASAI MNNPKVKAHGKKVLTSLGDAIKHLD RFFEHFGDLSSASAI MNNPKVKAHGKKVLTSLGDAIKHLD
UniRef90_P02052 UniRef90_P09904 UniRef90_P18975	TYFSHFDLGHN STQVKGHGKKVLTSFSDGLNHLD TYFSHFDLGHN STQVKGHGKKVLTSFSDGLNHLD TYFPHF DLSHGSAQVQAHGQKVADALTKAVVHIN
UniRef90_B8K130 UniRef90_P83134 UniRef90_UPI0003331BBB	TYFPHF DLHAGSAQLRTHGAKVAAALGDAVKNID TYFPHFDLHHD SEQIRHHGKKVVGALGDAVKHLD RFFDTFGNLSSPCAVMGNPRVKAHGKKVLTSFGEAVKNMD
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UniRef90_UPI000273A1C1 UniRef90_UPI000332FBA8 UniRef90_UPI000350E148	T Y F P H F D L H H G S A Q L R G H G S K V I G A I G D A V K D I D T Y F P H F D L H Q G S P Q L R A H G T K I V A A V G D A V K N I D T Y F P H F D L H P G S E Q V R G H G K V P A A A L G N A V K S L D
UniRef90_F6YMJ4 UniRef90_P24291 UniRef90_E3TFT0	R F F D T F G N L S S P C A V M G N P R V K A H G K K V L T S F G E A V K N M D T Y F P H F D L K H G S A Q V K A H G N K V A D A L T N A V A H L D L S P S S A Q V K A H G A K V M G A I A Q A V S H L D T Y F S H F A D L T P G S A Q V R K H G D T I M N K I D D C V N H M D T Y F P H F D L H H G S A Q V R K H G D T I M N K I D D C V N H M D T Y F P H F D L H Q G S P Q L R A H G T K I V A A V G D A V K N I D T Y F P H F D L H P G S E Q V R G H G K V P A A A L G N A V K S L D T Y F P H M D L T P G S A D I M A H G K K V A D A L T L A V G H M D T Y F S H W S D T Y F S H F B D V H H G S T Q I R S H G K K V M L A L G D A V N H I D R F F D N F G N L S S E S A I M G N P R V K A H G K K V L T S F G N A V K H M D
UniDatas D11749	
UniRef90_Q90487 UniRef90_P14520 UniRef90_UPI00015150AE	TYFSHWAD TYFASWSD LSPGSAAVKKHGKTI MGAVGEAI SKI D LSPGSAAVKKHGKTI MGGI AEAVGHI D SAQVKAHGQKVAAALTLAVYHL D
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UniRef90_UPI00045D5A6F UniRef90_C1FXX6 UniRef90_F7GY95 UniRef90_UPI000444024C	TYFPHF ELRAGSAQLRAHGSKVAAAVGEAAGSVD TYFPHF DLSHGSAQVKGHGKKVADALTNAVAHVD TYFPHF DMNSRSAQLRAHGSKKVADALTNAVAHVD RFFASFGNLSGATALVGNPKVQAHGKKVLTSFGEAVKNLD TYFAHWKD LSPGSEPVRKHGKTIMTGVGSAVSMLD RFFGHFGDLSSASAIMNNAQVKAHGKKVIHAFADGLKHLD
UniRef90_UPI000395D7C5 UniRef90_Q6T497 UniRef90_UPI0004547ECD	R F F A S F G N L S G A T A I V G N P K V Q A H G K K V L T S F G E A V K N L D T Y F A H W K D L S P G S E P V R K H G K T I M T G V G S A V S M L D R F F G H F G D L S S A S A I M N N A Q V K A H G K K V I H A F A D G L K H L D
UniRef90_Q8UW95 UniRef90_F6YMK0 UniRef90_Q6H1L9	TYFSHWT SLSPGSAPVKKHGKKVVAGII GLAVEKLD TYFPHF DFSAGSAQI KGQGQKI ADAVSLAVAHMD TYFAH LELSRGSAQVRAHGKKVADALTLAVNHMD
UniRef90_Q2KPA4 UniRef90_P02197 UniRef90_Q90ZA5	R F F D S F G D L S S P A A L M G N P K V K A H G K K V A H S I S D G I K N L D D R F D K F K G L K T P D Q M K G S E D L K K H G A T V L T Q L G K L K Q K G T Y F S H F D L S P G S A D V K R H G G K V L N A V G E A A K H L D
UniRef90_P01977 UniRef90_P01935 UniRef90_I1Y927	RFFGHFGDLSSASALMNNAQVKAHGKKVIHAFADGLKHLD TYFSHWT SLSPGSAPVKKHGKKVVAGIGLAVEKLD TYFPHF DFSAGSAQIKGQGQKIADAVSLAVAHMD RFFDSFGDLSSPAALMGNPKVKAHGKKVADALTLAVNHMD RFFDSFGDLSSPAALMGNPKVKAHGKKVAHSISDGIKNLD DRFDKFKGLKTPDQMKGSEDLKKHGATVLTQLGKLLKQKG TYFSHF DLSPGSADVKRHGGKVLNAVGEAAKHLD TYFSHM DLSPGSADVKRHGGKVLNAVGEAAKHLD TYFPHF DLSKGSAQVKAHGKKVAGALSBAQFN TYFPHF DLQPGSAQVKAHGKKVAGALSBAQVLKKKG TYFPHF DLQPGSAQVKAHGKKVAGALSBAQVLKKKG TYFSHWPDTKA GSEPVKKHGKKVAGATVLTALGGVLKKKG TYFSHWPDTKA
Ullikei90_UF1000326ADE2	UTFOUFKHINEEFILIENIEKOFUILIKKHAUKIVINIUAILINI IV VIENILIH
UniRef90_P85081 UniRef90_UPI00042BEF40 UniRef90_P18987	TYFPHF DLRPGSAHLRTHGAKVAAALGDAVKSII D
UniRef90_C0H824 UniRef90_P13274 UniRef90_P80270	RYFGSFGDVSTPAAI MGNPKVAAHGKVVCGALDKAVKNMG RFFSTFGNLSNAEAI LHNPHVHAHGKVLTSFGEAVKNLD
	TYFSHWPDMSA GSTPVKNHGKKI MGGLAEAVAKI D RFFDSFGNLSSESAI MGNPKVKNHGKKI MGGLAEAVAKI D RFFDSFGNLSSESAI MGNPKVKAHGKKVLTSFGNAVKHMD GYFPHLSACQDA TQLLSHGQRMLAAVGAAVQHMD ERFVKFKNFKTLEEMKNSEELKKHGTTVLSALGKI LKQKG TYFSHW PSVTPGHPDI KAHGKKVMGGLAI AVSKI N TYFSDWGD LSPNSPQVKKHGATI MRAVGKAVKNI D
	TYFSHW PSVTPGHPDIKAHGKKVMGGLALAVSKIN TYFSDWGD LSPNSPQVKKHGATIMRAVGKAVKNID
UniRef90_B5X930 UniRef90_H2U139 UniRef90_J3SCF9	QLFKDFKDI EEPEEMQRSI QL RKHAHRVMTTI NTL VENLD REFAHEGNI SGPSAI CANPI VRAHGKKVMNSFAFAVKHMD
UniRef90_P0C0U8 UniRef90_P41331 UniRef90_P04241	RFFTSFGNLSNAAAI QSNAQVKAHGKKVFTAFGDAVKNPE TYFPHF DLSPGSNDLKVHGKKVIDALTEAVNNLD TYFPHF DLHVGSEQVRGHGKKVVNALSNAVKNLD
UniRef90_UP10003AB67F4 UniRef90_L8J2H0 UniRef90_UP10003767A2A	T Y F P H F DLS Q G S A Q V K G H G A K V A A A L T K A V E H L D R Y F A S F G N L S N A A A I S G N A K V A A H G K V V I N G L D K A V K N L D
UniRef90_Q19LH2 UniRef90_E2JF88	RFFESFGDLSSPAAVMGNPKVVKAHGKKVLGAFSDGLAHLD TYFPHF DLSQGSAQVKGHGAKVLAAALTKAVEHLD RYFASFGNLSNAAAISGNAKVAAHGKVVINGLDKAVKNLD RFFDNFGNLYSESAIIGNPKVQAHGEKVLTSFGNAVKHME TYFAHWSD LGPDSPQVRKHGSVIMAAVGEALGKID TYSTHFKDF TYNSPQVKEHGKVVNKGIKQAYENID
UniRef90_W5LAV2 UniRef90_H2TTY1 UniRef90_UPI0004410052	TYFAHWKD QSPTSASAKKHGITI MNAI GDSVSKI D TYFAHWAD LSPGSAPVKKHGKTI MGAVITAAVIGSI E
UniRef90_P80727 UniRef90_A3KP86 UniRef90_V5N6P1	RYFGKFGDLSNAAALQGNAKVAAHGKVVLGALEKAVKNMD TYFSH LNISANSEHLRSHGKKI VEALAEGAKNIS TYFAHWPD LSLGSDSVKKHGKKVMDSVGEAVNNID
UniRef90_F1RGX5 UniRef90_Q38IW4 UniRef90_P02137	TYFTHEGDSPDQ ARL LSHGRRL LEAV GVAVQHVD TYFSH LDLSSGSHDLQVHGGKVLGAI GEATKHLD RYFSSFGNLSNVAALSGNAKVRAHGKKVLSAV DESIHHLD
UniRef90_Q9PVM3 UniRef90_Q9PVL8 UniRef90_Q3Y9L5	A Y F S H WG S D L N P Q H P M V K K H G A L I MG G I G K A V K N I D R Y F S S F G D L S S P A A L C A N A K V R A H G K K V L S A L G A G A N H L D L Y F S D WG Q D L G P K T Q K V Q N H G A T I MA S V G K A V K N I D L Y F S D WG Q D L G P K T Q K V Q N H G A T I MA S V G K A V K N I D L Y F S D W G Q D L G P K T Q K V Q N H G A T I MA S V G K A V K N I D L Y F S D W G Q D L G P K T Q K V Q N H G A T I MA S V G K A V K N I D L Y F S D W G Q D L G P K T Q K V Q N H G A T I MA S V G K A V K N I D N Q V F G D L S G S P N I K A W G K T V F G D D L S G S P N I C A W G C T V F G D D L S G S P N I C A W G C T V F G D D L S G S P N I C A W G C T V F G D D L S G S P N I C A W G C T V F G D D L S G S P N I C A W G C T V F G D D L S G S P N I C A W G C T V F G D D L S G C S P N I C A W G C T V F G D L S G C T C T C T C T C T C T C T C T C T C
UniRef90_P02010 UniRef90_UPI0003BCF535 UniRef90_M7AYD8	TYFPHF DLSSGSPNLKAHGKKVIDALDNAVEGLD RYFGSFGDLFTITAILKNDKVAAHGKKVIDALDKAVNNMD KFFEDFGNLSTSSAILHNTRVHDHGKKVLNSFGSAVKNMD RYFSSFGNLGSAEALFHNEAVAAHGEKVVTSVGEAIKHMD QYFDQFRDMHDPEEMKQSVQLKKHALRVMTALNTLVENLD AYFAHWKDT SPNSPEVKKHGALILATIGDVVKNRIE
UniRef90_P07433 UniRef90_M4QW49 UniRef90_P80945	RYFSSFGNLGSAEALFHNEAVAAHGEKVVISVGEAIKHMD QYFDQFRDMHDPEEMKQSVQLKKHALRVMTALNTLVENLD AYFAHWKDT SPNSPEVKKHGALILATIGDVVNRIE RYFQSFGDLSTNAALMGNPKVAQHGRTVMGGLENAVKNLD

QUERY UniRef90_P02104	1	120 P G
UniRef90_P02004 UniRef90_G3WEX2 UniRef90_P69891 UniRef90_I1Y926	N	3 3 9
UniRef90_Q45XI8 UniRef90_P02052 UniRef90_P09904 UniRef90_P18975	DIL K G A F A E L S E L H C D K L H V D P E N F R L L G N V L V R V L A R H F G N L K G T F A K L S E L H C D K L H V D P E N F R L L G N V L V R V L A C N F G T L P D A L S D L S D L H A H K L R V D P V N F K L L S H C L L V T L A A H L F D L P N A L S D L S D L H A Y K L R V D P V N F K F L S H C L L V T L A C H H F	9 P P
UniRef90_B8K130 UniRef90_P83134 UniRef90_UPI0003331BBB UniRef90_D9I2E7	NIL A CALSKILSELHAYV LRVDPVNFRILLSHCLLVTI AVHLF NILSATLSELSNLHAYNILRVDPVNFKILLSHCFQVVLGAHLG HLKEAFAKLSELHCDKLHVDPENFRLLSNMLVIVLAGHYG	• • •
UniRef90_W5MM10 UniRef90_C1BX42 UniRef90_UPl000273A1C1 UniRef90_UPl000332FBA8	NLSEALSKLSELHAYNLRVDPVNFKLLGHTLLVSLSASLCDLVSYLSSLSELHATKLRVDPANFKILAHSLLVVVAAYLFNLESALSKLSELHAYILRVDPVNFKLLSHTILVTIAAHF) P
UniRef90_UPI000350E148 UniRef90_F6YMJ4 UniRef90_P24291	NI SQALSELS NL HAYNLR V DPVNFKFLGHCFLVVVAI HHF NVGSALSKLSELHAYNLR V DPVNFKFLNHCMLVTLAVHFF DLPGALSKLSDLHAYKLR V DPVNFKLLSHCLLVTLA CHLC	o P G
UniRef90_E3TFT0 UniRef90_Q10732 UniRef90_UPI0002C687E3 UniRef90_P11748	DILTGALSSILSELHAFKLRVDPVNFKLLSFITIEVSTALFFF DILATALSALSDKHAHLRVDPVNFKLLSFICLVVVARHFF DLKATFAQLSELH <mark>C</mark> DKLHVDPENFRLLGNMILIVLATHFS DLTTGLGDLSELHAFKMRVDPSNFKILSHCILVVVAKMFF	S
UniRef90_Q90487 UniRef90_P14520 UniRef90_UPI00015150AE UniRef90_M4AD09	D	э Р Р
UniRef90_M7B321 UniRef90_UPI00045D5A6F UniRef90_C1FXX6 UniRef90_F7GY95	NI	o P
UniRef90_UPl000444024C UniRef90_UPl000395D7C5 UniRef90_Q6T497 UniRef90_UPl0004547ECD	NVSGALARLSEMHAYILRVDPVNFKLLSHCLLVTLATHFFGIKNTFSALSELHCOKLHVDPENFRLLGDILVVVLAAHFGDLKGGLLPLSELHAFTLRVDPANFKIFTHCILVVFANMFF	э Э С
UniRef90_Q8UW95 UniRef90_F6YMK0 UniRef90_Q6H1L9	DLFAGLLTLSELHAFQLRVDPANFRILSHCILVVLAMLFFDLATALSALSDLHAHNLKVDPVNFKLLCHNVLVTLAGHLQDLPAAFSSLSDLHAHKLKVDPLNFKYLSHCFLVTLARHFF	30 30 C
UniRef90_Q2KPA4 UniRef90_P02197 UniRef90_Q90ZA5 UniRef90_P01977	NHESELKPLAQTHATKHKIPVKYLEFISEVIIKVIAEKHADLDMGLSKLSDLHAYNLRVDPGNFQLLSHCIQTVLAAHFFDMDSALSALSDLHAHKLRVDPVNFKLLAHCFLVVLARHHF	ع م ا
UniRef90_P01935 UniRef90_I1Y927 UniRef90_S7Q7N2 UniRef90_Q8AYQ1	DMPNALSALSBLHAHKLRVBPVBFKLLNHCLLVVILAABFF DIASALSKLSDLHAQKLRVDPANFKLLAHCFLVVMAIHHF QHEAELKPLAQSHATKHKVPVQYLEFISDSIIKVLKSKL DLAAGLLELSELHAFKLRVDPANFKLLAHCLQVVIANMFF	G
UniRef90_UPI000328ADE2 UniRef90_P85081 UniRef90_UPI00042BEF40 UniRef90_P18987	D P D S V L A L V G R A H A L K H E V E P V Y F K II L I T G V I L E V V A E E F A D L K S G L N A L S E Q H A F Q L R V D P A N F K L L S H C I L V V L A L R F F N I A G A L S K L S E M H A Y V L R V X X X X X X X X X X C L L V T V A S H F F N I K D T F A K L S E L H C D K L H V D P V N F R L L G N V M I T R L A A H F C	A P G
UniRef90_C0H824 UniRef90_P13274 UniRef90_P80270 UniRef90_W5KLY8	NI LATYKSLSETHANTLFVDPDNFRVLADVLTIVIAAKFOHIKQTFATLSKLHOEKLHVDPENFKLLGNVLIIVLASHFTDLTAGLLELSEKHAFQLRVDPANFKLLSHOLLVVISIMFF	3 Г Р
UniRef90_G1M478 UniRef90_UPl0001D37DC1 UniRef90_V8PDX6 UniRef90_P10777	DLKDTFAELSELH <mark>C</mark> DKLHVDPENFKLLGNVLV <mark>C</mark> VLAHHFC DLRAALSPLADLHALVLRVDPANFPLLIQCFQVVLASHLC SHEAELAPLAQTHANKHKIPVKYLEFISEVIIGVIAEKHS	3 2 8
UniRef90_F10777 UniRef90_UPI000329AB1A UniRef90_B5X930 UniRef90_H2U139	DLTNHLSKLSELHASQLRVDPANFKILTHNMILVVLGMYFFDLTGGLLALSELHAFTLRVDPANFKIINHNILVVLAMMFFDMASALKSVGRAHALRHKVDPKYFKILSGVILEVLGEAFT	э Р
UniRef90_J3SCF9 UniRef90_P0C0U8 UniRef90_P41331 UniRef90_P04241	A V K E T F A K L S E L H C D K L H V D P E N F K L L G Q I L I T V L A A H F G D V A G A L S K L S D L H A Q K L R V D P D N F Q F L G L C L E V T I A A H S G N L S Q A L A E L S N L H A Y N L R V D P V N F K L L S Q C F Q V V L A V H L G	9000
UniRef90_UPI0003AB67F4 UniRef90_L8J2H0 UniRef90_UPI0003767A2A UniRef90_UPI0003C8A12B	NL K GT F S QL S E L H C D K L H V D P G N F R L L G N V L V C M L A H N F L D L P G A L S E L S D L H A H K L R V D P V N F K L L C H C L L V T L A R H Y F N V N A V Y A K L S E L H S D T L H V D P S N F S L L S E C L T V C L A A K F C D F K G T F A K L S E L H C D K L H V D P E N F R L L G N M I S I V L A T H F N	G N
UniRef90_Q19LH2 UniRef90_E2JF88 UniRef90_W5LAV2 UniRef90_H2TTY1	DILTGAILS SLISELHAFKLRVDPANFRMLAHNI MILVI AMYYFDMVTGLLDLSEKHAFTLRVDPANFKLLSSCFHVVLSKRYFNI KGTYANLSQLHCEKLNVDPDNFRLLADCLTI VI ATKFC	o G P
UniRef90_UPI0004410052 UniRef90_P80727 UniRef90_A3KP86 UniRef90_V5N6P1	DLPSALSQLSELHAYKLRVDPANFKILAHNI IVVIMGMLFFDVKGTYSKLSQLHNEKLNVDPDNFRLLGDCLTI VLATKLGTLTTLAPLSRFHAYQLRI HPTNFKLFNHCI LVTLA ORMG	o (3(5)
UniRef90_V3N6F1 UniRef90_F1RGX5 UniRef90_Q38IW4 UniRef90_P02137	NL RAALSPLADLHAHVLRVDPTNFPLLIQCFQVVLASHLONLHEALSALSALHAYNLRVDPGNFRLLSHAIEVTLAVHFFDIKNFLSVLSTKHAEELHVDPENFKRLADVLVIVLAGKL	ე <u>ვ</u>
UniRef90_Q9PVM3 UniRef90_Q9PVL8 UniRef90_Q3Y9L5 UniRef90_P02010	DHAAGLLEL SELHAFKLRVVDPANFKLLSHULVVLAALRFA DPDSVLALVGRAAHALIKHEVEPVJYFKLLSHGLVVLAALRFA DPDSVLALVGRAAHALIKHEVEPVJYFKLLSHGLVVLAALRFA NIAGALSEL HAFKLRVDPANFKLLSHGLVVVLAALRFA NIAGALSEL HAFKLRVDPANFKLLSHGLVVVLAALRFA NIAGALSEL HAFVLRVXXXXXXXXXXXXXXAALAXAFF NIAGALSEL HAFVLRVDPANFKLLGNVLIIVVAASHFF NIKDTFAKLSELHGDKLHVDPPNFRVLLADVULIIVVAASHFF NIKDTFAKLSELHGDKLHVDPPNFRVLLADVULIIVVAASHFF NIKDTFAKLSELHGDKLHVDPPNFRVLLADVULIIVVAASHFF DLKAGLLELSEKHAFQLRVDPANFKLLGNVLVVISIUMF DLKAGLLELSEKHAFQLRVDPANFKLLSHNILVVVLAHNFF DLLVGGLLELSEKHAFQLRVDPANFKLLSHNILVVVLAALNYF DLKAGLLELSELHAFQLKLHVDPANFKLLSHNILVVVLAALNYF DLKAGLSPLADLHAALVLRVDPANFKLLSHNILVVVLASIUMF DLKAGLSPLAQUHAYKLRVDPANFKLLSHNILVVVLASIUMF DLKAGLSNLSELHASQLRVDPANFKLLSHNILVVLAGMYFF DLKAGLSNLSELHASQLRVDPANFKLLSGNVLVULASHMF DLKAGLSNLSELHASQLRVDPANFKLLSGNVLVVLGGMYFF DLKAGLSNLSSELHASQLRVDPANFKLLSGNVLVVLGGMYFF DLKAGLSNLSSELHASQLRVDPANFKLLSGNVLVVLAGMYFF DLKAGLSNLSSELHASQLRVDPANFKLLSGNVLVVLAGMYFF DLKAGLSNLSSELHASQLRVDPANFKLLSGNVLVVLAGAHAFG DLKAGLSNLSSELHASQLRVDPANFKLLLGQLLUVVLAGAHAFG DLKAGLSNLSSELHASQLRVDPANFKLLLGQLLUVVLAGAHAFG DLKAGLSNLSSELHASQLRVDPANFKLLLGQLLUVVLAAHAFG DLKAGALSSELHASQLRVDPANFKLLLGQLLUVVLAAHAFG DLKAGALSSELHASQLRVDPANFKLLLGQLLUVVLAAHAFG DLKAGALSSELHASQLRVDPANFKLLLGGLLGUVVLAAHAFG DLKAGALSSELHASQLRVDPANFKLLLGGLLGUVVLAAHAFG DLKAGALSSELHASQLRVDPANFKLLLGGLLGUVVLAAHAFG DLKAGALSSELHASQLRVDPANFKLLLGGLLGUVVLAAHAFG DLKAGALSSELHASQLRVDPANFKLLLGGLLGUVVLAAHAFG DLKAGALSSELHASQLRVDPANFKLLLGGLLGUVVLAAHAFG DLKAGALSSELHASQLRVDPANFKLLLGGLLGUVVLAAHAFG DLKAGALSSELHASQLRVDPANFKLLLGGLLGUVVLAAHAFG DLKAGALSSELHASQLRVDPANFKLLLGGLLGUVVLAAHAFG DLLTGGALSSELHASGLRVDPANFKLLLGGLLGUVVLAAHAFG DVAGGLSELHASGLRVDPANFKLLLAHARAFG DVAGGLSELHASGLRVDPANFKLLLAHARAFG DLLTGGALSSELHASGLRVDPANFKLLLAHARAFG DLLTGGALSSELHASGLRVDPANFKLLAAHANI	G N
UniRef90_UPI0003BCF535 UniRef90_M7AYD8 UniRef90_P07433 UniRef90_M4QW49	NMKRTYADLISRLHFQKLEVDPDSFRLLÄDCITITIACKFKHIKESFAELSKLHCDRLHVDPENF DIKGYYAELSKYHSETLHVDPNNFKRFGGCLSITLGHHFQ KLNTIFQQMGKSHAIKHKVDPIVFKITAGVITEVIVFAFF	(G
UniRef90_M4QW49 UniRef90_P80945 UniRef90_I3IZ27	NMTTVLGSLSDLHAFKLRVDPANFKI LGHNI MVVI CMTFF NIKNTYANLSHMHSEKLHVDPDNFRVLAECI LCVAAKFGF	o P

QUERY		130 140 150 G D F G A D A Q G A M N K A L E L F R K D L A A K Y K E L G Y Q G
UniRef90 UniRef90	_P02104 _P02004	N E F T A E M Q A A W Q K L V A G V A T A L S H K Y K E Y S P E V H S A V D K F M S A V A A V L A E K Y R
UniRef90	_G3WEX2 _P69891	K D F T P E A Q A A W Q K L V G V V A S A L S R K Y K F F T P F V Q A S W Q K M V T A V A S A I S S R Y
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	_UPI0003331BBB	ADFTAETHAAWDKFLOQVSAILTEKYR REYTPQVQVAYDKFLAAVSAVLAEKYR KEFTPDVQAAWQKLVAGVAVALGNKY
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UniRef90	_C1BX42 _UPI000273A1C1 _UPI000332FBA8	A E F T A E A H A A WD K F L S K V S A I L T E K Y R A D F T P E V H E A WD K F L S I L S S V L T E K Y R A A L T P E V H A S L D K F M C A V G A V L T A K Y R
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	_P01977	A E F T P S A <mark>H</mark> A A M D K F L S R V A T V L T S K Y R S <u>Z F</u> T P A V <mark>H</mark> A S V D K F <u>L A S</u> V S T <u>V</u> L T S K Y R
	S7Q7N2	A E F T P S A H A A M D K F L S R V A T V L T S K Y R S Z F T P A V H A S V D K F L A S V S T V L T S K Y R S L L T P E V H A S L D K F M C V V S T E L T A K Y R G D F G D D A Q G A M K K A L E L F R N D M A A K Y K E L G F Q G
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	_UPI00042BEF40	HEFTPEAHVAMDKFFCGVSLALAEKYR ADFTADAHTAWDKFLSLVSCVLTEKYR
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UniRef90 UniRef90 UniRef90	_UPI0003AB67F4	KEYIPEVHAAYDKFILSAVASVLAEKYR KEFILQVQAAYQKVVAGVANALAHKY GDFSPNMHASLVKFLNHVISALA PSFTPEVHEAWQKFLNVVVAGLGKQYR
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	_P02010 _UPI0003BCF535 _M74VD8	PSFTPEWHEAWQKFLNVVVAGLGKQYR KEFTPQMQAAWQKLTDAVANALAHRY GDFTAEWHLSFDKFLQNLALALALAERCR NDYTDEAHLSFDKFLQNLALALALSEKYR AAFPPQVQATWQKLMAVVVAALTSRY TEFTPEVHVAVDKFLASVALALAEKYR NDFTPEVHVSVDKFLQNLAWCLAEKYR NDFTPEVHVSVDKFLQNLAWCLAEKYR ODFTPVVHAAIDKFLASVALAEKFR DDFSVEAHLSLEKFFARVALAMSDKYR GEFTVEMQAAWDKFLMGVAVVLTEKYR DDFSVEAHLSLEKFFARVALAMSDKYR AAFTPQVQAAWEKFSAGLVAALSKQY ADFTPEVHVSVDKFLQRVALALSHGY AAFTPQVQAAWEKFSAGLVAALSRYR AAFNPQVHAAWEKFLAVSTAALSRNY GDFTPEVHVSVDKFLQRVALALAERYR AAFNPQVHAAWEKFLAVSTAALSRNY GDFTPEVHLSVDKFLQRVALALAERYR AAFNPQVHAAWEKFLAVSTAALSRNY GDFTPEVHLSVDKFLQRVALALSEKYR PEFGPAVLASVDKFLCNVSEVLESKYR
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UniRef90_I3IZ10 UniRef90_P80271 UniRef90_I3KUU6 UniRef90_V5N4H6 UniRef90_B3EWR7	LSAKDKATVKTFWAKISSSGEEIGTDALSRMLVVYPQTK VWTDFERTTIQDIFSKIDYAVVGQAAFSRCLTVYPWTQ WTDFERATIQDIFSKMDYETVGPATLTRTVIVYPWTL EKERSIITNIFSNLDYEDVGPKALVRCLVYYPWTQ TLMEEERVTITNTWAKVYENKEAAGVAVLIRLFTSFPSTK LSDKDKTFVKAFWGKLKGKADDVGAEALARMFGAFPATK	
UniRef90_P56251 UniRef90_E3TGA8 UniRef90_UPI000343F5F8 UniRef90_W5MM67 UniRef90_UPI00042C01C9	WT D A E R A A I K A L W G K I D V G E I G P Q A L S R L L I V Y P W T Q V W T D F E R A T I Q D V F S K I D Y E S V G H Q A L S R C L V V Y P W T Q L S A A D R A A V R A L W R K L G S N V C I Y T T E A L E R T F A S F P A T K L S D K D K Q H V Q A I W A K A S A K V D T I G H E A L S R M L I V Y P Q T K W T A E E R H Y I T A T W D K L N V E E I G S E S L A R L L I V Y P W T Q V L S D D D K A K V R A A W V P V A K N A E M Y G S E T L N R M F A A H S T T K	
UniRef90_J3S8W7 UniRef90_R0J848 UniRef90_H3D5V1 UniRef90_D3ZPM3 UniRef90_W5LAM7	MITEKEKELLRKVWNSLIPVAEDIGSDSLLRLFTTVPGSK	
UniRef90_P83272 UniRef90_P02139 UniRef90_R4GDF7 UniRef90_L7MZW5 UniRef90_G5BXY2	WS DKERAVIISIFAGL DYEDIGPKALSRULIVYPWIQ WT DAERSAIIALWGKL NPDELGPEALARCLIVYPWTQ MS DAEKKMIQETWNTVYAKCEDVGVSLLIRFFVNFPSAK WT AFFKOLIANCWSKV	
UniRef90_G5BXY5 UniRef90_UPI0003F0E70B UniRef90_Q7ZT85 UniRef90_F6KMG8 UniRef90_C8YNP9	L T N S E R AL I T T I WD K M S M Q A DIV I G T E T L E R L F S S Y P Q T K L S A R E R E AIV T A L WR K M G N N V G V Y T T E A L E R T F I A F P T T K V T A E D R K I Q A S V A K I G P N I D R A D A L N R F E I V F P O S K	
UniRef90_UPI000443AAAE UniRef90_UPI0002BCF73A UniRef90_H3A6U9 UniRef90_UPI0002B493D5 UniRef90_G8DP13	LTAEEK VTALWNKV DVGKIGGEALGRLLVVYPWTQ FTAEEKDVVASLWAKM NVEVAGGESLGRFLVVYPWTQ LATEERKAITSVWSKV NPEEVGHEALIRLFIVYPWTQ	
UniRef90_C1BZ27 UniRef90_P0C239 UniRef90_P18981 UniRef90_C0HJE1 UniRef90_H3ARB7	WSDSERII INGIIFSQL DYDDLGPKAFSR <mark>C</mark> LI VYPWIQ VLTEDDKNHVKGLWAHVHDHIDELAADALTRMFLAHPASK FSAHEEKLI LDLWAKV NVAACGGDALSRLLI YPWKR ILSEPOKELI QESWRI LHQDITRLGI IMFIIRLFETHPECK	
UniRef90_P85082 UniRef90_P10004545EE9 UniRef90_P10783 UniRef90_P83113 UniRef90_C8YNP6	WT D F E R S T I K D I F A K I D Y D C V G P A A F A R C L I V Y P W T Q F T A D E K A A I T S I WD K V D L E K V G G E T L G R L L I V Y P W T Q L S A D D K H N V K A I WE H V K G H E E A I G A E A L C R M F T S L P T T R D D R S H I L A I W P S V A S H G A D Y G G E A L Y R L F L S N P Q T K M L S K Q E K E L I I E I W T R L T P L A D R I G A E A L L R M F T S Y P G T K L S A A E K A L I T D S W K V V Y A D Y E A A G K A L L I K F F T S N P G V Q	
UniRef90_S4R9/1 UniRef90_P80946 UniRef90_G5CUP5 UniRef90_UP100046B0B98 UniRef90_A0EZW4	WTEDERTAI KSK WLKI NI EEI GPQAMRRLLI VCPWTQ WSDAERAAI TSWWEKI DVNEI GPQALTRLLI V PWTQ LTNTERTI I KSMWGKI STQADMTGTETI ERI FOSYPOTK	
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UniRef90_C0A1I8 UniRef90_UPI0003AFB808 UniRef90_Q575S4 UniRef90_G5DZM8 UniRef90_L5KH54 UniRef90_UPI000273DA7A	ETSLVLKCWGPVEADYNTHGGLVLNRLFAEHPDTQ LTLEEKLLVTALWSKMR VAEVGVETLGRLLVVYPWTQ LTAADIENINEIWCKIYANPEESGKTVVIRLFTTYPQTK KVNIEQDGHDALTRLLVVFPWTQ VLSASDTAAVRALWKKLGNNVGVYTTEALERTFLAFPSTK FTADKKAAANSLXSKVK XEKAGGETLGSLLVVYPWTQ FTEEDKATITSLWGKV NVEDAGGETLGRLLVYPPWTQ	
UniRef90_UPI00029D92B9 UniRef90_I3K2H7 UniRef90_Q802A3 UniRef90_B8LND3 UniRef90_UPI00034F4319	WT D Q E R T I I S N I F S T L D Y E D V G S K S L I R C L I V Y P W T Q F S F F O F A I V K K S W N A M K P N A P O I G F K F F I R V F F I A P S A K	
UniRef90_K7FZS0 UniRef90_G1SSI4 UniRef90_B3RYV6 UniRef90_UPI00046B0D27 UniRef90_P84216	FSSRLFVNFPSAK MFTTYPSTK RFFVNFPSAK LTEEQKALIRENWQDVEENMSEVGLYLFSKLFTLAPEYR FAMGLFKGHPETL VLSDANKQEIHHVAELIKPHAEAVGADALARLFELHPQTK	
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UniRef90_M1SQT0 UniRef90_P02138 UniRef90_U5D5B6 UniRef90_B9A9D4 UniRef90_W4XLX6	A D F D M V L K H W G P V E A D Y N G H G G L V L T R L F T E H P E T Q D A E K Q Y I V S V F S K I D V D H V G A N T L E R V L I V F P W T K F S E Q E A L V V E S W K V M K K D A A E L G L K F F E K I F E L A P S T K A D F D A V L K H W G P V E A D Y T G Y G S L V L T R I F T E H P E T O	
UniRef90_W4XLX6 UniRef90_W4XLX6 UniRef90_W4XLX6	T A E H K R L V Q K T W T K L S S N P A K H G A T M F S K L V T D Y P A V G T A E H K R L V Q K T W T K L S S N P A K H G A T M F S K L V T D Y P A V G T A E H K R L V Q K T W T K L S S N P A K H G A T M F S K L V T D Y P A V G T A E H K R L V Q K T W T K L S S N P A K H G A T M F S K L V T D Y P A V G	

Junkedo DHOOQUESTESS R F F E S F G D L S O P S A T M N N F K V K A 1 G K K V V D A L T O X M K S M D MINEROD CONTROL TO THE S T W C D F G N L Y N A D L L N P G S K C W K A 1 G K K V V D A L T O X M N N M D M D MINEROD CONTROL TO THE S T W C D F G N L Y N A D L N P G S K C W K A 1 G K K V V D A L T O X M N N M D M D MINEROD CONTROL TO THE S T W C D F G N L Y N A 2 M D L N P G S K C W K A 1 G K K V V D A L T O X M N N M D M D M D M D M D M D M D M D M		50 60 70 80
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I	UniRef90 C1BYA0	TYFSH L D I RPRSRQM L SHGKK IVL A I AE <mark>C</mark> SKD I S
June Property Pr	UniRef90_C0H805	TYFSHWAD LISPGSAPIVIKKHGAIVI IMGAII IGNAIVIGIL IMD
Interest		TYFSH LIDII SPNSSHILLIAHGKKII VLAII IAEGAQDII S
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Junkeley Sey	UniRef90_P80271	R Y F A K F G N <mark>C</mark> S T A A L G N K E A K H G T T L H G L D R G V K N M D
Interest		RYFASFGNILIYNAEAILISTNPKIVIAAHGII IKIV LIH GILIDRAIVIK NMD
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James	UniRef90_P56251	RHEKGEGNII ISTNAAII I IGNAKIVIAEHGKTIVIMGGII IDRAIVIONMD
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James	UniRef90 W5MM67	
Junkergo Roubside	UniRef90_UPI00042C01C9	K F F E D F G N L S T S S A L L H N T R V H D H G K K V L N S F G S A V K N M D
Jimengengo 143059v1		REFASEGNUSSPTALLGNPMVRAHGKKVLITSEGDAVKNID
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Jinkergo P02139	· · · - _ · ·	RYFGNFGNLSTPAALMGNPKLAAHGLKVLHGLDRGVKNMD
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Jimikegio GSBXY5		TYFPNF DISPGSPQIQAHGRKVADALNKAVFHIID
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Jinkergio Del Michael Director A		LIYEHHLINLTPG SKDII KAQGKKVADALTQAVDQLD
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JAIREF90	UniRef90_UPI00046B0D27	ĒKFDKFKNLKSEDEMKASĒDLKK <mark>H</mark> GVTVLTALGGLKKKG
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JAIRET90_P10/85 RYFKSFGDLSSAEALQHNPKVASHGAKVMHSII AEAVKHLD JAIRET90_M3WAU4 TYFPHF DLTPGSAQVKAHGKKVADALTRAVAHLD JAIRET90_M1SQT0 DLFPKFVGI GKSDLAGNAAVSAHGATVLKKLGELLKAKG	UniRef90_A6DJX1 UniRef90_UPI0003EC5DD7	QYFSQFQHMEEPLEMERSPOLRKHACRVMGAI NSVVFNIH
JAIRET90_P10/85 RYFKSFGDLSSAEALQHNPKVASHGAKVMHSII AEAVKHLD JAIRET90_M3WAU4 TYFPHF DLTPGSAQVKAHGKKVADALTRAVAHLD JAIRET90_M1SQT0 DLFPKFVGI GKSDLAGNAAVSAHGATVLKKLGELLKAKG	UniRef90_D7TPW5	KLFSFLRD SDVPPEQNPKLKPHALSVFVMTCESALQLR
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JniRef90_M1SQT0 DLFPKFVGI GKSDLAGNAAVSAHGATVLKKLGELLKAKG	UniRef90_M3WAU4	TYEPHE DILITPGSAQIVIKAHGKKIVIADAILITRAIVIAHILID
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JniRef90_W4XLX6	UniRef90_W4XLX6	TIL L P F G N E GIL IS Y D QIL T V D P RIVIR A H G T K V M Q T V IG S A V D R L N
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UniRef90_P UniRef90_C	218974 Q7T1B0	DIPDALAKLADLHAEKLRVDPVNFGLLGHCILVTLADIKNTYAELSDLHAEKLRVDPVNFGLLGHCILVTLADIKNTYAELSDLHAEKLHVDPDNFRLLADCLTIVIA BILAGCLSKLSDLHAYDLRVDPGNFPLLAHQILVVVA BIMWYTLAPLQTLHAYKLKIDPYNLKYLSHCLIVTLA BILVGGLSALSDLHAFKLRVDPGNFKILSHNILVTLA BILVGGLSALSDLHAFKLRVDPGNFKILSHNILVTLA	A
UniRef90_P UniRef90_C	C1BYA0	I	∖∐HFP ∖ <u>A</u> HMG
UniRef90_C UniRef90_I3	COH805 SKUU4	I	A <mark>L H F P</mark> A <mark>C</mark> Y L G
UniRef90_M UniRef90_I3	//3ZD78	LTSGLLSLSELHAFTLRVDPSNFKILSHNILVVLA IIIKATYAELSAL <mark>H</mark> SEKLQVDPDNFMLLGD <mark>C</mark> LTIVVA	MFP
UniRef90_P	80271	I	AKMG
UniRef90_I3 UniRef90_V	/5N4H6) T A S V V E K V A K S H A R K H K V E P V N F K I L A G V I L E V L V	VE VF P
UniRef90_B UniRef90_P	256251	I L V S G L S K L S D L	ANF P BAKF G
	JPI000343F5F8		A S V L G A R H Y P
UniRef90_V UniRef90_U	V5MM67 JPI00042C01C9	LKGFLSHLSELHAYKLRVDPANFKILSHNILVALA IIKESFAELSKLH <mark>C</mark> DRLHVDPENFKLLGSILIIVLA VPGALSKLSDLHAHKLRVDPVNFKLLGHCLEITMA	NUYFP NMHFG
UniRef90_J UniRef90_R		IL VS GLS KLS DLH A T KLRI D X X X X X X X X X X X X X X I V T L A II K N V Y K QL S I K H S E K I H V D P D N F K L L G E I I T M C V G II K A I Y A D L S V L H S E K L H V D P D N F K L L A D C I T I V I A D L F G A L S A L S D L H A L Q L R V D P V N F Q F L G H C L L V T L A D L K G F L S H L S E L H A Y K L R V D P A N F K I L S H N I L V A L A II K E S F A E L S K L H C D R L H V D P E N F K L L G S I L I I V L A D V P G A L S K L S D L H A H K L R V D P V N F K L L G D L L I I V L A II K N T F A Q L S E L H C D K L H V D P E N F R L L G D I L I I V L A D L A V S L A P L Q T L H A Y Q L R I D P T N F K L L T H C L L V S L A D L P G S L S A L S D L H A H E L R V D P A N F Q F F S H C L L V T L A D L K F T Y A F L S V L H S F K L H V D P D N F R T I L Q L C L V T L A	N <u>V</u> HNG N <u>A</u> HFT
UniRef90_H UniRef90_D)37PM3	II K N T F A QL S E L H C D K L H V D P E N F R L L G D L L I I V L A D L A V S L A P L Q T L H A Y Q L R I D P T N F K L L T H C L L V S L A D L P G S L S A L S D L H A H E L R V D P A N F Q F F S H C L L V T L A I I K E T Y A E L S V L H S E K L H V D P D N F R T L I Q L C I C I V T L I K D A Y T E L S I L H S E T L H V D P D N F K L L A D C L T I V Y A I I K D A Y T E L S I L H S E T L H V D P D N F K L L A D C L T I V Y A I I K D A Y T E L S I L H S E T L H V D P D N F K L L A D C L T I V Y A I I K D A Y T E L S I L H S E T L H V D P D N F K L L A D C L T I V Y A I I K D A Y T E L S I L H S E T L H V D P D N F K L L A D C L T I V Y A I I K D A Y T E L S I L H S E T L H V D P D N F K L L A D C L T I V Y A I I K D A Y T E L S I L H S E T L H V D P D N F K L L A D C L T I V Y A I I I K D A Y T E L S I L H S E T L H V D P D N F K L L A D C L T I V Y A I I I I I I V L A I I I I I I I V L A I I I I I I I V L A I I I I I I I I I I I I I I I I I I	A <mark>C</mark> H M G A R H Y <u>P</u>
UniRef90_V UniRef90_P	V5LAM7 283272	II KETYAELSVLHSEKLHVDPDNFRTLIQICI CI VT II KDAYTELSILHSETLHVDPDNFKLLADCLTIVVA II KATYAPLSVMHSEKLHVDPDNFRLLADCITVCAA	NHFV AKMG
UniRef90_P UniRef90_R	02139 R4GDF7	III KATYAPLSVMHSEKLHVDPDNFRLLAD <mark>C</mark> ITV <mark>CA</mark> A DVAS <u>VL</u> ALVGK <u>A</u> HAVK <u>H</u> KVEPVYFQIL <u>L</u> GVLLEVLA	MKFG EEYT
UniRef90_L UniRef90_G	.7MZW5	II K D T F A K L S E L H <mark>C</mark> D K L H V D P V N F N L L G D <u>V L I V <mark>C L</mark> A</u> D <u>M P A A L S D L S D K H S Q E L R V D P V N F K L L <u>K H T M L</u> V <u>T M</u> A</u>	AHFG
UniRef90_G		IVEVALTKLSELHAYVLRVDPVNFKVLTPCFRVVLA DLPGALSELRDLHSHKLKVDPINFQHFGHCLLVTLA	SHLK
UniRef90_C UniRef90_F	Q7ZT85		THLR
UniRef90_C	8YNP9	L VG GL LELSELHAFRLRI DPANFKI LNLNLVVVLG ILKGTFSKLSELH <mark>C</mark> DKLHVDPENFRLLANMLL <u>N</u> VLA	E M F P
UniRef90_U	JPI000443AAAE JPI0002BCF73A		THES
	JPI0002B493D5	LKGTFAHLSELHFDKLHVDSENFRLLSNMILIVXAILKASFSDLSKLHFQKLHVDPENFKIMGKTLIITLS	AHFG
UniRef90_C UniRef90_C	C1BZ27		A K L G
UniRef90_P UniRef90_P	18981	DI	A K L G A H L H
UniRef90_C UniRef90_H		III QGHFAHLISKLHYEKFHVDCENFKLLIGNI I VVLIG	GM <mark>HH</mark> P GP <u>L</u> LK
UniRef90_P UniRef90_U		IL T T Y E E L S V L H S E K L H V D P D N F K L I S D C L T I V V A IL K H I F F H V N S L R N P L F S F L C F L P Q L L G N M L V I V L S I I D G A L S K L S D K H A E E L M V D P A N F P K L A H N I L V V L G I I N G A L S K L F D L H A F E L R V D P G N F P L L A H H I N V T I A I L M T N L A P L Q T Y H A Y Q L R I Q P N N F K L F S H C M I V T L A I P E K Q L K A L S K K H A Q E F N V D P Q Y F K V L S A N V L E Q V A	S R L G S S H L G
UniRef90_P UniRef90_P	10783	DII DGALSKLSDKHAEELMVDPANFPKLAHNI LVVLG III NGALSKLFDLHAFELRVDPGNFPLLAHHI NVTI A	BI HLK VMFP
UniRef90_C UniRef90_S	8YNP6	ILMTNLAPLQTYHAYQLRI QPNNFKLESH <mark>CM</mark> I VTLA PEKQLKALS <u>K</u> KHAQEFNVDPQYFKVLSANV <u>LEQV</u> A	C F M G
UniRef90_P UniRef90_G	280946	/ K N A	AKFG
UniRef90_U UniRef90 A	JP100046B0B98		AHFP
UniRef90_C UniRef90 C	9PVL7	DILIK G Y Y A DILIS NIVIH <mark>C</mark> ILIKILIHIVID P N N F HILLI I A GILLIV VIMILIG	G T E R G A K F G
	JPI0002C62FF6	ILRAALSPLADLHAHVLRVDPSNLPLLLQ <mark>C</mark> FQVGLA	SHLQ
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UniRef90_C	S5DZM8	O P E S V L V L V G K A H A F K Y K V E P L Y F K I L S G V I L E L L A D I H A N K H K I P L N F K L I T E V I V K H M A D H A A L L K P L A T S H A N T H K I P L N N F K L I T E V I V K H M A I L K G V F S L L S E L D C K N L H V S P E N I R L L G K I L V I T L V D WE S A L T H L A Q R H Q D V H K V G V N N F Q L L F L V I L T I F K D V K H F L A P L S K K H A Q E L H V D P E N F K R F A D V L V I V L A D L F H V L S A L S D L H S H K L Q V D P V N F Q L L S H C L L V T L A D L K G T F A T L S D L H C N K L H V D P E N F L L G N V I L I V L A L S D L H C N K L H V D P E N F L L G N V I L I V L A L S D L H C N K L H V D P E N F L L G N V I V L V L V L V L V L V L V L V L V L	CEALG AKLG
	JPI000273DA7A	DL P HV LS ALS DL HS HKLQVD PVN F QL LS HCL LVTL A DL KGT F A TLS DL HCN KLHVD PEN FLL LGNVI L LV LA	RHYP THFS
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UniRef90_C UniRef90_B	8LND3	SESNAKDMGKL <mark>H</mark> LTYGVLDEHFDVVKF <mark>C</mark> LLETIK	T K M G
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UniRef90_B UniRef90_B	31SSI4 33RYV6	O P D K	E E F A S D K L Q
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UniRef90_D	7TPW5 JPI000258F143	KRESNLTOLIGAT <mark>H</mark> FKYG <u>VV</u> DE <mark>H</mark> FEVTKYALLETI K OMEASLTGLAER <mark>H</mark> KNRGQ KKEEFONLKEVII OVIR	X E A V P R Q A L G
UniRef90_P UniRef90_M	210785 M3WALI4	DLKAYŸADLSTÎH <mark>C</mark> KKĽŸVDPANFŘĽFGGĽVŠĨŸŶŢG	SMHLG RHYP
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UniRef90_V	V4XLX6	I H A A I L K P L A N S H A T K H K I P L N N F K L I S E V I V K V F A D L E S V L Q E L A T R H I S Y G V T K Q H F S P V V E S L M H A I K D L E S V L Q E L A T R H I S Y G V T K Q H F S P V V E S L M H A I K D L E S V L Q E L A T R H I S Y G V T K Q H F S P V V E S L M H A I K D L E S V L Q E L A T R H I S Y G V T K Q H F S P V V E S L M H A I K D L E S V L Q E L A T R H I S Y G V T K Q H F S P V V E S L M H A I K	QGLD
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UniRef90_W4XLX6

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UniRef90_W4XUE2 UniRef90_Q90WH9 UniRef90_UPl0002EB71C2 UniRef90_UPl000393ED6D UniRef90_D1AB44 UniRef90_UPl0003F0AB64 UniRef90_Q4JDG2 UniRef90_P02015	LTKQQKALIKKSWTYVLEDKLRIGVIIEIKLEKAFPASQLVLTKUKCWGPVEADYAAYGSLVLTRLFTEHPDTQMLSQKTIDLVKSTVPVLEVHGNEITKAFYKNMFETHPQLLLSAESREAIRSSWKEIQEDISRVGVIMFVRLFETHPECKMLSAKSADIVRATLPAVAGALEDITPVFYGKMFSAHPELLFTDRETALLRSTWPLLASDMTRNGGKLEQIFAVAPHVK	
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UniRef90_UPI00029A01A2 UniRef90_K4RAU4 UniRef90_Q4RLN3 UniRef90_G9QN03 UniRef90_Q93101 UniRef90_M5TCL4 UniRef90_UPI0003834AAC UniRef90_B5H323	NVKAVWEHVKGHEEVYGAEALYRAFLCOPPQTQ MLSEQSAPVVRATLPAVGAAIGEIAELFYKKMFTDRPELL MLSVQSAATVRATLPAVGANLDAITERFYAGMFAARPELL EDQIQMIKDSWKVIRDDIAKVGIIMFVRLFETHPECK MLSQETIDIVKSTVPLLEKRGTEITSHFYKRMFSNHPELL LSGADIAVIRSTWAKVSGSATDIGRSIFIKFFELDPAAQ MLSDKTIRIVKEITPLVAANAETITRRFYERMFESNPEVK WTGEEKQLITGLWGKVNVAECGAEALARLLIVYPWTQ MLSEKSAGTIRATLPAVGAALGTITTNFYDRLFTAHPELL	
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UniRef90_UPI0001CBA21C UniRef90_UPI0001CBA21E UniRef90_E5WD91	L T P G D I A I I K A T V P A L E A H G L D I T T E M Y R R L L A L S A G E I K L V T D S W T A V Y A N K K A N G V A L F V R L F S E N P G F Q T L T P S E A I A I Q S T W L F V Y E D K E E N G V E L F V K L F T E H P D Y Q M L D T K T I E I I K S T V P V L E K H G E D I T K T F Y K L M F T N H P E L L	

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UniRef90_W4Yl83 UniRef90_W4Yl83 UniRef90_M3ZCQ3 UniRef90_UPl0003C28C4F UniRef90_Q7WUM8	RYFSKFGDLSSVSAI MGNPQVKAHGIKVMQIVJGSAVDRLN RYFSKFGDLSSVSAI MGNPQVKAHGKKVINAFDDGLKHLD KY FKTIPTEGNLQANPLVRFHGRRVMVAVNQVVENLD NIF NMAHQERGEQQQALARAVYA YAANI ENPE
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UniRef90_V9G8F0 UniRef90_UPI000441FAB0 UniRef90_UPI0002486154 UniRef90_P20246 UniRef90_R6FQS7	NIFNH ANQQAALANTVYAAAL HIDRLE RFFTSFGNLSNAAALMSNAQVKAHGKKVFTAFGDAVKNPE A NTFNRGNQRSGAQQKALAASVATFATMLVTPEG RLFTSFNHNFKASD KQVHDHAVNVSNALSAAIGDLH PLF NMDKQASGEQPKALAMTILA AAQNIDNLP
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UniRef90_UPI00029D8B08 UniRef90_M8E6D5 UniRef90_I0H8W0 UniRef90_I4X1Z4 UniRef90_UPI00047DF566	T Y F L H L N L S P G S A Q V R A H G Q K V A N A L V L A V N H L D N I F N H A N Q K Q G R Q Q T A L A N A V Y A A A A H I D D G M F N R G N Q A E G S Q P K A L A G S V A V F A T T L L A D P P N I F N Q A N Q A Q G R Q Q A A L A S S V H A A A Q H I D N L E N I F N H A N Q S Q G R Q Q T A L A N V V Y A A A Q H I D K L E
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UniRef90_K4RAU4 UniRef90_Q4RLN3 UniRef90_G9QN03 UniRef90_Q93101 UniRef90_M5TCL4	DIVIF FILIF R DIVIE DILIE RILIR S S R EILIR A H GILIRIVIM S FII IE K SIVIA RILID NILIF N H A N Q Q K G R Q Q T A LI A N A V LI A A A K H I I D N F F P C K G F S II A A II K T N IVI I G Q H G A K F M F Y II T T A IVIN G II D
UniRef90_UPI0003834AAC UniRef90_B5H323 UniRef90_A0A010R9F8 UniRef90_A0EM53 UniRef90_UPI0003597684	WFF NQAHQHTGGQQKALAGAI CAYFT HIDNPARFFSSFGNLSNAAAVLGNPKVRAHGQKVLTSFGEAVKNLDR DLFNRGNQATGEQQRALAGSI AAFAGAL VDHPGNIF SLRNQASGEQPRALAGSI AAFAGAL VDHPGNIF SLRNQASGEQPRALAGSI (AAFAGAL VDHPGNIF SLRNQASGEQPRALAGSI (AAFAGAL VDHPGNIF SLRNQASGEQPRALAGSI (AAFAGAL VDHPGNIF SHWAD SYFTHFKGMDSAEEMKQSDQVRGHGKKVFGAI NDMVQHLDSYFTHFKGMDSAEEMKQSDQVRGHGKKVFGAI NDMVQHLD
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UniRef90_Q9NG75 UniRef90_Q9NG75 UniRef90_A7RGQ4 UniRef90_UPl00047A8492 UniRef90_Q6WZ20	NLFKKFEQH SVEVLPSTDDFDHHISLVMNRFTSIGKAID NLFKKFEQH SVEVLPSTDDFDHHISLVMNRFTSIGKAID NLFKKFEQH SVEVLPSTDDFDHHISLVMNRFTSIGKAID DTFPNFKGKE LKDLLNSRSLYLHAKRVMVAVENAVITVLD NIFNH ANQKQGRQQKALAGTVYA AAMYIDNLE PLFQYNCQFSSPEDCLSSPEFLDHIRKVMLVIDAAVTNVE
UniRef90_Q8JH45 UniRef90_H7CXY0 UniRef90_G6XK11 UniRef90_UPl0001CBA21C	T Y F A H WK D Q S P N S A S A K K H G I T I M N A V G D A V T K I D P L F N M N K Q E S E E Q P K A L A M A I L A V A Q N I D N L E D P T I A E M F D P A H Q K N G A Q P R A L A M A V L A Y A K N I D N L G S Q F R Y L D G V S G L A A I E K T P A L G D H A V K V M D T I N S W I G S L G
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	90 100 110 120
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LINIDATON DEFOCT	A I LPVVKKI GEVH <mark>C</mark> N SGI QAAHYPI VGKNLLLTIKEVLG DLAGALSKLSDLHAQKLRVDP
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UniRef90_UPI00035CA314	DL VPVVQNLGKRHVG YGVPESSYKTVGEALIFTLGAGL	1 -
UniRef90_I1LJI1 UniRef90_V4A8E7		P G
UniRef90_V4JDM3 UniRef90_D0FZZ1	KLEALVQPVKNMGARHYGVNPGDYDKVAAALLWTLGQGL DHAAIKLLATTHATKHKIALNNFMLITELICNVMGEEA	G
UniRef90_I2H241	DLSPLLPYVRQIGQKHRQIKPDQYQIVGKYLLIAIKEVL	G
UniRef90_P08054 UniRef90_U6PGL3	D HAAI K LATTHATKHKI ALNNFMLI TEII CNVMGEEA DLSPLLPYVRQIGQKHRQI KPDQYQI VGKYLLIAI KEVL QKNNTLKRLGSIH LKNKI TDPHFEVMKGALLGTI KEAI ELEVQMKRI AKAHV KWNVHRSHVENMLDPALEVLKECN KAEAI LKKI GATHA KSGVQNEHFPVAKSAFFETI KEAA ALRPKLLEMGHTHVV HKVI DEHFDVVKYALLET LKEAL VLIPAVKQI AQKH RSLGI KAEHYPI VGKYLLQAI KEVL ELPDHLLSRI AHKHVSLGLHPDQYQI VHDNLMWAI VDVL NI GGALAKLSELHAYI LRVDP	K
UniRef90_A6YH87 UniRef90_D8QX12	KAEAI LKKI GATHA KSGVQNEHFPVAKSAFFETI KEAA ALRPKL LEMGHTHVV HKVI DEHFDVVKYAL LETL KEAL	
UniRef90_UPI000304423B	VL PAVKQIAQKH RSLGIKAEHYPI VGKYLLQAIKEVL	G
UniRef90_UPI00037EBD30 UniRef90_UPI00034421F4	ELPDHLLSRIAHKHVSLGLHPDQYQIVHDNLMWAIVDVL NIGGALAKLSELHAYILRVDP	ıG
UniRef90_E3E3M9		G
UniRef90_J3M8X1 UniRef90_U1YJ06	KREATLKRLRATHAN AGVADAHFEVVKTALLDTIRDAV TLPKVLSRIAH <u>KHA</u> SLGIVE EQYGVVYEHLFAAIAADL	
UniRef90_081941 UniRef90_P02239	T L P K V L S R I A H K H A S L G I V E E Q Y G V V Y E H L F A A I A A D L E S G S T L K Y L G S V H L E K G I V D P Q F E V V K E A L I R T V A K A M A S D A T L K S L G S V H V S K G V V D A H F P V V K E A I L K T I K E V V	
UniRef90_W9VZS9	ALETAVSRIGNKHAS LDIQPDQYPIVGEELLTSIKQVL DLVPFLTQLGRDH_RKFGVIPRHYEAVGTALLASLKNHL	G
UniRef90_R4TE60 UniRef90_W3AE72	A L P A V V Q I A N K H V S L G V K P E H Y P I V G E Y L L K A I K E V L F	G G
UniRef90_E6PMQ5 UniRef90_Q3IJR0	SIVPAAQSMAKRHVD YGVRPEHYACVGSALLHALGQGLNLEVLKAALGRINHKHTNILPEHYPIVGAHLIGTLKELISSWTV RPCDRRPSHLPPPPQFISDAIIQVLQSKHALSAAVSLIAHKHAS LHVLPEHYPMVGECLLAAIAQVL	G
UniRef90_UPI0003441CFC	SSWTV RPCDRRPSHLPPPPQFISDAIIQVLQSKH	
UniRef90_W7TW85 UniRef90_V5GLC7	DL VII LS RVGESHGPRKII TEKSFFD LKDTLIELF	
UniRef90_UPI00039557BE UniRef90_O97382	NLGDLPAQIINKHVA LQVQPDQYQIVGSCLTRAIREVL NIVSTLKKLGEQHIARG TDISHFQNFRVTLLEYLKE	G
UniRef90_O97382	NII VISTILIK KILIGEQHII IA RG T DII ISH F Q N F RIVITIL LIE YILIK E	_
UniRef90_W2T026 UniRef90_H9GUN8	DLALQMNRIAKAH IKWNVHRKHVIHMLEPVLDLVEE <mark>C</mark> N NWNQALERLVNNHKNIHQVPSGMFQLLFQAML <mark>C</mark> TFDDLL	G
UniRef90_F8FL46 UniRef90_UPI0004245EE8	N WN Q ALE R L VN N H K N L H Q V P S G M F Q L L F Q A M L C T F D D L L K L E T L L P V V K G L A H K H R V R P E H Y G I V G E N L L A A I A E V L D P V E M L S R I G H K H V S L G I V E D Q Y P I V H K H L F E A I V E V L E S E T T L Q Y L G S V H L R N G V I D P H F E V V K E A L L R T V K E G M A L T S A V E R I A Q K H T S F N I Q P E H Y Q I V G H H L I E T L R E L A A I L P V V S R I A H K H R S L N I K P E Q Y P I V G E N L L A A M R E V L	G
UniRef90_UPI0002B43077	ESETTLQYLGSVHLRNGVIDP HFEVVKEALLRTVKEGM	G
UniRef90_UPI0002483109 UniRef90_Q9RC40	ALTSAVERI A QKH TSENI QPEHYQI VGHHLI ETLRELA AI LPVVSRI AHKH RSLNI KPEQYPI VGENLLA AMREVL	
UniRef90_UPI000289034B UniRef90_V4ABF4	A I L P A V K Q I A H K H R S I G V K P E Q Y P I V G H Y L L A A I K D V L K L Q D L L H D L G Q K H V E F N T K V D Y I D M V G P Q F I Q A I R P V V	G K
UniRef90_O97381	ALTSAVERI AQKH TSFNI QPEHYQI V GEHLL KIV KEGMALIKIV KEGMALIKI KEGMA	P
UniRef90_O97381 UniRef90_O97381	AIL PAVKQI AHKH RSLIGVKPEQYPI VGHYLLAAIKDVL AIL PAVKQI AHKH RSLIGVKPEQYPI VGHYLLAAIKDVL KLQDLLHDLGQKHVE FNTKVDYIDMVGPQFI QAIRPVV NLIRQLKDLGLFH TRLGMTRAHFDNFATAFFSVAEDI V NLIRQLKDLGLFH TRLGMTRAHFDNFATAFFSVAEDI V NLIRQLKDLGLFH TRLGMTRAHFDNFATAFFSVAEDI V DFSEMLVLLGEKHSS YNVRPAMLAFLWPAIRDGLKMRL	P
UniRef90_UPI000359AD70 UniRef90_UPI00022B6461		G
UniRef90_F8E207	DPVEMLSRIGHKHVS LGITADQYQIVHDNLFSAIVEVL	G
UniRef90_UPI0002E92FA5 UniRef90_D5P119	NITA AVA QI A H K H R S V G V Q K E H Y P I V G E Y L T K A I K E V L D P V E L L N R I A H K H V S L G I T E D Q Y Q L V H D H L L A A V A E V L	G
UniRef90_A3WZM3 UniRef90_UPI00036D7506	NITAAVAQI AHKH RSVGVQKEHYPI VGEYLLKAI KEVLDPVEL LNRI AHKHVS LGI TEDQYQI VHDHLLAAVAEVLVVLVPTI EDLGRRHA QFGVTDAHYETVGAALLWTLEQGLYPDELLSRVAHKAS LGVLPQHYPI VHEHLFGAI ARDLVLKAAI AMI AEKHVS LSVTPTQYEVVGENLLAAI KEVLELDSKLQKLAATH INAGVTDDQFEI VKEAI LYAI EMGVALAGAVERI AHKH TGFLI QPEQYHI VGSHLLAAI KEVLEDDLYPFLQQLGRPVPI VHKYLLEAI AEVLEDDLVPFLQQLGRPVPI VHKYLLEAI AEVLEDDLVPVKNI AHKH RSLQI KPEHYPI VGQNLLAA MQEVLERPDALLAA MQEVLERPDALLAA MQEVLERPDALLAA NHRKVN WPFFDRI ALLAAI AETLALASAVELI AQKHAS LGI RAEHYPI VGQNLLAASI QEVLEKLAANHRKVN WPFFDRI ALLOI VAFLSETLU CLUSKLAANHRKVN WPFFDRI ALLOI VAFLSESCLU CLUSKLAANHRKVD LARDI GEVLLEAANKDV LARDI GEVLLEAANKDV LARDI GEVLLEAANKDV LARDI GEVLLEAANKDV LARDI GEVLLEAANKDV LARDI GEVLLU VAFLSETLU CLUSKLAANKDV LARDI GEVLLEAANKDV	G G
UniRef90_A1ZE02	VIKAAI AMI AEKHVS ISVTPTQYEVVGENLIAAI KEVI	Ğ
UniRef90_Q9FUD6 UniRef90_V9ZVI0	ELDSKLQKLAATH INAGVTDDQFEIVKEAILYAIEMGVALAGAVERIAHKHTGFLIQPEQYHIVGSHLLATLKE <u>MG</u>	G
UniRef90_UPI00035C8477 UniRef90_F4CV93	DPVGLLNRIAHKHVSLGIVR DQYPIVHKYLLEAIAEVL DLVPFLQQLGRDH RKFGVLAGHYDAVGKALLSALGTHA	G G
UniRef90_UPI00040BC6A2	TLLPVVKNLAHKH RSLQIKPEHYPIVGENLLAAMQEVL	Ğ
UniRef90_UPI000349CB92 UniRef90_L0W7Z5	ERPDAL I SRI AHKHVSL GITEDQYVIVHKYL FAAI AETLALASAVEL I AQKHAS LGIRAEHYPIVGQNL LASI QEVL	G
UniRef90_K1PM52 UniRef90_T1KR38	KLQTLMHELGERHVN YNARYDFVDLVGSQFVYAIKPHL DLE <mark>C</mark> VSDMLEKIAANHRKVNWPFFDRIAL <mark>C</mark> IVAFLSETL	E G
UniRef90_W7ATG7	DL SVLKPHVIQIGYKHQVKPEHYPIVGHHLIEAIGIVL	Ğ
UniRef90_Q575T7 UniRef90_B6H973	CLDEYLTSLGRKH RAVGVKLESFNTVGESLLFALESCL DL AALGPAVELICNKHYISPGDYEIVGEYLLRA <u>MK</u> DVL	G
UniRef90_UPI0004775DCC UniRef90_UPI00046EEF15	APDAMLARIÁNKHAA LGITPDQYKI VHDHLEAA VOVL VLVSAVTKI GHKHVS LDURPEHYALVGKHLLASI GEVL	G G
UniRef90_Q3MQ26	EPD VLVI L VQKLTVNHFRRKIAVDRFQEAFLYVSYAQD	H
UniRef90_E1X5F5 UniRef90_S6JLV9	ALSGÁVŠLIÁNKHSS LKIKPEHYPI VGVNLLEŠIKEVL QLGDLVAKIINKHVA LQILPEHYPI VGSCLLRAIEEVL QLGGMVERLAHKHVS LEVLPEHYPI VGEHLLGALAAVL	G G
UniRef90_F0RQV1	QLGGMVERLAHKHUS LEVLPEHYPI VGEHLLGALAAVL	Ğ

UniRef90_D0G6R4 UniRef90_C6J2F4 UniRef90_UPI0001D37934 UniRef90_A2R2Z2 UniRef90_C5C8V0 UniRef90_UPI0003F0C4CB UniRef90_UPI0003F0C4CB UniRef90_UPI000380F77D UniRef90_UPI000380C57E UniRef90_UPI000380C57E UniRef90_UPI000380C57E UniRef90_UPI000380C57E UniRef90_UPI000380C57E UniRef90_UPI0003B0C57E UniRef90_W5DV37 UniRef90_W5DV37 UniRef90_W2APL6 UniRef90_M2APL6 UniRef90_H0SA38 UniRef90_H0SA38 UniRef90_UPI0002E4C509 UniRef90_UPI0002E4C509 UniRef90_UPI0002E4C509 UniRef90_UPI0003A4765B UniRef90_UPI0003A4765B UniRef90_UPI0003B3BA7E	130
UniRef90_U6PGL3 UniRef90_A6YH87 UniRef90_D8QX12 UniRef90_UPl000304423B UniRef90_UPl00037EBD30 UniRef90_UPl00034421F4 UniRef90_E3E3M9 UniRef90_J3M8X1 UniRef90_J3M8X1 UniRef90_U1YJ06 UniRef90_W9VZS9 UniRef90_UPl0003441CFC UniRef90_UPl0003441CFC UniRef90_UPl00039557BE UniRef90_UPl0002483109 UniRef90_UPl0002483109 UniRef90_UPl000289034B UniRef90_UPl000289034B UniRef90_UPJ7381	DDFDEEAKQAWSTLYDIIAEVI EIYR ELWSAELESAWGEAFDQLAAAIKA DEWSPSMKAAWAEAYDAVTKIIKDEM DAATEEIIQAWADAYGIIADVIEEG DKATPDIMQAWETAYGVIADALKEA DAVTPEVAAAWDEVYWLMANVLINQER DKATPDIMQAWETAYGVIADALKEAD DKATPDIMQAWETAYGVIADALKEAD DKATPDIMQAWETAYGVIADALKEAD DKATPDIMQAWETAYGVIADALKEAD DKATPDIMQAWETAYGVIADALKEAD DKATPDIMQAWETAYGVIADALKEAD DKATPDIMQAWETAYGVIADALKEAD EMWSPEMRGAWEEAYDQLAADALKTEMK DKWSPEMRGAWEEAYDQLAADALKTEMKDA EMWSPEMRGAWEEAYDQLAADIKTEMK DKWSEELNTAWTIAYDELAALIKKEKDL EKCSEEMKSAWSEAYDELADALKTEMK DKWSEELNTAWTIAYDELAALIKKEKDL EKCSEEMKSAWSEAYDELADALKTEMK DKWSEELNTAWTIAYDELAALIKKEKDL EKCSEEMKSAWSEAYDELADALKTEMK DKWSEELNTAWTIAYDELAALIKKEKDL EKCSEEMKSAWSEAYDELAADIKTEMK DKWSEELNTAWTIAYDELAALIKKEKDL EKCSEEMKSAWSEAYGVIADALAALIKKEKDL EKCSEEMKSAWSEAYGVIADALAALIKKEKDL EKCSEEMKSAWAEAFTIV DAATDEVERAWAEAAFTIV DAATDEVERAWAEAAFTIV DAATDEVERAWAEAAFTIV DAATDUIINAWAAEAYGVIADALAAKYKELGFQG PEATVEVLKAWEQAYGVIADALAAKYKELGFQG PEATVEVLKAWEQAYGVIADALAAKYDEGGWRG NGMNGAQKASWNKAFDAF EKKY GKLDYEELEEMEAWKKALLELFRNDIAAKAYDEGGWRG NGMNGAQKASWNKAFDAF EKKY GKLDYEKEMGAWAAAYTQLADILAKKAYDEGGWAG NGMNGAQKASWNKAFDAF EKKY GKLDYEKEMGNAWTKAYHHLASALKAEMK DAATTPEVAAAWLELFLAAQVFIDAREGELYLQ DAAATEEILEAWKEAYGVIAADLIQYEKKMYEEAGWR RTFTPEKRVISWEKFFQVIQEEVEAAAY DAATEEILEAWKEAYGVIAADLIQYEKKMYEEAGWR GKLDYELYLQ DAAATEELEAWKAAYHHLASALKAEMK DAAFTPDVEAAAWTAAYLELAQVFIDAREGELYLQ DAAASDDVLEAWTAAYLELAQVFIDAREGELYLQ DAASDDVLEAWREAYGVIAADVFKKMYEEAGWR SDWTPEVEAAWKEAYGVIADVIEEG NLLTALGRESLGKGFKLMVAVIEEG NLLTALGRESLGKGFKLMVAVIEEG DKFTVETCH
UniRef90_097381 UniRef90_UPI000359AD70 UniRef90_UPI00022B6461 UniRef90_F8E207 UniRef90_D5P119 UniRef90_A3WZM3 UniRef90_UPI00036D7506 UniRef90_A1ZE02 UniRef90_Q9FUD6 UniRef90_V9ZVI0 UniRef90_UPI00035C8477 UniRef90_UPI00035C8477 UniRef90_UPI00035C8477 UniRef90_UPI00035C8477 UniRef90_UPI00034DC6A2 UniRef90_UPI00034DC6A2 UniRef90_UPI000349CB92 UniRef90_UPI000349CB92 UniRef90_UPI000349CB92 UniRef90_UPI000349CB92 UniRef90_UPI000349CB92 UniRef90_UPI000349CB92 UniRef90_UPI000349CB92 UniRef90_UPI000349CB92 UniRef90_UPI000349CB92 UniRef90_UPI0004775DCC UniRef90_UPI00046EEF15 UniRef90_UPI00046EEF15 UniRef90_Q3MQ26 UniRef90_S6JLV9 UniRef90_S6JLV9 UniRef90_F0RQV1	D K F T V E T E L A WK H L Y D Y I S C K M S D G M D A I T P E I A A A WD E V Y W L M A E V L A D L Y K S A G D V A T D E V L Q A WE Q A Y G V I A K A F I D V Y E E A G W K G E A V T P E V A E A W S A V Y W I M A G I L S E W T P E V K G A W S S A Y T L L A D I M D A A T P E V V A A W D E V Y W L M A D A L D A A T P E V V A A W D E V Y W L M A D A L D A A T P E V V A A W D E V Y W L M A D A L D A A T P E V L G A W A E A Y G Q L A Q L L E R R Y R E V G F R G E L W S P E L K S A W G D A Y D M L A A A V K A E M S A V T D E V L E A W G K A Y G V L A D I F G R Y R E G G W Q G D A V T E E V A N A W S E V Y W T M A D V L I A H E E E L D G W T P E V E K A W T D A Y T L A G Q A M S Q A E A A T D D E V L T A W E E A Y N V I A D V F K E M Y Q E A G W E G E A A T P D L V A A W D E V Y W L M A G S L A R L Y Q E A G T T G E A A T P A I I D A W A A A Y G V L A D I F I N R E Q Q F G W S D G W S K E L E E A W L Q L F R V M S Y Y M K K G M Q D A N T Q M D S K A T T A W T K V L N V I T E T V K R D A A T D E I D A W T A A Y G E I A D A E K E M Y K E E A W H D A F T S D T R E A W S L Y A N V V Q S M S R G W S A F T K D I H D A W E T A Y G A L A N V L I S R Y K E S G W T D A I T P P V A A A W E E V Y W L M A N A L I A A Y R Q A G F E G A T D D L I E A W A V A Y Q Q L A D L M T A V A K E G G W T G A K F D D F T A A A W T K T L K V V A D V I S D I T P Q V L S A W G A A Y N Q L A D I L A A I Y D E G G W R G D A A T P E I L D A W A A A Y G Q L A E L M I R

UniRef90_H1V620	1
UniRef90_R7BX74 UniRef90_U5DJ61 UniRef90_W3X6Y2	MLTARQIEL VKATVPVLREHGVALTSHFYKRMLTGNPELK QVQLLETSFEKVKPRAEEFASSFYENLFFDYPDAK LTPSQLAIVKSTAPVLKEKGEELTTLFYKNMIGAHPE KTLELVQSSFSKVAPLAETAAELFYNKLFELDPALK LTAKQKYNMLASWKGISRAMESTGVCMFLKLFEEHAELL SQETIDIIKSTAPLLKKNGKQITTRMYEIMFHNHPEVK
UniRef90_UPI00047282F9 UniRef90_UPI00046C2173	KTIEL VOSSFSKVAPIAETAAEIFYNKLFELDPALK LTAKQKYNMLASWKGISRAMESTGVOMFLKLFEEHAELL
UniRef90_F4XUI8 UniRef90_UPI0003AF8497 UniRef90_M2X4A5	MI S P A S A A V I R A T I P V V R A H D V F I T G F F Y S S M F S A H P F I I
UniRef90_L5N6T1 UniRef90_C5DJ02 UniRef90_B1VHK0	L D E K T V R T I K A T V P V L A E H G G T I A G V F Y R N L F Q E H P E L R M L S E Q T R N I V K A T V P V L E Q H G T T I T T V F Y R N M L S E H K E L L L T P G N A E I I K Q T L P L V G A N I T K I T P I F Y E K M F A A H P E L D V A R L K Q S W S L V A A H G D Q V P L Y F Y S T L F L A H P E T R
UniRef90_D9TDE6 UniRef90_UPI000305D9F9	DVARLKQSWSLVAAHGDQVPLYFYSTLFLAHPETR MNQTQVQLVQQSFAKVAPLAEKAAELFYGRLFEIAPQVK
UniRef90_Q94FT8 UniRef90_X1XX44 UniRef90_UPI00047CF7FA	MNQTQVQLVQQSFAKVAPIAEKAAELFYGRLFEIAPQVK FTEEQEALVLKSWAIMKNDSAHIGHRFFLKIFEVAPSAR LTAKQKYTMVASWKGISRAMETTGITMFIKLFEEHADLL MLQQHKDLVKATIPALQQHGEAVTRAFYETLFEEHPALL
UniRef90_UPI0002E7AAEF UniRef90_K9AYY9 UniRef90_W7B9N7	ML QQHKDLVKATIPALQQHGEAVTRAFYETLFEEHPALLMLTQKTKDTVKATAPVLAQHGYDIIKHFYRNLLSTHPELKMLTSEEKDIIQQTVPVLQKQGTEITQTFYNRMFNQHPELRTEEQKQIVKSTAPLLKEHGKELTAIFYKKMFAAHPELL
UniRef90_UPI00034F873C UniRef90_A7U8A9 UniRef90_S2XKA8	LSDGEWQLVLNVWGKVEGDLSGHGQEVLIRLFKGHPETL ALGRMLRVFPQTK MLTQEEKGIILQTVPLLKERGTEITSNFYNRMFNQHPELR
UniRef90_UPI0002A49A56 UniRef90_UPI00036B765A UniRef90_N6TIP6	LITAKDKDAVRTFWAKI SGKADDVGTDALSRMLKVYPQTK MSPQKDLVKATVPVLKEHGVLLTTHFYNRMFTHNPELK
UniRef90_H5UUD9 UniRef90_Q127H5	MIL IS A Q S A E II V IK A T A G IV V IA E N A V IA II T S R F Y P E M F A A H P E IL L MIL T A Q Q R A II V IK S T IV P II I I E S G G E A II T T H F Y Q II I I T F H P E V R
UniRef90_F2F0Y6 UniRef90_U3A4C4 UniRef90_Q4WC12	MLAQQTIDTIKSTVPVLEVHGLAITKTFYSNLFRENPELL MLSNHHLDVVKSTIPLLESAGPALTAHFYQRMFSHNPEFK LTTQQKEIVKSTIPALQEHGVTITTLFYKRLLEAHPELK
UniRef90_R7WQA6 UniRef90_UPI0004721B6C UniRef90_R7UZI3	LDAKDLEL VKATLPÄVKEHGEEL TKRFYRRLFDSHPELK LVQMSWDI VQEDLAALGHGAFDRLFMDHPELK
UniRef90_R5Q9R1 UniRef90_G7GMU9 UniRef90_UPI00036211E2	ML P H Q E L V K A I V P V L Q A H G V D L I K H F Y A R M L S K N P E L R ML S E S H L K V I E A T L P A V G A A I P E I T P N F Y G R M F A A H P D L L MT P D O K A I V T A T V S T I R F H G V A I T T H F Y R R M F F H N P E I K
UniRef90_UPI000344B12C UniRef90_Q49WI6 UniRef90_UPI00036F3778	MUNEKEKALI KETVPV LQERGVEI TSFFYNRMFTQHPELK
UniRef90_UPI00028A25F1 UniRef90_C7PYV8 UniRef90_P18979	MLSQETMNVIKSTAPVLEVHGVTITKTFYKNLFAAHPELL DPHLLRTSWAKVAQYGEQVPLFFYGHLFLSHPEVR
UniRef90_Q0RFT4 UniRef90_N1USI6	MLSQETMNVIKSTAPVLEVHGVTITKTFYKNLFAAHPELL DPHLLRTSWAKVAQYGEQVPLFFYGHLFILSHPEVR VLTDDDKNHVRAIWGHVSNNPEAFGAEALYRLFTAHPASK MLSERSAAVVGATAGVVAEHAVEITAAFYPRVFDAHPELL MLSEKSRPIIEATLPLVGERLGSITPNFYNRMFTHNPELL MLSQQHIDTVKATIPLLASAGPAITEYFYKRMFTHNPELQ EPELIRQSXRAVSRKPLEHGTVLFSRLFDLEPDLL
UniRef90_X7EAF4 UniRef90_UPI0003F10E3D UniRef90_UPI00047C30DC	TTAQLELVETSFEKIKPRAVKFVASFYENLFETYPETQ
UniRef90_UPI0004142B3D UniRef90_Q4W9X3 UniRef90_G2KQM6	MLDQKTIDIVKSTAPVLDQHGETLTRHFYQRMFTHNPEVA
UniRef90_C6VYQ3 UniRef90_UPI0002FFFA2A UniRef90_D5EQP6	MSPQQKELVKATVPVLKEHGVLLTTHFYNRMFTHNPELKMNPAQIKLVQESFGKVAPISEQAAVIFYDRLFEVAPAVKMSPEELKLVQESWEKCVPIADKAAELFYGKLFELDPSLKMTSQEKHVVRDTWAIFKKEVQTSGVAIFVVLFFKHPAYQ
UniRef90_B7QBW9 UniRef90_C3WD76 UniRef90_W0RCT4	MILISOKITI IDIL VIKATIVIPALI IKERGIVIELI ILOIVIEVKNIMILIGEN PIDILIR
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UniRef90_I9CP50 UniRef90_A0A044U5A6 UniRef90_UPI0003F59B4B	MITOKOKYLITKNWKGIDREDV <mark>C</mark> AAGVEMELKMISTHPEVY
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UniRef90_G8BNV9 UniRef90_UPI0001CB9E5C UniRef90_K6VH56	ML SEETRTIVKATIPVLEAQGAVITKHFYAKMLGSNEELL LTARQKFSIQKSWKAIQRNMEGVGMDIFIRLFKAHPEYQ LSPESEAIVKATAGVVAEHAEDITKVFYPDMFAAHPELM
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UniRef90_W3WSE3 UniRef90_Y5NZL8 UniRef90_UPI00047BCAEB	NYF NAVNMKNGSQPRALTKLILA YASNISHIS NMF NQTNQQKGFQSTALAQSVLAAAVN IEHLE NIF NMAHQLTGHQPKALADAVYG AAANIEDFS
UniRef90_I9CP50 UniRef90_A0A044U5A6 UniRef90_UPI0003F59B4B	A E Q K K K I MA M L G L A V A N L G H P E K M F P F Y N [] A T S S E E K K R M D D C K A H G E S V M K F L G Q A I S N I D A M F P A D L T F O R K K I MA T L A V V V N G I N
UniRef90_Q5HR68 UniRef90_R0J510 UniRef90_UPI0002628C30	N M F N Q T N Q K K G M Q S A A L A Q A V L A G S L Y A Y A A N I D D L G H F N N T H Q A T G H Q A Q A L A G S L Y A Y A A N I D D L G L C N L F N Q T N Q K R G F Q Q F A L V Y A V Y A A G F N L D K L F
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UniRef90_K1Q9R1 UniRef90_L7LC87 UniRef90_G8BNV9	RKFFKFGDYKESSDLLQNKI FQNHVMLVMHTLDEAII CSMG D DENRTNOKI GTOPKV LAGSI AAFARI OI HPDP
UniRef90_UPI0001CB9E5C UniRef90_K6VH56	DLFPEFKGM SEEKLRNSINFETHVGIFMNVIDE <mark>C</mark> IDSLE RVF NKANQAIGEQPKALAASVVAYAVNLIDPDA
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UniRef90_UPI00035A19D6 UniRef90_T1JI21 UniRef90_H3KC31	T MF Q G F K D R S D D E L R S N E A L E Y H A T L V M T T L D D A I T H I D N N F K A F Q N M T D D Q L R K S K K L E A H A T N V M Y A I S T V V D N L Q Q V F N Q G H Q R A G R Q Q E A L A A A V L A Y A E H I E N P A
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UniRef90_A0A016Q645	DYF NTVNQANGRQPRAL TAVILSYANNINHLT

UniRef90_H1V620	90 100 110 120 <u>E</u> LTPK L E <u>RM</u> CNKH <mark>C</mark> S L G QPEHYD V GKY L QA <u>F</u> GQ VL G)
UniRef90_R7BX74 UniRef90_U5DJ61 UniRef90_W3X6Y2 UniRef90_UPI00047282F9	VL LPAVKLIATKHCT LGIRAEHYPIVGKHLLASIKEVLG ALTKALKGLGARHV RYGALPEHYPLVGNTLLKTFAQYLG RLRALVERIAHKHVS LMVQPEQYEIVGKYLIEAVATVLG KLVPILQDLGKRHVE YKVESSHYDTVGAALLGTLETGLG	
UniRef90_UPI00046C2173 UniRef90_F4XUI8 UniRef90_UPI0003AF8497 UniRef90_M2X4A5	3 NLDTFFEYLHQVGASHRRIPVEYFWKIEKPFLTAVETTLG ALKSMVEVIAHRHV KTHVKPEQYPIVGESLLQAMKDVLH 7 DLIGALLSLSELHAFTLRVDPANF EAAAPFERIAERIAHKHVIRAEQYPIVGHHLLTAVGTVLG	
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UniRef90_UPI000305D9F9 UniRef90_Q94FT8 UniRef90_X1XX44 UniRef90_UPI00047CF7F	9 ALVPVVQQLGVKHID YGVKEEHFPIVADALLWTLEQGLG KRDTTIKRLGSTH FKNGVSDAHFEVAKFALLETIKEAVP DLDTFFHQVGASHRRIPGFKQEYFWRIEEPFLTAVSTTLG A QLGGMVNRIAHKHAS LEVQPEHYPIVGDHLLRAIRSVLG	
UniRef90_UPI0002E7AAE UniRef90_K9AYY9 UniRef90_W7B9N7 UniRef90_UPI00034F8730	F SLEAVLKNI ANKHVS L DVRPDQYPI VGEHLLAAI KAVLG DLSKI LKEI GYKHCA L QVFPEHYPI VGENLLAAI QEVVG I L L P Q V K T I A H K H R S L T I K A E H Y P I V G E Y L L K G I A E Y L G C Q H A A E L A P L A Q T H A T K H K I P V K Y L E A W G P P	
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UniRef90_R7UZI3 UniRef90_R5Q9R1 UniRef90_G7GMU9 UniRef90_UPI00036211E2	RIL VRIL L H NIL GRK H VN YRANADYFEII V GRQFII L V I A S V V G NIL L G A V K QI A Q R H C S L G I R A E Q Y Q I V G H H L I E S I K E V L G A R Q K F I M D R I A H K H V S L G I T R D Q Y Q I V H K Y L F E A I V E V L G	
UniRef90_UPI000344B120 UniRef90_Q49WI6 UniRef90_UPI00036F3778 UniRef90_UPI00028A25F	C MLDKALRGLGARHV KYGALPEHYPLVGGALLTTFQQYLG DLTRIL PVVKELAFKHCVPPAGYDIVGENLLAAIQNVLK B DLAPYLHQRGRDN RRFDMRPEHYEAIGTALLGALRQALA 1 ALLPVVHQIGQKH RSLGILPEHYPLVGQFLLAAIKEVLG	
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UniRef90_X7EAF4 UniRef90_UPI0003F10E3I UniRef90_UPI00047C30D UniRef90_UPI0004142B3I	VLTSAVMRIAHKH TSFNIKPDQYDIVGHHLIETLRELAPDDLSSLEEYLAGQGRKHRAVGVKLRSFVGESLLYMLEK <mark>C</mark> LGCALIPVLKDLGARHKGYGTIT EHYPLVGSCLLOAFREVLG	
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UniRef90_L8MJ23 UniRef90_W3WSE3 UniRef90_Y5NZL8 UniRef90_UPI00047BCAE	NI LPVVKEI AYKHCA LQVPPAGYDI VGENLI EAIKAVLG NI LPVVKEI AYKHCA LQVPPAGYDI VGENLI EAIKAVLG BOUMPVIERU GEKH RSI QUKPEHYPU VGENLI GAUKEVI G	
UniRef90_I9CP50 UniRef90_A0A044U5A6 UniRef90_UPI0003F59B4E UniRef90_Q5HR68	TVAPAI QELGRKHVA YGTQAAHYAPVGAALLWTLEQGLG KFFELINENGRSHAHKKHFKPEMFWAMEEPFLYSVKLILG B DLPSVLSALAKRHVG YGARPEHYPVVGGALLWTLERGLG AIKPAIMPVAHKHCA LQVYPEHYPIVGENLLAALQDVTG	
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UniRef90_UPI0001CB9E5 UniRef90_K6VH56 UniRef90_UPI00034D7B3i UniRef90_E8WCH9	C DADHVINLLGRKHAN YGVKPEFISDIEEPFLASVKQLLE PDFGPVMRRIAHKHVSLGIRAQEYTIVGHHLLKAVKTVLG QLKQILADLGARH KQYGTLPQYYPLVGEILLKTFADYLQ NLVRFCSRLGRDH RKFGALDAHYPAVGECLVASLARFAG 2 ALGPLVGQIVSKHVS LNILPEHYPIVGSCLLRAIREVLG	
UniRef90_UPI0002556D92 UniRef90_UPI00035A19D0 UniRef90_T1JI21 UniRef90_H3KC31	ALIGPL V G Q I V S K H V S L N L L P E H Y P I V G S C L L R A I R E V L G N Y D Q L L S K T G A S H V K F A G F K S T N F L A I K E P F L E A V R V T L G D L T E L L S T I G R N H L K R K I T P V Q F D Q V G I T F I K F L E N K L G AL L P A V E H I A G K H V S V G I R A E H Y P I V G R H L L A S I Q E V L G	
UniRef90_UPI0003772010 UniRef90_UPI000442261E UniRef90_J9ZAU4 UniRef90_F5UFD7	O VLTAAVQRIAHKHAS FNILPEQYPIVGKHLLEAVTHVLG QLGGLVGQIINKHVA LQILPEHYPIVGRCLLRAIEEVLG KLVPYLERLGAGH TKYNTRPEHYPAVGDALLATLSHFAG ALAPVLNALGGRHIG YGVIPKYYRPVGEALLSAFEQYLQ	
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D G A T E E V L G A WE R A Y G V I A S V F S D L Y E Q A G WS G
D A A T E D I I N A WA E A Y G A I A D V E A D L Y R K A A WS G
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D R Y T Q N V E G I Y K L T I K F I I E T L V A G Y
E A A T P E I I E A W G A A Y Q Q L A T I M T
D A A T D D I I S A W A Q A Y G N L A D I L
L E E S H P I I Q T W G K A Y G E I A D A F I Q V E K E I Y W D G
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L E E D D P V I Q T W A K A Y G V I A D A F K E L Y E N M A W D G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      L L E A WT VA Y T QL A GL MS G R Y D E G G WS G
E V A A WK K T F E V A F S V I I Q G
V A MA WD E V Y WL F A L Q L V A K Y T E K G
V L A A WG A A Y G Q L A D I L I G A Y A E G G W R G
I I D A WG K A Y G V I A D V F I S V E E D L
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I L D T WA K A Y G E I A K V F I E V Y K T M A W D G
V E R A WA E A Y T L V A R S M Q E A A D E Y G H Q
I L S A W G E A Y G V I A D A F I Q T Y K E A
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P D WT P A V A E S WT E A Y G V V A K V M T D A

D A V T R E V H D A W D E V Y W L F A T A L A

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UniRef90_K2HBC4 UniRef90_E5A9L7 UniRef90_Q7T1A4	L D E R T R E I V K A T V P V L A E H G E A I T T H F Y K R M L T E R P E L K L T P D Q V A I I K A T V P V L A E H G I T I T S K F Y A D M L T A H P E L K
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UniRef90_E9GAC8 UniRef90_P27199	LNERDEATI RSTWNTAKKN GNI GPKTFLRYFELKPEAQ FTEKQEAL VNSSYEAFKANVPQYSVVFYTSI LEKAPAAK
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UniRef90_M7XWG2 UniRef90_C1MGW9 UniRef90_B0JFC8	SATQVERVQASFAKVRPIADTAADLFYERLFAIAPQVR GNGVAFFRNVFRIAPEAL LTPQQIDLIKATVPVVQEYGTAITTTFYKNVLAANPALN
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UniRef90_W7S8R2 UniRef90_F1A2R8	MLSSSSATI VAATEPAVRAAAVDI STTFYAGMFAEHPAL E MLSPKTVQVI KSTVPV LEQYGVQI TSTFYKNMFAAHPEL L
UniRef90_N6V4P8 UniRef90_Q9I0H4	MISNAORAII KAIVPALAA <mark>H</mark> GIEI HAAMY <u>LLLIF</u> KD
UniRef90_I0HCX7 UniRef90_K0T1L2	ML S
UniRef90_Q07A26 UniRef90_D2AQM5	FIEAQEIVLVINSSWEAFKQNLIPHNSILLIFYIFIVLIEKAPAAK DII IGILI IRRSWSILVIEPIVIADQIVITQHFYGRILIFANYPHI IR
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UniRef90_M2XD60 UniRef90_V8PEV3 UniRef90_Q7ZYZ5	MLS E S A R PLIE A T A PVI A E RLP DIA P K F Y Q S M F E A E P QLI VWT D F E K A T I Q D I F A K A D Y D V I G P Q A L A R C L I V Y P W T Q
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UniRef90_A5E720 UniRef90_A0A016PHW4	LITPEQII ALLIKSTWPII LEQAGETILITQKFYTKMLSGYDEVK
UniRef90_W9ADN1 UniRef90_J3NI61	L D Q K T M D I I K S T V P V L A E H G E S I T K H F Y S R L L E D H S E L K L T Y Q Q M K L V K S T V P V L K E S G E L I A T T F Y R D M L A E N P R L R
UniRef90_F8I6Y7 UniRef90_I0HJM9	Q N T [] D K V K A T V P L K G R A E E L G T R F Y R H L F A E Y P E Q L K E S W S L V E E H Q D K V A G Y F Y A R M F L S H P D L R W S L V E E H Q D K V A G Y F Y A R M F L S H P D L R W S L V E E H Q D K V A G Y F Y A R M F L S H P D L R W S L V E E H Q D K V A G Y F Y A R M F L S W S L V E E H Q D K V A G Y F Y A R M F L S W S L V E E H Q D K V A G Y F Y A R M F L S W S L V E E H Q D K V A G Y F Y A R M F L S W S L V E E H Q D K V A G Y F Y A R M F L S W S L V E E H Q D K V A G Y F Y A R M F L S W S L V E E H Q D K V A G Y F Y A R M F L S W S L V E E H Q D K V A G Y F Y A R M F L S W S L V E E H Q D K V A G Y F Y A R M F L S W S L V E E H Q D K V A G Y F Y A R M F L S W S L V G T T T T T T T T T
UniRef90_B1KM75 UniRef90_W4VQD3	LTQRQIQLVQHSFSLVEPLSEQAADLFYDSLFKIDPSLK VLDKQTLETVKVTVPVLAEHGQAITSRFYQLLFLNNPELK
UniRef90_W5XXL5 UniRef90_UPI0002FE8511	LSPEHEATIKATLPLVGGKINEITPVFYKKMFTAHPEL MLCAEHRALITATVPLLESGGEALTDHFYKLMLAEHPEVR MASTQTIELIKATVPVLEEHGTALTKVFYKNMFIEHPELL LTTRQLFSISKSWKALARAMEPTGVEMFVRLFKQNEELL
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80 PO DO DO DO DO PRA O CARA DE MARCO DO PRA O P UniRef90_B8N5W0 UniRef90_F4Y0R0 UniRef90_K2HBC4 UniRef90_E5A9L7 UniRef90_Q7T1A4 UniRef90_Q7T1A4
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UniRef90_E5A9L7 UniRef90_Q7T1A4 UniRef90_Q0K2N2 UniRef90_S4RRY3	ALSPAVELIUM HAS LIFIKPE QYDIVGEYLLKIMAIVLG TLTEAMSSILSELHAFTLRVDPSNFKILVAHSIILVMAMYFP DIVPAVQELGRRHVA YGVKDEDYDTVAGALLWTLGAGLG QLEQLIVEMGRKH YKYNASPKYYSFVGIEFIATVQPFLQ
UniRef90_UPl000370B682 UniRef90_U1L5L6 UniRef90_UPl00024838DF UniRef90_A0YNP8	IL IR RII A H K H A S LLGI T A T Q Y T I V G R H L LA A V G E V LG A L K S A V E R II A H K H T S F N L Q P E M Y Q I V G H H L T E T L R E L T G A L G D A L T G L G A R H V K Y G A L P E H Y P L V G N T L L K T F E E F L G A L K S M I E K V A H R H V Q T H V Q P E Q Y S M V G E S L L Q A M K D II L IG
UniRef90_E9EIN2 UniRef90_UPI0002D96876 UniRef90_E9GAC8 UniRef90_P27199	KLGEAVERIAQKHAS LFIKPEHYPIVGQELVEAFVQILG RVREVLATVVSKHVS LDIRPEQYPIVGECLMAAIGEVLG KNPKNCPFIAKA KGKYHHEDLKLLGVTLMGVLEEELG
UniRef90_P21199 UniRef90_O66586 UniRef90_M7XWG2	DMSMKLKELSNKHVKNFNVDRKYFKVLAGVIADTVAPGD ELDNAISTIARSHVRRN VKPEHYPLVKECLLQAIEEVLN ALVSAVTDLGLRH RGYGTHEAHYEAVGAALLWTLEQGLG
UniRef90_C1MGW9 UniRef90_B0JFC8 UniRef90_A0A014MD88 UniRef90_W6WXD1	VLSDAVERI CQKHAS LFI RPEHYPI VGKYLLE A MGQVLG RPDALLSRI AHKHAS LGVSAAQYPVVHRHLSAAI AEVLG SLTAVLKNI ANKHAS LGVMPEHYPI VGEHLLGAI KDVLG
UniRef90_W7S8R2 UniRef90_F1A2R8 UniRef90_N6V4P8 UniRef90_Q9I0H4	DIV D PV V R R II A H K H A S L G I R P E Q Y T I V G R H L L S A V A R V L G K L P E I L P A V K Q I A H K H R I V P A Q Y D L V G A N L L G A I K Q V L G N L A V L G P A V E R L A Q K H Q I Q E H H Y P H V A N A L L A A I K Q V L G E L G P L V A K V V N K H V S L Q V L P E H Y P II V G T C L L R A I R E V L G
UniRef90_I0HCX7 UniRef90_K0T1L2 UniRef90_Q07A26 UniRef90_D2AQM5	PRGAAFEHVVDRIAHRHCIRPEQYTMVGRYLLRAVGTVLG ALIPILEDLGAKHATDWKVQKEHYDAVGECLLWTLETGLG AKGTVTASLGGVHVQKGVVDPHFVVVKEALLQAIKEVAG
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UniRef90_V8PEV3 UniRef90_Q7ZYZ5 UniRef90_UPI00045E9D13 UniRef90_R7X262	NI KATYADL SEKLHVDPONF DLSKI VESLAHKHVA YGVKDEHYAPVGAALIWTLERGLG ALGPVLERIVHKHVS VGITPSHYPIVGRHLLRAIKDVLG
UniRef90_P27992 UniRef90_A8QDR7 UniRef90_R8B8T8 UniRef90_A5EFK6	A T G G V VA AL G A I H I Q K G V V D P H F V V V K E A L L K T I K E A A G N T E K F F E L I G R Y H A H K K Y F K P E L F W V M E P F L H S V K L I L G K L Q H A V E R I A Q K H V S L T L Q P A Q Y D I V G K Y L M E A I G L V L G T V L P A A S A L A K R H V N Y G A K P E H Y P V V G A A L L W T L E K G L G
UniRef90_G6CW33 UniRef90_UPl0004732267 UniRef90_A0A059IUM5 UniRef90_UPl000464E2AB	DMDSFFTHVGGTHRQVPGFKAENFMKIEQPFLEAAKTTLGVLVPVVKQIAHKH RSIGVKAEHYPIVGEFLLGAIKEVLGVLAEALERIAQKHAG LQILPEHYPHVGTALLGAVSEVLA
UniRef90_Q2HDG2 UniRef90_G8X712 UniRef90_D2NPK8	ELTPKLERMCNKHCS LGIQPEHYGIVGKYLLGAFGEVLG VLINTLKSIGNKHVS LNITKEQYELVGNHLLASIKEVLQ YPDEVLSRVAHKHAS LGLKEEEYPTVYKYLFEAIAANLG
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UniRef90_A5E720 UniRef90_A0A016PHW4 UniRef90_W9ADN1 UniRef90_J3NI61	DLTPLLGFVQQIVAKHVQVKAEHYPIVGTCLIETMGELLPKLSHAVERIAQELLPKLSHAVERIAQELLPLKIKAEHYPIVGTHLIGAIGEVLGEILPHVKQIAHKH RSLNIKPEQYPIVGKYLLLALKEVLGELLPTLEKICNKHCS LGIQQADYSIVGRYLILAFAHVLG
UniRef90_F8I6Y7 UniRef90_I0HJM9 UniRef90_B1KM75 UniRef90_W4VQD3	Y P D E V L S R V A H K H A S L G L K E E Y P L V Y E H L F A A I A A N L G Q Y D S V L D R I A H K H A S L G L V A E Q Y P T V Y E H L F A A I A E V L G P D F S P V M R R I A H R H V S L G I S A R Q Y T I V G R Y L L A A V D D V L G E G Y G S V L D R V A S K H A S L G V V A E Q Y P I V Y E H L F A A I V D V L L G D L T P L L G F V Q Q I V A K H V S L G I S A R Q Y T I V G R Y L L A A V D D V L G D L T P L L G F V Q Q I V A K H V S L G I S A R Q Y P I V Y G T H L I G A I G E V L G E L D P H V K Q I A H K H R S L N I K P E Q Y P I V G K Y L L L A I K E V L G E L I P T L E K I C N K H C S L G I Q Q A D Y S I V G R Y L L Q T L A E S L G E L I P T L E K I C N K H C S L G I Q Q A D Y S I V G R Y L L Q T L A E S L G K F D D Y L R G L G R D H R K F H V E P E H Y E I V G G A L I E A M R S F A G D L N P V L Q Q L A Q R H N A Y G V K K S H F T P V G N A L L Y T L K A M Q D V L K Q L G G L V S Q V V N K H V A L Q V L P E H Y P I V G S C L L R A I R E V L G Q L G G L V S Q V V N K H V A L Q V L P E H Y P I V G S C L L R A I R E V L G Q L G G L V S Q V V N K H V A L Q V L P E H Y P I V G S C L L R A I R E V L G Q L G G L V S Q V V N K H V A L Q V L P E H Y P I V G S C L L R A I R E V L G Q L G G L V S Q V V N K H V A L Q V L P E H Y P I V G S C L L R A I R E V L G Q L G G L V S Q V V N K H V A L Q V L P E H Y P I V G S C L L R A I R E V L G Q L G G L V S R I V H K H V S L G S C M L V E M A M T K G
UniRef90_W5XXL5 UniRef90_UPI0002FE8511 UniRef90_U4T9S0 UniRef90_UPI0002657117	DPVAMLARIGHKHVS LGITKDQYQIVHDNLFAAIVEVLG QLGGLVSQVVNKHVA LQVLPEHYPIVGSCLLRAIREVLG VLLPQVTGISHKH RALQILPEHYPIVGKHLIGAIKQVLG
UniRef90_UPI00036E50FC UniRef90_K4GKC8 UniRef90_Q7M455	ELVTFLGQLGRDH RKFAVVGRHYDAVGVALIAALKRFLK KIKEIFEYLSKRHSDTIHVDPENFKLLGSCMLVEMAMTKG DLEDVCRKFAVNHVIRG VLDVKFGWIKEPMAELLRRKCG
UniRef90_A6SVK8 UniRef90_A0A031GIZ9 UniRef90_B5WH75 UniRef90_G7KGS8	A L A P V I S R I V H K H V S L G V T A A H Y P I V G E H L L G A I K Q V L G A L G D L V S T I V N K H V A L Q I R A E H Y P L V G A S L L Q A I R E V L G A L G P L A T R I V S K H V A L Q I Q P E H Y P I V G A C L L R A I R E V L G A T G E V Y T K V G A I H L Q R G V V D P H F V V V K E A L L K T I K E A S G
UniRef90_D8MIW2 UniRef90_W0ABT2 UniRef90_F4FH74 UniRef90_H0G2Y0	DL VELLKNTGANHRDRG VPKGDFELLAPVLVRFLKDNLG ALAPVVERIAYKHVG YHILPEHYPYVANALLAAIKEVLG GPVLDRIAHKHAS LGITPAQYTVVGRHLLAAVGEVLG ALGPVIERIAHKHIG YHILPEHYPYVAEALLAAIQDILG
UniRef90_F4QUX0 UniRef90_W9SYY0 UniRef90_D2Q0K7 UniRef90_C6WR47	A L A P V V E R I A Y K H V G Y H I L P E H Y P Y V A N A L L A A I K E V L G G P V L D R I A H K H A S L G I T P A Q Y T V V G R H L L A A V G E V L G A L G P V I E R I A H K H I G Y H I L P E H Y P Y V A E A L L A A I Q D I L G A L A A A V R R I A Q K H V G L Q I L P E H Y P Y V A E A L L A A I Q D I L G A L A A A V R R I A Q K H V G L Q I L P E H Y P H V G N A L L G A I A H V L G A L G P L V G Q V I N K H V A L Q V L P E H Y P H V G A S L L R A I R Q H F L G D L I P F L R Q L G R D H R K F G V V S S H Y E S V G T A L L A A I K K Y A G D L V P V L R Q L G R D H R K F G V V S S H Y E S V G T A L L A A I K K Y A G D L V P V L R Q L G R D H R K F G V V S S H Y E A V G T A L L A A I K K Y A G D L A P Y L R Q L G R D H R K F G V V S S H Y E A V G T A L L A A L K R H L G D L A P Y L R Q L G R D H R K F G V V S S H Y E S V G T A L L A A L K K H L G D L A P Y L R Q L G R D H R K F G V V S S H Y E S V G T A L L A A L K K H L G D L A P Y L R Q L G R D H R K F G V V S S H Y E S V G T A L L A A L K K S L G D L A P Y L R Q L G R D H R K F G V V S S H Y E S V G T A L L A A L K K S L G D L A P Y L R Q L G R D H R K F G V V S S H Y E S V G T A L L A A L K K S L G D L A P X L E R V L G D L S V L M D H V K Q I G H K H Q I K P E H Y P I V G E Y L L K A I K E V L G D L S V L M D H V K Q I G H K H Q I K P E H Y P H V A E A L L G A I K A V L G R L P E A V Q A A L L K T V E T G L G D L I P A V Q K L G E R H V S Y G V K P E H Y S T V G A A L L K T V E T G L G P E A P D F S P V M E R A H K H V I Q G T D Y I T V G H Y L L E A V G T V L G K L T A Y L C P L G R G H R K Y G T R P E H Y P P I V G K H L L A A I K E V L G L T A Y L C P L G R G H R K Y G T R P E H Y P P I V G K H L L A A I K E V L G L T A Y L C P L G R G H R K Y G T R P E H Y P P I V G K H L L A A I K E V L G L T A Y L C P L G R G H R K Y G T R P E H Y P P I V G K H L L A A I K E V L G C P L G R G H R K Y G T R P E H Y P P I V G K H L L A A I K E V L G C P L G R G H R K Y G T R P E H Y P P I V G K H L L A A I K E V L G C P L G R G T C T C T C T C T C T C T C T C T C T
UniRef90_H8G9K5 UniRef90_H5XB25 UniRef90_P41262	AL A A A V E R I A Q K H V G
UniRef90_S3CB17 UniRef90_P39676 UniRef90_T0HX42 UniRef90_W9GC32	DL SVLMDHVKQIGHKHQIKPEHYPHVAEALLGAIKEVLG NL AALAPAVERIAQKHQIQPAHYPHVAEALLGAIKAVLG EVVPYVEQLGRDH RRFAVIAEHYDAVGASLLWTLQHFLG
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130

140

150

2 V L D A WK A A Y G E L A G Y F S G L Y R Q A G W K G
E V K Q A W D D A Y G A I T T I M

2 V I D A WE L A Y G E I A S I E D E K Y K A S A W T G
E I L N A W G A A Y W Q L A D I M

2 V K G A W T S A Y W I L A G A M K D A

5 V K G A W T S A Y W I L A G A M K D A

5 V E D A W Q C L F R Y I A A W M K R G Y L E

6 V A A A A W D E V Y W L L A C E L I A R Y T Q A G

6 V K Q A W D D A Y G A I S T I M

6 V K Q A W D D A Y G A I S T I M

7 V K Q A W W D A A Y Q Q L A A N I F I Q R E E Q L

8 I E E A W T A A Y Q Q L A A N I F I Q R E E Q L

8 I K D A W I A A Y Q Q L A A D L L E H S Y R A F G W R G

8 I K D A W I A A Y Q Q L A N I F I Q R E E Q L

8 I K D A W I A A Y Q Q L A N I F I Q R E E Q L

8 I K D A W I A A Y Q Q L A D L L E H S Y R A F G W R G

8 I L D A W T A A Y D F L A A A L K K A F

9 A A A H A W A T V Y G T V A D V M K S

8 I L D A W T A A Y N Q L A Q L M I D R Y Q E A G

10 I V S A W A Q A Y S N L A D M L G S A E R L G G W T G

11 I G A W A E A Y G V I A K V F A D M Y K D A E T Q

12 I I G A W A E A Y G V I A K V F A D M Y K D A E T Q

13 I I G A W A E A Y G V I A K V F A D M Y K D A E T Q

14 I I G A W A E A Y G V I A K V F A D M Y K D A E T Q

15 I I G A W A E A Y G V I A K V F A D M Y K D A E T Q

16 I I G A W A E A Y G V I G S T M S

17 I I G A W A E A Y G V I G S T M S

18 I I G A W A E A Y G V I A A E I K K A M

19 I L E A W W A Y A Y D A L A D V E E Q I Y A E G G W R G

10 I V S A A W E A Y G I L A T T M

11 I A A A W T K M R S L I Y T H V T A A Y K E V G W

11 I A A A W T K M R S L I Y T H V T A A Y K E V G W

12 I L E A W A W A Y D A L A D V E E Q I Y A E G G W R G

13 I L A A D W E A Y G I L S S V M

14 I A A W T E V Y W L M A D A L

15 I A A A W T E A Y G I L S S V M

16 I A A D W E A Y G I L S S V M

17 I R E A W W E A Y G I L S S V M

18 I A A W T E A Y G I L S S V M

19 I A A W T E A Y G I L S S V M

10 I A A W T E A Y G I L S S V M

10 I A A W T E A Y G I L S S V M

10 I A A W T E A Y G I L S S V M

11 I A A W T E A Y G I L S S V M

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                                                                                                                                                                                                                                                                                                                                                                    DAANDQV
ADWTPEV
DAVDEEV
KATTAEV
DAATTAEV
EKWTNEV
AAVTDEV
ELFTADEV
SAVTEEL
DAVTPEL
KGFTDET
P G E A D F T P A A A T E T V A T E P A V T P D A A A T D D A A A T D D A WT P D A L T P K E F S P
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June 800 Listo		
T	UniPof00 P77646	
All		TEAOTAL VKSTAPILIKEHSLTITTVEYKSMIGAHPE
Miles Mile	UniRef90_B7QI99	LTTSDK <mark>C</mark> AIKDTWTMFRRETRTNALSLFVALFSRYPEYQ
Miles Mile	UniRef90_L8LT06	MNPKT TELVKSTAPVVKEKGKELT ERMYELAFNERPEYR
Marsen	UniRef90_D1LX80	TILITS DEVIA AII KSSWS AVYDKKKE SGVITLE VKLETEN PSEK
Marsen		MILDSKIII QVIKSIII PLLESAGPALII IHFYQRMFKHNPELK
JAMESSO JOHOGOZZAGES	UniRef90_A6VRC9	MSASIII AII I IKA I A PIV VIK E H G I EII II S I M Y G M M E S E E P EIVIO
JASSENSON MALLYRS JARRESON DALLYRS JARRESON DALLYRS JARRESON DALLYRS JARRESON DALLYRS LT P G G N F LL L K S WK G V A R D L J G G K T M L L E K D D D L M M L T D K G K F L L L K S WK G V A R D L J G G K T M L L E K D D D L M M L T D K G K F L L L K S WK G V A R D L J G G K T M L L E K D D D L M M L T D K G K F L L L K S WK G V A R D L J G G K T M L L E K D D D L M M L T D K G K F L L L K S WK G V A R D L J G G K T M L L E K D D D L M M L T D K G K M L T D K G K T M L L K S WK G V A R D L J G G K T M M L L E K D D D L M M L T D K G K M L T	UniRef90_G8WZT4	DTDADLIRRIMAVVEPÜÄDRTTSHFYÄÜÜFÜSHPEIIR
JANSCHOP, MALYER JANSCHOP, MA	UniRef90_R1IED5	MIL N E K T I E V K S T A P L L A E T G P K L T A H F Y E R M F S R H P E L K
JANSANSO GOVERNO JANSANSO GOVERNO MITTERSO GOV		MILIT PROILIFOIVIKATIVIPIVI IRFHGIVI LITTHEYRRMILIFGN PEILIR
JANSANSO GOVERNO JANSANSO GOVERNO MITTERSO GOV	UniRef90_X5KG23 UniRef90_C3Y097	LIT QKQKFLLLKSWKGVARQIISQCGKTMLTRLFKDDPOIM
JANSANSO GOVERNO JANSANSO GOVERNO MITTERSO GOV	UniRef90_M2LXP8	LTPGQVDIIRSTVPVLKEHGNDITKSFYETLLAEVPDLN
JUNESSO DIPOSO 37A4-18 MILS E O S A P V V K A Y TOP V V A A A LOS O TO V R DE TO V R K I F A D A A LOS O TO V R DE TO V R K I F A D A A LOS O TO V R DE TO V R A K I F A D A A LOS O TO V R DE TO V R A K I F A D A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO TO V R D R M R A T R D R D R D R D R D R D R D R D R D R	UniRef90_Q0VR92	MT PUQI AL VQ NS WD KV DALIS DQAASLIFY DRLIFT ND PALK
JUNESSO DIPOSO 37A4-18 MILS E O S A P V V K A Y TOP V V A A A LOS O TO V R DE TO V R K I F A D A A LOS O TO V R DE TO V R K I F A D A A LOS O TO V R DE TO V R A K I F A D A A LOS O TO V R DE TO V R A K I F A D A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO TO V R D R M R A T R D R D R D R D R D R D R D R D R D R		MIKEDINEIKASVPVIEKDGVKITSIMVNVMISTVDEVV
JUNESSO DIPOSO 37A4-18 MILS E O S A P V V K A Y TOP V V A A A LOS O TO V R DE TO V R K I F A D A A LOS O TO V R DE TO V R K I F A D A A LOS O TO V R DE TO V R A K I F A D A A LOS O TO V R DE TO V R A K I F A D A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO TO V R D R M R A T R D R D R D R D R D R D R D R D R D R	UniRef90_S7X5W1	<u> </u>
JUNESSO DIPOSO 37A4-18 MILS E O S A P V V K A Y TOP V V A A A LOS O TO V R DE TO V R K I F A D A A LOS O TO V R DE TO V R K I F A D A A LOS O TO V R DE TO V R A K I F A D A A LOS O TO V R DE TO V R A K I F A D A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO V R D R M R A A LOS O TO V R DE TO TO V R D R M R A T R D R D R D R D R D R D R D R D R D R	UniRef90_K9V3H3	MVSQKTLEI VKATAPI I KEKGEELTLRMYQITFEERPDYK
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June	UniRef90_UPI000262A1FA	L D P A H E E I V R A T L P L V G A H L E Q L A P T F Y D R M F A A H P E L L
June		LISESSII KILLIKSI SAILLISI EGI KIVII SRMYEII MILISNYPII VIK
June	UniRef90_UPI00042670CA	LDDATRALIRATÜPALLDAHGLAITTEMYRRLLAT PELK
Jinkergo UP10001CB9478 MID S O TI LA TV K KS TV IP IL LA EA TO G P K LI TV JO M M F M G M F G T H P Q T R A T M F V M M F W M G M F G T H P Q T R A T M F V M M F W M G M F G T H P Q T R A T M F V M M F W M G M F G T H P Q T R A T M F V M M F W M M M M F M G M F G T H P Q T R A T M F V M M F W M M M M M M M M M M M M M M M M	UniRef90_A0A037ZE85	MNEIQIIILIQDSFAKIVVIPIIKDIAAEILIFYADILIFEIAPAIVIK
June 1990 Sec 1987 Sec 1997	UniRef90_UPI000383C928	W LIA P A D R A AIV LIA LIWR KILIG T NIVIGILIY T T E A LIE R T F IVIA F P S S K
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June 1990 Sec 1987 Sec 1997	UniRef90_UPI0001CBB478	LITVEQKRLI IDSWKEL HIDLERI GMLMFMGMFGTHPQTR
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D S K K D V D S K K D V D S K K D V D S K K D V D S K K D V D S K K D V D S K K D V D S K K D S K K D V D S K K M S K A D L S K K D S K K M S K A D L S K K D S K K M S K A D L S K K D S K K M S K A D L S K K D S K K M S K A D L S K K D S K K M S K A D L	UniRef90_Q17153	PANKGLI RETWN VAGDR KNGVELMAL LFEMAPDSK
D S K K D V D S K K D V D S K K D V D S K K D V D S K K D V D S K K D V D S K K D V D S K K D S K K D V D S K K K D S K K K K K K K K K K K K K K K K K K	UniRef90_A6GNY6	SIEQKHWIKAII PALEQGGEALITTHFYKLMFSKYPVTA
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Juike190	UniRef90_B4WLV9	DVALLEKSFEQISPRAITEFSASFYQNLFHHHPELK
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JniRef90_H9JFD7	UniRef90_Q17154	DNKS LI REIWEM I AGDR KNG V E L MA LL FEMAPESK
JniRef90_J9SG81		MLD A Q T LI A T LIK S T LIP A LI A Q LI G P Q LI T G H F Y Q R L LIT Q H P E L K
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JniRef90_F7VG60 L D D T T R A I I T A C V P A L E A H G L D I T R E M Y A R L L A	UniRef90_UPI000474CFBA	L GENT L R IV KAT V PA L EAHG L A I TRRMYER <u>MF</u> QNPE L R
	UniRef90_F7VG60	L DDTTRA TA <mark>C</mark> V PA L EAHGL D TREMYARLL A

UniRef90_R7Z646	50 60 70 80 NUF NIAHQATGAQPAALAHAVWA YASNIENLE
UniRef90_G2XJ88 UniRef90_B7Ql99 UniRef90_L8LT06 UniRef90_D1LX80	LHN FNISN QRS GAQQK SLANAL LA YATHI DE LQKMFPN FADVALK DMMQCPSLTAHALTVIYALASI I ESI DRFFEN THMKN PEEGKK QAGKLAASVYA YASHI DE LESQFGYMS GVAD GDMK TLPALEN H GVK VMD RINE WMGNL TDVFNLAHQHS GGQPVALFN AVAA YAKNIEN LA
UniRef90_A9L475 UniRef90_A6VRC9 UniRef90_H3GBX7 UniRef90_G8WZT4	DVFNMTHQRTGGQPAALFNAIIAA YATHIDNLE NLFNMSHHRKGGAPPGVSRQATSLANAVIG FAANCDQLG FILFPAAMDVQRDRIFTAILVTAARIA
UniRef90_R1IED5 UniRef90_K1JTI7 UniRef90_X5KG23 UniRef90_C3Y097	DIFNMSNQFTGAQREALFNAVYG YAANIDNLPNIF NQAHQARGRQQKALAEAVLA YAENIENPAR NLFNRGNQAQGAQQRALAASIATFATHLVPDLPAVFFRHLRERDADVLYQDALLDAHAATVMEALHEALTHLD
UniRef90_M2LXP8 UniRef90_Q0VR92 UniRef90_Q6CHJ2	N V F N Q A N Q R N N H Q A A A L A S A L Y A Y A S H I D D L G P L F K G N M E E Q G K K L M T M I G V A V R G L D F Y T N L M A S H A E L T S I F P S I K K Q S V A A G V F G L A I K S L D H I E
UniRef90_G8YKA8 UniRef90_S7X5W1 UniRef90_K9V3H3 UniRef90_R7T5E2	PYF NETDQKLLQPKLLAFALLNYAKNLE NIF NMGNQKTGKQQQALAMAVLA YAEHIANPG R SFENTWMQHLDGGGQAGKLAAS VYAYATHIDRLD DYFSTFKGM SMEEIJALSGKMRAHGSMFMGALAGI I ENLD R DLFNRGNQGNGEQQKALAGSI AAFAGLL LEKPD
UniRef90_UPI000374A41B UniRef90_T0T531 UniRef90_F7A367 UniRef90_UPI000262A1FA	K M F Y N L E L P D D E E A M R S N Q K M S R H A T R I A T T Y L K L V D Q P E R D T F N R G N Q A Q G A Q Q K A L A A S V A T Y A T L L V D P D G
UniRef90_UPI0002B46EBE UniRef90_J2K0H0 UniRef90_UPI00042670CA UniRef90_A0A037ZE85	NLFNTSHVRKNGNSNTVAPQAQALANAVF RFAANADNLT AMFPASMDTQRDRLFKALLTAAQH VDNGE DLFNQSHQKDGEQPRALALAVLAYARNID RLD PYF ANSDMKEQGTKLMATLGVVVNGLR
UniRef90_UPI000383C928 UniRef90_W7R3G1 UniRef90_G9Y700 UniRef90_UPI0001CBB478	T Y F L H L N L S P G S A Q V A A H G Q K V A D A L S L A V N H L D P L F K A D L T E Q G A K L M Q M I G T A V A S L T N L D E II F N M S N Q R N G D Q R E A L F N A I C A Y A T N I E N L A
UniRef90_B0SVE8 UniRef90_F6ZKU9 UniRef90_K9ERN6	HIKALFNHANQSTGAQPKALAGAVLA YAQNI DNLG TLFYTIDLPDEEEVMRENKKVVAHATRI ANAISKFI KFLD PLFAH TNMDEQPKKI FASI V LVVENI VKPD
UniRef90_I3CEW5 UniRef90_K9T9X7 UniRef90_UPI0003624766 UniRef90_V5YLS3	PLF ANT DMEKQQQKLIMSLVYVVTNLRY PEDLFNQSHHGETGSQP KALALAVLAYARHIDDLGARFPAFVGQ DLSALKGSAPFALHATRIVSVISQYVGLLG
UniRef90_UPI00023766A7 UniRef90_Q17153 UniRef90_A6GNY6 UniRef90_D7A7Q2	GLF ESSDMHMQARKLLDMIGNAVRLLD KEFRRLGDV SPANLPNNRKLNGHGLTLWYALANFVDQLD TFF NPAHQEKGTQPRALANAVLA YAKHIDNPA ALFNQ ANQGDSGTQVHALAGALLA YAQNIDNLG
UniRef90_UPI000255986B UniRef90_UPI00047DE9BF UniRef90_D9XN99 UniRef90_H0R4L5	A L F N Q A N Q G D S G T Q V H A L A G A I L A Y A Q N I D N L G P L F S T E N D Q Q L K Q Q E T K F T L M L S A I V N S L T N L D N I F N Q T H Q R F G H Q P K A L A D A I Y A A A A N I E R S L F N R A N Q A S G A Q R E A L A G A V A A F A T T L V E R N L F N R G N Q A Q G A Q Q R A L A A S I A T Y A T H L V P A L P
UniRef90_A0A014MS30 UniRef90_X2H5Q9 UniRef90_I0IMI4 UniRef90_P02232	PLF NSVHQQTGAQPRALARSVL MYAKHIDDLS ELF NLGNQRNDAQPHALASAVLA YAQNITKLQ KMFPAEMGVQAQRLFDS IVYITSNIDKPD AM FSFLKDSAGVVDSPKLGAHAEKVFGMVRDSAVQLR
UniRef90_U2EMN6 UniRef90_A3LSI6 UniRef90_M7NY13 UniRef90_UPI000273DCC4	PYF NPAHQQSGRQQRALASAVCAYA QYV PFF NQTDQKFLRQPRILAFALL NYAKNIENLE DFF NPAHQQAGTQQRALAGAICA YAANIDNLS TYFPHF GLUPGSAQURALAGAICA YAANIDNLS
UniRef90_A4C946 UniRef90_B4WLV9 UniRef90_B6ZIV9 UniRef90_J9MVP5	PLFHGDV EEQGKKLMQILTTVVRGLKQFD PLF AETSQTIQEKKLIFSLAALIENLAVNNLN EF FKMIRKLPDEEYIQNPQFRAHVINLMTSLNLAVNNLN NTAHQDTGEQPAALAHAVWA YAANIENPE
UniRef90_B4WP36 UniRef90_K7EFP3 UniRef90_A8LLN0	PLFEHTN MAAQQQMLKGALVM VVDNLRRPE TYFPHF ELSQGSAQVKAHGKKVADALTTAVAHLD AMFQTSITRQSEML LEALALVVRGMRTDGALPPK
UniRef90_UPI000466FF13 UniRef90_A0A024JF60 UniRef90_W9C2H0 UniRef90_UPI00032ABB17	ELFPVSMQADN GRVVRALLRALR LVHRPDVLFPS IKSQASSMAGILALVISQLDALNNIFNQTNQKNEAQPRALAGALAAYAANIDDMFSFLKNF DGIPHQNSTLEAHAEKIFDMTRDAAIQLRDLFNMSNQRNGDQRQALFDAICAYAGN IENLA
UniRef90_D4E2S7 UniRef90_C7FFV5 UniRef90_A3VCL8 UniRef90_U9VVN9	AI F KLIGT DP H GAKSQAQGLIRVIMT FIVID CIVRS LID PLIF KGNMNEQGMKLMGTL AVVVNGL HTLID PLIFEH SDMAKQKQMLKGALV MVI IDNL RKPE
UniRef90_B2U728 UniRef90_H0Q3F9 UniRef90_G1X3W8 UniRef90_A5FW99	LIT NVF N M G N Q A N G S Q Q Q S L A S A V F A Y A A N H G N N A N F N L G N Q A G Q Q Q A L A Q A V L A Y A Q N I E N P A A L H E L F N Q T N Q Q N G H Q A R A L A M S V L A Y A K Y L D N L A F L F N Q S H
UniRef90_V5YNF6 UniRef90_E9GQN2 UniRef90_F0SL04 UniRef90_D6YB43	QKFHAFRNTPI MILKGTPGFRSHAQKI MKIFATAI DALG KMFSKFANVP QNELLSNGNFLAQAYTI LAGLNVVI QSLE SLF AGTSMEDQRQKLIQSLLVTMRS LDQPE ALFPPAMDAHNE HLVKALTKIVSMLDDPD
UniRef90_UPI0003AB75E8 UniRef90_UPI00035F1C6F UniRef90_UPI000372375C UniRef90_Q5TQA4	MGNLKVKAHGKKVLISFVKAVMLMD ELFPAAMD AQRDRLLKALLTAAEHID NLFNMGNQANGSQQQSLAAAVFAYAANIENSAA AY FDFTDDPNAQSLVDNKSLYDQALHVFKAVGALIEYGF
UniRef90_D2BU70 UniRef90_A0A059MLF9 UniRef90_A4CEG0	DI F NRTNQENRE QQKEALIFNAI CAYATHI ENLIP T DL FNRTNQENRE QQKALASSVAAFTL L VTEDAA
UniRef90_UPI00046F00C3 UniRef90_Q17154 UniRef90_J3DHZ5 UniRef90_H9JFD7	DLFNMSHQKDGEQPRALALAVLAYARHIDD KEFRRLGDL SPENLPNNRKLNGHGLTLWYALTSFVDQLD NVF NMNNQRSGNQREALFNAI VAYGSNLE DMFEKFRQCKTKEEQLNSMELAEHANNVMNTLDEGLKGLD
UniRef90_J9SG81 UniRef90_UPI000474CFBA UniRef90_F7VG60	A M F GRDSRAQAEMLRNVVVSVVKHVD DLFNQSHHGETGSQPRALAAA VLAYAQNIDNLG DPALSALFNRSHQKNGEQPTALALAVL MYARNINDLG

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UniRef90_G2XJ88 UniRef90_B7QI99	D <u>E</u> N	SPAVERI NTMVELI	AQKH\ KKNL	/ S L G 1 V R R S		QYAIV HFVNI	G E HL I N N L L I	K
UniRef90_L8LT06 UniRef90_D1LX86	D N L √	/ K QIL K HIL	IG T T HII	IA II K	IVIT F D I	NFNAN	1 D S IV I IN	<u>/</u> Y T L Q E <u>Q</u> G G
UniRef90_A9L475 UniRef90_A6VRC	5 V L S 9 <u>V</u> L T	S T V E R I N A V M R I	A Q K H <u>A </u> H K H_	TSFN	II IO P S (oynii v	'IGHHILL	IF TILIR FILIA P
UniRef90_H3GBX UniRef90_G8WZ7	7 NLG 4 RIT	BDAVPRM FYLSOL	V H K H N	/ S L D RKYG	I RAKI	HYPLV	G G <mark>C</mark> L L	RAIK <u>IVL</u> K GAISRYAA
UniRef90_R1IED8 UniRef90_K1JTI7	5 ALL VII	EYLSQL PVVEKI	AQKHA	AS FN	T P E I	MYAIV HYPIV	GENLL	GALSRYAA ATIDELFS ASIREVIG
UniRef90_X5KG2 UniRef90_C3Y09	3 H P A	A E L L S R I	G H K H A	S LG ORYN	V T A E O	QYPIV	HEHLF	A A I VKVLG
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UniRef90_Q6CHJ UniRef90_G8YKA	2 K L C	DEFLWSV	GKRHI	NRMIG	VEPI	HYRWL	GEAMI	K T F A D R F G
UniRef90_S7X5W UniRef90_K9V3H	1 V L L	D E F L W S V A P L Q A F P E L H R I A T A V G K I E C A A E I L	GHKH	/S LE	IRPEI	HYPIV	GNHLI	A S L K E V L G
UniRef90_R7T5E: UniRef90_UPI000	2 D L E	CAAELL	RSKV	SHEK	RNQHI	FHDLL	YVVFF	AFLAQKLG
UniRef90_T0T531 UniRef90 F7A367	ALT	KYLKSS	GQRHN	Ż K Ÿ Ġ	TKEE	HYPLV	GNTLI	K T F A H F F G
UniRef90_UPI000 UniRef90_UPI000	262A1FA S P F	REMLGRI	GHKHA	A S L G	TED	QYGIV	HEHLN	AAI VEVLG
UniRef90_J2K0H0 UniRef90_J2K0H0	12670CΔ Δ L C	AYLSNL	GRGH	R K Y G		HYPAV	GECLL	A T I D E L F S A A I R E V L G A A I V K V L G A A I V G D G L K T F A D R F G K T F A D T L L G K T F A D L C G K T F A D K L G A A L K E D V L Q A A L A E V L G A A L A E V L G A A L A E V L G K T F A G R Y L G K T F A G R Y L G K T F A G R Y L G K T F A G R Y L G K T F A G R Y L G K T F A G R Y L G K T F A G R Y L G K T F A G R Y L G K T F A G R Y L G K T F A G R Y L G K T F A G R Y L G K T F A G R Y L G K T F A G R Y L G K T F A G R Y L G K T F A G R Y L G K T F A G R Y L G K T S L G R Y L G K T S L G R Y L G K T S L G R Y L G K T S L G R Y L G
UniRef90_0F1000 UniRef90_A0A037 UniRef90_UP1000	7ZE85 DL E 383C928 DL F	O A I V Q Q L O G T L S Y L	AVKH	/ D Y G	VKPG	D Y D S V	GĀŚLL	ĬŘŤĽĔĸĠĽĠ
UniRef90_W7R30 UniRef90_G9Y70	21 A II \	/ ID IV/ IA () I) II		II) V (2	: I\/ K K F	- ∨ Δ () ()	' (2 A A I I	1/// 1 II II () (2 II I(2
UniRef90_UPI000 UniRef90_B0SVE	1CBB478 EL		GRRH	QEYK	ADFN	D V F	H L L L L L L L L L L L L L L L L L L L	KTLLGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
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UniRef90_B6ZIV9 UniRef90_J9MVP		AMMNKL	GESH	KRRQ	KER	H F G D L	KQVIV	T M F T E V L H
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130 140 150

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D G L T P E V A D A WV A A Y G Q L A D I F V K R Y D Q A G WR G
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S A F T P

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K D F T D E A G A A W M T A Y G N L A Q I L I D A Y K K T A W D
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A D V T N E V M E A W R E G Y D Y L A D
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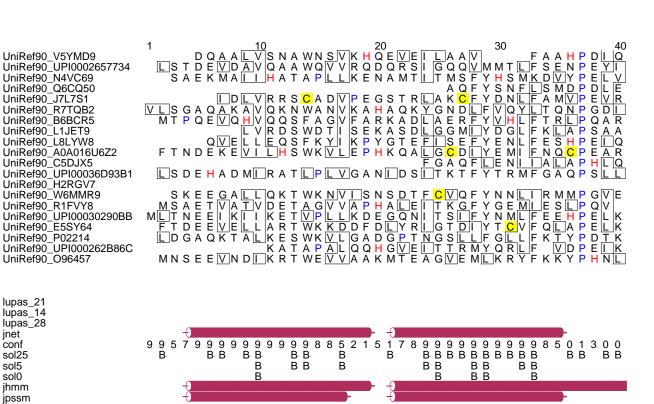
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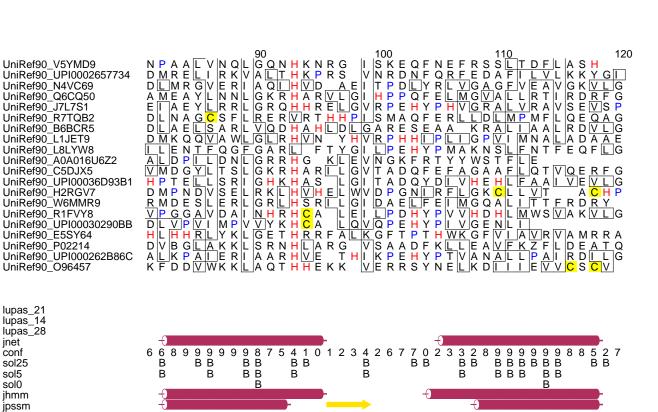
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