QUERY UniRef90_P02104	1 10 20 30 40 VQLS G E E K A AV L A L WD K V N E E E V G G E A L G R L L V V Y P W T Q R V N F T A E E K T L I N G L WS K V N V E E V G G E A L G R L L V V Y P W T Q R
UniRef90_G5BS34 UniRef90_UPI0003331BBB UniRef90_P86391 UniRef90_Q28932	10
UniRef90_P02052 UniRef90_F7GH03 UniRef90_UPI000395D7C5	VHLSGEEKAAVTGLWGKVDLEKVGGGSLGSLLIVYPWTQR VNWTAEEKHAISTIWAKVDIEKLGAHTLSRLLVVYPWTQR EKQLIPGLWGKVNVAECGGEALARLLIVYPWTQR VHLSAEEKAAVSSLQGKVKVDVVGGETLGRLLVVYPWTQR
UniRef90_M3YFH4 UniRef90_UPI0003F0D5A0 UniRef90_Q98905 UniRef90_G3SBL4	V H L S A E E K A A V S S L Q G K V K V D V V G G E T L G R L L V V Y P W T Q R V H L S D A E K A L V N G I WS K V D V D K L G G Q A L G C L L I V Y P W T Q R V H W S C E E K Q F I T S L W A K V N V E E V G G E A L A R L L I V Y P W T Q R H F T E E D K A T I T S L W G K V N V E D A G G E T L G R L L V V Y P W T Q R
UniRef90_W5MMC3 UniRef90_P18436 UniRef90_P82316	V H WS D E E R K A I T S I WG K V D V E S A G H Q A L V R L L I V Y P W T Q R V H F T A E E K A I I T S L WA K V N V E E T G G E A L G R L L V V Y P W T Q R V H F S D A E R D A I A A L WG K I H I D E I G P Q S L A R V L I V Y P W T Q R
UniRef90_B6SEZ2 UniRef90_J3SCF9 UniRef90_M7AYD8 UniRef90 P24292	V H WT A E E K A A I T S T W S K V N V E Q D G H E A L T R L L V V Y P WT Q R V H WT P E E K Q L I T A L W G K V D V P E V G A A T L G K L L V V Y P WT Q R WT A E E R H Y I T A T W D K L N V E E L G S E S L A R L L I V Y P WT Q K V H M T D A E K K L V T T M W G K L D V D A A G A E T L G R V L V V Y P W T Q R
UniRef90_UPI00046B3AEC UniRef90_E3TCM4 UniRef90_I3MW48	V H M T D A E K K L V T T M W G K L D V D A A G A E T L G R V L V V Y P W T Q R V Q F T A E K A A V A S L W G K V N V E E I G G E I L G R L L V V F P W T X R V S W S Q S E R S A I V D L W D K I N V D E I G P Q A L A R V L I V Y P W T Q R K P A I D V L W G K M N V D E V G G E A L G R L L V V Y P W T Q R
UniRef90_Q9PVL8 UniRef90_Q9YGF4 UniRef90_Q6S9E2 UniRef90_P02007	K P A I DV L WG K M N V D E V G G E A L G R L L V V Y P W T Q R V H W T A E E K A A I S S V W K Q V N V E S D G Q E A L A R L L I V Y P W T Q R V W T D E E R A A I S D I F S K L D Y D D V G P K C L S R C L I V Y P W T Q R V H W T D A E R H I I A D L WG K I N H D E I G G Q A L A R L L I V Y P W T Q R M A L T Q A E K A A V T T I WA K V A I E S I G L E S L E R L F A S Y P Q T K T
UniRef90_Q7LZC2 UniRef90_P13787 UniRef90_P10060 UniRef90_B5FX70	WEWSSNERSTITSLWGKINNAEIGQVALARVLIVYPWTQRMSLTKAERTMVVSIWGKISADAVGTEALQRLFSSYPQTKTVHWTAEEKHLLGSLWAKVDVADLGGEALGRLLVVYPWTQRVNWTAEEKQLVTTLWGRVNVDEGGAEALARLLVAYPWTQRMSLTKTERTIVESMWSKVSVDSIGTETLERLFNSYPQTKTVHLTDAEKALVTGLWGKVDVPVIGAESLARMLIVYPWTQR
UniRef90_UPI000334155E UniRef90_UPI00035A227A UniRef90_F6VE37	MSLTKTERTI VESMWSKVSVDSI GTETLERLENSYPQTKTVHLTDAEKALVTGLWGKVDVPVI GAESLARMLI VYPWTQRVQLSGEEKTAI LALWGKVNEEEI GGEAVSRLLI VYPWTQR
UniRef90_UPI000273A1C1 UniRef90_P02139 UniRef90_P02076 UniRef90_P07433	WSLIKIDKALIAAN WAKVSADCI GIEALERLEN SYPQIKI VEWTDAERSAN TALWGKLNPDELGPEAL ARCLIVYPWTQR
UniRef90_Q10733 UniRef90_UPI000444024C UniRef90_I3IZ27	MGLTAHEKQLITGSWGKINAKAIGKEALGRILLNTFPWTQRHWTAEERHYITSMWDKINVAEIGGESLARMLIVYPWTQRMSLTTNERTIILAMWDKIESEEIGRETLDRLLTVFPQAKTVQWSDSERKTIASVWSKINVDEIGPQALTRLLIVYPWAQRVQWSDSERKTIASVWSKINVDEIGPQTLARVLVVYPWTQRVTWTDFERATIQDIFSKIDYDIVGPDALSRCLIVYPWTQR
UniRef90_Q6DGK4 UniRef90_Q8AYQ6 UniRef90_UPI0003BCF535 UniRef90_W5QCX0	TVEEKDTV I A F WS WVRVDEV G A E TLIGRIL L V V Y P WT E R
UniRef90_UPI0003955C04 UniRef90_P83131 UniRef90_I1Y926 UniRef90_Q8UW93	PVS L P R L L I V Y P W T Q R  M V L T A G D K A N V K T V W S K V H L E E Y G S E T L E R L F V V Y P S T K T  M V L T A E D K K L I Q Q T W G K L G E E E I G A E S L W R M F H S Y P P T K T  V E W T E F E R T T I Q D I F S K M N Y D V V G Q Q S L A R C L V V Y P W T Q R
UniRef90_W5LAM7 UniRef90_P02004 UniRef90_Q7ZT86	VEWTOFERATI QDIIFSKMDYESVOGHNALAROLVYPWTQR VLTAEDKKLI QQTWGKLGEEEI GAEALWRAFHAYPPTKT MITAFFOSI I QKVIWFKTHRDFI GGESI IYRI FTSYPSTKT
UniRef90_Q8UV18 UniRef90_Q63910 UniRef90_B8K130 UniRef90_UPI00032ADC07	MSLSADDKKTVKAFWAKASADDI GADAL GRLLMVYPQTKT MVLSEEDKNNI KKAWVKI HAAEI GAETI GRLFI VFPSSKT MSLTKSERTI I MSLWDKVSSEAI GTEALERLFLSFPQTKT LSPEEKAAVTALWNKVDVEDVGGEALRRLLI VYTWTRR
UniRef90_F6KMG8 UniRef90_V5N513 UniRef90_P83114 UniRef90_A9UML4	MSLTKSERT I MSLWDKVSSEAI GTEALERLELSFPQTKT LSPEEKAAVTALWNKVDVEDVGGEALRRLLIVYTWTRR VEWTDKERATIQDLFSKIDYDAVGQATLCRCLIVYPWTQR MSLSAKDKAAVKAFWATIKAEDIGGQALFRMLTVYPQTKT VHLTDQELKYINAIWSKVDYKQVGGEALARLIVYPQTKT
UniRef90_P08423 UniRef90_P83272 UniRef90_Q4S4F1	WAT I DA GALARIL I VYPWT QR  MSLSAKDKAAVKT LWAKI KADDI GHDALSRML I VYPWT QR  MSLSAKDKAAVKT LWAKI KADDI GHDALSRML I VYPQT KT  VHWT AEEKATI ASVWGKVDI EQDGHDALSRL LVVYPWT QR  VKWSDKERAVI I SI FAGL DYEDI GPKALSR CLI VYPWT QR  MSLTKTDKAAVKALWNKL SVDVI GAEAF GRML LVYPQT KI  MTLTAEDKALVV LWGKI HTDALGGEALDR LFACF GQSRT
UniRef90_Q90ZA5 UniRef90_UPI000443AAAE UniRef90_UPI000383BA95 UniRef90_A0EZW7	MTLTAEDKALVVVLWGKI HTDALGGEALDRLFACFGQSRT VHLTAEEK VTALWNKVDVGKI GGEALGRL LVVYPWTQR CHRL LVVYPWTQR VEWTDQERSVITSIFDNLDYDDIGPKALCRCL I VYPWTLR
UniRef90_P0C239 UniRef90_Q7LZC1 UniRef90_Q8UW95	V Q W S D S E R T
UniRef90_V5N4L6 UniRef90_Q0PP67 UniRef90_O13164 UniRef90_W5MM10	SLSDKDKTTVKGLWGKISPDEIGAEALGRMLTVYPQTKTVXWTDXERAAITSLWGKIDVGEIGPQALARLLIVYPWTQRMSLSTADKDNITKTWAKVSPAOIGAEAFGRLLIVFPQTKI
UniRef90_UPI0003944CCA UniRef90_P14520 UniRef90_W5MM40 UniRef90_F6YMK0	MSLSAKDKETVKAFWAKVSAGDI GSDAVARMLTVYPQTKT SLTAKSKSI VKAFWGKI GADDI GAEAFGRMLTVYPETKT MSLSDKDKQHVQSIWSKASLEDI GNEALSRL I VYPWTQR FLSFPPTKT
UniRef90_C1BIL2 UniRef90_P18975 UniRef90_Q6Y239	MSLSSKDKATVKAFWAKVAPEEVGSDALSRMLVVYPQTKT MVLSSADKNNVKACWGKIHAGEYGAEALERTFCSFPTTKT VEWTDAERSAIKTLWGKINVAEIGPQALTRLMIVYPWTQR VDWTDAERAAIVSLWGKINVAEIGPQALARLLIVYPWTQR
UniRef90_Q5MD69 UniRef90_P85082 UniRef90_O12985 UniRef90_P84653	MLT D S D K K L V L Q V WE K V R H P D C G A E A L E R T T T Y P Q T K T MSI T F K D K A A V R A I W G K I S A D A I G A D A I I S R M I F V Y P Q T K T
UniRef90_C3KI50 UniRef90_P06467 UniRef90_A4ZQG8 UniRef90_UPI000329AB1A	MSL MKNERAL I MS MWEK MAAEPLIGTETLERLIF <mark>U</mark> S YPQTKT MV I SAFDKANVKTVWSKI <mark>H</mark> RAFY GAFAL GRMFFS HPTTKT
UniRef90_UP1000329AB1A UniRef90_P84610 UniRef90_C1BLE4 UniRef90_F6WP15	M S L S S K D K T L V K T F W A K V E V A E M G G E A L G R M L T A Y P Q T K T V E W T A A E R R H V E A V W S K I D L D V C G P L A L Q R C L I V Y P W T Q R V E W T E F E R T T I T S I F A K I D Y D K V G P K A L S R T L V V Y P W T Q R V H L T G D E K S V V A A L W S K V N V D E V G G E A L G R L L V V Y P W T Q R

QUERY	50 FFDSFGDLSNPGAVMGNPKVKAHGKKVLHSFGEGVHHLDN
UniRef90_P02104 UniRef90_G5BS34 UniRef90_UPI0003331BBB	F F D S F G N L   S S A S A       M G N P R   V   K A H G K K   V L   T A F G E S     K N L   D N F F D N F G N L   S S A S A       M G N P K   V   K A H G K K   V L   T S L G Q A L   K K   L D D
UniRef90_P86391 UniRef90_Q28932 UniRef90_P02052	LFSEFGNLSSPTAICGNPKVKAHGKKVLTAFGDAIRNLDN FFDHFGDLSSAKGVMGNAKVQGHGAKVLTSFGDAVKNMDN FFDSEGDLSSASAVMSNPKVKAHGKKVLTSFSDGLNHLDN
UniRef90_F7GH03 UniRef90_UPI000395D7C5	Y F S N F G N L S S P L A I D G N P R V R A H G K K V L T S F G E A V K N L D N 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 G
UniRef90_M3YFH4 UniRef90_UPI0003F0D5A0 UniRef90_Q98905	FFDSFGDLSSPDAI MSNGKVKA HGKKVVINSETINGEKNEDN FFDSFGDLSSADAI I KNPKVA A HGKKVVINSFSEGMKHLDD FFSSFGNLSSPNAI LHNAKVLA HGKKVLTSFGEAVKNLDN
UniRef90_G3SBL4 UniRef90_W5MMC3 UniRef90_P18436	F F D S F G N L   S S A S A
UniRef90_P82316 UniRef90_B6SEZ2 UniRef90_J3SCF9	Y F S K F G D M S S V A A I
UniRef90_M7AYD8 UniRef90_P24292 UniRef90_UPI00046B3AEC	F F E D F G N L S T S S A I
UniRef90_E3TCM4 UniRef90_I3MW48 UniRef90_Q9PVL8	Y F S K F G D M S S V A A I S G N P K V A A H G K V V L G A L E K G V K N L D N Y F S S F G N L S N V T A I S G N A K V K A H G K K V L T A V G N S I Q H L D D F F A H F G N L S G P S A I G A N P L V R A H G K K V L N S F G S A V K H M D N F F E D F G N L S T S S A I 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 H F F G H F G D L S S A C A V M D N P K V Q A H G K K V L H S L G D G L N H L D D F F D S F G N L S S D S A I M G N P K V K A H G K K V L T F F G K V M H M D E Y F G K F G N L N S V A A I L G N P K V T A Q G K V V L N A L D N A V K N L D N F F D A F G D L S S A S A V M G N A K V K A H G K K V L D S F S N G L K H L D N Y F S S F G D L S S P A A I 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 D Y F G A F G N L S N A A A I L G N P K V A A H G K K V V L G G L T K A V O N D D N
UniRef90_Q6S9E2	Y F G A F G N L Y N A E A I MN N P L I A K H G L T V L R G L E R A L K N M D D Y F S S F G N L S N A A A I L G N P K V A A H G K V V L G G L T K A V Q N L D N
UniRef90_P02007 UniRef90_Q7LZC2 UniRef90_P13787	Y F G Q F G D L S S I A A I S G N P K V A A H G K V V L D G V E K A V K N L D S Y F P H F D L H E G S P Q L R A H G S K V A A A V G D A V K S I D N
UniRef90_P10060 UniRef90_B5FX70 UniRef90_UPI000334155E	F F V S F G N M S S P T A V L G N P M V R A H G K K V L T S F G E A V R N M D S Y F P H F D L H P G S A Q L R A H G S K V V A A V G E A V K H M D D
UniRef90_UPI00035A227A UniRef90_F6VE37 UniRef90_UPI000273A1C1	FFDSFGHLTTSAAVTGNPRVKAHGKKVIHSFADGLKHLDN FFDSFGHLTTSAAVTGNPRVKAHGKKVLHSFGEGVHHLDN YFPHF DLHHGSAQLRGHGSKVLGATGDAVKDLDN
UniRef90_P02139 UniRef90_P02076 UniRef90_P07433	F F A S Y G N L   S S P A A   I   M G N P K   V   A A H G R T   V   E G G L   M R A I   K D M D N F F E H F G D L   S S A D A   V   M N N A K   V K A H G K K   V L   B S F S N G M K H L D D Y F S S F G N L   G S A E A I   F H N E A   V   A A H G E K   V V T S   V   G E A I   K H M D D
UniRef90_Q10733 UniRef90_UPI000444024C UniRef90_I3IZ27	FFSDFGNLTSSSALMHNVKIQEHGKKVLNSFGSAVKNMDH YFPHFDMNS RSAQLRAHGAKVMSAIGDAAKNIDN YFQSFGDLSTNAALMGNPKVAQHGRTVMGGLENAVKNLDN
UniRef90_Q6DGK4 UniRef90_Q8AYQ6 UniRef90_UPI0003BCF535	Y F G A F G D L S C A S A I M G N P K V S E H G K T V L K A L E K A V K N V D D Y F G S F G N L Y N A A A I A S N P K V A A H G K V V L G G L E K A L K N M D D Y F G S F G D L F T L T A I L K N D K V A A H G R M V L K A L D K A V N N M D N
UniRef90_W5QCX0 UniRef90_UPl0003955C04 UniRef90_P83131	Y F G S F G D L S S A A A I I G N P K V A A H G K V V L S G L T K A V Q N L D N Y F P H F D S F G N L S N A A A I I G N P K V A A H G K V V L D G V E K A V K N L D S Y F P H F D S F G N L S N A A A I I G N P K V A A H G K K V L N A I G E A V K N L D S Y F P H F D S F G N L S S A T A I C G N P K V A A H G K K V L T S F G E A V K N M D D N F F V S F G N M S S P T A V L G N P M V R A H G K K V L T S F G E A V K N M D D N F F D S F G N L S S A S A V M S N A Q V K A H G K K V L H S F A D G L K H L D N F F D S F G H L T T S A A V T G N P R V K A H G K K V L H S F G E G V H H L D N F F A S Y G N L S S A D A V M N N N A K V K A H G K K V L B S F S N G M K H L D D N F F E H F G D L S S A D A V M N N N A K V K A H G K K V L D S F G N L S S A D A V M N N N A K V K A H G K K V L D S F G N L S S S A L M H N V K L Q E H G K K V L N S F G S A V K N M D D N F F E H F G D L S S S A L M H N V K L Q E H G K K V L N S F G S A V K N M D D N F F S D F G N L T S S S A L M M N N P K V A A H G R T V L K A L E K A V K N W D D N Y F G S F G D L S T N A A I M G N P K V S E H G K T V L K A L E K A V K N V D D D Y F G S F G D L S T N A A I M G N P K V S E H G K T V L K A L E K A V K N V D D D Y F G S F G D L S T N A A I M G N P K V S E H G K T V L K A L E K A V K N V D D D Y F G S F G D L S T N A A I M G N P K V S E H G K T V L K A L E K A V K N V D D D Y F G S F G D L S T N A A I L K N D K V A A A H G K K V L D S F T K G L K H L D N Y F G S F G D L S T N A A I L K N D K V A A A H G K K V L L S A L C K H L D N Y F G S F G D L S N A D A V M N N P K V K A H G K K V L L S A L G E A V N N H L D D D D L H H D S P Q V R A H G K K V L S A L G E A V N N H L D D D L H H D S P Q V R A H G K K V L S A L G E A V N N H L D D D L H H D S P Q V R A H G K K V L S A L G E A V N N H L D D D L H H D S P Q V R A H G K K V L S A L G E A V N N H L D D D L H H D S P Q V R A H G K K V L S A L G E A V N N H L D D D L H H D S P Q V R A H G K K V L S A L G E A V N N H L D D D L H H D S P Q V R A H G K K V L S A L G E A V N N H L D D D L H H D S P Q V R A H G K K V L
Ullikeigu 111920	
UniRef90_P02004 UniRef90_Q7ZT86	Y F P H F DLS 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 N Y F P H F DLS C G S E Q I R S H G K K V V A A L S T A V K S L D N
UniRef90_Q8UV18 UniRef90_Q63910 UniRef90_B8K130	Y F P H F N T S E G S D Q V K A H G K K V A D A L T N A A S H L D D Y F P H F D L H A G S A Q L R T H G A K V A A A L G D A V K N I D N
UniRef90_UPI00032ADC07 UniRef90_F6KMG8 UniRef90_V5N513	Y F A K F G N L Y N A A A I MG N A D V A K H G S I I L H G L D R A M K N M D N Y F S H W N D F S L G S E Q I K K H G K M V L S G V G E A V D K I D D
UniRef90_P83114 UniRef90_A9UML4 UniRef90_P08423	Y F S H W K D L S P G S A P V R K H G K T V M G G V A E A V S K I D D Y F S S F G N L S N V S A V S G N V K V K A H G N K V L S A V G S A I Q H L D D
UniRef90_P83272 UniRef90_Q4S4F1 UniRef90_Q90ZA5	Y G G N F G N L Y N A A A I M G N P M V A A H G R V V L H G L D K A V K N M D N Y F G N F G N L Y N A A A I I G N P K V A A H G A V V L H G L D K A V K N M D N 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 N Y F P H F D L S C G S E Q I R S H G K K V V A A L L S T A V K S L D N Y F P H F N S E G S D Q V K K H G G A I M N G V T E A L G K I D N Y F P H F N T S E G S D Q V K K H G G A I M N G V T E A L G K I D N Y F P H F D L H A G S A Q L R T H G A K V A A A L G D A V K N I D N S F M T F G D L S S P S A I L A N P K V T I H G K K V L G A F T K S L N H L D N Y F A K F G N L Y N A A A L M G N A D V A K H G S I I L H G L D R A M K N M D N Y F S H W N D F S L G S E Q I K K H G K K V L R S I G E A L K H L D N Y F S T F G N L A S A D A I S H N S K V I A H G E K V L R S I G E A L K H L D D Y F S S F G N L S N V S A V S G N V K V K A H G N K V L S A V G S A I Q H L D D Y F S S F G N L S T P A A I M G N P K I A A H G I K V L G A F T K S L N H D D Y F S K W G D I S F G S S Q V K N H G K I V M G G I A T A V A N I D D Y F S K W G D I S F G S S Q V K N H G K I V M G G I A T A V A N I D D F F D S F G D L S S A D A V M G N P K V K A H G A K V L Q S M G D G I K N L D N
UniRef90_UPI000383BA95 UniRef90_A0EZW7	F F D S F G D L   S S A D A   V M G N P K V K A H G A K V L Q S M G D G I K N L D N 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 F G E A I K N L D N Y F S S F G N L   Y N S E A I K N N K K I A D H G I K V L H G L D R A V K N M D N
UniRef90_P0C239 UniRef90_Q7LZC1 UniRef90_Q8UW95	Y F S S F G N L   D N A E A       M G N A N V   A A H G   L K V L H G L D R G V K N M D D H F S T F G N     S T N A A L M D N D L V A K H G S T V M G G L D R A I K N M D D Y F S H W T S L   S P G S A P V K K H G K K V V A G I G L A V E K I D D
UniRef90_V5N4L6 UniRef90_Q0PP67 UniRef90_O13164	Y F
UniRef90_W5MM10 UniRef90_UPI0003944CCA UniRef90_P14520	Y F T H F A D L   S P
UniRef90_W5MM40 UniRef90_F6YMK0 UniRef90_C1BIL2	Y F P H F D F S A G S A Q I K G Q G Q K I A D A V S L A V A H M D D
UniRef90_P18975 UniRef90_Q6Y239 UniRef90_Q5MD69	YFPHF  DLSHGSAQVQAHGQKVADALTKAVVHIND  HFSSFGNISTNAAILGNEKVAEHGRTVMGGLDRAVQNLDD  HFGAFGNISTNAAILGNQKVADHGKIVMGGLERAVKNLDN  YFGNFGNLFNAAAILGNPNVAKHGLTIMHGLERGVKNLDH  YFPHF  DLHHGSDQVRNHGKKVLAALGNAVKSLGN  YFTHWPDLSP  GSVHVKKHGKNVMGGIALAVSKIDD
UniRef90_P85082 UniRef90_O12985 UniRef90_P84653	Y F G N F G N L F N A A A I I G N P N V A K H G L T I M H G L E R G V K N L D H Y F P H F D L H H G S D Q V R N H G K K V L A A L G N A V K S L G N Y F T H W P D L S P
UniRef90_C3KI50 UniRef90_P06467	Y F S K F G N L Y N A A A L M G N P N V A K H G K V I L Q S L E K A V K N M D D Y F P H F D L H G S Q Q L R A G F K V T A V G D A V K S I D N
UniRef90_A4ZQG8 UniRef90_UPI000329AB1A UniRef90_P84610	Y F S K F G N L Y N A A A I M G N P N V A K H G K N V I L Q S L E K A V K N M D D Y F P H F D L H H G S Q Q L R A H G F K I M T A V G D A V K S I D N Y F L H F D V S H G S A Q V K T Q G A K V T D A L A T A A D N L D D Y F S D W G D L S P N S P Q V K K H G A T I M R A V G K A V K N I D D Y F G E F G D L S T D A A I V G N P K V A A H G V V A L T G L R T A L D H M D E Y F G N F G N L Y N A A A I V G N K M V A A H G V V V I H G L E R G W K N D N D N D S F G F F G D L S A A A I V G N K M V A A H G V V V I H G L E R G W K N D N D N D S F G F F G D L S A A A I V G N K M V A A H G V V V I H G L E R G W K N D N D N D S F G F F G D L S A A A I V G N K M V A A H G V V V I H G L E R G W K N D N D N D N D N D S T C T C T C T C T C T C T C T C T C T
UniRef90_C1BLE4 UniRef90_F6WP15	Y F G N F G N L Y N A A A I V G N K M V A A H G V V V I H G L E R G W K N M D N F F E F F G D L S S P A A V M G N P K V K A H G K K V L G A F S D G L A H L D N

QUERY	90 100 110 120 LK G T F A A L S E L H C D K L H V D P E N F R L L G N V L A L V V A R H F G K
UniRef90 P02104	
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UniRef90_P86391	K
UniRef90_Q28932	LKGTFAKLSELH <mark>C</mark> DKLHVDPENFRLLGNLLV <u>LC</u> LAEHFGK
UniRef90_P02052	LKGTFAKLSELHCDKLHVDPENFRLLGNILVICLAEHFGK LKGTFAKLSELHCDKLHVDPENFRLLGNVLVRVLACNFGP VKTLFDNLSHLHSEKLHVDPQNFKLLGDNLIIELATALGK
UniRef90_F7GH03	VKTLFDNLSHLHSEKLHVDPQNFKLLGDNLIIELATALGK
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UniRef90 UPI0003F0D5A0	L K S AL A K L S E L H C D K L H V D P E N F K L L G N V L V I V L A S H F G N L K S I F A Q L S E L H C D K L H V D P E N F K L L G N M L V I V L A K H A G E L K E A F A K L S E L H C D K L H V D P E N F K L L G N M L V I V L A G H Y G K L K D T F A K L S E L H C D K L H V D P E N F K L L G N I L V I C L A E H F G K 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 I L V I C L A E H F G K 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 P V K T F D N L S H L H S E K L H V D P Q N F K L L G D N L I I E L A T A F G K L K G A F A K L S E L H C D K L H V D P E N F K L L G N V M V C V L A A H F G K L K G A F A K L S E L H C D K L H V D P E N F K L L G N V M V C V L A R H F G K L K G T F A Q L S E L H C D K L H V D P E N F K L L G N V I V R V I A R H F G K L K G T F A Q L S E L H C D K L H V D P E N F K L L G N V L V C V L A R N F G K L K G T F S Q L S E L H C D K L H V D P E N F K L L G N V L V C V L A R N F G K L K G T F S Q L S E L H C D K L H V D P E N F R L L G N V L V C V L A R N F G K L K G T F S Q L S E L H C D K L H V D P E N F R L L G N V L V C V L A R N F G K L K G T F S Q L S E L H C D K L H V D P E N F R L L G N V L V C V L A R N F G K L K G T F S X L S E L H C D K L H V D P E N F R L L G N V L V C V L A R N F G K L K G T F S X L S E L H C D K L H V D P E N F R L L G N V L V C V L A R N F G K L K G T F S X L S E L H C D K L H V D P E N F R L L G N V L V V V L A G Q F G A
UniRef90_Q98905	L K GTFAQL SELHCDKLHVDPENFRLLGNVIVRVI A RHLGS I KKTFAQL SELHCEKLHVDPENFKLLGNI L I I V L A THFPK L K GTFSQL SELHCDKLHVDPENFKLLGNVLVCVL A RNFGK I K A T F S K L S E L H S E K L H V D P E N F R L L G E T L V I V L A G Q F G A L K D A F A H L S R L H C D E L H V D P E N F R T P G K R A V I V L A H H F G R V K A T Y S N L S Q L H C E K L N V D P D N F R A L G D C I T I V V A S K F G N
UniRef90_G3SBL4	LKGTFSQLSELH <mark>C</mark> DKLHVDPENFRLLGN <u>V</u> LV <mark>C</mark> VLARNFGK
UniRef90_W5MMC3	I KATFSKLSELHSEKLHVDPENFRLLGETLVTVLAGQFGA
UniRef90_P18436 UniRef90_P82316	L K D A F A H L S R L H C D E L H V D P E N F R T P G K R A V I V L A H H F G R V K A T Y S N L S Q L H C E K L N V D P D N F R A L G D C I T I V V A S K F G N
UniRef90_F625T6 UniRef90_B6SEZ2	
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UniRef90_M7AYD8	I KETFSKLSELHCEKLHVDPENFRLLGNLLIIVLAGHHGK I KESFAELSKLH <mark>C</mark> DRLHVDPENF
UniRef90_P24292	II IK H E Y A A II IS E II IH C D K II IHIVID P E N E R II I IGNIV I VI <mark>CI</mark> VIM S R H E G A
UniRef90_UPI00046B3AEC	LKDTFAKLSELHCNKLHVDSENFRLLGNVILIVLATHFSK LKETYSKLSQLHCELLSVDPDNFRLEADCLTIVLANKFGA
UniRef90_E3TCM4 UniRef90_I3MW48	LKETYSKL ŠQL <mark>HČ</mark> ETL SVD PD N FRL FÅD <mark>C</mark> L TI VI A N K F G A HK GT F A SL S EL HC D KL HVD P E N F KL L G N MI V I V M A H H L G K
UniRef90 Q9PVL8	IKGNFADLSKLHADTLHVDPNNFLLLAN <mark>C</mark> LVIVLARKLGA
UniRef90_Q9YGF4	I KNTYAELSTLHSEKLRUDPDNFKLLSD <mark>C</mark> LTI VI AAKMGT I KGLYTQLSTLHSEKLHUDPSNFTLLGDTFTVTLAANFGP
UniRef90_Q6S9E2	IKGNFADLSKLHADTLHVDPNNFLLLANCLVIVLARKLGAIKNTYAELSLLHSEKLRVDPDNFKLLSDCLTIVIAAKMGTIKGLYTQLSTLHSEKLHVDPSNFTLLGDTFTVTLAANFGP
UniRef90_P02007	I R GALAKL SEL HAYIL R V D P V N F K L L S H C I L C S V A A R Y P S I K A T Y T K L S Q L H S D T L N V D P D N F K L L G D C L T I V L S A K F G A
UniRef90_Q7LZC2 UniRef90_P13787	IVIA GAILIA KILIS EILI <mark>H</mark> A YILLIRIVID PIVIN E K EILIS H <mark>C</mark> ILLI VITILIA S RILIP A
UniRef90_F13767 UniRef90_P10060	LKETFASLSELH <mark>C</mark> DKLHVDTENFKLLGNLVIVVLAARLHD
UniRef90_B5FX70	V K K <mark>C</mark> F A Q L  S K L  H <mark>C</mark> E K L  H V D P E N F R L L  G D V L V V V L  A S H F G K
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UniRef90_F6VE37 UniRef90_UPI000273A1C1	LKGTFSTLSELHCDKLHVDPENFRLLGNMIIIALSHHLGK LKDTFAQLSELHCDKLHLDPENFILLGNVLDVVLAYHFGK LESALSKLSELHAYLLRVDPVNFKLLSHTILVTLAAHFPA
UniRef90_0F1000273A1C1	I KATYAPL SVIMHSEKL HVDPDNFRL LADCITVCAAMKFGPLKGTFAQLSELHCDKL HVBPZBFRXXXXXXXXXXXXHHGSIKGYYAELSKYHSETLHVDPNNFKRFGGCLSITLGHHFGELKETFADLSKLHCETLHVDPENFKLLGSLLIJVLAMHFGK
UniRef90_P02076	I KATYAPL SVMHSEKL HVDPDNFRL LADCI TVCAAMKFGP LKGTFAQL SELHCDKL HVBPZBFRXXXXXXXXXXXXXXXHHGS
UniRef90_P07433	I K G Y Y A E L S K Y H S E T L H V D P N N F K R F G G C L S T T L G H H F G E I K E T F A D L S K L H C E T L H V D P E N F K L L G S L L I I V L A M H F G K
UniRef90_Q10733	I KETFADLSKLHCETLHVDPENFKLLGSILII VLAMHFGK VSGALARLSEMHAYILRVDPVNFKLLSHCLLVTLATHFPA IKNTYANLSHMHSEKLHVDPDNFRVLAECILCVAAKFGPS
UniRef90_UPI000444024C UniRef90_I3IZ27	VSGALARLSEMHAYLLRVDPVNFKLLSHCLLVTLATHFPA IKNTYANLSHMHSEKLHVDPDNFRVLAECILCVAAKFGPS
UniRef90 Q6DGK4	I KTTYAQLSQLH <mark>C</mark> EKLNVDPDNFKLLAD <mark>C</mark> LSIVIATN <u>F</u> GP
UniRef90_Q8AYQ6	I KNTYANLSHMHSEKLHVDPDNFRVLAECI LCVAAKFGPS I KTTYAQLSQLHCEKLNVDPDNFKLLADCLSI VI ATNFGP I KQAYADLSVLHSEKLQVDPDNFKLLADCLTI VVASQLGK
UniRef90_UPI0003BCF535	I K T T Y A QL S QL H C E K L N V D P D N F K L L A D C L S I V I A T N F G P I K Q A Y A D L S V L H S E K L Q V D P D N F K L L A D C L T I V V A S QL G K M K R T Y A D L S R L H F Q K L E V D P D S F R L L A D C I T I T I A C K F K S L K R F F A A L S E L H C E K L H V N P E N F K L L G N I L V I T L A R H F G K
UniRef90_W5QCX0	LKREFAALSELH <mark>C</mark> EKLHVNPENEKLLGNILVI <u>L</u> LARH <u>F</u> GK
UniRef90_UPI0003955C04 UniRef90_P83131	II IP G A II IS K II IS DII IH A O NII IRIVID PIVIN E K II I INII I <mark>C</mark> E IV V V IS G T H H P T
UniRef90_I1Y926	I A G A L S K L S D L H A Q K L R V D P V N F K L L G Q C F L V V V A S H H P A
UniRef90_Q8UW93	I K A A Y A FILSVI H S F KILHVD P D N F RILI G D CLITV V V A A QILG A
UniRef90_W5LAM7	I KETYAELSVLHSEKLHVDPDNFRTLIQICI VTNHFVT
UniRef90_P02004 UniRef90_Q7ZT86	LSQALSELSNLHAYNLRVDPVNFKFLSQCLQVTLATRLGK LSQALSELSSLHAYNLRVDPVNFKLLSQCIQVVLALHLGK LTTGLLNLSELHAFNLRVDPGNFKFFAHCILVVMANLYPK
UniRef90_Q8UV18	LITTGL LINLS EL HAFNLRVD PGN FKFFAHCI L V VMANLY PK
UniRef90_Q63910	II IP GAILIS LILIS DILIHAHKILIRIVID PIVIN EKELLIS HCILLI VILILIA SHHP G
UniRef90_B8K130	LACALS KLSELHAYVLRVDPVNFRLLSHCLLVTLAVHLPA
UniRef90_UPI00032ADC07	L N D T F A QL S E L H C D K L H V E P E N F M R L G N M L I L V L A R H F G K I K A A Y T D L S T L H S E T L H V D P D N F R L L S D C L A I V L A A R M G K L T N G L L N L S Q L H A F Q L R V D P A N F K I L S H N L L V V L A L L F P A L K G Y A K L S Q Y H S E K L H V D P A N F V R F G G V V V I V L A H H F H E
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UniRef90_V3N313	LKG YAKLSQYHSEKLHVDPANFVRFGGVVVIVLAHHFHE
UniRef90_A9UML4	LNAGLINLSELHAFQLRVDPANFKLLSHNILVVLATLFPA
UniRef90_P08423	VKSHLKGLSKSHAEDLHVDPENFKRLADVLVIVLAAKLGS IKDAYTELSILHSETLHVDPDNFKLLADCLTIVVAAKMGC LTSGLQKLSEVHAFDLKVDPANFKILGQCVVVVTAMLFPK
UniRef90_P83272	IKDAYTELS LHSETLHVDPDNFKLLADCLTIVVAAKMGC
UniRef90_Q4S4F1 UniRef90_Q90ZA5	ILID MGILIS KILIS EIVITA FULIKIVID PANEKII LIGU <mark>U</mark> V V V VII A MILIF PA
UniRef90_Q902A3 UniRef90_UPI000443AAAE	LKGTFSKLSELHCDKLHVDPENFRLLANMLLNVLAGNFGO
UniRef90_UPI000383BA95	LKGAFAKLSELH <mark>C</mark> DKLHVDPENFRLLGNVIVIILATHFGR
UniRef90_A0EZW7	II KATYAELISULIHSDTLIHVDPDNFRLLAD <mark>C</mark> LITIVIAAKMGS
UniRef90_P0C239	I M GV Y A ELL S SIL H S E KIL H V D P D N F KIL IS D CI IT II V V A A KIL G N
UniRef90_Q7LZC1 UniRef90_Q8UW95	I FAGILTI SEIHAFOI RIVIDPANERI I SH <mark>C</mark> I I VVI AMIFEDD
UniRef90_Q80W93 UniRef90_V5N4L6	L VG GLSALS DL HAY KLRVEPGNFKII LISHNFL VITLIAI NFPA
UniRef90_Q0PP67	L T S G L Q K L S E V H A F D L K V D P A N F K L L A D C L T I V V A A K M G C L T S G L Q K L S E V H A F D L K V D P A N F K I L G Q C V V V V T A M L F P K L D M G L S K L S D L H A Y N L R V D P G N F Q L L S H C I Q T V L A A H F P A L K G T F S K L S E L H C D K L H V D P E N F R L L A N M L L N V L A G N F G Q L K G A 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 I V I I L A T H F G R I K A T Y A E L S L L H S D T L H V D P D N F R L L A D C L T I V V A A K M G S I M G V Y A E L S S L H S E K L H V D P D N F K L L S D C I T I V V A A K L G N I K G A Y R E L S K K H S D Q L H V D P D N F K L L A E C I T L C V A G K F P K L F A G L L T L S E L H A F Q L R V D P A N F R I L S H C L V V L A M L F P D L V G G L S A L S D L H A Y K L R V E P G N F K I L S H N F L V T L A I N F P A L V G G L A A L S E L H A F K L R I D P A N F R I L A F L T T L C I A A K F G P
UniRef90_O13164	I KGAYANLSKMHSEKI HVDPDNFRLLAEUTTI CLAAKFGP
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UniRef90_P14520	LAESLLTLSELHAFTLRVDPANFKILAQNILVVLATMFPV LTGGLASLSELHAFKLRVDPANFKILAHNLIVVLALFFPA
UniRef90_W5MM40	I TANYASLISEL HSTKLHVDPDNFRVLGDCI TIVLAAQLIGT
UniRef90_F6YMK0	LATALSALSDLHAHNLKVDPŬNFKLL <mark>C</mark> HNVLVTLA <u>GĤ</u> LGK
UniRef90_C1BIL2	LSNGLINLSELHAFQLRVDPANFKIFCHNIIVVLAILFPD LPNALSDLSDLHAYKLRVDPVNFKFLSHCLLVTLACHHPE
UniRef90_P18975 UniRef90_Q6Y239	
UniRef90_Q5MD69	K E   K   K   K   K   K   K   K   K
UniRef90_P85082	LITETYEELISVIHSEKILHVDPDNFKLISDCLITII VVASRIIGK
UniRef90_O12985	LIS QALIS DLIHAYNLRVDPVNFKLLAQ <mark>CFH</mark> VVLA <u>TH</u> LIGN
UniRef90_P84653	LITNGLMELSEQHAYQLRVDPANFKI LSH <mark>C</mark> I LVVVVS MYPK
UniRef90_C3KI50	I K E V Y K T L S V K H S D L I H V D P D N F R L L A E L T T I C V G A K F G S L T E 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 S R L G K L S Q A L S D L S D L H A Y N L R V D P V N F K L L A Q C F H V V L A T H L G N L T N G L M E L S E Q H A Y Q L R V D P A N F K I L S H C I L V V V S I M Y P K I K G T Y A E L S V M H F E K L H V D P D N F K L L A D C L T I V V A A Q F G K L S S A L T K L S E L H A Y I L R V D P V N F K L L S H C L L V T M A A R F P A
UniRef90_P06467 UniRef90_A4ZQG8	QPGALIS DILIS DILIH A HKILIRIVID PIVIN FKILLIS HCLL VITILIA A HLIPS
UniRef90_UPI000329AB1A	L A C A L S K L S E L H A Y Y L R Y D P V N F R L L S H O L L Y T L A W H P P G K A C L L Y T L A W H P P G K A C L L Y T L A W H P P G K A C L L Y T L A R R H M P P A G M L L L Y L L A L A R M M P P A G L L M Y W D P P E N F R M R L L S D M L L L Y L L A L L H F P P A S M R L L S S E L L H C L R Y V D P A N F K L L S G G W V V V V L A L L H F P P A S M R L L S G M W L L L Y V L A L L H F P P A S M R L L S G M W L L L Y V L A L L H F P P A S M R L L S G M W L L L Y V L A L A K K M P P A K L L K G M Y L M L W D P A N F K K L L S G M W V V V L A A K K M P P A S M S M S M S M S M S M S M S M S M S
UniRef90_P84610	I KSTYAALSVLHSEKLHVDPDNFRLLCECLTI VVAGKMGK
UniRef90_C1BLE4	I RETYSELSHLHSEKILHVDPDNFKLFAECLTLVLAAEMGS
UniRef90_F6WP15	L KGTFAQ L SEL <mark> HC</mark> DK L <mark> H </mark> V DPENFR LTGNVLVCVL ARNFGK

QUERY	130 140 DFTPELQASYQKVVAGVANALAHKYH
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UniRef90_UPI0003331BBB	E F T P D V Q A A W Q K L V A G V A V A L G N K Y H
UniRef90_P86391 UniRef90_Q28932	D F T P A C H A A Y Q K L V N V V A H A L A R R Y H D F T P E V Q A A W Q K L V A G V A T A L A H K Y H
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UniRef90_M/AYD8 UniRef90_P24292	E F T P OVO A A Y O K V V A G V A N A L A H K Y H
UniRef90_UPI00046B3AEC UniRef90_E3TCM4	EFTPQMQASWQKLTTAVANSLAHKYH AFTPELQATWQKFLAVVVAAMSSRY
UniRef90_I3MW48	DFTPEAQAAFQKVVAGVANALSHKYH
UniRef90_Q9YGF4	AFTPEYQASFQKFLSVVVSALGRQYH
UniRef90_Q659E2 UniRef90_P02007	DFTPEVHETWQKFLNVVVAALGKQYH DFTPEVHAAWDKFLSSISSVLTEKYR
UniRef90_Q7LZC2 UniRef90_P13787	E F T P A   V   Q A   V   W Q K F   L   S   C   V   L   S A   L   S R Q Y   D F T A D A   H A A W D K F   L   S   V   S S   V L   T E K Y R
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UniRef90_UPI000444024C UniRef90_I3IZ27	V FTADAQEAWQKF L A VVV SA L GRQYH
UniRef90_Q6DGK4 UniRef90_Q8AYQ6	A F N P A V Q S T W Q K L L S V V V A A L T S R Y D F T P E V H A A F A K F L A V V V A A L R K Q Y H
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UniRef90_11Y926	I LT PEVHVSLDKFL SAVATALTSKYRLTPEVHASLDKFL CAVGTVLTAKYR
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UniRef90_P02130 UniRef90_G3PL33 UniRef90_Q802A4	LSTKDKEVVKAFWAKVSGEELGTDAVARMLRVYPQTKT MSLSRTDKEAVKALWAKMSKDVLGAEAFGRMLLAYPQTKI
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LiniDefOO LIGACIIO	50 60 70 80
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UniRef90_Q6GPP8 UniRef90_UPI00042BEF40 UniRef90_Q6F3D1	YFN LSSGSQDLQVHGGKVLGAIGEATKHLDN YFPHF DLRPGSAHLRTHGAKVAAALGDAVKSIDN
UniRef90_A0EZW4 UniRef90_P83623	YFSHWKDQSP NSASAKKHGITI MNAVGDAVSKII DD YFPHFFFFSA  SGVXLSGG VK AHGWKL GVXKISGD NSASAKKHGITI MNAVGDAVSKII DD NSASAKKHGITI MNAVGDAVKSII DN NYFPHFFFSA  SGSQDLQVHGGKVLGAI GEATKHLDN VFPHFFFSA  SGSQDLARAVKNMDN NYFSHW PDLAPNSPHVKTHGKTVMTGI ALAVSKII DD YFSHWPDMS AGSTPVKNHGKKI MGGLAEAVAKI DD YFSHWPDMS AGSTPVKNHGKKI MGGLAEAVAKI DD VFPHFFFSA GSAQIKGQQKI ADAVSII AVAHMDD
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LiniDofon LiDinno2502917	Y F P H F D L S H G S A Q I K G H G K K V V A A L I E A A N H I D D Y F P H F D L H P G S A Q L R L H G S K V V A A V G D A V K S I D N Y F A H W P D L S A G S G P V K K H G K I I M A G V G D A V D K I D N
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	90 100 110 120
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UniRef90_P02000	LAGALCRLSDLHAHNLRVDPVNFKFLSQCILVVFGVHHPC
UniRef90_G5CUP5 UniRef90_UPI00029D92B9	L T CGL R E L S E R H A F T L K V D P A N F R L L A H C L V V T A L M F P K L P G T L S K L S D L H A H K L R V D P V N F K L L S H C L I V T L A C H L S K I K G T Y A A L S T I H S E K L H V D P D N F R L L A E S F T V S V A M K L G P L K G T F A Q L S E L H C D K L H V D P D N F R L L A E S F T V S V A M K L G P L K G T F A Q L S E L H C D K L H V D P D N F R L L A H C L L V T L A A B F P S L A G N L S S L S D L H A H K L R V B P V B F K L L N H C L L V T L A A B F P S L A G N L S S L S D L H A Y N L R V D P G N F P L L A H L I Q V V L A T H F P G I K E S Y C E L S Q L H S D Q F H V D P D N F R L L A D C L A I A T Q W G S L A G A L C R L S D L H A H N L R V D P V N F K F L S Q C I L V V F G V H H P C Q A G A L S S L W V H L Y C L L S S Q Q L L G N V L V T V L A I H F G K
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UniRef90_A0EZW4	L Q E Y Y A D L S S T H C L K L F V D P Q N F K L F G R L V V V C L A Q T L Q T I K D T Y A E L S L L H S E K L H V D P D N F R L L A D C L T I V V A S R M G L L T N G L L E L S E E H A Y K M R V D P A N F K I L S H C M L V V I A T M F P K V A G A L S R L S E L H A Y L L R V D P V N F Q L L S H C L L V T L A S H F P A
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UniRef90_G5BXY5 UniRef90_L5LSF0	II IA S A II IS K II IG E II IH A Y II I I IRIVID PIVIN E K II I IA H CII I VITIVIA S H E P A
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UniRef90_Q5BJC7 UniRef90_UPI00038EA702	L L G A L S S L S D L H A T K L R V D P G N F K I L S H N I L V T L A V H F P A M P T A L S D L S D L H A Y K L R V D P V N F K L L N H S M L V T M A K N Y P E
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UniRef90_E3TGF8	LITTGL LSL SEL HAFQL RUDPANEKULAHNV LVYLADMEPA
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UniRef90_Q6DEW1 UniRef90_H3D5V1 UniRef90_I3N507	HFSQFKHMEDPLEMEGSVQLRKHARRVMGAVNSVVENLGD YF SHLDISPRSPHMLSHGRKIVLAIAEGAQDISQ FFDSFGDLSSASAVMGNAKVKAHGKKVIDSFSNGLKHLDN
UniRef90_UPI00042BE50A UniRef90_UPI0004421465 UniRef90_O42425	Y F K H L G V C P D E A Q L L T H G Q R V L E A V G V A V Q H I D H Y F P H F N M G A G S K D V L H Q G E K V A K A L G S A L N H L D D Y F S H W K D A S P G S A P V R K H G L T T M G G V Y D A V G K I D D
UniRef90_P02020 UniRef90_P02014	YFPHFGHDFSA  NNEKVKHHGKKVVDAIGQGVQHLHD YFPAK  DLSEGSSFLHSHGKKVMGALSNAVAHLDD RFEKFKHMKTADEMKSSEKMKQHGNTVFTALGNILKQKGN
UniRef90_P02200 UniRef90_M3WAU3 UniRef90_H3B2L7	Y F K H L G V C P D E A Q L L T H G Q R L L E A V G V A V Q H T D H Y E K N E K N L S T M E E M O K N E O L R L H G L R V M N S L N O V L O N L D N
UniRef90_S7Q7N2 UniRef90_I3M6D6 UniRef90_H3D213	KFEKLKNLKSEDEMKASEDLKKQGATVLTALGGVLKKKGQ KFDKFKHLKSEDEMKASEDLKKHGTTVLTALGGILKKKGQ FFKDFKHMEEPEEMQQSVQLRKHAHRVMTALNTLVESLNN YFAHFDFSPN SANIKAHGKKVANALNQAVNHLDD
UniRef90_Q7LZM7 UniRef90_V5N6Q4 UniRef90_P83113 UniRef90_S9YCX3	Y F A H F D F S P N       S A N I K A H G K K V A N A L N Q A V N H L D D         Y F S Q F R E M D D P E E M E R S S Q L R K H A C R V M N A I N T V V E N L H D         Y F P       N F D F H K D S P Q I K A H G K K V V D A L T E A S K H L D N         H F H H       L D L R P R S A Q V R A H G E K V A F A L T V A L D H L D D
UniRef90_Q45XH4 UniRef90_D5L2Y3 UniRef90_L5KH54	KAHGKKVLT SFGDAVKNI DN RFDKFRGLKTPDQMRGSEDMKKHGVTVLT QLGKLLKQKGH YFLH LDLSPGSTQVKAHGQKVADALTLAVDHLDD
UniRef90_Q8UUR3 UniRef90_UPI00027F7E11 UniRef90_Q9YGW1	Y F E H F R E L Q D P A E M Q Q N A Q L K E H G Q R V L N A L N T L V E N L R D Y F E S F G N L G S D C V I X G N P R V K A H X K K V L I S F R N A V T L M D D Y F Q K R T D F R S S L _ H A G I V V G A L Q D A V K H M D D
UniRef90_Q6TAD0 UniRef90_Q575S6 UniRef90_S9YMZ9	Y F G S F G D V S T A A A L M G N P K V A A H G R V V C G A L D K A V K N M G N Y F S Q F Q D M E E P E E M E R S S Q L R H H A C R V M N A L N T V V E N L H D Y F P H F D L H P G S A Q L R A H G G G G G S G R K A P G
UniRef90_UPI0003D0F472 UniRef90_K4FTL2 UniRef90_Q6F3D2	Y F P H L DL K P G S S Q V K A H A Q K V A D A L T L A A H H L D D Y F Q H F K N L S T L E E M K K S P Q L K R H G K L V M S A L N K L L A N L D N Y F P G K D L N F G S A F L H S H G K K V M S A L T N A V A H L D D
UniRef90_P20246 UniRef90_V5N4H6 UniRef90_H2ZWU1	L F T S F N H N F K A S D K Q V H D H A V N V S N A I S A A I G D L H D Y F S E F R H M E D T Q E M Q S S A Q L Q K H A V L V M N A L V E S V D D G E K Y F G N F K G M G S A A E M E Q S A Q V R T H G K K I F S A L N D M I Q H L D S
UniRef90_P20244 UniRef90_UPI0003C1633B UniRef90_UPI0001E86EA0	Y F P K F S G F S A N D K R V K H H G A L V L K A L V D T N K H L D D Y F R H L G D H P D E V OL L S H G Q R M L Q A V G V A V R Y L D N
UniRef90_C8YNP6 UniRef90_A9L8X8 UniRef90_Q92025	Y F SHLDLT PRSAHLLSHGQKI FLALAEGSKDI AN MGNPKVKAHGKKVLGAFSDGLAHLDN HFSTFGNLSTPAAIMGNPAVAKHGKVVMHGLDRAVQNLDD
UniRef90_M1V8U2 UniRef90_P02143 UniRef90_S4R971	QFSTFGNLGFADALCHNAKVLAHGQKVLASIVDGLKHPEN YFGNLKEF TACSYGVKEHAKKVTGALGVAVTHLGD FFPKFKGLDSADQLSKSAAVRWHAFRILNAVNDAVVALDD
UniRef90_UPI0002A4954C UniRef90_UPI0002C62FF6 UniRef90_H2V2A8	HFASFGNLSTNAVILGNPKVGQHGKVVXSGLESAVKNMDN YFKHLGACPDXVQLLSRXRRLLAAVGVAVQPLDAVQHLDN YFAGFGNLYNAEALKNNPNIAKHGVTVLHGLDRAVKNMDN
UniRef90_W5KM17 UniRef90_Q8JH45 UniRef90_B3RYV6	Y F T H LDLS P H S E P L R S I G K K V V E A I A E G T R H I G Q Y F A H W K 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 D VF P F E T T D N V R L R V H A T G V M K T V G K A V Q N L D Q
UniRef90_K7FYQ5 UniRef90_UPI0004440508 UniRef90_Q4JDG2	YF KSIPTEGNIQEDPQIRYHGRRVMVALNQVIENLDN YF APIDLSPGSMQLRAHGKKVAAALSVALGHLDD YFP SFTSYLATDPHVIAHGTKVFDALVKAAEHLDD
UniRef90_M7B1Z7 UniRef90_M7BHW7 UniRef90_UPI00029D8B08	VFTHFKGMGTAEEMEQSDQVRSHGKRVLTTIINDLVQHLDS           VFFLFRDIDDLQQLKMNKELRAHGLRVMSFIEKSVARLDQ           YFLH         LNLSPGSAQVRAHGQKVANALVLAVNHLDD
UniRef90_UPI00029DD19B UniRef90_P02015 UniRef90_Q9YGW2	GPAQIKKQCKXVADMLTNAVVHLDD YFP DKDLNEGSFALHSHGKKVMGALSNAVAHIDD YFEYKDYSA AGAKVQVHGGKVIRAVVKAAEHVDD
UniRef90_UPI0003959284 UniRef90_S9W893 UniRef90_P84217 UniRef90_Q7ZYZ5	F G E A I K N L D N F F D N F G N L Y S E S A I I G N P K V Q A H G E K V L T S F G N A V K H M E D L F K S F N G H F K A G D S G V Q G H A E K V V G A L D T A V L H L H D Y F A K F G N L Y N A A A I L G N P M V A A H G K T V L K G L E L A V K N M D N
UniRef90_Q72125 UniRef90_M3ZD94 UniRef90_G9K3V9 UniRef90_Q8BYM1	Y F S H WK D M S P G S G P V K K H G A T V M A G V A D A V A K M D D  K A H G K K V A D A L T N A V A H M D D  Y F P H L D L R P G S S Q V K A H A Q K V A D A L T L A T Q H L D D
UniRef90_Q6B1M1 UniRef90_K7F9V7 UniRef90_K4G4N4 UniRef90_Q4JDG1	LFQYCRQFSSPLECLSSPEFLDHIRKVMLVIDAAVTHLEN
UniRef90_UPI0001CF1E2C UniRef90_L8HVQ9 UniRef90_W5UIQ8	LFSSFKHDFKAT GSGVQGHAKKVVGALGTAVDHLGC YFSQFQDMEDPEEMEKSSQLRKHARRVMNAINTVVENLHD GRDSSLGSSQAQKQPGCPQLRKHACRVMGALNTVVENLHD VFFLFRDVEDLERLRTSKELRAHGLRVMSFIEKSVARLDQ YFEHFGKMCNAHDLLHNSKVQEHGKKVLASFGEAVKHLDN
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UniRef90_F6TGD7 UniRef90_M7BMA4 UniRef90_UPI0004573CF2	VFFLFRDVDDLQALRANKDLRAHGLRVLSFVEKSVARLADRFAKFKNLTTIDALKSSEEVKKHGTTVLTALGRLLKQKNNAFFLFRDLDDLQQLRKSKGLRAHGLRVMSFIEKTVARLDQYFAHF
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UniRef90_F7A3H3 UniRef90_UPI000258F143 UniRef90_UPI0003D71B9E	YFSQFQHMEDPVEMEQSTQLRKHARRVMNTVLENLHDPDK YFEAFKDI PLDQLPDNKRFQAHCASVIAALNNVIDSLHD YFDHFGDFSFCAATEDNHKLKALGKKMIESFSEDLQSLDN LFSKLQGLFSANDIG VQQHADKVQRALGEAIDDLKK
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UniRef90_C18YA0   UniRef90_C18YA0   UniRef90_UniPolo03D07C9F   UniRef90_UPI0003B3CD70   UK G T F G S L S D L H A H K L R V D P V N L K V L S D C L A H Y W M G S UNIREf90_UPI0003B3CD70   UK G T F G S L S S L H C D K L H V V D P N N L K V L S D C L A H X W D P V N F K V L G H C L E L T M A V H N G S UNIREf90_UPI0003B3CD70   UK G T F G S L S S L H C D K L H V V D P N N F K Y L S G V L E V L A E E F A N UNIREf90_UPI0003B3CD70   UK P H Y V L S L V G K A H A L K H K V E P V Y F K I L S G V L E V L A A N L G K W I N I N I N I N I N I N I N I N I N I	20
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UniRef90_A1ZN75	MT T Q D L N L V R N S WVS V H R D E A G D L F Y N Y L F K Q N P Q V K R
UniRef90_O97382	LITALIEK QSI QDI WSNLRSQDLAVKI FTRLESAHPEYKL
JniRef90_097382 JniRef90_097382	L T A L E K Q S I Q D I WS N L R S Q D L A V K I F T R L F S A H P E Y K L
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11. 'D. (00, 00A410	50 60 70 80
UniRef90_C0A118 UniRef90_I3KRJ1	LFPKFAAIIT DKGELASSAAVAAAHGATVLKKLGELLRARGD AFFAFRDLNDVNALRASKELKAHGLRIMYLIEKTVARIDQ
UniRef90_UPI0002C45644 UniRef90_Q3KN63	NSVDVPKHLDC LFQYCRQFSSPQDCLSSPEFLDHLRKVMDAAVTHVENLSS
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UniRef90_W4XLX6 UniRef90_W4XLX6	MFPFGENLSYSQLV QNPTLRAHGKRVMETI GQTVGSLDD MFPFGENLSYSQLV QNPTLRAHGKRVMETI GQTVGSLDD
UniRef90_W4XLX6 UniRef90_W4XLX6	MFPFGENLSYSQLV QNPTLRAHGKRVMETI GQTVGSLDD MFPFGENLSYSQLV QNPTLRAHGKRVMETI GQTVGSLDD
UniRef90_W4XLX6 UniRef90_W4XLX6	MFPFGENLSYSQLV QNPTLRAHGKRVMETI GQTVGSLDD MFPFGENLSYSQLV QNPTLRAHGKRVMETI GQTVGSLDD
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UniRef90_F6R663 UniRef90_C6L8I9	YFLH LDLSLGSTQVKAHGQKVADALTLAVEHLED LFPKFAGLAKGDLA GNADVAAHGATVLNKLGDLLKAKGG VFVPFKG KSADDLKDSKQLKSHATRVMGTVEKSLANLED
UniRef90_V3Z7S3 UniRef90_Q6VN46	ILIFPKFSGII ISQGDILIA GSPAIVIAAHGATIVLIKKILIGEILLIKAKGD
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UniRef90_W4YI83 UniRef90_W4YI83	L L P F G N E G L S Y D Q L L V D P R V R A H G T K V M Q T V G S A V D R L N D L L P F G N E G L S Y D Q L L V D P R V R A H G T K V M Q T V G S A V D R L N D
UniRef90_W4YI83 UniRef90_P09106	IL LIPFGNEGILISYDQIL LVIDPRIVIRAHGTKIVIMQTIVIGSAIVIDRILIND
UniRef90_V9QM19 UniRef90_UPI00046B9B19	Y F S H L D L S P G S A Q V R A H G Q K V A D A L S L A V E R L D D Y F A T L G Y L S S P A G I M G N P N V A A Q G R T V R G G L E R A I K N M V N L F Q Y C R Q Y S S S E D C L S S P E F L D H L R K V M D A A V T N V E D L S S
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UniRef90_W4W9U1 UniRef90_Q93101	EFP <mark>C</mark> KG ESILIAAILIKTNIVLLIGQHGAKFMEYII ITTAIVINGILIDD
UniRef90_UPI0002ADAB22 UniRef90_W5N545	DPGRGPGSQGEAAARRPLELTRDTWPCXXX VFFLFRDVEDLERLRASKELRAHGFRVMSFIEKTVDQLDR FFDKFGNLSSATALMGNPRLRAHGKKVLTSLGLAVQ
UniRef90_Q99MQ7 UniRef90_UPI0001D37934	II IF Q Y Y R Q F S S P F D CII IS S P F F II ID HII IR KIVIM A AIVIT Q C G N T C P H
UniRef90_W5LAJ0 UniRef90_E2C8N8	Y F S H W K D L   S A G S A V R K H G L   A V M Q G V L   R A V E L M D D  O F K S F K G L   P F F F L S K N K K F Q A H C V S V L S N V L D H L H N P F L
UniRef90_R7TFF7 UniRef90_Q90YJ2	L   F   P   S   L   K   N   D   N   E   D   Q   L   K   N   P   C   F   R   G   H   A   S   R   F   M   Q   S   V   G   E   N   L   D   T   P   G   D   A   A   V   S   H   L   D   D   C   L   S   S   P   F   F   T   F   H   V   T   K   V   M   L   V   L   D   A   A   V   S   H   L   D   D   C   T   T   T   T   T   T   T   T   T
UniRef90_Q5QSB0 UniRef90_V4A5G6	VFFLFRDVEDLERLRSSRELRAHGLRVMSFIEKSVARLDQ KFGFAK DGEVSLENKQFKAHVRKVLDVFESVVRELDQ
UniRef90_UPI000383DBD0 UniRef90_U5D5B6	RAVOYMDN
UniRef90_O24520	MFSFLR DSPLPAEQNPKLKPHAMSVFVMCCESAVQLRK
UniRef90_P02022 UniRef90_Q66L25	LFSFLRDSDVPLQ QNPKLRSHALSVFAMTCECAVQLRK MFSFLR DSPLPAEQNPKLKPHAMSVFVMCCESAVQLRK FF SRFDISPGSQDLLTHGGKIFGALGEAIKSLDN YFSSFGNLSNVAALSGNAKVRAHGKKVLSAVDESIHHL
UniRef90_I3ZP09 UniRef90_K1QF07	LFSFMKVNGAPF DSPMFKSHVRNVFTVIGDAVNHIDD
UniRef90_R1IP17 UniRef90_N1QXN3	GDIKQQGRKLMAMLHAAVNGLND MFPFLRDAGEDAPLESHPKLKAHAVTVFVMACESATQLRK
UniRef90_L7LXU0 UniRef90_G4WMV8	MFPFLRDAGEDAPLESHPKLKÄHÄVTVFVMÄCESÄTQLRK LFSGFAEVPPEALS TNPRLGAHÄMSVÄYÄLTSLVDSLDD LFPFLRDSTVPLEK NPKLKTHÄMSVFVMTCESÄÄQLRK
UniRef90_Q575T7 UniRef90_W4XUE2	L F E K L K D Y T D F E E L A R N K K M K A H A T R V M T S L V E N I D Q P D I
UniRef90_UPI0001CBA21E UniRef90_UPI0003F0AB64	L F G Y L E G I V G I E N I K N V P F L R V H A S H V L I Y L N T M L E S L N D L F P F R Y V P N D M L Q Q N E I F K M H G R R F M Q S V G A V I E N I D N
UniRef90_UPI0003C4848F UniRef90_H9GUN8	A F F L F R DI E DLQ QL K M S K E L Q A H GL R V M S F L E K S V A R L D
UniRef90_Q9NG75 UniRef90_Q9NG75	L F V E F R N I
UniRef90_Q9NG75 UniRef90_Q9NG75	L F V E F R N I P A S E L A N S D R L L Y H G S R V L T S V N E V I S S I D S L F V E F R N I P A S E L A N S D R L L Y H G S R V L T S V N E V I S S I D S
UniRef90_H2RIW6 UniRef90_UPI00042C6E8D	LFVEFRNI PASELANSDRLLYHGSRVLTSVNEVISSIDS LFVEFRNI PASELANSDRLLYHGSRVLTSVNEVISSIDS LFVEFRNI PASELANSDRLLYHGSRVLTSVNEVISSIDS LFVEFRNI PASELANSDRLLYHGSRVLTSVNEVISSIDS LFVEFRNI PASELANSDRLLYHGSRVLTSVNEVISSIDS LFVEFRNI PASELANSDRLLYHGSRVLTSVNEVISSIDS LFPKFAGITQSDLA GNAAVSAHGATVLKKLGELLKAKGN MEEPLEMERSPQLRKHACRVMGALNTVVENLHC
UniRef90_M1T4W5	
UniRef90_B3DUZ7 UniRef90_P14399	H F P K F K N K S L G E L K D T A D L K A Q A D T V L IS A L G N L V K K K G S
UniRef90_UPI00021A6F7D UniRef90_K7EMC7	A F P P F K D I P A D D L L D N K K F H A H C Q G I M S T L N D A I D A L D D Y F S Q F K H M E D P L E M E R S P Q L R K H A C R V M N T V V E N L H D P D K Y F E H F R E L Q D P A E M Q Q N A Q L K K H G Q R V L N A L N T L V E N L R D
UniRef90_F1R021 UniRef90_S4XMC7	ILIEKNOM AEOKKKII MOTII IAIVIAIVIDGII ISNII INR
UniRef90_E7BQB4 UniRef90_H2YFM6	VFN  LGGDAGKIAAQGLKVMTFIDGVVKGLDD  FFGSMLPLSDMDSLKSNPKVVDHASRVALSINNIIQLLEN  LFSSF_NLVDVNDLHKMPTFRAHAEMFMQVLHLVVDNLET
UniRef90_V4A611 UniRef90_G1FKQ7	HFPKFDGMSQADLIA SNGDLIAQGVIVLIKLGEVLKIRGN
UniRef90_F2Q9X4 UniRef90_F6HQJ3	L F R L M D D L D V P G E F E K N V A A R A H M V R F M H S F A T F M D T L D E L F S F L K D S K V P L E K N P K L K S H A M A V F V M T C E S A V Q L R K
UniRef90_Q9DGI9 UniRef90_Q9I9I3	L F P K F A G I G L G D M A G N A A I S A H G A T V L K K L A E V L K A K G N F F P K F K G L T T A D Q L K K S A D V R W H A E R I I N A V N D A V V S M D D
UniRef90_W5ZMY0 UniRef90_V7AEC3	L F P K F A GL S Q S E L A G N P G V A A H G E T V L K K L A E L L N A R G N L F S F L K D S N V P L E E N P K I K P H A K A V F V M T C D S A S Q L R K
UniRef90_O97381 UniRef90_O97381	VERKES DVPLOKLE DIPAVGKHAIIS VITKLDELIQIL D
UniRef90_O97381 UniRef90_O97381	L F R L M D D L D V P G E F E K N V A A R A H M V R F M T C E S A V Q L R K L F S F L K D S K V P L E K N P K L K S H A M A V F V M T C E S A V Q L R K L F P K F A G L G L G D M A G N A A I S A H G A T V L K K L A E V L K A K G N F F P K F K G L T T A D Q L K K S A D V R W H A E R I I N A V N D A V V S M D D L F P K F A G L S Q S E L A G N P G V A A H G E T V L K K L A E L L N A R G N L F S F L K D S N V P L E E N P K I K P H A K A V F V M T C D S A S Q L R K V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D E L I Q T L D V F P K F S D V P L D K L E D I P A V G K H A I S V T T K L D
UniRef90_UPI000383C928 UniRef90_E6PMQ5	
UniRef90_P21660	MMFVFGYSGRTSALKHNSKLQNHGKIIVHQIGQAVSELDD
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UniRef90_K7INA7 UniRef90_A1ZN75	VFTHFKDV PLEELSANKKFQAHCLNI LNNL I DSI NDPALLFQSNTHLQNQKLMSS
UniRef90_O97382 UniRef90_O97382	L   F
UniRef90_O97382	LIF T G R F G N V D N I N E N A P F K A H L H R V L S A F D I V I S T L D D

	90 100 110 120
UniRef90_C0A1I8 UniRef90_I3KRJ1	HAALLKPLATSHANTHKLPINNFKL LTEVIVKHMAEKAGL
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UniRef90_Q3KN63 UniRef90_W4XLX6	LDILVPILRDLRHVGYSVTRQHFEGPKEVMSTTQKRLI
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UniRef90_W4XLX6 UniRef90_W4XLX6	
UniRef90_W4XLX6 UniRef90_W4XLX6	L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I
UniRef90_W4XLX6 UniRef90_C3Y502	DILVPILRDLRHVGYSVTRQHFEGPKEVMSTTQKRLI
UniRef90_F6R663 UniRef90_C6L8I9	D D Q L I L D L G R K H Y Q Y K A L P K Y Y D L M G E E F I Q A I H P V L Q E L R G T F A Q L S E L C D K L H V D P E N S R L L G G M L V C V M A H S F R K L E E Y L T N L G K K H K A V G V K L S S F S T V G E S L L Y M L E Q C L G S L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D I L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D L L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D L L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L D L L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L L D L L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L L D L L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L L D L L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L L L D L L V P I L R D L R H V G Y S V T R Q H F E G P K E V M S T T Q K R L I L L L L L L L L L L L L L L L L L
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UniRef90_Q6VN46 UniRef90_W4YI83	HAALLKPLANTHANIHKVALNNFRLITEVLVKVMAEKAGL LESVVPLLQELRHIAYGVTKQHFMATIGCFSITCYNSIVQ LESVVPLLQELRHIAYGVTKQHFMATIGCFSITCYNSIVQ
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UniRef90_P09106 UniRef90_V9QM19	IVIKATYAPILISIVIRHSEKILIHIVIDPDNE
UniRef90_UPI00046B9B19 UniRef90_UPI0003AF8497	LEEYLAGLGRKHRAVG VKLSSFSTVGEALLY MLEKCLGP LIGALLSLSELHAFTLRVDPANF PELMEASLINFKHKVRGQTPEQFENLKQVILGAFPSLFGK
UniRef90_W4W9U1 UniRef90_Q93101	PELMEASLINFKHKVRGQTPEQFENLKQVILGAFPSLFGK YHGPLTELGSRHKTRGTT PANFGKAGEALLAILASVVGG
UniRef90_UPI0002ADAB22 UniRef90_W5N545	XXXXXSALSDEHAHKERVDPVNFKELSH <mark>C</mark> LLVTLAA <mark>HH</mark> PA LDQLALELGKS HYRYNAPPKYYGYVGTEFL <mark>C</mark> AVQPLLKE
UniRef90_Q99MQ7 UniRef90_UPI0001D37934	
UniRef90_W5LAJ0	WRSTFVNLGRNHRTVG VNLTSFSTVGESLLYMLEK <mark>C</mark> LGPLNVGLLNMSELHAFKLRVDPGNFKILSHNILVVFAILFPDMEASLINLAERHKNRGQTR EHFQNLRYVLEDLIPSVFGK
UniRef90_E2C8N8 UniRef90_R7TFF7	L SPILLI D L GRKH <u> VL F</u> GG <u>F</u> TPEYFA <u>AF</u> TEG <u>MM<mark>C</mark>I W</u> SEE L GK
UniRef90_Q90YJ2 UniRef90_Q5QSB0	O E A ILIA IVIEILIGKS HYHYN A PPKYYSYIVIGA E E ILI <mark>C</mark> A IVIO PILLIKE
UniRef90_V4A5G6 UniRef90_UPI000383DBD0	LEGLLPVLNDLGARHYGVPLKYYEILGSCIMYAWDRKLKM LCAVLSPLADLHAQVLHVDPTNFPLVIQCFQVVLASHLQG
UniRef90_U5D5B6 UniRef90_O24520	RESNLKDLGFTHFKYGIVD EHFDVGKFALLETIKEAIPT RETTLKRLGASHSKYGVVD EHFEVAKYALLETIKEAVPE LQKYQDLHTNKLKLSSDHMKLLSAALIEVFTAHFGG
UniRef90_P02022 UniRef90_Q66L25	LQKYQDLHTNKLKLSSDHMKLLSAALIEVFTAHFGG
UniRef90_I3ZP09 UniRef90_K1QF07	VKATFDKLSQLHSDKLHVDPQNFRLLGDNLIJALAAALGK LDSLSPILKDLKHQGYG <u>A</u> KKEYLEPVGNALL <mark>C</mark> TIE <u>K</u> HLED
UniRef90_R1IP17 UniRef90_N1QXN3	I E SI VPVI HOI RHEGYGVKKSHETPVGNAI I HTI KI GI GD
UniRef90_L7LXU0 UniRef90_G4WMV8	A E C L VEL VR KI A I S H T R R P V N F E H T M V V I V D T L K E R L G S
UniRef90_Q575T7 UniRef90_W4XUE2	
UniRef90_UPI0001CBA21E	LDELLRNTSVTHYRMRM PPHYFEDLGGVIIEALVENLGDGTLLVELKTLGYTHLNLTPEHFDALGPILISLLQEKGGD LDGLLHNLGKRHTDFDEVDGAYFD <u>IY</u> T <u>D</u> CMMHTWRSSLGN
UniRef90_UPI0003F0AB64 UniRef90_UPI0003C4848F	Q E D K   L   E H   L   A G R N H Y R Y S A P P K Y Y E Y   V   G   V   Q F   I   S A   V   Q P   I L   K E
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                                                                                                                                                                                                                                        PASNAPO AKVESSEDID QLIEPFEEPQGEAE
LUPLUSSEDID QLIEPFEEPQGEAE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GGGKAGGPKGGGTKGGKGPGGGGEPGGPGCVLLLVLLLVLLLTLAFLLLLALSV
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UniRef90_A6FFE8	A A T D A IV I IE A WGIL IA Y WQIL IA DIL L I IA A
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UniRef90_UPI00047C30DC UniRef90_Q7WUM8 UniRef90_UPI0004639C1B	I E L V E T S F E K I K P R A V E S S F Y Q N L F E T Y P E T Q R  MLT Q K T K D I V K A T A P V L A Q H G Y A Q H F Y K R M F Q A H P E L K N  M T P E Q V T L V Q Q S F S K V A P D Q A A V V F Y E R L F E V A P Q V R A  L T A D E K E I L K E S W K N I N K S T L A M M W F T K L F K A N A E E I V
UniRef90_A0A023F5X6 UniRef90_B5WH75 UniRef90_K1PR28	MT PEQVT L V QQS F S K V A P D Q A A V V F Y E R L F E V A P Q V R A L T A D E K E I L K E S W K N I N K S T L A M M W F T K L F K A N A E E I V M L T S N Q R Y I I K A T V P L L E T G G E A L T R Y F Y K L M L D H L S T R Q R L L V Q D T L E L M K D D D L G I I V F K R F F E T E P S V K K L T P E E I V L V R V T W E Q L K L A N L G K K V F L R I F N L K P D I K K L T P E E I V L V R V T W E Q L K L A N L G K K V F L R I F N L K P D I K K L A D C S C S C S C S C S C S C S C S C S C
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UniRef90_F4CV93 UniRef90_UPI00047BD293 UniRef90_F8I6Y7	Y GAEALER MFLS FPTT KT  Y GAEALER MFLS FPTT KT  MLSEQSAATVRAT LPVVGAGEITERFYARLFEAHPALLR  ETILRRS WAAMEADAL GRHFYATLFHIAPETRD  MLDTKTIELLKSTVPVLEKEDITKTFYNLMFTNHPELLN  KGRAEELGTRFYRHLFAEYPELQN  MELSDFEVIELKNTWKIADPSGSGQAILLKFFERYPHNKL  MUSEOTIRLIKOVT PAVNADTUTCKFYORMEAGNPEVKA
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UniRef90_L0PQJ5 UniRef90_D7I3E2 UniRef90_P02233 UniRef90_H6RLL7	MNETQIDMI QASFAKVAPETAADIFYTRLFELAPEVKPMQVSEEQQSLIMEDVQVLNYDDFVEDVLQQFMEENPETFQMLTSAQRDIIKAT VPLLETGGEALITYF YKLMLDMGFTDKQEALVNSSSEKQNLPGYSILFYTLVLEKAPAAKGDIPAMRANFAKAAADEAPLYFYSHLFLSHPETRQMALSQKTLDIIKSTVPVLEVHTILTSTFYKNMFSNHPELLN
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UniRef90_W1YVY0 UniRef90_UPI0003779E48 UniRef90_Q6WKX1	SEKIKEDL RETWGILEDTGVTLMLTLFKMEPGSKA LSEGDKKAI RESWPQINFEQNSLAVLLEFLKKFPKAQD MLSDRSRPIIKATLAPVNIDQIARRFYEHMFGAHPDLLD MLSDKTIEIVKSTVPLLAQAVVTEHFYKRLFSHNPELKN HLSPEHEELVKATLPAVNIEKIAHSFYGKMFSAHPELLR FSEEQEALVKEAWEKPNVQELGLKM FFLSWADVAG
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| CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMPACA | CAMP UniRef90\_T0RU19 UniRef90\_A7RY39 UniRef90\_C5QR69 UniRef90\_M2X487 UniRef90\_G4QHE2 UniRef90\_Q8T7J9 UniRef90\_B7P9R5 UniRef90\_UPI0002DA83D1 UniRef90\_UPI00047C30DC UniRef90\_Q7WUM8 UniRef90\_UPI0004639C1B UniRef90\_A0A023F5X6 UniRef90\_B5WH75 UniRef90\_K1PR28 UniRef90\_R7UHS6 UniRef90\_UPI0002627209 UniRef90\_F2Q9X5 UniRef90\_UPI0003F4CB53 UniRef90\_J9SPJ1 UniRef90\_Q96T46 UniRef90\_S5V1T2 UniRef90\_F4CV93 UniRef90 UPI00047BD293 UniRef90\_F8I6Y7 UniRef90\_T1GN60 UniRef90\_M5U5U8 UniRef90\_K1Q9R1 UniRef90\_K1Q9R1 UniRef90\_K6WGP8 UniRef90\_B9EAY0 UniRef90\_Q2PP42 UniRef90\_K0KNH8 UniRef90\_UP1000344B12C UniRef90\_UP10003711A7B UniRef90\_P31331 UniRef90\_UP100036A9B9D UniRef90\_UPI00036A9B9D UniRef90\_A0A059ITZ4 UniRef90\_UPI00046F463D UniRef90\_UPI00046F463D UniRef90\_D8PFN9 UniRef90\_W3F3W4 UniRef90\_W2E2W1 UniRef90\_UPI00040A6106 UniRef90\_P02240 UniRef90\_UPI00046847B9 UniRef90\_A0A058ZPU3 UniRef90\_L0PQJ5 UniRef90\_D7l3E2 UniRef90\_P02233 UniRef90\_H6RLL7 UniRef90\_UPI00035D3C7B UniRef90\_V5YLS3 UniRef90\_G7G771 UniRef90\_G3AFJ2 UniRef90 UPI00041ACC89 UniRef90\_X6FR46 UniRef90\_UPI0004653751 UniRef90\_UPI000360A57F UniRef90\_UPI0002B45448 UniRef90\_G3JHV7 UniRef90\_G3JHV/
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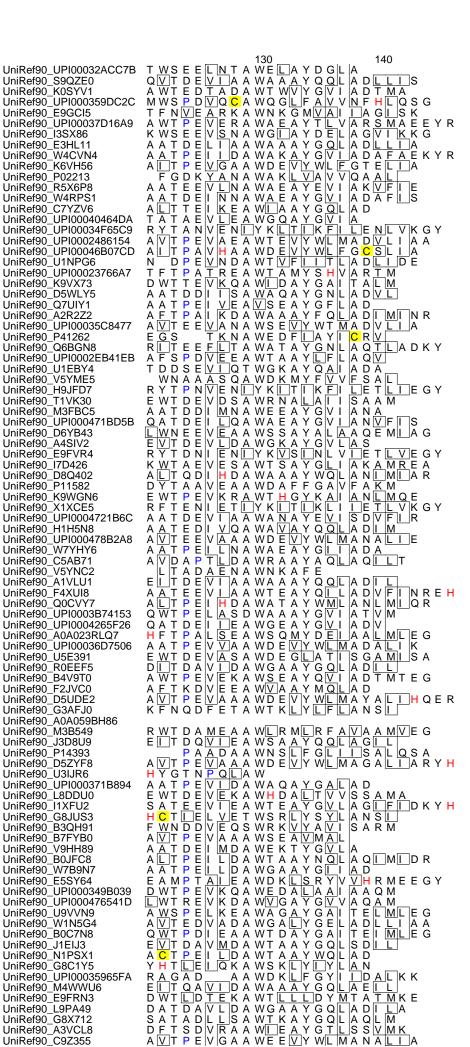
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Jinker90 (2780) Jinker90 (2804	UniRef90 T0RU19	90 100 110 120  L TNY L KKMGSRHV NYGT EPEHYSW V GQS LL KTFAFFGD
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	UniRef90_UPI00030E4F0A	RKELMDLL LTVGRSHFSLGAQHTHCTATCLQFGLCETF K

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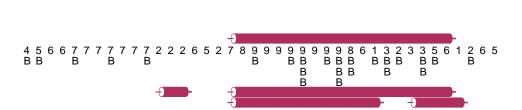
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UniRef90_G6EZ51 UniRef90_W9G373 UniRef90_M2X8F4	MLSSDQKAIIKATVPLLETEALTRHFYDRLLGDNPEIRPMLTESQKSLIKATVPVLREHGVALHFYQRMLTGNPELKQMLSDTSAQVIRDTLPAVGAGELTPLFYQKMFSAHPELIRSHIRTFKALAAADDGGLGVTRLFAKYPDMREMTPEQIRLVQASFDRLRPASIVSGFYCRFFELSPTLRPMLSQEVRTLVKSTAPKTHGEALTCHFYARMFQHNPELKQSQTQIDLIRLSWEQVSSHAFGLAFYEALFELCPEQQAMALTYQQMKLVKSTVPKESGELIATTFYRDMLAENPRLREMLDKQTIEIVKSTIPVLHGETITKEFYRLLFDEYPQVRTMLSESSAAVVTATLPVVRAEAITGFYRKMFDAHPDLLDMLSESSAAVVTATLPVVRAEAITGFYRKMFDAHPDLLDMLSEASKETVRATLPVVGAGDITTLFYRKMFDAHPDLLER
UniRef90_W2X8F4 UniRef90_UPI0004768E81 UniRef90_UPI00047B57D0	MTPEQIRIVQASFDRLRPASIVSGFYCRFFELSPTLRP MLSQEVRTLVKSTAPKTHGEALTCHFYARMFQHNPELKQ
UniRef90_I1CLZ4 UniRef90_J3NI61	S Q T Q I D L I R L S W E Q V S S H A F G L A F Y E A L F E L C P E Q Q A M A L T Y Q Q M K L V K S T V P K E S G E L I A T T F Y R D M L A E N P R L R E
UniRef90_C3XHE5 UniRef90_D9T384 UniRef90_E9T511	MLDKQTILEII VKSTII PV LHGETII TKEFYRII LIFDEYPQVRT MLSESSAAVVTATL PV VRAEAI TGRFYQRMFDAHPDILID MLSEASKETVRATI PV VGAGOUTTIVEYRKMEDAHPDILIDR
UniRef90_G3AFI9 UniRef90_F9T6Z6	DRVKAKSLARATTLFCQQLY MLNNQHLEVVKSTIPLLESAALTQHFYQRMFSHSPELKD
UniRef90_A0A016Q645 UniRef90_B6BCU8	MLNNQHIEVVKSTIPLLESAALTQHFYQRMFSHSPELKD MALSYQQTKLIRGTIPALHGERITTIFYRNMLRDHPELND MTDAELEQLRESYSKLKDEAVPAFFYDALFRHAPELRQ
UniRef90_X2H5Q9 UniRef90_A5DQY8 UniRef90_B9W7G1	MQLTTRQIELVQSTIPTLK EHGVEFYNRMLTNNPDLKE LSPEQVNIVKASVPKASGQELTKNFYQKMLSSYPEVKP
UniRef90_Q23761 UniRef90_R1H8H9	LTSDEAALVKSSWAQVKHNEV DILYTVFKAYPDIQA MLDQATIAVIKSTIPLLESAALTEHFYQRMFRDNPELKD
UniRef90_B0UIC5 UniRef90_H2APD5 UniRef90_A9AW41	LTPATVALVKATVPALEAHDLTRRMYERLFK NPELRDQQTFAEVNPQQLVEAFYGQLFMLAPDFRP
UniRef90_W0ABT2 UniRef90_X1WTL0	MSLTPATIALVKATVPALHGTALTTAMYARLF QDAHIKA MLDAQTLATVKATLAKLGPQLTG HFYQRMLSQHPELKN FSRQEKYLLRKSWNLIKSDELAVKLFEM FEKSPQAKK
UniRef90_U1NCF7 UniRef90_K9ERN6 UniRef90_E1G8W1	F Y S T L F S D Y P Q V K P
UniRef90_V6KZR8 UniRef90_H6RLL6	LIRRTLA EVEPDA ATAY FYAML FVQHPHLRE MLSDRSRPVVEATLPVVNLEELATRFYAHLFGEHP
UniRef90_UPI00047AB5C2 UniRef90_A0A023WP80 UniRef90_UPI0002628C30	MNLSAE RIIRESWATLVPALAAQLFYTRLFEIDPSAKL MLCAEQTALIKATVPLLESEALTTHFYRLLLTEHPEVQP MSLDTEKLAIVKSSAPKENSTEIGKRFYELLFTKVPE
UniRef90_UPI000374B524 UniRef90_G7H6Y4	MLSEQATPVIRETLPAVGIEELTALFYEKLFTA <mark>H</mark> PGLLR KDLL <mark>HH</mark> SLSIVDLPDDGVRFYDILFERYPGVKP
UniRef90_UPI0003B49674 UniRef90_V4HS65	MKLSPASEAVVKETĀGVVAĀDDATVLFYRDMFEAHPELLN MLSTQTIKLVKDTIPLLAGPAVTDHFYKRMFSHNPELLD MSLSQQSLSIIKATVPQVHGVNITTTFYR <u>NM</u> FKANPQLLN
UniRef90_Q9UAG7 UniRef90_J2K0H0 UniRef90_G3B6W4	L I R R T M A E I E P D K V T S Y F Y A L L F V Q Y P D L R A Q L Y G N L L N M N P T L E K
UniRef90_UPI0003819E82 UniRef90_Q43232	MLSQESAATVRATLPAVHLDTIITARFYDGMLVEHPELLD
UniRef90_J3NLL3 UniRef90_K8YWN8 UniRef90_A3QDN6	LTPEQMAIVKSTAPVLKEHTITTLFYKNMINAHPELRNVLSPHIVSVVKSTAPVLAAQRITQVFYPLLFSRYPAVQEMPLTDEQKQLIQKSFAEINRQNFASHFYDCLFAMAPLIRPMPLTEDQINIIKATVPVVHGTTITTVFYKNMLTENPDLNDMLSDKARPVIEATLPLVGIGEITPKFYDRLFAAHPELLD
UniRef90_B8MAY8 UniRef90_H0QLK9	MPLTEDQINI I KATVPVVHGTTITTVFYKNMLTENPDLND MLSDKARPVIEATLPLVGIGELTPKFYDRLFAAHPELLD
UniRef90_K1QVD6 UniRef90_UPI00041E3C32 UniRef90_D2Q0K7	MNESEKRLVKKTWKDLAKDMNGIRVFERIFELNPDLKQ MLSQQNIDIIKSTAPVLAVKEITTVFYKNLFKNHPELLH DPAALKSSWDVVAKDEVPMFFYSHLFLSHPEVRE LLKESWTLVDRDRLSGHFYARLFLLDPALRQ
UniRef90_C4RGE3 UniRef90_B4EE07	HII II A D Q M A RIVIK A I A PIV LI <mark>H</mark> G A I II II K H F Y Q R M F A R H P E IL IK N
UniRef90_M2X4A5 UniRef90_P81044 UniRef90_Q14SM8	MLSPASAAVIRATLPVVRÄHELTGEFYSSMFSAHPELLD SLTKTXXTLIXAMWAK RLFTSYPQTKT
UniRef90_A0A059MLX0 UniRef90_A5VB55	S D D D R RAL Q S S W S RL N K Q E A G I K L V T W L F D N V P N M R D M L S V E S A D V V R A T L P V V G A G D I T P L F Y R R M F A A H P E L E R L S E R T I A L V K A T V P A L E A H D I V R E M Y A R M F Q N P E L R D
UniRef90_M5DQW7 UniRef90_W2F1U7 UniRef90_R7U3L1	MLNTHQINIIKTTAPVVHAREITDYFYPLMFERYPE MLSPESAATVRATLPAIGIDDISARFYEGMFADHPELLR MGLTKAQLAAIQNNWARINLQDEGDTLFMRYLTUYPGDLA
UniRef90_UPI00045E9482 UniRef90_G3AFJ3	MLSSQHRELVKATVPVLREHGVALHFYRRMFSHNPELK
UniRef90_UPI00024838DF UniRef90_Q54D73 UniRef90_A5DWV2	QVELLESSFEKIKPQEFVSSFYNHLFTDYPEAKPMLSQKSIQIIKSTVPLL EKYGVEFYKNMFEAQPQFLNLSQHEIDMVRYTWNKMLMED KSNRPNRMPGQFPDLGR
UniRef90_A8LZ06 UniRef90_UPI0003722A76	DIVIT AII IR O S WN OIVIA A A G S R A A F Y A TII IFIV I IA P F T R T
UniRef90_C6WD65 UniRef90_N9Y857	MLSEQSAATVRATLPAVGAGEITERFYSGLFAARPDLLR MLSAQSREIVTATLPVVHVVAIATRFYGRMLGENPELLN MLDQKTKDIVKSTVPVLKEHEITTEFYKDMFKRYPEVKN TPDQRHVLVDAWKLVKPDTHGTNIFLKFFEKNPEYLG
UniRef90_Q0IEH8 UniRef90_A0A059IUM5 UniRef90_M3JWV7	LTEETLALIEATAPAVHVDQLVPCMYRRLLA DPELRA R
UniRef90_X7EAF4 UniRef90_U1YJ06	MLSQQHIDTVKATIPLLASAAITEYFYKRMFTHNPELQD MLSEKSRPVIEATLPLVGIGEITADFYNRLFTAHPELLD
UniRef90_D5QHT9 UniRef90_G0VGC0 UniRef90_UPI000329137D	LDDQTRSII LATVPALKAHAITTEMYKRLLET MLSEQTRTTIKAT VPVLEQQGSVITRTF YKN EPELIRQSWRVVSPLEHGTILFARLFDLEPDLLS
UniRef90_UPI00037A7EB7 UniRef90_B6H584	MILITAESILIAIL VIQATIVIGIV VIREADILITRKEYSTILIEAAHPE
UniRef90_D9WHF6 UniRef90_E3E3M9 UniRef90_R5Q9R1	LTAQQKQIVKSTIPAL EEYGVTFYKRMLEKNPELKN MMLSQKSADTVRATLPAVGAGSITDLFYRKLFEAHPELLR MLSKQTINIIKSTVPVLHGEEITGRFYDLMFQAHPELLN MLTPHQIELVKATVPVLQAHDLTKHFYARMLSKNPELRN
UniRef90_H6R783 UniRef90_UPI0003C18A4D	MLTPHQIELVKATVPVLQAHDLTKHFYARMLSKNPELRN ALIRTTFKAVAAEEGGAERLSRLFTEYPAIRD FSVRSKELIRESWDRLNKLPHGTVMFTRLFELDPDLMH
UniRef90_I7EH20 UniRef90_S3BRK2 UniRef90_K9T8Q6	MVS ADDRILI <mark>H</mark> RS <u>VERMELDHFVPLFYIKFFEI</u> CPDVRI DADLIRASMAELESDAATAYFYALLFVQYPHLRE
UniRef90_C5C8V0	MSL KIDLLEQSFESVKQAEFTTQFYANLFSDYPIVKP MLSEKSRPVIEATAAVVHMPEITPKFYAHMFEAHPELLD

UNIRGISO LOTTICS    Fig.   Fig
UniRef90_C5C8V0 LPEAVLARIAHKHTALGITEDQYQIVYENLFWALADVLGD

	400
UniRef90_I0JTK3	130 140 A A T <u>D</u> E <u>L T</u> Q A WG E A Y G V T A D V
UniRef90_UPI00047612D0 UniRef90_H0JB43	Q W S I E Y D Q A W A D A Y A V I A A R M E V T D A V I D A W A A A Y G Q L A N L L
UniRef90_G6EZ51	A A T D E L I D A WGVA Y Q QL A NL L
UniRef90_W9G373 UniRef90_M2X8F4	AVT PEVASAWDELYWHMADDLIR EWTEEVDLAWREAVALIAAVM AFTPAVRSSWLAAYATLSDIMSAEYR
UniRef90_UPI0004768E81	A F T P A V R S S WITA A Y A T L S DI MS A E Y R
UniRef90_UPI00047B57D0	A A T D E L VA A WA A A Y G Q L A D L L I A
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UniRef90_C3XHE5	NATKEILQAWEKAYQEIIAN AVITPEVAAAWDEVIYWIIIACEILAR
UniRef90_E9T511	AVTPEVASAWDEVYWLMANTLIA
UniRef90_G3AFI9 UniRef90_F9T6Z6	A F T P E V E E A W T A A Y L F L A Q V
UniRef90_A0A016Q645	TMTTQI REAWTKAY WML AKML
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UniRef90_R1H8H9	AVTEEVLAAWGKAYGVLAN
UniRef90_H2APD5	LFT TELEECWSKLYSYLANCL
UniRef90_A9AW41	QWNDEVQAAWVAAYTLVANVMVEA
UniRef90_X1WTL0	GDEVIDAWGKAYGVLANVI
UniRef90_U1NCF7 UniRef90_K9ERN6	A F T P A V R S S W A A Y A T L S D I M S A E Y R A A T D E L VA A WA A A Y G Q L A D L L I A E Y T E E T G E A W K A A A Y V A H H M T A W T P D V E L A W T K A Y W V L A K M M I A R N A T K E I L Q A W E K A Y Q E I A N A V T P E V A A A W D E V Y W L M A N T L I A R F N Q E L E V W I K L Y L Y L A N T I A F T P E V E E A W T A A Y W M L A K M L D F T P E L E A L W R R A F E E I D F T P E L E A L W R R A F E E I S A R M I Q R P M E S E L I E A W T A A Y Q Q L A D I L L A T P E F L Q A W A T A Y G N L A R K F T K E L E N L W I K L Y L Y I A N T L A W G D N V A A A W T H A L D N V Y T A V A V T E E V L A A W G K A Y G V L A N A A T P E I C A A W G E A Y W F L A E L L A A T D E I C A A W G E A Y W F L A D I L K A R G D E V L D A W G K A Y G V L A N V A F T D W T P E I S A A W T E A Y A A I T E I M L E G
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UniRef90_UPI00047AB5C2	Q WN A D V  K R A WT E  L  Y  L  F  I  S G V  M T R
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UniRef90_UPI000374B524 UniRef90_G7H6Y4	A VT P Q V A A A W D E V Y W L M A N A L I A D W T P E M S R E W T G A L N A V A G L M L A G Y
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UniRef90_V4HS65 UniRef90_Q9UAG7	ECTPEIIDAWAEAYGFLAD AATDELLGAWGEAYGVIAQA SWGPETEAAWVRAYTAISQLM KFNQELEILWIKLYMYLANSL AATPDVVAAWDEVYWLMAGALARLYH
UniRef90_J2K0H0	S WGPETEAA WVRAYTAII S Q M
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UniRef90_Q43232	A A T P D V V A A W D E V Y W E M A G A L A K E Y H  K W S E E L SI A W E V A Y D G L A T A L K K A  A A T P A I V D A W T A A Y A V L A D V  E V T V E V L K A W E Q A Y G F L A A V  A S S P A I E Q A W S C Y Y D E I A K V M I A A  A L T P E I H D A W A A A Y W Q L A D L F I A K  V I T P E I A E A W T E V Y W L M A D A L I K  E F S D N L Q H S  A A T D E I L A A W G E A Y G I V A D V F I S  A W T D C O L A A D W A E A Y G I V A D V M
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UTIII (CIBU_DZQUI\)	A W I Q Q L A A D W A L A I O L V A A I V I W
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UniRef90_M2X4A5	AVTPELFAAWHEVYWLLA <mark>C</mark> RLIAA
UniRef90_P81044 UniRef90_Q14SM8	A <u>A</u> D S A <u>E</u> A R S WT N L F T A F N E F L <u>A</u>
UniRef90_A0A059MLX0 UniRef90_A5VB55	A VT P E VA A A W D E V Y W E M A R A L I S A A T D E I L A A W G E A Y W F L A D I L L A R E H
UniRef90_M5DQW7	IV VIT F FIVIA D A WG A A Y Q QII IA SII I I
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UniRef90_UPI00045E9482 UniRef90_G3AFJ3	A A S D E L I E A W K L A Y G Q L A D L L K F N Q E L E L V W I K L Y L F L A N S L
UniRef90_UPI00024838DF	A W T F F IVIO T A WIVID A Y G A II IT T II IM
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UniRef90_A8LZ06	OWIPSIIKAS WAFAY QAIVIA GII IM
UniRef90_UPI0003722A76 UniRef90_C6WD65	A VT P E V A A A W D E V Y W L M A N A L I A A V T P E V A A A W D E V Y W L F A V K L I A
UniRef90_N9Y857	S A T D E II I I E A W G Q A Y E E II IA
UniRef90_Q0IEH8 UniRef90_A0A059IUM5	D ELEDAFTALLOSVANA AATPKVLAAWGEAYWFLADTLIAR
UniRef90_M3JWV7	K F T K E L E N L W I K L Y L Y L A N N L A F T K D V E E A W V A A Y G Q L A D
UniRef90_X7EAF4 UniRef90_U1YJ06	<u>VI</u> TPE I <u>A</u> EAWTE <u> V</u> ]Y W <u>L M</u> AD <u>A</u> L <u>I</u> K
UniRef90_D5QHT9 UniRef90_G0VGC0	AATPELLDAWGKAYWFLADIL AATPELINAWGEAYGELANV
UniRef90_UPI000329137D	
UniRef90_UPI00037A7EB7 UniRef90_B6H584	A A T P E I L A A W D E A Y W L L A C E L V A R A A N E Q V L D A W K A A Y Q Q L A D
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UniRef90_I7EH20	E WS E D T H S A WRV F L T D V A L N M T WG P R T E A A WV R A Y T A I S Q T M
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lupas\_21 lupas\_14 lupas\_28 jnet conf sol25 sol5 sol0 jhmm jpssm

lupas\_21 lupas\_14 lupas\_28 jnet conf sol25 sol5 sol0 jhmm jpssm



60

70

80

50

90 100 110 120

lupas\_21 lupas\_14 lupas\_28 jnet conf sol25 sol5 sol0 jhmm jpssm

130 140

lupas\_21 lupas\_14 lupas\_28 jnet conf sol25 sol5 sol0 jhmm jpssm