	1 10 20 30 40
QUERY	LIS A D QITS T V Q A S F D K V K G D P V G T L Y A V F K A D P S T M A K F T Q
UniRef90_S6BEI3 UniRef90_P02222	MPADEVALVQNT WNQVKTNEVDI LYAI FKAYPDI QARFPM LSADEASLVRGSWAQVKHSEVDI LYYI FKANPDI MAKFPQ
UniRef90_V5YME9	L  S S D Q Y S  L V  K S T W D Q  V  S H N E  V  D    L  Y A     F K A Y P D     Q A K F P Q
UniRef90_S6CDG3 UniRef90_P29243	LTADQAALVQGAWSKVKTSEVEILAAVFSAYPDIQAKFPK LTSDEANLVKSSWNQVKHNEVDILAAVFKAYPDIQAKFPQ
UniRef90_S6B7U0	L   P A N E   V   A A   V   K D T W N H   I   K H D E   V   A   I L   E A   V   F K A Y P D   I   Q A R F P K
UniRef90_P11582 UniRef90_Q25218	II IS G D QII IGII VIQ S T Y G KIVIK G D SIVIGII I IY AIVIF K A D P T II IQ A A F P Q
UniRef90_S6BNF1	L   S H D E A E   L L   K G A W D Q   I   K H N E   V   D   I L   A A   V   F S A H P D   I   Q A R F P K
UniRef90_P02223	SSDQANAII IRASWAGIVIK HNEIVIDII LIAAIVIFSDHPDII IQARFPQ
UniRef90_V5YMG1 UniRef90_Q45V70	L  S A D E A S  L V  R A S W N Q  V  K H N E  I  D  I L  Y Y  I  F K A N P D  I  M A K S P Q
UniRef90_P02226 UniRef90_Q94442	II IS A D Q A A II V IK S T W A Q IV IR N S F IV IF II I I IA A IV IF T A Y P D II IQ A R F P Q
UniRef90_E2C8N8	MSEKQKK LV QNTWA IV RKDG L A I MNAFFTRYPEYQDQFKS
UniRef90_Q802S6 UniRef90_V5YNF8	LCDSEREMIKDTWAKVYQNGVAILIRLFVNFPSSKQYFSQ _EAGLIRGSWQHIKGREVDLLYVIFKENPDLQAKFPA
UniRef90_A4IGG7	L  T D V E R G I
UniRef90_M4AD09 UniRef90 W4W9U1	LTDKERVMIQDSWAKVYQNGVAMLVRLFVNFPSSKLYFSQ LTEKQKKLVQNTWAIVRKDGVALLLAFFKQYPESQKEFKS
UniRef90_C3Y502	L   T E G E K A T   I   R R T W A   V   M M G N G A N   I L L   K M F E   I   N P D T K K   V   F A K
UniRef90_V5QQP3 UniRef90_Q9U1K3	SEEQEAL V VKS WNAMKKNASEFFLRVFELAPTAKKLFSF MNSDEVQLIKKT WELPVATGAALLTQFFNRFPSNLEKFP
UniRef90_V5YMJ3 UniRef90_V5YLS0	LASEEAI EVQTAWNAVKDNQADMLYAVFKDYPEI QDKFPA LDERQVALIKKSWEI VFARPLDI LYAYLEKFPHNQEKFAA
UniRef90_O97382	L Y G K E I V A L R Q A F A A V T P R N V E I F A K L F A A H P E Y K N L F K K
UniRef90_O97382 UniRef90_O97382	LYGKEI VALRQAFAAVTPRNVEI FAKLFAAHPEYKNLFKK
UniRef90_Q6DEW1	II IT E S E R GIV I IK E T WA RIVIY A N GIVISII L I IR F F IVIN F P S A K Q H F S Q
UniRef90_A0A026WVZ6 UniRef90_H2U139	MTEKQKRLVQNTWAIVRKDGVAIMLALFTEYPEYQKQFKL LTDKEKVMIQDSWAVVFQSGVALLVRLFVSFPSSKQLFKD
UniRef90_B6SEZ2	T A E E K A <u>A</u>     T S <u>T</u> W S K   V   E <u>Q</u> D G H E A   L   T R   L L V V   Y P W T Q R Y F S S
UniRef90_P02112 UniRef90_K7F490	II IS D A F K K IV I IQ F T WS R IV IY T N G IV IS II I I I IR F F IV IQ F P S A K Q Y F S Q
UniRef90_F6TTF3 UniRef90_P02127	T A E D K A A II IT S IL IWA K IV IE D A G G E T IL IG R IL L V V IY P W T Q R F F D S
UniRef90_UPI000332F66D	TAFEKAILITNII IWSKIVINIVIEETEAILIGRII LVVIY PWTOREEDS
UniRef90_M7B321 UniRef90_B6ZIV9	LTQAEKAAVVAI WGKI AAQGTESLERLESSEPQTKTYFPH LTRREIYAVQKSWAPVFANGAELLRRLEQTFPETKEFFKM SEEQEALVLKSWAI MKKDSANI FLKI FEVAPSASQMFSF
UniRef90_O04985	SEEQEAIL V L IK S WAII IM K K D S A NII IFILIKII IFEIVIA P S A S Q M F S F
UniRef90_O02004 UniRef90_P08849	LTPHQTRDVQRSWENIRNDRNALFVKLFKETPRTQKFFAK LTAEDKKLIQALWDKVQGHGAEALQRMFLTYPTTKTYFPH
UniRef90_UPI0001CBA21D	II IS A G F II IK II V IK D S WA PIVIY A N G II IA II IFIVIRII IF S F N P G F Q S Q F R Y
UniRef90_O97381 UniRef90_O97381	SAADI EAI QKTWALAKPDGASVFRQLFTDH GYQPLFSN SAADI EAI QKTWALAKPDGASVFRQLFTDH GYQPLFSN
UniRef90_E9FXJ8	ILIS S H E R SII I IR K T W D Q A K K D G D QIV L IY R F II IK A H P E Y Q K K F S K
UniRef90_H3B4U9 UniRef90_H3B2L7	LITEADKQNII RGII WKTIVIFENAEEII VII RLIFEKYPETKIVIYFKN
UniRef90_E9FXJ7 UniRef90_P02231	T G R Q I R D A Q R T WE N I R G G R N A I F I K L F K E T P R V Q K Y F A K M T D A Q V A A V K G D W E K L K G S G V E L L Y F F L N K F P G N F P M F K K
UniRef90_U4UEU2	Y Q K E   I   G K M Q   I   F E K H P E Y Q Q   L   F P
UniRef90_T1JI21 UniRef90_P02088	LTLRQKKVVTEI WDLVKQNGI DFFIEFFKAFPLNLNNFKA LTDAEKAAVS <mark>C</mark> LWGKVNSDEVEALGRLLVVYPWTQRYFDS
UniRef90_Q95NK8	L S A S D R A T I R K T W E Q A R K D G D Q T L F R F V K A H P E Y Q K L F R S
UniRef90_G5BS33 UniRef90_UPI0003955C04	LSNEEKAAVTSLWGKVNVEETEALGRLLVVYPWTQRFFEH RLLIVYPWTQRFFSD
UniRef90_P86391 UniRef90_V5QR23	TAFFKOLLIT <mark>C</mark> LWGKVDVAGGFSLAGMFVMYPWTORLFSF
UniRef90_P02109	LTSEEKN <mark>C</mark> ITTIWSKVQVDGGEALGRMLVVYPWTTRFFGS
UniRef90_U5D5B6 UniRef90 H2MRF9	TEEQEAL VVQSWNVMKKNSAEL FLKI FEII APTAKKMFSFLTSEEKNCI TTI WSKVQVDGGEALGRML VVYPWTTRFFGSSEQEAL VVESWKVMKKDAAEFFEKI FEII APSTKRLFSFEEQIQMI KDSWKVIRDDLAKMFVRLFETHPECKDVFFL
UniRef90_V5N4H6	LMEEERVTI TNTWAKVYENGVAVLIRLETSEPSTKQYESE
UniRef90_G6D627 UniRef90_UPI000331684E	E E QI QMI K D S W K V I R D D I A K M F V R L F E T H P E C K D V F F L  L M E E E R V T I T N T W A K V Y E N G V A V L I R L F T S F P S T K Q Y F S E  L S R R D V F A V Q K S W A L V Y A N G S E L L K R Y F R A H P E S K E F F R M  T A E E K A A V A S L W G K V E V A G A E L L G R L L I V Y P W T Q R Y F S N  L T A L E K Q S I L D I W T N L R S V G L E M F T K L F E A H P E Y K L L F T N  L T A L E K Q S I L D I W T N L R S V G L E M F T K L F E A H P E Y K L L F T N  L T A L E K Q S I L D I W T N L R S V G L E M F T K L F E A H P E Y K L L F T N  L T K A E R T M V V S I W G K I S A V G T E A L Q R L F S S Y P Q S L H Y F H E  L T S R D R Y L I K S S W A K P T E S G V A L F L L F F K H H P E Y K L T F P  L T N S E R A I I T T I W D K M S M Q G T E T L E R L F S S Y P Q T K T Y F P H
UniRef90_P02133 UniRef90_Q9NG75	TAEEKAAII TSV WQKIV EHDGHDALLGRLLI VY PWTQRYFSN
UniRef90_Q9NG75	LTALEKQSI LDI WTNLRSVGLEMETKLEEAHPEYKLLETN
UniRef90_P13787 UniRef90_V4ALZ1	L   I K A E K   M V V S   L  W G K   I   S A  V   G   L E A   L   Q R   L   F S S Y P Q T K T Y F P H   L   T D A E K S T     R D S W Q L L   K D N G M A   L   F M T   L   F S S Y P Q S   L   H Y F H F
UniRef90_V5GLC7	LTSRDRYLIKSSWAKPTESGVALFLLFFKHHPEYKLTFP
UniRef90_G5BXY5 UniRef90_D6R731	LTNSERALITTIWDKMSMQGTETLERLESSYPQTKTYFPH SASERSTIANVWGQINIDEIGALARVLIVYPWTQRYFGT TAEERKAITSVWSKVNPEEVEALIRLEIVYPWTQRYFST LTADEKSAVTGLWGKVNVEEVEALGRLLVVYPWTQRFFES LTPEENGHVTSLWGKVNVEKVEALGRLLVVYPWTQRFFES LSDGEWQLVLNAWGKVEADGQAVLISLFTGHPETQQKFEK
UniRef90_UPI0003C16005 UniRef90_P14388	TAEERKAIITSIVWSKIVNPEEVEAL IRLEI VYPWTQRYFST
UniRef90_P02054	LTPEENGHVTSLWGKVNVEKVEALGRLLVVYPWTQRFFES
UniRef90_S7Q7N2 UniRef90_Q533G9	L S D G E WQL V L N A WG K V E A D G Q A V L I S L F T G H P E T Q Q K F E K L T K S D K T I I A A M W S K I A P H G T E A L E R L F T S Y P Q T K T Y F P H
UniRef90_Q2KPA4	MSAEEKG <u>LVTSM</u> WGKV <u>NVD</u> GAEALGRL <u>LVV</u> YPWTQRFFDS
UniRef90_Q63067 UniRef90_Q94FT7	T A E E K A <u>T S</u> L   S <u>I</u>   W E <u>K   V</u> E K <u>L   G</u> G E <u>T L   G</u> R <u>L L I V   Y P W T Q R F F D K</u> T E E Q E A L V L   K S W A I   M K D D S A N     F L   K     F E   V A P S A R H L   F S F
UniRef90_V5YME0	LTSYEASL VHHTWMQIRPAENEI LYSLFKDYPVLQNKFPA
UniRef90_I3S6M0 UniRef90_UPI0003AFE419	I A E E K A <u>A</u> JI <u>II G L</u>  WG K <u> V</u>  N   <u>V</u>  E E A E <u>A L  G</u> R L <u>L V</u> I  Y P W I Q R F F D S
UniRef90_I1HHK1 UniRef90_B3RYV6	S E A Q E E L V L R S W K A M K P D S E S I F L R I F E I A P A A K P M F P F L T E E Q K A I I R E N W Q D V E E N M S E V F S K L F T I A P E Y R E V F P F
UniRef90_UPI0003958CC0	LTEEQKAI I RENWQDVEENMSEVFSKLFTLAPEYREVFPF LTAEDKKLIQQVWGKLSGAGAETLWRMFHAYPPTKTYFPH SEEQEALVLKSWALMKKDSANFFLKIFELAPSAKQMFSF
UniRef90_UPI000350F47E UniRef90_G3IA42	IIIMKSERAII VIMSMWDKMASQGIEIII IERII IE <mark>G</mark> SYPQIKIYEPH
UniRef90_S4RW14	L S G A E K A A I A D S W K A V Y S N Y E E L L I K F F T S N P G V Q D F F P K L T P E E K T V V S A L W G K V N V D A V E A L G R L L V V H P W T Q R F F E S
UniRef90_F7APQ4 UniRef90_UPI00022F58AA	LTPEEKTVVSALWGKVNVDAVEALGRLLVVHPWTQRFFES VKARTALALLAFFVNFPSAKQYFSQ
	<u> </u>

QUERY UniRef90_S6BEI3 UniRef90_P02222	50 60 70 80  FAGKDLESIKGTAPFETHANRIVGFFSKIIGELPNIEADV FAGKDLDSIKGTSGFALHASRIVSFFSQYISLLPAIKTML FAGKDLETLKGTGQFATHAGRIVGFVSEIVANMPAMETLI FNGKDLDSVKGTPDFALHATRIVSFIGELVANAPAVQSTV
UniRef90_V5YME9 UniRef90_S6CDG3 UniRef90_P29243 UniRef90_S6B7U0	F N G K D L D S V K G T P D F A L H A T R I V S F I G E L V A N A P A V Q S T V F A G K E L S A I K G S A D F A L H A T R I V S F I S E V I A T A P A I E T L V F A G K S L D S I K T S G Q F A T H A T R I V S F E S E V I S E L P A I K T L I
UniRef90_P11582 UniRef90_Q25218 UniRef90_S6BNF1 UniRef90_P02223	F V G K D L D A I K G G A E F S T H A G R I V G F L G G V I D D L P N I G K H V F A G K D L E S V K D T A A F A T H A T R I V S F L S E V I A N L A A V N N L V F A G K E L S A V K G S A D F A L H A S R I V S F I S E V I A T L P A I K S I V F A G K D L A S I K D T G A F A T H A G R I V G F I S E L V A N A P A M A T L I F V G K D L D S L K G S A P F A L H A S R I V S L I S Q Y V G L L P A I Q T I F F V G K D L D S L K D T A A F A T H A G R I V G F M S Q I I A L M G H M E T L I
UniRef90_V5YMG1 UniRef90_Q45V70 UniRef90_P02226 UniRef90_Q94442	FVGKDLDSLKGSAPFALHASRIVSLISQYVGLLPALQTIF FVGKDLDSLKDTAAFATHAGRIVGFMSQIIALMGHMETLI FAGKDVASIKDTGAFATHAGRIVGFVSEIIANAPAVQTLV FAGKDVAGLKDTAAFATHAGRIVGFFSEIIGNAPALQTLV
UniRef90_E2C8N8 UniRef90_Q802S6 UniRef90_V5YNF8 UniRef90_A4IGG7	FVGKNLDELKGTAPFAEHAGRI TALVEKYVGYLGHIRDML
UniRef90_M4AD09 UniRef90_W4W9U1 UniRef90_C3Y502 UniRef90_V5QQP3	F K H E D T E E L E H S P Q L R K H A Q R V M N A L N T L V E N I D D S E S V L F K D V P L D E L P K N K R F Q A H C I N I V T T L G K V I E Q M H D M E A S L F R N I P D D Q L R S T P R F R A H V T R V M A S I S T V V N S L D D Q E V L L L R D S S D D P L E K N P K L K A H A L T V F S M T C E S A V N L R K A E S N L
UniRef90_Q9U1K3 UniRef90_V5YMJ3 UniRef90_V5YLS0 UniRef90_Q97382	F Q D E D P E E M E K S S Q L R K H A R R V M N A I N T V V E N L H D P E S V L F K H E D T E E L E H S P Q L R K H A Q R V M N A L N T L V E N I D D S E S V L F K D V P L D E L P K N K R F Q A H C I N I V T T L G K V I E Q M H D M E A S L F R N I P D D Q L R S T P R F R A H V T R V M A S L S T V V N S L D D Q E V L L R D S S D D P L E K N P K L K A H A L T V F S M T C E S A V N N L R K A E S N L F R D V P L E E L S G N A R F R A H A G R I I R V F D E S I G D L E K L D E I W F A S Q D L E A I K N S E A F T S H A K R I F G Q L S S I F D Q I G E I K A S L F R N T P L I M L K G T P G F R S H A S K I M G L F G A A V D A L G Q Q N G L F F E Q Y S V E E L P S T D A F H Y H I S L V M N R F S S I G K V I D D N V S L L F E Q Y S V E E L P S T D A F H Y H I S L V M N R F S S I G K V I D D N V S L L F K H E D P L E M E G S V Q L R K H A R R V M G A V N S V V E N L G D P E T V L F K D V P F D E L P K N K R F Q A H S A N V V S A L S S V I H Q I H D M E A T L F K D E P E M G S I Q L R K H A H R V M T T I N T L V E N L D D A D A M L F G N L 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 I D D V K H Y L F G N L S P T A I L G N P M V R A H G K K V L T A S F G D A V K N L D N I K N T F F K H E D P L E M E R T P Q L R K H A R R V M G A V N T V V E N I N D S E S V L
UniRef90_O97382 UniRef90_O97382 UniRef90_Q6DEW1 UniRef90_A0A026WVZ6	FEQYSVEELPSTDAFHYHISLVMNRFSSIGKVIDDNVSLLFEQYSVEELPSTDAFHYHISLVMNRFSSIGKVIDDNVSLLFKHEDPLEMEGSVQLRKHARRVMGAVNSVVENLGDPETVLFKDVPFDELPKNKRFQAHSANVVSALSSVIHQIHDMEATLFKDEPEEMQRSIQLRKHAHRVMTTINTLVENLDDADAML
UniRef90_H2U139 UniRef90_B6SEZ2 UniRef90_P02112 UniRef90_K7F490 UniRef90_F6TTF3	F G N L N V T A II S G N A K V K A H G K K V L T S F G D A V K N L D D V K H Y L F G N L S P T A I L G N P M V R A H G K K V L T S F G D A V K N L D N L K N T F F K H E D P L E M E R T P Q L R K H A R R V M G A V N T V V E N I N D S E S V L F G S L S P S A I M G N P K V K A H G V K V L T S L G E A I K N L D D L K G T F
UniRef90_P02127 UniRef90_UPI000332F66D UniRef90_M7B321 UniRef90_B6ZIV9	F G N L S P T A I TG N P K V R A H G K K V L S S F G E A V K N L D N I K N T Y F G N L S P C A I 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 H L K E A F D L S Q G S A Q L H D H G S K V L G A I G E A V K N I D N L T G A L I R K L P D E E Y I Q N P Q F R A H V I N L M T S L N L A V N N L N Q P E A M M
UniRef90_O04985 UniRef90_O02004 UniRef90_P08849 UniRef90_UPl0001CBA21D	LRNSDV PLEKNPKLKTHAMSVFVMTCEAAAQLRKADTTL FANVAVDSLAGNAEYEKQIALVADRLDTMISAMDDKLQLL FDUSPGSDOVRSHGKKVVNALGNAVKSMDNISQAI
UniRef90_097381 UniRef90_097381 UniRef90_E9FXJ8 UniRef90_H3B4U9	L D G V S L A A I E K T P A L A D H G V K V M D T V N S W V G S L G D A P A L V L V E Y E V T G L E G S P E L N T H A R N V M A Q L D T L V G S L Q N L G K S L V E Y E V T G L E G S P E L N T H A R N V M A Q L D T L V G S L Q N L G K S L V E Y E V T G L E S P E L N T H A R N V M A Q L D T L V G S L Q N L G K S L F A D V P Q S E L L S N G N F L A Q A Y T I L A G L N V V I Q S L E L L A N Q L F R H E D P L D M E R S V Q L R K H A R R V M G A I N T V V E N V D K I A S V L F K N I S M E E M Q K N E Q L R I H G L R V M N S L N Q V I Q N I D N L N S I L
UniRef90_H3B2L7 UniRef90_E9FXJ7 UniRef90_P02231 UniRef90_U4UEU2	F K N I S M E E M Q K N E Q I R I H G L R V M N S L N Q V I Q N I D N L N S I L F A N V A V D A L A G N A D Y E K Q V A L V A D R L D S M I A A L D D K L Q I L L L G N D L A A A K G T A E F K D Q A D K I L A F L Q G V I E K L G S A K A L L F K N L R R E E L K T S N K F R A H C I S V M Y A L T C I V E N V S L L E Q L L
UniRef90_T1JI21 UniRef90_P02088 UniRef90_Q95NK8 UniRef90_G5BS33	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 L S T V V D N L E C L T E L L F G D L S A S A I M G N A K V K A H G K K V I T A F N D G L N H L D S L K G T F F A S V P Q D E L L G N G N F L A Q A Y T I L A G L N V V I Q S L G S L A N Q L F G D L S P S A I M G N P K V K A H G A K V L S S F S E A L N H L D N L K G T F
UniRef90_UPI0003955C04 UniRef90_P86391 UniRef90_V5QR23 UniRef90_P02109 UniRef90_U5D5B6	F G N L S P T A I L G N P K V R A H G K K V L T S F G E A I K N L D N L K G T Y F G N L S P T A I C G N P K V K A H G K K V L T A F G D A I R N L D N L K D T F V R D S D V P L E Q N Q K L K G H A M S V F V M T C K S A A Q L R K A E S S L F G D L S P G A V M S N S K V Q A H G A K V L T S F G E A V K H L D N L K G T Y L R D S D V P L Q Q N P K L R S H A L S V F A M T C E C A V Q L R K S E S N L
UniRef90_H2MRF9 UniRef90_V5N4H6 UniRef90_G6D627 UniRef90_UPl000331684E	FRDVDLERLRTNRELRAHGLRVMSFIEKSVARLDQLEALAFRHEDTQEMQSSAQLQKHAVLVMKALNALVESVDDGESVVLRKLNENEFDDNHQFKAHVMSLMSSLNLAITNLDQPEAMMFGNLSVSAIMGNPKVKAHGKKVMTSFGEAVKHMDDLKDAF
UniRef90_P02133 UniRef90_Q9NG75 UniRef90_Q9NG75 UniRef90_P13787	F G N L S N S A V A G N A K V Q A H G K K V L S A V G N A I S H D S V K S S L R F G N V D N I A E N A P F R A H L H R V L S A F D I V I Y N L D N N A L L L R F G N V D N I A E N A P F R A H L H R V L S A F D I V I Y N L D N N A L L L F D I H F G S P Q I R A H G S K V A A A V G D A V K S I D N V A G A I
UniRef90_V4ALZ1 UniRef90_V5GLC7 UniRef90_G5BXY5 UniRef90_D6R731	F D G K S D E E L Q G M S D M R A H A T A V M Y A M D S L V D N L T D P H C M L F R D L S D E D L P T N K R F H A H A N S V I Y A F S S V V D A I D D P D T I L F D L H P G S P Q L R A H G S K V M A A L G D A V K N I D N V E V A L F G N L S A A A I Q G N P K V A Q H G K T V L N A L G K A V Q N M D D I K G T Y
UniRef90_UPl0003C16005 UniRef90_P14388 UniRef90_P02054 UniRef90_S7Q7N2	R F G N V D N I A E N A P F R A H L H R V L S A F D I V I Y N L D N N A L L L R F G N V D N I A E N A P F R A H L H R V L S A F D I V I Y N L D N N A L L L F D L H E G S P Q L R A H G S K V L A A A V G D A V K S I D N V A G A L F D G K S I E E L Q G M S D M R A H A T A V M Y A M D S L V D N L T D P H C M L F R D I S D E D L P T N K R F H A H A N S V I Y A F S S V V D A I D D P D T I L F D L H P G S P Q L R A H G S K V M A A L G D A V K N I D N V E V A L F G N L S A A A I Q G N P K V A Q H G K T V L N A L G K A V Q N M D D I K G T Y F G S L S S S T I A R N F K V Q Q H A A K K V L N A F S D G L K N L D N L K G T F F G D L S P D A I M G N P K V K A H G K K V L S A F S E G L H H L D N L K G T F L K N K S E D E M K A S E D L K K Q G A T V L T A L G G V L K K K G Q H E A E L F D L H D S A Q L H A H G A K V V N A L G D A V K N I D N I H S A L F G D L S P A A I M G N P K V K A H G K K V L V S L G L A V E N M D N L K E T F G D L S P A A I M G N P K V K A H G K K V L V S L G L A V E N M D N L K E T F
UniRef90_Q533G9 UniRef90_Q2KPA4 UniRef90_Q63067 UniRef90_Q94FT7	F DLHHDSAQLHAHGAKVVNALGDAVKNIDNIHSAL FGDLSPAAIMGNPKVKAHGKKVAHSISDGIKNLDNLKGTY FGNLSSAAIMGNPQIRAHGKKVLVSLGLAVENMDNLKETF LRNSDV PLEKNPNLKKHAMAVFVMTCEAAAQLRKTDTTI
UniRef90_V5YME0 UniRef90_I3S6M0 UniRef90_UPI0003AFE419 UniRef90_I1HHK1	F G N L S S A A I M G N P K V K A H G K K V L V S L G L A V E N M D N L K E T F L R N S D V P L E K N P N L K K H A M A V F V M T C E A A A Q L R K T D T T I L A Y Q D L D A I K N T P T F H A H S A P I F A K L D Q L F G N E A T M T A V L L K D S N V P L E H N P K L K P H A M S V F L M T C E S A V Q L R K A E S N L F G N L S A S A I M G N P K A K A H G K E V L T S S R E A I K N L N N L K D A F L R E A G G D D L E T H P K L K A H A W T V F V M A C E S A T Q L R K T E A S L E T 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 L Q S A L F D M S Q G S D Q I R G H G K K V V I A L T N A I K N I D S L S Q A M L R D S D V P L E K N P K L K T H A M S T C E A A A Q L A G K V T V R E T T L E S C A T Q L R K T S C L A A V G F A V K N P K L K T H A M S T C E A A A Q L A G K V T V R E T T L E S C C L R A A G S K L L A A V G F A V K N D N I S C A I L S C C L R A A G S K L L A A V G F A V K N D N I S C A I L S C C L R A A G S K L L A A V G F A V K N D N I S C A I L S C C L R A A G S K L L A A V G F A V K N D N I S C A I L S C C L R A A G S K L L A A V G F A V K N D N I S C A I L S C C L R A G S K L L A A V G F A V K N D N I S C A I L S C C L R A C S C L L A A V G F A V K N D N I S C A I L S C C L R A C S C L L A A V G F A V K N D N I S C A I L S C C L R A C S C L L A A V G F A V K N D N I S C A I L S C C L R A C S C L L A A V G F A V K N D N I S C A I L S C C L R A C S C L L A A V G F A V K N D N I S C A I L S C C L R A C L S C C L R A C L A C L S C C L R A C L A C L S C C L R A C L S C C L R A C L S C C L R A C L S C C L R A C L S C C L R A C L S C C L R A C L S C C L R A C L S C C L R A C L S C C L R A C L S C C L R A C L S C C L R C C C C C C C C C C C C C C C C
UniRef90_B3RYV6 UniRef90_UPl0003958CC0 UniRef90_UPl000350F47E UniRef90_G3IA42 UniRef90_S4PW14	F D D D D D S C S D D R S C S D D C S C S D D C S C S D D C S C S
UniRef90_S4RW14 UniRef90_F7APQ4 UniRef90_UPI00022F58AA	F DLHHGSQQLRAHGSKILAAVGEAVKNIDNLSCALFKGLDADQLSKSAAVRWHAERIINAVNDAVVALDDPEKLLFGDLSSPAAMGNPKVKAHGKKVLGAFSDGLAHLDNLKGTFFKHEDPLEMERSPQLRKHACRVMGALNTVVENLDKVSSVL

	90 100 110 12	0
QUERY UniRef90_S6BEI3	NTFVASHKPRGVTHDQLNNFRAGFVSYMKAHTDFAGAEAA NQMGQNHKNRGVPKQQFNEFETAVMSYMKAHVSGPNVEKA	•
UniRef90_P02222	K D M A A N H K A R G I P K A Q F N E F R A S L V S Y L Q S K V S W N D S L A A E A F A V R H H N R G V T K D Q F N E F R T A F F S Y I S S H S T W G D A A A A T E L A N N H K N R G V T K D Q F N E F R T A L T N Y V S S N A P W G D V A S A	
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UniRef90_P11582	1) A	
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UniRef90_P02223	NELSTSHHNRGITKGQFNEFRSSLVSYLSSHASWNDATAA SQMGQTHYNRGVSQQQFTEFRTA <u>FF</u> NY <u>M</u> KGHVSFDA <u>A</u> TEA	
UniRef90_V5YMG1 UniRef90_Q45V70	N F M A A S H K A R K I P Q A Q F N F F R A S I V S Y I Q S H V T W N D I G A A	
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UniRef90_E2C8N8 UniRef90_Q802S6	TNL A E R H K N R G Q T R E H F Q N L R Y V L E D L I P S V F G T Q E V Q E A K L V G K A H A R H N V E P V Y F K L L C G V L L E V L V A D F P T P E V A V A	
UniRef90_V5YNF8	NEMGKKHAVRGVTREQFQAFRKSALTYIKGHVEWSELGAA	
UniRef90_A4IGG7 UniRef90_M4AD09	V	
UniRef90_W4W9U1 UniRef90_C3Y502	NEMGKKHAVRGVTREQFQAFRKSALTYIKGHVEWSELGAAVLVGKAHAKYKVEPVYFKILSGVILEILAEEFGTPEVQTSKLVGKAHAKHKVDPVYFKILSGVIVEVLGEEYPTPEVGAAINFTEKHKVRGQTPEQFENLKQVILGAFPSLFGTSEVQEAKDIGKKHYPARVPTEYFDVIAGAILCMLQRCLGTAEVDSA	
UniRef90_V5QQP3	KDLGTTHEKYGVADEHFEVVRFALLETIKEAVPSAEMKEA	
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UniRef90_V5YLS0 UniRef90_O97382	NEMGKNHRRRGIPKRAFIEIRAFIVQTVSEL <mark>C</mark> KLDDEKAA KKLGREHIKRGLSRKQFDQFVELYIAEISSELSDTG RNG	
UniRef90_O97382	KKLGREHI KRGLSRKQFDQFVELYI AEI SSELSDTG RNG KKLGREHI KRGLSRKQFDQFVELYI AEI SSELSDTG RNG	
UniRef90_Q6DEW1	SIVGKSHAKHKVDPVYFKILTGVMLEVIAEEYAKDDVQLA	
UniRef90_A0A026WVZ6 UniRef90 H2U139	L S L ADRHKARGQTEEQFQNL KK V MAN L FPS VL GTPE V QEA KS V GRAHARHK V DPKYFK  L SG V L E VL GEAFTTAE V ASA	
UniRef90_B6SEZ2 UniRef90_P02112	KSVGRAHARHKVDPKYFKLLSGVILEVLGEAFTTAEVASAKDLSRSHADLHVDPENFKRLGEVLVIVLASKLGTPQVQAASQLSELHCDKHVDPENFRLLGDILIIVLAAHFSKDECQAA	
UniRef90_K7F490	AII VIGKAHAKHKIVIE PIVIY EKEET GIVIMII IEIVT IAEEYAND EIVIORA	
UniRef90_F6TTF3 UniRef90_P02127	GQLSELHCOKHVDPENFRLLGNVLVTVLAFLYGTPEVQAS AKLSELHCKLHVDPENFRLLGNILIIVLAAHFTKDFTQAV AKLSELHCOKHVDPENFRLLGNILIIVLAAHFTKDFTQAV	
UniRef90_UPI000332F66D UniRef90_M7B321	A K L S E L H C D K H V D P E N F R L L G N V L V L V L A M H F G T P E V Q G A A T L S E L H A Y L R V D P V N F K L L S H C I L C S V A A H F P T P E V H A A	
UniRef90_B6ZIV9	N K   L   G E S H K R R Q   I   K E R H F G D   L   K Q   V I V   T M F   I   E   V L   H   L   D D T   L   T A	
UniRef90_O04985 UniRef90_O02004	K R L G A T H F K Y G V G D A H F E V T R F A L L E T I K E A V P V D A M K S A G N M R Y T H T E R G I P R A P WE D F S R L L L D V L G S K G V S T D D L D S S E L S N L H A 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 T P E V H S A	
UniRef90_P08849 UniRef90_UPI0001CBA21D	KOLIGTSHII ALI KIVITPANEDAMGPIVI I IWTII IOEKAGTPAAKDA	
UniRef90_O97381	N QL GKDHVPRKVNKVHFDDFAEHFVPLMKANLGTPLAESA	
UniRef90_O97381 UniRef90_E9FXJ8	N Q L G K D H V P R K V N K V H F D D F A E H F V P L M K A N L G T P L A E S A N Q L G K D H V P R K V N K V H F D D F A E H F V P L M K A N L G T P L A E S A N A L G G A H Q P R G V T P A M F E E F G V I V E Q V L E E E L G N A E A R D A A P V G K A H A K H K V E P V Y F K I L S G V I L E I L A E E Y A T P E V Q K A	
UniRef90_H3B4U9 UniRef90 H3B2L7	I HILIAK KHQYH KIVIDIVIH N F KILI I F GIVI I IKII LIKE AILIGA I F I E E S	
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UniRef90_U4UEU2	NQLGTSHKAMGITKDQFDQFRQALTELLG NLGFGGNIGA IKQSTSHVLRNVPDQAYWDIKTVILSIVASSMNPSEV FV STIGRNHLKRKITPVQFDQVGLTFIKFLENKLGTPFCRNA	
UniRef90_T1JI21 UniRef90_P02088	A SILIS EILIH C D K HIVID P E N F RIL LIG N MII V I V LIG H HILIG K D F I P A A	
UniRef90_Q95NK8 UniRef90_G5BS33	NÁL GGAHFSRGAT PVMFDEFGA FAMDVLÁ E EL GNA E A KA A A KL SELH <mark>C</mark> DKHVDPENFRLLGDVIVIV LA QHHGTPTVQA A	
UniRef90_UPI0003955C04	S K   L   S E   L   H C D K H   V   D P E N F R   L L   G D   I L V I V L   A S H   L   G R D F T Q G A	
UniRef90_P86391 UniRef90_V5QR23	ÁKLSELH <mark>C</mark> DKHVDPENFKLLGKVLLIVLAGHYGKDA <mark>C</mark> HÁA KHMGSVHLKYGVVDEHFEVTRF <u>A</u> LL <u>E</u> TIKEAVPSPE <u>M</u> K <u>N</u> A	
UniRef90_P02109 UniRef90_U5D5B6	AKLSELH <mark>C</mark> DKHVDPENFKMLGNLIVI <mark>C</mark> LAEHFGKDE <mark>C</mark> QVA KDLGFTHFKYGIVDEHFDVGKFALLETIKEAIPTVEMKDA	
UniRef90_H2MRF9 UniRef90_V5N4H6	KDLGFTHFKYGIVDEHFDVGKFALLETIKEAIPTVEMKDA VELGKSHYHYNAPPKYYNEFICAVQPILKEQWTT ELEKA EKVAKSHAKHKVEPVNFKILAGVILEVLVEVFPESEAQRA NKLGESHGRRKIDEQNFHNLKGLIVKMFIDVLKLDDNLAS	
UniRef90_G6D627	NKLGESHGRRKI DEQNEHNLKGLI VKMFI DVLKLDDNLAS	
UniRef90_UPI000331684E UniRef90_P02133	A K L S E L H C D K H V D P E N F V L L G N M I L I V L A T H F G T P Q M Q A S Q Q L S K I H A T L F V D P E N F K R F G G V L V I V L G A K L G T P K V Q A A	
UniRef90_Q9NG75 UniRef90_Q9NG75	R D L G V F H T R L G M T R A H F D N F A T A F F S V A E A I V P N Q L T R E S R D L G V F H T R L G M T R A H F D N F A T A F F S V A E A I V P N Q L T R E S	
UniRef90_P13787	AKLSELHODKHVDPENFVLLGNMILIVLATHFGTPQMQASQQLSKIHATLFVDPENFVLLGNMILIVLATHFGTPQMQASQQLSKIHATLFVDPENFKRFGGVLVIVLGAKLGTPKVQAARDLGVFHTRLGMTRAHFDNFATAFFSVAEAIVPNQLTRESRDLGVFHTRLGMTRAHFDNFATAFFSVAEAIVPNQLTRESAKLSELHAYLRVDPVNFKFLSHCLLVTLASRLPTADAHAAKKISRNHKARNIGKKDFEELRALFGGYLDKQLGTSGLKAA	
UniRef90_V4ALZ1 UniRef90_V5GLC7	SRVGESHGPRKI TEKSEEDI KDTI LELESSI ETKEEME A	
UniRef90_G5BXY5 UniRef90_D6R731	I KILIS EIL HAYIL RIVID PIVNE KIVLI I PI <mark>CE</mark> RIV VILAS HILIK GEEMILIAA S QILIS QILH <mark>C</mark> KILINVID PID NE RILI A D <mark>CI</mark> LITIL VILA TIKE GNE AVIQA T	
UniRef90_UPI0003C16005 UniRef90_P14388	S DIL IS KIL H Q K L H V ID P E N F KIL L G K T IL I I T IL IS E K L G S P Q II Q A A A K I I S E I H C D K H V ID P E N F R I I I G N V I MIL V I A R H F G K P P V Q A A	
UniRef90_P02054	A QL S ELHCALH V D PENFKLLGNVLVI A HHFGNDQTQAA	
UniRef90_S7Q7N2 UniRef90_Q533G9	SKI SFI HAYI RVD PVN FKI I SHTFI VII AAH FPTAFAHAA	
UniRef90_Q2KPA4 UniRef90_Q63067		
UniRef90_Q94FT7 UniRef90_V5YME0	KRLGSTHFKNGVSDTHFEVARFALLETIKDGIPSPEMKNA AELAHKHNSRGATKQDFQNYFRGLTKYASTHTYWDDVASA	
UniRef90_I3S6M0	KKLGA <u>THF</u> KTGVKDEHFEV <u>T</u> KQ <u>A</u> L <u>LETI</u> KEA <u>L</u> PSPAMENA	
UniRef90_UPI0003AFE419 UniRef90_I1HHK1	A K L   S E <u>L   H C</u> D K H M D P E N F R L L   G D V I V L   A T H S G T P D M H A A R R L   G A T H V K A G V   A D A H F E <u>V</u> V K T A L L E T I   E G A V P T P E <u>M</u> K G A	
UniRef90_B3RYV6 UniRef90_UPI0003958CC0	STL G Q F H H R K A I K F E N F Q A V G Q A L I Q T L S D K L Q T P E V H E A S E L S N L H A N L R V D P V N F K F L A Q C L Q V V L A T R L G K D E V H S A	
UniRef90_UPI000350F47E	K R L G A T H F K Y G V A D G H F E V T G Y A L L E T L K E A L P A D E M K N A	
UniRef90_G3IA42 UniRef90_S4RW14	SELSNIHANIRVDPVNFKFLAQCLQVVLATRIGKDEVHSAKRLGATHFKYGVADGHFEVTGYALLETIKEALPADEMKNATKLSELHAYLRVDPVNFKLLSHCLLVTLAARFPTAEVHEAKALSKKHAQFNVDPQYFKVLAVNIVEGVSSANGGAEAQAASQLSELHCDKHVDPGNFRLLGNVLVCMLAHNFDK	
UniRef90_F7APQ4 UniRef90_UPI00022F58AA	SQLSELHCOKHVDPGNFRLLGNVLVCMLAHNFDK ALVGKAHAKHKVEPVYFKILSGVILEVIAEEFANDETQKA	
OHINGIBU_UFIUUUZZF36AA	ALVOKANAKIKVIE FUTEKI LOUVI LEVIAEE FANDE I QKA	

QUERY UniRef90_S6BEI3 UniRef90_P02222 UniRef90_V5YME9 UniRef90_S6CDG3 UniRef90_P29243 UniRef90_S6BTU0 UniRef90_P11582 UniRef90_Q25218 UniRef90_Q25218 UniRef90_P02223 UniRef90_V5YMG1 UniRef90_P02223 UniRef90_V5YMG1 UniRef90_P02226 UniRef90_Q45V70 UniRef90_Q45V70 UniRef90_Q4442 UniRef90_Q2506 UniRef90_Q802S6 UniRef90_Q802S6 UniRef90_W5YNF8 UniRef90_A4IGG7 UniRef90_M4AD09 UniRef90_W4W9U1 UniRef90_W4W9U1 UniRef90_W4W9U1 UniRef90_W4W9U1 UniRef90_W5YQQP3 UniRef90_V5YQQP3 UniRef90_V5YMJ3 UniRef90_Q97382 UniRef90_Q97382 UniRef90_O97382 UniRef90_O97382 UniRef90_O97382 UniRef90_O97382 UniRef90_O97382 UniRef90_O97382 UniRef90_O97382 UniRef90_D97382 UniRef90_O97382 UniRef90_O97382 UniRef90_O97382 UniRef90_D97382 UniRef90_D97382 UniRef90_D97382 UniRef90_D04985 UniRef90_P02127 UniRef90_D04985 UniRef90_O04985 UniRef90_O04985 UniRef90_O04985 UniRef90_O049849 UniRef90_O07381	130 W G A T <u>L</u> D T F F G <u>M</u>	IFSKM
UniRef90_S6BEI3	WGDAFDKMYAV	LFSNL
UniRef90_V5YME9	WNQAIDNIYG	AFTKL
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UniRef90_S6B7U0	WDDAFDKMYFV	VFSAL
UniRef90_P11582	W G A T F D A F F G A	VFAKM
UniRef90_S6BNF1	WNHALDNVYAL	FAAL
UniRef90_P02223	WTHGLDNLFGM WNDAEDOMEGY	I F A H L
UniRef90_Q45V70	WT QGLDNAFTM	FAKL
UniRef90_P02226 UniRef90_Q94442	WT A GIL ID NII IF GIL WN O A I ID NII IF FIV	LFAAL
UniRef90_E2C8N8	WKKMFDYLFLI	L C Q A [
UniRef90_Q802S6 UniRef90_V5YNF8	WIKLLDALYW <mark>H</mark> WKLAFDKMYEV	JV K V F S N L
UniRef90_A4IGG7	WSKLMAALYWH	ITGA
UniRef90_W4W9U1	WKK <u>TL</u> DLIFSR	L X A Y Q
UniRef90_C3Y502	WT KLY GSL	□k O E M
UniRef90_Q9U1K3	WAKLVDHVYAL	I F K A I
UniRef90_V5YMJ3 UniRef90_V5YLS0	WNKTFDGIFEI WNDIIDTVYHI	I F S K L
UniRef90_O97382	LEKVLTFATGV	I E Q G L
UniRef90_097382 UniRef90_097382	L	I E Q G L
UniRef90_Q6DEW1	WNKLRSHLYSH	VLSA
UniRef90_H2U139	WTKLLA <u>NMC</u> CA	VAA
UniRef90_B6SEZ2	WEKFINVLVAA WOKI VRVVAHA	L A
UniRef90_K7F490	WTKLKSLIYTH	V T A
UniRef90_F611F3 UniRef90_P02127	WQKM WQKLVSVVAHA	LA
UniRef90_UPI000332F66D	WQKLVSAVA	— Птекм
UniRef90_B6ZIV9	WDKFLSKIII SW WDKTVTF <u>WY</u> K <mark>H</mark>	
UniRef90_004985	WSEAYNQLVAA WKGVLAVEVNG	IKQEM
UniRef90_P08849	FDKFLSAVAAV	Ľ A E K
UniRef90_UPI0001CBA21D UniRef90_O97381	WAKGWDLMKSH WKKAFNVMVAT	I VKAL
UniRef90_UPI0001CBA21D UniRef90_O97381 UniRef90_E9FXJ8 UniRef90_H3B4U9 UniRef90_H3B2L7 UniRef90_E9FXJ7 UniRef90_P02231 UniRef90_U4UEU2 UniRef90_T1JI21 UniRef90_P02088	WKKAFNVMVAT	I VSKTI
UniRef90_H3B4U9	WT KLMSLLCCH	V TA
UniRef90_H3B2L/  UniRef90_E9FXJ7	WQKMILSFIYDY WRGVLGVFLNG	I A P K
UniRef90_P02231	WNATVDLMF <mark>H</mark> V	IFNAL
UniRef90_T1JI21	WEVTEKVMNSL	Ĭ VÃ GL
UniRef90_P02088 UniRef90_Q95NK8	QAAFQKVVAG WTTAVRGLNAG	
UniRef90_G5BS33	FQK VV A <u>G</u>  V AHA	L
UniRef90_UPI0003955C04 UniRef90_P86391	W Q K  L V  G  V V  A	
UniRef90_V5QR23 UniRef90_P02109	WAEĀFN <mark>H</mark> LVAA WQKLVAGVA <mark>H</mark> A	IKAEM
UniRef90_U5D5B6	WAEAYTQLAFA	LKEEM
UniRef90_H2MRF9 UniRef90_V5N4H6	WQTLFQFVTAL WSKLMDVLYW <mark>H</mark>	M K Q V T
UniRef90 G6D627	WGKAVDFLYK <mark>H</mark>	I FVTL
UniRef90_UPI000331684E UniRef90_P02133	WQKLTSAVASA WEKFIAVLVDG	L
UniRef90_Q9NG75 UniRef90_Q9NG75	M N K G F K L M I S V M N K G <u>F</u> K L M I S V	
UniRef90_P13787	WDK FILISII VIS SIV	LITEK
UniRef90_V4ALZ1 UniRef90_V5GLC7	W	IAKS
UniRef90_G5BXY5	W <u>L.</u> QLLS <u>N</u> VV <u>IV</u>	VT
UniRef90_D6R731 UniRef90_UPI0003C16005	WEKFMA LVI D	
UniRef90_P14388 UniRef90_P02054	F Q K F Q K V V T G V A N A	ΠΑ
UniRef90_S7Q7N2	M K K A  L  E  L   <u>F</u> R N <u>D</u>	MAAK
UniRef90_Q533G9 UniRef90_Q2KPA4	WDKFLSIVASI RT <u>AF</u> QK <u>MVL</u> E	V A A A L
UniRef90_Q63067	WQKIL VIA GIVIA T A	L
UniRef90_Q94FT7 UniRef90_V5YME0	WGEAYEHLVAA WSKALDN <u>M</u> YAV	L VIA YIL
UniRef90_I3S6M0 UniRef90_UPI0003AFE419	WGEA <mark>H</mark> DQLANA WQKLLSGVATA	IKAEM
UniRef90_I1HHK1	WEEAYDQ L AAA	LKDEM
UniRef90_B3RYV6 UniRef90_UPI0003958CC0	W	LAEK
UniRef90_UPI000350F47E	WSEAYNQLVAA	IKQEM
UniRef90_G3IA42 UniRef90_S4RW14	WDKFMT[LSS] WEKFLSQVS[L	
UniRef90_F7APQ4		
UniRef90_UPI00022F58AA	WAKLKGLIYSH	IV II A A

UniRef90_S8CU33 UniRef90_S6BEL0 UniRef90_P01941 UniRef90_P01957 UniRef90_D5L2Y3 UniRef90_K7F9V7 UniRef90_M3YFH4 UniRef90_P10781 UniRef90_E5RWQ0 UniRef90_Q3C1F3 UniRef90_Q3C1F3 UniRef90_Q4RLN3 UniRef90_A7S5B8 UniRef90_A7S5B8 UniRef90_F6TGD7 UniRef90_P18987 UniRef90_P6UQT5 UniRef90_P41331 UniRef90_P41331 UniRef90_B5FX70 UniRef90_W4YI83	1
UniRef90_B5FX70	TKQHFSSC
UniRef90_B2BF38 UniRef90_G3MZ21 UniRef90_G0MZ21 UniRef90_G5CUP5 UniRef90_M1T4W5 UniRef90_P63105 UniRef90_P4610 UniRef90_P7WR6 UniRef90_Q701N9 UniRef90_Q701N9 UniRef90_W5MYS7 UniRef90_W5MYS7 UniRef90_J3RZP8 UniRef90_J3RZP8 UniRef90_G3RYX7 UniRef90_G3RYX7 UniRef90_S5RDN2 UniRef90_P02086 UniRef90_J9P710 UniRef90_UF100002740913	L T A D E L E R V Q N S W K V V M E N A E E N G M F I E K T F H N Y F P Y F K A S D A E R A A I T S W W E K I D V N E I G A L T R L L I V Y P W T Q R F F E S S D A E R A A I T S W W E K I D V N E I G A L T R L L I V Y P W T Q R H F A T D T V L A S W G K V E S N G G E V L T R L F T E H P D T Q Q L F P K E S K D K T N V K T A F G K I G G H G A E A L E R M F L G F P T T K T Y F P H T A A E R R H V E A V W S K I D I D G P L A L Q R C L I V Y P W T Q R Y F G S E L T E A Q R G A I V N L W G H L S P D E I G A L A R L L I V Y P W T Q R Y F A S D M V L K F W G P V E A D Y S A V L T R L F T E N P E T Q Q L F P K L S A A D K T H V K A F W G K V G G H A A E F L E R M F A S F P P T K T Y F S H L T A K D K E M I R D S W E R L G K N G T I M F T R L F E L D P E L L G L F H Y S D S E R T L I N G I F S Q L D Y D G P K A F S R C L I V Y P W T Q R Y F F S S T A E E K S T V N A I W S K V D A I G A E S L A Q L L I V Y P W T Q R F F E S L S P A D K A N V K A A W G K V G G H G A E A L E R M F L I F P T P K T Y F P H L T K A E R T I I L S M W G K I S T Q G T E T L E R L F A S F P Q T K T Y F P H L T K T E R A I I V S M W G K I S T Q G T E T L E R L F A S F P Q T K T Y F P H L T K T E R A I I V S M W G K I S T Q G T E T L E R L F A S F P Q T K T Y F P H

UniRef90_S8CU33 UniRef90_S6BEL0 UniRef90_P01941	50 60 70 80  LRESTV PVEENPKLKLHAKSVFLMTCEAAVQLRKTDSTL FAGKDLATVKGTPEFADQAKAII NLLNGVMDKLGSAAAIL F DMSHGSAQIQAHGKKVADALSTAVGHLDDLPTAL F DLTHGSAQVKAHGQKVGAALTKAVGHLDDLPNAL
UniRef90_P01957 UniRef90_D5L2Y3 UniRef90_K7F9V7 UniRef90_M3YFH4 UniRef90_P10781	FRGKTPDQMRGSEDMKKHGVTVLTQLGKILKQKGHHESELFS SPLECLSSPEFLDHIRKVMLVIDAAVENLSSLEEYLFGDLSPDAIMSNGKVKAHGKKVVNSLINGLKNLDNLKGAFFDLHHGSEQIRNHGKKVVTALGNAIQNLDNLRQTL
UniRef90_A6MHQ6 UniRef90_E5RWQ0 UniRef90_Q3C1F3 UniRef90_C1BY71	FKHKSLDEMKSSEEIKKHGTTVLTALGKILKQKGHHDAEL F DLHHDSAQIRTHGKKVLTALGEAVSHIDDIASAL LRDSEV PLDQNPKLKPHAMSVFLMTCESAAQLRKRESNL FGNLSPAAIMGNPNVAKHGRTVMHGLDKAIQNLDDIKNTY
UniRef90_Q4RLN3 UniRef90_A755B8 UniRef90_F6TGD7 UniRef90_P18987 UniRef90_F6UQT5	FRGKTPDQMRGSEDMKKHGVTVLTQLGKLLKQKGHHESEL SPLECLSSPEFLDHIRKVMLVIDAAVENLSSLEEYL FGDLSPDAIMSNGKVKAHGKKVVNSLINGLKNLDNLKGAF FDLHHGSEQIRNHGKKVVTALGNAIQNLDNLRQTL FKHKSLDEMKSSEEIKKHGTTVLTALGKLLKQKGHHDAEL FCDLHHDSAQIRTHGKKVVTALGKLLKQKGHHDAEL FCDLHHDSAQIRTHGKKVVTALGNAIQNLDNLRQTL FKHKSLDEMKSSEEIKKHGTTVLTALGKLLKQKGHHDAEL FCDLHHDSAQIRTHGKKVVTALGESAAQLRKRESNL FGNLSPAAIMGNPNVAKHGRTVMHGLDKAIQNLDDIKNTYFRDVDLERLRSSRELRAHGLRVMSFIEKSVARLDQLEALA FRESTLEELKESRSLQGHTKRVMKVVENAVNSLEDGHALL FROVDLEALRANKDLRAHGLRVMSFIEKSVARLDQLEALA FRESTLEELKESRSLQGHTKRVMKVVENAVNSLEDGHALL FROVDLQALRANKDLRAHGLRVTSFGDAVKNLDNIKDTF
UniRef90_P41331 UniRef90_B5FX70 UniRef90_W4Y183 UniRef90_W4Y183 UniRef90_W4Y183	F DLSPGSNDLKVHGKKVIDALTEAVNNLDDVAGAL FGNMSPTAVLGNPMVRAHGKKVLTSFGEAVRNMDSVKKCF FSITCYNSIVQDPQAQAHGKRALETVGTAVDGLDDLDLIL FSITCYNSIVQDPQAQAHGKRALETVGTAVDGLDDLDLIL
UniRef90_U6PGL3 UniRef90_S6CDF9 UniRef90_W4XLX6 UniRef90_W4XLX6	FRGIQDSSLINATELRRHASVYMCGLTATIHSMDELEVQMFTGKDLKMIKNTVDFTLQATRTASFLNTYINLLPAIKQMLGENLSYSQLVQNPTLRAHGKRVMETIGQTVGSLDDLDPTLGENLSYSQLVQNPTLRAHGKRVMETIGQTVGSLDDLDPTL
UniRef90_W4XLX6 UniRef90_W4XLX6 UniRef90_UPI0001CBA21E UniRef90_Q575S4 UniRef90_UPI00042C01C9	GENLSYSQLVQNPILRAHGKRVMETI GQTVGSLDDLDPIL GENLSYSQLVQNPTLRAHGKRVMETI GQTVGSLDDLDPIL LEGVGIENLKNVPFLRVHASHVLIYLNTMLESLNDLVELL LKNITLEEMQVNPGIRAHGKRVMGALNQVIQNLNDWESAL FGNLSTSAILHNTRVHDHGKKVLNSFGSAVKNMDHIKESF
UniRef90_P06638 UniRef90_F2Q9X0 UniRef90_A0A034WEZ5 UniRef90_F2Q9X5 UniRef90_Q45XI7	F DLSHGSKDLRSHGGKVVKALGNAATHIDDIPHAL MDQVDIDQFEKNLALRAHITRFLHSFDTYVSSLDDLQQLL FKDVPLVDLNKNERFRSHVTKIMKVFDNSVNVLGADEAQI FKDIPRDRLAGNAALRAHIGGKVVQALDDFIKGLDSGHETV
UniRef90_Q90WH9 UniRef90_E9GCI5 UniRef90_I3N5Z8 UniRef90_B9A9D4	FAGIAQGDMAADAGISAHGATVLRKILGELLKAKGSHAAIL FANVPVDSLRGNGDYIQQVALVADRLDTLISAMDDQLQLL LDLSPGSAQVKAHGQKVAAALTLAVDQLDDLPGAL FVGIPQGELASSSAVADHGATVLKKLGELLKAKGNHAALL
UniRef90_P02132 UniRef90_UPI0003AF406C UniRef90_Q17153 UniRef90_P01979 UniRef90_R7URJ5	F R D V D Q A L R A N K D L R A H G L R V L S F V E K S V A R I A R L E E L A F G N L N A A A L C G N A K V K A H G K K V L T S F G D A V K N L D N I K D T F E K N N A A A L C G N A K V K A H G K K V L T S F G D A V K N L D A V C S A L F G N L N A A A L C G N A G I K Y H G K K V L T S F G D A V K N N D D V A G A L F G N M S P G S N D L K V H G K K V L T S F G E A V N N N L D D V A G A L F G N M S P T A V L G N P M V R A H G K K K V L T S F G E A V N N D D D L D L L L L F S I T C Y N S I V Q D P Q A Q A H G K R A L E T V G T A V D G L D D L D L L L L F S I T C Y N S I V Q D P Q A Q A H G K R A L E T V G T A V D G L D D L D L L L L F S I T C Y N S I V Q D P Q A Q A H G K R A L E T V G T A V D G L D D L D L L L L F S I T C Y N S I V Q D P Q A Q A H G K R A L E T V G T A V D G L D D L D L I L L F S I T C Y N S I V Q D P Q A Q A H G K R A L E T V G T A V D G L D D L D L I L L F S I T C Y N S I V Q D P Q A Q A H G K R A L E T V G T A V D G L D D L D D L D L I L L F S I T C Y N S I V Q D P Q A Q A H G K R A L E T V G T A V D G L D D L D D L L L L F S I T C Y N S I V Q D P Q A Q A H G K R V M E T I G Q T V V G S L D D L D D I L D P I L G R G D C S L D D L D C D F I L R A H G K R V M E T I G Q T V G S L D D L D D P I L C G C S L D D L D C D F I L R A H G K R V M E T I G Q T V G S L D D L D D P I L C G E N L S Y S Q L V Q N P T L R A H G K R V M E T I G Q T V G S L D D L D P I L L L K N I T L E E M Q V N P G I R A H G K R V M E T I G Q T V G S L D D L D P I L L L K N I T L E E M Q V N P G I R A H G K R V M E T I G Q T V G S L D D L D P I L L L K N I T L E E M Q V N P G I R A H G K R V M E T I G Q T V G S L D D L D P I L L L K N I T L E E M Q V N P G I R A H G K R V M E T I G Q T V G S L D D L D P I L L L K N I T L E E M Q V N P G I R A H G K R V M E T I G Q T V G S L D D L D P I L L L K N I T L E E M Q V N P G I R A H G K R V M E T I G Q T V G S L D D L D P I L L L K N I T L E E M Q V N P G I R A H G K R V M E T I G Q T V G S L D D L Q Q L L F K V D D L D L P G A L T V D D L D L P G A L T V D D L D L P G A L T V D D L D
UniRef90_P19789 UniRef90_A4ZQH7 UniRef90_UP1000443AAAE UniRef90_UP10003F065FF UniRef90_P02139	RDKTGFFILLIKDILINFKGHASRFMQSIVIGAAIVIDNILIDNILIFTILLI
UniRef90_V9LC91 UniRef90_V4ABF4 UniRef90_P18974 UniRef90_W5MM94 UniRef90_B7QBW9	Y G N L S P A A 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 I K A T Y F R H L Q P Q E M Q H S S Q L R Q H A R R V M G A I N S V V E K L G D P E S V L F R G L T V D E L Q H S A R L R E H G L R V M L T V E K C I A R L D K P E K L L F D L N P G S A Q I K A H G K K V V D A L T Q A V N N L D D I P D A L F G N L N A A A I L G N A K V A H H G K V V L G A L D K A V H D L E H I V A N Y F A A D P L A E L P Q N P R A L A H A L T V A Y A I T S L I D T L D E P E T L V
UniRef90_UPI0002C58F48 UniRef90_W5LAM7 UniRef90_P02006 UniRef90_W5LAT8	F G N L N A A A I M G N P K V V A A H G K K V V A D A L I I A V A H M D D L P G A L I F G N L N A A A I M G N P K V A A H G V V V L H G L D R A V K N M D N I K A T Y
UniRef90_F6RIV9 UniRef90_A6YH87 UniRef90_G3WER9 UniRef90_P09105 UniRef90_G5BXY2	F G N L S A A A I Q G N A K V A H H G K V V M G L E R A I K N M D N I K A A Y F S S P R D C L A S P E F L D H I R K V M L V I D A A V I H L D D L E E Y L I K D S N V P V E Q N P K L K P H A A A V F V L I G E S A T Q L G K A E A I L F D L S G G S R Q V Q A H G K K V A D A L T L A V S H L D D L P A S L L D L S P G S S Q V R A H G Q K V A D A L S L A V E R L D D L P H A L F D L S P G S P Q L Q A H G R K V A D A L N K A V E H L D D M P A A L F A C K P D T S P G S P Q L Q A H G R K V A D A L N K A V E H L D D M P A A L F A C K P D T S P G S P Q L Q A H G R K V A D A L N K A V E H L D D M P A A L S P C K P D T S P G S P Q L Q A H G R K V A D A L N K A V E H L D D M P A A L S P C K P D T S P G S P Q L Q A H G R K V A D A L N K A V E H L D D M P A A L D C K P D T S P G S P Q L Q A H G R K V A D A L N K A V E H L D D M P A A L D C K P D T S P G S P Q L Q A H G R K V A D A L N K A V E H L D D M P A A L D C K P D T S P G S P Q L Q A H G R K V A D A L N K A V E H L D D M P A A L D C K P D T S P G S P Q L Q A H G R K V A D A L N K A V E H L D D M P A A L D C K P D T S P G S P Q L Q A H G R K V A D A L N K A V E H L D D M P A A L D C K P D T S P G S P Q L Q A H G R K V A D A L N K A V E H L D D M P A A L D C K P D T S P G S P Q L Q A H G R K V A D A L N K A V E H L D D M P A A L D C K P T S P C
UniRef90_T1W072 UniRef90_F2Q9X4 UniRef90_B9ENY2 UniRef90_Q575T7 UniRef90_U5KNT1	FAGK DLDTIKSSASFATHAGRIVGFVSEVIGNMPAMETLIMDAVDLDEFEKNVAARAHMVRFMHSFATFMDTLDEPAELLFAGIAAGDLSGNAAVAAHGATVLRKLGELLNARGDHAATLFSKV QDCLSSAEFTEHIRKVMTVIDAAVSSLDCLSSLLFGDLSASSVMGNADVTAHGRNVMNAFSEGLHHLDNHQGTFLDLSPGSSDVRHQGQKIIRALDNALKHLDNIHGVL
UniRef90_Q7LZM6 UniRef90_D8QX12 UniRef90_F7A367 UniRef90_G3IA41	MRDSIVPA EANPHLKSHALVVFIMICEAAILLGEDPILL DETLTLEAMRSNQKMSRHATRI ATSI STYLKLVDQPEELL DVSHGSAQVKAHGAKVADAILAKAASHIDDIPGTI
UniRef90_B2BP38 UniRef90_G3MZ21 UniRef90_E0VN28 UniRef90_G5CUP5 UniRef90_M1T4W5	F G D L S A D A I L G N P K V K A H G K K V L D S F C E G L K Q L D D L K G A F F A N T P L E L E E N Q A F R N H A N N I L Q A L D N V I L N L E D I Q R E L F G N L S N A A I L G N P L V A E H G K T V M G G L D R A V K N M D D L K N V Y F T G L A R G D L A G N A A V A D H G K T V L I K L G E I I K A K G S S D T I
UniRef90_P63105 UniRef90_P84610 UniRef90_A7RWR6 UniRef90_P14521 UniRef90_Q701N9	F G D L S I D A I V G N P K V A A H G V V A L I G L R I A L D H M D E I K S I Y F K H I K I D N I N G S H G H P R R L L M A I D N A V T A L D S F S A Y L F G N I S A A A I M G N P K V A A H G K V V V G A I D K A V K N I N N I K G T Y
UniRef90_P01964 UniRef90_W5MYS7 UniRef90_P0C239 UniRef90_J3RZP8 UniRef90_G3RYX7	F VG I A Q S E L A G N A A V S A H G A T V L K K L G E L L K A K G N H A A I L M D L S H G S A Q V K A H G K K V A D A L T L A V G H L D D L P G A L N T Y S S P Q E C L S S P E F V D H I N K V M L V V D A A V D N L H S L E E Y L F G N L D A E A I M G N A N V A A H G I K V L H G L D R G V K N M D D I M G V Y F G N L N A A A I Q S N A Q V K A H G K K V F I A F G D A V K N P E G V K D T F F G D L S P D 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 L K G T F
UniRef90_S5RDN2 UniRef90_P02086 UniRef90_J9P710 UniRef90_UPl0002740913	F N V N R G S P P V L A H G K N V A Y A L T P A L D H L E Y L P G A L F G D L N A D A I M H N P K V L A H G K K V L S S F G D G L N H L D N L K G T F E L R A G S A H L R A H G A K V V A A L G D A V R S L D D V A G A L F D L H A G S A Q L R A H G S K V V A A L G D A V K N I D N I T G A L

UniRef90 S8CU33	130 WT L A F D R L V A A I Q S E M WN A L F D F L L N V V F T A L L D K F L A N V S T V L T S K L D K F F S N V S T V L T S K MK K A L E L F R H D M A S WT K L Y G A V V K A M F Q K V L A G V A N A L A F D K F L T A V A A V L A E K MR K A L E V F R N D M A S K L D K F L V A V S N V L T S K WA L A H D Q L A S A I I A E M F Q K F L S V V V S A L WK T L F Q Y V T G L M R K WK L L D Y V M A M I I R G L WK G L F A Y I F Q K L T G A V A H A L A WV K G L F S I T Y K Y L E S V D K F L G Q I S K V L A S WQ K L V R V V A H A L A WV A V F Q L I T D T M WV A V F Q L I T D T M WY A V F Q L I T D T M WY A V F Q L I T D T M WS T L Y D I I A E V I
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UniRef90_P01941 UniRef90_P01957	L D K F F S N V S T V L T S K
UniRef90_D5L2Y3	MKKALELFRHDMAS
UniRef90_M3YFH4	FQKVLAGVANALA
UniRef90_P10781	F D K F L T A V A A V L A E K
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UniRef90_Q3C1F3	WALLAHDQLASALIAEM
UniRef90_Q4RLN3	WKTLFQYVTGLMRK
UniRef90_A7S5B8 UniRef90_F6TGD7	WKILLIDYVMAMIIRGL WKGLFAYI <mark>C</mark> TVM
UniRef90_P18987	FQKLTGAVAHALA
UniRef90_P41331	VDKFLGQISKVLAS
UniRef90_B5FX70	WQKLVRVVAHALA WVAVEOLITDIM
UniRef90_W4YI83	WVAVEQLITETM
UniRef90_W4YI83 UniRef90_U6PGL3	WVAVEQLIIIDIM WSTLYDIIAEVI
UniRef90_S6CDF9	WKKES FRUCS WAS AKE
UniRef90_W4XLX6	WKKLSERHGSVMFAKL WKKLSERHGSVMFAKL WKKLSERHGSVMFAKL WKKLSERHGSVMFAKL
UniRef90_W4XLX6	WKKI SERHGSVMFAKIL
UniRef90_UPI0001CBA21E	WEKGWGVMKSVIVGAL
UniRef90_Q575S4 UniRef90_UPI00042C01C9	WEKILIFSILITYN WOKILVISAIVIAHAITT
UniRef90_P06638	WKKLSERHGSVMFAKL WLKGWGVMKSVIVGAL WEKLFSITYN WQKLVSAVAHALT WDKFLAVVSAVLVSK WGTAWGFFVIHLKQGL WHKMLDHVYAILFQKM WDKLWNLFMTV QAAYEKVVAGVANAL GQQALRNVMALVVADM WKGVTTVLVNGIAPK LDKFLSHVTSTLVSK GQQGLRNVMSKVIADL YEHLFDAIADAL
UniRef90_F2Q9X0 UniRef90_A0A034WEZ5	WHKMLDHVYAILFQKM
UniRef90_F2Q9X5	WDKLWNLFMTV
UniRef90_Q45XI7	GQQALRNVMALVVADM
UniRef90_E9GCI5 UniRef90_I3N578	WK GVT TV L VN GILA PK
UniRef90_E9GCI5 UniRef90_I3N5Z8 UniRef90_B9A9D4 UniRef90_P02132	GQQGLRNVMSKVIADL
UniRef90_P02132 UniRef90_UPI0003AF406C	Y E H L F D A L A D A L WK WWKL I DV I C A V L K E H M D K F L S K V A T V L T S K WA D L F R L M S H V M K E G M L D K F L C A V S T V L T A K L D K F L A S V S T V L T S K
UniRef90_Q17153	WWKLIDVI <mark>C</mark> AVLKEH
UniRef90_R7URJ5	WADLFRLMSHVMKEGM
UniRef90_P19789 UniRef90_A4ZQH7	LDKFLASVSTVLTAK
UniRef90_UPI000443AAAE	LDKFLASVSTVLTSK FQK WKLVFDYMMGKMK WQKFLSVVVNALK WSQLMALICVQVLAA WEDFFKLLIYFMKEAM MDKFLTKVAKTLVAH
UniRef90_P02139	WOKFLSVVVNALK
UniRef90_V9LC91 UniRef90_V4ABF4	W S QL M A L T <mark>C V Q V L A A</mark> W E D F F K L L I Y F M K E A M
UniRef90_P18974 UniRef90_W5MM94	M D K F L T K V A K T L V A H F Q K F L D V V I A A L R K
UniRef90_B7QBW9	WQKFFAFVVRV
UniRef90_UPI0002C58F48 UniRef90_W5LAM7	MHASLDKFLSHVISAL FQKFLAVVGAALRK
UniRef90_P02006	Y
UniRef90_W5LAT8 UniRef90_F6RIV9	WQKFLA <u>VV</u> VSAL WTRLYTA <u>M</u> V <mark>H</mark> A <u>M</u>
UniRef90_A6YH87 UniRef90_G3WER9	WGEAFDQLAAAIKAH LDKFLSYVSVVLTSE_
UniRef90_P09105	L  Q A <u>S  L  </u> D K <u>F  L  </u> S <u>H</u>  V I  S A <u>L</u>
UniRef90_G5BXY2 UniRef90_T1W072	LDKLMEAVSR <u>VLI</u> S WTQ
UniRef90_F2Q9X4 UniRef90_B9ENY2	WLTAYTFMST <mark>H</mark> LKE GQEALRQVMGVIIA
UniRef90_Q575T7	WSLLYANVVQSM
UniRef90_U5KNT1 UniRef90_Q7LZM6	WQKVVSGVANALA WDKFL <mark>C</mark> QVNETLAEK
UniRef90_D8QX12 UniRef90_F7A367	WAEAYDAVTKIIKDEM WVKAYGVLRNGIVRGM
UniRef90_G3IA41	<u>D</u> RA <u>LVL</u> A <u>LWKKMS</u> TN
UniRef90_B2BP38 UniRef90_G3MZ21	VQAAFQKFI AVVVSAL
UniRef90_E0VN28	WSKTLNNAFVFVFEGL
UniRef90_G5CUP5 UniRef90_M1T4W5	WQKFLAVVV AQDALRKVMASVVNEL
UniRef90_P63105 UniRef90_P84610	LDKFLANVSTVLTSK WQKYL <mark>C</mark> AVVSAL
UniRef90_A7RWR6	WN RILIF D SILIT A MILI
UniRef90_P14521 UniRef90_Q701N9	LAKFLAEVVSAL GQQALRNIMATIIA
UniRef90_P01964 UniRef90_W5MYS7	MDKFMAGVSTVLVSK WLTLYSVVVEAMSS
UniRef90_P0C239	F Q K F L  G A  V   V  M F
UniRef90_J3RZP8 UniRef90_G3RYX7	FQK <u>L</u> VS <u>V</u> VS <mark>H</mark> ALA _QAAYQKVVAGVANAL
UniRef90_S5RDN2	L D K F L G N V S T V L T S K
UniRef90_P02086 UniRef90_J9P710	F Q K V V T G V A N A L A WD K F L S L V S <mark>C</mark> V L T E K
UniRef90_UPI0002740913	WDKFMS <u>V</u> V SS <u>V</u> L TEK

	1	1	10	0		20		30	40
UniRef90_UPI0	003F134CF	SEAER	ALVR	ALWN	KMG	N V T E	ALERTE	ASF	STKTYFAN
UniRef90_I3IZ4 UniRef90_P143		SSKDK DW	'F K V N	S   V   W S	AVFS	SDITA		FQYF	QTKTYFS <mark>H</mark> ESQN <b>H</b> FPK
UniRef90_Q9Y	GF5	TDFER	A T I Q	SVF E	KMDY	/ D G P A	ALSRCL	V V Y F	WTQRYFGN
UniRef90_B7U( UniRef90_D1L)			A I II II A A II K	SEWS	AVKEL	SGVT		T E N	WT QRFFDS SFKSQFGY
UniRef90_UPI0							ALARLL		W <u>T</u> QRFFSS
UniRef90_T1W				NVWG	KVE C		<u>V</u> LIRLF		P D I M A K F P Q P E T L E K F D K
UniRef90_UPI0 UniRef90_P143		SAADA	GLLA	QSWA	. P   V   F <i>P</i>	ANGAS	FLVALF	TQFF	ESANFFND
UniRef90_B3E\		SPADK	TNVK	ASWE	KLGG	3 H G A E	ALERME	LSFF	TTKTYFPH
UniRef90_Q6T/ UniRef90_Q9M		K D A E K S E E Q E	ALVK	E A WE	I MKE	DIPA	F F T Q V L	E I A	WT QRYFGS AAKGLFSF
UniRef90_G5B2	XY0	₋ IS A A D Q	AAIVIR	: A IL IW K	KMGT	「NATE	ALLERTF	IL IA F F	STKTYFPH
UniRef90_I3IZ1 UniRef90_P832		TDFER	ATIC	DI FS	K III A N	/ V G Q A	AFSR <mark>C</mark> L ALSR <mark>C</mark> L	IIV Y	WT QRYFGQ WT QRYFGS
UniRef90_L5K0	SV2	IKSER	TVIM	1 S M W G	KIST	T Q A D A	I L E R L F	_T S Y <b>F</b>	QTKTYFPH
UniRef90_Q07/ UniRef90_F2Q9		_ T E A Q <u>E</u> _  S A A E  L	VLVN	ISSWE	AFK	N S    L   S S F F	FYTFVL VFLALL	E K A F	P A A K D L F S F P N I K A N F K K
UniRef90_UPI0		MNAQQL	E L L K	SSWA	K   V   K   C	DTAAE	LFYKLF	E M D F	AVKPLFKG
UniRef90_M3ZI UniRef90_P019		_	AAIQ	DLFS	KINY	DVVA	ALSRCL	I VIY F	WTQRYFGS TTKTYFP
UniRef90_H2YI	M6	$\Box$ T T E E $\overline{\lor}$	TLLR	TTWA	EIIISK	(VGLA	V L   <mark>H</mark> R  L  F	N D C F	PEIVIRPFFPP
UniRef90_A0E2	ZW7	TDQER	SVIT	SUFD	NILIDY	/ DGPK	ALCRCL	I V Y F	WTLRYFSS
UniRef90_A9G\ UniRef90_K7EI		A E R	KAVQ	A M W A	. R   L   Y <i>A</i>	A N G V A	I L V R F F	VNFF	SAKQYFSQ
UniRef90_E6PNUniRef90_UPI0		T A E Q L S A K D K	QL VQ	SSFA	. KIVIR F	QAAA	L F Y R L F	E II A F	PQVKPMFKG PQT <u>K</u> TYFS <mark>H</mark>
UniRef90_R7V		SSAQA	KAIIQ	ANWK	T   V   R A	ARGND	L F V R Y F	LQ N F	GD V EYFGK
UniRef90_R7TL	.Z3 L	TTAQR	A A I Q	NNWA	. T  V  N S	SNMQE	F <u>F M</u> R <u>Y L</u>	SANF	O G D L Q F F P K
UniRef90_P292 UniRef90_A7RI							RFF	EMNF	DSANFFGD DYQKLFPE
UniRef90_A7R	J19 L	TERQL	KLVQ	DTWR	LLKK	K T A M	F Y  L  K  L  F	T L D F	
UniRef90_UPI0 UniRef90_C4W		O	S NVK	AAWG	N W G	эпбАЕ	L F	ETHF	TTKTYFP <mark>H</mark> DVQQSFM <u>P</u>
UniRef90_UPI0	003C43914		^ ^ \ \ T	A [ ] \A/ N	W W E E	NV 0 0 F	LRLF	<u>E T H F</u>	PECKDAFFL
UniRef90_UPI0 UniRef90_S5Z\		SPEEK	A A V I	A L_W N	ı N [V]E L	V V G G E	ALRRLL		WTRRSFMT DIQAHFPQ
UniRef90_P117	'49		A A 17/16	. A	и III о и	GPK		IVYF	WTQRYFGA
UniRef90_G8G UniRef90_R7Th	8X6  L HX5  I		AAIVK	ALWA	NVFA	A H A N D		T A N	P Q T K T Y F S H P G D Q A R F P K
UniRef90_Q8A		SAKDK	AAVK	AFWA	KVSC	GQADA	L F L T Y L I L S R M L	VVY	QTKTYFAH
UniRef90_M7Bl UniRef90_UPI0		SAADR	AAVR	AIIWR	κ∏g s	SNVTF			PETQERFAK PATKTYF <mark>PH</mark>
UniRef90_UPI0	003341107	SAADO	AMVR	Δ   I   \// K	KMDT	T N A T F	ALIFRTE	I A F	STKTYFPN
UniRef90_UPI0 UniRef90_Q9Y	00289948C N 3F4	M D S K T K T D E E R	AAIS	DIFS	KIDY	KAAE	CLSRCL	EKDF	S L K P M F K G W T Q R Y F G A
UniRef90_C1B	JP8	_T P E E L	JT <mark>C</mark> I N	IG <u>L</u> FA	KII IF F	OII IG P K	A I I O R C I	I V Y F	WTORYFST
UniRef90_P019 UniRef90_K1QI	146  L =07  I	S A D D K		N <mark>C</mark> WG	KILGO	J H G G E D T G S H	A L Q R M F M Y K V L L	A A F F	PTTKTYFSH PHLKTLFSF
UniRef90_Q9U	6L2 L	_	KAIIK	ESWP		ONSILID	V	QKFF	PEAQDSFPK
UniRef90_M5D UniRef90_X5M	TJ7 <u>[[</u> R92 N	SEKQK	QLVR	ASFK DRSFA	QVEF	QAAE		DYDF	P S L K K L F K N P E V R P M F K G
UniRef90_A5EF	-K6 <u>N</u>	<u>M</u> T <u>P</u> S Q <u>L</u>	]T	)	K V A F	DQAA	V	_E  V  A F	PVRAMFP
UniRef90_W5L UniRef90_P412									QTKTYFA <mark>H</mark> DTLTPFKS
UniRef90_I3KU	U9 L	_  T E K D K	AAIVK	ALWA	KISK	SGAE	ALGRML	LVY	QTKTYFSH GTKTYFSH
UniRef90_H2L0 UniRef90 Q8JH		_	QLIR	ELWE	RLTF	VAED	I LLRME	ASYF	GTKTYFSH
UniRef90_B2R\	/B7 L	TAEEK	AAIT	ATWT	KVKA	E GVE	SLERLL	ΪΫΫ́	QTKTYFSD HTKRYFDH WTQRYFSG
UniRef90_P296 UniRef90_Q2M	i25 CN9 □	_TKTEK □TKSOK	ATIT	_D∐FS □AAW?	HLDY	r D G <mark>P</mark> K	A L S R C L	I V Y F	WTQRYFSG
UniRef90_G7Y	313	JT DÃÕV	μĠŅŌ	SSWN	֓֞֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	JH GV I	VĘĻĞĖĘ	ĒĒĦS	Q W T Q R Y F S G Q Y L D Y F D A P E V K P L F R Q P E V K P L F R Q P E V K P L F R N P E V K P L F S H P Q Q T R S L F P D P Q S K T K T Y F S H P Q S K T K T Y F S H P Q S K T K T Y F S H P Q S K T K T Y F S H P Q S K T K T Y F S H P Q S K T K T Y F S H P Q S K T K T Y F S H P Q S K T K T Y F S H P Q S K T K T Y F S H P Q S K T K T Y F S H P Q S K T K T Y F S H P Q S K T K T Y F S H P Q S K T K T Y F S H P Q S K T K T Y F S H P Q S K T K T Y F S H
UniRef90_UPI0 UniRef90_A7IIA	002557E95 N NO N	VIE [SE]		SSFA ASFA	K V K C	KAAE		D T A F	E V K P L F
UniRef90_UPI0	001D37934	EP	É L Ĭ Ř	QŠWR	AVSE	HGTV	LEARLE	ĀĻĖ	PULL R Q
UniRef90_Q0IE UniRef90_H8Z1	⊓8 <u>[[</u>  [5	I	H V L V A L V R	」レAWK :TSWA	Q L O	QGAA	I FLKFF LYQRMF	E K N F	ELRRLFKG
UniRef90_UPI0	001CBB478	IJĬŅĔŎŖ	RLIL	DŠWK	ĔŪĬ	ĎĚĔŘ	I F M G M F	GTH	QTREFFN
UniRef90_UPI0 UniRef90_A3KF	0047EE4C7 P86 II	_ S A A Q V _ S S A F K	JA II V IQ E II I I A	$E \square W D$	I [V]Q A	VAFF	LEYRLF		Y Q [V ] K S [L ] F P D P K T K T Y F S H
UniRef90_Q7Z	г <u>85</u>	TAEDR	ĸĿĹĠ	ĀSVĀ	ĸŸĖ	Q G Ā D	ALNRÜF	<u> </u>	QSKTYFSH
UniRef90_UPI0 UniRef90_Q53I		TTFDR	KEVO	TIWS	FIVO	$A \cap A \vee C$	VEFDLE	RRDF	FSKNIFKR
UniRef90_C1BI	L2 L	J S S K D K	ÄŢVĶ	AFWA	KVĚ	KGŠD	ALSRML	V V Y	QTKTYFSH DLRPLFKK
UniRef90_Q7N UniRef90_UPI0				L S F A	KVEF	LAAK FGAG	LIFYKLF PHGFIF		DI I PI F K C
UniRef90_H2Q	A68 L	TKTEG	ŢŢŢ	Js MwA	KIIST	QĞŢĔ	ŢĹĔŖĹĿ	<u>Ľ</u> SH	DLLPLFKQ QTRTYFPR QTKTYFTH
UniRef90_P846 UniRef90_UPI0	53 002F8F95F    1	_	A A V R	A L W G	KII IS K	KAADA	ILSRML	JF [V]Y F S Y D F	OTKTYFTH SLKRLFKG
UniRef90_C1Bl	_E4	TEFER	T T I T	SLFA	KII ID Y	/ DKIVIG	AILISRTIL	V V Y	WTQRYFGN
UniRef90_P020 UniRef90_C0H		_TAKDK SAHEE	SVVK	AFWG	KIISO	K G A E	ALGRML	I A Y	QTKTYFSH WKRRYFFH
UniRef90_A0A0	)22T2H4	TEDEL	ĸĸĸ	ŢŢŴĎ	ELN S	TPLE	<u> </u>	ĘĹĖ s	WKRRYFEH SEFRQFLQE HMRALFP
UniRef90_D6YE UniRef90 Q8U		SANDK		ESFA	PVKA	KAAAA	Y F H R L F	A E H F	HMRALIFP OTKTYFSH
UniRef90_P832	.71 <u>L</u>	TEKDK	AAVT	AMWG	KIL	SADA	L GRML	V V Y	QTKTYFSH QTKTYFSH WTQRYFGT
UniRef90_P868 UniRef90_UPI0	379	T D K E R	AVIL	JGIL F S	GLE	OLIGPK	ALVRCL	I V Y	WTQRYFGT EVR <u>P</u> LFNQ
UniRef90_A8X7	TN6					NGIK		AFY	PRYKILIWPO
UniRef90_V5N	513 L	SAKDK	AAVK	AFWA	TLAF	KAED	ILFRML	TVYF	QTKTYFSH
JniRef90_G8D	rız L	_   O G K D K	rk <u>[v</u> V  K	. A [∐ W E	N 101 5 5	NGAE	ALGKMIL	_ <u>v</u> _o Y	QTKTYFSH

UniRef90_UPI0003F134CF UniRef90_I3IZ43 UniRef90_P14399	50 60 70 80  F N L K P G S T Q I K D H G K K V A V A L T Q A V N H L D D L P G A L WG D L T P S C P Q V K K H G A V I M A A V G K A V K N I D D L T G H L F K N K S L G E L K D T A D I K A Q A D T V L S A L G N I V K K K G S H S Q P V
UniRef90_Q9YGF5 UniRef90_B7UCU6 UniRef90_D1LX80 UniRef90_UPl0003834AAC	FKNKSLGELKDTADIKAQADTVLSALGNIVKKKGSHSQPVFGNLNAAAIQGNPMVAAHGKTVLRGLDRAVKNMDDIKATYFGNLSASALMGNPRVKAHGKKVLTSLGDALKHLDDLKGTFMSGVADGDMKTLPALENHGVKVMDRINEWMGNLTNLVKQLFGNLNAAAVLGNPKVRAHGQKVLTSFGEAVKNLDNLKATF
UniRef90_T1W0Z0 UniRef90_UPI00034F873C UniRef90_P14393 UniRef90_B3EWC9	F A G K D L A S L K N T A S F A T H A G R I V G F V S E I V A N M P A M E T L I F K S K S E D E M R G S E D L K K H G S T V L T A L G G I L K K K G Q H A A E L F K G K S L A D I Q A S P K L R D V S S R I F A R L N E F V S N A G K M G S M L F D L S H G S A Q L Q G H G K K V A D A L A N A A A H V D D L P G A L F G D V S A A A I 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 I L A T Y L K D A E E I P Q D N P K L K S H A V K V F K M T C E A I Q L R E K G E S T L W
UniRef90_Q6TAD0 UniRef90_Q9M3U9 UniRef90_G5BXY0 UniRef90_I3IZ10	LKDAE EI PODNPKLKSHAVV GALDKAV NMGNILATY  LKDAE EI PODNPKLKSHAVV F MTCEAI QLREKGESTL  W DLSIGSAQVKALGQKV ADALTLAV DQLYDLPGAL  FGNLNAAAI ASNPKV AAHGKV I MEALEKAV KDMDNI KATY  FGNLNAAAI MGNPNVAKHGTL I LHGLDRGVKNMDNI KETY
UniRef90_P83273 UniRef90_L5KGV2 UniRef90_Q07A26 UniRef90_F2Q9X6 UniRef90_UP100036DA9C1	F DL HPGSAQL RLHGSKV VA AV GDAVKSIDNI A GALLKNSD GVPKNNPALQAHAEKV FGL VRDAAVQLRAKGTVT FKDIPEASLPGNADMRAHGKKV CTVL DKFIKGDD GAADMKEQGRKLMAAINTV VNGVDKLDTML FGNLNAAAITSNPKVAAHGKVIMAGLEKAVKNMDDIKTTYNYDFSAGSAQIKTQGQKIADAVGLAVAHLDDMPTAL
UniRef90_M3ZD71 UniRef90_P01976 UniRef90_H2YFM6 UniRef90_A0EZW7	F G N L N A A A L T S N P K V A A H G K V I M A G L E K Å V K N M D D L K T T Y N Y D F S A G S A Q I K T Q G Q K I A D A V G L A V A H L D D M P T A L S E L S D M D S L K S N P K V V D H A S R V A L S I N N I I Q L L D E L V S Y L F G N L 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 I K A T Y
UniRef90_A9GV91 UniRef90_K7EMC7 UniRef90_E6PMQ5 UniRef90_UPI0004441846	SELSDMDSLKSNPKVVDHASRVALSINNII QLLDELVSYL FGNLNSEAIKNNKKIADHGIKVLHGLDRAVKNMDNIKATY DI AEQKKKLMQTLSVAVDNLPKLVPVL FKHEDPLEMERSPQLRKHACRVMGALNTVVENLDKVSSVL DMVEQGRKLMAMLNTVVNGLTDLDSLV WKDMSP GSAPVKKHGATVMGGVAEAVAKIDDLTSGL
UniRef90_R7VAV5 UniRef90_R7TLZ3 UniRef90_P29287 UniRef90_A7RHV8	FASAGVGALLRSNEAFQEQTLTVFKFLGELVAKLNDLEAML FKGKSLADLRASPKLRSVSSRLVNRLNDFVGNAGKMAGML
UniRef90_A7RJ19 UniRef90_UPl00045E4628 UniRef90_C4WXJ8 UniRef90_UPl0003C43914 UniRef90_UPl00032ADC07	FATLDQVELEQANALHGHAKRVMKAVENAVSAMDDAEAYLFHTENEGQLEQDERFLFQSRKFMEMINSAVDRLNDISLLLFDLSHGSAQVKGHGKKVADALTLAVGHVDDMPHALFKGVDLEDLKHSRQLRDHALRVMAFVQKAVARLDKLETLLFRDEDLQQLKMSKELQAHGLRVMSFIEKSVARLDQLEHLAFGGDUSPSALLANPKVTHGKKVJGAFTKSLNHLDQLLHLAFGGDUSPSALLANPKVTHGKKVJGAFTKSLNHLDQLLHLA
UniRef90_S5ZYU7 UniRef90_P11749 UniRef90_G8G8X6 UniRef90_R7THX5	FKGVDLEDLKHSRQLRDHALRVMAFVQKAVARLDKLETLLFRDEDLQQLKMSKELQAHGLRVMSFIEKSVARLDQLEHLAFGDLSPSAILANPKVTIHGKKVLGAFTKSLNHLDNLNDTFFAGKDVAALRDTAAFATHAGRIVGFVSEIIANAPAVQTLVYGDLSPDAIKGNAKIAAHGVKVLHGLDRAVKNMDNINEAYWTELTPGSVPVKNHGKKVKNGLDRAVKNMDNINEAYWTELTPGSVPVKNHGKKVKNGLGLAVAKIDDLVGGLFAEVPLGDLRSNADFNAQTIVIVKALSAIVATLGDVQELL
UniRef90_Q8AYQ7 UniRef90_M7BMA4 UniRef90_UPl000343F5F8 UniRef90_UPl0003341107	F A E V P L G D L R S N A D F N A Q T L V I V K A L S A L V A T L G D V Q E L L WK D L S P G S A P V K K H G K T V M G G I A D A V G K I D D I S S G L F K N L T I D A L K S S E E V K K H G T T V L T A L G R I L K Q K N N H E Q E L F D L S P G S A Q V K A H G K K V A D A L T L A V A H L D D L P G A L W N L S T G S A Q V K V H G Q K V A D A L T L A V N Q L H D L P H V L D M K D Q G A K L M A M I G T A V N G L D N L D A L V
UniRef90_UPI000289948C UniRef90_Q9YGF4 UniRef90_C1BJP8 UniRef90_P01946 UniRef90_K1QF07	F G N L N A E A I I G N S K V A A H G L K V L H G L D L A L K N M E D I N N A F
UniRef90_Q9U6L2 UniRef90_M5DTJ7 UniRef90_X5MB92 UniRef90_A5EFK6	MKVN GAPFDSPMFKSHVRNVFTVIGDAVNHIDDLDSLLFSAKKCH LEQDNEVKWQASRIINAVNAVVGHLDNMKQYLDMKAQGRKLMAALKLAVSSLDNLEKLLDMDDQGRMLMSMLASVVAGLNDLATILEDLTEQRKKLMGTLAVVVGGLSNLDTVLWADLSPGSAPVKKHGKTIMGAVSAAVASIEDLPGAM
UniRef90_W5LAN4 UniRef90_P41262 UniRef90_I3KUU9 UniRef90_H2LCU1	WADLSP GSAPVKKHGKTI MGAVSAAVASI EDLPGAM FEDVSFNQMTDHPTMKAQALVFCDGMSSFVDNLDDHEVLL WPDLTP GSAPVVSHGKQI MGGVTEAMSKI DNLRGGL LDIGPGSAHLSSHGKKI VLAI AEGAKDI SQLTVTL WADLSP GSAPVKKHGKTI MGAVGEAVSKI DDLTGAL FGDFSCAATEDNHKLKALGKKMI ESFSEDLQSLDNLHYTF
UniRef90_Q8JH82 UniRef90_B2RVB7 UniRef90_P29625 UniRef90_Q2MCN9 UniRef90_G7Y3I3	WADLSP GSAPVKKHGKTIMGAVGEAVSKIIDDLTGALFGDFSCAATEDNHKLKALGKKMIESFSEDLQSLDNLHYTFGNLNAAATIGNAKVAEHGIKVLHGLDLGLKKMDNIEAAYFGGGSAGELGENRSLHAHALNVMNFIGTLIDDPALLKCSLFRQKQLSNLTRDPAFQAHGLRVLNVVDKIISRLRRIDTIL
UniRef90_UPI0002557E95 UniRef90_A7IIA0 UniRef90_UPI0001D37934	FS SPEDCLSSPEFLDHIRKVMLVIDAAVTQCPHWRSTF
UniRef90_H8Z1I5 UniRef90_UPI0001CBB478 UniRef90_UPI00047EE4C7 UniRef90_A3KP86	E M D E Q A H K L M R M V N R T V D T L D D L T S L I F R G T S D D P K N T Q R L R E H G L R F M S L V K K I I D E K P R L D A M L D M T A Q K R K L V A M L A L A V A N L D K P E A L V L N I S A N S E H L R S H G K K I V E A L A E G A K N I S T L T T T L
UniRef90_Q7ZT85 UniRef90_UPl0002657734 UniRef90_Q53I64 UniRef90_C1BIL2	FNLNP GSKDII HQGEKVGKAL DSAL KHLDDI RGTL LQMI A A DQLPYHTAL RAHSLSI LYVI HSLI DSMDDEETLI VNVDDM NSPEFHAHCI RVVNGL DTVI GL L DDPDTL L WPDLSP GSAPVRTHGKTI LEGVGEAVSKI EDLSNGL
UniRef90_Q7NTW7 UniRef90_UPl00039922E5 UniRef90_H2QA68 UniRef90_P84653 UniRef90_UPl0002E8E95E	S M D Y E A K E L K D N R S L H A H A L N V M N F F G A L I D G L D H P K S S L E M D E Q A H K L M R M V N R T V D T L D D L T S L I F R G T S D D P K N T Q R L R E H G L R F M S L V K K L I D E K P R L D A M L D M T A Q K R K L V A M L A L A V A N L D K P E A L V L N I S A N S E H L R S H G K K I V E A L A E G A K N I S T L T T T L F N L N P G S K D I I H Q G E K V G K A L D S A L K H L D D I R G T L L Q M I A A D Q L P Y H T A L R A H S L S I L Y V I H S L I D S M D D E E T L I V N V D D M N S P E F H A H C L R V V N G L D T V I G L L D D P D T L L W P D L S P G S A P V R T H G K T I I E G V G E A V S K I E D L S N G L D M A A Q R Q M L M S T L K L A V K G L D D L E Q L L F A S P Q E C L S A P E F L D H I R K V M L V I D A A V E N L S C L E E Y L F D H N G S A R L R T H G Y K V M A S E L N T V K S I D N I N G A Q W P D L S P G S V H V K K H G K N V M G G I A L A V S K I D D L T N G L D M K Q Q G R K L M A M L H A A V H S L D T L D K L L
UniRef90_C1BLE4 UniRef90_P02019 UniRef90_C0HJE1 UniRef90_A0A022T2H4	F G N L N A A A L V G N K M V A A H G V V V L H G L E R G W K N M D N I R E T Y
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UniRef90_C1EC08	Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z Z	/ ENSWNKVA	PNANALFVKYFTANPADQALFKS ALGVELFKNIFTIAPEALELFS KNSVLFYTVILEIAPTAKDMFSF
UniRef90_Q9FEP8 UniRef90_UPI0003F4	TAQQEAL\ CB53 IIQQDHAETI	/ G S S Y E T F K I	KNSVLFYTVILEIIAPTAKDMFSF A <mark>H</mark> GVELFYAMFAA <mark>H</mark> PEL <u>R</u> NLFNQ
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UniRef90_L7X0Q0	LSEREKDVV	/ K E T V P V L Q I	DKGVEI YARMEKQHPELKNMFNQ
UniRef90_W9YS10	LSPEHQAL\	/ KST <mark>V P VL</mark> A	
UniRef90_M3X009 UniRef90_UPI0003D0			HRTFLAFPSTKTYFPH
UniRef90_B3EWR8			A A E V G A L A R L L V L Y P W T Q R Y F G K
UniRef90_UPI00035F UniRef90_UPI0004238	1C6F SADAQILI B4CF LITDNETIKII	K S S A P A L A	PVADKFYALLFIRHPELRELFPEYGEQUITGRLLEKNPELKNLFPPVADQVYGRLFANYPHIREMFPKHGVELFYKMLAKHPELHNLFNTKVGGETLGRLLIVYPWTQRFFDKEDPADVFYQLFLKYPSLRSMFKGAHGDVFTGRLLIVYPWTQRFFDK
UniRef90_D2AQM5	DUGLI	RRSWSLVE	PVA DQVYGRLFANYPHI REMFP
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UniRef90_M3WAU4			RTFLAFPT <u>TK</u> T <u>Y</u> FPH
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UniRef90_A0A023RL0	Q7 MTPEQIELY	/QRAWGRVT	A YIVIQ FIVIY A FILIF RILIS P DILLINILIF P D
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UniRef90_B3GWE1	I TERQKHIF	ŢĔŢ <mark>Ĕ</mark> PVĬĸ	QYGNEI YERLFEANPELLNIFNK RNGLVLFAKYFSEFPHYKNI WPQ GALDELFYRLFTAHPELRDLFNR EHGTTFYANMLAAHPELKNYFS ENLTEVITRLFSTYPELKKQFNM PVAEDILLRLFTTVPGSKTYFSH AEGPKIYQRMFRRHPELRNLFNQ
UniRef90_UPI0003A4 UniRef90_G9N8G9	765B LSEKSAQTN LTPEQIAIN	/ R A T  L   <mark>P</mark>  V V  R	GAILDEILFYRLFTAHPELRDLFNR FHGTTFYANMIJAAHPELKNVES
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UniRef90_C5AB71 UniRef90_P83113	LIAEQMDRI DDRS <mark>H</mark> I	LALWPSVA	SHGAEALYRLFLSNPQTKTYFPN
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UniRef90_UPI00039B UniRef90_W9GC32	ון או חיד ט ר או די ח	/ K	A A I G E I Y H R L F T N H P E L R D L F N R Q H A T A Y F Y R L F A E N P H L R A M F P L H G D D F Y S H L F V T H P E L R D M F P L A H I D D I F Y R L F T A H P E L L N L F N R A L A S A F Y A T L F A T N P E A R E F F P Q H G E A I F Y K L F E A H P E L L N I F N H
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JniRef90_M3FBC5	L O V E K		WII GEALLE TRILIFEANTELL LINII IF NH

	50 60 70 80
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UniRef90_UPI000477A4C2	P M A S Q Y Q K F II ID MIL IS II I V IA R II ID R P D S II IA
UniRef90_R7Z646	NILIAHOATGAQPAAILIAHA IVIWAYASNILIFNILIFAILIKPAIVI
UniRef90_UPI00032ABB17 UniRef90_P06148	LKNFDGIPHQNST LEAHAEKIFDMTRDAAIQLRANDVTL FSSVPLYGLRSNPAYKAQTLTVINYLDKVVDALGNAGALM
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UniRef90_P80945 UniRef90_X1ZAM1	WKDTSP NSPEVKKHGALILATIGDVVNRIENMTTVL FAGVGIGDLSGNAAFNKQTLAVLTYVDKVVAGLGNAAQLM
UniRef90_C1EC08	FAGVG GDLSGNAAFNKQTLAVLTYVDKVVAGLGNAAQLM FRNEP NLYDSLTLKAHGVNVVNTVGKAVAGLREFYTLL LKESGP KHSPQLQAHAEKVFALTRDAATQLAKGEVTL
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UniRef90_O13077 UniRef90_UPI0004293D32	F G N L N A E T L L N P L I A A H G T K L H G L D R A L K N M D D I K N T Y T N Q R K G D Q P K A L A N T V Y A A A K Y L D K L E T L L P V V
UniRef90_L7X0Q0	T N Q Q R <u>G L</u>  Q S T A <u> L  A Q</u> S <u> V L  </u> A A <u>A  V N  </u> I  D <u>H</u>  L  E A <u> L</u> L
UniRef90_W9YS10 UniRef90_M3X009	A H Q S T G T Q P A A L A H A V L A Y A A H I D D L GV L T S A V F S S P E D C L S S P E F L D H L R K V M F V I D T A V T N L S S L E E Y L
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UniRef90_D2AQM5 UniRef90_Q0CEI5	AHQATGEQ PAAII IAHA IVIWAYASNII IDHPEAII IATAIVI
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UniRef90_UPI0003AFB808	A S M A G Q R D R L V T A L G R L V A G V G Q P D V M L F G N L P A D D I M G N A K V K A R D N K V L D S F T E G L K Y V D H L K G V F
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UniRef90_O04939	LAN GVDPTNPKLTAHAESLFGLVRDSAAQLRANGAVV F DLTPGSAQVKAHGKKVADALTRAVAHLDDLPTAL
UniRef90_M3WAU4 UniRef90_Q9RC40	T Q G R Q P Q A L A N S ILY A A A E HI D N L E A L L P V V
UniRef90_A0A044VD66	FRAILIPDSSILITADAILIKQHGILVIYMAGILIKDILLIDSMEDEEKMILL
UniRef90_W5XXL5 UniRef90_I0JWE7	F NRGNQKQGEQQKALAASIASFASMLVDSAPDPVAML ENIEKQGRKLIDVLNWLVLNLQDIDTAL
UniRef90_R7TL54	SPIPDAYELS RASNLRDHVT RFMQAVGWSVQHMDDLDTVFFQDEDPEEMERSSQLRHHACRVMNAINTVVENLHDPESVL
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UniRef90_C7PVF6 UniRef90_UPI00004F418F	GNQAAGTQRLALAGSIAAFATQLVEQPGRPDALL SGDLSADAIMSDPKVKAHGKKMLDFFGEGIKHLNDLKGTF
UniRef90_A0A023RLQ7	PAGMPIVIT KIVIS ET IL IN TIV I IT SIL IE QIL ID AIL IG FIL I I
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UniRef90_A0A016VCN3	IL I
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UniRef90_Q9PVM3	W GSDIIN POHPMVKKHGAILIMGGIIGKAVKNIIDDIIVRGII
UniRef90_L5N6T1 UniRef90_UPI0002E4C509	THQKVGEQPKALA NAVYMAAAHIDELETILPMV SNQKQGKQQTALAQTVLAAAKHIDQLEALVPNV
UniRef90_B3GWE1	FRTILIODS AILLIAS NEILIAN <mark>HO</mark> SIVIY MS GILIK EIL VIEIVIMD DE EKILIM
UniRef90_UPI0003A4765B UniRef90_G9N8G9	GNQANGTQRRALAGSTAHFASALVDEQGRPEGIL LRNQQTGAQQAALANSVLAA ATHUDNLSVILGAV
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UniRef90_P83113	F D F H K D S P QIL IK A H G K K IV V ID A IL IT F A S K H IL ID N IL IN G A IL I
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		22	400	440
UniRef90 A8HTG8	LALSELHA1	- 90    L  R  V  D   <b>P</b>  A  N	100 N F K   I L   A H <mark>C</mark> [	110
UniRef90_C1BF40	Λ D I I O T I I U I V I I I I I I I I I I I I I I I	( II ID II ID D C N	1	$I \setminus I \setminus I \setminus I \setminus A \setminus A \cup A \cap C \cap D \mid I \setminus I \setminus A \cup A$
UniRef90_G4HG40 UniRef90_UPI000477A4C2	KQIAHKHRS QELSRSHAO	SILIGIVIK PEF	Y PIL V G E H L	L G A I K E V L G D A A T E E A
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UniRef90_Q5EEZ5 UniRef90_J5JNA3				
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UniRef90_Q45XI1 UniRef90_A3AFU2	A QLS ELH <mark>C</mark> [ K ]	T G R IV IT IV IA K	(F AL	LETIKEAVPSPAMKGA
UniRef90_P80945	GSLSDLHAK	( L R V D P A N	IFKI LGHNI	MVVI CMTFPNDEVHLS
UniRef90_X1ZAM1 UniRef90_C1EC08	K D Q V A P H K A A A L G E R H V E	Y GILEPH	YDVVGKAL	PGFIGQNGGDGA <mark>C</mark> VAA LMTLEQGLGTPQVKEA
UniRef90_Q9FEP8	ADLGAVHVQ	QKAVTDP H	I F Y V K E A L	LQTVKEAVGADELSTA
UniRef90_UPI0003F4CB53 UniRef90_Q6CB74	SRIAHKHAS EQIVVKHV	GL QI QPE	ATTIVIGRALL QYPIVAASI	LMT LEQGLGTPQVKEA LQTVKEAVGADELSTA LEAVAEVLGTPEVHAA LHTLKEMLGTPEFIEA
UniRef90_O13077				
UniRef90_UPI0004293D32 UniRef90_L7X0Q0	K Q I   A Q K H R S K E I   A Y K H C	ALQVPPAC	YDI VGENL	L
UniRef90_W9YS10	SRIGNKHAS	L GI T P D C	Q Y P L V G E N L	LASIKEVLGDAVDQDA
UniRef90_M3X009 UniRef90_UPI0003D0F472	A GIL IG K K H R A S A L IS D L H A H	A   V   G   V   K   F   S   S H   L   R   V   D   P   A   N	ь г	L Y M L E K C L G T P A M R A A L V T L A R H Y P G D E M H A S
UniRef90_B3EWR8	AKXXXXXXX	K N M D B D I	Y PI V GENL GY DI V GENL GY PI V GENL GF ST V GESL NF QF F SHCL	TIVLAMKFGADFTQAV
UniRef90_UPI00035F1C6F UniRef90_UPI00042384CF	SHILIGKGHRA ERII AQKHAS	KYGIKPEF SLGIKPEF	1 Y P A V G E <mark>C</mark> L 1 Y P L V G A A I	I GALASAVWNDEVEGALESIKEILPGDDVISAVAAMRFNAGGPAYDEALAAIKEVLGTPPVVDA
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Juikef90_LP1000248C5DB	UniRef90_UPI00028834C5	HQI GQKHRSLGI LPEHYPLVGQFL LAAI KEVLGDAATEEA
JiniRef90_A0A016QTS8 JiniRef90_E9F690 JiniRef90_E9F690 JiniRef90_UP1000476306B JiniRef90_UP1000476306B JiniRef90_UP100035943AF JiniRef90_UP100035943AF JiniRef90_A7ICZ3 S K T G A S H V K F G F K S T N F L A L K A L A A V K G T R P E L A A A J J J G T P E L A A A J J J G T P E L A A A J J J G T P E L A A A J J J G T P E L A A A J J J G T P E L A A A J J J G T P E L A A A J J G T P E L A A A A J J G T P E L A A A A J J G T P E L A A A A J J G T P E L A A A A J J G T P E L A A A A J J G T P E L A A A A J J G T P E L A A A A J J G T P E L A A A A J J G T P E L A A A A J J G T P E L A A A A J J G T P E L A A A A A A A A A A A A A A A A A A		KOLICHKH PSTGVK PELV PLVG PTLLT AMPEVLOT DEVLOA
Dinkerson   Estimate   Dinkerson   Dinke		GRI ATKHVSLEVLPEHYPI VGFHI I KALAVI GTPFI I DA
JniRef90_UPI000476306B JniRef90_UPI00035943AF JniRef90_UPI00042BDA80 JniRef90_UPI00042BDA80 JniRef90_UPI00042BDA80 JniRef90_E1X5F5 JniRef90_G7K1Y9 JniRef90_G7K1Y9 JniRef90_G7K1Y9 JniRef90_UPI00046EB1D4 JniRef90_UPI0003632844 JniRef90_UPI000362884 JniRef90_UPI000362884 JniRef90_UPI000362884 JniRef90_UPI000362884 JniRef90	UniRef90_E9F690	ĔŖijŖŖĸĦĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸ
JAIRE190_UP100035943AF JAIRE190_G2TLI6  S K T G A S HV K F G F K S T N F L A J K E P F L L K A J K E V L G D A E Q L A H K H R G L G I Q P E H Y P I V G E F L L K A J K E V L G D A E V L Q A J A H K H S S L K I K P E H Y P I V G A A L I E T L S L Y F G P R E L R R A J A J A K E Q L A V R H V H Y G V R D A H Y A T V G A A L I E T L S L Y F G P R E L R R A J A J A K E Q L A V R H V H Y G V R D A H Y A T V G A A L I E T L S L Y F G P R E L R R A J A J A K E Q L A V R H V H Y G V R D A H Y A T V G A A L I E T L S L Y F G P R E L R R A J A M K H S S L K I K P E H Y P I V G V N L L E S I K E V L G T D D I I S A J A M I L E N S T I L G A L K T I K E A S K N E E L R T A K I L K T I K E A S K N E E L R T A J A J A M K H S S L K I K R P E H Y P A V G E C L I G S L S A A A I W D E T E A A J A M I W D E T E A A J A M I W D E T E A A J A M I W D E T E A A J A M I W D E T E A A J A M I W D E T E A A J A M I W D E T E A A J A M I W D E T E A A J A M I W D E T E A A S R I A M K H A S L G V T P E Q Y P I V G K Y L L G A I K E V L G T P E I L G A I K E V L G T P E I L G A I K E V L G T P E I L G A I K E V L G T P E I L G A I K E V L G T P E I L G A I K E V L G T P E I L G A I K E V L G T P E I L G A I K E V L G T P E I L G A I K E V L G T P E I L G A I K E V L G T P E I L G A I K E V L G T P E I L G A I K E V L G T P E I L G A I K E V L G T P E I L G A I K E V L G T P E I L G A I K E V L G T P E I L G A I K E V L G T P E V L G A D I V T P T Q Y E V Q G T A L L A A L K A I L A A L K A T L S W P E T E A A A D I W R T T T T T T T T T T T T T T T T T T	UniRef90_UPI000476306B	RRLAYKHVSLGLRPEHYTLVGEHLLAAVGEVLGTPELAAA
	UniRef90_UPI00035943AF	SKTGASHVKFGFKSTNFLAILKEPFLEAVRVTLGTENMQNL
JniRef90_A7ICZ3  JniRef90_A7ICZ3  JniRef90_A7ICZ3  JniRef90_A7ICZ3  JniRef90_L1X5F5  JniRef90_C43789  A T L G A I H V H V G V R D A H Y A T V G A A L L K T I K E A A G W S E EL N A J N R R S L K I K P E H Y P I V G V N L L E S I K E V L G T D D I I S A J N R R S L K I K P E H Y P I V G V N L L E S I K E V L G T D D I I S A J N R R S L K I K P E H Y P I V G V N L L E S I K E V L G T D D I I S A J N R R S L K I K P E H Y P I V G V N L L E S I K E V L G T D D I I S A J N R R S L K I K P E H Y P I V G V N L L E S I K E V L G T D D I I S A J N R R S L G N R K Y G T R P E H Y P A V G E C L I G S L S A A A I W D E T E A A S L G I V P E Q Y P I V G K Y L L G A I K E V L G T P E I L G A J J N R R S G V G P D H Y A P V G E A L L W S L G A G F W N D D V E Q S J N R R S G V G F D H Y A P V G E A L L W S L G A G F W N D D V E Q S J N R R S G V G F D H Y P A V G D A L L A T L S H F A G T P E I A A W J A R I A N K H A S L G I I A D Q Y E H L F E A I V E V L G E A V T P E V E A A J J N R R S G V G T R P E H Y P A V G E A L I K T I K E A A G W S E EL N A A I W R Y G V R P D H Y A P V G E A L L W S L G A G F W N D D V E Q S J N R R S G V G T R P E H Y P A V G D A L L A T L S H F A G T P E I A A W J A R I A N K H A S L G I I A D Q Y E H L F E A I V E V L G E A V T P E V A A A J I K R V G T R P E H Y P A V G E A L L A T L S H F A G T P E L R E S J I K E V L G T D R H V E S S R I G H K H A G L G V A P E H Y P A V G E A L L A S I Q E V L G D G S I E F G W I K A P L A E F L R E K L G T D R H V E S S A A A I W R E E V E A A J I K R V G T R P E H Y P A V G E A L L A T L S H F A G T P E V A A A J I K R V G T R P E H Y P A V G E A L L A T L A A E M W N E E V E A A J I K R V G T R P E H Y P A V G E A L L A T L A A E M W N E E V E A A J I K R V G T R P E H Y P A V G E A L L A T L A A E M W N E E V E A A J I K R V G T R P E H Y P A V G E A L L A T L A A E M W N E E V E A A J I K R V G T R P E H Y P A V G E A L L A T L A A E M W N E E V E A A J I K R V G T R P E H Y P A V G E A L L A T L A A E M W N E E V E A A J I K R V G T R P E H Y P A V		SALSNIHANITUD PVNEKI I <mark>CHC</mark> EOVVISVIII ATDOVIII A
JniRef90_E1X5F5 JniRef90_Q43789 JniRef90_G7K1Y9 JniRef90_Q071M5 JniRef90_UP100046EB1D4 JniRef90_UP100046EB1D4 JniRef90_B3QH91 JniRef90_B3QH91 JniRef90_B3QH91 JniRef90_UP10003632844 JniRef90_J9ZAU4 JniRef90_UP100034D31F9 JniRef90_UP100034D31F9 JniRef90_UP100034D31F9 JniRef90_UP100034D31F9 JniRef90_B3QH20 JniRef90_GRYWQA6 JniRef90_UP100034D31F9 JniRef90_B3QH20 JniRef90_GRYWQA6 JniRef90_GRYWQA6 JniRef90_B3QH20 Jni		EQLAVRHVHYGVRDAHYATVGAALIFTISIYFGPRFIIRRA
JniRef90_Q43789 JniRef90_G7K1Y9 JniRef90_G7K1Y9 JniRef90_Q071M5 JniRef90_UPl00046EB1D4 JniRef90_UPl00046EB1D4 JniRef90_UPl0003632844 JniRef90_UPl0003632844 JniRef90_UPl0003632844 JniRef90_UPl0003632844 JniRef90_UPl00034D31F9 JniRef90_UPl00034D31F9 JniRef90_OA0A029WZT4 JniRef90_G8WZT4 JniRef90_G8WZT4 JniRef90_G8WZT4 JniRef90_G8WZT4 JniRef90_G8WZT4 JniRef90_G8WZT4 JniRef90_C3XHE5 JniRef90_A0A024YR31  A T L G A L H V 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 W S E E L N A L E N T I K E A A G W S E E L N A L E N T I K E A A G W S E E L N A L E N T I K E A A G W S E E L N A L E N T I K E A A G W S E E L N A L E N T I K E A A G W S E E L N A L E N T I K E A A G W S E E L N A L E N T I K E A A G W S E E L N A L E N T I K E A A G W S E E L N A L E N T I K E A A G W S E E L N A L E N T I K E A A G W S E E L N A L E N T I K E A A G W S E E L N A L E N T I K E A A G W S E E L N A L E N T I K E A A G W S E E L N A L E N T I K E A S K N E E L R T A L E N T I K E A S K N L E L R T A L E N T I K E A S K N L E L R T A L E N T I K E A L L K T I K E A L	UniRef90_E1X5F5	SLI ANKHSSLKI KPEHYPI VIĞÜNL LESI KEVLĞT DÖLÜ İSA
JniRef90_L7FBF0 JniRef90_Q071M5 JniRef90_UP100046EB1D4 JniRef90_UP100046EB1D4 JniRef90_J0F00046EB1D4 JniRef90_UP10003632844 JniRef90_J0F00046EB1D4 JniRef90_J0F00046EB1D4 JniRef90_J0F0003632844 JniRef90_J0F0003632844 JniRef90_J0F0003632844 JniRef90_J0F00034D31F9 JniRef90_J0F000034D31F9 JniRef90_J0F00034D31F9 JniRef90_J0F00034D31F9 JniRef90_J0F00034D31F9 JniRef90_J0F00034D31F9 JniRef90_J0F000034D31F9 JniRef90_J0F000034D31F9 JniRef90_J0F000034D31F9 JniRef90_J0F000034D31F9 JniRef90_J0F000034D31F9 JniRef90_J0F000034D31F9 JniRef90_J0F000034D31F9 JniRef90_J0F000034D31F9 JniRef90_J0F000034D31F9 JNIREF00_J0F000034D31F9 J	UniRef90_Q43789	ATLIGALHUQKGVVDPHFVVVKEALLKTIKEAAGWSEELNA
JniRef90_Q071M5	UniRef90_G7K1Y9	LIENSI LIGUVKEALLIKTI KEASKNEELIRTA
Juiref90_B3QH91  JniRef90_UP10003632844  JniRef90_JP2AU4  JNIREFPULT GAA JUNE JUNE JUNE JUNE JUNE JUNE JUNE JUNE		NNLOKUTKKI GIKPETIPANGEULI GSLSAAAL WDE LEAA
JniRef90_B3QH91  GKLAVDHVRYGVRPDHYAPVGEALLWSLGAGFWNDDVEQS  JniRef90_UPl0003632844  JniRef90_R7WQA6  JniRef90_J2AU4  JniRef90_J2AU4  JniRef90_A0A059MLX0  JniRef90_A0A059MLX0  JniRef90_K9K7B4  JniRef90_L8G042  JniRef90_G8WZT4  JniRef90_G8WZT4  JniRef90_G8WZT4  JniRef90_G8WZT4  JniRef90_J3BH78  JniRef90_A0A024YR31  ARLANKHAGLGVAPEHYPAVGEALIGALASIQEVLGDG  SRIGHKHAGLGVAPEHYPPAVGEALIGALASIQEVLGDG  SRIGHKHAGLGVAPEHYPPAVGEALIGALASIQEVLGDG  SRIGHKHAGLGVAPEHYPPVVGEHLLASIQEVLGDG  SRIGHKHAGLGVAPEHYPPVVGEHLLASIQEVLGDG  SRIGHKHAGLGVAPEHYPPVVGEHLLASIQEVLGDG  SRIGHKHAGLGVAPEHYPPVVGEALIGALAAEMWNEEVEAAA  JniRef90_A0A024YR31  AMI AEKHVSLSVTPTQYEVVGENLLAAIKEVLGTPEVLGA	UniRef90_Q071Nl5 UniRef90_UPI00046EB1D4	VQI ANKHVSLGI VPEQYPII VIGKYL LIGAII KEVLIGTPFI I GA
JniRef90_UP10003632844  JniRef90_R7WQA6  JniRef90_JZAU4  JniRef90_JZAU4  JniRef90_JZAU4  JniRef90_JZAU4  JniRef90_A0A059MLX0  JniRef90_K9K7B4  JniRef90_L8G042  JniRef90_C3XHE5  JniRef90_C3XHE5  JniRef90_C3XHE5  JniRef90_A0A024YR31  JniRef90_A0A024YR31  JniRef90_A0A024YR31  A R L A Q K H V R L N V K K E H Y P A V G E A L I G A L A A E M W N E E V E A A A J I K E V L G A D V V T P E I A A V V E V L G A D V V T P E I A A V V E V L G A D V V T P E I A A V V E V L G A D V V T P E I A A V V E V L G A D V V T P E I A A V V E V L G A D V V T P E I A A V V E V L G A D V V T P E I A A V V E V L G A D V V T P E I A A V V E V L G A D V V T P E I A A V V T P E V L A A D I K E V L G T D R H V E S V E A A V T P E V L A A A D I K E V L G T D R H V E S V E A A A T L L L A A I K E V L G T D R H V E S A A M I A E K H V S L S V T P T Q Y E V V G E N L L A A I K E V L G T P E V L G A A A I K E V L G T P E V L G A A A I K E V L G T P E V L G A A A I K E V L G T P E V L G A A A I K E V L G T P E V L G A A A I K E V L G T P E V L G A A A I K E V L G T P E V L G A A A I K E V L G T P E V L G A A A I K E V L G T P E V L G A A A I K E V L G T P E V L G A A A I K E V L G T P E V L G A A A I K E V L G T P E V L G A A A I K E V L G T P E V L G A A A I K E V L G T P E V L G A A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P E V L G A I G E V L A A I K E V L G T P	UniRef90_B3QH91	GKLAVDHVRYGVRPDHYAPVGEALIWSLGAGFWNDDVEQS
JRIKEF90_J9ZAU4  JRIKEF90_J9ZAU4  JRIKEF90_J9ZAU4  JRIKEF90_J9ZAU4  JRIKEF90_J9ZAU4  JRIKEF90_J9ZAU4  JRIKEF90_JPI00034D31F9  JRIKEF90_AOA059MLX0  JRIKEF90_K9K7B4  JRIKEF90_LBG042  JRIKEF90_LBG042  JRIKEF90_GSWZT4  JRIKEF90_GSWZT4  JRIKEF90_GSWZT4  JRIKEF90_GSWZT4  JRIKEF90_GSWZT4  JRIKEF90_J3BH78  JRIKEF90_J3BH78  JRIKEF90_J3BH78  JRIKEF90_AOA024YR31	UniRef90_UPI0003632844	QQLGRDHRKEGVVSEHYEAVGTALLAAIKRYAGTDSVERA
JniRef90_JDINERF90_AOAOS9MLX0  JniRef90_K9K7B4  JniRef90_L8G042  JniRef90_G8WZT4  JniRef90_C3XHE5  JniRef90_C3XHE5  JniRef90_AOAO24YR31  JniRef90_AOAO24YR31  JniRef90_AOAO24YR31  A R L A J C J A J L L A J L J A J L J A J L J A J L L A A L L A A A A		SKII JAHKHASILIGIVII EAQYEIL LIFAAII VIEVLIGADVVIT PEII JAAV
JniRef90_A0A059MLX0  A R I A N K H A S I G I I A D Q Y E H L F E A I V E V L G E A V T P E V A A A A J J N Ref90_K9K7B4  A R K F S V Q H T A R G V G S I E F G W I K A P L A E F L R E K L G T D R H V E S J J N Ref90_C3XHE5  S R I G H K H A G L G V A P E H Y P I V G E H L L A S I Q E V L G D G  S Q L G R G H R K Y G T R P E H Y P A V G E A L I G A L A A E M W N E E V E A A J N R E F C S I G K T H V R L N V K K E H Y P I V G A C L I K A I E N V L Q E N A T K E A J I R E F C S I G K T H V R L N V K K E H Y P I V G A C L I K A I E N V L Q E N A T K E A J I R E F C S I G F R K Y G T M P G H Y P A V G E A L V G A L A A T E D V L S A J I R E F C S I G F R K Y G T M P G H Y P A V G E A L V G A L A A T E D V L S A A M I A E K H V S L S V T P T Q Y E V V G E N L L A A I K E V L G T P E V L G A		K SI G A Y H H O G G A D F H Y P Y I G O A I I F T F A F Y I D H D F I F R A
JniRef90_K9K7B4       R K F S V Q H T A R G V G S I E F G WI K A P L A E F L R E K L G T D R H V E S         JniRef90_L8G042       S R I G H K H A G L G V A P E H Y P L V G E H L L A S I Q E V L G D G         JniRef90_C3XHE5       S Q L G R G H R K Y G T R P E H Y P A V G E A L I G A L A A E M W N E E V E A A         JniRef90_J3BH78       E R I A Q K H V G L N I R P D H Y P H V A T A L L G A I G E V L A T E D V L S A         JniRef90_A0A024YR31       C R L G T G H R K Y G T M P G H Y P A V G E A L V G A L A A T L S W P E T E A A         JniRef90_A1ZE02       A MI A E K H V S L S V T P T Q Y E V V G E N L L A A I K E V L G T P E V L G A	UniRef90_A0A059MLX0	ARLANKHAŠLIĞI LADQYEHLIFËAL VEVLIĞEAVI TPEVLAAA
JniRef90_L8G042  S R I   G H K H A G L G V A P E H Y P I V G E H L L A S I Q E V L G D G  JniRef90_G8WZT4  S Q L G R G H R K Y G T R P E H Y P A V G E A L I G A L A A E M W N E E V E A A  JniRef90_C3XHE5  E S I G K T H V R L N V K K E H Y P I V G A C L I K A I E N V L Q E N A T K E A  JniRef90_A0A024YR31  JniRef90_A0A024YR31  JniRef90_A1ZE02  S R I G H K H A G L G V A P E H Y P I V G E H L L A S I Q E V L G D G  S Q L G R G H R K Y G T R P E H Y P A V G E A L I G A I G E V L A T E D V L S A  U G E V L G D G  S Q L G R G H R K Y G T R P E H Y P A V G E A L I G A I G E V L A T E D V L S A  U G E V L G D G  S Q L G R G H R K Y G T R P E H Y P A V G E A L I G A I G E V L A T E D V L S A  U G E N L A A E M W N E E V E A A  U G E N L L A A I K E V L G T P E V L G A	UniRef90_K9K7B4	RKFSVQHTARGVGSLEFGWIKAPLAEFLREKLGTDRHVES
JNIRE190_GOVVZ14  SQLGRGNRKYGIRFFHYPAVGEALIGALAAEMWNEEWEAA  JNIRE190_C3XHE5  E SI GKTHVRLNVKKEHYPLVGACLIKAIENVLQENATKEA  JNIRE190_J3BH78  E RI AQKHVGLNLRPDHYPHVATALLGAIGEVLATEDVLSA  JNIRE190_A0A024YR31  CRLGTGHRKYGTMPGHYPAVGEALVGALAATLSWPETEAA  JNIRE190_A1ZE02  A MI A E KHVSLSVTPTQYEVVGENLLAAIKEVLGTPEVLGA	UniRef90_L8G042	S RII G H K H A GLIGVIA P E H Y PIL V G E H L L A S II Q E V L G D G
JniRef90_A0A024YR31  A MI A E K H V S L S V T P T Q Y E V V G E N L L A A I K E V L G T P E V L G A  JniRef90_A1ZE02		SULUKUHKKYGIKPEHYPANUEALIIGALIAEMWNEEVEAA
UniRef90_A0A024YR31		ERI A Q K H V G L N I R P D H Y P H V A T A L L G A I G F V I A T F D V I S A
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UniRef90_O76242	WAAVVDD FYQELFKAHPEYQNKF G
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UniRef90_S6EG67	F Y A N L L A A E P Q L V Q M F P S
UniRef90_U2EMN6 UniRef90_A0A037ZKD6	LT D Q Q T E T I K A T A P A L Q A C G E E M Y A R M F R N N P E V K P Y F
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UniRef90_UPI0003959284	
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UniRef90_UPI00037D16A9	I R R T WQ L A R P Y L P E L F Y N L F T L A P T T R D F F P L D S Q T L A T V K S T L P L L G P K L T A H F Y R M F T H N P E L K D T F N Q
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UniRef90_I0HCX7 UniRef90_W2TME1	LSPAEKKLVKQSLELVPQNGKD <u>FYKYMF</u> THYPNLRQYFKG
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JniRef90_M3V615	T E V Y T R M F A D P D L R D L F

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UniRef90_A0A037ZKD6 UniRef90_UPI00035CAD24 UniRef90_M3UR57 UniRef90_UPI0004015458	D M S A Q Q A K L V T T L V T A V N M F D T P S Q L L  G H Q Q A G S Q Q Q A L A M A V A A Y A E H I D N P S V L A P V L  D S R V Q A E M L R T A V V S V L D H L E D A E T N L  P N H K Q G L Q S T A L A A A Q H I E D L S P I V P V V
UniRef90_UPl0003959284 UniRef90_G3AFl9 UniRef90_E1GID0 UniRef90_U4T9S0	F G E A I K N L D N L K G T Y  L D R D H A L E R M F P S I K H Q A T H F A T V L T V A V M Q L D D L S T L L  L Q K I P E G R L K Y D P R F R R H A I V F T K S F D Y I V K N V E K L E Q H F  N E T N Q K L G R Q Q N A L A S T V L A A A K N I E H L A V L L P Q V
UniRef90_UPI00037D16A9 UniRef90_C4UGH9 UniRef90_UPI0003798827	A SLQ A E Q G R T F R A L L H L V D R P D D L A P F L F N A L C A Y A A N L E N L A A L L G N Q K S G E Q R Q A L A G S I L G Y A R T L L E E P G S T P A L L
UniRef90_R1FAA6 UniRef90_B5EPN7 UniRef90_L1IT99 UniRef90_A4G2W3	FK T D Y D E R L K D P H Y K K H V S G V V E T V N T A L D N L H D L E K I L D M S E Q R V R L F N S V I L I A T N L D T M E V L L P R V Y M A V K M G D M L G M L V S F A D D P D N M K Q Q V N A G N Q A N G S Q Q Q S L A S A V F A Y A A N L D N Q A A L A P V I
UniRef90_UPl0002D96876 UniRef90_UPl00036B6008 UniRef90_UPl00047B5821 UniRef90_UPl0002D6218A	T H Q A N G G Q P R A L A A A V L A Y V Q L R Q D P E R V R E V L P A M D V Q R D R L F Q A L T T I V F R L D D P D S L L S N Q K N D R Q S Q A L A T A V Y A A A A H L D R L E E L K P T L S N Q R N G D Q R E A L F N A I C G Y A S N L D N L G A L L
UniRef90_F1YMN1 UniRef90_S1STT9 UniRef90_K6WGP8	NRTNQATGGQPQVLAGAVAAFARLQLEPD AERMRFVI ELDVQRERL VRALLRIVELVDDPDNLVAFG DTRVQAFMIRIAVVSVIDHIEDAFTNI
UniRef90_Q9PWH6 UniRef90_E1SVJ2 UniRef90_X6NHD5 UniRef90_J3NI61	F G N L N A E A I K S N P N L A A H G V T V L H G L D R A V K N M D N I K A T Y H S G R Q P A A L F D A I A A Y G T H L E D L S V L T A A V L K E V E M S R L F L Q T R I E K Q S D A F M I M L N T V V G Y L D D L S T L L V N Q K S G R Q P R A L T Q V M L S F A N N V S H T S E L I P T L
UniRef90_E5S5G3 UniRef90_E5S1J9 UniRef90_N9VQK2 UniRef90_R7Q9J3	VSALDTEMALNSTRLHRHTMIFQDVIDILMVNISNVDVNIFRTVPVDQLRNNALFTRQAAIFADFIDCAIDNGNLIMELSHSGGQPVALFNA IAAYAQHLDNLAALTGAVSSSCPMSHHKLDIEISAQAQILADSILSFCANVNNMEAVL
UniRef90_C5MIG9 UniRef90_A1W750 UniRef90_B6H973	E T H H K L L R Q P R A F I Y T L T Q F A K N L S P L K E V L  A H Q A N G D Q P R A L A N S V L MY A R N I E R L E A L G P L V  A N Q A S G H Q A R A L A G A L  Y A Y A L H I D D L A A L G P A V
UniRef90_H6R781 UniRef90_UPI000374A41B UniRef90_S3NKS7 UniRef90_M3K1V2	PAMDMQPKRLVTAIQYMLDHLDRAQKFL GNQGNGEQQKALAGSIAAFAGLLLEKPDRPDAML DSQTSGRQPRALAAAV LAYAEHI ENPAALAKAV ETNNKLLRQPRAF SYFLLMYARNI RDLTPLQHTL
UniRef90_Q9BKE9 UniRef90_I2JL97 UniRef90_C1P638 UniRef90_R1C7Y7	VRGDNIY  SPEFRAFGMRVASGLDMVLSLSDDFQAAL  INSQADYK GRKLVALLGTAVHSLDNIDGLV  LKFVGSKPDRKNNEFAFQAMRFMQVIEGAVKALDHLTSLL  FADGR
UniRef90_W2TM49 UniRef90_UPI00046EF76E UniRef90_L1IS81	ETNNKLLRQPRAF SYFILLMYARNIRDLTPLQHTL VRGDNIY SPEFRAFGMRVASGLDMVLSLSDDFQAAL INSQADYK GRKLVALLGTAVHSLDNIDGLV LKFVGSKPDRKNNEFAFQAMRFMQVIEGAVKALDHLTSLL FADGP AGRARFKLHTLNVMQTLSAAVSDLGSLAPVL AESFTADDVEKSERFEKQGQRILLAVHLADTFDDFRAYA GNQAQGEQQKALAGAIAAYASLL VSEDAPNIDAMM FTNQTV QGTKFVDMLSSIVENINNPQTIV FNRANQASGAQREALAGAVAAFATTLVERPG ERPDAVL DLAHQRHNF AHALSWLL TELIAQADEPVAFL ERFKTKFQQASSMFIQEHAMNVMKTVDFAILRFIDNVDGYL
UniRef90_D9XN99 UniRef90_W9B3A8 UniRef90_E0VLE5 UniRef90_UPI0003A3DAE3	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 P G E R P D A V L D L A H Q R H N F A H A L S WL L T E L T A Q A D E P V A F L F R E K T K E Q Q A S S M E L Q E H A M N V M K T V D E A I R E L D N L D G Y L N M Q Y Q E D K L L A A L G H M I T N M D N N D T L A
UniRef90_J0XMW3 UniRef90_L8J7F0 UniRef90_B7G0J4 UniRef90_A3QRJ2	FREKTKEQASSMELQEHAMNVMKTVDEAIRELDNLDGYLNMQYQEDKLLAALGHMITNMDNNDTLA LSNLPYYEIRKNPLFKLHVKAVETTLSFVMLHLYNPTAML SNQRNGD QREALFNAICAYANNIDNLAVLL SNMEVQAQKLYVIRVAVRFLDNVQELIPVL VNVDNFE SPEFNGHIMRVMGGLDVLVNYLEDLDSLL
UniRef90_A0A016UET9 UniRef90_E5S1Z7 UniRef90_D3SMH6	AESFTAEDVQKSERFDKQGQRIMYIVADTFDDEPTFRAYAVK QELQSNPELEYHAQRVMSVLDQAIHLIGDADSFFEGDNSKKLAG ALLAVAHNLERLDVLETSFLDDVPINRIRENQAFKKHAANFALVLDLVIKNIPDNCQALVNQKKGAQPTALATTVLAAAK HIDDLSPLIGHV
UniRef90_H3DWP6 UniRef90_A7TEW0 UniRef90_UPI000349B039 UniRef90_E9SZ18	VNQKKGAQPTALATTVLAAAK HII DDL SPLIGHV  TEMNKQYKKLVNDLVLVVENLRNPEALF  AGMDAQRAKLVSAVEFLVRGLDDTDRLL
UniRef90_UPl00035EE935 UniRef90_Q1H3M8 UniRef90_Q7Z1R4 UniRef90_A7BLB8	A S M E F R A H L A R A F W Y L I E N L H R P G E V A A Y F M G N Q A N G L Q Q S L A A A V F A Y A A N L D N P A A L V N V N V A N M S S G A F H A H A V R V L S G L D S Y L N D A A T L T S L I N A P K N O N O L L A R S L L A Y A F N L D N A V L F G A L
UniRef90_U1MLI9 UniRef90_UPI00029DD19B UniRef90_U4UIV8	A G M D A Q R A K L V N D L V L V V E N L R N P E A L F A G M D A Q R A K L V S A V E F I V R G L D D T D R L L A S M E F R A H L A R A F W Y L I E N L H R P G E V A A Y F M G N Q A N G L Q Q Q S L A A A V F A Y A A N L D N P A A L V N V N V A N M S S G A F H A H A V R V L S G L D S Y L N D A A T L T S L I N A P K N Q N Q L A R S I L A Y A E N I D N L A V L E G A I D N S S A D R H M R H F L G L L Q C A V D N L N D M E K A L G P A Q I K K Q C K X V A D M L T N A V Y H L D D M P N D V F K S K S K E D Q A T S L E L A E H A T T V M S T L D E G I K G L D D L D T Y L F Y N N L T M I P G V E K L K H Q A I S F A G V M N S A V V N L G D L A A M L T G V Q P A A I A G S
UniRef90_F2QYV1 UniRef90_J6EMT4 UniRef90_C6X7A9 UniRef90_A0A016WXP2	T Y N NIL I I MIL P GIVE K L K H Q A L S F A G V M N S A V V N L G D L A A M L T G V Q P A A L A G S S V L A Y A Q N I K D L S P L T P V V A N G S Q Q Q S L A A A V F A Y A A N V D N A D A L A P V V P A D T D L S E M Q Q C K Q F Q V Q A H R L Q N F L D T A V S T L G F V L S M A
UniRef90_E9F633 UniRef90_I0HCX7 UniRef90_W2TME1 UniRef90_Q75ZP6	T GVQPAALAGS ANGSQQQSLAAAV  PADTDLSEMQQCKQFQVQAHRIQNFLDTAVSTLGFVLSMA ANQLNKLQPKAMASLIQ SAQATGE QRSALSGAVAAYAQNIKDLSPLTPVV  PADTDLSEMQQCKQFQVQAHRIQNFLDTAVSTLGFVLSMA ANQLNKLQPKAMASLIIQ FANNVSHLYELIPKM SAQATGE QRSALSGAVAAYAAHLIQQGPRGEHVV  NSGEFEAHSLRIINTFDLLVNLLQDRHALH
UniRef90_X6EW29 UniRef90_F9ZNC3 UniRef90_E7BQB9	GTG AQGAMLSHMLRTVVSGLEHVPAGL
UniRef90_R8ZTT5 UniRef90_Q14SM6 UniRef90_M3V615	NLGGDAKIAAQGLKVMTFVDGVVKGLDDMKASI QNTDMETQAKKLLAMFGKTIERLGNLNQIL FAHQSDDALKANAEFNKQVDVIVSGLVTLVSNVNNPAALI GVSMAAQHEAFHRVIDHVLEAIPAATGHTELVE

		00	100	440
UniRef90 Q2BYM9	EKI AHKH	TSFMII TAEC	100 QYNIIVIGSHIL	110 120 I  A T   <u>I  </u> D E   <u>L  </u> L  P G Q D  V <u>L  </u> D A
UniRef90_G7YFM1	CELGARH	AAVGMKLEY	/ F K V F K Q A I	LMTW EALMTEDVRRA
UniRef90_E6R2I3 UniRef90_Q5D2M7	E R L A H K H	T S L H I T A N C	QYKHLIQSI DEUSGEPUE	V D L L G D A V T P E V A D A L D F F N K T L S K P E N K A A
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UniRef90_F2Q9X1 UniRef90_S6EG67	NGIGKPH	ADMKII ARLGIEVPI	H F F V M G V A F	LKTLQD <u>R</u> FGTVELEQV
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UniRef90_M3UR57	HALGRRH	AELGVTRP	ΛΥΑΑΥΑΕ <mark>Ο</mark> Μ	I A A M S E I G G N D A M T E A L A A I Q E V T G L K A D D Q T
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UniRef90_E5S1J9		T C F MII IO D O (	1 //	FDLVENVTSRKRSTNA LDCIRQYC
UniRef90_N9VQK2 UniRef90_R7Q9J3	ERIAHKH TRI <mark>C</mark> SKH	VS R S V Q A E	Y HI V G I H L Y V V V A K <mark>C</mark> F	L A T L K E L G G T D G L L A A S E A V Q Q V I G D E E E R G A
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UniRef90_C1P638	DNLGRRH	GKLEVNGK	/ WSVFLE <mark>C</mark> S	]I   Y
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UniRef90_Q1H3M8 UniRef90_Q7Z1R4	K K II V H K H S H L A T O H	A A V GILK PER	1 Y P [	MTVLP ALIDNENPDA
UniRef90_A7BLB8	EKIAKRH	LETEVKSE	YPWVIESL	MTVLPALIDNFNPDA LQAMVDVLGTDAVKEA LVTAVSEAPGKSDTVKA LVTLAAAHLPTPAVHAS LEAVETTLGTSNVENI VKTFRDRYSKDELEEL MGAIIKTVLGTPDLQEA LGAIIKTVLGTPDAKMA LGAIIKTVLGTPDAKMA LEAFTGILMTPDAKMA LRAVGTVLGTPEVGAKA LRAVGTVLGTPEVGKKA IKALA
UniRef90_U1MLI9 UniRef90 UPI00029DD19B	SELRKI H	GGFSIIRSKI	WUAFGEAL LLSH <mark>C</mark> L	V I A V S E A P G K S D I V K A L V T L A A H L P T P A V H A S
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UniRef90_F9ZNC3 UniRef90_E7BQB9	KELGVGH	IIIR Y D T R P E I T G Y G A K K A I	Y P I V G K S L	L L T L K H F L G T T A M A E S L A A L A E V C G T P A S K D A L Y A L E K S L G N A E W K S I H L Y L A K T L N D S D E A K S
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21 III 7 E130 _ IVI3 V O 13	AGILIGRUM	N N I GIVIE FE	I I IIII IIVI I O ALL	

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UniRef90_W9B3A8         A G D T V A L L V G V M R G A E R I Y N I T I K L I T T L W A A A Y E K V A K L M A A Y E K V A K L M L A W A A Y E K V A K L M L A W W V L T F I G N T M A D A W W W L T F I G N T M A D A W W M L T F I G N T M A D A W W M L T F I G N T M A D A W W M L T F I G N T M A D A W W M L T F I G N T M A D A W W T A A Y E E I A N W I I K W A A F I G N T M A D A W W L A A Y E K V A K L M L L I T T T M W W T A A Y E E I A A W W L A A Y E E I A N W I G E A Y W S L A N L L I I E E W W T A A Y W W L A F I L W W W A A A Y E E K V A K L M L L I T T T M W T H L W A A F N K V L K E H W T A Y W M L A N M F I A W W L A N M F I A W W L A N M F I A W M L T T T T M W M A A Y W M L A N M F I A W M L T T T T M W M L T T T T T M W M L T T T T T T T T T T T T T T T T T T		
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UniRef90_A7C4X7 UniRef90_W2T4S9 UniRef90_R1FVY8 UniRef90_R1FVY8 UniRef90_A3LTH5 UniRef90_A3LTH5 UniRef90_A0A023XDM9 UniRef90_R9RY66 UniRef90_U6DK15 UniRef90_U6DK15 UniRef90_K2K1I7 UniRef90_W2EJIMS UniRef90_UP100037E85FD UniRef90_Q0C3R3 UniRef90_Q0C3R3 UniRef90_W2EJIMS UniRef90_A0A059FKB2 UniRef90_UP1000477EAB6 UniRef90_V4A0S1	DAIINHRHCALLEILLPD MRIGRVHAKRG NDIHENQRFANVTVL SGLMATHKTRNVDPA A SHDGYGTPRE QXXAQSHAKHKIPVK KPLAQSHAKHKIPVK KPLAQSHAKHKIPVK KPLAQSHAKHKIPVK CEFKEVFTDNGIPMKT A SHDAYGTSPQ SHDAYGTSPQ SAARFSHGGYGVVDE YGIGKRHARLGIQAP RDLAEAHRGMGITPE RSERVNHDTYLIGILDAT	HYPVVHDHL ELNGKL YLEPMGEL LFIAFFAVI YLEFIAFFAVI YLEFIAFFAVI YLEFIAFFAL LFTAFFTLI EFDIMFASI SFEEMGVAF HYAKVGEHL MFEVFFDUAL	R D A L R D L L G D P E L A Q A  I Q V L Q R K H S G D D A Q A A  L A A M E K H A G G A E Q K K E  V E V F A E F G G E D E L E K A  R D T L R D L L G D E E L A Q A  R D V F R D L L G W T G T E E A  L K T F Q D R F G T W E L E E I

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