QUERY	1 1 10
UniRef90_O78310 UniRef90_V5G5W5	AKKAVAVLKGTSDVEGVVTLTQDDSGTTVNVRITGLTPGPTKAVCVLNGE VVKGTVFFNQADSPVEVTGEISGLGQGLAVKAVCVLKGESSVTGVINFEQQDNGVTLSGRITGLTEGKKAVCVLKGDGPVQGTVFFEQVGEPVELSGSIKGLAEGY
UniRef90_K7YBI9 UniRef90_G3VNM4	AVKAVCVLKGESSVTGVINFEQQDNGVTLSGRITGLTEGK KAVCVLKGDGPVQGTVFFEQVGEPVELSGSIKGLAEGY
UniRef90_L7UK81 UniRef90_C6ZRL9	K A V C V L K G D G P V Q G T V F F E Q V G E P V E L S G S I K G L A E G Y A K K A V C V L K G T G E V N G T V N F E Q E D D K V K L S G K I T G L T P G K S V K A V C V L K G D S E V K G V V H F E Q K D N K V H L T G E L T G L T K G L
UniRef90_T2B4T7 UniRef90_M4AT47	KAVCVLKGSGEVSGTVYFEQEDGPVIII KGNI KGLAAGK KAVCVLKGAGETTGTVHFEQENEPVKVTGEI SGLTPGD
UniRef90_UPI000328B494 UniRef90_Q000H3 UniRef90_A0A016SN38	MKAI CV L KGTGEVTGTVQFDQAGGGVTVKGSI TGLTPGK SNRAVAV L RGDAGVTGTVWFSQESDPCVI KGELKGLSPGL
UniRef90_E3TBQ4 UniRef90_B7PUC4	MKAVCVLKGTGDVTGVVHFEQESDPVTVKGKNTGLTPGL
UniRef90_B6CHW7 UniRef90_T1JAI9	S
UniRef90_G3LY18 UniRef90_K4AF55	A V S V L R G D G A T T G T V R F S Q K D G P V V V K G E I S G L T P G K V K A V V V L G S S E G V K G T I Y F T Q E G D G T T V T G S V S G L K P G L
UniRef90_E9CIP4 UniRef90_Q52JH6	KAVCVLKGDGPVQGTVFFEQEDDKKVKLSGKITGLTPGK  AKKAVCVLKGTGEVNGTVNFEQEDDKKVKLSGKITGLTPGK  SVKAVCVLKGSGEVKGVVHFEQEDDKKVKLSGKITGLTPGK  KAVCVLKKGTGEVNGTVNFEQEDDKKVKLSGKITGLTPGL  KAVCVLKGSGEVSGTVNFEQEDDKVKVHLTGELTGLTAKGK  KAVCVLKGSGEVSGTVYFFEQEDENEPVKVTGELTGLTPGL  TRAVCVLKGSGEVTGTVVHFEQENEPVKVTTGELTGLTPGL  KAVCVLKGSGEVTGTVVHFEQENEPVKVTTVKGSITTGLTPGL  TRAVCVLKGTGEVTGTVVHFEQESDPVTVKGSITTGLTPGL  SNRAVAVLRGTGDYTGVVHFEQESDPVTTVTGELTTGLLTPGL  SNRAVAVLRGTGTVVHFEQESDPVVTVTVTGELTTGLLTPGL  SVKAVCVLKGSEKTTTGTTVYFFTQAGPPVVVVTGELTTGLLTPGGL  SVKAVCVLKGSSEKTTTGTTVHFEQESDPVVTVTTGELTAGLTPGGK  SVKAVCVLKGDSPVTTGTTVHFEQESDDFVVTVTGELTAGLTPGGK  VKAVCVLKGGDSPVTTGTTVHFFSQEGDGTTTVTTGSTTSGLKPGGL  SVKAVCVLKGGDSPVTTGTTVHFFSQEGDGTTTVTTGSTTSGLKPGGL  KAVCVLKGGDSPVTTGTTVHFFSQEGDGTTTVTTGSTTSGLKPGGL  VKAVCVLKGGTGTTVHFFTQEGGDGTTTVTTGSTTSGLKPGGL  SVKAVCVLKGGDSPVTTGTTVHFFTQEGGDGTTTVTTGSKITSGLKPGGL  VKAVCVLKGGTGTTVHFFTQEGGDGTTTVTTGSSVTGGLKPGGL  TKAVCVLKGGDSPVTTGTTVHFFTQEGSDPVKKVTTGSSVTGGLKPGGL  KAVCVLNGE  VKGTIFFTQEGSDFVKKVTTGSVTTSGLKRQGGL  KAVCVLNGE  VKGTIFFTQEGSSDPVKKVTTGSVTTSGLLKPGGL  KAVCVLNGE  VKGTIFFTQEGSSDPVKKVTTGSVTTSGLLKPGGL  KAVCVLNGE  VKGTIFFTQEGSSPVKKVTTGSNVTTSGLLKPGDL  KAVCVLNGE  VKGTIFFTQEGSSPVKKVTTGSNVTTSGLLKPGDL  KAVCVLNGE  VKGTIFFTQEGSSPVKKVTTGSNVTTSGLLKPGDL  KAVCVLNGE  VKGTIFFTQEGSSPVKKVTTGSNVTTSGLLKPGDL  KAVCVLNGE
UniRef90_C5NS97 UniRef90_Q7QDP9	ALKAVCVLN NEPVKGTI FFTQEDSPVKVTGEI QGLEEGN KAVCVLNGE VKGTI FFEQESDPVKVTGSVTGLKPGD
UniRef90_UPI0003C2ADDD	TKAVCVLQGD CKGTLFFEQDGDAVKVTGQVSGLKQGLALKAVCVLRGDGPVSGVVNFEQDSGPVKLSGSIQGLSDGKVKAVAVAVVRGDSNVSGTVTFSQENEPTTISYNITGNDPNQ
UniRef90_Q52JH6 UniRef90_C5NS97 UniRef90_Q7QDP9 UniRef90_WF1VG5 UniRef90_UPI0003C2ADDD UniRef90_D5G966 UniRef90_U5DDV0 UniRef90_U5DDV0 UniRef90_F8R8R2 UniRef90_Q6B7T1 UniRef90_L8GDC4 UniRef90_M4PSX3 UniRef90_E5RZT8 UniRef90_U5EW44	VK A V V V L G S S E G V K G T I Y F T Q E G D G T T V T G S V S G L K P G L  T K L V A V L K G D G A V K G T I V F T D D G A A T K V E G T I E G L A P G K  S V K A V C V L K G A G E V E G T I H F S Q T D G P V T V T G K I S G L E E G G N  A L K A V C V L N G E  T K A V C V L N G E  C K G T L F F E Q D G D A V K V T G G V S G L K Q G L  A L K A V C V L Q G D  C K G T L F F E Q D G D A V K V T G G V S G L K Q G L  V K G T I F F E Q D G D A V K V T G G V S G L K Q G L  V K A V C V L N G E  V K G T I F F E Q D G D A V K V T G G V S G L K Q G L  V K A V C V L N G E  V K G T L F F E Q D G D A V K V T G G V S G L K Q G L  V K A V C V L N G E  V K G T I F F E Q E S D P V K V T G S V T G L K P G D  K A V C V L N G E  V K G T I F F E Q E G S P V K V T G S V T G L K P G L  V K A V C V L N G D S N V S G T V T F S Q E N S P T T I S Y N I T G L K P G L  K A V C V L N G E  K A V C V L N G E  O V D G T A F F E Q N G G P V R V H G K I S G L K P G L  M K A V C V L R G D A A V E G T V T F S Q E N E A V T V N A V F T G L K P G K  S I K A V A V L I G E  K A I C V L R G E  N V T G T V T F K Q E D D K T F I T G E I K G L T P G K  S K A V T V L K G E  Q V S G T V T F F E Q E E D G V T V T S G E L K N L T P G C  S K A V T V L K G S S E V T G V V R F E Q E E D G V T V T G L T D G K
UniRef90_F8R8R2 UniRef90_Q6B7T1	KAVCVLKA GDVDGTAFFEQNGGPVRVHGKISGLKPGL MKAVCVLTGPSDVHGTVTFSQENEAVTVNAVFTGLKPGK
UniRef90_L8GDC4 UniRef90_M4PSX3	MKAVCVL TGPSDVHGTVTFSQENEAVTVNAVFTGLKPGK ATKAVCVLRGDAAVEGTVRFSQTDEPTTII DVEIKGLKPGP SIKAVAVL I GE TVKGVVHFEQEGSPVHI TGEVKGLTPGLKAICVIRGE NVTGTVTFKQEDDKTFII TGEIKGLTPGLKARAVCVLNGD VQGTIIYFEQNGDAVKVSGEVTGLKPGQ SKAVTVLKGE QVSGTVTFTQTEPPVTVSGELKNLDPSQ MKAICVLKGSSEVTGVVRFEQEEDGVTVTGQIITGLTDGK KAVAVAVPSGSENVKGVVHGTIHFEQQNGPVVVKGRITGLKPGL
UniRef90_E5RZT8 UniRef90_U5EW44	KAII CVI RGE NVTGTVTFKQEDDKTFI TGEI KGLTPGK ARAVCVLNGD VQGTI YFEQNGDAVKVSGEVTGL KPGQ
UniRef90_UPI0004621924 UniRef90_C1C4J6	SKAVTVLKGE QVSGTVTFTQTEPPVTVSGELKNLDPSQ MKAI CVLKGSSEVTGVVRFEQEEDGVTVTGQITGLTDGK
UniRef90_Q9AR80 UniRef90_G5BEA6 UniRef90_C3ZM91	MKAI CV LKGSSEVT GV VRFEQEED GVTVT GQI T GLT D GK KAVAVPSGSENVKGVLHFT QEGNAT KVFGRI T GLKPGL ATKAV CV LKGDGPVHGTI HFEQQNGPVVVKGRI AGLNEGQ SLKAVCVLVGE TVKGTVTFT QSDSPVEVT GTI SNLPPGK
UniRef90_O48654 UniRef90_Q7YXL9	SLKAV <mark>C</mark> VLVGE TVKGTVTFTQSDSPVEVTGTI SNLPPGK KAVAVLKGNSPVTGTVVLVQEDDGTQVSVKI SGLAPGK VKAV <mark>C</mark> VLSPGSGI TGTI TFTQETSGTLVSGQVKGLAPGK
UniRef90_A0A016SM91 UniRef90_P24669	S N R A V A V V R G D G I N G T I W F T Q E T D P C L I Q G V I Q G L P P G H K A V V V L N G A A D V K G V V Q F T Q E G D G T T V T G K I S G L S P G L
UniRef90_M0U200 UniRef90_E0W322	L K G N S D V E G V V T L V Q E D N G T T V N V R V T G L T P G L  A A K A V C V L T G D K V K G V I N F S Q Q S D P V V I S G E V S G L T E G K  S K K A I V F L Q G T S G V S G N V T L S Q P S E P V L I E V S I I G L S P G K
UniRef90_Q176T4 UniRef90_A0A023NFG9	SKKAI VELQGTSGVSGNVTLSQPSEPVLIEVSI TGLSPGK VKAVCVLLPNGDVKGTVHFEQKDDSCRIHGEVTGLTPGR
UniRef90_P28755 UniRef90_Q8GZP2	A A K A V C V L T G D K V K G V I N F S Q Q S D P V V I S G E V S G L T E G K S K K A I V F L Q G T S G V S G N V T L S Q P S E P V L I E V S I I G L S P G K V K A V C V L L P N G D V K G T V H F E Q K D D S C R I H G E V T G L T P G R V K A V C V I N G D V K G T V H F E Q Q D S P V L V T G E V N G L A K G L K A V A V I T S S E G I S G K I F F T Q E G D G T T V T G S V S G L K P G L A K S A I C V L E G I V K G T I K F E D I G D G T H V S G K I T G L P P G K
UniRef90_I3V7W8 UniRef90_Q5KIW7 UniRef90_A0A034WMM4	A T K A V C V L K G D G P V H G T I H F E Q Q N G P V V V K G R I A G L N E G Q S L K A V C V L V G E T V K G T V T F T Q S D S P V E V T G T I S N L P P G K K A V A V L K G N S P V T G T V V L V Q E D D G T Q V S V K I S G L A P G K V K A V C V L S P G S G I T G T I T F T Q E T S G T L V S G Q V K G L A P G K S N R A V A V V R G D G I N G T I W F T Q E T D P C L I Q G L P P G H K A V V V L N G A A D V K G V V Q F T Q E G D G T T V T G K I S G L S P G L L K G N S D V E G V V T L V Q E D N G T T V N V R V T G L T P G L A A K A V C V L T G D K V K G V I N F S Q Q S D P V V I S G E V S G L T E G K S K K A I V F L Q G T S G V S G N V T L S Q P S E P V L I E V S I L G L T P G R V K A V C V L N G D V K G T V H F E Q K D D S C R I H G E V T G L T P G R V K A V C V L N G D V K G T V H F E Q Q D S P V L V T G E V N G L A K G L A K S A I C V L E G I V K G T I K F E D I G D G T T V T G S V S G L K P G L V K A V A V L K G D S H V Y G T I T F T Q D S E G V C V S G E I K N L A D A K M E A I A Y L A G T S T V K G N V T F I Q N G E N V H V R V Y L E G L T P G K
UniRef90_Q9C0N4 UniRef90_D6PYE6	VKAVAVLKĞDSPVTĞVİTFTQEKEĞVTVSĞDIKNLDANE _KAV <mark>C</mark> VLTGSSDVTGVISFVQDGSGTSVEGELKGLNPGK
UniRef90_Q751L8 UniRef90_D8R9M4	K A V A V I T S S E G
UniRef90_UPI000455E905 UniRef90_H2YL26	K A V V V L K G D S A V S G T V T F E Q S S G A V S V S G K I E G L D P S Q A I E A V C V L K G E Q G V T G L V K F S Q Q A D G C K I T G E L T G L A A G K
UniRef90_Q6C662 UniRef90_C1LNY3 UniRef90_UPI00044324E5	MKAVAVLKGDSKVSGIVIFEQESGPVIVIFDGNDPNE MKAVCVMSGSAGVKGVVNFTQTDGPVHIHGEFSGLKPGK
UniRef90_UP100044324E5 UniRef90_L7XA69 UniRef90_C4WTR6	VKAVAV L KGPGOVSGNVTFLOAGGPVMLTGVVSGLTFGP
UniRef90_F1N8Q1 UniRef90_H9BEW2	KAV <mark>C</mark> VMKĞDĞPVEĞ <u>ÜVİHFQQQĞĞĞĞVKVİTĞKİ</u> TĞLİSDĞD AKAV <mark>C</mark> VLKGD
UniRef90_G8BH83 UniRef90_C8CBN9	VKAVAV LRGDSNVSGVVRFEQESEPTKVTYEI SGNDPNQ AKCVLVSD AVKGVITFKQDKKTVTVTGSI SGLKPGQ
UniRef90_Q63ZZ7 UniRef90_I1C456	A A V A M M S G E G S I   Q G V V R F   Q T S N T C   I   E G T L D G L   S P G L V N A V A V L K G N D V S G V V K F S Q E N D P V L V E A S F T G L K P G K
UniRef90_M1HJ40 UniRef90_G4T8J7	QALLAV LIPGD VISGIVKFVEEGKKVRVDLDI KGLKPNF ATAV LRGDAGVNGTVYFRQSGSKVRI TGKI LGVDKNL
UniRef90_E2BYV3 UniRef90_D4PBQ4 UniRef90_UPI0002B4D054	MSGSSGVQGTVRFVQESEPVHIKVDINGLKPGK
UniRef90_A7TG62 UniRef90_M7SKN2	VKASVILSGTAGVSGTVHFEQENDPTSISYEIKGNSPNLVKAVAVAVLRGDSKVAGTVTFEQESDATTITFDIAGHDPNK
UniRef90_M7ASH7 UniRef90_M4CD52	A A V A M M S G P S E V Q G V V R F E Q V P E K C E I E G T I D G E P G E R A V A E I A G D K N I R G C L Q F T Q T S G T T H V T G K I S G E S P G F
UniRef90_B0B552 UniRef90_H2LVF3	VN A V A V L K G D S N V S G T V R F E Q E S E S T K I S WE I T G N D A N L A A V A M L S G A G S I Q G V V R F L Q L S E K C L I D G T L D G L E P G C
UniRef90_M1HQD7 UniRef90_F0UXR6	KAII AV L VIGS VIS GTVR FEEEGS KVKII SVD MAGLT PNKVKAVAV LRGDS KVS GEVT FEQSSEPTTI SVDIR GND PSE
UniRef90_G0W995 UniRef90_G3MNP1 UniRef90_H2W(43	VIN AIVAIV LING I A GIVIS GIV VIN F E QES DPIL VIS WEIL II GNS PAM A K A V A V L G G S E G V K A T F L H Q D G D G P T L V S G T V S G L K P G L S N P A V A V L G G S E G V V S G T L WILL D G D G P A T L S G T V S G L K P G L
UniRef90_H2WL43 UniRef90_R4FMI6 UniRef90_C1FI38	AKAVAV LGGSEGVKATFLHQDGDGPTIVSGTVSGLKPGLSNRAVAVLRGD VVSGTIWITQENEPATIQGEIKGLTPGLRAIVVLRGEDPIFGNVTFHQKYNVVAITGTIVGLSEGKKAVCVLTGTAGVEGVVTFTQSGDGTKVVGDIKGLAAGK
UniRef90_C1F138 UniRef90_I1FBW5 UniRef90_A7S2P2	A RAV CLLAS S D DV K GT I L F T Q N G D G T K V T G K V T S K D G D Q A V C C M S G T E G V K G T I K F V Q E A E G C K I T G T I E G L K A G N
UniRef90_E9GNE8 UniRef90_P81926	V  K A V A V L N G T A G V S G V V H F E Q E S D P T L V S WEI T G N S P A M A K A V A V L R G S E G V K A T F L H Q D G D G P T L V S G T V S G L K P G L S N R A V A V L R G D V V S G T I WIT Q E N E P A T I Q G E I K G L T P G L R A I V V L R G E D P I F G N V T F H Q K Y N V V A I T G T I V G L S E G K K A V C V L T G T A G V E G V V T F T Q S G D G T K V V G D L K G L A A G K A R A V C I L A S S D D V K G T I E F I Q N E Q G T K V T G K V T S L A P G D Q A V C M S G T E G V K G T I K F V Q E A E G C K I T G T I E G L K A G N A S A V C V L L G E T V K G V L H F D Q Q G D V I N V K G E V T G L T P G D S I K A V C V L V G S V K G T L N F K Q D A G S C T V T G E V S G L I P G K K A V A V L A G T G V S G V V S F V E D G E G T T V S G K I T G L V S G E Q A I A Y V S G P E V K G N V T F T Q N D C G V H V R I Q L E G L K E G K
UniRef90_D8RT63 UniRef90_B3MFB5	KAVAVLAGTG VSGVVSFVEDGEGTTVSGKITGLVAGE QAIAYVSGP EVKGNVTFTQNDCGVHVRLQLEGLKEGK

UniRef90_UP100044324E5 UniRef90_L7XA69 UniRef90_L7XA69 UniRef90_E4WTR6 UniRef90_F1N8Q1 UniRef90_G8BH83 UniRef90_G8BH83 UniRef90_Q63ZZ7 UniRef90_I1C456 UniRef90_M1HJ40 UniRef90_M1HJ40 UniRef90_E2BYV3 UniRef90_E2BYV3 UniRef90_D4PBQ4 UniRef90_UP10002B4D054 UniRef90_M7SKN2 UniRef90_M7SKN2 UniRef90_M7SKN2 UniRef90_M7ASH7 UniRef90_M8552	H G F H I H Q F G G D T T N G C C T S A G G P H F N N P F I K K K K K K K K K K K K K K K K K K	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		HESEDSHEVEHHELT EVQDHHARSHHARHPHTTHKHHHARHARQRDHAQHLHHARSHHSSSSTPHAAQHDHKLPSSLHAHHARHHAHHAHHAHHAHHAHHAHHAHHAHHAHHAHHAH
Ref90_I1C456 Ref90_M1HJ40 Ref90_G4T8J7 Ref90_E2BYV3 Ref90_D4PBQ4 Ref90_UPI0002B4D054 Ref90_A7TG62 Ref90_M7SKN2 Ref90_M7ASH7 Ref90_M4CD52	HGFHI HEFGDNINGCLSAGPHYNPHG HGFHVHSAGDLTDGCTSACAHFNPFG RGFHI HEFGDLSDGCTSTGSHFNPTS HGFHVHEKGDLTKGCNSAGPHFNPYM HGFHVHAYGDTTNGCLSAGPHFNPTG HGFHI HALGDTTNGCNSTGPHFNPLK RGFHI HEFGDLSNGCTSAGTHFNPFN RGFHI HFFGDNTNGCTSAGTHFNPFN HGLHVHEFGDNTNGCTSAGTHFNPN	XTQVVKKKERKKKKKKKKKK  VTNDDTT <mark>O</mark> VTQNQTVTSDNE	KIVTHGGGPPPLQPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	KIHGGPEAK IVHGGGPEAS QCPEAS QCPEAS VDPSDDPS VDPSDDS LDDPSDDS LDDPSDDS KTHGGGPPGDDE KKTHGGGPPGDSKTK KCHGGGPPGDSKTK KCHGGGPPGDSKTK KCHGGGPPTDDDE KKQHGGAPPTDDE KKQHGGAPPKD KKQHGGAPPKD KKCHGGGP

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F8R8R2 Q6B7T1 L8GDC4 M4PSX3 E5RZT8 U5EW44 UP10004621924 C1C4J6 Q9AR80 G5BEA6 C3ZM91 O48654 Q7YXL9 A0A016SM91 P24669 M0U200 E0W322 Q176T4 A0A023NFG9 P28755 Q8GZP2 I3V7W8 Q5KIW7 A0A034WMM4 Q9C0N4 D6PYE6 Q751L8 D8R9M4 UP1000455E905 H2YL26 C4C662 C1LNY3 UP100044324E5 L7XA69 C4WTR6 F1N8Q1 H9BEW2 G8BH83 C8CBN9 CG3ZZ7 I1C456 M1HJ40 G4T8J7 E2BYV3 D4PBO4
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VVSKKVVKKEQTVTKKTTTDETTYETKTKSASEKQETTKTTVSSTSVESTSVESTSKVRTKTERSEQSTMEYEFT
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NHHHLUHHNAQXXHXFYDZHXHRYDFXREXHWDHHHZRYY <mark>O</mark> WRZ PPPPAPPERPPPEKPPQ0REPPPKPAPYEEUDPV0APPAEVPKPVV PPPPAPPERPPPEKPPQ0GGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
$\begin{array}{c} V V L V V V M L I V M L V L L V I V L M \\ A T A A A T T T S A A A T T T T T S T M A A A \\ A C C C C C C C C$
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Uning 690 V 595 W 5	QUERY UniRef90 O78310	P	ΑK
Unicago   Cayumat	UniRef90_V5G5W5	P D D   L   G K G G H E   L   S K S T G N A G A R   L   A <mark>C</mark> G   V I   G   I	ΤK
Unicago CSZR19  E D D L G K G G H E S K T T G N A G G R S A G Q V I G I T Q Unicago (1) Languago	UniRef90_G3VNM4	P D D   L   G K G G N E E S E K T G N A G P R   L   A C G   V I   G   I	ΑK
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UniRef90 B7PLC4  PD D L G K G G H E L S K T T G N A G A R L A C G V V G V T K  UniRef90 B7PLC4  PD D L G K G G H E L S K T T G N A G A R L A C G V V G V T K  UniRef90 CS C S C S C S C S C S C S C S C S C S	UniRef90_Q000H3	F D DII IG K G F D F F S T R T G N A G S RII IA <mark>C</mark> GIV I IGII	
UniRef90 B7PLC4  PD D L G K G G H E L S K T T G N A G A R L A C G V V G V T K  UniRef90 B7PLC4  PD D L G K G G H E L S K T T G N A G A R L A C G V V G V T K  UniRef90 CS C S C S C S C S C S C S C S C S C S	UniRef90_A0A016SN38 UniRef90_E3TBQ4	T D D  L  G K G K K E E S  L  K T G N A G A R S A <mark>C</mark> G  V      A     E D D  L  G K G G N E <u>E</u> S  L  K T G N A G G R  L  A <mark>C</mark> G  V    G	
Unixer900	UniRef90_B7PUC4 UniRef90_B6CHW7	P D D L G K G G H E L S K T T G N A G A R L A C G V V G V E D D L G R G G H E Q S K I T G N A G G R L A C G V I G I	
UniRef90 _GR46F55	UniRef90_T1JAI9 UniRef90_G3I Y18	PDDLGKGGHELSKTTGNAGARVACGVIGI	
UniRef90 C52JH6  WR D D L G K G G H E L S L K T T G N A G G R L A C G V I G L T K UNIREf90 C70DF9  P D D L G K G G H E L S K T T G N A G A R L A C G V I G L T K UNIREf90 C70DF9  P D D L G K G G H E L S K T T G N A G A R L A C G V I G L T K UNIREf90 C70DF9  P D D L G K G G H E L S K T T G N A G A R L A C G V I G L T K UNIREf90 C70DF9  P D D L G K G G H E L S K T T G N A G A R L A C G V I G L T K UNIREf90 D5G96  UNIREf90 D5G966  UNIREf90 D5G966  UNIREf90 D5G966  UNIREf90 D5G966  UNIREf90 D5G966  UNIREf90 D5G967  P D D L G K G G H E L S K T T G N A G A R P A C G V I G L S K UNIREf90 D5G968  UNIREf90 D5G968  UNIREf90 D5G968  UNIREf90 D5G969  UNIREf	UniRef90_K4AF55	PDDLGKGGHELSKSTGNAGGRIACGWLGW	/ S
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UniRef90_048654   E D D L G K G G H E LLS L S T G N A G G R L A C G V V G L T UniRef90_A0A0165M91   UniRef90_A0A0165M91   T D D L G K G G N D E S L K T G N A G A R I A C G V V G L T UniRef90_M0U200   UniRef90_M0U200   E D D L G K G G N E LLS K T G N A G A R I A C G V V G L T UniRef90_A0A023NFG9   UniRef90_040A023NFG9   UniRef90_050GZP2   UniRef90_050GZP	UniRef90_G5BEA6 UniRef90_C3ZM91	E D D L G K G G N E E S T K T G N A G S R L A <mark>C</mark> G V I G II E D D L G K G G F E D S L T T G H A G G R L A C G V I G II	
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UniRef90_T1J9L3 UniRef90_P41963 UniRef90_E0VES	1
UniRef90_F0XK55 UniRef90_J9JB48 UniRef90_J3MNV4 UniRef90_W6E877	VKAVAV LASSEGVKGI I FFSQEGDGVTVTGSVSGLRPGLALKAVCVMKSK EVNGVI YFTQESSPVKLTGELTGMADGK
UniRef90_O16863 UniRef90_UPI00022C9128 UniRef90_I1MNV0	N G D A K G T IV F F E Q Q A A P V K IV T G E V T G L S K G L S S S A V A M L G G D N K I M G V I R F A E T P D G C L I D G T V D G L A P G K V K G V A I I J G D N N I R G S L Q F L Q H P N G T T V T G R V T G L S Q G F
UniRef90_Q5F4J9 UniRef90_E3MK76 UniRef90_B6QJA5	TKAIAVLKPDGTVDGTI VFTQEVGKVTVDIDI KGLTDGD AVAVLRGD DVCGTI WIKQSSEPAEI TGEI KGLTPGR VKAVAVLSGDSAVKGFVTFDQTDSLTTI SWNI TGSDPNK
UniRef90_D6X0S2 UniRef90_B6JW95 UniRef90_R4XDI7 UniRef90_K9K2G1	K A I V C L K S G D I D G K I T F T Q T A E G V Q V E G V I N G L P K G K V K A I A V L R G D S S V T G V V T F E Q P D E P V K V L Y D I K G N T H N L V K A V A V L R G D S N V K G T V T F T Q D S E P V E V N Y D L T G N D A S Q A R H A I C I L Y P D S N V Q G L V S F S Q Q S S P T Q I V A T I K G L N P N L
UniRef90_F4Ml32 UniRef90_S8A9M3 UniRef90_F8NYZ3	A
UniRef90_C5DH73 UniRef90_L8WXL9 UniRef90_UPI0003318216	SASAKAVLKANGTQIGVVNLYQASNPVKIJTADLKGLAEGK
UniRef90_A0A023GB04 UniRef90_Q6T3B0 UniRef90_E9GTP1 UniRef90_J9IFI6	R A V C Y A P G P V F M Q L F F V Q E S H S V V I T G D I T G L Q P G A V K A V C V L R G D S K I T G I V N F E Q E S D P T T I S W E I S N H A D A K V S A V V D I K G T T N V S G Q I H F T Q T G G P V I V R G T L Q G L T P G L Q A I C I L N A E K T A H G V V H F L Q N S Q K T R I Q G E F Q G L T P S K S I K A V A V I S G G D S V K G F I Q F I Q D P G G V H V K G R I S G L N P G L A I C I L N P D G G V S G L V K L V Q Q G D Q V T I T A T V N G L K T G L
UniRef90_A0A022RJT1 UniRef90_G0QQZ2 UniRef90_W0FUJ3	S N A V A V I S G G D S V K G F I Q F I Q D P G G V H V K G R I S G L N P G L A I C I L N P D G G V S G L V K L V Q Q G D Q V T I T A T V N G L K T G L A A Y A L C I L R P D G G V N G V V R F I Q Q A G G T R V I A E I T G L P A G L
UniRef90_H9J072 UniRef90_UPI000258E563 UniRef90_C1C2E3	A I C I L N P D G G V S G L V K L V Q Q G D Q V T I T A T V N G L K T G L  A A Y A L C I L R P D G G V N G V V R F I Q Q A G G T R V I A E I T G L P A G L  S R A I A F L S T E T I R G N I T F T Q V Q D G V H V Q G G I T G L P P G E  S S A V A M L G G N S K I M G V I R F A Q T P D G C I I D G T I D G L A P G E  V K A L C V L K G E K V N G T V T F E Q A D E N T T V S W N I T G H D A N K  T K A V C V L V G S A P G T I S F V Q N G G T C E I S G K V S G L T P G N  V K A I A V L K G D S K V S G V V Y F E Q S D E P V K V T G E I A G N D A N E  A V S M L G G N S G V R G V I R F A Q T S K G C I D G T V D G L T P G E  W K A I C I L T G T V S G T I E F R Q N N E H V H V I G K I I G L P K G L  V R A V A V L R G D S K V S G V V T F E Q V D Q N S Q V S V I V D N D A N A K  P G E V V G V V D F V Q E N A G V R L N G T I N G L T A G L  T K A I A I L K G D H G A S G T V T L V Q S A P K V T I I G E L Q G L D P A Q  S L K G V A L I S G D S A Q A G A L H F V Q D P G Y T E V R G R V S G L A P G L  A T A T A I L E D G S N V E G T I V F V Q S N G P V T L M G N I R G L P P N K  A I C I L Q S D H K V T G K V Y F K Q E G D K C K I R A E V K G L A Q G K
UniRef90_A1CAD8 UniRef90_E1CPU9 UniRef90_G7E7Y4 UniRef90_E2BK27	TKAVCVLVGSAP GTISFVQNGGTCEISGKVSGLTPGN VKAIAVLKGDSKVSGVVYFEQSDEPVKVTGEIAGNDANE AVSMIGGNSGVRGVVRFQF
UniRef90_R4ZFG3 UniRef90_P28758 UniRef90_H3E6A7	MKAI CILTG TVSGTIEFRQNNEHVHVIGKIIGLPKGL VRAVAVLRGDSKVSGVVTFEQVDQNSQVSVIVDNDANAK PGEVVGVVDFVQENAGVRLNGTINGLTAGL
UniRef90_S8EJL8 UniRef90_W5DYG7 UniRef90_A8NRB5 UniRef90_K5WVI0	TKAII AIL KGDHGASGTVTL VQSAPKVTI I GELQGL DPAQ SLKGVALI SGDSAVAGAL HFVQDPGYTEVRGRVSGL APGL KAVVV LQGTGTASGL VYFEQPHKPVKI TGNLTGLDANL ATRATAI LEDGSNVEGTI VFVQSNGPVTLMGNI RGLPPNK
UniRef90_Q22KB9 UniRef90_S9Q026 UniRef90_J3JZH3	M K A V A V L R G D T K V N G V V S F E Q E N E P V T V S V D L K G N D A N K A V A T I Q G N G T V S G G V Y F K E T P S G V E V S G T V T G L T S G L
UniRef90_A0A058ZE05 UniRef90_I3LT87 UniRef90_Q07449	A A V A V L N G L N G L K L V A T F S Q Q S S P T V T D [] E G S G I K P G L  A B A V A V L R G G S G P V Q G V V R F L Q C S C C T T [] S C S V S C L T P E R
UniRef90_H0EMK2 UniRef90_A0A023G585 UniRef90_I1CD36 UniRef90_L7NQ98	VKAVCKI RGDGKI TGTFTFEQESESTNI SWDI TGHDANE TDAVCVFQ IGTPRGYVKFHQDPGQVQLEGNI TQLAPGE SISAVAYLNSSS VNGLVYFYQEDSPTRI IANI TGLTAGE AVVYLSGASGVHGNI TFFQRDSQLQI SGFVHGI TPGK
UniRef90_X8JHM3 UniRef90_A0DNR4 UniRef90_Q54G70	TKÄVIMLKDGSPSSGSVELEDIGGTLHIVGQINGLSAGK AVAILQPDSGVSGIVKMISDGQSTTIQAKITGLSDGL MSAICVIKGDG VDGIINFKQNDNPVIISGVISGLKEGK
UniRef90_W2TQC0 UniRef90_V9LD73 UniRef90_K7IYR3 UniRef90_UPI00044155DE	S M R G V A L L N G N E T V S G V V WL T Q R Q D H V T J E G M I T G L K P N K A A V A M L G G R A D V Q G V V R F L Q V S E T C V V E G V I D G L S P G L A V S M L G G N S G I R G V V R F V Q T K D G C I V D G T I D G L S T G P
UniRef90_T1JX98 UniRef90_T1KY55 UniRef90_S7RJD9	A E A L I R G G S N V R G V I Y F Q N S W N G V G I Y G V V C G L R P G N  A R G I A D I R G S N K I T G S I S F E Q E D N N V I I R G K I L G L P P G A  T K A V V T V S G D S Q V T G M I T F T Q S S G A V T I K G E L K G L D P A K
UniRef90_A0S5T9 UniRef90_UPI000395D474 UniRef90_G9D321	ALVELQGN NIKGEIWFDQSNDATYIEGYISGVSPGK VRGLVRFLQLSPGCLVDGAVSGLPPGP NNVTGNLLIVQDGGPVIITGSIYGLSPGS
UniRef90_I6TSF0 UniRef90_E0VY69 UniRef90_E2BYV2 UniRef90_L8FTN0	NALIGULGESDKVHGII IFSQFSEAVL VQVELINGLISPGK NALIGOVI FRQT NDPVEI TGVI SGL SPGF NVTGNL KL VQSNGPVTI TGKI YGL SEGL VKAVATVHGDSKVFGTVTFF0ADFSTTI SWNI TGNDANO
UniRef90_UPI0003F07AFB UniRef90_H3F1B8 UniRef90_E2BMV6	K F D E D S E K S E I K I E L E G L S A S S S N H A V A V L R G E G V N G V V H I H Q E S E P A V L K G E I S G L T A G L L Q E G S N T V K V T G E V S G L Q K G L
UniRef90_UPI00044167B2 UniRef90_K7ISS8 UniRef90_K9W528 UniRef90_S4RR19	KAWAWLNGN IVKGTVTFSQSSGPVKI TGKVTGLDQNK NVIGTLKIVQSNGPVTI TGSVSGLKDGV KAVATLQPTNKAAGTI AFTQAGDSTSI KVDVTGL APGK AAVAOLSGDGAVRGVVRFVOUSPT
UniRef90_Q9XYS0 UniRef90_A0A016WBN4 UniRef90_D3TNI6	LVPGSDQLSGRLEIYRSYNGLTIVGTVSGLTPGK AVKGGNSKAIGIVDLTQIGTFVKLNGTVSGLKPGV AVAFLTGPAKPTGNVTFTQNGENVHVRVYLTGIAPGK
UniRef90_S4UCD8 UniRef90_H9J7J7 UniRef90_V5G8G1	V
UniRef90_V9LAH8 UniRef90_T1GPA5 UniRef90_B7PEF3 UniRef90_UPI000258E84A	T GVS GVS G TVT F E DE T E E V L T K G T I S GL S P G K S S A P V H V T G E I N G L S K G L T D A I C K L T A G G N L T G V L S F Q Q N D D L V T I I G D I S G L S P G F N V T G H L T I T Q T G D A V E I T G T V Y G L T P G L MR A I C C I K G N N I F G E I I F E E T G S G V R M H G N I R G L S P G K
UniRef90_W6J114 UniRef90_I2H6Z0 UniRef90_Q6QXJ7	T D A I C K L T A G G N L T G V L S F Q Q N D D L V T I I G D I S G L S P G F N V T G H L T I T Q T G D A V E I T G T V Y G L T P G L M R A I C C I K G N N I F G E I I F E E T G S G V R M H G N I R G L S P G K V N A V C I L T G S A G V S G L V R L T Q E S E P T T I E Y E I T G N T P N E M R G I C I L K G D V S G T L L F I Q D K D R V K I T G V L H K L P R G N V S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T W Y L E G N T P N L Y S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T W Y L E G N T P N L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T W Y L E G N T P N L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T W Y L E G N T P N L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T W Y L E G N T P N L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T W Y L E G N T P N L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T W Y L E G N T P N L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T W Y L E G N T P N L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T W Y L E G N T P N L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T W Y L E G N T P N L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T W Y L E G N T P N L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T W Y L E G N T P N L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T W Y L E G N T P N L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T W Y L E G N T P N L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T W Y L E G N T P N L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T X Y L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T X Y L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T X Y L Y C S A V A Y L N G T Y N V S G I V H L T Q E D S P T N I T X Y L Y C S A V A Y L N G T Y T Y T Y T Y T Y T Y T Y T Y T Y T
UniRef90_G8BTB3 UniRef90_G1KAV8	VS AVAYLNGT Y NVS GEVHLT QEDS PTNI T WYLEGNT PNE DGEVRVA GQLQGLT LGK

UniRef90_W6E877 UniRef90_UPI00022C9128 UniRef90_UPI00022C9128 UniRef90_UPI00022C9128 UniRef90_G5F4J9 UniRef90_E3MK76 UniRef90_B6QJA5 UniRef90_B6QJA5 UniRef90_B6W95 UniRef90_R4XDI7 UniRef90_R9W2G1 UniRef90_R9W33 UniRef90_F8WYZ3 UniRef90_F8WYZ3 UniRef90_S8A9M3 UniRef90_S8A9M3 UniRef90_UPI0003318216 UniRef90_UPI0003318216 UniRef90_UPI0003318216 UniRef90_A0A023GB04 UniRef90_A0A023GB04 UniRef90_G7B70 UniRef90_H9J072 UniRef90_W0FUJ3 UniRef90_H9J072 UniRef90_W0FUJ3 UniRef90_H9J072 UniRef90_UPI000258E563 UniRef90_A1CAD8 UniRef90_C1C2E3 UniRef90_A1CAD8 UniRef90_E1CPU9 UniRef90_G7E7Y4 UniRef90_A2BK27 UniRef90_R4ZFG3 UniRef90_R4ZFG3 UniRef90_R4ZFG3 UniRef90_R4ZFG3 UniRef90_N5DYG7 UniRef90_A8NRB5 UniRef90_A8NRB5 UniRef90_A9NA058ZE05 UniRef90_J3JZH3 UniRef90_J3JZH3 UniRef90_J3JZH3 UniRef90_J07449 UniRef90_J3JZH3 UniRef90_J3JZH3 UniRef90_J3JZH3 UniRef90_J3JZH3 UniRef90_J3JZH3 UniRef90_J07449 UniRef90_J3JZH3 UniRef90_J07449 Uni	R H H   V   V   V   V   V   V   V   V   V	0.00000000000000000000000000000000000
UniRef90_S4UCD8 UniRef90_H9J7J7 UniRef90_V5G8G1 UniRef90_V9LAH8 UniRef90_T1GPA5 UniRef90_B7PEF3 UniRef90_UPI000258E84A UniRef90_W6.IIT4	H G F H V H E K G D L T N G C T S L A A H Y N P E K L A H G G R T D E R H V C H G F H V H Q F G D V S N G C D S T G P H Y N P R K A L H G A P H D G P R H A C Y G F H V H A L G D T S T C D A A G P H F D P E G N N H G G P D H N V R H V C S F G N L T D G Y F H S G D H Y N P C D K K H G G P Q D E E R H V C S F G N L T D G Y F H S G D H Y N P C D K K H G G P Q D E E R H V C S F G N L T D G Y F H S G D H Y N P C D K K H G G P S D E V R H A C C H G F H V H E F G D N T N G C M S A G P H F N P A G K E H G G P S D E V R H A C C H G F H V H E K G D L T N G C E S T G H H F D V G G M W H G A R Q D V V R H V C C C N T V G K H F N P T N L T H G A P S S T V R H V C C C N T V G K H F N P Y N K N H G A P Y S T L E K H L C R G F H L H Q F G D L T N G C V T A G P H F N P F G K T H G S L T S E L R H V C C H G L H L H E F G D V S N G C T S A G E H F N P H H K Q H G G P K S S E R H L C R G F H L H E F G N T S N H C M A A G G H Y N P F K M N H G A P N A T V R H V C R G F H L H E F G N T S N H C M A A G G H Y N P F K M N H G A P N A T V R H V C R G F H L H E F G N T S N H C M A A G G H Y N P F K M N H G A P N A T V R H V C R G F H L H E F G N T S N H C M A A G G H Y N P F K M N H G A P N A T V R H V C R G F H L H E F G N T S N H C M A A G G H Y N P F K M N H G A P N A T V R H V C R G F H L H E F G N T S N H C M A A G G H Y N P F K M N H G A P N A T V R H V C R G F H L H E F G N T S N H C M A A G G H Y N P F K M N H G A P N A T V R H V C R G F H L H E F G N T S N H C M A A G G H Y N P F K M N H G A P N A T V R H V C R G F H L H E F G N T S N H C M A A G G H Y N P F K M N H G A P N A T V R H V C R G F H L H E F G N T S N H C M A A G G H Y N P F K M N H G A P N A T V R H V C R G F H L H E F G N T S N H C M A A G G H Y N P F K M N H G A P N A T V R H V C R G F H L H C R G F N T T V R H V C R G F H L H C R G F N T T T T T T T T T T T T T T T T T T	ניז ניז ניז ניז ניז ניז ניז ניז ניז ניז

UniRef90_T1J9L3 UniRef90_P41963 UniRef90_F0XK55 UniRef90_J9JB48 UniRef90_J3MNV4 UniRef90_U6E877 UniRef90_UP100022C9128 UniRef90_UP100022C9128 UniRef90_U5F4J9 UniRef90_E3MK76 UniRef90_E3MK76 UniRef90_E6QJA5 UniRef90_B6JW5 UniRef90_B6JW5 UniRef90_B6JW95 UniRef90_R4XDI7 UniRef90_R4XDI7 UniRef90_F4MI32 UniRef90_F4MI32 UniRef90_S8A9M3	L G N I V A G A D G T A H   D   S D K H V Q L L G P N S   I C G N   T T D A Q G   A K G T   E D K L V Q L I G P N S V I C L G N V E A D Q D G N A V F L L E D R L I N I G D V N N V V C R A T L Q S Y WE G V A N V N I S D S Q   P L T G P H S I I C C D C K I T L F G E N S I I C C D C K I T L F G E N S I I C C D C K I T L F G E N S I I C C D C K I T L F G E N S I I C C D C K I T L F G E N S I I C C D C K I T L F G E N S I I C C D C K I T L F G E N S I I C C D C K I T L F G E N S I I C C D C K I T L F G E N S I I C C D C K I T L F G E N S I I C C D C K I T L F G E N S I I C C D C K I T L F G E N S I I C C D C K I T L F G E N S I I C C D C K I T L F G E N S I I C C D C K I T L F G E N S I I C C D C C C T T D A I I T L E G E Y S I I C C D C C C T T D A I I T L E G E Y S I I C C C D C C C T T D A I I T L E G E Y S I I C C C C C C C C C C C C C C C C C	120  T A D D  T A D D  T A D D  G R S L V V H Q G  G R T V V V H A D  G R R T V V V H A D  G R R T V V V H A D  G R R T V V V H A D  G R R T V V V H A D  G R R T V V V H A D  G R R T V V V H A G  G R R T V V V H A C V H A C V H A C V H A C V H A C V V H A C V H A C V V H A C V H A C V V H A C V H A C V V H A C V H A C V V H A C V V H A C V V H A C V V H A C V V H A C V V H A C V V H A C V V V H A C V V H A C V V V H A C V V V H A C V V V H A C V V H A C V V V H A C V V V H A C V V V H A C V V V H A C V V V H A C V V V H A C V V V H A C V V V H A C V V V H A C V V V H A C V V V H A C V V V H A C V V V H A C V V H A C V V V H A C V V H A C V V V H A C V V V H A C V V V V H A C V V V H A C V V V H A C V V V H A C V V V H A C V V V V H A
UniRef90_F8NYZ3 UniRef90_C5DH73 UniRef90_L8WXL9 UniRef90_L9WXL9 UniRef90_UPl0003318216 UniRef90_A0A023GB04 UniRef90_Q6T3B0 UniRef90_E9GTP1 UniRef90_J9IF16 UniRef90_J9IF16 UniRef90_MOA022RJT1 UniRef90_MOFUJ3 UniRef90_W0FUJ3 UniRef90_W0FUJ3 UniRef90_UPl000258E563 UniRef90_UPl000258E563 UniRef90_C1C2E3 UniRef90_C1C2E3 UniRef90_E1CPU9 UniRef90_G7E7Y4 UniRef90_E7E7Y4 UniRef90_E2BK27 UniRef90_P28758 UniRef90_P28758 UniRef90_P28758 UniRef90_S8EJL8 UniRef90_S8EJL8 UniRef90_S8EJL8	MGNI ETD CDGNSKGSI KDKLI KLI GPHSVI C LGNVDAMGDSFADLFLFDHLI SLSPKRSVLF LGNVQSDEQGLSKVDFEDHQI TLBGPLSI V LGNV QSDEQGLSKVDFEDHQI TLBGQNSI L LGNI MAGSDGVAHINI ADTQI PLSGQHSI L LGNI QAVEGQQAQFSI VDKLI KLDGANSVL C MGNVDAGEDGVAKLDYEDAQI ELI GEHSI I C LGNVVFDENHYSRI DLVDDQI SLSGPHGI I C LGNVVFDENHYSRI DLVDDQI SLSGPHGI I C LGNI VVNDTGRATFRKVDKLI KVP DI I C LGNI TAGTDGIAKVDLK DSFI SL CGPNAI L LGNI TADENGVANI QMTDKLVTLTGENSVI C LGNI TADENGVANI QMTDKLVTLTGENSVI C LGNVKSDGSGVVNLNLSDKHI SLI GPQSI I C LGNVKSDGSGVVNLNLSDKHI SLI GPQSI I C LGNV LADTTGRATFRLI DEFLKI SK LGNI TADENGVANI QMTDKLVTLTGGNSVI C LGNV YADENGIAN KTTFSDSVI SLFGANSI I C LGNL ESDAQGNI KTTFSDSVI SLFGANSI I C	G R T V V I H A G G H R A L V V H E K K A C V V H A D D A G R S F V V H A D G R S F V V L H E K G R A V V V L H E K G G R T M V V L H A G G R T M V I H A G G R T M V V V H A D G R R A V V V V H A D G R R A V V V V H A D
UniRef90_A8NRB5 UniRef90_K5WVI0 UniRef90_Q22KB9 UniRef90_Q22KB9 UniRef90_J3JZH3 UniRef90_J3JZH3 UniRef90_J3LT87 UniRef90_I3LT87 UniRef90_H0EMK2 UniRef90_H0EMK2 UniRef90_H0EMK2 UniRef90_L7NQ98 UniRef90_L7NQ98 UniRef90_L7NQ98 UniRef90_Q54G70 UniRef90_Q54G70 UniRef90_W2TQC0 UniRef90_W2TQC0 UniRef90_V9LD73 UniRef90_UPI00044155DE UniRef90_UPI00044155DE UniRef90_T1XY98 UniRef90_T1KY55	L G N L K Y D G Q G N A K G S T T D K L I K L I G P E S V I C L G N I K A D D S S S A V F S F S D R L L Q L N G D Y S I I C L G N I V V D N T G L A L L N I T S D Y V K L K H H T S V I C L G N I V A D A T G V A H V H I E D D V I A L Q G N H N I I I C L G N I E A G A D G V A K V D I Y D Q W I S L S G E T S V L C L G N I E S N K D K K S I I N L T D N L I T L F G Q N S I I C L G N I E S N K D K K S I I N L T D N L I T L F G Q N S I I C L G N I Q A N E T G K A S F R L Q D D K L K V W D L I C L G N V V A D E T G R V T F R I M D N L L K V D L G N V V S E D G T V D L K L E D S Q L T L N G P Y S I L C L G N L Q A D Q R G I A F I N Q F N S Q L T L K P N N S V L C L G N I F A D R D G V T Y F D L N D Q I I S L I G G Y S I L I C	A A A A A A A A A A A A A A A A A A A
UniRef90_S7RJD9 UniRef90_A0S5T9 UniRef90_UPl000395D474 UniRef90_G9D321 UniRef90_E0Y69 UniRef90_E2BYV2 UniRef90_L8FTN0 UniRef90_UPl0003F07AFB UniRef90_UPl0003F07AFB UniRef90_UPl00044167B2 UniRef90_UPl00044167B2 UniRef90_K7ISS8 UniRef90_K7ISS8 UniRef90_S4RR19 UniRef90_S4RR19 UniRef90_G9XYS0 UniRef90_A0A016WBN4 UniRef90_D3TNI6 UniRef90_D3TNI6 UniRef90_S4UCD8 UniRef90_S4UCD8 UniRef90_UPION	L G N I L S D N D G V A T L D F G D A L I S L T G P N S I V C L G N I K A N A E G V A Q I N I T D T M I S L S G P N S I L C L G N I T A D S T G K A T T Q L Q D S A L R L S G E Q S I I C L G N I I A D E H G R A S F R V N S G K I K V G D I I C L G N V V A D Y Q G V A T I Y I D D S Q V S L D P E A Y I G C L G N V N T P D Q G D T V I S L S D S V I S L T G Q H N V I C L G N L E A N E Q G V V D T T F T D H L I S L T G P R T I I C L G N L V A D D Q G L A V I N F V D T V V S L S G P E S I L C G N I V A D D Q G L A V I N F V D T V V S L S G P E S I L C G N I V A D D Q G L A V I N F V D T V V S L S G P E S I L C G N I V A D D Q G L A V I N F V D T V V S L S G P E S I L C G N I V A D D Q G L A V I N F V D T V V S L S G P E S I L C G N I V A D D Q G L A V I N F V D T V V S L S G P E S I L C G N I V A D D Q G L A V I N F V D T V V S L S G P E S I L C G N I V A D D Q G L A V I N F V D T V V S L S G P E S I L C G N I V A D D Q G L A V I N F V D T V V S L S G P E S I L C G N I V A D D Q G L A V I N F V D T V V S L S G P E S I L C G N I V A D D Q G L A V I N F V D T V V S L S G P E S I L C G N I V A D D Q G L A V I N F V D T V V S L S G P E S I L C G N I V A D D Q G L A V I N F V D T V V S L S G P E S I L C G N I V A D D Q G L A V I N F V D T V V S L S G P E S I L C G N I V A D D Q G L A V I N F V D T V V S L S G P E S I L C G N I V I V S L S G P E S I V I V S L S G P E S I V I V S L S G P E S I V I	G R A F V V V H E G G R A F V V H S Q G R A V I I H A K G R S V V V D E T G L A I V V H A D G R A I V I H A D G R A F V V H A A
UniRef90_V5G8G1 UniRef90_V9LAH8 UniRef90_T1GPA5 UniRef90_B7PEF3 UniRef90_UPl000258E84A UniRef90_W6JIT4 UniRef90_I2H6Z0 UniRef90_Q6QXJ7 UniRef90_G8BTB3 UniRef90_G1KAV8	L G N V E A S D S G V A E F Q M H D R L L R L A G N Y S V I C L G N V E A G D D G V A K V D I K D C Q I S L S G E R N I I C L G N V E A D A R G D A Q F V I F D R L L S L N G P N S I V C L G N I Q A N A Q G E A S V N I K D S I I S L S G P N N V L C L G N I I V N E N G M A I V D E Y Y N F L T L S G N D S I M C L G N V K T D A N G V A K G T I V N D T I K L M G P Y S V V C L G N I Y S D G S A T T K V S M Y D N L I S L Y G M H S I L C G N V Q T D S Y G I A E G F I L D D E I K L F G A N S V L C L G N V Q T D S Y G I A E G F I L D D E I K L F G A N S V L C	G R A V V V H E L G R T L V V H A D G R T L V V H A D G G R S A I V V H S G G R S L V I H S N G G R A F V I H A G G G R A F V I H A M G G R T L V V H A K

	120 140 450
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UniRef90_J3MNV4	PDDII IGKGGHEII ISKTTGNAGGRIVIA <mark>C</mark> GII I IGII I
UniRef90_W6E877 UniRef90_O16863	DDLGKGGHELSKTTGNAGGRLACGVIGIAQ PDDLGKGGHELSKSTGNAGARIGCGVIGIAK
UniRef90_UPI00022C9128 UniRef90_I1MNV0	PDDLGRGADPESKIHGNSGNKLACGIIARSS PDDLGRGGHELSKTTGNAGARVACGIIGL IDDLGKGGHEFSLTTGNAGGRLACGVIGYLK
UniRef90_Q5F4J9 UniRef90_E3MK76	FDDII IGKGKFFFSKKTGNAGARKA <mark>C</mark> GIVI IAII IA
UniRef90_B6QJA5 UniRef90_D6X0S2	T D D L G R G G N A E S L K T G N A G A R L A C G V I G I A K E D D L G K G N F N D S K T T G H A G A R L V C G V I G I A
UniRef90_B6JW95 UniRef90_R4XDI7	T D D        G K G D N F F S        K T G N A G A R N A <mark>C</mark> G   V I   G      A
UniRef90_K9K2G1	E D D   L   G R G G Q A D S M T T G H A G P R   V   A C G T   I   G   L   S S
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UniRef90_UPI000258E563 UniRef90_C1C2E3	A D D Y G K S D H P D S R K T G N A G G R V A C G V I G I A D D L G K G G S P T S K I D G N S G N R L A C G I I A R S S K D D L G K G G H E L S A S T G N A G A R S A C G V I G M A K
UniRef90_C1C2E3 UniRef90_A1CAD8 UniRef90_E1CPU9	T D D L G K G E S E E S K K T G N A G P R P A C G V I G M A K E D D L G K G G F P D S K T T G H A G G R L S C G V I G M
UniRef90_G7E7Y4	T D D        G K G G N F F S F K T G N A G G R N A <mark>C</mark> G   V L   G
UniRef90_E2BK27 UniRef90_R4ZFG3	PDDLGKGDNPESKISGNSGNKLACGII ARSS PDDLGKTNHPLSKTTGNSGGRLACGII GFAK
UniRef90_P28758 UniRef90_H3E6A7	EDDLGKGTSEESLKTGNAGARNACGVIGLAPDDLGLGGTDASRTTGDAGARWACGIIGQASTDDLGKGDNEESLKTGNAGGRAACGVIGLA
UniRef90_S8EJL8 UniRef90_W5DYG7	SDDII IGKGGHEILISKSTGNAGARII IG <mark>C</mark> G
UniRef90_A8NRB5 UniRef90_K5WVI0	T D D L G R G G H N D S L T T G N A G G R S A C G V V G T D D H G R G G D W E S L K T G N A G A R V A C G V I G M C S
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UniRef90_J3JZH3 UniRef90_A0A058ZE05	EDDLGLGGHEDSLTTGRAGPRIGCGVIGM
UniRef90_I3LT87 UniRef90_Q07449	EDDLGRGGHPLSKITGNSGGRLACGIIARS TDDLGQGTREESLKTGNAGSRLACGVIGNA
UniRef90_H0EMK2	
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UniRef90_X8JHM3 UniRef90_A0DNR4	EDDLGLGGTPDSLTTGRAGGRFA <mark>C</mark> GVIGR
UniRef90_Q54G70 UniRef90_W2TQC0	EDDLGRGNSQDSKITGNAGSRLGCGIIALSKDDDLGRGSKEESLKTGNAGARLACGIIVDDLGKGSHPLSKLTGNAGDGLACGIIARS
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UniRef90_K7IYR3 UniRef90_UPI00044155DE	IDDEG <u>R</u> GGNPDSK <u>K</u> IGN <u>A</u> GGR <u>D</u> A <mark>C</mark> GIIIAVAN
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UniRef90_S7RJD9 UniRef90_A0S5T9	PDDLGRSGDPESKRTGNSGPALACGLIQLAK TDDLGRGGNDDSLKTGNAGGRSACGVIGLA EDDLGKADNEESKKTGNAGPRIACGIIKR
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UniRef90_I6TSF0 UniRef90_E0VY69	EDDLGKGGNEESKKTGNAGGRVACCVIEAAS
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UniRef90_UPI0003F07AFB UniRef90_H3F1B8	E
UniRef90_E2BMV6 UniRef90_UPI00044167B2	PDDLGQGGHELSKTTGNAGARLACGVIGITK TDDLGRGDSDESLKTGNAGGRAACGVIGLTE
UniRef90_K7ISS8 UniRef90_K9W528	T D D L G R G D S D E S L K T G N A G G R A A C G V I G L T E E D D L G K G N S T V S Q E T G N A G D R WA C G V V G L A D D L  K S Q P S G D A G G R L A C G V I K A T N A D D L G R G T H P L S K V T G N S G L G L A C G I I A R S V D D L G R G G N P E S A K T G N A G A R S G C G I I P D D L G R G N S E L S K T T G N S G A R V A C G V I G I
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UniRef90_S4UCD8	EDDLGRVENEGSTKTGNSGGRVITGGVIGI
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UniRef90_B7PEF3 UniRef90_UPI000258E84A	EDDLGLGGTLESRETGRSGPLLACGVIGIAQ EDDLGRGSSPLSATTGNSGDRWACGLIAL
UniRef90_W6JIT4 UniRef90_I2H6Z0	EDDLGKGGYDDSLTTGHAGGRLVCGVIGI EDDLGKGGYDDSLTTGHAGGRLVCGVIGI EDDLGKGGDEQSLTTGNAGKGLAWGIIGI PDDLGKGGDEQSLTTGNAGKGLAWGIIGI PDDLGKGGDEQSLTTGNAGARSGCGVIGIAK EDDLGKGGTIESRETGRSGPIIACGVIGIAQ EDDLGKGNNQESKISGNSGTKKACGNI TDDLGKGNNQESKISGNSGTKCGGIIGVK TDDLGAGENELSKITGNSGSRLCCGGIIGVKK TDDLGAGENELSKITGNSGPRAACGIINI
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UniRef90_T1IQZ1 UniRef90_C3Z3X0	MKAICVLSGD VHGRVIFEQQSHLLHIRGYVVNLPKGLKAICLVNPEKNAKGIVHFEQENQKTHIFGNFTNLSKNAAINAVCIFMGN LIGSVIFLQQDGVVHVSGEIRNLSPGEAVSQMSGRSAVQGVVRFVQLSEKVAIEGTIDGLTPGLTQAICQIDQP KDYGYVIFTQFPEFTEIQFYLKNLPPGLSTSAVAMVSSTEQVLGVIRFTQTDSVLIADGSVDGLTPGLMRGVCILQGD
UniRef90_H2EF07 UniRef90_G6DKD2 UniRef90_Q8JS05	STSAVAMVSSTEQVLGVIRFTQTDSVLIADGSVDGLTPGL
UniRef90_Q6MAB6 UniRef90_U5EZ17 UniRef90_P24705	KAVAVI GLISGD WHIGH YEOOFS OPLIKES GYLLINE PRICE
UniRef90_H2WC96 UniRef90_S2KGD4	QLIGTI DFDQSGSFLKLNGSVAGLPAGK TSAIVYLTGPNTVSGTVTFNQPDSATQI FANLTGLTEGK SKAVCVLKG YKLHGVINFDQLQNGVI I SGVVLGLPEGN IRQGTGPVKVTGKI TGLADGE
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UniRef90_J5Q2F4 UniRef90_F8KZR5	A A L S V L K G A S N A T G H V T F T E S E K G V H V T G T I T G L E P S T K A N A V V N P T E G Y K G N I T F T E T K E G V Q I V A N V Q G L P A G K
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UniRef90_UPI000252C721 UniRef90_J9YMJ2 UniRef90_D2DSH2	NVT GKLII VQND D SVNI T GKIS GLT E GL QE G D G P T T V T G N L S GL K P G L A E C V L K A S S K V T G T U S L V O S P S P V L L T G N L T G L S E G K
UniRef90_A0A024THB6 UniRef90_G6CYJ9	A T V M P V G D S G V A G S V T F T E D E N G V A V Q G S F T G L E S G K T K A V C K L Q G D S Q V S G L I H F T R E G N K I H V E G E I T G L K P G K A A L S V L K G A S N A T G H V I F T E S E K G V H V T G T I T G L E P S T K A N A V V N P T E G Y K G N I T F T E T E K E G V Q I V A N V Q G L P A G K A M K A V C V L K G D G P V Q G V I H F E Q S G E P V V V S G Q I T G L T E G E V K A V A V I S S D N N V R G S L H F L Q H P N G V T V K G T I F G L K P G L I C V L N A G E I R G L V Q F A Q L N S H V R V S F N G S G I P E G V N V T G K L I I V Q N D D S V N I T G K I S G L K F G L Q E G D G P T T V T G N L S G L K G L S A G K A K A V V T L Y G D D T V Y G T L V L S Q S N E K T I V A G S L K G L S A G K Q A I V H L Q D D S G V E G D L V F T Q P N G P V S I E G N I T G L S P G L V K A V C C L V G D V K G T I N F T Q E G D G C H I T G E V T G L T E G K K A I A V M H P T S K V K G F V T F T K E K N G I R V V A Q F E G L T P G L
UniRef90_UPI0001CBAF63 UniRef90_Q2F6F3 UniRef90_V9XTM3	GKPVTVTGLEGFGL  VKAVCCLVGD VKGTINFTQEGDGCHITGEVTGLTEGK  MKAICVITGD VHGQVYFKQDGPPVKLTGYLLNLPRGL  KAIAVMHPTSKVKGFVTFTKEKNGIRVVAQFEGLTPGL  KAIAVF DTYGIVKFTEENNEVKIELFLSGLDKNL  AVSIINNTGSIQGVVRFTAITNGVVVDGVIDGLTPGL
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UniRef90_C1BSR9 UniRef90_C3TX12	MRAICVIS GD VIGGEL YEY OON HPTVLITGYL IGLIS K GI
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UniRef90_X8JH19 UniRef90_UPI0003F0A6A3 UniRef90_Q7T9W4	G G P V R V T G E V Q G L T E G P V K A V C V L K G T G E V T G T V Y F E Q E S D P V K L T G Q I I G L A P G L A T V V M L K A S S G S V G W L E F E D I G Q G T H L Y G Q I T G L S A G K A A V T M L E E G Q L K G V I R F V Q S D N K C I I E G I V D G L K P S I MR A V C V V T G E V Y G L I N F Y Q T D D F I H I K G K L Y N L K R G Y P T I I N G E I K G L T P G L
UniRef90_J0DK53 UniRef90_G8DGN2	KAVAVLTGNG VYGIVRFSERSGGVQVTVSVTGVPSSW KAVCMLRGN DVKGVI HFEQQNDI VVVFGVI LGLTEGF
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LINIDATOO MEC10E	
UniRef90_A0A016RYT9 UniRef90_Q8ELY4 UniRef90_UPI000360F4E6	VSLENNEGQVVGTATLTEGEGVQISLEGENLPAGE TKAIATVHGESGVSGTVTFEKGTEGVTVSASISGLEAGK
UniRef90_S4P4K3 UniRef90_UPI0003637DFA UniRef90_R7U7B8	A V A MI   S S K S Q V L G V   R F Q Q S Q S G P L V D G S V H G L A P G P A V A Q L K P T S E V S G T T S F T Q Q G D K L V K T E V R G L K P G A A F C V L S G T G P L Q G T L R F F O T G G A T S L T G S V S G F T T G K
UniRef90_F7S187 UniRef90_Q7T5N2	TAVLRGNENI YGSVTFTQDADGVMVMAHVEGLPANT GDVYGTLEFLQPDSSMHLIGELYNLPRGN
UniRef90_B6S6T3 UniRef90_UPI00040AAF7C UniRef90_Q9BLY4	S
UniRef90_Q0G5E7 UniRef90_G0QU71 UniRef90_Q47BV8	VT MN A P D G S D R G T V T V T P T P N G L L L E A E L T G L E P G E A V C L L Q D E Q E V Q G L F S F T Q E A Q P V K I V G S L K N L Q P N Q B S G S M V S G K V S F S E T G G P V R I V E A M V S G L T P G F
UniRef90_W0V6Z9 UniRef90_H3G9J7	S P A R G F Y F E Q V G H A T K I T Y D V S N L E P G G G P I T I K G D L R G F P A G H  V S L E N N E G Q V V G T A T L T E G E E G V Q I S L E G E N L P A G E G E G V A M I S S K S Q V L G V I R F Q Q S Q S G P L V D G S V H G L A P G P A Q A Q L K P T S E V S G T T S F T Q Q G D K L I V K T E V R G L K P G A A E C V I S G T G P I Q G T I R F E Q T G G A T S I T G S V S G F T T G K G T L E F L Q P D S S M H L I G E L Y N N L P F G C C S D A Q L K S S Q V L G V V T F T D A D S K V K M L G V L N N L P F G C C S D A D S K V K M L G V L N N L P F G C C S D A D S K V K M L G V L N N L P F G C C S D A Q V V R F T D K K P G V V V D G V V D G L S P G C C S D C C C S D C C C S D C C C C
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UniRef90_Q9DVY5 UniRef90_F2F9N4	MKGVCVMSGG KGVVTFTQDHHVTRMSGHLIDLPKGE SAKAQMYDTKNNLVGELLFKESSKGVELTAVLNNLPPGD
UniRef90_K0J0L5 UniRef90_A5Y446 UniRef90_UPI00031EC0B8	AVVDFVPGNDNVSGRLQLYRTDYGVLIQGKVSGLTPGH — DGNTIGTATLTEGKNGVTIHLKAENLPSGV
UniRef90_UPI000473F590 UniRef90_UPI0002C58EF1 UniRef90_Q9TS96	VK A V C V I N G D

UniRef90_Q9J887 UniRef90_W0FZ77 UniRef90_T1IQZ1 UniRef90_C3Z3X0 UniRef90_H2EF07	50 60 70 80  H G F H V H E F G D T S N G C T S A G E H Y N P L G R N H G A P N A A E R H V G H G F H I H V Y G N L S K G C L T A G P H Y N P Y A K E H G G P H S T V R H V G H G F H I H K F G D L R N G C L N A S S H F N P F N K D H G A P E D E E R H V G H G L A V H E L G D L S Q G C D S C G D H F N P T N S S H G G P G D Q E R H V G H G C H I H K S G D R R K G C S S M G P H F N P F N G T H K D V N E Q G N H L G
UniRef90_G6DKD2 UniRef90_Q8JS05 UniRef90_Q6MAB6 UniRef90_U5EZ17 UniRef90_P24705	HGFHI HVYGNLSKGCLTA GPHYNPLGRNHGAPNA AERHVGHGFHI HVYGNLSKGCLTA GPHYNPYAKEHGGPHSTVRHVGHGFHI HKFGDLRNGCLNA SSHFNPYNKDHGAPEDEERHVGHGLAVHELGDLSQGCDSCGDHFNPTNSSHGGPGDQERHVGHGLHVHESGDLSMGCSSMGPHFNPFNGTHKDVNEQGNHLGHGLHVHESGDLSMGCSSMGPHFNPFNGTHKDVNEQGNHLGHGFHVHEFGDTSNGCTSAGEHFNPHQNQHGGQHDSNRHLGHGFHI HEFGDCGKNGEAAGAHFNPMNQKHGGPDSLERHVGHGFHI HDKGDLSGGCLSTAGHYNPDKMSHGAPNAQIRHVGHGFHI HDKGDLSGGCLSTAGHYNPDKMSHGAPNAQIRHVGHGFHI HFKGDTGNGCTSAGEHFNPTNEDHGAPDASIRHVGHGFHI HFKGDTGNGCTSAGEHFNPTNEDHGAPDASIRHVGHGFHI HFKGDTGNGCTSAGEHFNPTNEDHGAPDASIRHVG
UniRef90_H2WC96 UniRef90_S2KGD4 UniRef90_Q77GG8 UniRef90_UPl00039579D4 UniRef90_D7F5W2	H GL H V H E L G D L S N G C A S L G P H Y N P F N H T H G G P E G K Q R H A G H G L H V H E F G D E T N G F L S M G N H Y N P E N K K H G S P F N N E R H I G H G F H V H E F G D N T N G C T S A G P H F N P E K K K H G G P S D A E R H V G H G M H V H E F G D I S N G C T S A G E H F N P T N M D H G G P D S P L R H V G
UniRef90_A0A023FC86 UniRef90_UPI000368BA9F UniRef90_A6CEY0 UniRef90_J502F4 UniRef90_F8KZR5	HGFHVHEYGDLRDGCTSAGSHYNPFNKLHGAPYDENRHVGHGFHIHEFGDCADDGTSAGGHFNPAGNEHGAPTDMERHMGHGFHVHEKGDLSDKEKSAGGHFNPTDKPHGKPTDSERHVGHGFHVHEFGDLSEGCLATGGHYNPFNQTHGAPEDKVRHAGHGFHIHEFGDCSPDASSAGAHYDPTHHKHGGPDDLDRHVGHGFHVHQYGDNTQGCTTAGGPHFNPHSKKHGGPADEERHVG
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UniRef90_D2DSH2 UniRef90_A0A024THB6 UniRef90_G6CYJ9 UniRef90_UPI0001CBAF63 UniRef90_Q2F6F3	HGFHI HQWGVVDDNCGSTGGHYNPLGYNHSAPNATERHMGHALHI NVFGDVSNNGASTGGVFNPFGKSHGAPDEEERRVGHGLHVHQTGDVDDNCKKIGPHFIAYYGRHGGPRDAVRHVGHGFHI HEFGDNTNGCLSAGSHFNPFGKNHGGPDDTDRHVGHGFHI HQYGDNTNGCTSAGSHFNPFGKNHGGPDDTDRHVG
UniRef90_V9XTM3 UniRef90_A0LNW8 UniRef90_F2Y0Q6 UniRef90_D3TN65 UniRef90_C1BSR9	HGFHVHEFGDTSNGCTSAGEHFNPTRQNHGAPDAAERHVGHGFHIHEYGDCSPDAGSAGGHFNPAGAPHAAPTAEKHHLGHGFHVHEAGDLTDTCDSMCAHFNPYHNHHGGPHSKIRHVGHGHGHHVHEMGDVSGGCDTVGAHYNPRNSPHGAPHDEPNHAGHGFHIHEIPDLGNGCLAGGPHYNPFNKDHGGFHSNFRHVG
UniRef90_C3TX12 UniRef90_Q54TU5 UniRef90_C3ZAI5 UniRef90_P81036 UniRef90_X8JH19	HGLHVHQTGDVDDNCKKIGPHFIAYYGRHGGPRDAVRHVGHGFHIHEFGDNTNGCLSAGSHFNPNGCLHGGPTDDKRHVGHGFHIHEFGDNTNGCTSAGSHFNPNGCLHGGPTDDKRHVGHGFHIHQYGDNTNGCTSAGSHFNPFGKNHGGPDDTDRHVGHGFHVHEFGDTSNGCTSAGSHFNPFGKNHGGPDDAAERHVGHGFHVHEFGDCSPDAGSAGGHFNPTRQNHGAPDAAERHVGHGFHVHEAGDLTDTCDSMCAHFNPYHNHHGGPHSKIRHVGHGFHVHEAGDLTDTCDSMCAHFNPYHNHHGGPHSKIRHVGHGFHVHEAGDLTDTCDSMCAHFNPYHNHHGGPHSKIRHVGHGFHVHEFGDMSNGCLAGGPHYNPFNKDHGGFHSNFRHVGHGFHVHEFGDMSNGCTSAGEHFNPFNMDHGAPDSIIRHVGHGFHVHEFGDMSNGCTSAGEHFNPFNMDHGGPNSAIIRHVGHGFHVHEFGDTSNGCLSAGAHFNPFHVEHGGPNSAIIRHVGHGFHVHEFGDTSNGCLSAGAHFNPFNHVEHGGPNDAVRHVGHGFHVHAFGDNTNXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
UniRef90_Q9Q8H0	H G     N   V   H E F G
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UniRef90_Q8ELY4 UniRef90_UPI000360F4E6 UniRef90_S4P4K3 UniRef90_UPI0003637DFA UniRef90_R7U7B8 UniRef90_F7S187	H G F H V H Q L G D L T N G C I S A G P H Y N P G N N N H G G P S D N V R H V G H G F H I H E A G K C E P N F E S A G S H Y N P T N A K H G F N H P E G P H A G H G F H I H Q Y G D C S A D G T S A G G H Y N P E D A P H N D P D A N K R H V G H G L H V R H T G D L S M G C E S L G E H Y N P H S A P H G G P N D D K R H A G H G F H V H E R G D C S P D A S S A G G H F N P T K E A H G S P T S V P H H G G H G F H V H A V G N L G N R C S D A T G H Y N P F D K N H G A P D A S E R H V G H G F H V H E F G D C S P D A T S A G G H F N P Y D R D H G A P D S D E R H V G
UniRef90_P75187 UniRef90_Q7T5N2 UniRef90_B6S6T3 UniRef90_UPI00040AAF7C UniRef90_Q9BLY4 UniRef90_Q0G5E7	HGFHVHEFGDCSPDATSAGGHFNPYDRDHGAPDSDERHVGHGLHIHEYGDTTNGCSSAGEHLNPHHKNHGAPQDLDRHLGHGLHIHEYGDTTNGCSSAGEHLNPFTGPNSAQRHLGHGLHIHENGDCSDDASSAGEHLNPFTGPNSAQRHLGHAIHLHENGDCSDDASSAGGHWNPTTKEDHGAWEHKAFHKGHGLHIHESGDTSAGCSSVGEHYNPRQSPHGSPGAEERHAGHGFHLHETGQCGEDFSAAGGHYNPTDMEHGYMTEGGPHAG
UniRef90_G0QU71 UniRef90_Q47BV8 UniRef90_W0V6Z9 UniRef90_H3G9J7 UniRef90_U2SQG4	H G V S I H E Y G D F Y E I G N H Y N P H N K Q H G S P Y S E E R H L G H G F H V H E A G D C S P D A S S A K G H F N P V S K S H G H Y A S E E H H G G H G F H L H E K G D C S P D G L S A G G H F N P T G V Q H G N P A S G P H H G G H A L H A N V F G D V S Q P A G G A G G V F N P F G K N H G A P E D E E R R V G H A F H V H E V G K C E P A F T T A G G H F N P T K K A H G L L A P K G K H H G
UniRef90_UPI0002657BB0 UniRef90_UPI000314E3D0 UniRef90_G6D208 UniRef90_G8DDJ3 UniRef90_F5GTG7	HAILHVHEHGKLGNNCLESGGHYNPLGVDHGAKDDKTRHVG HGFHIHEVGKCEKPTFSAGAHFNPKGKEHGFDNPKGFHAG YGFHVHELGDTST CDATGPHFNPDGTNHGDRVHDVRHVG
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UniRef90_UPI00035D8656 UniRef90_M8DW82 UniRef90_V6J7X0 UniRef90_UPI0003054A5E UniRef90_B3Q835	HAFHVHENGS CADAGNAAGGHFNPTAKPHGMHGAGDHHVG HAIHLHDKGACSPPFQSAGEHFNPEGKKHGLLHPEGAHAG HAIHFHEYGSCTPDFMSAGAHFNPDHKKHGLKNPLGPHAG HGFHIHEKGDCSPDAMSAGGHFNPENKKHGKMAEGGAHAG HAFHIHAVGKCEPPFTSAGGHFNPENKKHGKMAEGGAHAG
UniRef90_UPl0003F06928 UniRef90_K1VT03 UniRef90_R7ZI56 UniRef90_Q9DVY5 UniRef90_F2F9N4	HAFHVHSYGYILDTGCDDTGGHYNPYGKWHGAPQDSERHVG RPHHL RREGDNSNGCTSAGSHFNPHGKNHGGPTDAERHVG HGI HI HTVGKCEPPTFSAGGHFNPTKKEHGKLNPKGYHL G HGI HI HEFGDVTNGCTSAGEHLNPFDEEHGD AEHGHL G
UniRef90_K0J0L5 UniRef90_A5Y446 UniRef90_UPI00031EC0B8 UniRef90_UPI000473F590 UniRef90_UPI0002C58EF1 UniRef90_Q9TS96	HGI H L H E F G K C S P S F E S A G A H F N P T K K Q H G V D N P A G P H L G H G F H I H D R G A C P P D F E S A G G H Y N P T N S K H G F K H P K G P H A G H G F H V H A E G D L S G K C T A A G G H F N P F Q T N H G S P Y D N P R H V G H G F H I H E K G E C G A G F E S A G G H F N P Y N K E H G L D N P K G P H A G H G F H I H E I G K C E P D F K T A G G H F N P Y D R K H G F K N P K G P H G G Q G F H I H Q F G D N T Q G C T S A G P H F N P L S K K H G G P K D Q K R H A G G P K D E E R H V G

UniRef90_Q9J887 UniRef90_W0FZ77 UniRef90_T1IQZ1 UniRef90_C3Z3X0 UniRef90_H2EF07 UniRef90_G6DKD2 UniRef90_Q8JS05 UniRef90_Q6MAB6	90  DLGNIEAKKNSLTEIDKIDNVMSLFGEYSVIGRSLVIHSI DLGNVFSDSEGNASFDHWDPQIALSGSNSVIGRACVLHKE DFGNVIVKSDGVVTLNNEFKNVDLQGQYSVIGRSFVVHSO DLGNVLADARGRAEFRMEDERLK VWDIIGRSLVVHSO DLGNIFVDMHGQCNNKLYVDYLPLTGPHQIIGRGLIIHEE DLGNIHADEQGRARFRIFDSVLQIDEL LGRSVAVTQE DLGNVHSTGCRVTNVKIVDNMLSLYGEHSVLGRSLVVHTI DFGNLEADSHGHAHYERVDKFIELDGKNSIIGRSLWVHT	R M D
UniRef90_U5EZ17 UniRef90_P24705 UniRef90_H2WC96 UniRef90_S2KGD4 UniRef90_Q77GG8 UniRef90_UPI00039579D4 UniRef90_D775W2 UniRef90_A0A023FC86 UniRef90_UPI000368BA9F UniRef90_A6CEY0	DL GNI E A K K N S L T E L D K L D N W M S L F G E Y S V I G R S L V I H S I D L G N V F S D S E G N A S F D H W D P Q I A L S G S N S V I G R R S F V V H S I D F G N V I V K S D G V V T L N N E F K N V D L Q G Q Y S V I G R S F V V H S I D F G N V I V K S D G V V T L N N E F K N V D L Q G Q Y S V I G R S F V V H S I D L G N V L A D A R G R A E F R M E D E R L K D L G N I F V D M H G Q C N N K L Y V D Y L Q I D E L L G R S L V V H T I D L G N I H A D E Q G R A R F R I F D S V L Q I D E L L G R S L V V H T I D L G N I H A D E Q G R A R F R I F D S V L Q I D E L L G R S L V V H T I D F G N L E A D S H G H A H Y E R V D K F I E L D G K N S I I G R S I W V H A I D L G N I R A G Y N S L T E V N M M D N V M S L F G S R S V I G R S L V V H T I D L G N I K A G Y N S L T E V N M M D N V M S L S G Q Y S I I G R S L V V H A G D L G N I L A N A D G T A T L S L T L D T V H L S G P F S I L G R S V V I H E I D L G N V T A K C G G V A E V C I Q D S V I T L H G P F S V L G R S I V V H S I D L G N V T A K C G G V A E V C I Q D S V I T L H G P F S V L G R S I V V H S I D L G N I E A N A D G T A T L S L T L D T V S L E Q I L G R G I I I H A G D L G N V T A K C G G V A E V C I Q D S V I T L H G P F S V L G R S I V V H S I D L G N I E A N A D G T A T L S L T L D T V S L E Q I L G R G I I I H A G D L G N V T A K C G G V A E V C I Q D S V I T L H G P F S V L G R S I V V H S I D L G N I E A N A D G L A K V D I V D D E T V S L E Q I L G R G I I I H A G D L G N V E A A D G L A K V D I V D D E T V S L E Q I L G R G I I I H A G D L G N V A A G K D G V A N V S I E D R Q I R L R G G A R S I V G R G V V L H A G D L G N V A A G K D G V A N V S I E D R Q I R L R G G A R S I V G R R S I V V H E I D L G N V E A D L H G V T F S R D D S Y L Q L R C G R S I V V H A G D L G N V E A D L H G V T F S R D D S Y L Q L R C G R S I V V H A G D L G N V E A D L H G V T F S R D D S Y L Q L R C G R S I V V H A G C D L G N V E A D L H G V T F S R D D S Y L Q L T G R S I V V H A G C D L G N I Q A N A K G E A D V H I K D F I I S L S G D R S I V G G R S I V V H A G	D K G K K N D G
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UniRef90_UPI0003637DFA UniRef90_R7U7B8 UniRef90_F7S187 UniRef90_Q7T5N2 UniRef90_B6S6T3 UniRef90_UPI00040AAF7C UniRef90_Q9BLY4 UniRef90_Q0G5E7 UniRef90_G0QU71	D M G N I K A D R N G R A R G S F Y H D L I V L N G P T S S L N R A V V L H A C D L G N I Q A D N F G V A R F W L R D S Q V M I G G M Q S V I G R A V V V H A C D L E N I T V E E D G T V Q T E V D A P M V T L N T L Y T E Q G T S L I I H S C D M G N L E S D G E N A T T L T Y T D N R I H L N E I V G R G I I I H A C D L G N I L A D E E G R A T F R I V D N I L Q I N E I V G R S I A V V H A C D L G N L E A D A S G K A V A E V A I P V G S V N M P N S V I G R A L V V H A C D L G N I V E N A N G V A D I S M D D S L V S L V G E Y T V I G R S I V V H A C D L G N I V S N T N K P T Y V N I V D N I I S L Y G P H N I L G K S V V V H S I D L G N V Y S N T N K P T Y V N I V D N I I S L Y G P H N I L G R S V V V H A C D L G N V C S T G S A V T I F E I F D D M I S L Y G P H N I L G R S I V V H A C D L G N L V A D E N G I A T I T K E T D L W C I S C E D N I V G K S I V V H A C D L G N I R A D E N G R A T F R F V D P V L D M P N F T A G E D G S A T F A V F N P N L T V S P V M D D D G S A I M V H G C D L G N I K A D Q F G F G Y Y T L S N N Q I S L F G E L S I L G R S L A I H K I D M P N L V A N A Q G E A K Y S A E L K G L T L N G P N G V V G R S V V I H A I S L G N V E V A E D G S A K V H V E D K L L K L I G P H S V I G R S L V L H E I S L G N V E V A E D G S A K V H V E D K L L K L I G P H S V I G R S L V L H E I S L G N V E V A E D G S A K V H V E D K L L K L I G P H S V I G R S L V L H E I S L G N V E V A E D G S A K V H V E D K L L K L I G P H S V I G R S L V L H E I S L G N V E V A E D G S A K V H V E D K L L K L I G P H S V I G R S L V L H E I S L G N V E V A E D G S A K V H V E D K L L K L I G P H S V I G R S L V L H E I S L G N V E V A E D G S A K V H V E D K L L K L I G P H S V I G R S L V L H E I S L G N V E V A E D G S A K V H V E D K L L K L I G P H S V I G R S L V L H E I S L G N V E V A E D G S A K V H V E D K L L K L I G P H S V I G R S L V L H E I S L G N V E V A E D G S A K V H V E D K L L K L I G P H S V I G R S L V L H E I S L G N V E V A E D G S A K V H V E D K L L K L I G P H S V I G R S L V L H E I S L T C T C	D G Q M M D N G N
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UniRef90_B3Q835 UniRef90_UPI0003F06928 UniRef90_K1VT03 UniRef90_R7ZI56 UniRef90_Q9DVY5 UniRef90_P2F9N4 UniRef90_K0J0L5 UniRef90_ASY446	DMPNLVIANAQGEAKYSĀELKGLTLNGPNGVVGRSVVI HAI DFGNLETDMNGNAELKMĀFPQISLUKGPNSI I GRGLIVHAI SLGNVEVAEDGSAKVHVEDKLLKLLGPHSVI GRSSLVLHED DLPNLYVGQDGKVQFDTFSNGLTVKSMFDKDGSAVVI HAI DWGNFNATQE TLRLSITDNVAKLNGEHSLMGRAIVI HEI DLPNISPDENGSVDIEFIAKNITLEKLFDEDGSSVI HAI DWGNFNATQE TLRLSITDNVAKLNGEHSLMGRALVLHE DLGNVEFVSNNVAVDPDFVDGLISLHGRRSLVI HAI DLGNVEFVSNNVAVDPDFVDGLISLHGRRSLVI HAI DLGNVEFVSNNVAVDPDFVDGLISLHGRRSLVI HAI DLGNVEFVSNNVAKFRLVDSLVKLGTKANVI GRSSVVI HAI DLGNVAKLDITDKMPSLTGFYSI I GRTMVV VHAI DLGNVAKLDITTSDSKLTGFYSI I GRTMVV VHAI DLGNI BATGDCPTKVTI SDSKLTLFGADSLI GRTMVV VHAI DLGNI BATGDCPTKVTI SDSKLTLFGADSLI GRTMVV HAI DLGNI BATGDCPTKVTI SDSKLTLFGADSLI GRTVV V VHAI DLGNI YAAEDGSVAKFDEYVTLKKGLGPNSI I GRTVV V VHAI DLGNI YAAEDDSNGTAVLTI TTTSQISLDPNSI I GKGLI VHAI DLGNI YAAEDDSNGTAVLTI TTSQISLDPNSI I GKGLI VHAI DLGNI YAAEDDSNGTAVLTI TTSQISLDPNSI I GKGLI VHAI DLPALRTDSKGVAKFDQVYPGLTLNSSLRDADGSSAL VI HEI DMNNL VADSSGNARVQFVMPDVTVSSPPNSVVGGRAVVVVHKI DMQNI FADSHGRVKTVLFDPRVTLNSSLRDADGSSAL VI HAI DLPNL I VKEDGTVKVQL MAPNVDL SSLRDADGSSAL VI HAI DLGNI QGDDDDGNVKI VMRDNVDLSSLRDADGSSAL VI HAI DLGNI PNL EIGEDGTSVVV HAI DLGNI QGSONVKI VMRDNVASL VGGRAAVVV HKI DMQNI FADSHGRVKTVLFDPRVTLNSSLFDEDGSSAL VI HAI DLGNI QGSONVKI VMRDNVASL VGGRAAVVV HKI DMNNL VADSSGNVDVNI TDKQI SLI GRSSVV V HAI DLGNVKTDGSGNVVVV LELAKKUVSLDPDHEEGGTSVV I HEI DLGNVKTDGSGNVVV LELAKKUVSLDPDHEEGGTSVV I HEI DLGNV KTDGSGNVVVV LELAKKUVSLDPDHEEGGTSVV I HEI DLGNV KTDGSSNVVV LELAKKUVSLDPDHEEGGTSVV V HAI DLFNLEGGEDGTVVVV LELAKKUVSLDPDHEEGGTSVV V HEI DLGNV TAGK DGVATMPLEDSL I TLSGDHSI I GRT	KGGAQKNG
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	400 440 450
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	Q A E A V L A S A S G V S G R V V L V P A L H G I R V T G T V G G L Q P G A D A Q G T Q V G T V E L S Q T D K G V E V T V E A H G L Q P G F A L I A A D G T Q L G N V S I A A T A S G A L V T I N A F G I P F G V
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UniRef90_W5TS08 UniRef90_Q98TP6 UniRef90_UPI00047C9B13 UniRef90_U3AAJ4 UniRef90_C5CUB4 UniRef90_F1PAS8	A T K D V T M V D S D G K S I G T I S I E Q N P Y G T I L T P D I L H S L P P G V I A V S L L E R D G D V I G V V F F V Q I L L T P D I L H S L P P G V I A V S L L E R D G D V I G V V F F V Q I S E N C V I E G T I D G L S K G E K S L K P N E L P S G V I F R A V S L L E R D G D V I G V V F F V Q I S E N C V I E G T I D G L S K G E K S D S K A S G S V V F K E E D G V V K F T A V I D G L S K G E K S D S K A S G S V V F K E E D G V V K F T A V I D G L S K G E K S D S K A S G S V V F K E E D G V V K F T A V I D G L S K G E K S D S K A S G S V V F K E E D G V V K F T A V I D G L S K G E K S D S K A S G S V V F K E E D G V V K F T A V I D G L S K G E K S D S K A S G S V V F K E E D G V V K F T A V I D G L S K G E K S D S K A S G S V V F K E E D G V V K F T A V I D G L S K G E K S D S K A S G S S V V F K E E D G V V K F T A V I D G L S K G E M A T A E L Q P T N T V I T G K V H F M Q H K H G V K V S G Q L S G L K P N E I D C M S T T T V T N G T S A G K V V F E D S Q Y G L L K P D L G G L E P G V V Q L L L K P D A G A Q V G T A T L A K S G D H V E L T V E A H G L Q P G F T A V L T T V E A A F Y D K D G K V E V H T T A T G L A P G F T T T V T T N G T S A G K V V F T P Q L V F T P Q L A P G F T T T V T T N E S A G T I L E F T A L D T T T T T T T T T T T T T T T T T T
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UniRef90_B4VMF1 UniRef90_H8GNJ6	A S T A T A V I N S P S E V L G E A E F T T T A D A M L I E V T M T N A P S G E Q G T V K A I G S I K I T E L P N G L V F T P V L E G L P A G E A T A E I K T S G N V V G E A T F T E S D E P V T V S V R I T D L P A G F
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UniRef90_D9QSC9 UniRef90_M1GJ24	KSGTQTQTATLSQNGKQVTLDVNVYKLTPGKAKAIIKGGPGLKGVVYFKAVPGGTRVIVEVKGLPPGPNGIKQSIGTVTFTDTDKGLQIKTDLKGLPAGEAVAMVAGGAGLRGRVQFTQRPGGVAVDAHLHGLPKGFNGSGGNVGTATIVSEGNHLVITVEAQGLTPGFNKLLGVVRLQQTAEGPLVDGSIDGLSPGR
UniRef90_E6U3L4 UniRef90_U5EAR6	A <u>V</u> A <u>M</u> V A G G A G <u>L</u> R G R <u>V Q F T</u> Q R P G G V A V D <u>A H L H</u> G L P K G F N G S G G <u>N</u> V G <u>T A</u> T [ <u>V</u> S E G N <u>H L</u> V I T <u>V</u> E <u>A</u> Q G L T P G F
UniRef90_H9IWR6 UniRef90_UPI000311353F	N K
UniRef90_K9DG47 UniRef90_A0A031LV15	G
UniRef90_H5UYK8 UniRef90_Q1Q9H6	T VN I I N S K G A DL G T A RL S Q I G D K V Q I L I E A H N L P P G I G D G S A R G T A V V T Q A G D G L H V V V K A Q G L T P G I Q G V H D Q I G T I S F Q D S D K G L V I T T D L T K L S P G Y Q G L G Q S I G E V K I E E T D N G L K F T P D L K A L P P G E V T G D K N E V G Q M F L R P V D G G V Q V Y G K L M N L Q P G Q A M T A S A V L K S G S T V Q G S V K L A Q Q G D N V A I A V D I S G L P A G M
UniRef90_B2UA14 UniRef90_Q944N5	P GIL I
UniRef90_UPI000380A02F UniRef90_C6X3H3	VEMMNPSGEKMGTVMLEQHDDGVVFTPSLRGLEPGG KSGTDTQGTAKFTQQGKNVELDLNVYKLTPGA
UniRef90_A7RX84 UniRef90_J9YAW6	DDDGVVFTPNLSGLTPGL
UniRef90_F6B421 UniRef90_I1NC47	DDDGVVFTPNLSGLTPGI SAVASAQIRGGPQICGVVYFTDVPDGVWVSVDVTGLPPGP VKAVAVLGSSEGVTGTIFFTQEGNGTTVTGSLAGLKPGL ATAALLTPSGGTAGVASFDTVEGSVVISVTAENLAPGF TGKTVGHLTLSQNEYGVVFTPDLADLTPGM
UniRef90_UPI000366A012 UniRef90_D0Z3U6	A I A A L L T P S G G T A G V A S F D T V E G S V V I S V T A E N L A P G F T G K T V G H L T L S Q N E Y G V V F T P D L A D L T P G M
UniRef90_F8F8H4 UniRef90_Q59689	GTSI GKAKLSQAPDGVRIQLDAAHLPPGP NQEI GKVVITESAYGLVFTPELKNLTAGL NPLGTLELEENLYGLIFAPNLSSLPEGF
UniRef90_C7DY68 UniRef90_E8X1L4	VPI KISIGDDAGIASENENKKGIIVKLALKNLPPGD
UniRef90_V4BH25 UniRef90_X7EII7	S P A A T A L M D P S G A E V G M V E L F E T N D G L L F N V E A S D M P E G G
UniRef90_N6YFB2 UniRef90_UPI0003B6F203	A S A T A MLMT A T G A P V G R A T A T E V G G G V R F T L D A S G M P A G T V K G K T T L T G R L A G F K T D E
UniRef90_G0WPB5 UniRef90_P57005	VNGNKDV GTVTLTESNYGLVETPDLQGLSEGL
UniRef90_I0JN19 UniRef90_Y0KEV1	VNGNKDV GTVTTTESNYGLVFTPDLQGLSEGL DLKGAMYFYEMPYGVEVFVQVEGLPEGP TAETQGLGADVGTLRLVETPYGLAFYPALKGFPPGL
UniRef90_V8D534 UniRef90_U2EGZ7	A I A ELLI PS GEPAGKATFTT A EGSVI VSVKAENLAPGF A I A ELK GGPELRGEV VFEEVEGGTI VYVNVDGLPNGP
UniRef90_A6CTU1 UniRef90_S9QM47	A T A E L T P S G E P A G K A T F T T A E G S V I V S V K A E N L A P G F A I A E L K G G P E L R G E V V F E E V E G G T I V Y V N V D G L P N G P V D L K N A V G D S L G K A T L Q E M S S G V E M D L D L V G L P P G V R S D S L T T G K A T F T E S G D K V T L D L E V A G A T P G L V K L H N A S G D E V G T A K V V Q Q T S G V K I T I K G E G F T P G P S G T V S G S I T A T E T E Y G T V F T P N L E G L T A G L
UniRef90_UPI000310C9DC UniRef90_U3ALK6	VKLHNASGDEVGTAKV VQQTSGVKITIKGEGFTPGP SGTVSGSITATETEYGTVFTPNLEGLTAGL
UniRef90_G1EDY0	

UniRef90_UPI0003B60578 UniRef90_F7VIX5 UniRef90_UPI0003484B14 UniRef90_A3TWS1 UniRef90_A3TWS1 UniRef90_UPI00047B69C3 UniRef90_B0RLV5 UniRef90_UPI00036B5C76 UniRef90_UPI000262B30C UniRef90_UPI000262B30C UniRef90_UPI000262B30C UniRef90_UPI00021A7635 UniRef90_UPI000370F3D2 UniRef90_UPI000370F3D2 UniRef90_UPI000370F3D2 UniRef90_UPI000370F3D2 UniRef90_B1LE68 UniRef90_B1LE68 UniRef90_B1LE68 UniRef90_B1LE68 UniRef90_B1LE68 UniRef90_B1LE68 UniRef90_B3HKF2 UniRef90_A0A014Q6C8 UniRef90_AVARZ6 UniRef90_AVARZ6 UniRef90_UPI00047C9B13 UniRef90_UPI00047C9B13 UniRef90_UPI00047C9B13 UniRef90_UPI00045717DE UniRef90_UPI00045717DE UniRef90_UPI000374F990 UniRef90_UPI000374F990 UniRef90_NGWXF0 UniRef90_NGWXF0 UniRef90_A0A017T8S5 UniRef90_NGWXF0 UniRef90_A0A017T8S5 UniRef90_NGWXF0 UniRef90_NGWXF0 UniRef90_UPI00035E1763 UniRef90_UPI00036BD7A3 UniRef90_UPI00035D35E2 UniRef90_UPI000360A02F UniRef90_UPI000360A02F UniRef90_UPI000360A02F UniRef90_UPI000360A02F UniRef90_UPI000360A002F UniRef90_UPI000360A002F UniRef90_UPI000360A002F UniRef90_UPI000360A002F UniRef90_UPI000360A002F UniRef90_UPI000360A002F UniRef90_UPI000360A002F UniRef90_UPI000360A002F UniRef90_UP	HILL   HILL	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
UniRef90_J9YAW6 UniRef90_F6B421 UniRef90_I1NC47	H G F H V H Q N G D C S P A M K D G G G H F D P E D T G K H A P W S E K G H E H G F H I H E F G N C E V G D P H N P F Q A A G G H W N P T N Q P H G N H A H G F H V H A L G D T T N G C L S T G A H F N P N N N E H G A P E D E N R H A H G M H I H A V G K C E A N S V S P G D F L S A G G H L Q V E G N D S H P A S H G F H V H Q N G S C T I L G G A A G G H Y D P E K T G K H G P W S T D N H F H G F H F H E T G R C E P D F K T A G A H F N P T G R K H G P W S D D A H L H G F H V H V N P S C D T K D G A A G G H Y D P Y Q T N K H G P Y N N N G H H A V H I H Q K P L C D P D F K S A G G H F N P E M K Q H G T L N P M G H H A V H I H Q K P L C D P D F K S A G G H F N P E R D H G R R R G N L R H I H G F H V H Q T G E C A D D F T S A G D H Y A P N G N S H G L M A E G G P D A K A L H I H S V G T C E D G F V A S K G H L N P H A K P H G L M N P E G P D A H G F H I H E H G K L G N Q C K D A G G H Y N P T N K T H G G P A S A E R H N H G F H I H E H G K L G N Q C K D A G G H Y N P T N K T H G G P A S A E R H N H G F H I H E K G C E L G E G K D P F A S A G G H W N P D Q Q P H G N H A G F H V H F K P S C L V A A G G G H Y N P T N K T R H G F P W G D G H H G F H V H F K P S C L V A A G G G H Y N P T N K R H G F P W G D G H H G F H V H F K P S C L V A A G G G G H W N P D Q Q P H G N H A G F H V H F K P S C L V A A G G G G H W N P D Q Q P H G N H A G F P W G D G H L G F H V H F K P S C L V A A G G G G G G G G G G G G G G G G G	
UniRef90_V8D534 UniRef90_U2EGZ7 UniRef90_A6CTU1 UniRef90_S9QM47 UniRef90_UPl000310C9DC UniRef90_U3ALK6 UniRef90_G1EDY0	H G M H L H A V G K C E A N S T P P G D F L S A G G H L Q V E G H S G H P A S H G F H I H E N G T C V V G N Q S K P F L E A G D H W N P T N Q P H G N H A H A I H I H E K G K C P P D F V S A G D H F N P D D N E H G L L H P K G A H A H G A H I H Q T G D C T A A D A A S A G G H W N P A G V S H G S A D P G H H L H G L L N P K G A E N H G L L N P K G A E N H G F H I H T N P S C T V M G G A A G G H Y D P A K T N K H G P W T E G N H I C T S A G P H F N P H G K K H G G P Q D Q E R H N C T S A G P H F N P H G K K H G G P Q D Q E R H N C T S A G P H F N P H G K K H G G P Q D Q E R H N C T S A G P H F N P H G K K H G G P Q D Q E R H N C T S A G P H F N P H G K K H G G P Q D Q E R H N C T S A G P H F N P H G K K H G G P Q D Q E R H N C T S A G P H F N P H G K K H G G P Q D Q E R H N C T S A G P M F N P H G K K H G G P Q D Q E R H N C T S A G P M F N P H G K K H G G P Q D Q E R H N C T S A G P M F N P H G K K H G G P Q D Q E R H N C T S A G P M F N P H G K K H G G P Q D Q E R H N C T S A G P M F N P H G K K H G G P Q D Q E R H N C T S A G P M F N P H G K K H G G P Q D Q E R H N C T S A G P M F N P H G K K H G G P Q D Q E R H N C T S A G P M F N P H G K K H G G P Q D Q E R H N C T S A G P M F N P H G K K H G G P Q D Q E R H N C T S A G P M F N P H G K K H G G P Q D Q E R H N C T S A G P M F N P H G K K H G G P Q D Q E R H N C T S A G P M F N P H G K K H G G P Q D Q E R H N C T S A G P M F N P H G K K H G G P Q D Q E R H N C T S A G P M F N P H G K K H G G P Q D Q E R H N C T S A G P M F N P H G K K H G G P Q D Q E R H N P T S A G P M F N P H G K K H G G P Q D Q E R H N P T S A G T S A	S G G G G G N G L

UniRef90_UPI0003B60578 UniRef90_F7VIX5 UniRef90_UPI0003484B14 UniRef90_A3TWS1 UniRef90_UPI00047B69C3	90  D M P N Q F V D Q H G V L R A Q V F N S M A T L D G K E D V R G R A L M I H A N D L P N L Y V A A D G T A T V E L Y S S L V S L N A L L D A D G S S V V I H A N D L P A L Y A G A D G R A T Y P V L A P R D M P N Q Y V S A D G T L K A Q V L N R Q V F L G G E Q N A S G R A L M I H G G D L P N I L S E N G K A E A T L M A P Q L T L D K K N S L L G T S L V I T D G
UniRef90_X6L383 UniRef90_BORLV5 UniRef90_G2EC85 UniRef90_UPI00036B5C76 UniRef90_UPI000262B30C UniRef90_E3BPX8	DLPNIIS ENGKAEATLMAPQLTLDKKNSLLGTSIVITDG DLPNLFVSEDGIGEMEAYTTMVTVEELLDEDGSTFIIHES DMDNLRADAEGVAHLDMILSDITLGDPSDVLGKALIVHAY DIGNLEADEKGNATITFSTDQWCIGCAKDIVGKAVIVHKG DLPVLMVDQEGNATTTPVVAPRLELS DLQGHALMIHQG DMDNLNANADGTAQVDVLAPRVKLS DVANRALMIHAG
UniRef90_UPI00021A7635 UniRef90_UPI000465C211 UniRef90_UPI000370F3D2 UniRef90_H8H0U3 UniRef90_J3E2W3 UniRef90_B1LE68	GRAIVVHSGDLPSVKADASGVAAIHFESRTIRVGSANDIVGKGLIVHRDDFPVLFSN HGYARMSFFTDRFRVS DIIIGKSVIIHENDLPMLNVGADGVGRATFMTDKLSLTGMDGVLNRSLVIHAQDLPALYVGADGKASYPVLAPRLKVA DFKGHALMVHAGDLPALYVTHDGKATYPVLAPRLKVA DFKGHALMVHAGDLPALYVTHDGKATYPVLAPR LSELKELDGRSLMLHAGAIGNVASDAQGRATFTLSASQL NVWDIIGHALVVHERDDLGNFPADENGRGSITYSSVKGCT
UniRef90_E9CI70 UniRef90_A2TP84 UniRef90_G2INQ0 UniRef90_A0A014Q6C8 UniRef90_D3HKF2 UniRef90_A4XRZ6 UniRef90_W5TS08	DLPSLRANADGVALVNYETAQISLSGDNDVTDRGLIVHAN
UniRef90_Q98TP6 UniRef90_UPI00047C9B13 UniRef90_U3AAJ4 UniRef90_E5CUB4 UniRef90_F1PAS8 UniRef90_UPI0002DEE20C	DL PAL L VT E D G T A S Q P V L A P R L K N L Q D L H N R S L MI H A G D L T S L E V R K D G T A K L V T T T D A V T L D E L K G K A L MI H A G D L G N V T A G A D N V A E I N I S D K M L T L N G P N S I I G R T M V I H E K D L P S I Y I N D D G T G E I R S L S D K L S H E L L L D D D G A A V I V H E D D L P P L Y V D M D G N A N Q P V V A P R L K L S D L K G R A L MI H A G E L P S L V A D G S G V A R F S V D V H S I S L G T A N N V V G R A L V V H R D D F G N F A V R D G R V R K H R G G L A A S L A G P H S I V G R A V V V H A G D M P N L K V D E K G S G N G R F M L E G G T F A G L L D E D G A S L V V H A G D F P N L E T K H G K I R E L L H N L R V T M Y P P P G T I I I H A G D M P N L H V G K T G K I K I K I E N F I H G I I S P N T P P P G T I I I H A G
UniRef90_UPI00045717DE UniRef90_UZXQU8 UniRef90_F0RJF8 UniRef90_UPI000374F990 UniRef90_A0A017T8S5 UniRef90_K5UFG8	DFPNLETK HGKIRELLHNLRVTMYGPDSILGLGIVLHEGDMPNIHVGKTGKLKIENFIHGLILSPNTPPPG TLIIHAGDLPMLQVGENGSGQASFVTDKVSLMGENGVLNRTLVVHANDMPNQYVDQDGVLRAQVFDGMVTLDGKTDVRGRALIVHANDMGNLTAEKDGNVNFEFVIKGANLDDAKSLIERAIILHAKDLPALYVNAHGVADQPVLAPRVKLD DVKGRALMVHAGDLPTLYFDDSGKATLPVLAPRLEYS DLDGRALVIHAG
UniRef90_N6WXF0 UniRef90_E6WDI1 UniRef90_UPI00035E1763 UniRef90_UPI000368D7A3 UniRef90_UPI000368D7A3 UniRef90_W9BZ00	DL PALFVI DE GKADYPV LAPRI K SESEI KGKALMV HMG DL PPLYVDASGNATNPV LAPRLK TADLTGRSLMV HAG
UniRef90_W0BCM8 UniRef90_X6GN52 UniRef90_UPI00047CE116 UniRef90_Q46A25 UniRef90_UPI0003292C09 UniRef90_UPI0003800829 UniRef90_UPI00037CC723	DLPAILYVADTGEASYPVVAPR LKSLTELKGKALMVHVG DMPNLVVASDGSGRMDYAIRGARLTEMLDADGAALVIHAK DLPVLYVNKNGTANTITLAPRLKTSNLQN MSVMIHAG DMPNQRVGADGVLRAQVFNSMVKLDGETAIRGKALMIHGG DLPSLYVTESGQGSLMALTDGFTPSELLAADGNAAMIHED DLPNLKVGKDGTGHMSVTTDRVTLSPLFTANGTSLVIHAD DLGNVQADADGRAVFRIEDEQLK DMPNQYVGSDGVLRAQVFNSMVVLDNENGIRGRALMIHAA DLPNLLDVAADGTATAEFFVPDLTIHGLHDADGAAIMIHAA
UniRef90_B4VMF1 UniRef90_H8GNJ6 UniRef90_M3TQ83 UniRef90_UPI00035D3582 UniRef90_D9QSC9 UniRef90_M1GJ24	DL GNI TII A E D G I G I K SL I V E K L M F I E G N Y A I G K S V I L H E K DL P K L V V N T N G K V T E S V M A P R L R M E D V K G R A L V I H A G D L V S I N I L E D H T G R T V T T T D S V T L E Q I F G K S I I I H E K D I G N L V A G K D G V A R L V F S T D K W C L G C T K N L Y G K S I I I H A G D L P V L F S N N G F A R M S F F T N K F E V E D V I G R S V I I H Q N D L P R I V V K A D G L A K F T I L A P R T T V K F I K G R T V M I H A G
UniRef90_E6U3L4 UniRef90_U5EAR6 UniRef90_H9IWR6 UniRef90_UPI000311353F UniRef90_K9DG47 UniRef90_A0A031LV15	DEPPLLETENGAAYLISEFTSRETV  RQVIGRSVVTHLN  RQVIGRSVVTHLN  NVKGKALIVHSG  NVKGKALIVHSG  NVKGKALIVHSG  VWDVIGRSMGVTER  DLPNIEVGADGKVRANITTTTVTLEKPNSLLGTSLIIHDK  DMPNMQAKPDGSGELEYVVPGGAISPLLDADGAAIVIHAQ
UniRef90_H5UYK8 UniRef90_Q1Q9H6 UniRef90_B2UA14 UniRef90_Q944N5 UniRef90_UPl000380A02F UniRef90_C6X3H3 UniRef90_A7RX84	D L P V L V V D K E G M A K E A V T A P R L K S L D E V K G K A L MI H A G D L P N L T A N A D G V A T I N Y V N K K I S A A D K Y S V N R L A F I V H S G D I P M L Q S D A N G K A V G S I V L S G V T L S P P T S L V G H A L I V H A G D L G N I T V G E D G T A A L N I V D K Q I P L T G P H S I I G R A V V V H S D D L P L L Y V G E D G E A K H P V I A T R L T L N D V Q D R A L M I H A G D I G N L N A N Q Q G T A R L V F K T D Q W C L G C T K N I V G K S L V I H A A D L G N V W S D Y H G N V R T S F F D H M V S L Y G P D S V I G R S I V L H A E
UniRef90_J9YAW6 UniRef90_F6B421 UniRef90_I1NC47	DLPVLYVDENGNATQPIFAPELELD DFPALFSN QGRAKMCFFTDKFTVAQ VIGKSVIIHEN DLGNVNVGDDG
UniRef90_Q59689 UniRef90_C7DY68 UniRef90_E8X1L4 UniRef90_V4BH25 UniRef90_X7EII7 UniRef90_N6YFB2	D L P A L F V S A N G L A T N P V L A P R L T L K E L K G H A I MI H A G D L P N I E A D K N G M A K A D F V M K G L T L E K L L K E G G T S L V I H E K D L P A L A V N Q D G T A N N P V L A P R L K H L D D V K G R S L M I H E G D L P A L Y V D E Q G R A T M S V I A P R L K K L S E V K G H S V I I H I G D L Q N V T V G P D G T A N V S F K V P Y L S L D A P N N I L G T S I M I H E K D F G N V R E D G N G N I I A E F P V P Q T S I V G P R S V I G R A V V L H A L D L P N V F A S A E G D V R A D L T S T V L S L E P I M D D D G S A I I V H E N D L P N L F V H A D G S V E A E F F T T L A S L T R L L D E D G A A L V I H E N D L P N L V I G T D G R G N I G A T I P A A T L A G M M D A D G A A M V I H A Q D L G N V K E D S S G E V Q V N I E D S I V K L E G L N T V I G K A I V V H A K D L P A L T V L H D G T A T N P V L A P R L K H L D D V R G H S I M I H T G D F P V L F S N Q G R A R M I F T D R F R V K D I I G K S V I I H Q Q D L P P L Y V A T D G S A S N A V L A P R L K L A D V K N R A L M I H A G D L V S I F I D E A G N G E T T T A S D A F S I E
UniRef90_UPI0003B6F203 UniRef90_G0WPB5 UniRef90_P57005 UniRef90_I0JN19 UniRef90_Y0KEV1 UniRef90_V8D534 UniRef90_U2EGZ7	DLPNLVIGIDGRGNI GAILPAAILAGMMDADGAAMVI HAQ DLGNVKEDSSGEVQVNI EDSIVKLEGLNTVI GKAIVHAK DLPALTVLHDGTATNPVLAPR LKHLDDVRGHSI MI HTG DFPVLFSNQGRARMI FFTDR FVKDI I GKSVI I HQQ DLPPLYVATDGSASNAVLAPRLKLA DVKNRALMI HAG DLVSI FI DEAGNGETTTASDAFSI E DI I DTSI MI HEK DFPVLFSNNGRSI MTFFTNK FTVPEVI GKSVI I HQN DLPNLI VEDDGSYKGKI MAPLVTLTKLFTKEGTSI VI HEG
UniRef90_U2EG27 UniRef90_A6CTU1 UniRef90_S9QM47 UniRef90_UPI000310C9DC UniRef90_U3ALK6 UniRef90_G1EDY0	DFPVLFSNNGRSIMTFFTNK FTVPEVIGKSVII HQN DLPNLIVEDDGSYKGKIMAPLVTLTKLFTKEGTSIVIHEG DLGNIEIGQDGRGTLKLTKQAWKIGDAQDVVGKALVIHAG DLPNVVADGSGKIKAEIDAPHITLTTIHRKDGASIIITEN DLPPLFVDADGKASQPVLAPRIKLSDLKD RALMIHAG DLGNVTANKDGVAKVSLTDSLISLNGPQSIIGRTMVVHEK

		130 140	150
UniRef90_	UPI0003B60578 F7VIX5	130  R S Q P A G D A G A R L A C G V I P D D Y T T Q P I G G A G D R V A C A V I G D N B S Q P A G D A G D R V A C A V I G D N B S Q P S G D A G D R I A C G V I A D D Y G M S Q P A G N S G Q R I A C G V I A D D H C S Q P I G G A G A R L A C G V I R D D D Y R S Q P S G N A G A R L A C G V I R I D D F K T Q P T G D A G A R V A C G V I R G D T Y A P E P E L G G G A R V A C G V I G D D Y R S Q P A G N A G A R V A C G V I G D N B D D Y C P A G N A G A R V A C G V I G D N C P A G N A G A R V A C G V I G D N C C G V I G D N C C G V I G D N C C G V I G D N C C G V I G D N C C G V I G D N C C G V I G D N C C G V I G D D C G K G S S P L S A S T G N S G D R W A C G I I	100
UniRef90_	UPI0003484B14	GDN HSDNPÄPLGGGGARLACGVI	
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UniRef90_ UniRef90	_X6L383 _B0RLV5	A D D H L S Q P L G G A G G R V A C G V I R A D D Y R S Q P S G N A G A R L A C G V I R	АТК
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UniRef90_	B1LE68	GDN HDDHPEPLGGGGARIACGII	
UniRef90_ UniRef90_	_E9C170 _A2TP84	T D D F T S Q P S G A A G A R I S C G G I	RS
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UniRef90_	UPI00045717DE	KDDLGKGGNPESLIHGNSGKALACCTIA	∐S S
UniRef90_	FORJF8	K D D L G K G G N P E S L I H G N S G K A L A C C T I A G D D Y I S Q P S G A A G K R I A C G V I A D D Y A S D P A G K S G G R L L C G A V Q R S Q P A G D A G G R I A C G V I G D N Y A S E P E P L G G G G A R I V C G V I G D N Y A S E P E P L G G G G A R I V C G V I G D N Y A S D H P Q P L G G G G A R F A C G V I G D N H A D H P Q P L G G G G A R F A C G V I G D N H A D H P Q P L G G G G A R F A C G V I G D N H A D H P Q P L G G G G A R F A C G V I G D N Y S D N P E G G G G A R F A C G V I A D D G M T D P S G N S G D R L A C G G G D N Y S D N P E G G G G A R L A C G G G G D N Y S D N P E G G G G A R L A C G V V P D D Q M T N P T G N S G A R L V C G V I	R
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UniRef90_ UniRef90_	N/11(±.124	(i l) N Y S l) K P II IP II (i (i (i (i A R II A (i (i V I I	
UniRef90_ UniRef90	E6U3L4	PDDF TTQPSGNAGPKIACGVIAADNFGTGPDETTLSTGDAGSRVACGVVGGDDCGRG DGTSRVDGNSGPILACGLIA	
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UniRef90_		ADDY TDPTGNSGDRIACGAI ADDY KSDPTGNAGGRVACGVLS	V
UniRef90_		A D D Y   T D P T G N S G D R   A C G A   A D D Y   K S D P T G N A G G R V A C G V L S G D N Y S D Q P K P L G G G G D R V A C G V I G D N M S D K P E P L G G G G A R Y A C G V I V D D Y T S Q P A G N A G D R V A C G I I K D D Y T T Q P T G N S G G R I A C G V I P D D L G R G G H E L S K R T G N A G G R	
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UniRef90_UPI00034BCC07	
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UniRef90_A1U409 UniRef90_D2BZY0	V
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UniRef90_B5X798	NVY GQV LFK QEEGSLKV LFLLHGFPSSD
UniRef90_UPI0004650F14 UniRef90_UPI00031D66C4	I MAAD GSAR GTASVITEAAD GILHVI VIKAO GILTP GIL
UniRef90_UPI0003B763E8	A S G A S A G T A F II I I IQ G P D G F R IV I <mark>H</mark> IV ID A K G II I <mark>P P</mark> G IV I
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OHIIVEIBO_KBJBEJ	ALLA WILLO BITA QLO GIL VIN F T E I F T GIV L VE A EILF GIL IP N D F

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UniRef90_H8FMZ1 UniRef90_A0A017RR89 UniRef90_J6IXR2 UniRef90_A6TWM1 UniRef90_D0T7E6	DEPAL VVA A D GT A G S PILLA P HILKILS DILIR GHALIMI HA G DEP V L F S N N G M A M M S F F T N K F N V E D L I G K S V I I H Q G DLP N V H V G E N G R A V A E F Y S D K L T L Y S L L T Q N G T A I MI HA N D F P V L F S N N G K A R M T F F T N K F K V Y E A I G T A V I I HE N D L P A L T V D S N G K A N Q T L L A P R L T L S Q I Q G L S V M V H A G
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UniRef90_A6CNZ4	S D D Y P D D M K T D P S G N S G G R I A C G V F A A S P D D Y R T Q P A G D A G K R L A C G L I C G V F A A S R T Q P A G D S G D R I A C G V
IUIINEISU AAUNIII	
UniRef90_UPI0003624939 UniRef90_I3CUN2	A D N Y S D N P  G D N H A  D H P A AL G G G G A R L A C G V I
UniRef90_D1NYM3 UniRef90_B8Q5D8	G D N Y S D H P E V L G G G G A R M A C G I I A
UniRef90_Q2KAD3 UniRef90_Q02CR0	
UniRef90_P20379	PDDH KTQPIGGAGARVA <mark>C</mark> GVI
UniRef90_UPI00046F278F UniRef90_UPI0003702F60	
UniRef90_UPI000443811A UniRef90_W8ABQ5	A D D Y  K S Q P S G A A G S R II A C A V I A  V D D L G R G G D P A S L E H G N S G P R L A C C V V S L C  A D N F G N A P D A D T L A T G D A G A R V A C G V V A
UniRef90_I2BD75 UniRef90_G2WYE8	G D N <u>Y</u> A
UniRef90_Q0FM22 UniRef90_M1PD74	T D D L G K G G H A E S L K T G N A G P R P A C G V I G I S N P D S Y G E E A G A G S R I A C G V V E A A S G D N Y A D V P S P L G G G D A R L A C G V V
Unikei90_AUAU24L5K1	EDIFSS  V GAGGAR L A <mark>C</mark> G VI
UniRef90_UPI0001DD08B6 UniRef90_F1A3R8	PNEILERI YNG NNNNNN NIL IN GILGGGGGGGGA
UniRef90_UPI0003654C5E UniRef90_A0A023FDR9	PDDY RTQPAGDAGKRLACGVI EDDLGRTTHPDSRSTGNAGGRLGCGVIGLSR
UniRef90_R9J9F5	PDDF KSQPSGGAGEKI G <mark>C</mark> GVI

	1 10 20 20 40
UniRef90 X5K1M6	1 10 20 30 40 KSGTATGGTVTFKQMGKNVVMNVDAKGLTPGV
UniRef90_B4NMT0	A V A V I N T T G P V Q G V V R F T N N A P G M V V D G V V D G L N P G T T G E S V G T V T I S S H P Y G T V F T P H L K N L P T G I P D G T Q V A T A K F E F D P G Y V T I T V R T T G L T P G F V S G R L A L V P D A R G V H I T G V I G G L Q P Q V D G V G E S V G S V Q V T R S K Y G L V F T P D L K G L E P G I A V L E P T R G Q G A G G R V M F H Q M G D Q V M V H A M V K G L K P N E
UniRef90_F5SX14	T G E S V G T V T L S S H P Y G T V F T P H L K N L P T G L
UniRef90_A72W09 UniRef90_UPI0002E1AB53	VIS G R L A L V P D A R G V H I T G V I G G L Q P Q V
UniRef90_H0JCD1	D GVG E SVG S V QVT R S K Y GL V F T P DL K GL Ë P ĜI
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UniRef90_UPI000225E6EA	VIA T A V L L D N T G A P T G E A R L F A Y D E T V E L A V T V Q G L A P G E
UniRef90_K7B0B7 UniRef90_V4P4S2	PDGSDRGTI TILKPAPNGI I IRVFAKGI TPGW
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UniRef90_UPI00034B4673	NTDGSIIGNVQFYEKDKSVIMEAFFEGVPGGFVATAVLLDNTGAPTGEARLFAYDETVELAVTVQGLAPGEKDGNTAVGRVVAVNTPFGVALYPNLKGLTPGMPDGSDRGTITIKPAPNGLILRVEAKGLTPGWLDQTGKVTGTATFSPSPIGTRVSIEVSGLKAGPNAEGQVVGQATFRPEPIGTRASVEVSGLQPGPNAEGQVVGQATFRPEPIGTRASVEVSGLQPGPNAEGQVGQATFRPEPIGTRASVEVSGLQPGPAKGPGSELGSVSLADSKYGLVLTPALKGLPPGVQAGAVLNGEGGAAGMITFQLEAYGGKSRVTVHVRGLTPGFQAGAVLNGEGGAAGMITFQQLPYNIKVTINITGLPPGK
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UniRef90_UPI00037D9848	L D P A G A N A G S VT L T P T L A G T Q V S V R V S G L T P G Q D G T D I G T A H L S P V G G G V L I D A E I S G L P A S W A P S A V A W V R G G A A I S G L V K F Y H T P G G V L V E A E I F N L P P G F G K S A G T V A L E Q T K E G L K F T P D L K G L P P G E D G A D L G T V S V R D T P S G A A L T V T L K N L P A G T
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UniRef90_I1AWG1	D G A D C G T V S V R D T P S G A A C T V T L K N L P A G T
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UniRef90_M7YGP7	_ IKNAKGDAI GSLTIRDGANALVLRVAI QGLPPGW
UniRef90_UPI00032993F8 UniRef90_F6EIT4 UniRef90_M7YGP7 UniRef90_X5MHC6 UniRef90_G2I503 UniRef90_G6EJI8 UniRef90_R5PIS1	F E Q Q D S P V K V T G E V L G L S K G Q  A D G T E   G V T F S E T E D F L R   R A V   D D L S P G F  V D   I   G G E G T S   G T A T L H D A P T G V L M R   E L D G L E P G W  L L G T D G A P H G N V Q V T A A P H G V L L R   T A Q G L T P G W  L L G T D G A P H G N V Q V T A A P H G V L L R   T A Q G L T P G W  L L S K D G K P   G N V V I V K N A Y G L A F Y P Q L K D L A P G L  G V G D K   G S V V L E D S E Y G L L T P K L S D L T P G G R  Q A G A K L T G E G   E G M   T F Q Q L P Y N I K V T L N A T G L P E G K  L L N A E G N T   G T I S L N D S E F G L V L T P N L S S L T P G V  E S S G Q S V G E L T I T A N Q Y G T V F S P E L S G L A P P G L  K S G N V D G T   N F T E K N G F V T M V Q S V T G L E E G D  K S G Q S V G E L T I T A N Q Y G T V F S P E L S G L A P P G L  K S G Q S V G E L T I T A N Q Y G T V T V N V R V T G I A P P G G E  Q G L G E K I G T V S L E D T A K G L K   Q T N L S N I P S G P  K O P D G P Q Q K V G T I K I E Q T K Y G A L L T P V L E G L P P G V  V A G P D G P Q Q K V G T I K I E Q T K Y G A L L T P V L E G L P P G V  A T A N L A E T A D Q S K S I G T A N L I G G P N G L I R V E L A G L T P G W  A T A N L A E T A D Q S K S I G T A N L I G G P N G L I R V E L A G L P P G V  A T P E G P G E S I G T V S F E D T P Y G V L I T P D I S G V P A N M  A V A H V N G S P N L K G V V F F S V P C G T E L V S V C I H G L P P G G C M G T E L V T V T V T V T V T V T V T V T V T V
UniRef90_G2f503	APKAVKI VQAGGGKI GEVITI TNGRSGVI I RI TASGI TPGW
UniRef90_R5PIS1	VELLSKDGKPI GNVVI VKNAYGLĀFYPQLKDLAPGL
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UniRef90_UPI00046F9CA9	TATGTL V GTDGANV GTVTVTNAPGGVLL RVNARNLTPGW
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UniRef90_R9J7D4 UniRef90_G2T317	A S A WL A G G N N L S GL A R F Y A T E E G T L V E V E V F G L P N N F
UniRef90_F8U8Q8	PEIKGLTPGE  IKGLTYLYQLEEGVYLKAYITGIPNSF
UniRef90_T2RFF3 UniRef90_H5TCN4	I K GIL I Y L I Y Q L E E G V I Y L K A Y II T G II P N S F
UniRef90_G2T9S8	LINTKGETI GHI QVITEAS G GVGI GLVAT GLITP GV
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UniRef90_A5GQR9 UniRef90_K5BHY4	S G E IV L IG S IV IM A R D I S D G L V I S P S II S G L IA A G A D G S T IV A K A E II E E D D D V A T IV T IV B T T O T C II T D G E
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UniRef90_T0I6R8	MT E A A D GL HVT NAT GL T P G
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UniRef90_W8C397 UniRef90_UPI000380B3B0	TATAEFVGTDGTDLGRATLMSGGKG <u>VLI</u> EMEVSGLPKDT
UniRef90_Q3L8V0	
UNIKEI9U_A3SZU8	VMDAEGAEVGTVTVQDTESGVALKLSLSNLPAGG TAATAQVAGKSDLTGSVTLTTASGRMLVKIDVTGVPTGT
JniRef90_A9DRR2	I A A I A Q W A G K S D L I I G S W I I L II I A S G R M L V K I I D W I G V P T G T

UniRef90_X5K1M6 UniRef90_B4NMT0 UniRef90_F5SX14 UniRef90_X7ZW09 UniRef90_UPl0002E1AB53 UniRef90_UPl0003816199 UniRef90_UPl00032DCA471	50  HAIHIHDKPDCSPDGTSTGGHWNPAGSDHGKWGAEHFHMGHGLYVHESGDISRGCASVGGTYNPRDS PPTERPAGHGFHVHEIASCDAKKKDGGSHYDPSNTGQHAPWSFEGHKGHGLHIHSVGKCEPNSVPPGDFLSAGGHYQAPGHTGEPESGAGFHVHERGDCSVDASSAGAHFNPAGQPHGRNSAGAHHAGHGFHVHTKPNCGAAEVNGGGHLDPRNTGKHAPWSDDGHLGHGFHIHDKGDCSSGDGMSAGGHLDPRNTGKHAPWSDDGHLGYGFHSGDPAGNSAGAHFNPAGGPYGDGHLGYFHSGDPAENEDGGHYNPCDKKHGGPYGDGHLGYFHSGDHYNPCDKKHGGPYGDGHLG	1
UniRef90_UPI0004574C2C UniRef90_UPI0004794798 UniRef90_UPI0000225E6EA UniRef90_R7BUB7 UniRef90_V4P4S2 UniRef90_Q9RU48 UniRef90_UPI00034B4673 UniRef90_A9I3N3 UniRef90_COCYN1 UniRef90_D6Y650 UniRef90_B4K573	YFHSGDHYNPCDKKHGGPQDEERHVGHGFHLHETGLCEPNAE DGPFTTAGGHFNPENTTHGSHAGHGFHLHTTGRCAPDFTSAGGHLNPSDEGHGLLDDDGSHMGHGFHVHQNPDCGMTDMKAGGGHWDPEKKGVHFPWDKNGHKGHAVHFHEKGSCSDDKFASGHVHSATPVTHGLLNKDGNDAGHGLHIHENPNCNPGPDAQGDPGASHNHDGPHARNDQGHGGHALHIHEHPRCESGPDAEGKLIASKNHDSPHTTNDRGHGGHGFHVHENASCDAKQQDGGGHYDPDGKKHGAPWSDDSHRGYAMHIHQFGDCSDNFANTGEHYNPTS MPHPDHAGHGFHIHNTGVCSDPATGSPFASAGDHLGHGKALRHPDHAGHALHIHTYGDVSEGCKTTGGQF	
UniRef90_G0Y291 UniRef90_UPI0003B73C4F UniRef90_UPI00037D9848 UniRef90_G5HQW6 UniRef90_V9RY89 UniRef90_I1AWG1 UniRef90_D2DJ56 UniRef90_UPI00032993F8	PHFNPNNLTHGAPEDEVRHAG HAMHVHVNPSCTNTTDAAGVVTVFGGAGGHFDPGGSNNHG VAFHIHETGECDPGFKSAGGHFNPTGAAHGFLAGDGPHAG YAMHIHQNGDCSDNFANTGEHYNPTNA AHPNHAG HGFHVHEKGSCEMPGGAAGGHLDPQNTKAHGPLATDGHLG HAIHLHETGDCEAEDFSSAGGHIAGDRAHGVLVEGGPHPG HGFHVHEFGDNTNGCTSAGPHFNPAGKEHGAPTDENRHLG NRHVG	
UniRef90_F6EIT4 UniRef90_M7YGP7 UniRef90_X5MHC6 UniRef90_G2I503 UniRef90_G6EJI8 UniRef90_R5PIS1 UniRef90_S2L619 UniRef90_UPI0003C39772	K G F H H E V G A C E D A F T S A G G H L D L E G A T H E G T G A  H G M H F H A V G D C S D P K F M N S K A H V N H D Q S K H G L N P D G P D E G  H G M H L H S V G D C S D T F K L S K G H I N F D D Q E H G L L N E N G P D N A  H G I H F H E K G S C E A P K F T S A G A H V H T P V V H G L L N A D A N D A G  H A M H F H A T G D C S Q G F Q K S G A H I N H H K T P H G L L N P E G P D F G  H G F H V H A N P D C G L T E M K A G G H W D P D K T G N H Y P W D D K G H K G  H G F H V H E N P N C M T A A K A A G G H F D P E E T G S H E G P Y G E G H L G  H A L H I H T Y G D L S D D C K A T G G Q F  H G F H V H Q T G N C E P V T K D G G G H Y D P D N T G K H G P W S T D N H K G	
UniRef90_A1RPI8 UniRef90_E0TFH3 UniRef90_S7VQ55 UniRef90_E8RTA0 UniRef90_UPI00046E7DE6 UniRef90_D0L2A2 UniRef90_UPI000329A9F2 UniRef90_V2TND4 UniRef90_V2TND4 UniRef90_C02V4	HAII HAHQVGDCSDGFQASGGHINPAGVPHGFLNAIGRSEA HAII HLHEKADCSEDGTSSGGHWNPTGQPHGAWGAEGYHKG HGVHFHAKGDCTAKFQNSGGHVHDASHVHGLLNPAANDDG HGFHVHQNPSCAPLEKDGGGHYDPTKAGKHGPWGNDNHKG HGMHI HANGQC APKDGEDFGAAGGHLQVGAANAHPSSG HGFHVHANGSCQPAIKDAGGHFDPQKTGKHEGPPITGHLG	
UniRef90_Q2KXJ8 UniRef90_A0A059FE52 UniRef90_UPI00029B54D3 UniRef90_W2EX22 UniRef90_F4A5W9 UniRef90_UPI00042A2D18 UniRef90_H0QXP0 UniRef90_UPI00046F9CA9 UniRef90_UPI00047BD546	H G F H L H D K A S C P V A A G A A G G H W D P D K S N S H G P Y D D S G H K G H G F H L H E K P S C D P S M V D G G G H W D P Q N T H A H G P Y D D H G H K G H G L H L H T V G D C S D T F K A S G G H V G K L D G G H G L L N P K G P E G G V A V H F H E H G D C G D M G E N T H G H W N P T N E N H G K W D S G A Y H S G H G L H H K K G V C P R S T D P A T G S P F F S A G P H L G S G S H P G H A G F G F H V H S V G C C D G D P D N P F T C A S G H W N P D N Q P H G N H A G H G F H L H E N A T C T T P A G A A G G H F D P D N T G R H G P Y S D D G H L G H G L H L H S N G V C D P S T T E P F S S A G G H L Q V D G H T G H P S S G H G M H F H E K A S C E A P K F T S A G A H V H T T K P H G L L H E N A N D N G H G L H I H A V G V C E P P Y S T S G G H F G P F S S E T P V E A N H P Y H L G	
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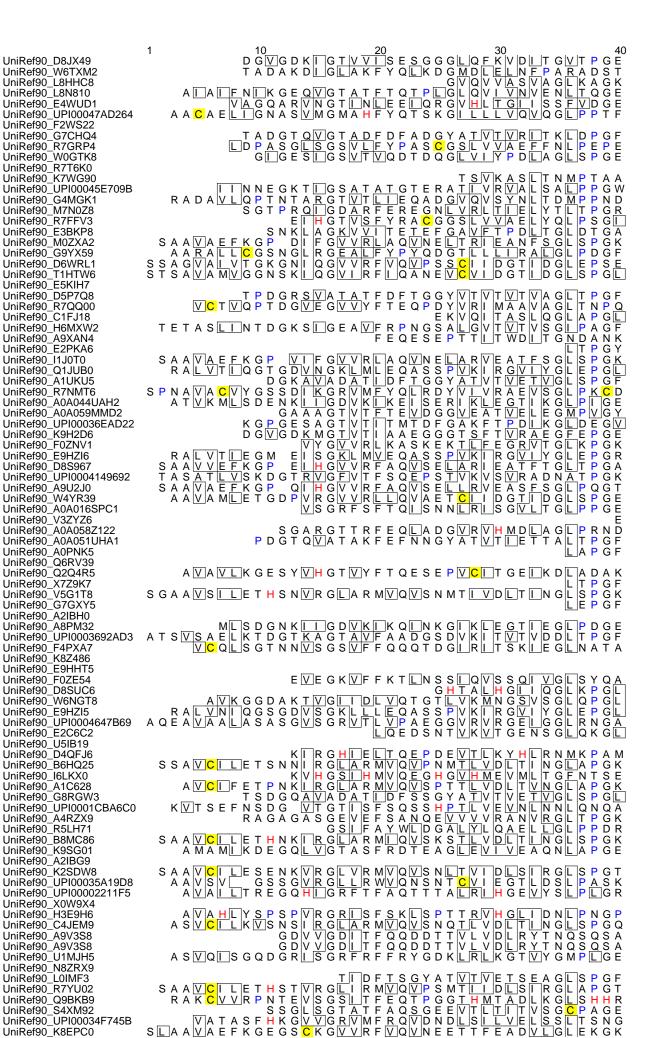
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UniRef90_G6EJI8	P A D D L G K G G N E E S L K T G N A G G R L A C G V I G I T Q P D N F A D V P D E Q T L A T G D A G A R A A C G V I E V S S P D D H T S Q P I G G A G D R V A C A V I E D D H M T Q P I G G A G D R V A C A V I G D D D Y H S Q P I G G A G D R V A C A V I G D D D H V T Q P I G G A G A R V A C A V I G D N F H D H P A A L G G G G G A R M A C G V I G D N Y S D D P K A L G G G G S R M V C G T V P I D I N S A L N A E P I P T V N V G A S L A C G V I G D N H S D H P A P I G G G G A R M A C G V I G D N H S D H P A P I G G G G A R M A C G V I S D D P A P I G G G G A R M A C G V I S D D P A P I G G G G A R M A C G V I S D D P A P I G G G G A R M A C G V I S D D P A P I G G G G A R M A C G V I S D D P A P I G G G G A R M A C G V I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S C G I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I I S I S I S C G I S I S C G I S I S C G I S I S C G I S I S C G I S I S C G I I S I S I S C G I S C G I
UniRef90_R5PIS1 UniRef90_S2L619	GDNF HDHPAALGGGGARMA <mark>C</mark> GVI GDNY SDDPKALGGGGSRMVCGTV
UniRef90_UPI0003C39772	P D D N S A L N A E P D T V N V G A S L A C G I I S L
UniRef90_E0TFH3	GDN HSDHPAPLGGGGARMACGVI PDDH ETQPLGGAGGRVACA VDDL TTQPTGAAGARVACAVV GDN HSDHPMALGGGGARMVCGVI GDN HSDHPMALGGGGARMVCGVI
UniRef90_S7VQ55 UniRef90_E8RTA0	VDDL TTQPTGAAGARVGCGII
	PDNFGNVPNEKTÜMTGDAGARVACGVISLEQGDNM SDSPKPLGGGGDRYACGVI
UniRef90_V2TND4 UniRef90_X47LG1	GDNY SDTPKPLGGGGSRIA <mark>C</mark> GVI
UniRef90_Q2KXJ8	GDNY SDTPKPLGGGGSRTACGVI GDN HSDHPMPLGGGGARIICGVV GDNYSDHPHAL GGGGARIVCGVV EDD ALSQPLGGAGARVACGVI
LUNIRA190 UP100029854D3	
UniRef90_W2EX22 UniRef90_F4A5W9	PDNEANGPDAET LKAGDSGGRI ACGVI QRA PDDY RTQPSGNSGKRLACGLIER
UniRef90_UPI00042A2D18 UniRef90_H0QXP0	G D T Y S D T P N L G G G G A R <u>F</u> A <mark>C</mark> G V I
UniRef90_UPI00046F9CA9	PDDY TTQP I GGSGDR V ACA V
UniRef90_UPI00047BD546 UniRef90_R9J7D4	PDQQKGGGTAME AGGGRI ACGVT RDDF TTQPAGDPGEKI GCGVI RR
UniRef90_G2T317 UniRef90_F8U8Q8	PDNF TTQPAGDSGER <u>I</u> A <mark>C</mark> G <u>VI</u> ADDL
UniRef90_T2RFF3	Y D D F T T Q P A G N A G S R L A C G V I
UniRef90_H5TCN4 UniRef90_G2T9S8	A D D Y T Q P T G A A G S R I G C A L L P D D Y S Q P A G N A G S R V A C G V
UniRef90_Q2T084 UniRef90_A5GQR9	P G D P A F P Q H G A G P A L A C G V V G D T Y S D E P P L G G G G A R I A C G V A G
UniRef90_K5BHY4	PDNFAPPPDETTLATGDAGKRVA <mark>C</mark> GVT
UniRef90_A5GKB2 UniRef90_UPI000475B80F	GDTYSDVP PLGGGGARIACGV ADNFGTGPDAETMATGDAGARVACGVVG
UniRef90_E4XQI2 UniRef90_B3LYK1	II ID D H N P T D D P S S T G A A G S R P G C C T II I
UniRef90_E9HVK8 UniRef90_Q7W9K6	ALDINTALNA EVQPMPNA GAPITA CGVI SL EDDLGKGGFPDSTVI GHSGARILA CAI I RR GDNY SDHPAALGGGGGRMA CGVV
UniRef90_UPI00036FFC01	PDD QKTDPSGDSGDRIAGGNI
UniRef90_H0F0V1 UniRef90_U2AZQ8	PDD QKTDPSGDSGDRIAGGNI GDNY SDKPEPLGGGGGRLVCGVV PDDY HTQPSGDSGEKMACGVI
UniRef90_H3D497 UniRef90_E3DU25	R D D L G Q G G D A G S L L H G N A G R R L A C C V I G I S S A D D Y L T N P S G N S G D R I V C G
UniRef90 V2US72	GDNY SDSPKPFGGGGER   A CG L I
UniRef90_T0l6R8 UniRef90_V8QNF8	A D D
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UniRef90_Q05RT1	GDTYS DTPA L GGGGAR  <u>I</u> A <mark>C</mark> G VV GR
UniRef90_B0U020 UniRef90_G8NQA8	GDNY SDTPKPLGGGGTRMWCGVI ADDM KTDPSGNSGNRLACGVI
UniRef90_G7KPK9 UniRef90_K8YPD6	G G H E Q S L V T G N S G A R I A G G V V G I
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UniRef90_A1T323 UniRef90_N9WG41	PDDY KTDPSGNSGGRIVIACGIVI IQILI
UniRef90_UPI000362E71A UniRef90_W8C397	PDNFAHGADDESLDTGDAGDRYA <mark>C</mark> G
UniRef90_UPI000380B3B0	SDD NRSQPAGDAGDRLACAVI VDDLGKGDHELSKTTGNAGGRLACGVLGLAK QDDYS SQPSGDAGDRLACGVFG
UniRef90_Q3L8V0 UniRef90_A3SZU8	QDDYS SQPSGDAGDRIACGVFG
UniRef90_A9DRR2	A D D Y T S Q P A G D A G S R I A C G V

	1 10 20 30 40
UniRef90_D9QLP2 UniRef90_H8GZR0	LMNTSGARVGRAVVTQGATGLLIRIEATGLTPGW RGTVSFREVPGGLEVTVSARGLTPGM VKAAVAVMTGTNGRKGTVSFSEGSGPTTVLKGSLSGLPPGF AVLQAEGAEVGSVSFSEVAAGTVLMGEIYGIPPGF AVLQAEGAEVGSVSFSEVAAGTEVVAEVVQGLEPGF QAGAKLMGDGGVAGMUSFVQLPYNIRVTINVTGLPPGK AELKSDGKPVANATIDFANGYATVTVEVTGLSPGSK QATAQIKAKGEPVGTASFVQQPKGVLVTVEVKGLEPGK ATATFEFSKAGGKEFATITVETTSTGV DGCEALGTVTVTVTPAPKGVILKIDAAGLPEGW KGVALIGTVTVTVTPAPKGVILKIDAAGLPEGW KGVALIGGONSTVAGALHFFQDPGYTELSVSFSGLEPGM SADGTLVANATFDFANGFATLTVETQGN SVNALAGLKSSGLPTTTLLSVSFSGLEPGM SADGTLVANATFDFANGFATLTVETQGN SADGTLVANATFDFANGFATLTVETQGN SVNALAGLAGSKEATTTLESTGN GKVTLLPQGEALAGSITVRGLTPGN SVNALAGLAGSKETATTTLESTGN GKVTLLPQGEALAGSITVRGLTPGN SVNALAGLAGSKETATTTLESTGN GKVTLLPQGEALAGSITVRGLTPGN SVNALAGLAGSKETATTTLEDTDHGLTTPDLREMPPGV SQAQGSVTLLVENDAFAKVEGGVQVTSKINGLSKEA TQSYAEIQGGPDLQGFVVFTDVPYGTDVPYGTTVNLTGLPPND GVGEAIGFITFADDGGGVDVLVVNLTGISEGE
UniRef90_M3HLS8 UniRef90_O23785	VKA AV VRGDSKVAGII VNFEQENEPITIS WEITSGNDPNL VKAVAVMTGTNGRKGTVSFSEGSGPTTVKGSLSGLPPGD
UniRef90_B0NJA4 UniRef90_UPI00037DCFDC	A
UniRef90_Q9VBK8 UniRef90_Z5XJR0	Q A G A KL M G D G G V A G M L S F V Q L P Y N L R V T L N V T G L P P G K A F L K S D G K P V A N A T L D F A N G Y A T V T V F V T G L S P G S
UniRef90_U5QPK5 UniRef90_F5Z0L7	QATAQIKAKGEPVGTASFVQQPKGVLVTVEVKGLEPGK
UniRef90_X5DUC2	DGDEVGTVEVSDDAGTTELSVSFSGLEPGM
UniRef90_V4NUQ2 UniRef90_K4AG99	K GVALIGGNSTVAGAL HFFQDPGYTEVRGKVTGLAPGR
UniRef90_UPI00040A9976 UniRef90_G2IS73	G K V T L L P Q G E A L A G S I T V R G L T P G N
UniRef90_X7ZA63 UniRef90_F1A5U0	SADGIL VANATEDEANGEATLIVETQVLIPGESVNALAVLQSSNAITGQVAFAKVEGGVQVTSKINGLSKEA
UniRef90_V6M880 UniRef90_UPI0002887377	T Q S Y A E I Q G G P D L Q G F V V F T D V P Y G T D V F V E V S G L P S H F  D G V E D S L G T I T L E D T D H G L L L T P D L R E M P P G V
UniRef90_UPI0003111439 UniRef90_B8J4J1	S Q A Q G S V   T
UniRef90_C0Z5X5 UniRef90_E4WT88	DILHGYI VFTDVPYGTDVFVEVSGLPAGP QGSGVLDGKVFFERVVGKKKDKVVISGFDAGQ NSGSPGWLEFEDLGNGIHLYGKITGLTSGK
UniRef90_L8WXV1 UniRef90_B8IGQ9	N S G S P G WL E F E D L G N G I H L Y G K I T G L T S G K V I N T K G E T L G R L Q L R D G A N A L V L R L T L G G L P A G W
UniRef90_J9DRG9 UniRef90_R9MAQ6	
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UniRef90_W5JTB1 UniRef90_Q5FPS9	GVG DV I G S V T A K D S D Q G L V I F P D L VN L T T G D S W K A G A T L V A D N P L M G T L T F R Q V P G H V E T V I N A T G L P V G K D G A T H G L V D V T G A P K G V L L R L Q V Q G L T P G W D G K E V S L G K L T L Q E T P Y G L L F T P A L H S L S E G D
UniRef90_G1ZH19 UniRef90_UPI0004781C9C	DGKEVSIGKITIQETPYGLLFTPALHSLSEGD
UniRef90_L8GQF8 UniRef90_V4A439	T K GVA KLSTTSNLA G YVTFTLS A D GVTVE A NLTGLGS QA
UniRef90_A5P9Y9 UniRef90_UPI00047DB27C	ANGVPAGTAQLISDGQTMTLALAATGLSVGE SGSLVSGKLSLVPMGDGVHITGEIGGLGGGK
UniRef90_A0A034WEU0 UniRef90_B2A7C9	GESAINGIVTFQPYNGDIRVTINITGLPTGK AMARIKGGSDLKGIVTFDSVKNGTVI <mark>C</mark> ADIEGLPSGP
UniRef90_R6XLN7 UniRef90_G5IF08	A S A E V S G D N E I K G R I E F Y G V Y G G T V V V A E V S G L T E G F A P E S Y A I I K G S P Q I Q G I V R F Y S L W D G T L V A A D I Y G L P Q G V
UniRef90_UPI0004571848	AVCI LAPSTALGGLI LERQKRPT SRIEAYVDPEDSRE
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UniRef90_D5W4L7 UniRef90_V4V3C4	NQAHĞLVTFLERSDGVQVTYNLTĞLPPND VKAVAYVISKWGPKĞLLHFKQEĞDĞTTIKĞTLYYLSQĞA
UniRef90_S0J3H4 UniRef90_A6BFJ6	GESAI N GI VTF QPYN GDL RVTLNI T GL PT GK A MA RI K GGSDL K GL VT F DSVK N GT V I
UniRef90_O61681 UniRef90_R9N622	
UniRef90_E4YRQ3 UniRef90_A5V4K3	A A Y A K I K G N N D I K G R V D F Y E T Y G G T V L V A S V Q G L P E G Y V G A G A D L S G Q L T F K Y E G D Q V R V T G T L S G F E D G Q L L D G Q G Q T K G K A T I R Q G K D G I E V D V K A V G L P A G V
UniRef90_B9D1X4 UniRef90_UPI000465595D	VA HUT A D G G O VA T A T F F F S K S G V T VR T T S S G U S P G F
UniRef90_UPI000348ED39 UniRef90_R6YBE0	TATĀKĒLDĀKKQĀLGTĪVKFĀETPKGLQĀTĪVĒVKGLNPĢE AKANI KGGKKINGAVTFREVKNGVLVTĀKVNGLPQSF
UniRef90_R5R1I1 UniRef90_T1IQZ2	SPKAYALITG ATVTGTMLAYSFEEGTIVVVEAQGLPAGIAINAVCIFMGN LIGSLIFLQQDGVVHVTGQIRNLSEGE
UniRef90_R7AVL5 UniRef90_D2VH73	A A A A WI M G N A Q L S G L V Q F F G T P E G V L V E A E I F G L P N D F V T G R V I F S Y N S G S T R V Y G K I C G L T A S T A V A D I E G D S N V S G T V T L T E N P P T V G V K A E V S G L P P N T
UniRef90_U7QPH7 UniRef90_R7KXV1	A VA DI E G D S N V S G T V T L T E N P P T V G V K A E V S G L P P N T A A S A V L T G S E K L R G L A V F V P T E L G T M V S V S V Y G L P K G V
UniRef90_W8PA25 UniRef90_UPI00036EE338	D G K K L G D L S L T A A P M G V L M D V E L A S L T A G K
UniRef90_Q76KK2 UniRef90_F7K9R6	GL KAFAHVKGSEDVQGLVTFYDLMDGTLVMVDLSGLPDKF
UniRef90_R0EJU6 UniRef90_UPI0004545D5B	$M K T S D G K D A G T   V   T   V   T E A D  \square  G   V   I     K   I     E   I   K   G   I   T D G W$
UniRef90_V4FIV1 UniRef90_E6Y8N7	Q GVG Q SI G T V V I D E T E G G L K F T P H L K A L P P G E S A A V S E F K G P D I F G V V R L A Q V N E L A R I E A N F S G L S P G K
UniRef90_E4X0B5 UniRef90_A0A029IH37	MY A C Q V Q P S A S V T G L V L F K Q L S P S S R L E A D L E G F S A Q D Q G V G Q S I G T V V I D E T E G G L K F T P H L K A L P P G E S A A V S E F K G P D I F G V V R L A Q V N E L A R I E A N F S G L S P G K S G H G S I K G A V N L M S T E K G T V V V L D A G D N K E G M L V N A D G K E V G T I T I Q E T S Y G L F T P D L H S L P Q G I
UniRef90_B8LMX7 UniRef90_A3UDK3	N FILIGHAR FOOGPT GIVILITIE ID TPGW
UniRef90_A0A059C1I7 UniRef90_C5ZY34	SAAVAEFKGP DVFGVVRLAQVNELARI EANFSGLSPGK LLGNNGNVEGELLAVETQYGVAFYPNLKGLESGL
UniRef90_D9VA94 UniRef90_UPI000371C41D	A S A T L K A K G D E V G S A W F T A D S H A V W V E V Y L K N F T P G F A V A N L Q L T S D S L G T A K F Y K L T D G K L L E L N M Q E R A D S N
UniRef90_H3FC31 UniRef90_K9QGS9	
UniRef90_F3WWH4 UniRef90_A0A010Q4X3	KAQAQITGPG ITGTLKAVQNTESVWVAVELKGLTPGLAPSATATLRGTGADAGRATATEVAGGLRVTLDAMNVPAGMGNDIGTVQFSEVANGVLIEAEVHDLDAGF
UniRef90_R7B1N4 UniRef90_X5KNW2	A T A K I R G S S D I V G M A E F Y Q T E M G T L V V T E V S G L P Q N D T A D G T S V A T A E I Q F A D G F A T V T V E T T K L T P G F
UniRef90_X3KNW2 UniRef90_G4HZW8 UniRef90_UPI00047B8E53	NEITGTLILTQENSPVRIRGAIQGLTPGL
UniRef90_F3BCD1 UniRef90_E5YSP7	A Y A QVR G D S K L Y G N V Y F Y G M Y N G T L V V A E L Y G L P N N F T A S G L T P G K
UniRef90_R4WFI5	RADAVLQPGNATRGTVTLIERADGVQVSYSLTDMPPND A <u>Y</u> AVIKGSG INGLL <u>LV</u> YG <u>Y</u> ET <u>GCV</u> LVIEANGLSQGI
UniRef90_B1C365 UniRef90_U5GT17	SAA <u>V</u> AEFKGP E <u>II</u> FG <u>V</u> V RFAQ <u>V</u> ND <u> L A</u> R I E <u>A</u> N <u>F</u> TG L S L GK
UniRef90_V9XG37	D G E S A G T IVIS F A E N G G D IVIE V T I I E IVIE G L E P G Y

UniRef90_D9QLP2 UniRef90_H8GZR0 UniRef90_M3HLS8 UniRef90_O23785 UniRef90_B0NJA4 UniRef90_UPl00037DCFDC UniRef90_Q9VBK8 UniRef90_U5QPK5 UniRef90_T5ZUT UniRef90_T5ZOL7 UniRef90_X5DUC2 UniRef90_V4NUQ2 UniRef90_V4NUQ2 UniRef90_UPl00040A9976	HGVHI HSVGQCAAPFTSAGAHVNHGMKPHGLLNADGPDDGGGGHGMHVHTNPVCAPGPDATGGHFDPYNTGNHATPTTPNHAGGGHFHVHQFGDNTNGCTSAGGHFDPYNTGNHATPTTPNHAGGGHFHVHQFGDNTNGCTSAGGHFDPYNTGNHATPTTPNHAGGGHALLIHTYGNISNDWISTGPPFKPAGADGAPGHFNPFGKTHGAPEDEERHVGGHALLIHTYGNISNDWISTGPPFKPAGADGYGFHI HEGGSCTGSSQDEFADAKSHYNPEGVPHPRHAGGYGFHI HFGDLSDGCKSTGGQFPNNNHGMHI HSVGKCEADSVAPGDPGTTGAFLSAGGHEHPGHRGHALHIHTFGDLSDGCKSTGGQFPNNHIHAVGKCEADSVAPGFLSAGGHFQAPGHNEHPQSGGYGMHVHAVGKCEADSVAPGGFLSAGGHFQAPGHNEHPQSGGYGMHVHAVGKCEADSVAPGGFLSAGGHLGADGHDHPDHGGGYGMHVHAVGVCEPDDPETGDFLSAGGHLGADGHDHPDHGGGYGMHVHAVGGVCEPDDPETGDFLSAGGHLGADGHDHPDHGGGHGHGHHHHAVGKADCTPDFKSAGGHINPEGPDNAAHGMHIHGVGKCEADSVAPGGFLSAGGHLGADGHDHPEGPDNAAHGMHIHGVGKCEADSVAPGGFLSAGGHLGADGHDHPEGPDNAAHGMHIHGVGKCEADSVAPGGFLSAGGHLGADGHDHPEGPDNAAHGMHIHGVGKCEADSVAPGGFLSAGGHLGADGHDHPEGPDNAAHGMHIHGVGKCEADSVAPGGFLSAGGHINPEGAPFDDERHVGGHGHHIHSVGKADCTPDFKSAGGHINPEGHASAGGHFNASGGHGHAASNDSGGHGHIHSAGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGA	
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UniRef90_R7AVL5 UniRef90_D2VH73 UniRef90_U7QPH7 UniRef90_U7QPH7 UniRef90_W8PA25 UniRef90_UPl00036EE338 UniRef90_Q76KK2 UniRef90_F7K9R6 UniRef90_B0EJU6 UniRef90_V4FIV1 UniRef90_UPl0004545D5B UniRef90_V4FIV1 UniRef90_E4X0B5 UniRef90_B8LMX7 UniRef90_B8LMX7 UniRef90_B8LMX7 UniRef90_A3UDK3 UniRef90_A3UDK3 UniRef90_D9VA94 UniRef90_D9VA94 UniRef90_UPl000371C41D UniRef90_H3FC31 UniRef90_H3FC31 UniRef90_H3FC31 UniRef90_F3WWH4 UniRef90_F3WWH4 UniRef90_S7SKNW2 UniRef90_R7B1N4 UniRef90_T5SKNW2 UniRef90_G4HZW8 UniRef90_UPl00047B8E53 UniRef90_F3BCD1 UniRef90_F3BCD1 UniRef90_F3BCD1 UniRef90_F3BCD1 UniRef90_F3BCD1 UniRef90_F3BCD1 UniRef90_F3BCD1	YAMHI HENGDCSLQFAKTGGHYNPTEK HGHI HTYGELDTDGTRTGGHFNPFNKTHGYPGSTERHVGH GKLHI HTYGELDTDGTRTGGHFNPFNKTHGYPGHKG FAMHI HTYGELDTDGTRTGGHFNPFNKTHGYPGHKG FAMHI HTYGELDTDGTRTGGHFNPFNKTHGYPGHKG FAMHI HTYGELDTDGTRTGGHFNPFNKTHGYPGHKG FAMHI HTYGELDTDGTRTGGHFNPFNKTHGYPGHKG FAMHI HTYGELDTDGTRTGGHFNPFNKTHGYPGHKG FAMHI HTYGELDTDGTRTGGHFNPFNKTHGYPGHKG FAMHI HTYGELDTDGTRTGGHFNPFNKTHGYPGHKG HGAPDDANCHAG HGAPDANCHAG HGAPDDANCHAG HGAPDANCHAG HGAPDANCHAG HGAPDANCHAG HAGHTANCHAG	90 100 110 120
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UniRef90_V6M880 UniRef90_UPI0002887377	DILIPIVITIS N. S.G.Y.A.R.M.N.F.F.I.N.R.F. R.A.A.DIVII.G.K.I.IVVII.H.Q.N.	
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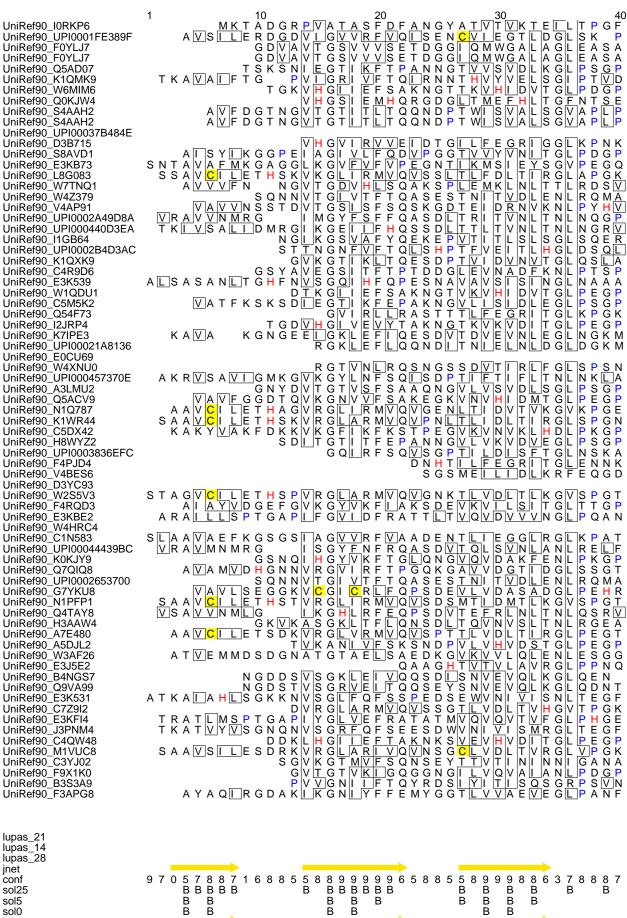
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