QUERY UniRef90_K9LGW8 UniRef90_F7GB03	10
UniRef90_F7GB03 UniRef90_N1ZEC1 UniRef90_Q8VXD9 UniRef90_Q37264 UniRef90_V7I3G4 UniRef90_V7I3G4 UniRef90_Q9P8C0	VKVGI NGFGRI GRL VFRASLSRTDLEVVAVNDPMI DLD KAKI GI NGFGRI GRL VLRI ALSRDDVEVVAVNDPFLTAD RTKI GI NGFGRI GRL VLRVALSKEDI QVVAI NDPFI DAK KI GI NGFGRI GRL VLRASLERGGQ VVAI NDPFI GLD SEVRVGVNGFGRI GRL AFRAALENPEVTVVGVNDPFI DLD
UniRef90_Q8VXD9 UniRef90_Q37264 UniRef90_E9INY0 UniRef90_V7I3G4 UniRef90_R9TFU3 UniRef90_Q9P8C0 UniRef90_S9RMP8 UniRef90_A0A024JNM3 UniRef90_P48812 UniRef90_R7F5N7 UniRef90_R7F5N7 UniRef90_Q9C136 UniRef90_Q9UVC0 UniRef90_Q9UVC0 UniRef90_UPI0003766271 UniRef90_P04970	K G N G F G R G R L V L R A S L E R G G Q V V A I N D P F I G L D S E V R V G V N G F G R I G R L A F R A A L E N P E V T V V G V N D P F I D L D K I G I N G F G R I G R L V L R A A I E K G A T V V A I N D P F I D L D V K V G I N G F G R I G R I V L R N A I E K G A T V V A I N D P F I E P H V G I N G F G R I G R I V L R N A L E K G V Q V V A V N D P F I D L E V K V G I N G F G R I G R I V L R N A L K N S N V E V V A I N D P F I D L E S K P K V G I N G F G R I G R I V L R N A L K N S N V E V V A I N D P F I N L D V K V G I N G F G R I G R I V L R A A V E K D T V D V V A V N D P F I N L D V N V G I N G F G R I G R I V L R S L N F P D T D V V A V N D P F I D L D V N V G I N G F G R I G R I V L R A T E S N K D V Q V V A I N D P F I P L D V Q V G I N G F G R I G R I V L R A T E S N K D V Q V V A I N D P F I P L D
UniRef90_P48812 UniRef90_R7F5N7 UniRef90_A8PVV0 UniRef90_Q9C136 UniRef90_Q9C136	SKPKVGLNGFGRIGRLVLRAAVEKDTVDVVAVNDPFINDD IKVGFNGFGRIGRLAFQAALEKGDEDIVAINDPFITAD VNVGINGFGRIGRIVFRNSLNHPDTDVVAVNDPFIDLD VQVGINGFGRIGRIVLRATESNKDVQVVAINDPFIDLD ITVGINGFGRIGRLVLRALSRKDIQIVAINDPFIAPE ATVKIGINGFGRIGRLVFRAALEHPDLEVVGIND
UniRef90_N/76963	
UniRef90_R6UG66 UniRef90_H9U0F9 UniRef90_E4T9S8 UniRef90_Q757I2	I KVGI NGFGRI GRL VMRVSLERDNVDVVAVNDPFI DVE KI KI GI NGFGRI GRL VARVAL QRDDVEL VAVNDPFI T T D STI KVGI NGFGRI GRL VARVAL QRDDVEL VAVNDPFI T T D VKVAI NGFGRI GRL VMRIAL SRANVEVVAI ND PFI T VD I RVGI NGFGRI GRL AFRRAVSLPDVEVVGI ND LI DVE
UniRef90_R6UG66 UniRef90_H9U0F9 UniRef90_E4T9S8 UniRef90_Q75712 UniRef90_UP1000200171D UniRef90_R5HY74 UniRef90_G0U6Y0 UniRef90_G0U6Y0 UniRef90_G1ELY2 UniRef90_I0YYL7 UniRef90_B4VKU1 UniRef90_K8GRK3 UniRef90_S3AGT6 UniRef90_K3WLI8 UniRef90_K8EL70	K K G N G F G R G R L V A R V A L Q R D D V E L V A V N D P F T T D S T K V G N G F G R G S L V F N A M M E R D N E V V G N D P F T V D L N A E V K V A N G F G R G R L V M R A L S R A N V E V V A N D P F T V D D L V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D L L D V E V V G N D P F D L D V E V V G I N D F G G G G G G G G G G G G G G G G G G
UniRef90_I0YYL7 UniRef90_B4VKU1 UniRef90_K8GRK3 UniRef90_S3AGT6	VKVGI NGFGRI GRL VFRAAQAHPDMEVVAI NDPFI DIA APIKVGI NGFGRI GRL VFRAGLENPNI EFCCI ND L VPPE VKI GI NGFGRI GRL VTRIAMDYPEVEI VGVND L VPSD VKVGI NGFGRI GRL VTRIAMDYPEVEI VAI ND L TDVS
11-1D-100 A001/1/0	V K V G I N G F G R I G R L V F R A A Q A H P D M E V V A I N D P F I D A A P I K V G I N G F G R I G R L V F R A G L E N P N I E F C C I N D L V P P E V K I G I N G F G R I G R L V T R I A M D Y P E V E I V G V N D L V P S D V K V G I N G F G R I G R N V F R A A L N N A E V E I V A I N D P F M D L D I K I G I N G F G R I G R L V A R A A L E R S D I E V V A I N D P F M D L D I K I G I N G F G R I G R L V L R A A L E R S D I E V V A I N D P F I D V P I K I G I N G F G R I G R L V W R A T L N R D D V E V V A I N D P F I D V P I K V G I N G F G R I G R E V F R A S T L R D D I E V V G I N D L C D P E V K V G I N G F G R I G R N V F R A S T L R D D I E V V G I N D L T D A N I T D
UniRef90_A3QVX2 UniRef90_UPI0002556152 UniRef90_UPI000225AE6A UniRef90_E6TRD1 UniRef90_Q2YC26 UniRef90_Q8AXB5 UniRef90_A0A059LPF9 UniRef90_K1Q350 UniRef90_K1Q350 UniRef90_W7YHE4 UniRef90_UPI0003B6061F UniRef90_UPI0003B6061F UniRef90_UPI0004108C82	A P I K I G I N G F G R I G R L V W R A T L N R D D V E V V A I N D P F I D V P I K V G I N G F G R I G R F V F R A S T L R D D I E V V G I N D L C D P E V K V G I N G F G R I G R N V F R Q A L K R D D V E I V A V N D L T D A N K V G I N G F G R I G R N V F R A A L N N P E V E V V A V N D L T D A N I K V G I N G F G R I G R M V F R A A V Q N F P D I E V V A I N D L L E P D N G F G R I G R L V T R A V V N S G K Q T I V A L N D P F I D L D K V K L G I N G F G R I G R L V T R A A L D K G V D V V A V N D P F I D L D I K V G I N G F G R I G R L V L R A A L D K G V D V V A V N D P F I D L D I K I G I N G F G R I G R L V L R A A L D K G V D V V A V N D P F I D L D I K I G I N G F G R I G R L V F R A A M A Q P D F E V V G I N D P F I G L D I K I G I N G F G R I G R L V F R A A M A Q P D F E V V G I N D P F I G L D
UniRef90_K1Q350 UniRef90_R6CHI1 UniRef90_W7YHE4 UniRef90_UPI0003B6061F UniRef90_U6I118	K V K L G I N G F G R I G R L V A R A A L L R D D V E V I A Y N D P F I D H E P L K V G I N G F G R I G R L V L R A A L D K G V D V V A V N D P F I D L D I K I G I N G F G R I G R L V F R A A M A Q P D F E V V G I N D P F I G L D S K I K I G I N G F G R I G R F V F R Q A I A K G T I E V V A I N D L I D V D L K V G I N G F G R I G R F V F R A A V E R S D I E V V A I N D L I D V E S K P K V G I N G F G R I G R L V L R S A I C K G T V D V C A I N D P F I D L T
UniRef90_R6AVR4 UniRef90_B1GZE8	
UniRef90_A3XJ91 UniRef90_C6Y446 UniRef90_E0I6D5 UniRef90_R5BFP8 UniRef90_A6H007	K
UniRef90_UPI0003789548 UniRef90_UPI00037493A0 UniRef90_B3L9D3 UniRef90_Q67NW3	K K A N G F G R G R V F R E T C N R D N V E V V A N D L N V E V K V G N G F G R G R N V F R A A L K H P E V E V A V N D L T N A K K V G N G F G R G R N V F R A A G N P E D V A V N D L T D A K K L G N G F G R G R N V F R S A Y E R N D V E V V A V N D P F M D K R G N G F G S G R R V F R A L S R P D E V A V N D P F M D K N V G N G F G R G R R V M R A A Q K N P N K V A V N D P F I P V E
UniRef90_B7FS14 UniRef90_U9VTL0 UniRef90_L5K5L8 UniRef90_UP10002D86143 UniRef90_D5WR91	I NVGI NGFGRI GRLVMRAAQKNPNI KI VAVNDPFI PVE LKVGI NGFGRI GRL I LRAAINNSNVEFVGI ND LVSPE VGI SGFGRI GRLVLRACMEK GVKVVAVNDPFI DPE VKLGI NGFGRI GRRVFRAALNNDNVEV VAI ND LTDAN MRMAI NGFGRI GRRVFRAAFRRGDVEI AAVND LTDAE
UniRef90_A4J8U1 UniRef90_U3U7Z7 UniRef90_Q84LQ0 UniRef90_F9N5E1 UniRef90_Q6WEW0	L V L R A A L E K G G V E V V A I N D P F L A L D V K L G L N G F G R L G K C V M R A A L N N P D V E V V A I N D T G D L F
UniRef90_E4L7V1 UniRef90_J3TFA7 UniRef90_UPl000262501D UniRef90_Q8VXM4	I KVGI NGFGRI GRL VFRGLLERDDLEI VAI NNPSG VE I KI GI NGFGRI GRI FRAGEERNDI QI VAI NDLL DAN LRVGI NGFGRI GRMAFRATAEFNNI EVVAI NDLL EPA KVGI NGFGRI GRI VLRASLNHPNVQVVAVNDPFLDPE
UniRef90_A7GCE0 UniRef90_UPI000363B1E7 UniRef90_G9PX01 UniRef90_D3IAC9	PVKI AI NGFGRI GRAVFRILAWQRPADLQI VAVNDLTDPA AKYKVAI NGFGRI GR <u>LSL</u> RAFFKDNEF <u>EI</u> V <u>AI N</u> D LTPPA IIKI GI NGFGRI GRFVFRASI ENAKDV V V VGI NDL <mark>C</mark> PVD
UniRef90_UPI00004936C3 UniRef90_B6YQY5 UniRef90_F0YIN7 UniRef90_V5BE77 UniRef90_A3AV14	K V K A K V D K F G H V K C L V I K A A F N S A K V D I V A I N D P F I D L N K V G I N G F G R I G R M V F R A A M Y N F S N D I I V S I N D L L T A D L K V G I N G F G R I G R L V M R A A A E N P R I Q I V G V N D P F I P T D A K M K L G I N G F G R I G R L V F R A A M E R G D V E V L A I N D P F M S L D
UniRef90_C0Z7Z3 UniRef90_E9BXV4 UniRef90_B3EPD0 UniRef90_S6CCS4	VKVGI NGFGRI GRI VFRAAVEHADLQVVSI NDPFLDPE
UniRef90_J7H0P9 UniRef90_Q39U99 UniRef90_F8I548 UniRef90_O04167	KVKVGI NGFGRI GRLVFRQALNNEKI ELVAI ND LCDAK KVGI NGFGRI GRLVFRAMADDPEVEVI AVND LGDKA IKVGI NGFGRI GRLI LRAVQERDDI EVVAI NDLLDS D LRVAI NGFGRI GRSVLRAALKEKGI EFVAI ND LTDAK VRVGI NGFGSI GRRFFRI AQQQNDFQVVAI ND LGDVN PVKCGI NGFGRI GRLVARI MI KDPETNLI HVNAGSATPD

QUERY UniRef90_K9LGW8	50 Y MVY MF QY D S T H G K F H G T V K A E D G K L V I D G K A L T I F Q E R D Y MVY L A K Y D S T H G R F N G T V E A K N G K L V V N G K E I S V F A C R D
UniRef90_F7GB03 UniRef90_N1ZEC1 UniRef90_Q8VXD9	CMAYL LKFDSTHGKFNGTVKPENEKLNVNGRSI AVYQEKD YMVYMLKYDSAHGRFDGEVGTKDGKLVVNGKEVTVFSCMD YVRYLFKYDSTHGVYPGEVELDENTLSVDGHKI KFFGSKT
UniRef90_Q37264 UniRef90_E9INY0 UniRef90_V7I3G4	Y MAY MFKY DST HGVY KGSLKLDDT T LEI DGHRI T VNSKRD Y MVY MFKY DST HGKFKGEI KAEDNCLV VNGNKI AV FSERD Y MV Y MLKY DSLHGQFKGEVETETNSLLVNGEKVKV FAEKD
UniRef90_R9TFU3 UniRef90_Q9P8C0 UniRef90_S9RMP8	Y MVY MFKY D STHGK F K G E V K E D G K F L Y V N G N K I TV F N E R D Y A A Y ML K Y D S Q H G Q F K G D I K V E G N D L T I N G K T I R F Y T E K D Y M A Y M F K Y D S T H G R Y N G E V S L K D D K L V I D G Q A I T V F N E K E
UniRef90_A0A024JNM3 UniRef90_P48812 UniRef90_R7F5N7	Y A A Y M F K Y D S T H G K Y E G E V T A E E G A L I I D G K H I K V F G E R D Y M V Y M F K Y D S T H G R F K G S V S A E G G K L I V T N H H I S V H N S K D Y M A Y M V K Y D T M H G R F N G T I E S K E N V L V V N G K E I K V Y N E M D
UniRef90_A8PVV0 UniRef90_Q9C136 UniRef90_Q9UVC0	Y MVY ML K Y D S T H G R F D G E V S A R D G K L V V N G R S I H V Y A E K D Y MVY ML K Y D T V H G R F D G S V E A K D G K L V V N G H A I A V S A E R D Y A S Y M F K Y D S T H G R Y S G E V S H E G E N I V L D G K K I R V Y Q E R D
UniRef90_UPI0003766271 UniRef90_P04970 UniRef90_M7B9B3	NLAYLLKYDSTHGVYPGKVQAKPDGIVMNDRFIPCFAMRN YMVYLFKYDSTHGQFKGTVTYDGDFLIVQKHKIKVFNSKD YMVYMFKYDSTHGRYSGEVKAEDGKLVVDGSEISVFQCMK
UniRef90_K/T480 UniRef90_R6UG66 UniRef90_H9U0F9	Y MV Y MF K Y D S T H G R Y S G E V K A E D G K L V V D G S E I S V F Q C M K Y L I Y M L Q Y D T V H G Q F K G T A E N K G G K L F V N G K E V A F F A E K D Y M K Y M L T Y D T I H G K Y N A D I K V E G N D L V I N G K I V K V F N C M E Y M T Y M F K Y D T V H G A W K H H E V K D S K T L L F G E K P V A V F G I R N
· · · · · · · · · · · · · · · · · · ·	Y MT Y MF K Y D T V H G A WK H H E V K D S K T L L F G E K P V A V F G L R N Y MA Y M L K Y D S V H G K F D G E V S V E G N D L V V N G K R I R V T A E K D Y A Y M F K Y D S T H G K Y A G D V Q Y E G N T L V I D G K K I K V F Q E R D Y L A Y M L R Y D S T H G R F Q G D V R V E N G Q L V V N G K A I R I T A E R D
UniRef90_UPI000200171D UniRef90_R5HY74 UniRef90_G0U6Y0	YLAYMLRYDSTHGRFQGDVRVENGQLVVNGKAIRITAERD YLAYMLKYDSVHGHFDHEVSVENGNLIVNGQKIRLTAEMD YMAYMLKYDSTHGRFSGTVEVKDGALVVNGKKIRVTCERD
UniRef90_A0A058ZEN3 UniRef90_G1ELY2 UniRef90_I0YYL7	YLVYLTKYDSTHGIFKGDISHDGSDLIVNGKHIRFHSCRS YMVYMFKYDSTHGRFKGNVSHGKDKNGHDDRSIRIFNQRD YAKYMLKYDSTHGRFEGDITGAEDEFIVKGKKVTVFQSMK
UniRef90_B4VKU1 UniRef90_K8GRK3 UniRef90_S3AGT6	SI A Y L L K Y D S T H G R F N G T V E A K P D A I V V N D K V I P C V S L K N N L A Y L F K Y D S T H G M F K G T V E A K P E G I V I N G R L I P C H A E K D T L A H L L K Y D T T H G R L N A T V E A G E G E L K V N G K S I K V F A E R D
UniRef90_K3WLI8 UniRef90_K8EL70 UniRef90_A3QVX2	Y MVYLFKY DSTHGKYPGTVEHKDGNLVVDGQEIRVFSARN YLAYMFKYDSTHGNLKCPVINDDGELEIGKKCVKLFTERD Y MVY MAKY DSVHGNLTHDVQQGDGKLMVNGKSITIFGKMD
UniRef90_UPI0002556152 UniRef90_UPI000225AE6A UniRef90_E6TRD1	Y L A Y ML K Y D S T H G K F E G T V E A K D G N L I V N G K T I R V T A E R D M L A H L L K Y D S V H G V L Q E E V S V N G S N I V V G D K E I K V L A E R D T L A H L L K Y D S V H G K L D A T V E V S G D N L I V G G K E I K V T A E R D
UniRef90_Q2YC26 UniRef90_Q8AXB5 UniRef90_A0A059LPF9	Y M A Y M L K Y D S V H G K F D G E V S V L E G N D L V V N G K K I K V T A E K D Y A A Y M F K Y D S T H G K Y A G D V Q Y E G N T L V I D G K K I K V F Q E R D Y L A Y M L K Y D S T H G K Y A G D V Q Y E G N T L V I D G K K I K V T A E R D Y L A Y M L K Y D S V H G H F D H E V S V E N G N L I V N G Q K I R L T A E M D Y M A Y M L K Y D S T H G R F S G T V E V K D G A L V V N G K K I R V T C E R D Y L V Y L T K Y D S T H G R F K G N V S H G K D C K N G H D D R S I R F H S C R S Y M V Y L T K Y D S T H G R F K G N V S H G K D K N G H D D R S I R F H S C R S Y M V Y M F K Y D S T H G R F K G N V S H G K D E F V V K G K K V T V F Q S M K S I A Y L L K Y D S T H G R F N G T V E A K P D A I V V N D K V I P C V S L K N N L A Y L F K Y D S T H G R F K G T V E A K P D G I V I N G R L I P C H A E K D T L A H L L K Y D S T H G R F N G T V E A K D G N L V V D G Q E I R V F S A R N Y L A Y M F K Y D S T H G R F N G T V E A K D G N L V V D G Q E I R V F S A R N Y L A Y M F K Y D S T H G K D Y L T H D V Q Q G D G K L M V N G K S I K V T A E R D Y M V Y M A K Y D S V H G N L T H D V Q Q G D G K L M V N G K S I K V L A E R D Y L A Y M L K Y D S V H G N L T H D V Q Q G D G K L M V N G K S I K V T A E R D Y L A Y M L K Y D S V H G K L D A T V E V S G D N L I V N G K K I R L T A L K D Y M V Y M F K Y D S T H G K F E G T V S G D N L I V N G K K I R L T A L K D Y M V Y M F K Y D S T H G K F K G D V S L E D S T L I V N G K R I R L T A L K D Y M V Y M F K Y D S T H G R F K G D V S L E D S T L I V N G K R I R L T A L K D Y M V Y M F K Y D S T H G R F K G D V S L E D S T L I V N G K R I R L T A L K D Y M V Y M F K Y D S T H G R F N G T V E V K D G K F V V N G S E I R V T A E R D Y M V Y M F K Y D S T H G R F N G T V E V K D G K L V V N G R R I T V L A E R D Y M V Y M F K Y D S T H G R F N G T V E V K D G K L V V N G R R I T V L A E R D Y M V Y M F K Y D S T H G R F N G T V E V K D G K L V V N G R R I T V L A E R D Y M V Y M F K Y D S T H G R F N G T V E V K D G K L V V N G R R I T V L A E R D Y M V Y M F K Y D S T H G R F N G T V E V
UniRef90_K1Q350 UniRef90_R6CHI1 UniRef90_W7YHE4	Y MVY MFKY D S T H G V F N G E I K I D G G K L V I N G K A M S V Y C E R D Y MVY M T K Y D S M H G Q F N G T L E V K D G K F V V N G H A I N V Y D C K D Y M A Y M L K Y D S T H G I F D G T V D V K D G K L V V N G S E I R V T A E R N
UniRef90_UPI0003B6061F UniRef90_U6I118 UniRef90_UPI0004108C82	Y M A Y M L K Y D S T H G R F N G T V E V K D G N L I V N G K T V R V T A E R N Y M V Y M F K Y D S T H G P F I G E V K E K D G K L V I N G H A I S V Y K E L N T L A M L L K Y D S V H G R L D A D V Q A D G D A L V V N G R R I T V L A E R D
UniRef90_M7PGV1 UniRef90_R6AVR4 UniRef90_B1GZE8	YMEYLFKYDTVHGQFQGEVSTTRDGLSVNGKTIRVFSERD YMAYLLRYDTVHGRFDGEIKVENGKLVVNGEAISVYN <mark>C</mark> MD YMAYMLKYDSVHGTFKGTVEVKNGNLIVNGNTIRVTAEKN
UniRef90_A3XJ91 UniRef90_C6Y446 UniRef90_E0I6D5	HLAYLLKYDSVHGNFDGTVEVKDGNLVVDGKTVRITAERD YMAYMLKYDSTHGRFDGTIAVENGHLVVNGKTIRITAERD TMAHLLKYDSLOGFFHADVEAKDGNLVVNGKFVKVFAFRE
UniRef90_R5BFP8 UniRef90_A6H007 UniRef90_UPl0003789548	Y MAY MTKFDTV H GMFKGEVSAHDDKL VVNGHEI QVYQQMN HLAYLLKYDSV H GRFSGKVEVKDDKL YVNNKHI RVTTQKD
UniRef90_UPI00037493A0 UniRef90_B3L9D3 UniRef90_Q67NW3	TLAHLLKYDSVHGVLDAKVTVEGDYLCVNDKKIKVLAQTNHLCYLLKYDSVHGVFPAEVTPGDGFFTIGNKKIFVHHEKD
UniRef90_B7FSI4 UniRef90_U9VTL0 UniRef90_L5K5L8	Y MEY MYKYDT WHGRADS VVKKEAGTI TVGENEI KVFGEMD NLAYLLKYDSTHGQFSGHVEARDNGI VVSGKFI PCFSLAN YMVYLEKYDSTHGQYKGTVEYKNGBI VVDKGEI SUFGOKKO
UniRef90_UPl0002D86143 UniRef90_D5WR91 UniRef90_A4J8U1	MLAHLLKYDSVHGQLPEEVEVNGDNIVVGGKEINVMSERD TLAHLLKYDSVHGLFDAEVEAEGEALVVNGKRIKVCAEAD
UniRef90_U3U7Z7 UniRef90_Q84LQ0 UniRef90_F9N5E1	Y I G Y M L K Y D S T H G R F D G L V E V K N G M L L I N G K Q I R T T A E K D Y M A Y M F K Y D S T H G P Y K G K V E V V D G K L V I D G F T L T M F G M R D G S A W L F K Y D S T H G P Y K G K V E V V D G K L T D M F G D R D
UniRef90_Q6WEW0 UniRef90_E4L7V1 UniRef90_J3TFA7	Y M Y M F K Y D S T H G P F I G E V K E K D G K L V I N G H A I S V Y K E L N T L A M L L K Y D S V H G R L D A D V Q A D G D A L V V N G R R I T V L A E R D Y M S Y H G R L D A D V Q A D G D A L V V N G R R I T V L A E R D Y M S Y L F K Y D T V H G R F D G E I K V E N G K L V V N G E A I S V Y N M D Y M A Y L L R Y D T V H G R F D G E I K V E N G K L V V N G E A I S V Y N M D Y M A Y M L K Y D S V H G T F K G T V E V K N G N L I V N G N T I R V T A E R N D Y M A Y M L K Y D S V H G N F D G T V E V K N G N L I V V N G K T I R I T A E R D T M A Y M L K Y D S V H G N F D G T V E V K N G N L V V N G K T I R I T A E R D T M A Y M L K Y D S V H G N F D G T V E V K D G N L Y V N G K E V K V F A E R D T M A H L L K Y D S V H G N F S G E V S A H D D K L Y V N N G K E V K V F A E R D T L A H L L K Y D S V H G R F S G E V S A H D D K L Y V N N G K E I R V Y A E K D T L A H L L K Y D S V H G R F S G E V S A T E N S I I V N G G K E I K V F G E M D N L A H L L K Y D S V H G R F S G F V E V K K E A G T I T V G G R K L E V T A E R D N L A H L L K Y D S V H G R S C V S A T E N S I I V N G K E I R V Y A E K D Y M E Y M Y K Y D T V H G R R A D S V V K K E A G T I T V G G R K L I K V F G E M D N L A Y L L K Y D S V H G C F S G F V E Y K N G R L V V D G K C I R T T A E K D Y M G Y M Y K Y D T V H G R A D S V V K K E A G T I T V N G K E I R V Y A E K D Y M G Y M S Y M Y K Y D T V H G R A D S V V S A T E N S I I V N G K E I R V Y A E K D Y M G Y M Y K Y D T V H G R E Y K G T V E Y K N G R L L V N D G K K I I K V C A E A A D Y L L K Y D S V H G I F D A E V S A T E D T I V V N G K K I K V C A E A A D Y L A M L L K Y D S V H G C D N S V F C G E N L L V V D G G K R I I K V F G G E R D Y M G Y M S K F I F C G G E R D Y N G G K E I R D T I T N G G K R I R D T I L A M L L K Y D S V H G C S C S A D C K K L L V V D G G K E I K V F G G E R D Y L A Y M L K Y D S V H G G C S A D C K K L L V V D G G K E I K L F R E R D Y L A Y M L K Y D S V H G G C S A D C K K L L V V D G G K E I K L F A E R D Y I L A Y M L L K Y D S V H G G C S C S A D C K K L
UniRef90_UPI000262501D UniRef90_Q8VXM4	Y L A Y ML Q Y D S V H G R F Q G E V K V E G N D L V V N G K S I R L T A E R D Y I V Y L F K Y D T V H G K Y K G E V G S A D K K L V V D G K E I A I F A L R D
	TLAHLLKYDSVHGIWPQDISVTEGGFRCGQQEIKVLAEKD SLAYLLKYDSVFRRFPGTVEVDGDYLVVNGQRIKQLAEPD
UniRef90_D3IAC9 UniRef90_UPI00004936C3 UniRef90_B6YQY5	Y MVY MFQY GSTHGKFHGTV KAENRKL VITGNLITIFQERD YLAYLLSHDSVHGHFKGKITLNGSYL VINGKKIRLTAEKD
UniRef90_F0YIN7 UniRef90_V5BE77 UniRef90_A3AV14	T L V H L F K Y D S V G R F N G Q V E T I N D K M R V N G K E I K I F R E N D T L A H L L K Y D S V H G L W P Q D I S V T E G G F R C G Q Q E I K V L A E K D S L A Y L L K Y D S V F R R F P G T V E V D G D Y L V V N G Q R I K A L A E P D Y L A Y M L K Y D T M H G Q F N G T I D Y D L E K L I V N G N V I R V T A E R N Y M V Y M F Q Y G S T H G K F H G T V K A E N R K L V I T G N L I T I F Q E R D Y L A Y L L S H D S V H G H F K G K I T L N G S Y L V I N G K K I R L T A E K D Y M R Y M F K Y D T V H G Q F K G T V E A A E D A I I V D G E K I Q V F G E R D Y M V Y L L R Y D S V H G H Y P G E V S H K D G K L I V G G K A V T V F N E K E Y M I C M F K Y D T V H G Q W K H E V K K D S K T L L F G E K E V T V F G C R N T L A H L L K Y D T I H G R E K G T I E V K G H Q L V I N N W T I N F H Q C K N T L A H L L K Y D S T H G R F K G T I E V K G H Q L V I N N W T I N F H Q C K N T L A H L L K Y D S T H G R F N G S I S L E N D H M V V N G N K I L I C S E K D T A A H L L K Y D S T H G R F N G S I S L E N D H M V V N G K P I K I L A V R N T L A H L L K Y D S T H G R F N G S I S L E N D H M V V N G R P I K I L A V R N T L A H L L K Y D S T H G R F N G S I S L E N D H M V V N G R P I K I L A V R N T L A H L L K Y D S N Y G R F P G T V T V D G G D I V V N G R P V R V L A E R D Y M A Y Q F K Y D S I H G R F D G A V V V D G E D L V I D G Q R V I T T R Q R D
UniRef90_C0Z7Z3 UniRef90_E9BXV4 UniRef90_B3EPD0	Y A A Y L L K Y D I L H G K L Q N K V E V Q D N K I I V D G K A T V V L S D R D Y A A Y L L R Y D S T H G R F K G T I E V K G H Q L V I N N W T I N F H Q C K N T L A H L L K Y D S T H G I C N A E I A V E D S S L I V N G N K I L I C S E K D
UniRef90_S6CCS4 UniRef90_J7H0P9 UniRef90_Q39U99	T A A HIL L K Y D S I H G I R N F D I E V T D D G L V V D G K H V T M L S D R D Y M A Y M L K Y D S T H G R F N G S I S L E N D H M V V N G K V I R C T S E K D T L A H L L K Y D S V H G P F P G K V E A G N G E I I V N G K P I K I L A V R N
UniRef90_F8I548 UniRef90_O04167	T LA HL LKYDSNYGRFPGTVTVDGQDI VVNGRPVRVLAERD YMAYQFKYDSI HGRFDGAV <u>VV</u> DGEDLVIDGQRVITTRQRD

		00 400 440 420
QUERY		MODAGTAY VVESTGV FTTMEKAGAHL KGGAKR IVI
UniRef90_K9LGW8 UniRef90_F7GB03	PAEI	A WG S A G A E Y V V E S T G V F T L T E K A S A H L K G G A K K V V I K WS T A G A D Y V L E S T G A F T T M E K A K A H L N G G C K R V I I
UniRef90_N1ZEC1	PKEI	P WASAGAFY V V F S T G T F T T D K A S A H F T G G A K K V V I
UniRef90_Q8VXD9 UniRef90_Q37264	P A D I P S E I	PWGDSGVDYVVESTGVFTNIAKASAHLQGGAKKVII PWGNYGAEYVVESSGAFTTTEKASAHLKGGAKKVVI PWAKAGAEYVVESTGVFTTIEKASAHLEGGAKKVII
UniRef90_E9INY0	PKAI	PWAKAGAEYVVESTGVFTTTEKASAHLEGGAKKVII
UniRef90_V7I3G4 UniRef90_R9TFU3	PNNI	A WG S V G A D Y V L E C T G V F T T L D K A S A H F T G G A K K V V I N WA S A G A E Y I V E S T G V F T T T E K A M A H T K G G A K K V V I
UniRef90_Q9P8C0	PANI	IP WS E I G A Y YIV VIE S I GIVIF I I I D K A K A <mark>H</mark> ILIK G G A K KIV V I I
UniRef90_S9RMP8 UniRef90_A0A024JNM3	PANI	K WA S A G A D Y V I E S T G V F T T Q E T A S A H L K G G A K R V I I P WG S V E A D Y V V E S T G V F T T T E K A S A H L K G G A K K V V I P WG V D G A E Y V V E S T G V F T T T D K A S A H L K G G A K K V I I
UniRef90_P48812	PAEI	IP WGIVID G A F YIV VIF S T GIVIF T T T D K A S A HII IK G G A K KIV I I I
UniRef90_R7F5N7 UniRef90_A8PVV0	P H N I P S N I	PWGELGVEYVFECSGVFTTMEKAQAHLDAGAKKVVI PWSESGALYVVDSTGVFKSIEKASAHLKGGARKVVV PWGSAGADYVVESTGVFTTTEAASAHLKGGAKKVII
UniRef90_Q9C136	PTSI	P WG S A G A D Y V V E S T G V F T T T E A A S A H L K G G A K K V I I
UniRef90_Q9UVC0 UniRef90_UPI0003766271	P V N I P A E L	PWGKDGVDYVIDSTGVFKELDSAQKHIDAGAKKVVI PWGNLEVDYVVESTGLFTDFETASAHLKAGAKRVII
UniRef90_P04970	P A A I P S E I	A WG S V K
UniRef90_M7B9B3 UniRef90_E4T480	PANI	GWGASGADYVVESTGVETTIIDKAKAHIIAGGAKKVVI
UniRef90_R6UG66 UniRef90_H9U0F9	P S E I	P W G E V G A E Y V V E S S G V F T T T E K A Q A H L K G G A K K V V I P W G E T G A D F V V E S T G V F T D K E K A A A H I K G G A K K V I I
UniRef90_E4T9S8	PNNL	K WN E V G A D Y I V I E S T G L I F L T K E T A Q A H I I N A G A K K V V L I
UniRef90_Q757I2 UniRef90 UPI000200171D	P A Q L P N N L	PWGEEGIDIAI DSTGVFKELDSAQKHI DAGAKKVVI
UniRef90_R5HY74	PANL	K W N E V G A E I
UniRef90_G0U6Y0 UniRef90_A0A058ZEN3	P A N L P A E I	K WG D V G A E I I V E S T G L F L S D D T A R K H L Q A G A K K V V I P WG A T G T Q L V V E A T G V F L D K A S A G A H L T G T V K N V I V
UniRef90_G1ELY2 UniRef90_I0YYL7	PTNI	E WD A T G A E Y L V E S T G V F T T V E K A S A H L T N N P K K V I I P WG E A G A E Y I V E S T G V F T D L A K A G A H L K G G A K K V I I
UniRef90_B4VKU1	PEEL	PWGKYGVEYVVESIGEFIIYDGASKHLIAGAKRIVVII
UniRef90_K8GRK3 UniRef90_S3AGT6	PSQL PGNL	IP WAFYGIVIFII V VIFSTGII IFTDKAKAFSHII IKGGAKKIVI I I
UniRef90_K3WLI8	PSEI	P W G S A G <u>A T Y</u> V <mark>C</mark> E S T G V F T T T E T A N A H
UniRef90_K8EL70 UniRef90_A3QVX2	P A M I A K E I	IP WK F A G A T FIV VIF S T GIVIF T TILIF G A S S HIL VIG G A F TIV V L
UniRef90_UPI0002556152	PANL	K WG D G V D V V A E A T G L F L T D E K A R K H E A G A K K V V M
UniRef90_UPI000225AE6A UniRef90_E6TRD1	P A N L P A K L	P W G E L G V E V V V E S T G R F V D R D S S Q K H I D A G A K K V I T T W G D Q G V E V V V E S T G F F T K R A D A A K H L E A G A K K V I I
UniRef90_Q2YC26 UniRef90_Q8AXB5	P A E L P T N I	K WG E VG A E V V V E S T GL F L T K E S C Q K H I A A G A K K V I M K WG D A G A D Y V V E S T G V F T T L D K A S A H L K G G A K R V I I
UniRef90_A0A059LPF9	ADEI	IP WG KILIGIVIDIV VI <mark>C</mark> EST GIVIET SKIDSANA HIVIKAGAARIVILILI
UniRef90_K1Q350 UniRef90_R6CHI1	P A N I P S E I	PWSKDGAEYI VDSTG <mark>C</mark> FTTDDKAGSHMKGGAKKVI I PWAE <mark>C</mark> GAEYV VESTGVFTTTEKASAHIKAGAKKV V I
UniRef90_W7YHE4	PADI	IN WG AIVIE A E YIV VIE S T GILIFILIT K E K A Q G HII ID A G A K KIV VIM
UniRef90_UPI0003B6061F UniRef90_U6I118	AEAI	P W D K D G V Y Y V V E S T G V N T D M A K A G A H L K N R A K K V V I
UniRef90_UPI0004108C82 UniRef90_M7PGV1	PANL PASI	IP WG KILIGIVIEIL VILIES T G R F T D K N A AIVIA HILIS G G A K KIV L L L
UniRef90_R6AVR4	PKE	PWGSCEAEYI VEATGVFTTESQASLHLRGGAKKVII PWGECGAEYVVESTGKFTTTELASQHFVGGAKKVVI KWSDAEAEYVVESTGLFLSKDKALAHINAGAKYVVM
UniRef90_B1GZE8 UniRef90_A3XJ91	P A D L P K N L	IK WD FIVIG A DIV VIA F <mark>C</mark> T GILIF T S M F T A D Y HILIQ A G A K KIV V L I
UniRef90_C6Y446	D A N. I.	
UniRef90_E0I6D5 UniRef90_R5BFP8	PANL ACDV	W N E V G V E I V I E S I G E F E I R A D A E R H I A A G A K R V V F P WS N Y G V E E V I E S I G E F N D K K I A E A H I S G G A K K V I I F W R E C G A E Y I V E S S G V N T I T E K A S A H F V G G A K K V I I K W D E V G V D V V A E C I G I F T T I E T A Q A H L K G G A K K V V I A W K D L G V D I V I E S I G R F I K R N D A A M H L E A G A K K V I I P W A E L G V E V V V E S I G R F I E A E K A Q A H I Q A G A K K V I I P W G K Y G I D V V C E S I G V F L I T K E L S S A H L K G G A K K V I M P W K E H G V D I V M E C I G R F I D K Q Q A E V H I S G G A K K V I I
UniRef90_A6H007 UniRef90_UPI0003789548	PATL PSRI	K WD E V G V D V V A E C T G L F T T L E T A Q A H L K G G A K K V V I
UniRef90_UPI00037493A0	PANL	P WA ELIGVEV V VEST GRETEAEKAQAHI QAGAKKVI I
UniRef90_B3L9D3 UniRef90_Q67NW3	P A N I P A Q I	PWGKYGIIDIVV <mark>C</mark> ESIG <u>V</u> FLIIKELSSAHLIKGGAKKVI <u>M</u> PWKEHGVDIIVME <mark>C</mark> TGRFTDKQQAEVHIISGGAKKVII
UniRef90_B7FSI4 UniRef90_U9VTL0	P S K I P A E L	QWGSAGADYVVESTGVFTTTEKASAHMVGGAKKVVI
UniRef90_L5K5L8	PRDI	PWKSVGSPFVVESTGVFLSLEETSNHIKAGALRVVI
UniRef90_UPI0002D86143 UniRef90_D5WR91	P A N L P S R I	G
UniRef90_A4J8U1	PÄKL	P WK E H G V D V M E C T G R F T D K Q Q A E V H S G G A K K V I I Q WG S A G A D Y V V E S T G V F T T T E K A S A H M V G G A K K V V I P WG N L G V D Y V V E A T G R F T T T Y D Q A A N H L K A G A K R V V I P WK S V G S P F V V E S T G V F L S L E E T S N H I K A G A L R V V I G WG D Q G V E I V I E S T G L F T K R E D A Q K H V D A G A K K V I I P WG E L D I D V V V E S T G R F R S R E Q A K A H L Q A G A K K V I I P W K E L G V D I V I E S T G R F T K G P D A A K H L A A G A K K V I I K W D E I E V N L V I E S T G M F L T D K T A R Q H I A A G A K K V V I D W S S E G V E V V I E C T G V F R S R E K A A A H L V G G A K K V V I D W S S E G V E V V I E C T G V F R S R E K A A A H L K N G P K K V V I D W S K Y G T Q I V V E S T G A F T T L E K A S A H L K N G P K K V V I D W S K Y G T Q I V V E S T G A F T T L E K A S A H L K G T V K K V V I K W G S I G V D V V A E A T G F F L N S E A A R K H I D A G A K K V V L K W G D V N V D V V I E S T G F F L T G E T C O K H L D A G A K K V V L K W G D V N V D V V I E S T G F F L T G E T C O K H L D A G A K K V V L K W G D V N V D V V I E S T G F F L T G E T C O K H L D A G A K K V V L
UniRef90_U3U7Z7 UniRef90_Q84LQ0	PAEI	PWKDVGAEYIVESTGWFLIDKIARQHI AAGAKKVVI PWKDVGAEYIVESTGVFTTTDKAKAHLVGGAKKVVI
UniRef90_F9N5E1 UniRef90_Q6WEW0	P A K L P Q N I	DWSSEGVEVVIECTGVFRSREKAAAHLGGTVKKVIII
UniRef90_E4L7V1	PSKL	DWSKYGTQIVVESTGKLKDKESAGQHIKGTVKKVVI
UniRef90_J3TFA7 UniRef90_UPI000262501D	P V N L P A N L	K W G S G V D V V A E A T G L F L N S E A A R K H
UniRef90_Q8VXM4	PAAL	PWGEAGADYVVESTGVFTAKDKAAAHLKGGAKKVVT
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UniRef90_G9PX01 UniRef90_D3IAC9	PAKL	PWKEMGVDLVIESTGRYTDANQAKAHI EAGAKKVII
UniRef90_UPI00004936C3	PSKI	K WG D A G T E YI VE S T S L F T L M E K S G A H L Q G G A K R V I L
UniRef90_B6YQY5 UniRef90_F0YIN7	P V N L P A N I	K WN E V G A E V I I E S T G F F L T D E T A R K H I Q A G A K K V I I K WS S C G A D Y V V E S T G V F T S T A A A G V H I O G G A K K V V I
UniRef90_V5BE77	PTAI	PWGQAGVHYI CESTGI FLTKEKAQAHLTNGAKKVIM
UniRef90_A3AV14 UniRef90_C0Z7Z3	P L K L	PWG DLIGNET V VEST GWF T D K D K A A A HL K G G A K K V V T PWG DLIGVET V VE A T G K F N N R E G A G K HL Q S G A K K V V T
UniRef90_E9BXV4 UniRef90_B3EPD0	PAEI	PWGTDGAEFVVESTGVFTTLEKAKEHLKGGAKKVIII
UniRef90_S6CCS4	PANL	W
UniRef90_J7H0P9 UniRef90_Q39U99	P S K L	N WR DILIGIV DIV VIA E A T GIV FLIT E E QILIR KHI IT A G A K KIV V LI
UniRef90_F8I548	PGK	PWKEWGVDLVVESTGLETSADKARAHIDGGARRVII
UniRef90_004167	P K D I	G W D K T G V E Y L <mark> C</mark>

QUERY UniRef90_K9LGW8	130 140 150 160 SAPSADAPMFVMGVNHFKYANSLKIISNASCTTNCLAPLA SAPSKDAPTFVVGVNLDKYDPSMKVVSNASCTTNCLAPLA	
UniRef90_F7GB03 UniRef90_N1ZEC1 UniRef90_Q8VXD9	S A P S A D A P M F V M G V N H F K Y A N S L K I I S N A S C T T N C L A P L A S A P S K D A P T F V V G V N L D K Y D P S M K V V S N A S C T T N C L A P L A S A P S D D A P M Y V M G V N H E T Y N N S H T V V S N A S C T T N C L A P L T S A P S B D A P M F V M G V N N D K Y S K D M T V V S N A S C T T N C L A P L T S A P S B D A P M F V V M G V N D K Y S K D M T V V S N A S C T T N C L A P L A S A P S B D A P M F V V G V N E G S Y K P E M S I V S N A S C T T N C L A P L A S A P S A D A P M F V V G V N L D A Y D P S F K I V S N A S C T T N C L A P L A S A P S A D A P M F V M G V N N K T Y T P D M K V V S N A S C T T N C L A P L A S A P S A D A P M F V M G V N N K T Y T P D M K V V S N A S C T T N C L A P L A S A P S A D A P M F V M G V N N E T Y T K D L E V L S N A S C T T N C L A P L A S A P S A D A P M F V M G V N N E T Y T K D L E V L S N A S C T T N C L A P L A S A P S A D A P M F V M G V N N D E F K T D E K V I S N A S C T T N C L A P L A S A P S A D A P M F V M G V N N D Y D K A N N H I I S N A S C T T N C L A P L A S A P S A D A P M F V M G V N N D Y D K A N N H I I S N A S C T T N C L A P L A S A P S A D A P M F V M G V N N D Y D K A N N H I I S N A S C T T N C L A P L A S A P S S D A P M F V M G V N N D S Y N P S E N I V S N A S C T T N C L A P L A S A P S S T A P M F V V G V N L D S Y N P S E N I V S N A S C T T N C L A P L A S A P S S T A P M F V V G V N H E K Y D P S S M T I V S N A S C T T N C L A P L A S A P S S T A P M F V V G V N H E K Y D A S N D H V V S N A S C T T N C L A P L A S A P S A D A P M F V I G V N H E K Y D A S N D H V V S N A S C T T N C L A P L A S A P S A D A P M F V I G V N H E K Y D P S S M T I V S N A S C T T N C L A P L A S A P S A D A P M F V I G V N H E K Y D P S S M T I V S N A S C T T N C L A P L A S A P S A D A P M F V I G V N H E K Y D P S S M T I V S N A S C T T N C L A P L A S A P S A D A P M F V I G V N H E K Y D P S S M T I V S N A S C T T N C L A P L A S A P S A D A P M F V I G V N H E K Y D P S S M T I V S N A S C T T T N C L A P L A	
UniRef90_Q37264 UniRef90_E9INY0 UniRef90_V7I3G4	S A P S A D A P M F V V G V N E G S Y K P E M S I V S N A S C T T N C L A P L A S A P S A D A P M F V V G V N L D A Y D P S F K V S N A S C T T N C L A P L A S A P S A D A P M F V M G V N N K T Y T P D M K V V S N A S C T T N C L A P L A	
UniRef90_R9TFU3 UniRef90_Q9P8C0 UniRef90_S9RMP8	S A P S A D A P M F V M G V N H E K Y D P S L Q V V S N A S C T T N C L A P L A S A P S A D A P M F V M G V N N E T Y T K D L E V L S N A S C T T N C L A P L A S A P S K D A P M Y V G V N T D E F K T D E K V L S N A S C T T N C L A P L A A S C T T N C L A P L A A T T T T T T T T	
UniRef90_A0A024JNM3 UniRef90_P48812 UniRef90_R7F5N7	S A P S A D A P M F V V G V N H E K Y T S D L E V S N A S C T T N C L A P L A S A P S A D A P M F V M G V N N D Y D P S M N V S N A S C T N C L A P L A S A P S K D A P M F V M G V N E T Y D P S M N V S N A S C T T N C L A P L A A C T T N C C A P L A C T T N C C A P L A C T T N C C A P L A C T T N C C A P L A C T T N C C A P L A C T T N C C A P L A C T T N C C A P L A C T T N C C A P L A C T T N C C A P L A C T T N C C A P L A C T T N C C A P L A C T T N C C A P L A C T T T C C A P L A C T T T T T T T T T	
UniRef90_A8PVV0 UniRef90_Q9C136 UniRef90_Q9UVC0	S A P S E D A P M Y V C G C N L D S Y N P S E N I V S N A S C T T N C L A P L A S A P S A D A P M F V C G V N L E A Y K S E Y K V I S N A S C T T N C L A P L A T A P S S T A P M F V V G V N E D K Y T P D L N I I S N A S C T T N C L A P L A	
UniRef90_UPI0003766271 UniRef90_P04970 UniRef90_M7B9B3	SAPTKDPERVMGVNHDSYNPEHDTI VSNASCTTNCLAPVA SAPSADAPMYVVVNHEKYDASNDHVVSNASCTTNCLAPLA SAPSPDAPMFVI VNEDKYDPSSMTI VSNASCTTNCLAPLA	
UniRef90_E4T480 UniRef90_R6UG66 UniRef90_H9U0F9 UniRef90_E4T9S8	SAPSPDAPMFVI VNEDKYDPSSMTI VSNASCTTNCLAPLA SAPSNDAPMFVCGVNLEAYKADMDI VSNASCTTNCLAPMA SAPSKDAKMFVMGVNNNEYTSDMNI VSNASCTTNCLAPLA SAPSKDAPMFVVGVNEKEYKPDLHI LSNASCTTNCLAPLA SAPSKDAPMFVVMGVNEKEYKPDLHI LSNASCTTNCLAPLA TAPSSTAPMFVMGVNEEKYAGE TI VSNASCTTNCLAPLA	
UniRef90_Q75712 UniRef90_UPI000200171D UniRef90_R5HY74	SAPSKDAPMFVVGVNEKEYKPDIHILSNASCTTNCLAPLASAPSDDTPMFVMGVNHKDLTADQKIFSNASCTTNCLAPLATAPSSTAPMFVMGVNHKDLTADQKIFSNASCTTNCLAPLASAPSKDDTPLFVMGVNHKSYAGQUVSNASCTTNCLAPMASAPSKDDTPMFVVGVNHKSYAGQQVSTNCLAPMASAPSKDDTPMFVVGVNHKSYAGQQVSTNCLAPMASAPSKDDTPMFVVGVNHKSYAGQQVSNASCTTNCLAPMASAPSKDDTPMFVMGVNHMTYKGQAIVSNASCTTNCLAPISTGPSKDDTPMFVMGVNHMTYKGQAIVSNASCTTNCLAPLA	
UniRef90_G0U6Y0 UniRef90_A0A058ZEN3 UniRef90_G1ELY2	T G P S K D D T P M F V M G V N H M T Y K G Q A I V S N A S C T T N C L A P L A T A P P K D P M F V M G C N E D T Y D K A T M P I V S N A S C T T N C L A P L A S A P S A D A P M Y V C G V N L D Y D P K G P K V I S N A S C T T N C L A P L A S A P S A D A P M F V M V N E T K Y D P K T M N V I S N A S C T T N C L A P L Y	
UniRef90_I0YYL7 UniRef90_B4VKU1 UniRef90_K8GRK3	SAPSADAPMEVMVNETKYDPKTMNVISNASCTTNCLAPLV SDPEKVPTLLMGVNHQSYDPNKHTVVSNASCTTNCLAPIA SAPTKDPDKVRTVNETEFDPSTDLIVSNASCTTNCLAPVA	
UniRef90_S3AGT6 UniRef90_K3WLI8 UniRef90_K8EL70	S A P S A D A P M F V M V N E I K Y D P K I M N V I S N A S C T T N C L A P I A S A P T K D P D K V R T V N E T E F D P S T D L I V S N A S C T T N C L A P I A S A P A E D I T V V M G V N E E K Y D P S A H T V I S N A S C T T N C L A P F A S A P P K D T P M Y V M G V N H K E Y N G S A H I V S N A S C T T N C L A P L A S A P S N D A P M F V M G V N H T E Y K E S E S V I S N A S C T T N C L A P L A S A P S N D A P M F V M G V N D D T Y A G Q D I V S N A S C T T N C L A P L A S A P A E D L T I V M G V N Q N E Y D P S K H H I V S N A S C T T N C L A P F A S A P A E D L T I V M G V N E D K Y D A A N H H V I S N A S C T T N C L A P F A S A P S K D D T P M F V Y G V N D D S Y D G Q A I S N A S C T T N C L A P F A	
UniRef90_A3QVX2 UniRef90_UPl0002556152 UniRef90_UPl000225AE6A	S A P S N D A P M F V M G V N E E G Y K P D M K V V S N A S C T T N C L G P L A T G P S K D A T P M F V M G V N D D T Y A G Q D I V S N A S C T T N C L A P L A S A P A E D L T I V M G V N Q N E Y D P S K H H I V S N A S C T T N C L A P F A	
UniRef90_E6TRD1 UniRef90_Q2YC26 UniRef90_Q8AXB5	S A P A E D L T V V M G V N E D K Y D A A N H H V I S N A S C T T N C L A P F A S A P S K D D T P M F V Y G V N N D S Y D G Q A I I S N A S C T T N C L A P V A S A P S A D A P M F V M G V N H E K Y D K S L K V V S N A S C T T N C L A P L A	
UniRef90_A0A059LPF9 UniRef90_K1Q350 UniRef90_R6CHI1	S A P S A D A P M F V M G V N N E K F D P K D T V I S N A S C T T N C L A P L A S A P S A D A P M F V C G V N A E K Y S K D Q N I V S N A S C T T N C L A P L A S A P A K D K P T F V V G V N H D K Y T K D M T V V S N A S C T T N C L A P L V	
UniRef90_W7YHE4 UniRef90_UPI0003B6061F UniRef90_U6I118	SAPSDDTPMFVMGVNNTKYTNDMNFVSNASCTTNCLAPIA TGPSGDVPMFVNGVNFSEYAGQD IVSNASCTTNCLAPIA SAPSKDAPTFVVGVNLDKYDPSMTIVSNASCTTNCLAPLA	
UniRef90_UPI0004108C82 UniRef90_M7PGV1 UniRef90_R6AVR4	TAPSKDAPMYVCGVNLDAYDPSKKVISNASCTTNCLAPLA SAPAKDTPMFVMGVNNKEYKSDMNVVSNASCTTNCLAPLA	
UniRef90_B1GZE8 UniRef90_A3XJ91 UniRef90_C6Y446 UniRef90_E0I6D5	SAPAKDU PMFV MGV N H K DIV I A D N N I V S N A S C T T N C L A P I A SAPAKDU P T Y V MGV N H H K L T A D Q T I V S N A S C T T N C L A P I A	
UniRef90_R5BFP8 UniRef90_A6H007 UniRef90_UPI0003789548	S A P S K N E D	
UniRef90_UPI00037493A0 UniRef90_B3L9D3 UniRef90_Q67NW3	SAPAKDLTI VMGVNHEKYDAAKHHI I SNASCTTNCLAPFA SPPKDDTPI YVMGINHDKYDPKQTI VSNASCTTNCLAPFA SAPAKDLTI VMGVNHEQYDPANHHVI SNASCTTNCLAPVY	
UniRef90_B7FSI4 UniRef90_U9VTL0 UniRef90_L5K5L8	S A P S G D A P M F I V I M G I V I N Q E K Y E S S M D I V V I S N A S C T T N C L A P L A S A P T K T P E Q I V I G V N H K T F N P Q T D Q I V I S N A S C T T N C L A P I A C A P S P D A P T F I V M V N F K D Y N P D S M K I V I S N A S C T T N C L A P I I A	
UniRef90_UPl0002D86143 UniRef90_D5WR91 UniRef90_A4J8U1	TAPAKDEDLTVVVGVNEYDPERHFIIVSNASCTTNCLAPVA	
UniRef90_U3U7Z7 UniRef90_Q84LQ0 UniRef90_F9N5E1	TAPPKDDTPMFVRGVNFDKYHGQNIVSNASCTTNCLAPLV SAPSADAPMFVCGVNEKKYTPDLSIVSNASCTTNCLAPLV SAPGKDEDKTIVMNESEYDPATHHVVSNASCTTNCLAPEA	
UniRef90_Q6WEW0 UniRef90_E4L7V1 UniRef90_J3TFA7	TAPGKGSLTTLVMGVNHQLYINNMNVVSNASCIINCLAPLA TAPGKGSLTTLVMGVNEYNPEKDHVVSNASCTTNCLGPVV TGPSKDNTPMFVMGVNHKLVDGQKLVSNASCTTNCLAPLA	
UniRef90_UPI000262501D UniRef90_Q8VXM4 UniRef90_A7GCE0	SAPSKODIPMEVY GVN HSKY A GEKI VSA A SCIIN CLAPIA SAPSKODITI VI GVN E DKYTADLOVISNASCTTN CLAPLA TAPGKOLTIVI GVN E NEYN PEEHNIISNASCTTN CLAPEA	
UniRef90_UPI000363B1E7 UniRef90_G9PX01 UniRef90_D3IAC9	SAPAKDIVI I VIMGIVIN HEKYD PAAHHIVI SICAS CII NICLISPIVA SAPAKNHDATI VIMGIVIN EYD PKKD NILISNAS CII NICLISPIVA SAPSDD TPMEIVIGGIVIN DIKYIVIKGTO EIVISNAS CII NICLIAPILA	
UniRef90_UPI00004936C3 UniRef90_B6YQY5 UniRef90_F0YIN7	SAPSANTPMFVMGVTHENYDSSLKI I SNASCTMNCLAPLA SAPSKDSTPMFVYGVNHKTYVDQCI I SNASCTTNCLAPI A SAPSGDAPMFVCGVNLDKYESSMVVVSNASCTTNCLAPI A	
UniRef90_V5BE77 UniRef90_A3AV14 UniRef90_C0Z7Z3	S P P K D D T P M F V M G V N N D Q Y K S S D V I V S N A S C T T N C L A P L A S A P S K D A P M F V V G V N E K E Y K P D I D I V S N A S C T T N C L A P L A T A P A K D V T I V M G V N E G T Y D H A N H H I I S N A S C T T N C L A P V A S A P S A D A P M F V F V N H T T Y D K A T Q D I I S N A S C T T N C L A T L V	
UniRef90_E9BXV4 UniRef90_B3EPD0 UniRef90_S6CCS4 UniRef90_J7H0P9	S A P A K D D V D I V L G V N D D T I T G D E E I I S N A S C T T N C L A P M A T C P A K D E D I T I V M N D D Q Y D P E V H N I I S N A S C T T N C L A P F A T A P P K D N I P M F V M G V N H N T Y D D O D I V S N A S C T T N C L A P I A	
UniRef90_J7H0P9 UniRef90_Q39U99 UniRef90_F8I548 UniRef90_O04167	SAPAEDITI VMGVNSNLYDPKKHNI ISNASCTTNCLAPVA SAPAKDLTI VLGVNDDRYDPHRHVI LSNASCTTNCLAPVA SAPAKDLTI VLGVNDDRYDPHRHVI LSNASCTTNCLAPVA SAPAKDDSTVVMGVNPDDYKGQTDFVSCASCTTNGLAPLV	

QUERY UniRef90_K9LGW8 UniRef90_F7GB03 UniRef90_N1ZEC1 UniRef90_Q8VXD9 UniRef90_Q37264 UniRef90_Q37264 UniRef90_R9TFU3 UniRef90_R9TFU3 UniRef90_Q9P8C0 UniRef90_S9RMP8 UniRef90_A0A024JNM3 UniRef90_A8PV0 UniRef90_A8PVV0 UniRef90_QP136 UniRef90_QPC136 UniRef90_UP10003766271 UniRef90_UP10003766271 UniRef90_UP10003766271 UniRef90_UP10003766271 UniRef90_H9B03 UniRef90_H9B03 UniRef90_H9U0F9 UniRef90_H9U0F9 UniRef90_H9U0F9 UniRef90_G1ET9S8 UniRef90_Q75712 UniRef90_UP1000200171D UniRef90_G4T9S8 UniRef90_G75712 UniRef90_G1ELY2 UniRef90_G1EV3 UniRef90_UP10003 UniRef90_UP1000	Note	SDGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
UniRef90_Q84LQ0 UniRef90_F9N5E1 UniRef90_Q6WEW0 UniRef90_Q6WEW0 UniRef90_J3TFA7 UniRef90_UPl000262501D UniRef90_Q8VXM4 UniRef90_A7GCE0 UniRef90_UPl000363B1E7 UniRef90_UPl000363B1E7 UniRef90_D3IAC9 UniRef90_D3IAC9 UniRef90_B6YQY5 UniRef90_B6YQY5 UniRef90_F0YIN7 UniRef90_V5BE77 UniRef90_V3AV14 UniRef90_C0Z7Z3	KV L Q E N F G I N Y G L M T T V H S M T S T Q K T V D A L S N K D W R K V L N D N F G I V E A L M T T V H S M T S T Q K T V D G P S A K D W R K V L N D N F G I V E G L M T T V H A V T A T Q K T V D G P S G K D W R K V L D D N F G I V E G L M T T V H S Y T N D Q R I L D K T H K D L R K V L D D N F G I V E G L M T T V H S Y T N D Q R I L D L P H K D L R K V L Q D K F G I K E G L M N T I H A Y T N D Q K T L D F P H K N Y S K V L N D K W G I T D G L M T T V H S T T A T Q K T V D G P S R R L W C K V L R D N S G I M E G L M T T V H A V P A T Q K T V D G P S S K D W R K V I N D T Y G I E E G L M T T V H A M T A N Q L T V D G P S S K D W R K I V H D K F G I V E G L M T T V H A M T A N Q L T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A M T A N Q L T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A M T A N Q L T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A L T A T Q K T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A L T A T Q K T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A L T A T Q K T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A L T A T Q K T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A L T A T Q K T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A L T A T Q K T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A L T A T Q K T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A L T A T Q K T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A L T A T Q K T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A L T A T Q K T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A L T A T Q K T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A L T A T Q K T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A L T A T Q K T V D G P S S K D W R K V I N D R F G I V E G L M T T V H A L T A T Q K T V D G P S K R D W R K V I N D R F G I V E G L M T T V H A L T A T Q K T V D G P S K R D W R M R M T T N D Q K T N D R T T T T T T T T T T T T T T T T T T	GRGGGAAAAGGGSAAGGGGGAGRRRRRRRRRRRRRRRRR
UniRef90_E9BXV4 UniRef90_B3EPD0 UniRef90_S6CCS4 UniRef90_J7H0P9 UniRef90_Q39U99 UniRef90_F8I548 UniRef90_O04167	A PI HEKYEI A E GL MTTV HSYTATQKTV D G PSG K L WR KV L E D N F G I E K G Y M T T V H A F T N D Q R I L D L P H K D L R KV L L E N F G I K R G Y M N T I H S Y T N D Q K I L D L P H K D L R KV L N D N F G I I E A L M T T V H A T T A M Q K T V D A P C H R D W R KV L HET F G I E K G L V T T V H S Y T N D Q Q I L D L P H K D L R KV L D E T F G I E Q G L M T T V H S Y T N D Q R L L D L P H S D L R K C L N D K F G I E E G L M T T I H A M T A T Q A V V D S S S R K D W R	S G R G R A R A R A R A

QUERY UniRef90_K9LGW8 UniRef90_F7GB03	V L D L T C R L V V D L T C R L V V D L T C R L	AKFATYDDI	KNAVKEASEGALKGILGYTEDKV
UniRef90_N1ZEC1 UniRef90_Q8VXD9 UniRef90_Q37264 UniRef90_E9INY0 UniRef90_V7I3G4	V V D L T C R L V V D L T V R L V V D L T A R L	EKKASYDDI EKPASYDDI AKPASYFAI	K K V K A A S E S S M K G
UniRef90_R9TFU3 UniRef90_Q9P8C0 UniRef90_S9RMP8 UniRef90_A0A024JNM3 UniRef90_P48812	V V D L T V R L V V D L T V R L V V D L T C K L V V D L T C R L V V D L T C R L	A K E A S Y E E II E K G A T Y D E II A K P T T Y E D II	CATLKEASEGQMKGILGYTDEDL KEAVKAAADGPLNGILGYTEDEL
UniRef90_R7F5N7 UniRef90_A8PVV0 UniRef90_Q9C136 UniRef90_Q9UVC0	V V D L T C N L V V D L T V N L V V D L T V K L	EKPASYEEII EKSASYDEII SKGASYDEII LKDATYDEII	C A A V K K A S E N E L K G I L E Y T D E P V K A E I K R A S E N E L K G I L G Y T E D E V K O A I K K A S F T T M K G V I G Y T S D A V
UniRef90_UPI0003766271 UniRef90_P04970 UniRef90_M7B9B3 UniRef90_E4T480 UniRef90_R6UG66	V V D L T F K T V V D L T V R L V V D L T V R L V V D L T V R L V V D L T C R L	E K P T T Y K E II E K P A S M D D II A K P A T Y A E II E K A A S Y D E II E K G A S Y E E II	K A A V K E A A E G P L K G V V G Y T E D Q V C E V M K E A A E N S L K G V L G Y T D E E V K K V V K A A A D G P M K G I L A Y T E D Q V K E A M K K A S E G P M A G I L G Y T E D E V K A A M K L A S E T T M K G I L G Y T E D S V V E K I K E A C N G E L K G I M S W T D E D V
UniRef90_H9U0F9 UniRef90_E4T9S8 UniRef90_Q757I2 UniRef90_UPI000200171D UniRef90_R5HY74	V V D L T V R L V V D L T V R L V V D L T V K L V V D L T V R L V V D L T V R L V V D L T V R L	EKPATYEQI EKGASYDEI NKETTYDEI AKPATYEQ\	K A A I K E E S E G K L K G I L G Y T E D D V C A A I K A A S E G E L K G I L G Y T E D L V K A A I K A A S E G K L K G I L G Y T E D A V V K A A M K A A S E G E L A G I L G Y T E D D V C K A M K A A S E G E L K G I L G Y T D E S V C D A I K A A S E G E L K G I M G Y M D E E I
UniRef90_G0U6Y0 UniRef90_A0A058ZEN3 UniRef90_G1ELY2 UniRef90_I0YYL7 UniRef90_B4VKU1	V V D L T V E L V V D L T V R L V V D L V A R L V V D L T C V L V V D L T F R T	A T P A S Y E D II E K P A S Y D E II E K E A T Y A E II	C D A I K A A S E G E L K G I M G Y M D E E I K K A L L E A S Q N E L K G I L G Y T E D A V K A A I K K A S E G E L K G I M G Y T E D D V M A A L K A A S E N E L K G I V G Y T E E Q V C D A M K K A S E G E L K G V L G Y T D D S V
UniRef90_K8GRK3 UniRef90_S3AGT6 UniRef90_K3WLI8 UniRef90_K8EL70	V V D L T F K T V T D L V V E L V V D L T C R I V V D L V V K L	EKATSYQE\ NANVTVDD\ EKSATLAQI	V <mark>C</mark> A A M K A A S E G E M K G I L G Y T D E E V V N N A II K F A A D G P II K G I L N Y S D F P I
UniRef90_A3QVX2 UniRef90_UP10002556152 UniRef90_UP1000225AE6A UniRef90_E6TRD1 UniRef90_Q2YC26	V V D L T C K L M V D L V A E V	A K P A I K A E I E K D V T A E E \	K A E I K R A S E N E L K G I L A Y T E D A V D A A L K E A A E G S M K G I L G F T G D A V V N Q A F K E A A E G E L K G I F E Y S E A P L V N A A L K A A A E G P L K G V L D F S E E P L C N A M K K A S E G S M K G V L A Y T D Q K V
UniRef90_Q8AXB5 UniRef90_A0A059LPF9 UniRef90_K1Q350 UniRef90_R6CHI1 UniRef90_W7YHE4	V V D L T V E L V V D L T C R L V V D L T C R I V V D L T C R I V V D L T A R L	E K A A S Y D D A K P A K Y D D N K G A S Y N D A K P T T Y E E E K G A S Y E A	C N A M K K A S E G S M K G V L A Y T D Q K V K K V V K A A A D G P M K G I L G Y T E E Q V M A K L K E A S E K E L E G I L G F T D Q D V K A A I K A A S E N E L K G I L G F T D D D V C A K V K E A S E T T M K G I L G Y T E D M V C A A M K E A S E G E L A G V L G Y T E D M V C V E M K R A S E N E M K G V L G Y T D E M V C V E M K R A S E N E M K G V L G Y T D E M V C V E M K R A S E N E M K G V L G Y T D E M V
UniRef90_UPI0003B6061F UniRef90_U6I118 UniRef90_UPI0004108C82 UniRef90_M7PGV1 UniRef90_R6AVR4	V V D L T V N L V V D L T C K L V V D L T A E V V V D L T V R L V V D L T C V L	NKGASYDDI AKPTTYEEI EKGASYEAI KTPATYEEI AKPATYEQI SEPVTVEA RKSTTFAEL EKPATYDEI AKPASYDEI	K A A I K A A S E N E L K G I L G Y T E D D V C A K V K E A S E T T M K G I L G Y T E D M V C A A M K E A S E G E L A G V L G Y T E D M V C V E M K R A S E N E M K G V L G Y T D E M V K E A V K N A S Q S P L K G I L D Y T D E D V V N Q A L R E A A A G A L N G I L D Y T E E P L K Q A L K T S S S G E L S G I L S Y T E N D V K A V M K A A S E S P E F G I I G Y T E D E V K A A M K S A S E N E L K G I L G Y T E D E V
UniRef90_B1GZE8 UniRef90_A3XJ91 UniRef90_C6Y446 UniRef90_E0I6D5 UniRef90_R5BFP8	V V D L T V N L V V D L T V K L V V D L T A R L A V D F S F E V I V D L T C R I	EKPATYEQI SRFVTVDDI	K K I F K A A S E G E M A G V L G Y I E E A V K A A M K A A S E G E L K G V L A Y T D E E V N S A K F A A F G P K G I L G Y S F P
UniRef90_A6H007 UniRef90_UPI0003789548 UniRef90_UPI00037493A0 UniRef90_B3L9D3	V V D L T V K L V V D L V A E L I T D L T V T L V V D L V C R L V V D F T A E L	A K E T T Y Q E II E K E V A A E E II E K P A T A E E II	K Q A M K E A S E S D W K G I I G Y T D Q A V M T V L K N A S E T T M K G I L G F T Q D D V V N A A L K A A S Q G K M K G I L G Y C D K P L N A K L K A A S E G E L A G V M G F S E E P L A A H M K K A A E G P L K G I L G Y T E D E V
UniRef90_Q67NW3 UniRef90_B7FS14 UniRef90_U9VTL0 UniRef90_U5K5L8 UniRef90_UPI0002D86143	V V D L T C R L V V D L T V R T V V D L T C R L]D	C A A K A A S E G P M K G L G Y T D E D V C D A M K A A S N N G L R G V L G Y T E D P V K D A K A F A K G R M A G L A Y T F D F V
UniRef90_D5WR91 UniRef90_A4J8U1 UniRef90_U3U7Z7 UniRef90_Q84LQ0 UniRef90_F9N5E1	V V D L V V D V V V D L V V E L V I D L T V R L V V D L T V R L V T D L V V E L	K K A A S Y E E II Q K P T T Y D D II F K F A T K F S II	C K T K S A A Q N E M K N V V G Y D D D V K A T M K A A S E D D L A G L G Y T E D A V N A A F R K A A F G F K G L G V S D P
UniRef90_Q6WEW0 UniRef90_E4L7V1 UniRef90_J3TFA7 UniRef90_UP1000262501D UniRef90_Q8VXM4	V V D L T C R L M V D L T C E L V V D L T A R L V V D L T A E L V V D L T V R L L T D L V C E L	NNKASYDEI KSKVTVEE\ KKPASYATI	K A A K Y A S E N E L K G L G Y T D A A V V N A A F K K A S E S Q M K G L A Y T D E P V C A T F K F A A F G F M K G M G Y T D F D V
UniRef90_A7GCE0 UniRef90_UPI000363B1E7 UniRef90_G9PX01 UniRef90_D3IAC9 UniRef90_UPI00004936C3	V V D L V A E V V V D L T V N L	S R P T T R E E IV E K P A T V D E IV A K P A K Y F F II	V N A MILIK E A A E G PIL IK GII IMA Y S E A PIL V N A A MK E A A G S L IK GII L E Y E P E D L C A A MK E A S E G E I IK GII L IG Y T E D A IV
UniRef90_B6YQY5 UniRef90_F0YIN7 UniRef90_V5BE77 UniRef90_A3AV14 UniRef90_C0Z7Z3	V V D L T V R L	EKPAKYDDI EKSATKDDI QAGASYDDI AKPAKYEDI EKPASYDQI	VIN RVI REASEGS MK GVI EE COEPI
UniRef90_E9BXV4 UniRef90_B3EPD0 UniRef90_S6CCS4 UniRef90_J7H0P9	V V D L T V L L W V D L T V F L	K K P T T K E E \\ E K S V T A E E I	KAILKEASEGKLKG LIYIEDQ VNAAMQKAAEGNMRG VLEF <mark>C</mark> TDPL NAAMKAAAEGPLKG LEYTEDPL
UniRef90_Q39U99 UniRef90_F8I548 UniRef90_O04167	V V D L V V T L I V D L T V T T V <u>V</u> D L T <mark>C</mark> K L	S	C S V I K N S S E G D L K G I I G Y T E E D V V N A A L K K A S K G S L K G V L G F S E E P L N Q A F Q A A A E G P L K G I L E Y T D E P L C N E V K K R A A G D M K G V L G Y C D E P L

QUERY UniRef90_K9LGW8 UniRef90_F7GB03	290 300 310 320 VSDDFNGSNHSSIFDAGAGIELNDTFVKLVSWYDNEFGYS VSCDFTSDKRSSIFDADAGIALNSTFVKLISWYDNEFGYS VSTDFIGDPNSSIFDAEAGIALNDYFVKLISWYDNEYGYS VSSDFLGDAHTSIFDAKAGIALNDNFVKLVSWYDNEWGYS
UniRef90_N1ZEC1 UniRef90_Q8VXD9 UniRef90_Q37264 UniRef90_E9INY0	V S S D F
UniRef90_V7I3G4 UniRef90_R9TFU3 UniRef90_Q9P8C0 UniRef90_S9RMP8	VIST DELIGION DE RISITEDAKA GILISILIN DHEVIKIL VISWY DNE WGYS
UniRef90_A0A024JNM3 UniRef90_P48812 UniRef90_R7F5N7 UniRef90_A8PVV0	V S A D F V G D T H S S I F D A T A G I Q L S P Q F V K L V S W Y D N E Y G Y S V S T D F L G D A H S S I F D A S A G I L L N E N F V K L I S W Y D N E Y G Y S V S T D F T G D T H S S I F D S L A C I S L N P N F V K L I A W Y D N E Y G Y S V S S D F L G D S H T S I F D A A A G I Q L T D T F V K L V A W Y D N E W G Y S V S Q D F V G D N H S S I F D A A A G I Q L T D T F V K L V S W Y D N E W G Y S V S S D F V G E V C S S V F D A A A G I Q L T P T F V K L I A W Y D N E Y G Y S V S S D F V G E V C S S V F D A A A G I Q L T P T F V K L I A W Y D N E Y G Y S
UniRef90_Q9C136 UniRef90_Q9UVC0 UniRef90_UPI0003766271	V S Q D F V G D N H S S I F D A K A G I A L S P N F V K L V S W Y D N E W G Y S V S S D F V G E V C S S V F D A A A G I Q L T P T F V K L I A W Y D N E Y G Y S V S S D F L T D N R S S I F D A E A G I W L S P R F V K L I A W Y D N E Y G Y S V S T D F Q G D R R S S I F D A G A G I E L N S N F F K I V S W Y D N E W G Y S V S T D F V S D P H S S I F D A G A G I S L N P N F V K L V S W Y D N E Y G Y S
UniRef90_P04970 UniRef90_M7B9B3 UniRef90_E4T480 UniRef90_R6UG66	V S T D F Q G D R R S S I F D A G A G I E L N S N F F K I V S W Y D N E W G Y S V S T D F V S D P H S S I F D A G A G I S L N P N F V K L V S W Y D N E Y G Y S V S S D F I G D S H S S I F D A G A G I S L N D N F V K L I S W Y D N E Y G Y S V S T D F V H E S R T S V F D A G A G I A L N G N F V K L V S W Y D N E W G Y S V S S D F I S D P H T S I F D V K A G I Q L S D N F V K L V S W Y D N E W G Y S
UniRef90_H9U0F9 UniRef90_E4T9S8 UniRef90_Q757I2 UniRef90_UPI000200171D	V S T D L N G D T R S S I F D A K A G I S L N K N F V K L V S WY D N E W G Y S V S A D F V G D T H S S I F D A T A G I Q L S P Q F V K L V S WY D N E Y G Y S V S T D F I G D A H S S I F D A S A G I L L N E N F V K L I S WY D N E Y G Y S V S T D F I G D T H S S I F D S L A C I S L N P N F V K L I A WY D N E W G Y S V S T D F I G D T H S S I F D A A A G I Q L T D T T V K L V A WY D N E W G Y S V S Q D F V G D N H S S I F D A K A G I A L S P N F V K L I A WY D N E Y G Y S V S S D F L G D S H T S I F D A G A G I Q L T P T F V K L I A WY D N E Y G Y S V S S D F L G D S H S S I F D A G A G I W L S P N F F K I V S WY D N E W G Y S V S S D F L T D N R S S I F D A G A G I W L S P N F F K I V S WY D N E W G Y S V S T D F Q G D R R S S I F D A G A G I S L N D N F V K L V S WY D N E W G Y S V S T D F V S D P H S S I F D A G A G I S L N D N F V K L V S WY D N E W G Y S V S T D F I G D S H S S I F D A G A G I A L N G N F V K L V S WY D N E W G Y S V S T D F I G D S R S S I F D A K A G I A L N G N F V K L V S WY D N E W G Y S V S T D F I G D S R S S I F D A S A G I M L S P N F V K L V S WY D N E W G Y S V S T D F I G D S R S S I F D A S A G I M L S P N F V K L V S WY D N E Y G Y S V S T D F I G D S R S S I F D A S A G I M L S P N F V K L V S WY D N E Y G Y S V S T D F I G D S R S S I F D A S A G I M L S P N F V K L V S WY D N E Y G Y S V S T D F I G D S R S S I F D A S A G I S L N D N F V K L V S WY D N E Y G Y S V S T D F I G D S R S S I F D A S A G I S L N D N F V K L V S WY D N E F G Y S V S T D F N G M T L T S I F D A K A G I S L N D N F V K L V S WY D N E F G Y S V S T D F N G M T L T S I F D A S A G I S L N D N F V K L V A WY D N E F G Y S V S T D F N G M T L T S I F D A S A G I S L N D N F V K L V A WY D N E F G Y S V S T D F N G M T L T S I F D A S A G I S L N D N F V K L V A WY D N E F G Y S V S T D F N G M T L T S I F D A S A G I S L N D N F V K L V A WY D N E F G Y S V S T D F N G M T L T S I F D A S A G I S L N D N F V K L V A WY D N E F G Y S V S T D F N G M T L T S I F D A S A G I S L N D N F V K L V A WY D N E
UniRef90_R5HY74 UniRef90_G0U6Y0 UniRef90_A0A058ZEN3 UniRef90_G1ELY2	V S T D F R G D S R T S F D A K A G Q L D P T F V K V S W Y D N E W G Y S V S T D N G M T L T S F D A K A G S L N D N F V K L S W Y D N E T G Y S V S N D F V G D S R S S F D A S A G S L N D N F V K L V A W Y D N E F G Y S V S T D F G D K H S S F D A K A G S L N N N F V K L V S W Y D N E W G Y S
UniRef90_I0YYL7 UniRef90_B4VKU1 UniRef90_K8GRK3 UniRef90_S3AGT6	V S S D F T D T H S S D A K A G Q S P T F V K L S WY D N E M G Y S V S T D F T T D P R S S F D A G A G M E L N S N F F K V V A WY D N E W G Y S V S M D F R S D P H S S F D S K A G E L N S N F F K V S WY D N E W G Y S V S D Y N G D P A S S T D S K I S T M V V G D N M V K V V S WY D N E W G Y S
UniRef90_K3WLI8 UniRef90_K8EL70 UniRef90_A3QVX2 UniRef90_UPI0002556152	V S N D F L H D K R S S I F D A S S C I A L N D N F V K L V S W Y D N E W G Y S V S T D F C H D S R S S I F D A K A G I M L G D D F V K L V S W Y D N E W G Y S V S T D F I G N K H S S I F D A E A G I A L N D N F V K L V S W Y D N E W G Y S V S D F L G D T R T S I Y D S A A S I C L T D T F V K L V S W Y D N E I G Y S
UniRef90_UPI000225AE6A UniRef90_E6TRD1 UniRef90_Q2YC26 UniRef90_Q8AXB5	V S S D F I G D S R T S I F D D A K A G I A L N D N F V K L V S WY D N E W G Y S V S T D F I G D S R S S I F D A K A G I A L N D K F V K L V S WY D N E W G Y S V S Q D F I G D K R T S I F D A K A G I A L N D K F V K L V S WY D N E Y G Y S V S T D F L G D N N S S I F D A S A G I M L S P N F V K L V S WY D N E W G Y S V S T D F L G D S R T S I F D A K A G I Q L D T F V K L V S WY D N E W G Y S V S T D F R G D S R T S I F D A K A G I S L N D N F V K L V S WY D N E W G Y S V S T D F R G D S R S S I F D A K A G I S L N D N F V K L V S WY D N E W G Y S V S T D F R G D S R S S I F D A K A G I S L N D N F V K L V S WY D N E W G Y S V S T D F I G D K H S S I F D A K A G I S L N D N F V K L V S WY D N E W G Y S V S T D F I G D K H S S I F D A K A G I S L N N N N F V K L V S WY D N E W G Y S V S T D F I T D P R S S I F D A K A G I S L N N N F F K V V A W Y D N E W G Y S V S T D F T T D P R S S I F D A K A G I E L N S N F F K V V A W Y D N E W G Y S V S S D F I D A S S C I A L N D N F V K L V S W Y D N E W G Y S V S N D F C H D S R S S I F D A S S C I A L N D N F V K L V S W Y D N E W G Y S V S T D F C G N K H S S I F D A S A G I A L N D N F V K L V S W Y D N E W G Y S V S T D F C G N K H S S I F D A K A G I A L N D N F V K L V S W Y D N E W G Y S V S S D F L G D T R T S I Y D S A A S L C L T D T F V K L V S W Y D N E W G Y S V S S D F L G D T R T S I Y D S A A S L C L T D T F V K L V S W Y D N E W G Y S V S S D F N G D D H S S I F D A E A G M A L N D N F V K L V S W Y D N E W G Y S V S S D F N G D D H S S I F D A K A G I A L N D N F V K L V S W Y D N E W G Y S V S S D F N G D D H S S I F D A K A G I A L N D N F V K L V S W Y D N E W G Y S V S S D F N G D D H S S I F D A K A G I A L N D N F V K L V S W Y D N E W G Y S V S D F N G D D H S S I F D A K A G I A L N D N F V K L V S W Y D N E W G Y S V S D F N G D D H S S I F D A K A G I A L N D N F V K L V S W Y D N E W G Y S V S D F N G D D H S S I F D A K A G I A L N D N F V K L V S W Y D N E W G Y S V S D F N G D D H S S I F D A K A G I A L N D N F V K L V S W Y D N E W G Y
UniRef90_A0A059LPF9 UniRef90_K1Q350 UniRef90_R6CHI1	V S A D F I G D K R S S I V D S K A G I Q L T D T F V K L V S W Y D N E W G Y S V S Q D F R G D K R S S I F D A K A G I Q L T D T F V K L V S W Y D N E F G Y S V S D F L G D P R T S I F D A K A G I M L N D T F V K L V S W Y D N E W G Y S V S N D F V G D T R T S I F D A K A G I S L S D N F V K V V S W Y D N E M G Y S
UniRef90_W7YHE4 UniRef90_UPI0003B6061F UniRef90_U6I118 UniRef90_UPI0004108C82	V S
UniRef90_M7PGV1 UniRef90_R6AVR4 UniRef90_B1GZE8 UniRef90_A3XJ91	V S S D F Y H D K R T S I F D A K A G I ML N D H F V K L V A WY D N E WG Y S V S S D F V G D A R T S I F D A K A G I A L T N K F V K V V S WY D N E WG Y S
UniRef90_C6Y446 UniRef90_E0I6D5 UniRef90_R5BFP8 UniRef90_A6H007	V S Q D F V S D P R T S I F D A G A G I E L N S K F F K I V S W Y D N E F G Y S V S S D F I G D D H A S I F D A K A G I S L N D N F V K V V S W Y D N E W G Y S V S K D Y L G N Q L S S V I D A L S T M V I D G T M V K V V S W F D N E W G Y S V S D F Y S D P H T C I F D A T A G I S L N P N F V K L I A W Y D N E W G Y S V S Q D F I G E K F T S I I D S K A G I G L N S T F F K L V S W Y D N E Y G Y S
UniRef90_UPI0003789548 UniRef90_UPI00037493A0 UniRef90_B3L9D3 UniRef90_Q67NW3	V S Q D F V S D P R T S I F D A G A G I E L N S K F F K I V S W Y D N E F G Y S V S S D F I G D D H A S I F D A K A G I S L N D N F V K V V S W Y D N E W G Y S V S K D Y L G N Q L S S V I D A L S T M V I D G N F V K V V S W F D N E W G Y S V S S D F Y S D P H T C I F D A T A G I S L N P N F V K L I A W Y D N E W G Y S V S Q D F I G E K F T S I I D S K A G I G L N S T F F K L V S W Y D N E Y G Y S V S R D Y N G D S H S S V I D A L S T M V L E G N M V K V L S W Y D N E T G Y S V S H D Y N G C P L S S I V D G L S T M V V G N M A K V V A W Y D N E W G Y S V S Q D F V H D K R S S I F D M K A G L A L N D N F F K I V S W Y D N E W G Y S V S V D F K G N P N S S I V D G P S T L V L D G N L V K V V S W Y D N E W G Y S V S D F I S D T H S S I F D D K A G I A L T D D F V K V V S W Y D N E A G Y S
UniRef90_B7FSI4 UniRef90_U9VTL0 UniRef90_L5K5L8 UniRef90_UPI0002D86143	V S T D F V G D P R S S I F D A G A G I E L N P N F F K L I T WY D N E W G Y S
UniRef90_D5WR91 UniRef90_A4J8U1 UniRef90_U3U7Z7 UniRef90_Q84LQ0	V S T D Y N G N P H S S V V D G D S T L V M E N N M V K V V T WY D N E S G Y S V S T D Y N G N P N S S V V D G L S T M V M E G T M V K A V A WY D N E W G Y S V S R D F N G N P N S S I V D G L S T M V M E G N M A K V V A WY D N E W G Y S V S D F N G E L T S V F D V K A G I A L N D N F V K L V S WY D N E T G Y S V S T D F V H D N R S S I F D A S A G I M L N E T F V K L V A WY D N E W G Y S V S K D F N G D A R S S I V D A D L T M V M E G N M A K V V A WY D N E W G Y S V S K D F N G D A R S S I V D A D L T M V M E G N M A K V V A WY D N E W G Y S V S K D F N G D A R S S I V D A D L T M V M E G N M A K V V A WY D N E W G Y S V S K D F N G D A R S S I V D A D L T M V M E G N M A K V V A WY D N E W G Y S V S K D F N G D A R S S I V D A D L T M V M E G N M A K V V A WY D N E W G Y S V S K D F N G D A R S S I V D A D L T M V M E G N M A K V V A WY D N E W G Y S V S K D F N G D A R S S I V D A D L T M V M E G N M A K V V A WY D N E W G Y S V S K D F N G D A R S S I V D A D L T M V M E G N M A K V V A WY D N E W G Y S V S K D F N G D A R S S I V D A D L T M V M E G N M A K V V A WY D N E W G Y S V S K D F N G D A R S S I V D A D L T M V M E G N M A K V V A WY D N E W G Y S V S K D F N G D A R S S I V D A D L T M V M E G N M A K V V A WY D N E W G Y S V S C T M V M E G N M A K V V A WY D N E W G Y S V S C T M V M E G N M A K V V A W Y D N E W G Y S V S C T M V M E G N M A K V V A W Y D N E W G Y S V S C T M V M E G N M A K V V A W Y D N E W G Y S V S C T M V M E G N M A K V V A W Y D N E W G Y S V S C T M V M E G N M A K V V A W Y D N E W G Y S V S T M V M E G N M A K V V A W Y D N E W G Y S V S T D T M V M E G N M A K V V A W Y D N E W G Y S V S T D T M V M E G N M A K V V A W Y D N E W G Y S V S T D T M T M T M T M T M T M T M T M T M
UniRef90_F9N5E1 UniRef90_Q6WEW0 UniRef90_E4L7V1 UniRef90_J3TFA7	V S S D F K T T Y V S T T I D S L L T M V M E D K M V K V I A WY D N E W G Y S
UniRef90_UPI000262501D UniRef90_Q8VXM4 UniRef90_A7GCE0 UniRef90_UPI000363B1E7	V S T D F R G Y P T P S I F D A G A G L Q L D P T F V K V V S WY D N E Y G Y T V S S D F I G D V R S S I F D A K A G I A L N G N F V K L V S WY D N E W G Y S V S R D Y N G N P H S S I V D A L S T M V V E G T M V K V I A WY D N E W G Y S V S M D F V G D T H S S I F A P M H T M A M G D R M I K L L S WY D N E C G Y S V S D F L G D A R T S T F D A K A G I A L T D T F V K V V S WY D N E G Y S V S D F L G D A R T S T F D A K A G I A L T D T F V K V V S WY D N E G Y S
UniRef90_G9PX01 UniRef90_D3IAC9 UniRef90_UPI00004936C3	V S M D F V G D T H S S I V D A L S I M V V E G I M V K V I A W Y D N E W G Y S V S M D F V G D T H S S I F A P M H T M A M G D R M I K L L S W Y D N E C G Y S V S S D F L G D A R T S I F D A K A G I A L T D T F V K V V S W Y D N E I G Y S V S S D F N S D T H S S T F D A G A S I A L N D H F F K L I S W Y D N E F G Y S V S D F N S D F D A G A S I A L N D H F F K L I S W Y D N E W G Y S
UniRef90_B6YQY5 UniRef90_F0YIN7 UniRef90_V5BE77 UniRef90_A3AV14	V S S D F N S D T H S S T F D A G A S I A L N D H F F K L I S WY D N E F G Y S V S S D F R G C S N T S I F D A E A G I S L D G N F A K I I S WY D N E W G Y S V S S D F I G D A H T S I F D A K A G I A L T D N F V K L V S WY D N E C G Y S V S S D F V H C K F S S V F D I N A G I M L N D N F V K L V S WY D N E W G Y S V S T D F Q G D N R S S I F D A K A G I A L N D N F V K L V S WY D N E W G Y S V S S D F N G N D H S S I I D G L S T M V M G D N Q V K V I A WY D N E W G Y S V S S D F N G N D H S S I I D G L S T M V M G D N Q V K V I A WY D N E W G Y S
UniRef90_C0Z7Z3 UniRef90_E9BXV4 UniRef90_B3EPD0 UniRef90_S6CCS4	
UniRef90_J7H0P9 UniRef90_Q39U99 UniRef90_F8I548 UniRef90_O04167	V S I D I V G N P N S C I L D S Q L T M A T G N M V K V V G W Y D N E L G Y S V S L D L V G N D H S S I F D S Q L T M V L E G N F V K C V S W Y D N E W G Y S V S T D F N G Q K L T C I F D A K A G L A L N N N F V K L V A W Y D N E T G Y S V S I D F N G N P L S S I V D A G C T K V I E G N M V K V L S W Y D N E T G F S V S G D F K G D P H S S I V D A G C T K V I E G N M V K V L A W Y D N E W G Y A V S T D F E S E S L S S T F D A E A G M L N P S F V K L V A W Y D N E W G Y S

QUERY	E R V V D L I A Y M S K K D N R V L D L I A Y M S K K D N R V V D L I S H M A S K K D N R V V D D L I S H M A S K K D N R V V D D L I S H M A A S K K D N R V V D D L I S H M A A S K K D N R V V D D L I S H M A A S K K D D N K L V D D L I K F A A A S K K D D N K L V D D L L A Y M S K K D D N K L V D D L L S Y M A A T T K S K K D D L L L S H M A A K K K D D N R V V D D L L S H M A A K K K D D N R V V D D L L S H M A A K K K D D N R V V D D L L S H M A A K K K D D N R V V D D L L S H M A A K K K D D N R V V D D L L S H M A A K K K D D N R V V D D L L S H M A A K K K D D L I S H M A A K K K D D L I S H M A A K K K D D L I S H M A A K K K D D L I S H M A A K K K D D L I S H M A A K K K D D L I S H M A A K K K D D L I L D L I A A M I L S K K K D D L I L D L I A A M I L S K K K D D L I L D L I A A M I L S K K K D D L I L D L I A A M I L S K K K D D L I L A A M I L S K K K D D L I A A M I L S K K K D D L I A A M I L S K K K D D L I A A M I L S K K K D D L I A A M I L S K K K D D L I A A M I L S K K K D D L I A A M I L S K K K D D L I A A M I L S K K K D D L I A A M I L S K K K C D D L I A A M I L S K K K D D L I A A M I L S K K K D D L I A A M I L S K K K D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A A M I L S K K K C D D L I A M I M A K K K K D D D L I A M I M A K K K K D D D L I A M I M A K K K K D D L I A M I M A K K K K D D D L I A M I M A K K K K D D D L I A M I M A K K K K D D D L I A M I M A K K K K D D D L I A M I M A K K K D D D L I A M I M A K K K I D D L I A M I M A K K K K D D D L I A M I M A K K K I D D L I A M I M A K K K I D D L I A M I M A K K K I D D L I A M I M A K K K I D D L I A M I M A K K K I
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UniRef90_Q9UVC0	TRVVDLLEYVASK
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UniRef90_H9U0F9	TRVVDLIVHVAS
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UniRef90_G1ELY2	RRV VDL TAYI AKKD
UniRef90_IUYYL <i>f</i> UniRef90_B4VKU1	NRMIDLILSARD
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UniRef90_K3WLI8	NRLVDLVVYMSTVD
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HINDPATON ENGINE	NRIVVIDILII AYMAEK
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UniRef90_D5WR91 UniRef90_A4J8U1	N R V V D L A V Y M A R K N R V L D L A L M V A E K
UniRef90_U3U7Z7	N K V L D L I A L I A S
UniRef90_U3U7Z7 UniRef90_Q84LQ0 UniRef90_F9N5E1 UniRef90_Q6WEW0	N R V V D L I T H M S K V D S R I V D L A V Y M S K R
	MRIIDLVAFIASK
UniRef90_J3TFA7	N K <u>V L </u> D <u>L </u>
UniRef90_UPI000262501D UniRef90_Q8VXM4	C N M M R F V K H V A S
UniRef90 A7GCE0	CRTVDLVNYVAK
UniRef90_UPI000363B1E7 UniRef90_G9PX01	N R V I D L A N Y II F K K
UniRef90_D3IAC9 UniRef90_UPI00004936C3	<u> </u>
UniRef90_B6YQY5	N K I L E <u>M</u> V R <u>II I</u> A K
UniRef90_F0YIN7 UniRef90_V5BE77	NKVLNLIEHM NRLVELAHYMSVQD
UniRef90_A3AV14 UniRef90_C0Z7Z3	SRVVDLIRHM CRVVDLVRHVSEQ
UniRef90_E9BXV4	HQLLRLKHCAAQ TRVVDLLEVFA
UniRef90_B3EPD0 UniRef90_S6CCS4	N RIVIK DIL VIK
UniRef90_J7H0P9 UniRef90_Q39U99	NKVLDLIAHI HRVVDLMKLIA
UniRef90_F8I548	N R L V E L T Q L V A K K D
UniRef90_O04167	T R V K D L M V H M A K V D

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UniRef90_Q6ME40 UniRef90_Q0C917 UniRef90_I0R0C5 UniRef90_S7KKC5 UniRef90_UPI00037A0F0B UniRef90_Q8VXQ6 UniRef90_W4VHU2 UniRef90_X5DS67 UniRef90_H0E675 UniRef90_F7HS59	RIGINGFGRIGRNYLRAALAQNSDLEIVAVNDPFIETH RRIGINGFGRIGRRYLRAALAQNSDLEIVAVNDLSDPK MRVVINGFGRIGRLVLRQIKRNSPIEVVAINDLVSGD RVAINGFGRIGRMVFRRAIMEDELEIAAINASYPAE VRVGINGFGRIGRMVIRQIMQRSGVQVVAINDPFIETD VKVGINGFGRIGRNVFRQALKNDEVEVVAVND LTDAN VRVGINGFGRIGRNFFRALRESGADLEVVAFNDLTDNK PVRVGINGFGRIGRNVFRAAKAANADIEFVAVNDLTDPK KIKAGVNGIVGIGSIVTRVVAFNSSKVDIVAANDPFIDIN
UniRef90_X1GAK7 UniRef90_X1GAK7 UniRef90_G7VA28 UniRef90_B4JW09 UniRef90_B1ZZ29 UniRef90_UPl00047B1C40 UniRef90_J6JCG8 UniRef90_D5SR26 UniRef90_UPl00030EF8B6	K L K A G V N G L V G I G S L V T R V A F N S S K V D I V A I N D P F I D L N K V K V G I N G F G R I G R L V F R Q A M D N P K F E L V A L N D L C D T K I K V G I N G F G R I G R N V F R A G L K D K E L D F V A A N D L T D A K K V R V A I N G F G R I G R N V F R A G L K R E D V Q V V A I N D P S M D P K I A I N G F G R I G R V F L R E A I K R E D V Q V V A I N D P S M D P K I K V G I N G F G R I G R L V F R A L V E Q S T F D V V A V G D I V P A D K I K V G I N G F G R I G R S V L R L A G N N L D N N V I V A I N D R A A D A E V R V A I N G F G R I G R N V L R A A A E R T D L E F V A I N D L A P V E A P V K V G I N G F G R I G R S V L R A A A A R P E E F E I V A V N D L G K P D V R I G I N G F G R I G R S V L R Q I L A G N T S L E V V A V N D L T D N A
UniRef90_Q2G6W6 UniRef90_UPl00016C5283 UniRef90_A8MFX8 UniRef90_UPl0003752F95 UniRef90_D8PCA7 UniRef90_L0NHR0 UniRef90_A4IRP2 UniRef90_B0VEY0 UniRef90_UPl0003753573 UniRef90_L7VSM8	K V K V G I N G F G R I G R L V F R Q A M D N P K F E I V A I N D L C D T K K V G I N G F G R I G R N V F R A G L K D K E I D F V A A N D L T D A K K V R V A I N G F G R I G R N V F R A G L K D K E I D F V A A N D L T D A K K V R V A I N G F G R I G R L A L R A M Y E D W S F E I V A T N S R T D A E I A I N G F G R I G R L A L R A A M Y E D W S T F D V V A V Q D L V P A D K V K V A I N G F G R I G R N V L R A A L V E Q S T F D V V A V Q D L V P A D K I K V G I N G F G R I G R N V L R A A A E R T D L E F V A I N D L A D A E V R V A I N G F G R I G R N V L R A A A A E R T D L E F V A I N D L L A D A K V R V A I N G F G R I G R N V A F R A M A A R P E E F E I V A V N D L L T D N A I K V A I N G F G R I G R N V A R A I L E R P D C G L L V S I N D L A D A K V K V G I N G F G R I G R N V A R A I L E R P D C G L L V S I N D L A D A K V K V G I N G F G R I G R N V A R A I L E R P D C G L L V S I N D L T D P K I K V A I N G F G R I G R N V F R A A V E Q K D L E V V A V N D L T T D A K T K V A I N G F G R I G R N V F R A A L A S G A D L E L V A V N D L T S N A R I G I N G F G R I G R N V L R A L A S G A D L E L V A V N D L L T S N A R I G I N G F G R I G R N V L R A S L A S G A D L E L V A V N D L L T S N A R I G I N G F G R I G R N V L R A S L A S G A D L E L V A V N D L L T S N A R I G I N G F G R I G R N V L R A S L A S G A D L E L V A V N D L L T D A K V K V G I N G F G R I G R N V L R A I Q E S G R T D I V A V N D L G D V A V A I N D L G D V A V A I N G F G R I G R N F Y R A L L A S G Q D V E V V A F N D L G D V A V N D L G R N F F R A V Q A S G Q D V E V V A F N D L G D V A V N D L G R N F Y R A A F G N E P I E I V A V N D L G S P D V R V A I N G F G R I G R N F Y R A A F G N E P I E I V A V N D L G S P D V R V A I N G F G R I G R N F Y R A A F G N E P I E I V A V N D L G S P D V R V A I N G F G R I G R N F Y R A A F G N E P I E I V A V N D L G S P D V R V A I N G F G R I G R N F Y R A A F G N E P I E I V A V N D L G S P D V R V A I N G F G R I G R I G R N F Y R A A F G N E P I E I V A V N D L G S P D V R V A I N
UniRef90_B8FW51 UniRef90_F8P9T8 UniRef90_I4BW45 UniRef90_M4S5G0 UniRef90_B9ZYW6 UniRef90_B9ZYW6 UniRef90_A3KA29 UniRef90_D1C371 UniRef90_L8JKJ6 UniRef90_U2KR59	RVAINGFGRIGRLCMRAMMQYDTCEVVVAIND LASPEVKVAINGFGRIGRLVARALLGRYNIIAVNDLL PVEMRFAINGFGRIGRWIARALLERPDSELVAINDLL PVEMRFAINGFGRIGRWILRIAIERN VDIVAINDEL PVEMRFAINGFGRIGRNVLRAIIESGRTDIVAVNDLL PVEVXGINGFGRIGRNVLRAIIESGRTDIVAVNDLLTSPHRVAINGFGRIGRQVLKAIVGEYVAINDLTSPHRVAINGFGRIGRRLAFKALLQKGNVEVVAINDLTDVA
UniRef90_UP10002F3387A UniRef90_UP10003B48A05 UniRef90_V5FIK7 UniRef90_U4UWH6 UniRef90_W7Z5G4 UniRef90_K2EGJ3 UniRef90_B9E793 UniRef90_I4B0G0 UniRef90_UP10003706832	VKVAINGFGRIGRNVLRAIVESGRTDIVVAINDLGPVE KAKMAINGFGRIGRMVFRKAFLEGKADITAI NASYPAE RVAINGFGRIGRMVFRKAFLENRRSDIVVAINDLGSLE KTRVAINGLGRIGRMVFRAALLDDNLLEVVAINASYPPE
UniRef90_F6BUN7 UniRef90_Q6WEV2 UniRef90_A0A023NYY4 UniRef90_E2ZEC1 UniRef90_A7HUY8 UniRef90_UP10003B3D516 UniRef90_UP100037CA328 UniRef90_UP1000424A222	KVGI NGFGRI GRLVARAAFANPNATVVAI NDPFMSLD IKVAI NGYGRI GRNLLRALYEAGRTNQI VAI NDLGNAE VKI GI SGFGRI GRCTFRTALSQPDVEI VAI NNRSVGP VRVAI NGFGRI GRLVLRAI AESGRKDI VVAI NDLGSVD I KLAI NGFGRI GRNVLRAI ESGRKDI VVAI NDLGSVD
UniRef90_Y0KJN0 UniRef90_A6WC56 UniRef90_UPl0002FEFA8F UniRef90_UPl0003B3D7DC UniRef90_C2GHS8 UniRef90_M1NSW2 UniRef90_H5SEK6 UniRef90_UPl000344987D UniRef90_K9UDS1 UniRef90_Q67ME4	RVGI NGFGRI GRNFFRAAL AQNADFEI VAVNDL TDAK LKLAI NGFGRI GRVVFREAL KNKKVEVI AI ND LADAE VKVGI NGFGRI GRLLLRAL ENYKGKI VVGI NDL GSLE VRVGI NGFGRI GRNFFRAVLERGSDLEI VSVNDLTDNK RVGI NGFGRI GRNLFRAVLSRTDDLEVVAVNDL TDTK PIRI GI NGFGRI GRNLFRAVLSRTDDLEVVAVND LTDSK VKVGI NGFGRI GRRVLRAALGRDDFQVVAI ND LTDSK LKI GI NGFGRI GRRVLRAALGRDDFQVVAI ND LTDSK KANVAI NGFGRI GRRVCRARIAMTHPPLLNLVAV NASYPAE
UniRef90_A3ZMY1 UniRef90_B8FWG9 UniRef90_F4CYG8 UniRef90_W0RK84 UniRef90_E0MPF9 UniRef90_Q7UVH8 UniRef90_C4L467 UniRef90_E3J1R1 UniRef90_D3F8U8	K V A I N G F G R I G R N V L R A I L E S G R T D L V V G I N D L G P V E I K V A I N G F G R I G R L T F R N L M E R S D E F E V V A I N D L T D N R K V A I N G F G R I G R M V F R K L M L E G R H E V V A I N A S Y P A E R V G V N G F G R I G R N F W R A L A A S K Q A G L V V A V N D L T N N K P L R V G I N G F G R I G R N V F R A A Q E Q G A D I E F V A V N D L T D V K
UniRef90_A7HCN8 UniRef90_F0RMU8 UniRef90_B3MD85 UniRef90_A6TU34 UniRef90_G3RQE6 UniRef90_F5L954 UniRef90_F2Z641 UniRef90_L7L970	RIAVNGFGRIGRLVFR A AIERGEKDLFVSINDLTDTK MKVGINGFGRIGRLVFR I LNQRGVDVVAIND LTDNK GINGFGRIGRLFARLALVRPDVQILAIND LTDNK VKVAINGFGRIGRNAFKLAFEKRDWEIVAIND LTDAK LVTRAAFNSGKVDVLTISDPSLDLN I GINGFGRIGRMVFRKAITDPELDVVAINATY PAE A QINIGINGFGRIGRLVLRAALTHPEVKVRLINNPSTTPE VRVGINGFGRIGRNFFRAVLA QNDIEIVAVND LTDIN

	50 60 70 80
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UniRef90_UPI00016C5283	PNELP	WKEFGVEYVLE	STGLWT	KASDARGHL	EAGAKKVVI
UniRef90_A8MFX8 UniRef90_UPI0003752F95	PGKLP	WGELGVDLVIE WGDLGADIVIE	=	о к к D [V]	DGGAKKVII
UniRef90_D8PCA7	PKELP	WKALGVEIVV	<u>S</u> ŢĞ <u>H</u> FŢÏ	KASDARGHL SKKDVSKHM DATKAKAHI DREGAGKHL	SAGAKTVII
UniRef90_L0NHR0 UniRef90_A4IRP2		WK ELLDI DI AME	E O I GILLE I S	S R E K A S L H L I	S N G S K R V L V D A G A K R V I L
UniRef90_B0VEY0	PEVLP	WKDLGVEFVI	STGEFTS		KAGAKKVIL
UniRef90_UPI0003753573	PAKLP	WGDLGVDVVV	STGFFT	DAEAAKAHL	AGGAKKVII
UniRef90_L7VSM8 UniRef90_B8FW51		WGDLGVDYVIEWRKLGVDIVIE	ESIGHFIN	K A D D A K K H I I	E A G A K K V I I I T A G A K K V V I
UniRef90_F8P9T8	PANIA	WGSVGADYIVE	STGÜFT	IIDKASAHILI	KGGAKKVII
UniRef90_I4BW45 UniRef90_M4S5G0		WKDLGVDIVVE HAANGVDIAFE	=	D G E K A K A H I D R A S A E <u>K</u> H I	A A G A K K V I I I A A G A K K V L I
UniRef90_K1ZQQ3	PSQIK	WAEMGVDIVFE WGESEVDVVF	ŠŤĞĹFŤ	S R E K A E L H L	KGGAKKVII
UniRef90_B9ZYW6	P E E I P	WGESEVDVVFE WGDVDVI ME		T V E M A N G H L	EGGAKKVII
UniRef90_A3KA29 UniRef90_D1C371		WG DVDVIME WKDLGVELVI	E <mark>C</mark> TGLFTS ESTGFFT	S K E K <mark>C</mark> Q A H L D A T K A R A H I	S T G A K R V L I E A G A K K V I I
UniRef90_L8JKJ6	PAQLP	WGKMNVDVVL	STGRFV	DEEGSKKHII	QAGAKRVVI
UniRef90_U2KR59 UniRef90_UPI0002F3387A	P E N L P	WKELGVDLVI YKELGVDVALE	OSIGVEKI E <mark>C</mark> TG <u>L</u> FTA		K A G A K K V I I I D A G A K R V L V
UniRef90_UPI0003B48A05	PGKLP	HKDMGLDLVL	CTGFFQS	S <u>H</u> E A A Q P H L	DAGAKRVLI
UniRef90_V5FIK7 UniRef90_U4UWH6		WGDAGADYVVE WDGVDVVLE	STGIFKS	SLDKAKAHII	N G G A K K V I I E N G A H R V L V
UniRef90_W7Z5G4	PRNLP	WNSLGVDIVI	EATGKFKI	TRETASTHI	EAGAKKVII
UniRef90_K2EGJ3	PIPLP	WK DLNI DVA ME	E <mark>C</mark> S G H F T k	KREAASQH L	I A G A K K V L I
UniRef90_B9E793 UniRef90_I4B0G0	P E L L P	WKDMNIDIVIEWGEFGCDIVIE	ESTGRETI	D A E K A A A H I I	KAGAKKIVLLI
UniRef90_UPI0003706832	PAQLP	WG E F G C D V E H K E L G V Q A L E H K E L G V D A M E WG E A G A D Y V C E WG A L G V D V V L E WK E A G V D I V V E WK D L G V D I A L E	CTGFTA	DAHQAKTHI ARDKAAAHL	AAGAQRVLI
UniRef90_F6BUN7 UniRef90_Q6WEV2	P A E L P	WG F A G A D Y V C F	= <mark>C</mark>	A R D K A A A H L I	E A G A K R V I V
UniRef90_A0A023NYY4	PSKLP	WGALGVDVVL	CTGLFTS	SKAKASAHI	AAGAKKVII
UniRef90_E2ZEC1	P A N I A	WKEAGVDIVVE	STGKFKI	D H K S A S K H L I	AGGAKKVVI
UniRef90_A7HUY8 UniRef90_UPI0003B3D516	PAKLP PTKLP	WGDLGVEVVL	CTGLFTS	SKEKASAHL	QGGAKKVLV
UniRef90_Q7NN83	PLNLP	WKDWGVDLVI	SIGUEIS	SRDGASKHL	AAGAKKVLI
UniRef90_UPI00037CA328 UniRef90_UPI000424A222	P Q N L D	WASVGADIVIE WAEAGVDMVIE	ESTGRFIII ESTGRFIII	JAIKAKAH V TTEAAFGH I	RAGAGKIVIII
UniRef90_Y0KJN0	PANIP	WGALGVDVVLEWKEAGVDIVVEWKDLGVDIALEWGDLGVEVVLEWKDWGVDLVIEWASVGADIVIEWAAAGVDVVVEWGKHELDIVVE	CŢĞŸĘĹ	ŢQĀŢ <mark>Ċ</mark> QĂĦ	QQĞAKKVVQ
UniRef90_A6WC56 UniRef90_UPI0002FEFA8F	PANLG PSAIP	WG DLIGIVIDIV V VI	ESIGFFT[DATGITEPT	J G E K A K A <mark>H</mark> L D T E S A G K H II	IAGAKKVVV
UniRef90_UPI0003B3D7DC	PAKLP	WGKIGADVVL	Ĕ <mark>Ċ</mark> ŤĞ <u>F</u> FÜİ	D K A S A G K H I	EAGAKKVII
UniRef90_C2GHS8	PKNLK	WGEENVDIVIEWSAHDVDIVIE	STGLETE	ERSAAAAHL	EAGAKKVII
UniRef90_M1NSW2 UniRef90 H5SEK6	PKNLD PSELP	WG K G A D V V L E WG E E N V D V I E WS A H D V D V I E WS S V G V E V I E WS S V G V E V I E WS S V G V D V V E WG D M G V D V V V E W K E L G V D L V I E WK D L G V D V V V E WK D L G V D V V V E WK D L G V D V V V E WK D L G V D V V V E WK D L G V D V V V E	ESIGFFÍ[E <mark>C</mark> TGRFTF)	E A G A K K V I I
UniRef90_UPI000344987D	PALIP	WSSVGVELVI	ĀŢĞFFŢ	EKAKA E WHI	KGGAKRVII
UniRef90_K9UDS1 UniRef90_Q67ME4	PAELP ASRLP	WRKLGADYVVE	: STGFFT1	IFEGAQK <mark>H</mark> II FRFRAAII <mark>L</mark> III	Q A G A K R V V I
UniRef90_A3ZMY1	PAALP	WGDMGVDVVV	STGVFT	S R K T D A K H L	DAGAKKVVL
UniRef90_B8FWG9	PGKLP	WRELGVDLVI	ATGRETI	K R E Q A A L H L	QAGAKKVII
UniRef90_F4CYG8 UniRef90_W0RK84	P A Q L P P A K L P	WK DL GVDV V V	=	K R E G A A K H L D A D K A K A H I D P A K A K A H I	D A G A K K V V I I
UniRef90_E0MPF9		WCELCVELAM			EACAKKVIII
UniRef90_Q7UVH8 UniRef90_C4L467	PRNLP PSRLP	WKDHNVDIAI	ESTGFFT/	ARSTADK <mark>H</mark> L	A A G A K K V V L
UniRef90_E3J1R1	PAELP	WGELGVDIVI	ESTGRETI	D R D S A A K H L	AAGAKKVII
UniRef90_D3F8U8	PAALP	WGDLGVDVVI	STGFFT	KREDAAKHL	AGGAKKVII
UniRef90_A7HCN8 UniRef90_F0RMU8	P A D L P P A K I N	WKDHNVDIAI WSDLEIDIVV WGELGVDIVI HQKNQVDLVI WGDLGVDVVI WGDLGVDVVI WGDLGVDLVI	= <mark>∪</mark>	EKEKAEGH L DREGASKH I	Q G G A K K V I I
UniRef90_B3MD85	<u> </u>	WCDFGVKTVV	<u>Č</u> ŠĞ <u>K</u> FT	TÜEK <mark>C</mark> KPHL	DNGAKKVVI
UniRef90_A6TU34 UniRef90_G3RQE6	PEKLP	WCDFGVKTVVE WKELGVDIVI WGHAGAEYI WGDLGVDVVI WASYNVDYVI WKDLGVDVVVE	= A T G F R] = D T S E T]	I K E T A S K <mark>H</mark> II T M E K A G A <mark>L</mark> II	IAGAKKVII
UniRef90_F5L954	PLELP	WGDLGVDVV	A T G K F R I	D <u>R</u> EGVEKHF	ASGAKKVVL
UniRef90_F2Z641	PERIP	WASYNVDYVI	STGVFK	EVDTĀSR	H K G V K K V I I
UniRef90_L7L970	P A A L P	W K D L G V D V V V E	_ S	чкияая G H L	E A G A K K V I I

UniRef90 UPI0003B4E512	130 140 150 160 SAPDEDATFVIGVNEHEYDPERHHIISNAS <mark>C</mark> TTN C LAPLA
UniRef90_A0A037Z6P2	S A P A K D T V L G V N E D K Y D S K E H N
UniRef90_UPI0003B4D99B UniRef90_UPI00028A22C9	TAPGKDITI VMGVNEEAYIPEQHDI I SNASCTTNCLAPVA SAPSPDAPMFVMGVNEKELKPTDLI I SNASCTTNCLAPLA
UniRef90 UPI000348C503	TAPGKDII ITIV V VIGIVIN EGDY K PDEHHILLIS NAS <mark>C</mark> TTN CILIAPIVIA
UniRef90_C5KIN0	SAPPKONPMFIVIMGIVINNKEY I SOLIKII VISNAS <mark>S</mark> I I HCILIAPIL <u>V</u>
UniRef90_UPI0003657852	SAPGKDGTF <mark>CMGINEHL</mark> YDPSKHFIIISNAS <mark>C</mark> TTN <mark>C</mark> LAPIA TAPSADAPMFVMGVNEHTYDTSYNIVSNASCTTNCLAPIA SAPADVPTFVMGVNEKNYNPATDRIVSNASCTTNCLAPIT
UniRef90_T1F731 UniRef90 Q6ME40	TAPSADAPMEVMGVNEHTYDTSYNI VSNASCTTNCLAPI A SAPADVPTFVMGVNEKNYNPATDRI VSNASCTTNCLAPI T
UniRef90_Q0C917	SAPSADAPMFVMGVNNTSYKKDINVL SNAS <mark>C</mark> TTN <mark>C</mark> L AP L A
UniRef90_I0R0C5 UniRef90_S7KKC5	SAPAEDATEIVI IGIVINE HIL IYEPDNH HIVI ISNAS <mark>C</mark> ITT N CI LIAPIL VI
UniRef90_UPI00037A0F0B	TAPAK VPTFVMGVNEHKFDPKNDLIISNASCTTNCLAPLA TAPGKDEDVTVVINEGDLDVERHRLISNASCTTNCLGPVV
UniRef90_Q8VXQ6	SAPSDDTPMFIVIMGIVINHFFYHKDII ITFIVISNASCTTNGII IAPAA
UniRef90_W4VHU2 UniRef90_X5DS67	SAPSPDAD <u>VII LVK</u> NDDKYDAASHHVI SNAS <mark>C</mark> I I N <mark>C</mark> I JAPF <u>V</u>
UniRef90_X3D307	SAPAK DIVITII VI IGIVIN D D A Y D K A N H HIV VIS N A S C T T N CII IA P F A
UniRef90_F7HS59	S A A S S D A <u>P M F I V M S M N H E K Y D N T L I K I</u> I S N A S <mark>C</mark> T T N <mark>C</mark> L <u>V P L A</u>
UniRef90_Q3B2T7 UniRef90_X1GAK7	SAPAKDILITIL VI IGIVINE DRYILIPEEHHILLISNAS <mark>C</mark> TTNCII IAPIVIA
UniRef90_G7VA28	TAPAKGDVPTI VMGVNEYDPQKHSI VSNASCTTNCLAPVV
UniRef90_B4JW09 UniRef90_B1ZZ29	TAPAKGDVPTI VMGVNEYDPQKHSI VSNASCTTNCLAPVV SAPSADAPMFVCGVNLDKYEPKMKI I SNASCTTNCLAPVV SAPAKGEDITVVMGVNDDDVKKHNI I SNASCTTNCLAPVV
UniRef90_B12229 UniRef90_UPI00047B1C40	TAPGSNEDILITIV VIMNEDKY DNNI HNI I SNASCTTNCLAPFV
UniRef90_J6JCG8	TAPGSNEDLTVVMNEDKYDNNIHNI I SNASCTTNCLAPFV SAPSDGADTVVYGVNNDKLTKDHLVVSNASCTTNCLAPVA SAPAKDTPDVVVGVNDNQLTPEHKCLSNASCTTNCLAPVA
UniRef90_D5SR26 UniRef90_UPI00030EF8B6	T A P G S N E D L T V V M N E D K Y D N N I H N I I S N A S C T T N C L A P F V S A P S D G A D T V V Y G V N N D K L T K D H L V V S N A S C T T N C L A P V A S A P A K D T P D V V V G V N D N Q L T P E H K C I S N A S C T T N C L A P V A S A P K D D G M F V M G V N H E D F D P Q K H H V F S N A S C T T N C L A P L A
UniRef90_Q2G6W6	SAPAKNUDTUVUYGUNHDKI TGDHKI VSNAS <mark>C</mark> TTN <mark>C</mark> I APMA
UniRef90_UPI00016C5283	S A P A K N V D T V V Y G V N H D K L T G D H K II V S N A S C T T N C L A P M A S A P A T D E D I T V V M N N D K Y D P A K H N I V S N A S C T T N C L A P V A S A P A K D E D I T I V M N E E D Y D A A N H N V I S N A S C T T N C L A P V A S A P A K N E D V T V V M N H E K Y D P A A H T I I S N A S C T T N C L A P M A S A P A K D P D A T V V L G V N E Q V F D V H H I V S N A S C T T N C L A P V A
UniRef90_A8MFX8 UniRef90_UPI0003752F95	
UniRef90_D8PCA7	S A P A K N E DIVITIV VIMN H E K Y D P A A H T II I S N A S C T T N C L A P M A S A P A K D P D A T V V L G V N E Q V F D V H H I V S N A S C T T N C L A P V A S A P A D A D K T I V Y G V N H D T L T K D D L V V S N A S C T T N C L A P V A
UniRef90_L0NHR0 UniRef90_A4IRP2	SAPADADKIJI VIY GIVIN H DI ILII K DDIL V VISNAS <mark>C</mark> I I N <mark>C</mark> ILIA PIVIA
UniRef90_B0VEY0	TAPAK DEIVIDII VIMGIVIN HTSII IKAE HTII VISNASCTTNICII IAPIVIA
UniRef90_UPI0003753573	S A P A K N E D L T V V L G A N D A Y D G S Q T I S N A S C T T N C L A P L A
UniRef90_L7VSM8 UniRef90_B8FW51	S A P A K D A T F V M G V N H K D Y N P A Q H N V V S N A S C T T N C L A P M A S A P A K D L T I V M G V N D D Q Y Q P Q E H H I I S N A S C T T N C L A P V A
UniRef90_F8P9T8	SAPSADAP M F V C G V N L D A Y D S K Y T V I S N A S C T T N C L A P L A S A P A E D L T I V M G V N E D K Y D P S K H V I I S N A S C T T N C L A P V V
UniRef90_I4BW45 UniRef90_M4S5G0	SAPGKNIVIDII ITIV VIEGIVIN DDKKPEHNII. VISNASCT TNICII IAPIVIA
UniRef90_K1ZQQ3	
UniRef90_B9ZYW6 UniRef90_A3KA29	SAPAKDITI VMGVNHESYQPAKHHVLSNASCTTNCLAPVV SAPSKDAKMYVMGVNHQELSINDLI VSNGSCTTNCLAPLA SAPGTNADKTI VFGVNDSVLTKDDVVSNASCTTNCLSPVA TAPAKNEDITVVVNEDQYDPERHQI I SNASCTTNCLAPVA
UniRef90_D1C371	TAPAKNEDII TVVVNEDQYDPERHQI I SNAS <mark>C</mark> TTN <mark>C</mark> LAPVA
UniRef90_L8JKJ6	TAPAKNEDITVVVNEDQYDPERHQIISNASCTTNCLAPVA SAPAKGNIPTVVLGVNDDITGNEEVVSNASCTTNCLAPVA TAPAKDADITVVMNNDKYDSSKHHIISNASCTTNCLAPLT
UniRef90_U2KR59 UniRef90_UPI0002F3387A	T A P A K D A D T V V M N N D K Y D S S K H H I S N A S C T T N C L A P L T S A P G D G A D T V Y G V N H D K L T K D H L I V S N A S C T T N C L A P V A
UniRef90_UPI0003B48A05	SAPGDGADTI VYGVN H D KLTK D H L I V S N A S C T T N C L A P V A S A P A K V S K T I V F G V N Q D S L T A D D L I V S N A S C T T N C L A P V A S A P S P D A P M F V L G V N E S E Y K P E M N I V S M A S C T T N C L A P L T
UniRef90_V5FIK7 UniRef90_U4UWH6	S A P A K V S K T I V F G V N Q D S L T A D D L I V S N A S C T T N C L A P V A S A P S P D A P M F V L G V N E S E Y K P E M N I V S M A S C T T N C L A P L T S A P S G A D N T I V Y G V N H D T L T S D Q I I V S N A S C T T N C L A P V A T A P A K G E D T I V M G V N E S D Y K E D D A I L S N A S C T T N C L A P V V S A P A G A D I T V V W G V N N K D L R P E H K V V S N A S C T T N C L A P V A T A P G K G N V Q T I V R G V N C A Q V E K Y D V I S N A S C T T N C L A P V A
UniRef90_W7Z5G4	SAPSGADNTT VYGVNHDTLT SDQLT VSNASCTTNCLSPVA TAPAKGEDTI VMGVNESDYKEDDAI LSNASCTTNCLAPVV
UniRef90_K2EGJ3 UniRef90_B9E793	S A P A G A D L T V V W G V N N K D L R P E H K V V S N A S C T T N C L A P V A T A P G K G N V Q T I V R G V N C A Q V E K Y D V I S N A S C T T N C L A P V A
UniRef90_I4B0G0	S A P A E D G T F V L G V N E K S F D K A K H K I I I S N A S C T T N C L A P V A
UniRef90_UPI0003706832 UniRef90_F6BUN7	S A P G E D A D T V Y G N H Q L T K D H L V S N A S C T T N C L S P V A S A P A D G A D T V Y G V N H D K L T K D H L V S N A S C T T N C L V P V A
UniRef90_P6BUN7 UniRef90_Q6WEV2	SAPPKDNPMYVIGVNHTKYDGSAHVVSNASCTTNCLAPLA
UniRef90_A0A023NYY4	SAPKDVDGTFVIGVNTDKLTSKLEVISNASCTTNCLAPLA TAPGKDADATIVMNEETYDPDKHHIVSNGSCTTNCLAPVA
UniRef90_E2ZEC1 UniRef90_A7HUY8	S A P G E D A D T I V Y G V N H Q L T K D H L I V S N A S C T T N C L S P V A S A P A D G A D T V V Y G V N H D K L T K D H L V I S N A S C T T N C L V P V A S A P P K D N P M Y V I G V N H T K Y D G S A H V V S N A S C T T N C L A P L A S A P K D V D G T F V I G V N T D K L T S K L E V I S N A S C T T N C L A P L A T A P G K D A D A T I V M N E E T Y D P D K H H I V S N G S C T T N C L A P V A S A P G E N S D L T V V Y G V N H S A K K S H K V V S N A S C T T N C L A P V A S A P G D V D A T V V Y G V N H Q V L K A S D T V V S N A S C T T N C L A P V A S A P G D D G T F V M G V N D H N Y D P E K H T I I S N A S C T T N C L A P V A S A P A K D L T V M G V N H E L Y D A G K H T I I S N A S C T T N C L A P M A
UniRef90_UPI0003B3D516	SAPGDVDATVVYGVNHQVLKASDTVVSNASCTTNCLAPLV
UniRef90_Q7NN83 UniRef90_UPI00037CA328	TAPGDDGTFVMGVNDHNYDPEKHTIISNASCTTNCLAPVA SAPAKDLTLVMGVNHELYDAGKHTIISNASCTTNCLAPMA
UniRef90_UPI000424A222	S G P P K D D T P V F V M G V N A T A Y A G E T I V S N A S C T T N C V A P L A
UniRef90_Y0KJN0 UniRef90_A6WC56	S A P G K D D T P M F V Y G V N H A D Y K G E A I V S A A S C T T N A L A P I A S A P A D D V T V V M G V N D S D Y D G S K H A I I S N A S C T T N C L A P L A
UniRef90_UPI0002FEFA8F	SAPGKVPTFVMGVNHESYNGKTDHVVSNAS <mark>C</mark> TTNSLAPVA
UniRef90_UPI0003B3D7DC	S A P A K V D F T V V Q G V N S K E L K K E H N I I S N G S C T T N C L A P V A S A P G K D A T F V V G V N H T D Y D P E N H V I V S N A S C T T N C L A P V A
UniRef90_C2GHS8 UniRef90_M1NSW2	S A P A K D A T F IV Y G V IN H T D Y D P E N H T V I S A A S C T T N C L A P V A
UniRef90_H5SEK6	SAPAK DPDI TI VMNEKKYDPRNHNI I SNASCTTNCL APLA SAPGKDDDI TVVMNHQQYDPAQHRVVSNGSCTTNGL APA SAPTKDPDKI MGVNHQEFDPATDEI I SNASCTTNCL APVA
UniRef90_UPI000344987D UniRef90_K9UDS1	S A P G K D D D T V V M N H Q Q Y D P A Q H R V V S N G S C T T N G L A P A A S A P T K D P D K M G V N H Q E F D P A T D E I I S N A S C T T N C L A P V A
UniRef90_Q67ME4	TTATKDPDVTVVMGVNEYRPAEHHLIAAASCTTNCLAPVA
UniRef90_A3ZMY1 UniRef90_B8FWG9	S A P A K D A P <mark>D C V L G V N D H</mark> E L T A D M K T V S N A S C T T N <mark>C</mark> L A P V A S A P G K D T T V M G V N E H L Y N P A E H H T L S N A S C T T N G L A P L A
UniRef90_F4CYG8	SAPGKDITIVMGVNEHLYNPAEHHILSNASCTTNGLAPLA SAPAGEDITIVKGVNDDQYDGSQTIISNASCTTNCLAPLA
UniRef90_W0RK84	SAPAK DUTUVMGVNS DKY DATKHNI I SNASCTTNCL VPMV
UniRef90_E0MPF9 UniRef90_Q7UVH8	S A P V N A E K T I V Y G V N H N T L T A D D T I V S N A S C T T N C L A P V A S A P A K D D L T C V L G V N D D K L S A D L N C V S N A S C T T N C L A P V A
UniRef90_C4L467	TAPGKGDLRTIVMNDRDYRPEEDHIISNASCTTNCLGPVV
UniRef90_E3J1R1 UniRef90_D3F8U8	S A P G K D D D I T V V M N H Q Q Y D P A Q H R V V S N G S C T T N G L A P A A S A P T K D P D K I M G V N H Q E F D P A T D E I I S N A S C T T N C L A P V A T T A T K D P D V T V M G V N E Y R P A E H H I I A A A S C T T N C L A P V A S A P A K D A P D C V L G V N D H E L T A D M K T V S N A S C T T N C L A P V A S A P A K D I T I V M G V N D D Q Y D G S Q T I I S N A S C T T N C L A P L A S A P A K D L T I V M G V N S D K Y D A T K H N I I S N A S C T T N C L A P L A S A P A K D L T I V M G V N S D K Y D A T K H N I I S N A S C T T N C L V P M V S A P V N A E K T I V Y G V N H N T L T A D D T I V S N A S C T T N C L A P V A S A P A K D D L T C V L G V N D D K L S A D L N C V S N A S C T T N C L G P V V S A P A K G E D L T V V M G V N D Y D P A T Q H V L S N A S C T T N C V A P L A S A P A K G E D L T V V M G V N D Y D P A T Q H V L S N A S C T T N C L A P V A S A P A K G E D L T V V M G V N D Y D P A T Q H V L S N A S C T T N C L A P V A S A P A T G P D A T V V V N F D T Y D K A N H T V I S N A S C T T N C L A P V A
UniRef90_A7HCN8	SAPATGPDATVVVNFDTYDKANHTVISNASCTTNCLAPVA SAPAKGPDITVAFNHEKLDRAKHKIISNASCTTNCLTPVA TAPAKDLSLVLGVNENDYDPAQHNIISNASCTTNSLAAPM
UniRef90_F0RMU8	TAPAKDISIVLGVNENDYDPAQHNIISNASCTTNSLAAPM SAPSAD <u>APMFVCGV</u> NLDSYKPGTKVISNASCTTNCLAP <u>V</u> A
UniRef90_B3MD85 UniRef90_A6TU34	SAPSADAPMFVOGVNLDSYKPGTKVISNASCTTNCLAPVATAPAKDLTUVMGVNEENYDATNHHVISNASCTTNCLAPFASAPSAEAPMFLGMNH EKYDNSLKLISNASCTTNCLAPLA
UniRef90_G3RQE6	SAPAKGEDLTVVMGVNDTYDPATQHVLSNASCTTNCVAPLASAPAKGPDLTVVAFDLANHTVISNASCTTNCLAPVASAPAKGPDLTVAFNHEKLDRAKHKIISNASCTTNCLTTPVATAPAKDLSLVLGVNENDYDPAQHNIISNASCTTNCLTPVATAPAKDLSLVLGVNENDYDPAQHNIISNASCTTNCLAPWATAPAKDLTIVMGVNEENYDATNHHVISNASCTTNCLAPFASAPSAEAPMFIGMNH EKYDNSLKLISNASCTTNCLAPFASAPSAEAPMFIGMNH EKYDNSLKLISNASCTTNCLAPLATAPGKDVTLVMGVNEHVYDPERHHFISNASCTTNCLAPLATAPSKTAPMYVYVNHVKYNPLTDHVVSNASCTTNCLAPLASAPATDPDLTVVMGVNDDQYDSQNIISNASCTTNCLAPLA
UniRef90_F5L954 UniRef90_F2Z641	T A P G K D V T I V M G V N E H V Y D P E R H H F I S N A S C T T N C L A P I A T A P S K T A P M Y V Y V N H V K Y N P L T D H V V S N A S C T T N C L A P L V
UniRef90_L7L970	SAPAT DPDLTVVMGVNDDQYDSQNI I SNASCTTNCLGPMA

UniRef90_UPI0003B4E512	170 180 190 200 KVF N D A F G I E R G L M T T V H A Y T A D Q N L Q D G P
UniRef90_A0A037Z6P2	KII LDREFGII VEGLMTTVHSYTNDQKII LDAPHRDLRRARA
UniRef90_UPI0003B4D99B UniRef90_UPI00028A22C9	KVL <mark>H</mark> QAFĞI EYĞLMTTV <mark>H</mark> AYTNDQKNLD NPHKDLRRARA KVVNDNFGI <u>V</u> EGLMTTI HATTATQLTVDGPSKKD <u>F</u> RGGRS
UniRef90_UPI000348C503	KVIDESFGIESGMMTTVHAYTNDQKNID NPHKDLRRARA
UniRef90_C5KIN0 UniRef90_UPI0003657852	KI MNDKFĞI VEĞLMSTI HSTTYLQLTVDGPGGKGWRVGR <mark>C</mark> KVLDDEFGI QRG <u>M</u> MTTVHSYTNDQKI LDLPHSDLR RGRA
UniRef90_T1F731	KI I DENF GI VEALMT TVHSYTAT QKVVDGPSNKDWRGGRH
UniRef90_Q6ME40	KIIDENFGIVEALMTTVHSYTATQKVVDGPSNKDWRGGRH KVLLDNFGIDEGLMTTIHAVTASQPTVDGPSKKDWRGGRG
UniRef90_Q0C917 UniRef90_I0R0C5	K
UniRef90_S7KKC5	K V F M D N F G I K N G L M T T I H A Y T A D Q N L Q D G P H Q D L R R A R A A K V L L D R F G I E E G L M T T V H A A T A T Q S V V D G P S K K D W R G G R G K V L D D A F G I E N G L M T T V H A Y T N D Q N N V D N P H K D L R R A R A
UniRef90_UPI00037A0F0B UniRef90_Q8VXQ6	K V L H D N F G I K E G L M N T V H A V T A S Q K C V D A P S P S K W R S G R A
UniRef90_W4VHU2	KVLNDKFGLNHGLMTTIHSYTNDQQTLD LPHKDYRRARA KVLDEEFGIVKGLMTTIHAYTGDQRLHD APHKDLRRARA
UniRef90_X5DS67 UniRef90_H0E675	KVLDEEFGI VKGLMTTI HAYTGDQRLHD APHKDLRRARA KVANDTVGI KHGLMTTI HAYTGDQRLLDAPHSDLRRARAA KVIHDNFGI VEGLMTTVHALTATQKTVDGPSH DGRG
UniRef90_F7HS59 UniRef90_Q3B2T7	KVI <mark>H</mark> DNFG V EGL MTT V HA TATQKT V DGPSH DGRG KVL ED <u>S</u> FG EKG <u>F</u> MTT HAYTNDQN L DL PHKDL RARSA
UniRef90_X1GAK7	KVLNDIFGIEKGVMTTIHSYTADQNLMD LPHKDLRRARA
UniRef90_G7VA28 UniRef90_B4JW09	KVL <mark>HERFĞI KQĞLMTTTH</mark> AYTNDQKTLDA <mark>SH</mark> KK <mark>LH</mark> RGRA KVV <mark>H</mark> DNFKI <u>L</u> EĞLMTTVHA <mark>C</mark> TATQKLLDGPSKKVWRDGRS
UniRef90_B1ZZ29	A IV L IK E G F G IV IE E G IL IM T T IV I <mark>H</mark> A Y T A T Q K T IV ID G P S K K D W K G G R T
UniRef90_UPI00047B1C40 UniRef90_J6JCG8	KVLDDTFGVEKGLMTTI HSYTNDQQLLD KNHKDLRRARA KVLNDALGIEKGFMTTI HSYTNDQPSLD QVHKDLYRARA
UniRef90_D5SR26	KIV LI <mark>H</mark> EN FGII VIK GIL IMTT <mark>C</mark> HAYTNDQRIL IAD QIL IHDNI IHRSRA
UniRef90_UPI00030EF8B6 UniRef90_Q2G6W6	KVLHEEFGI ESGI MTTTTHAYTGGQALVDGP HKDLRRARA KVLHESTGI ERGLMTTI HSYTNDQKLLD QTHSDPRRARA
UniRef90_UPI00016C5283	H V L K E G F G I E E G L M T T I H A Y T A T Q K T V D G Q G K K D W R G G R A
UniRef90_A8MFX8 UniRef90_UPI0003752F95	KLLDENFTIKRGLMTTIHAYTNDQRTLDLPHSDLR RARA KVLQDTFGIEKGLMTTIHAYTQDQNLQDGPHSDLR RARA
UniRef90_D8PCA7	K V L <u>L</u> E N F G I K H G V M T T I H S Y T N D Q Q <u>L</u> L D <u>L</u> P H K D L R R A R A
UniRef90_L0NHR0 UniRef90_A4IRP2	KIV LID E A F GII IE N GIL IM T T IV IH A Y T N D Q K NII ID N P H K DIL IR R A R S C
UniRef90_B0VEY0 UniRef90_UPI0003753573	K V L Q D K F G I L N G L M T T I H S Y T N D Q R I L D L P H N D L R R A R A K V L H D E F G I E Q G L M T T V H A Y T A D Q N L Q D G P H K D L R R A R A
UniRef90_L7VSM8	K V
UniRef90_B8FW51 UniRef90_F8P9T8	KVLLDAFGI EQGMMTTTHSVTNDQRLLD LEHSDWRRSRA KVINDKFGI VEGLMTTVHATTATQKTVDGPSNKDWRGGRA
UniRef90_I4BW45	KIV I I <mark>H</mark> K F F GIV I IR GII IMT T A <mark>H</mark> S Y T N D QIVITII ID F P H K K D P A R G R A
UniRef90_M4S5G0 UniRef90_K1ZQQ3	KVLNDTIGIERGLMTTTHAYTNDQKILD QTHPDLRRARAKVLNDNFKVKRGLMTTIHSYTNDQRILDVGHKDLRRARAG
UniRef90_B9ZYW6	KIV LIS D N F GII IE E GIL IM T T IV IH S Y T A T Q S II V ID G P S R K D W K D G R A
UniRef90_A3KA29 UniRef90_D1C371	KVLNDEFGI VKGFMTTI HSYTGDQPTLD TMHKDLYRARA KVIQDTFGI KRGF <u>M</u> TTVHSYTNDQVTLD APHKDLRRARA
UniRef90_L8JKJ6	K V L N D N F G L E S G F I T T I <mark>H</mark> A Y T S D Q S L Q D G P
UniRef90_U2KR59 UniRef90_UPI0002F3387A	KIILEKFGIVKGLMTTVHAYTGDQNLHD NLHKDYRRARA KVLNDAIGIEKGLMTTIHSYTGDQPTLD TFHKDLYRARA
UniRef90_UPI0003B48A05	K V M N D T V G I E R G F M T T I <mark>H</mark> S Y T N D Q R I L D Q M H S D M R R A R G G
UniRef90_V5FIK7 UniRef90_U4UWH6	KVVHDHFGVVEGLMTTVHSYTATQKTVDGPSAKDWRGGRT KALNDALGIKRGFMTTIHSYTGDQPTLD TMHKDLYRARA
UniRef90_W7Z5G4	KIV LID E T F GII IE S G M M T T IV IH S Y T N D Q K NII ID N P H K DIL IR R A R A
UniRef90_K2EGJ3 UniRef90_B9E793	KIV LIND K F GII K N G L M T T IV H A Y T N D Q K N L D N P H K D L R R A R A
UniRef90_I4B0G0	KVLLENFĞI KKĞLMTTI HSYTNDQQLLD LPHKDLRRARA KVLQETVGI VKGYMTTI HAYTGDQPTLD TMHKDLYRARA
UniRef90_UPI0003706832 UniRef90_F6BUN7	K V L H D A V G I D H G M M T T I H S Y T N D Q P S L D Q M H K D L Y R A R A
UniRef90_Q6WEV2 UniRef90_A0A023NYY4	KIV VIHEKEGIL VIEGILIMT TIVIH A T T A N OIL ITIVID G P S K K D W R A G R G
UniRef90_E2ZEC1	K V L S T E F G I V R G M M T T V H S Y T N D Q H L V D S V H K D L R R A R C
UniRef90_A7HUY8 UniRef90_UPI0003B3D516	QVLHKA <mark>C</mark> GIEQGYMTTIHAYTGDQNTVD TLHKDPRRARA K <u>P</u> LNDKIGVERGLMTTIHSYTNDQVLTD VFHKDLRRARS
UniRef90_Q7NN83	KIV LI <mark>H</mark> ENFKII VIK GT MT TII I <mark>H</mark> S Y T G D Q RIL LID A S H R D W R R A R A
UniRef90_UPI00037CA328 UniRef90_UPI000424A222	KVLHDTIGI KQĞLMTTI HAYTQDQNLQDGPHSDLR RARA KLINDAFGLEEALMLTVHAATSSQNTVDGVARKDWRFGRG KVLHDAFGI KRGLMTTI HAATASQKTVDGTSNKDWRGGRG
UniRef90_Y0KJN0 UniRef90_A6WC56	KVLHDAFGIKRGLMTTIHAATASQKTVDGTSNKDWRGGRG KVLDDAFGIERGLMTTVHAYTADQNLQDGPHKDLRRARA
UniRef90_UPI0002FEFA8F	K V H D K F G K R G M M T T H S Y T N D O R I D F P H F D Y R R A R A
UniRef90_UPI0003B3D7DC UniRef90_C2GHS8	MIV LIENSFGII EYGYMTTII HSYTGDQKILLID TILIHKDILIRRARA KIV LINDTFGILIFRGII MTTIVHAYTGDQRII HDAPHRDII IRRARA
UniRef90_M1NSW2	OVIDEKEGI ERGI MTTVHAYTGDQRI HD APHKDI RRARA
UniRef90_H5SEK6 UniRef90_UPI000344987D	OIVIIHOAEGIIIEHGII MNIIIHAYI NSOAIIIHDOPEKDII RGARAA
UniRef90_K9UDS1	KIV I IH D T F GII IA F GII IMT T IV IH A M T A T QII IT IV ID G P N K K D W R S G R G
UniRef90_Q67ME4 UniRef90_A3ZMY1	K V L H E T F G I R T G L M T T V H A Y T N D Q N M L D N P H R D L R R A R A K I L N D S F G L K N G L M T T L H A Y T N D Q Q V L D L P H A D P Y R A R A
UniRef90_B8FWG9	K V L L E E F G E Q G MMT T T H S V T N D Q R L L D L L E H K D W R R A R A
UniRef90_F4CYG8 UniRef90_W0RK84	KIVVKDAFGEKHGI MIVII I HSYLNDONI LID I I PHKDI I RRARA
UniRef90_E0MPF9	H V L H N K F G I E H G Y M T T I H A Y T G D Q P T L D
UniRef90_Q7UVH8 UniRef90_C4L467	K V
UniRef90_E3J1R1	K V L D E A <u>F</u> G I E R G <u>F</u> M T T I <mark>H</mark> A Y T N D Q <u>V</u> I <u>L</u> D F P H S D L R R A R A
UniRef90_D3F8U8 UniRef90_A7HCN8	K V L <u>L</u> E S <u>F G</u> I K R G L M T T I <mark>H</mark> S Y T N D Q N L L D <u>L</u> P H K D L R R A R A
UniRef90_F0RMU8 UniRef90_B3MD85	KVLDEALGIEKAI MTTVHSYTNDQNILD APHKDLRRARA KVVNDTEGIVEGLMTTVHAATATQKIIDGPSGKLWRDGRS
UniRef90_A6TU34	KVIDGKFGIKKGLMTTIHAYTNDQNLLDLPHEDLR RARA
UniRef90_G3RQE6	KAIIYDNEGI TEGEMTTIVIHAIITATOKTIVIDGPSGKI WHEGCV
UniRef90_F5L954 UniRef90_F2Z641	KAILIDDEFGII IEEAILIMI I II I <mark>H</mark> AII ASQKI IVIDGI SGKDWRGGRS
UniRef90_L7L970	KVLNDSFGIKQGLMTTVHAYTQDQNLQD APHKDLRRARA

UniRef90_UPI0003B4E512 UniRef90_A0A037Z6P2 UniRef90_UPI0003B4D99B UniRef90_UPI00028A22C9 UniRef90_UPI000348C503	A A E S MI C A Q S I I A L V N I I	210 P T S T G A A K A P T T T G A A K A P A S T G A A K A P T S T G A A K A	220 A I G L V L P E A V A L V L P Q A L G L V L P E A V G K V I P E	L VGKLDGF LKGKLNGM LQGKLNGF LKGKLNGF	24S S S S S S S S S S S S S S S S S S S
UniRef90_C5KIN0 UniRef90_UPI0003657852 UniRef90_T1F731 UniRef90_Q6ME40 UniRef90_Q0C917	T E P N I I I I A A M S M I I I A A M N I I I A S Q N I I I A A Q N I I I	PSPTGASWAPSSTGAAKAPSSTGAAKA	A L G K V I P C A V G L V L P Q A V G K V I P S A V A L C L P Q A V G K V I P S	L N G K L T G M L Q G K L F G M L N G K V T G L V K G K L T G M L N G K L T G M	A F R V P T P D V S A V R V P T P N V S A F R V P T P N V S A F R V P N A D V S S M R V P T S N V S
UniRef90_I0R0C5 UniRef90_S7KKC5 UniRef90_UPI00037A0F0B UniRef90_Q8VXQ6 UniRef90_W4VHU2 UniRef90_X5DS67	A Y S N I I A A E N I I A A L N I V	P S S T G A A K A P A S T G A A K A P T T T G A A K A P S T T G A A K A P T S T G A A K A P T S T G A A K A	A	L K G K L D G F L K G K L T G M L K G K L H G L L N G K L T G N L D G K L N G N L K G K L D G Y	ALRVPIPIGS AFRVPVADVS SVRIPTVDVS AVRVPTPDGS ALRVPVPTGS
UniRef90_H0E675 UniRef90_F7H559 UniRef90_Q3B2T7 UniRef90_X1GAK7 UniRef90_G7VA28 UniRef90_B4JW09	A T N L I I A L Q N I I I A A L S L I I A A L S I I I A A L S I I I A A L S I I I A A L S I I I A A L S I I I A A L S I I I A A L S I I I A A L S I I I I A A L S I I I I A A L S I I I I A A L S I I I I I A A L S I I I I I I A A L S I I I I I I I I I I I I I I I I I I	PASTGAAKA PASTGTAKA PTSTGAAKA PTTTGAAQA PTTTGAAQA PASTGAAKA	A V G L V L P E A V G K I I L E A I G E V I P E A I G K V I P D	L N G K L S G F L N G M I T G M L A G K L D G F L K G K L T G M L N G K L D G M	AVRAPVPTGS AFHIPTANVL AVRVPVPDGS AFRVPTPNVS ALRVPTPNVS
UniRef90_B1ZZ29 UniRef90_UPI00047B1C40 UniRef90_J6JCG8 UniRef90_D5SR26 UniRef90_UPI00030EF8B6 UniRef90_U2G6W6	A A Q N I I I A G E S M I I A A L S M I I A A V N I I I A A V N I V	P T T T G A A K A P T S T G A A K A P T S T G A A K A P T S T G A A K A P T S T G A A N A P T S T G A A N A P T S T G A A N	A T A L V L P E A V A K V L P Q A V G L V L P E A V G E V L P E A V G K V L P E	V K G K L T G M L E G K L N G F L K G K L D G V L N G K L T G L L E G K L D G F	S L R V P V P T V S S V R V P T P T V S A I R V P T P N V S S L R V P V P C G S A V R V P V V T G S
UniRef90_UPI00016C5283 UniRef90_A8MFX8 UniRef90_UPI0003752F95 UniRef90_D8PCA7 UniRef90_L0NHR0	A A L N I I I A G E S I I I A A L N L V I A G M S M I	PTSTGAAK, PTSTGAAK, PTSTGAAK, PTSTGAAK, PTSTGAAK, PTSTGAAK,	A V A L V C P E A V A L V L P E A L H L V L P E A L H L V L P E	V K G K L D G M L K G K L D G Y L K G K L D G Y L K G K L D G L L K G K L D G S	S F R V P T P T V S A M R V P T P T T G S A L R V P T P N V S A I R V P T P N V S A I R V P T P N V S
UniRef90_A4IRP2 UniRef90_B0VEY0 UniRef90_UPI0003753573 UniRef90_L7VSM8 UniRef90_B8FW51 UniRef90_F8P9T8	A A M S M I A A L N L V A A L N M I A Y O S M I	PTSTGAAKA PTSTGAAKA PTTTGAAKA PTTTGAAKA PSSTGAAKA	A L GL V L P H A I G L V I P E A I G L V I P E A V T L V I P E A V G K V I P S	L K G K L D G V L N G K L D G Y L N G K L D G Y L A G K M N G L L N G K L T G M	A L R V P T P N V S A I R V P T P D G S A L R V P V P T P T G S A M R V P T P T G S A V R V P T P N V S S F R V P T L D V S
UniRef90_I4BW45 UniRef90_M4S5G0 UniRef90_K1ZQQ3 UniRef90_B9ZYW6 UniRef90_A3KA29 UniRef90_D1C371	A A M S II I A M S M I A A L N I I A A L S M I A A L N I V	PTSTGAAKA PTTTTGAARA PTTTTGAAKA PTSTGAAKA PTSTGAAKA PTTTTGAARA	A	L K GL L N GI L K G K L D G S L K G K L D G F L E G K L T G M L N G K L D G V L K G K F D G F	A L R V P T P D V S A V R V P T P D V S A V R V P T P N V S A F R V P T P N V S A L R V P T P T V S
UniRef90_L8JKJ6 UniRef90_U2KR59 UniRef90_UPI0002F3387A UniRef90_UPI0003B48A05 UniRef90_V5FIK7 UniRef90_U4UWH6	A A I N I V	PTTTGAAKA PTTTTGAAKA PTSTGAAKA PTTTGAARA PSSTGAAKA PTSTGAAKA	A V G L V L P E A V S L V L P E A V G L V L P E A V G L V L P E A V T K V I P S A V G L V L P E	L K G K L D G N V K G K L N G Y L N G K L D G Y L N G K L D G S L H G K L D G W	A V R V P T P T G S A I R V P V P T P N V S A I R V P T P N V S S V R V P T P N V S A F R V P T P N V S A I R V P T P N V S
UniRef90_W7Z5G4 UniRef90_K2EGJ3 UniRef90_B9E793 UniRef90_UPI0003706832 UniRef90_UPI0003706832 UniRef90_F6BUN7	C G Q S [1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	PTSTGAATA PASTGAAKA PTSTGAAKA PTSTGAAKA	A	L E G K L T G M L K G K L D G T L K G K L D G I L K G K L D G I	A L R V P T P N V S A V R V P T P N V S A L R V P T T N V S S I R V P T P D V S S I R V P T P N V S
UniRef90_Q6WEV2 UniRef90_A0A023NYY4 UniRef90_E2ZEC1 UniRef90_A7HUY8 UniRef90_UPI0003B3D516 UniRef90_Q7NN83	A S A N I I A T M S Q I A T Q S I I A G V S M I A T Q N M I A A I S I V	PASTGAAKAPTSTGAAAAAPTSTGAAAKA	A V G L V L P E A V G L V L P E A V G L V L P E A V G L V L P E A V G L V L P E A V G L V L P E	LNGKLTGM LNGKLDGF LKGKFTGM LQGKLDGT	A F R V P V P D V S A M R V P T I N V S A L R V P T P N V S S I R V P T P N V S A V P T V N V S
UniRef90_UPI00037CA328 UniRef90_UPI000424A222 UniRef90_VOKJN0 UniRef90_VOKJN0 UniRef90_UPI0002FEFA8F UniRef90_UPI0003B3D7DC	AALNIV VFNNII VFENII AALNIV AAESMI	PTGTGAAKA PATTGAAAKA PTSTGAAKA PTSTGAAKA	A G V P E A V G K V P Q Q A I G V P	L K G K L D G F L N G R I N G M L N K K L T G M L K G K L D G Y L K G K L D G M	ALRVPIPTGS AVRVPVADVS AMRVPTADVS ALRVPVPTGS AVRVPTPNVS
UniRef90_C2GHS8 UniRef90_M1NSW2 UniRef90_H5SEK6 UniRef90_UPI000344987D UniRef90_K9UDS1	A A Q N I V A A V N V V A C M S Q I A L S I V A A Q N I I	PTSTGAAKA PTSTGAAKA PTTTTGAATA PYSSGAAKA	M	L K G K L D G Y L K G K L D G Y L K G K I D G M L D G R L T G Y L K G K L T G M	ALRVPVITGS ALRVPVITGS ALRVPVPVVS SLRVPVPVVS AFRVGTADVS
UniRef90_Q67ME4 UniRef90_A3ZMY1 UniRef90_B8FWG9 UniRef90_F4CYG8 UniRef90_W0RK84 UniRef90_E0MPF9	A A L N L I A Y E S M I A A L N I V A A M S L I A A M S M I	PTSTGAAKA PTTTGAAKA PTSTGAAKA PTSTGAAKA	A V G L V L P A A V S L V L P E A V G L V L P E A V G L V L P E A V G L V L P E	L K G K L D G L L K G K L D G L L K G K L D G S	ALRVPTPNVS ALRVPTPNVS ALRVPTPNVS ALRVPTPNVS
UniRef90_Q7UVH8 UniRef90_C4L467 UniRef90_E3J1R1 UniRef90_D3F8U8 UniRef90_A7HCN8 UniRef90_F0RMU8	A A Q N I I I C G S S I I I A A Q N I I I I A A I N L I I A A L S M I A A V N I V	PTSTGAAKA PTSTGAAKA PASTGAAKA PSTTGAAKA PTSTGAAKA	A	L Q G K L T G L L Q G K L N G M L K G K L D G F L N G K L N G F L K G K L H G T	A M K
UniRef90_B3MD85 UniRef90_AGTU34 UniRef90_G3RQE6 UniRef90_F5L954 UniRef90_F2Z641 UniRef90_L7L970	G M M N	PASTGAAKA PTTTGAAEA PASTGAAKA PSSTGAAKA PTSTGAAKA	A V G K V I P E A V A L V L P Q A V G K V I P E A V G K V L P N A V G K I L P E A I G E V L P E	L N G K L T G M	C

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UniRef90_UPI0003B4D99B UniRef90_UPI00028A22C9 UniRef90_UPI000348C503 UniRef90_C5KIN0	V S V D Y R G D E R S S I V D G L S T M V M G K R L V K V V A W Y D N E W G Y S V S S D F N G N E H S S I V D A L S T M V I G E R Q V K V L A W Y D N E W G Y S V S Q D F V S D P H T C I I D S K A G I A L N D T F F K L V A W Y D N E Y G Y S V S D D F N G N E N S S I V D G L S T M V M G T R Q I K V L A W Y D N E W G Y S V S T D M I H D K R S S I F D V K A G I A L D D H F V K L V S W N D N E W G Y S V S R D F N G C A A S S T Y D A S F T T V I D G H M V K V L A W Y D N E W G Y S V S R D F N G C A A S S T Y D A S F T T V I D G H M V K V L A W Y D N E W G Y S
UniRef90_UPI0003657852 UniRef90_T1F731 UniRef90_Q6ME40 UniRef90_Q0C917	V S S D F I I I I F S S V F D A K A G L G L N R I F F K I V A WY D N E Y G Y S V S S D F I S S P Y S A I F D K D A G I T L N S K F F K I V A WY D N E W G Y S
UniRef90_I0R0C5 UniRef90_S7KKC5 UniRef90_UPI00037A0F0B	VSSDFLGCEYSSIFDAGAGLALTDRFFKLVAWYDNEUGYS VSSDFLGCEYSSIFDAGAGLALTDRFFKLVAWYDNEUGYA VSVDFYTNPHSAVLDGSLTMVIGGNKVKVLAWYDNEWGYS
UniRef90_Q8VXQ6 UniRef90_W4VHU2 UniRef90_X5DS67 UniRef90_H0E675	V S S D F G D S H S S F D A T A G Q L S P T F V K L I T WY D N E MG Y S V S K D Y G N S H S S D G L S T M V ME G N M V K V V S WY D N E G Y S V S T D V G D S H S S F D S G L T K V I G N Q V K V V S WY D N E WG Y S V S S D V G N P H S S V D A Q L T A V I D G T L V K I V S WY D N E WG Y S I S S N F D S D T H S S T F D A G A G L A L N N H F V K L I S WY D D E F G Y S
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UniRef90_B4JW09 UniRef90_B1ZZ29 UniRef90_UPI00047B1C40	V S T D F N G A R Y A S I F D A K A C I A L N D N F V K L I A WY D N E T G Y S V S S D F I H D K R S S I F D A G A G I E L N S K F F K L V S WY D N E W G Y S V S I D Y K Q D S R S S I I D G L S T M V L E N N M V K V V S WY D N E W G Y S
UniRef90_J6JCG8 UniRef90_D5SR26 UniRef90_UPI00030EF8B6 UniRef90_Q2G6W6	VIS DI VME DRS SI F DA QLT R KV G DQ I KV VS WY DNE WGY S VS D F N H D P H S S T D D S F T A V L F G K V V IS WY DN F WG F S
UniRef90_UPI00016C5283 UniRef90_A8MFX8 UniRef90_UPI0003752F95 UniRef90_D8PCA7	VISIT DIFIT HID PASSIVE DAKAGE GLOSNINSNIFIKU VISWYDNE WGYS VISIT DYKQDPHSSI VDGLSTMT MEGNMIKU VIAWYDNE WGYS VISADEVIT DPAS <mark>C</mark> LEDSGETK VIGNOVKU VIGWYDNE WGYS
UniRef90_L0NHR0 UniRef90_A4IRP2 UniRef90_B0VEY0 UniRef90_UP10003753573	V S I D F N H D A H S S N F A A D Q T K V L E G N L V R II L T W Y D N E W G F S V S I D F N T N P H S A I I D G L S T M V I D G R K V K V L A W Y D N E W G Y S V S I D L V G N S F S S I F D A I L T Y T K G K M V K V F S W Y D N F Y G Y S
UniRef90_L7VSM8 UniRef90_B8FW51 UniRef90_F8P9T8	V S S D I V T D P A S C I Y D A P L T K V I G N Q V K V V G W Y D N E W G Y S V S T D I V T D P A S C I F D A S L T N S M G S L A K V L G W Y D N E W G Y S V S R D F N G N S A S S I V D G L S T M I I G E R M V K V L A W Y D N E W G Y S V S T D F L G H S A S S I F D A T A G I Q L N K N F V K L I S W Y D N E W G Y S V S A D F L G D P H S A L F M P N E T M V I D T M V K V F A W Y D N E W G Y S
UniRef90_I4BW45 UniRef90_M4S5G0 UniRef90_K1ZQQ3 UniRef90_B9ZYW6	VSI DFQHIAASSIVDSLEIAVLDGKLVRVVSWYDNEWGFS VSLDYNGNPLSS <mark>CV</mark> DSL <u>C</u> TTVMDGNL <u>V</u> KVLSWYDNETGFS VSSDFIGNTCSSIYDSSSSIMINGTFGKFIISWYDNECGFS
UniRef90_A3KA29 UniRef90_D1C371 UniRef90_L8JKJ6 UniRef90_U2KR59	VSTDFRGDSHSAI VDGLSTMVMEGIMAKVVAWYDNEWGYS
UniRef90_UPI0002F3387A UniRef90_UPI0003B48A05 UniRef90_V5FIK7 UniRef90_U4UWH6	V S I D Y Q G D I R S S I I D A E Q T M V V G N M A K V V S WY D N E W G Y S V S I D F N H C P A S S T F H L D Q T K V M D G N L V S I L S WY D N E W G F S V S S D F N H Q P A S S T V D S L E T A V L E G K L A R V V S WY D N E W G F S V S S D L N G D T N S S I F D A K A G I L L N D H F V K L V A WY D N E W G Y S V S M D F N H D P H S S V F A S E Q T K V M D G N M V R I L T WY D N E W G F S V S I D F N G E E Q S A V I D G Q S T A V L N N R Q L K V L A WY D N E W G Y S
UniRef90_W7Z5G4 UniRef90_K2EGJ3 UniRef90_B9E793	VISINDENTINPASSI FOMIETHIV VIDDIFCRI LISWYDNEWGES VISINDENT NPHSSI VIDGLSTLVMEGSKVKVLSWYDNEWGYS
UniRef90_I4B0G0 UniRef90_UPI0003706832 UniRef90_F6BUN7 UniRef90_Q6WEV2	V S D F N
UniRef90_A0A023NYY4 UniRef90_E2ZEC1 UniRef90_A7HUY8 UniRef90_UPI0003B3D516	VSI DFNHNPASSIYDAIQIRVMEGILVKVLSWYDNEWGFS VSSDYISDTHSSIVDGLDTQVVDGNMIKVVAWYDNEWGYS
UniRef90_Q7NN83 UniRef90_UPI00037CA328 UniRef90_UPI000424A222 UniRef90_Y0KJN0	V S M D F N H N A H S S I V E S T L T K V I D G T L V K V L A WY D N E W G F S V S I D Y R I T D V S S I V D A Q L T M V L K D N L V K V I S WY D N E W G Y S V S S D I V T D P A S C I F D A G L T K V I G D Q V K V V G WY D N E W G Y S V S S D L R G N P H S S I F D V K A G M Q T S E G L T K L I A WY D N E W G Y A V S T D F R G A P A A S I F D A D A G I M L D P T F V K I V S WY D N E Y G Y T V S S D V V T D P S S C I Y D S G L T K V I G N Q V K V V G WY D N E W G Y S
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UniRef90_K9UDS1 UniRef90_Q67ME4 UniRef90_A3ZMY1 UniRef90_B8FWG9	VS A D F G D P H S A I VD G T L T MV G P D N L A K V I A WY D N E WG Y S VS A D F G D P H S S I F A A P O T E I V I D G S I VIK I V S WY D N E A G Y S
UniRef90_F4CYG8 UniRef90_W0RK84 UniRef90_E0MPF9 UniRef90_Q7UVH8	V S H D F N G N P H S A I VD G L S T L M L G E R M V K I V L A WY D N E W G Y S V S S D I V T D P H S T I Y D A G L T K V I G N Q V K I V V G WY D N E W G Y S V S S D Y I G N P H S C I L D S L S T N V I D G T M L K V S G WY D N E W G Y S V S D D F N H D P H S S N F A S A Q T K V V G G N M A R I L T WY D N E W G F S V S S D I V H D P H S S I F A A D F T Q V L K G K M A K V V S WY D N E W G Y S V S D F N G D D R S S I I D M D S T M V L G G N H V K V L A WY D N E W G Y S
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UniRef90_I0R0C5	NRL VELTALVASK
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UniRef90_W4VHU2	T R C V D L A V F F
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UniRef90_F6BUN7 UniRef90_Q6WEV2	N R M S D T A V A L S K
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UniRef90_E2ZEC1	L R V N D L A A Y I G S K
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UniRef90_UPI000424A222 UniRef90_Y0KJN0	S R C L D L A A H M L R K Q S N L I R L V Q H I S K
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UniRef90_B3MD85	A KIL TIDIL VI
UniRef90_A6TU34 UniRef90_G3RQE6	ARTVDLVSYVVAK NMVVDLMAHMASKE
UniRef90_F5L954	CRVVDL <u>VK</u> YIG
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UniRef90_L7L970	N R L A D L I T L V S K

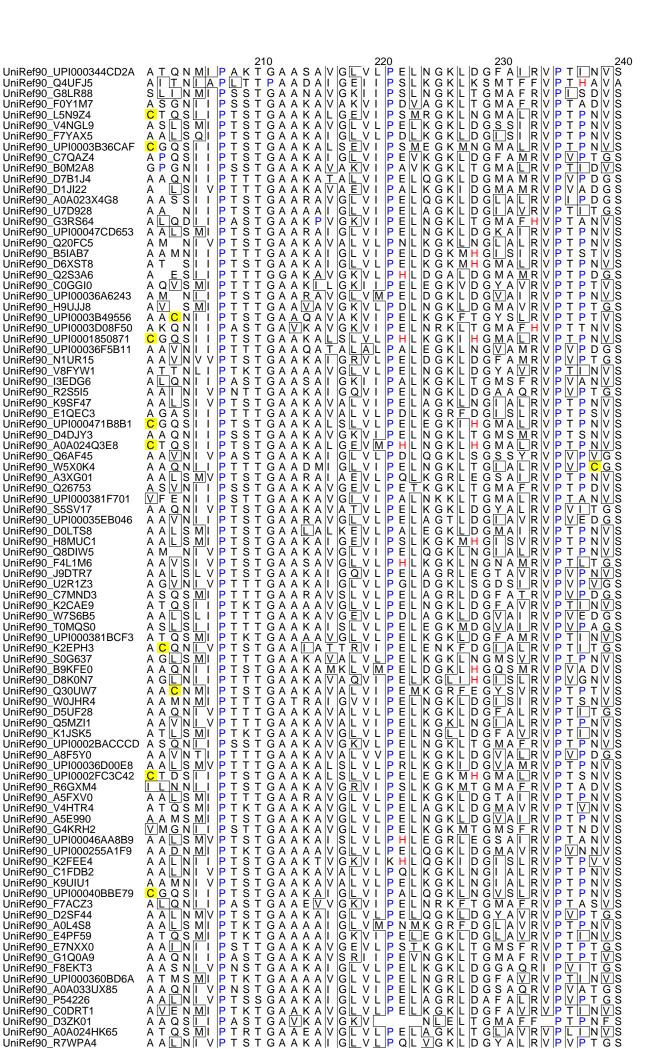
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JARGES GELRES VI A VI L K V D S VI G S F K G NI NI SI E N N N L L N E K I T N K K I T		
JARREND GALPES YIK Y D LI K Y D TI Q G K L P Y E L E T D N N L L I N G Q T V R T S S F R E R E MARKED GALPES YIK Y D L K Y D T Q G K L P Y E L E T D N N L L I N G Q T V R T S S F R E R E G S D Q M S T S S D C R T S S T S S S S D D M S T S S D S S S D D M S T S S D S S S D D M S T S S D S S S D D M S T S S D S S D S S D S D S S D S S D S D	UniRef90 UPI000344CD2A	50 60 70 80 T N A HILIT O Y D T T H R O F P G T V F V V N G D R IL R V A O R D
June 200 J. Shagad. I T. J. A. H. M. K. Y. D. S. V. H. G. R. F. G. S. Y. T. Y. D. G. S. T. R. Y. D. S. V. H. G. R. F. G. S. T. Y. D. G. S. T. R. Y. D. S. V. H. G. R. F. P. P. L. D. Y. S. G. G. D. H. T. Y. G. S. T. R. Y. T. A. I. R. D. June 200 J. P. G. S. P. P. P. L. D. Y. S. Y. H. G. R. F. P. P. L. D. Y. S. Y. H. G. R. F. G. D. G. D. H. T. Y. G. G. R. T. F. K. Y. T. A. I. R. D. June 200 J. P. G. G. D. H. T. Y. G. S. R. T. R. Y. T. A. I. R. D. June 200 J. P. G. G. D. H. T. Y. G. G. G. G. D. H. T. Y. G. G. G. G. G. T. H. S. J. Y. G.	UniRef90_Q4UFJ5	Y K Y K Y D T Q G K P Y F F T D N N N G Q T V R S F F R F
June 200 J. Shagad. I T. J. A. H. M. K. Y. D. S. Y. H. G. R. F. E. G. K. Y. Y. D. G. K. D. H. G. S. T. F. K. Y. T. A. H. M. K. Y. D. S. Y. H. G. R. F. E. G. K. Y. Y. D. G. K. D. T. K. Y. T. A. H. M. K. Y. D. S. Y. H. G. R. F. P. P. L. D. Y. K. S. G. G. D. M. T. Y. G. K. R. T. F. K. Y. T. A. H. M. K. Y. D. S. Y. H. G. R. F. P. P. L. D. Y. K. S. G. G. D. M. T. Y. G. K. R. T. F. K. Y. T. A. H. M. K. Y. D. S. Y. H. G. R. F. P. P. L. D. Y. K. S. G. G. D. M. T. Y. G. K. R. T. F. K. Y. T. A. H. M. K. Y. D. S. Y. H. G. R. F. D. G. D. L. T. Y. G. G. D. D. L. T. Y. G. K. R. T. F. K. Y. T. A. H. M. K. Y. D. S. Y. H. G. R. F. G. D. D. D. L. L. Y. D. G. K. R. T. K. Y. T. A. H. M. K. Y. D. S. Y. H. G. R. F. G. D. D. D. L. L. Y. D. G. K. R. T. K. Y. T. A. H. M. K. Y. D. S. Y. H. G. R. F. G. D. G. D. L. E. V. G. G. D. D. L. L. Y. D. G. K. R. T. K. Y. T. A. H. M. K. Y. D. S. Y. H. G. R. F. G. D. G. D. D. L. L. Y. D. G. G. K. T. K. Y. D. S. Y. H. G. R. F. G. D. G. D. D. L. L. Y. D. G. G. K. T. K. Y. D. S. Y. H. G. R. F. G. G. Y. G. Y. D. D. D. L. L. Y. D. G. G. K. H. K. Y. D. S. Y. H. G. R. F. G. G. Y. G. Y. D. D. D. L. L. Y. D. G. G. K. H. K. Y. D. S. Y. H. G. R. F. G. G. Y. G. Y. D. D. D. L. L. Y. D. G. G. K. H. K. Y. D. S. Y. H. G. R. F. G. G. Y. G. Y. D. D. D. L. L. Y. D. G. G. R. H. K. Y. D. S. Y. H. G. R. G. F. G. G. Y. S. Y. D. D. D. L. L. Y. D. G. G. R. K. T. G. R. G. Y. G. Y. D. G. G. R. Y. D. G. G. R. Y. G. Y. G. G. G. Y. G. Y. D. G. G. R. T. G. G. Y. G. G. G. Y. G. Y. D. G. G. R. G. G. Y. G. Y. D. G. G. G. G. Y. G. G. G. G. G. Y. G. G. G. G. G. Y. G.	UniRef90_G8LR88	YLAYILKYDSVHGPFKGNIRLENNNLILNEKRIKUTNEKN
Julinel900 Description Till A HILL IK Y D S WI H G OF Y D D D WI R T E G ON L I V N D G Q E R P WI S K X D D Julinel900 COGGGIO Julinel900 COGGGIO TILL A HILL IK Y D S WI H G OF Y D D D WI N WI N D D N L INVIN IN G R D I R WI S A K A D Julinel900 COGGGIO TILL A HILL IK Y D S WI H G OF Y D D WI N WI N D N N I INVIN IN G R D I R WI S A K A D JULINEL R S WI S WI S G D WI S WI K G D N L INVIN IN G R D I R WI S A K A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D WI R WI S		TIJA H MIJK Y D SIV H G R F F G K I Q A A F G N I V V D G K V J R I CS T R D
Julinel900 Description Till A HILL IK Y D S WI H G OF Y D D D WI R T E G ON L I V N D G Q E R P WI S K X D D Julinel900 COGGGIO Julinel900 COGGGIO TILL A HILL IK Y D S WI H G OF Y D D D WI N WI N D D N L INVIN IN G R D I R WI S A K A D Julinel900 COGGGIO TILL A HILL IK Y D S WI H G OF Y D D WI N WI N D N N I INVIN IN G R D I R WI S A K A D JULINEL R S WI S WI S G D WI S WI K G D N L INVIN IN G R D I R WI S A K A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D WI R WI S	UniRef90_V4NGL9	TNAHELRYDSVHGRFPGTVTVDGDSITLTLTKDPLKVTAFKN
Julinel900 Description Till A HILL IK Y D S WI H G OF Y D D D WI R T E G ON L I V N D G Q E R P WI S K X D D Julinel900 COGGGIO Julinel900 COGGGIO TILL A HILL IK Y D S WI H G OF Y D D D WI N WI N D D N L INVIN IN G R D I R WI S A K A D Julinel900 COGGGIO TILL A HILL IK Y D S WI H G OF Y D D WI N WI N D N N I INVIN IN G R D I R WI S A K A D JULINEL R S WI S WI S G D WI S WI K G D N L INVIN IN G R D I R WI S A K A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D I R WI S A D WI S WI K G D N L INVIN IN G R D WI R WI S	UniRef90_F7YAX5	TNAHLLRYDSVHGRFPHEVSFSGDQLTVGKETFKVTALRD
Julikaelgo Descars Julikaelgo Cogogio Julikaelgo C		ILIAHEUKYDSILIGREDGTIJESAEGEILIVNGKTIJKVISERD
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Julikaelgo Descars Julikaelgo Cogogio Julikaelgo C	UniRef90_D7B1J4	TILIA HIL LIKYD TVLIG TILE G DVEVG D D FII RVG D K TII KVLA Q R D
Julikaelgo Descars Julikaelgo Cogogio Julikaelgo C		SILAL LIKTUSUME NEKGEIVIGYDDDHILI VINGNKII IAUYSMKD SILAL LIFKRDSTHGII WPEDIVISYENNIVI IRII IGDREII IKTESERD
Julikaelgo Descars Julikaelgo Cogogio Julikaelgo C	UniRef90_U7D928	TLAHLLKYDTAQGSYEGTVEVKDGAIVVDGKEIKILCEKD
Junkergo Description T	UniRef90_G3RS64	Y MVY MFLLY D S T H G K F H G T V K A E N G T L V I N G N P I T F Q D Q D
Junkergo Description T		I S A HI I K Y D S I I G R F D A DIVIK Y D D G A I SIVIN G K T I K V V S T R D
Johnson Hausung Hausun	UniRef90_B5IAB7	TLAHLLKYDTNYGKFDGEVEYTEKSLTINGREIPVESERD
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Johrenges U. Delinouges Best 1		III IA HII I IK Y D S I Q G K E E G E IVIS Y D D I NII I VID G K K Y K IVI <mark>C</mark> S E R N
Johrenges U. Delinouges Best 1	UniRef90_UPI0003D49330	Y MVY ML Q Y D S T H G K F N G T V K A E N A K L V I N R K P I T I F Q D Q D
JAIRGERO VERYWI JAIRGERO SEBOGE MILA D L L K Y D S T M G T L K Y D I S L W N G D R I R L F S T K D D JAIRGERO RESSIS MILA D L L K Y D S T M G F F R G T W S M G D R I R W N G D R I R V K V L A N R N A L L K Y D S M G F F R G T W G R G R F W K V L A N R N A L L K Y D S M G F F R G T W G R G R F W K V L A N R N A R N JAIRGERO WEST AND A L L K Y D S M G F F R G T W G R G R F W K V L A N R N A R N JAIRGERO WEST AND A L L K Y D S M G F F R G T W G R G R F W K Y L A N R N A R N JAIRGERO WEST AND A L L K Y D S M G F F R G T W G R G R F W K Y L A R R N A R N A L L K Y D S W G F R F R G T W G R G R F W G T W G K R W K W L A R R N A R N A L L K Y D S W G G R F W G T W G K R W W K W L A R R N A L K W D S M G G F F R G G W S A A G S R W W G G R R W K W L A R R N A D W S W G G R W W G R R W K W L A R R N A R W A W A L L K Y D S W G G R F W G T W K L D G G F W K A L L E R D D W G G R W W G K R W W K W K G G R D W G G F R W G T W W L D G G F W K A L L E R D D W G G F R W G T W W L D G G F W G F W K W K W K G G P D W L L R F D G W G W G W M W R W M A W M L K Y D S O W G G F R W G T W W L D G W G W M W R W M A W M A G R W M A W M A W M A W M A W M A W M A W M A W M A W M A W M A W M A W M A W M A W M A W M A W	UniRef90_UPI0001850871	TILIA HILLIKYDTT H GTEEGTIVIDIVIKEDAILI VIDGKEILLI LINDRN
JAIRGERO VERYWI JAIRGERO SEBOGE MILA D L L K Y D S T M G T L K Y D I S L W N G D R I R L F S T K D D JAIRGERO RESSIS MILA D L L K Y D S T M G F F R G T W S M G D R I R W N G D R I R V K V L A N R N A L L K Y D S M G F F R G T W G R G R F W K V L A N R N A L L K Y D S M G F F R G T W G R G R F W K V L A N R N A R N JAIRGERO WEST AND A L L K Y D S M G F F R G T W G R G R F W K V L A N R N A R N JAIRGERO WEST AND A L L K Y D S M G F F R G T W G R G R F W K Y L A N R N A R N JAIRGERO WEST AND A L L K Y D S M G F F R G T W G R G R F W K Y L A R R N A R N A L L K Y D S W G F R F R G T W G R G R F W G T W G K R W K W L A R R N A R N A L L K Y D S W G G R F W G T W G K R W W K W L A R R N A L K W D S M G G F F R G G W S A A G S R W W G G R R W K W L A R R N A D W S W G G R W W G R R W K W L A R R N A R W A W A L L K Y D S W G G R F W G T W K L D G G F W K A L L E R D D W G G R W W G K R W W K W K G G R D W G G F R W G T W W L D G G F W K A L L E R D D W G G F R W G T W W L D G G F W G F W K W K W K G G P D W L L R F D G W G W G W M W R W M A W M L K Y D S O W G G F R W G T W W L D G W G W M W R W M A W M A G R W M A W M A W M A W M A W M A W M A W M A W M A W M A W M A W M A W M A W M A W M A W M A W		TILIA HILLIKY DSIVIT GRITTA A DIVITIVIO DGNILLI VINGTEIVIKA FAERD
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Juikef90	UniRef90_U2R1Z3	ALAQL LRFDSSLGRLGRTVEVDGSTLVVDGQRIEVLAERD
JAIRE990_K2EPH3 JAIRE990_K2EPH3 JAIRE990_K2EPH3 JAIRE990_BSK6N7 TA H L L Q F D S V H G Q L G K P V L A L E D S I E V D G R Q V K V T G F K D J J G E P M V D G K R Q V K V T G F K D J G R G Q D G D G G D G G G G Q V I K N Y A E R D J G R G Q D G G G G G G G G G G G G G G G G G		TNAHLTRYDTTHGKFPGEVSVSGSDLIVNGDKIRVVAERD
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JAIRE690_K2EPH3		TLIAHLLIKYDSII HGKLISDEII KVIEDSKII I VINGKPILIEVLIKQKE
JniRef90_S0G637	UniRef90 K2EPH3	
Juniker Juni	UniRef90_S0G637	TTAHLLQFDSVHGQLGKPV ALEDSI EVDGRQVKVTGFKD
Juniker Juni		TNAHILIKYDSSHGIIYNGNIVISADODSI HIVDGTRI RAFSFKD
Juniker Juni	UniRef90_Q30UW7	TNAHLLSHDTNYRGFAPEVSVDGDLMRVGGDVIKNYAERD
Juniker Juni	UniRef90_W0JHR4	I IL IA HIL LIKYDT NHGILIF QKTIVISYDDENII I VIDGKKII KILIFAKKD
Juniker Juni	UniRef90_Q5MZI1	TÄÄHLLEYDSVLGRFNÄDISYDENSI TVNGKTMKI VCDRN
JniRef90_F7ACZ3 Y M Y D S T H G K F H G T K A D N G K L V I N E N S L I I F Q E R D JniRef90_D2SF44 V L A H L L K Y D S I L G V L S E D V A A D G E G I K I A G K T M K V L S E R D JniRef90_A0L4S8 S L A H L L K Y D S V M G V L N A E V S A T E K G V S V D G K E I T V F E E R D JniRef90_E4PF59 T N A H L L K Y D S V H G R F E A D V S H D S E S L T V N G D R I A I T A L R N	UniRef90_K1JSK5	LIHAHLLKHDSCHGRFNADVQVETDTLTVNGDRIRVFATRD
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JNIKETYU_D3ZKU1 Y MV Y V S Q Y A S I H G K F N G I V K A E N G K L V I N G K P I T I F Q JNIRETYU_D3ZKU1 Y MV Y V S Q Y A S I H G K F N G I V K A E N G K L V I N G K P I T I F Q I N A H L L Q Y D S V H G R F P G Q V E H D D N S L T V N G D R I A V S A L R D JNIRETYU D3ZKU1 Y MV Y V S Q Y A S I H G K F N G I V K A E N G K L V I N G K P I T I F Q I N A H L L Q Y D S V H G R F P G Q V E H D D N S L T V N G D R I A V S A L R D JNIRETYU D3ZKU1	UniRef90_C0DRT1	UNAHLTKFDTVHGRFAAEVSHDETHLTVNGDKI RFLSQRD
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UniRef90_ UniRef90	C7MND3	PAHL	PWRE	L GVDI	VIE	A T C	<u> </u>) G N	T A R T	ГΗП	DAG	A K K	VLI
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UniRef90_ UniRef90_	D8K0N7	VADL PAKI	D F A K	Y G A Q I	V L E	STO	RFT	D R D	KAAN	NHL	NGG	AGR	V I IM
UniRef90_ UniRef90_	W0JHR4	P R A I P A E L	P WG A		/ V L E	SIC		KE	K A A I L A Q I	M H L K H L	QAG	A K K	V V I V L L
UniRef90_ UniRef90_		P A D L P L N L	P WGE	L G A D I W D I D L	V I E V <u>I </u> E	STO	6 F F T C 6 V F V T	O A T	KAK/ GAS <u>I</u>	А Н I <u>С</u> Н I	D A G	S A K K S A K K	V I I V <mark>P</mark> I
UniRef90_ UniRef90_	K1JSK5 UPI0002BACCCD	PKEI	P WGE K WDE	L N V D \ V G V D \	/ V M E	C T C	SAFNS SLFLT	S K E D E	KSM <u>N</u> TARI	/ H I 	E Q G T A G	A K K A K K	V L L V V M
UniRef90_ UniRef90	A8F5Y0 UPI00036D00E8	P S K L P A N L	K WD E P WK D P WA E P WG T P WS E	L G V D I E K I D I	V I E V L E	STO	GLFRD GFFTD	OKE	K A S L S A G I	_	HAG	A K K A K K	V I I V L I
UniRef90_ UniRef90	UPI0002FC3C42 R6GXM4	P K L L	P WAE P WGT P WS E	LNDD CGAEN		ATO	G K F N F G A N N T	HGD	KAVS	SHL RHF	DAG	A K K	V I L
UniRef90_ UniRef90	A5FXV0 V4HTR4	PAKV	P MK A	QGVDN	/ A M E	CTC	EFTK	(RD	AAAI	ζĽΪ 〈ΗΙ	EAG	ARK	V L V
UniRef90_ UniRef90	A5E990 G4KRH2	PKTL	P WKA D EEED DED DE P W W A GK K G G G K K G G G K K G W G G G K K G W G G G K K G W G G G K K G W G G G K K G W G G G K K G G G K K G G G K K G G G K K G G G K K G G G K K G G G K K G G G K K G G G K G G G K G	D V D	ÄLE	CTC	FTA	RE	KASI	JH F	E N G	SKR	V L V
UniRef90_	UPI00046AA8B9	PEEL	EWS		ÄLE	Č †	RFNS	S R D	Ķ Š Š	ÄHĘ	E N G	SNR	V L C
UniRef90_	UPI000255A1F9 K2FEE4	PASL	PWGE		V L E	Š Į		KE	KAQ	A H I	DAG	AKA	V L I
UniRef90_ UniRef90_	K9UIU1	B D N F	PWKE	MEI DI	VIE VIE	ST	V F L L	S H A	GASI	\ Н I 2 Н I	NAG	AKK	V V I
UniRef90_	UPI00040BBE79 F7ACZ3	P S E L P S K I	P WGE K WGN	L D I D N A G A E Y	/ V V E	A T C	K F R T	K E M E	I A G \\ K A G \	/	L Q C Q R C	3 A R K 3 A K <u>R</u>	V I I
UniRef90_ UniRef90_	D2SF44 A0L4S8	P A N L P A K L	P WG D P WG E	L G V D \ L G V D \	/ V V E / V <u>V</u> E	STO	SFFTK SLFRK	(A D (R E	DARI TAG	ΚΗ <u>Α</u> ΑΗL	G G A	RK <u>V</u> SAKR	V I <u> S</u> V I I
UniRef90_ UniRef90_	E4PF59 E7NXX0	P E E L P E Q L	P WK D	HRVDV LGVDV	/ V	CTC	SIL FTK	(R D A N E	KAAA	A H L G H I	K A C	A R K A K K	V I I V I I
UniRef90_ UniRef90		PTNI	PWGA	A G A E N		STO	SVFTT SFFTT	TE	KAGA	A H L A H I	KGC	BAKR	V I I V V I
UniRef90_	UPI000360BD6A A0A033UX85	PAEL	P WG E	L G V D (/ V L E	CTC	AFTS	SKA	KAK	ZHL AHL	DAG	ARK	V L I
UniRef90_	P54226	PGAL	P WG D	L G V D I	VILE	STO) A A	KARS	, HV	D G G	AKK	V I I
UniRef90_ UniRef90_	D3ZK01	P S Q L	K WCD	A G A E Y	ŽV V Ģ	STO			KAGA	AHL	KGG	TKR	V I K
	A0A024HK65 R7WPA4	P A Q L P A A L	P WK G		V L E	STO	9	O A T	K A K (A H L G H L	DAG	A K K A K K	V I V

	400
UniRef90_UPI000344CD2A	130 140 150 160 SAPKDVDATIVYGVNHQTLKKEHTVISNAS <mark>C</mark> TTN <mark>C</mark> LVPLV
UniRef90_Q4UFJ5	SAILITT DT PILIYIVIY GILIN H T S Y N K SIVIRIVIM S N A S C T T N CILIA PIV VI
UniRef90_G8LR88 UniRef90_F0Y1M7	SAPPODIPMY I MGVNHDTINSNQDI I SNASCTTNCLAPIV SAPAKDDSPTVVMGVNEETYDSMKAVSCASCTTNGLAPMV
UniRef90 L5N9Z4	TAPGKDATIL VIMGIVINEDSYIVIPEQHHIVLISNASCTTNICILIAPIVVI
UniRef90_V4NGL9	S A P A D A D K <u>T V Y G V N H</u> D S <u> L T </u> K D D T V S N A S <mark>C</mark> T T N <mark>C </mark> L A P V A
UniRef90_F7YAX5 UniRef90_UPI0003B36CAF	S A P A E G A D L T V V F G L N H D K L T K D H
UniRef90_OF10003B36CAF	T A P G K D T T I V M G V N E E D Y D P E R H H V I S N A S C T T N C L A P V V S A P A D D V T I V M G V N Q D K Y D A A N H N V I S N A S C T T N C L A P L V
UniRef90_B0M2A8	SAPAKDDHTII VMGVNEETYKPSMKAVSCASCTTNGMAPAV
UniRef90_D7B1J4 UniRef90_D1JI22	SAPAKGEDITVVMNDDKYDAANHHVISNAS <mark>C</mark> TTN <mark>C</mark> VAPMA SAPGKDITIVKGVNEHLYDKEKHNIISNAS <mark>C</mark> TTN <mark>C</mark> LAPIV
UniRef90_A0A023X4G8	SAPAKDGT FIVIY GIVIN HEDYN PDEHEIV VISNAS <mark>C</mark> T T N <mark>C</mark> I VIP MIVI
UniRef90_U7D928	SAPAKGGVPTVVYNVNHKDTKDDHIVSGASCTTNCLGPVA
UniRef90_G3RS64 UniRef90_UPI00047CD653	S T S V D T P M F V M G V N H E K Y D N S L N I V S N A S C T T N C L A P A S A P A G A D K T I V Y G V N H D V L T K N D V V V S N A S C T T N A L A P V A
UniRef90_Q20FC5	TAPSDILIPTYIVVIGIVINEKDYNPSTDEILVISNASCITNICITAPEIVI
UniRef90_B5IAB7 UniRef90_D6XST8	TAPSKGEPADVTINQDKYDPEKHDVISNASCTTNCLAPVA TAPDADLTIVMGVNHFDYDPSAHRIISNASCTTNCLAPVA
UniRef90_D0X316	SAPAKIVIDAMIV V LIGIVIN DEILLITGDEKIV VISNASCTTNCILIAPIL VI
UniRef90_C0GGI0	STP <u>D</u> ADK <u> </u>
UniRef90_UPI00036A6243 UniRef90 H9UJJ8	S A P
UniRef90_UPI0003B49556	TAPAK DEDITI VMNHEQYDPAKHHVVSNASCTTNCLAPVA SUPLADAPMFVMSMNHEKYDNSLKI VSNASCTTNCLALLA
UniRef90_UPI0003D08F50 UniRef90_UPI0001850871	TAPAK DEDITI VMNHE QYDPAKHHVVS NASCTTNCLAPVA SIPLADAPMFVMS MNHE KYDNSLKI VS NASCTTNCLALLA TAPGK DVTI VMGVNES DLNVDHHDI IS NASCTTNCLAPVV
UniRef90_UPI00036F5B11	SAPAKGEDLTVVMGLNDSVYDSQNILSNASCTTNCVAPMA
UniRef90_N1UR15	S A P A K G D D L T V V M N D G E Y D D A K H N I V S N A S C T T N C L A P L A
UniRef90_V8FYW1 UniRef90_I3EDG6	S A P A K G D D L T V V M N D G E Y D D A K H N I V S N A S C T T N C L A P L A S A P K D V D A T V V Y G V N H D V L K A E H T V V S N A S C T T N C L A P L V T A P S P D A P M F A M G I N E K E Y N G E T V V S N A S C T T N C L A P V V
UniRef90_R2S5I5	SAPSADVPTIVYNVNHEILTGKETVISGASCTTNCLAPMA
UniRef90_K9SF47 UniRef90_E1QEC3	S A P S A D V P T V Y N V N H E L T G K E T V S G A S C T T N C L A P M A T A P D D V G T F V M G V N H E D Y E H S K Y E V V S N A S C T T N C L A P V V S A P G K D V D F V M G V N H T S F D P A K H N I F S N A S C T T N C L A P P A
UniRef90_UPI000471B8B1	S A P K D V D A T V V Y G V N H D V L K A E H T V V S N A S C T T N C L A P V V T A P S P D A P M F A M G I N E K E Y N G E T V V S N A S C T T N C L A P V V S A P S A D V P T I V Y N V N H E I L T G K E T V I S G A S C T T N C L A P M A T A P D D V G T F V M G V N H E D Y E H S K Y E V V S N A S C T T N C L A P V V S A P G K D V D F V M G V N H T S F D P A K H N I F S N A S C T T N C L A P P A S A P G K D I V I V M G V N D E K L D D D K H D V I S N A S C T T N C L A P V A S A P S A D A P M F V M G V N E E K Y T A D I Q V L S N A S C T T N C L A P I A S A P A E D G T F V L G V N E E S Y D P A N H H I I S N A S C T T N C L A P L A S A P A E D G T F V L G V N E A S L K P S M Q I V S N A S C T T N C L A P L A S A P G K F M D R T V V Y G V N B D L T S O D I V S N A S C T T N C L A P I A S A P G K F M D R T V V Y G V N B D L T S O D I V S N A S C T T N C L A P I A S A P G K F M D R T V V Y G V N B D L T S O D I V S N A S C T T N C L A P I A S A P G K F M D R T V V Y G V N B S D L T S O D I V S N A S C T T N C L A P I A S A P G K F M D R T V V Y G V N B S D L T S O D I V S N A S C T T N C L A P I A S A P G K F M D R T V V Y G V N B S D L T S O D I V S N A S C T T N C L A P I A S A P G K F M D R T V V Y G V N B S D L T S O D I V S N A S C T T N C L A P I A S A P G K F M D R T V V Y G V N B S D L T S O D I V S N A S C T S N C V I P M A S C T S N C V
UniRef90_D4DJY3	SAPSADAPMEVMGVNDEKLDLDKHDVISNASCTTNCLAPVA SAPSADAPMEVMGVNDEKKLDLDVLSNASCTTNCLAPLA
UniRef90_A0A024Q3E8 UniRef90_Q6AF45	T A P G K D N T V M G V N E E T Y H P D K D D V I S N A S C T T N C L A P I A S A P A E D G T F V L G V N E E S Y D P A N H H I I S N A S C T T N C L A P L A
UniRef90_W5X0K4	SAPPKGEKPMVLGVNEALLKPSMQI VSNASCTSNCVIPMA
UniRef90_A3XG01 UniRef90 Q26753	SAPGKEMDRTVVYGVNHSDLTSQDIVSNASCTTNCLAPLA SAPAKGGAKTLVMNQHEYNPNEHSVVSNASCTTNGLAPLY
UniRef90_UPI000381F701	SAPAKDDIPMENNYGIVINHESYAGOAH VISAAS <mark>C</mark> II NAILIAPILIA
UniRef90_S5SV17	S A P A K D D T P M F V Y G V N H E S Y A G Q A I V S A A S C T T N A L A P I A S A P A K D A T F V Y G V N H E D Y D P A N H H I I S G A S C T T N C L A P M A S V P G K D V D A T M G V N E G T Y D P E R D H V V S N A S C T T N C V A P M V
UniRef90_UPI00035EB046 UniRef90_D0LTS8	SAPAGDPDAICGIINIIDIYDPAKHHIIISNASCIINCIIAPIVIS
UniRef90_H8MUC1	SAPAKDMIJI JAYGJI JNHHEYDPAKHHJI VJSNAS <mark>C</mark> I I N C JLJAPJI JA
UniRef90_Q8DIW5 UniRef90_F4L1M6	SAPAKDII IPTII VII IGIVIN SEKII ISADHHII IYSN ASICITT NICII IAPMIVI
UniRef90_J9DTR7	S A P S E <u> V D L T V V </u> Y <u>G V </u> N
UniRef90_U2R1Z3 UniRef90_C7MND3	TAPAK DILITIL VIMGIVIN DELLIY DPAIVIH NIL VIS NASCTTNCILIAPMA
UniRef90_K2CAE9	S A P A G <u>V D</u> A <u>T V V Y G V N H D V L K</u> A S D T V I S N A S <mark>C</mark> T T N <mark>C</mark> L A S <u>V</u> V I
UniRef90_W7S6B5 UniRef90_T0MQS0	S S P G K D V T I V L G V N Y D D Y D Q H S H H I I S N A S C T T N C V A P M V S A P A K D A T I V L G V N D N I Y D I K E H N V L S I G S C T T N C L A P L V
UniRef90_UPI000381BCF3	SAPGGDD V D I V YG V NHKT L KATDT VI SNAS <mark>C</mark> TTN C L AP LV
UniRef90_K2EPH3	SAPGKGEGIKTYVRGINYKVGKETVIDNAS <mark>C</mark> TTN <mark>CT</mark> APVM
UniRef90_S0G637 UniRef90_B9KFE0	SAPAKDKTPTYVLGVNAHEYKGENIISNAS <mark>C</mark> TTNCLAPVA SAPAKDKTPTYVLGVNAHEYKGENIISNAS <mark>C</mark> TTNCLGPL <u>C</u>
UniRef90_D8K0N7	STTSADLTVVMGVNHHNYRPEAHRVVSNAS <mark>C</mark> TTNCVTPMV
UniRef90_Q30UW7 UniRef90_W0JHR4	SAPAKEEDI TÜVVNHQDYDPAKHRI I SNASCTTNCL APVV SAPPKDKT I PTVVNSDNFDFKNNQI I SNASCTTNCI GPV I
UniRef90_D5UF28	SAPAKDAT FVVGVNHT DYDAAAHHI I SNAS <mark>C</mark> TTN <mark>C</mark> LAPVA
UniRef90_Q5MZI1 UniRef90_K1JSK5	T A P G K V G T Y V I G V N D S E Y R H E D F A V I S N A S C T T N C L A P V A S A P G K A D A T <u>V V Y G V</u> N Q E <u>V L</u> K A S D <u>L</u> V V S N A S <mark>C</mark> T T N C L A P L A
UniRef90_UPI0002BACCCD	S A P A K D A T F V V G V N H T D Y D A A A H H I I I S N A S C T T N C L A P V A T A P G K V G T Y V I G V N D S E Y R H E D F A V I S N A S C T T N C L A P V A S A P G K A D A T V V Y G V N Q E V L K A S D L V V S N A S C T T N C L A P L A D T G P S K D N T P M F V K G A N F D K Y A G Q D I V S N A S C T T N C L A P L A T A P A K G E D I T V V I C N E K N L K P E H T V I S C A S C T T N S I A P V I
UniRef90_A8F5Y0 UniRef90_UPI00036D00E8	T A P A K G E D T V V C N E K N K P E H T V S C A S C T T N S A P V S A P G K G V K T V Y G V N H N T N S D D N V S N A S C T T N C A P A
UniRef90_UPI0002FC3C42	ŢĠ₽ĀĶ <u>ŬQŢĹVĶĠŬN</u> DNQĹNĹĶQFDĹĬŚNÁŠ <mark>Č</mark> ŢŢN <mark>Č</mark> ĹŚPVÁ
UniRef90_R6GXM4 UniRef90_A5FXV0	TAPAKDTPTFIVIY GIVIN SELLIY QPDMMIVI ISNAS <mark>C</mark> TTN <mark>C</mark> L APLIA SAPADIVIDATIL VIY GIVIN HHTIITK DMTIL I ISNAS <mark>C</mark> TTN <mark>C</mark> L APLIA
UniRef90_V4HTR4	SAPGTDDATVVHGVNSDVLNENSNI I SNASCTTNCLAPVA
UniRef90_A5E990	SAPAAADKTUVFGVNHNSUSPGDNVVSCASCTTNCLAPVA
UniRef90_G4KRH2 UniRef90_UPI00046AA8B9	SAPSGADR <u>TVVYGVNH</u> SELTAEDII VISNAS <mark>C</mark> TTN <mark>C</mark> LIAPIVIA
UniRef90_UPI000255A1F9	SAPSKDADLTVVYGVNDDKTAEHKVVSNAS <mark>C</mark> TTN <mark>C</mark> LAPVA
UniRef90_K2FEE4 UniRef90_C1FDB2	TAPAK DI PTYIV V GIVNA DOY DPSANI VISNA SCTTNCI I APFA
UniRef90_K9UIU1	TAPGKDEDFVVGVNHQDYDHDKHFI I SNAS <mark>C</mark> TTN <mark>C</mark> LAPFA
UniRef90_UPI00040BBE79 UniRef90_F7ACZ3	I A P A K D A T I V M G V N H D S Y N P D E H H I V S G A S C T T N C L A P V V S A P S A D A P M F V M G V N H F K D N S I K I I I N A S C T T N C I V D I I A
UniRef90_D2SF44	SAPAKDAT F V V G V N H T D Y D A A A H H I I S N A S C T T N C L A P V A T A P G K V G T Y V I G V N D S E Y R H E D F A V I S N A S C T T N C L A P L A S A P G K A D A T V V Y G V N Q E V L K A S D L V V S N A S C T T N C L A P L A S A P G K A D A T V V Y G V N Q E V L K A S D L V V S N A S C T T N C L A P L A T A P A K G E D I T V V I C N E K N L K P E H T V I S C A S C T T N C L A P L A T A P A K G E D I T V V I C N E K N L K P E H T V I S C A S C T T N C L A P L A T A P A K G E D I V Y G V N H N T I N S D D N V L S N A S C T T N C L A P L A T A P A K D T P T F V Y G V N S E L Y Q P D M M V I S N A S C T T N C L A P L A S A P A D V D A T I V Y G V N H N T L I N S N S N I I S N A S C T T N C L A P M A S A P A A A D K T L V F G V N H N S L S P G D N V V S C A S C T T N C L A P M A S A P S K D M P T F V M G V N H K T Y T P D M D V V S N A S C T T N C L A P M A S A P S K D M P T F V M G V N H K T Y T P D M D V V S N A S C T T N C L A P M A S A P S K D A D L T V V Y G V N H S E L T A E D L V S N A S C T T N C L A P M A S A P S K D A D L T V V Y G V N A Q E Y Q G E T I I S N G S C T T N C L A P M A S A P S K D A D L T V V Y G V N A D Q Y D P S A N I V S N A S C T T N C L A P M A S A P S K D A D L T V V Y G V N A D Q Y D P S A N I V S N A S C T T N C L A P F A T A P A K D L P T Y V V G V N A D Q Y D P S A N I V S N A S C T T N C L A P F A T A P A K D A T I V M G V N H D S Y N P D E H H I V S G A S C T T N C L A P F A A P A K D A T I V M G V N H B K D N S L K I I C N A S C T T N C L A P V V S A P S A D A P M F V M G V N H B K D N S L K I I C N A S C T T N C L A P V V S A P S A D A P M F V M G V N H B K D N S L K I I C N A S C T T N C L A P V V S A P S A D A P M F V M G V N H B K D N S L K I I C N A S C T T N C L A P V V S A P S A D A P M F V M G V N H B K D N S L K I I C N A S C T T N C L A P L A P A K D D L T I V M G V N H B K D N S L K I I C N A S C T T N C L A P L A P A K D D L T I V M G V N H B E K Y D G S Q T I I I S N A S C T T N C L A P L A P A T G D D L T I V M G V N H B E K Y D G S Q T I I I S N A S C T T N
UniRef90_A0L4S8	SAPADUPT FIVINGVINENDYNPAT DDI VISNAS <mark>C</mark> T T N <mark>C</mark> L APMA
UniRef90_E4PF59 UniRef90_E7NXX0	TAPGKSSNFVMGVNENEYDAAKHNVISNASCTTNCIAPVV
UniRef90_G1Q0A9	SAPSADAPMEVMCVNHDKYDNFLKIVSNASCPTNCLAPLA
UniRef90_F8EKT3 UniRef90_UPI000360BD6A	SAPAGDILIK TIV VIF NIVIN H GILLID G S E TILLIS CASCTT N CLAPMA
UniRef90_A0A033UX85	SAPSGDLKTI VIYNVNHDELDGSEEI VISGASCTTNCLAPMA
UniRef90_P54226	T G P S K D N T P M F V K G A N F D K Y A G Q D I V S N A S C T T N C L A P L A T A P A K G E D T T V V I C N E K N L K P E H T V I S C A S C T T N C L A P L A T A P A K G E D T T V V I C N E K N L K P E H T V I S S C T T N C L A P L A T A P A K G E D T T V V I C N E K N L K Q F D I I S N A S C T T N C L A P L A T A P A K D T P T F V Y G V N D N Q L N L K Q F D I I S N A S C T T N C L A P L A S A P A K D T P T F V Y G V N S E L Y Q P D M M V I S N A S C T T N C L A P L A S A P A D D D A T I V Y G V N H H T L L N S N I I S N A S C T T N C L A P V A S A P A A D A T I V Y G V N H N S L S P G D N V V S C A S C T T N C L A P V A S A P S K D M P T F V M G V N H N S L S P G D N V V S C A S C T T N C L A P V A S A P S K D M P T F V M G V N H N K T Y T P D M D V V S N A S C T T N C L A P V A S A P S K D A D L T V V Y G V N D D K T A E H K V V S N A S C T T N C L A P M A S A P S K D A D L T V V Y G V N D D K T A E H K V V S N A S C T T N C L A P F A S A P S K D A D L T V V Y G V N D D K T A E H K V V S N A S C T T N C L A P F A T A P A K D L P T Y V V G V N D D K T A E H K V V S N A S C T T N C L A P F A T A P A K D L P T Y V V G V N D D K T A E H K I V S N A S C T T N C L A P F A T A P A K D L P T Y V V G V N D D K T A E H K I V S N A S C T T N C L A P F A T A P A K D L P T Y V V G V N D D K T A E H K I V S N A S C T T N C L A P F A T A P A K D L P T Y V V G V N D D K T A E H K I V S N A S C T T N C L A P F A T A P A K D L P T Y V V G V N D D K T A E H K I V S N A S C T T N C L A P M A S A P S G D D L T I V M G V N H E K Y D G S Q T I I S N A S C T T N C L A P M A S A P S G D D L T I V M G V N H E K Y D G S Q T I I S N A S C T T N C L A P M A S A P S G D D L T I V M G V N E N D Y N P A T D D I V S N A S C T T N C L A P M A S A P S G D D L T I V M G V N E N D Y N P A T D D I V S N A S C T T N C L A P M A S A P S G D D L T I V M G V N E D Y D P E R H T I I S N A S C T T N C L A P M A S A P S G D L K T I V V L G V N D D Y D P E R H T I I S N A S C T T N C L A P M A S A P S G D L K T I V V L G V N D D Y D P E R H T I I S N
UniRef90_C0DRT1 UniRef90_D3ZK01	STPSANTPMFIVMGIVDHKKYDNSLIKMIVISNAPCTTNYII AP A
UniRef90_A0A024HK65	SAPGKÜDATVVYGVNHELLRASHQITISNAS <mark>C</mark> TTN <mark>C</mark> LAPVA
UniRef90 R7WPA4	SAPAKNEDILITII VIMGIVINDDYDGSQNII I ISNAS <mark>C</mark> TTN <mark>CL</mark> APIVA

11. 'P. (00, 11P10000440P0A	170 180 190 200	
UniRef90_UPI000344CD2A UniRef90_Q4UFJ5 UniRef90_G8LR88	KVLHENFGIVEGLMTSVWPNMARQNIVDGTTRDFKRSGRC KVLNDNFEILEGLMTTIHASTATOKVVDSVSSKDWRGGRS	
UniRef90_F0Y1M7 UniRef90_L5N9Z4 UniRef90_V4NGL9	KALNDAYGI DEGLMTTVHAMTATQKVVDASSNKDWRGGR <mark>C</mark> KVLEDQFGI VNGLMTTVHSFTNDQKNLD NPHKDLRRARG KVLQDLCGI ERGYMTTI HSYTNDQPSLD QMHKDLYRARA	
UniRef90_F7YAX5 UniRef90_UPI0003B36CAF	A A L H E T V G I E K G M M T T I H S Y T G D Q P T L D T M H K D L Y R G R A K V L E D S I G I E S G I L T T V H A Y T N D O N N M D N P H K D I R R A R A	
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UniRef90_D1JI22 UniRef90_A0A023X4G8 UniRef90_U7D928	KVLNDNFGIDVGFMVTVHAYTADQRIVDGPHKDLRRARSAKVLQDNFGLSSGFMTT <mark>O</mark> HAYTNDQSLLD AAHKDPRRARAKVLNEKFGLKRGWMTTIHAYTADQRMQDAPHKDLR <u>R</u> ARAG	
UniRef90_G3RS64 UniRef90_UPI00047CD653	KIVI HDN FGILLEGFMTTIVHTILTATQ TILNGPSGKLIS <mark>C</mark> DG <mark>C</mark> R	
UniRef90_Q20FC5 UniRef90_B5IAB7 UniRef90_D6XST8	KVLDEKFKI IKGTMTTTHSYTGDQRLLDASHRDLRRARAAKVLHENFGI KYALMSTVHSYTNDQRVLDLPHRDLRRARAKVI HDAFGI VSGVMTTVHSYTNDQKNI DNPHKDLRRARAC	
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UniRef90_UPI0003D08F50 UniRef90_UPI0001850871 UniRef90_UPI00036F5B11	KVLDEQFGILNGLMTTVHAFTNDQNNID NPHKDLRRARA KVLHDAFGLQTGFMTTVHAYTGDQRVHD APHKDLRRARA	
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UniRef90_UPI000471B8B1 UniRef90_D4DJY3	KIV VI <mark>H</mark> Q N WGIL IK E GIL IM T TIVI <mark>H</mark> S Y T A T Q K TIVID G P S G K D W R G G R T	
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UniRef90_A3XG01 UniRef90_Q26753 UniRef90_UPI000381F701	QVLDQSFGIQTGYMTTIHAYTGDQPTHDSPHSDLY RGRAHVNKEGFGIKVGLITTLHAYTATQKTVDGVSQKDWRGGRAKVLNDNFEIKRGLMTTVHAATASQMVVDSASNKDWRGGRS	
UniRef90_S5SV17 UniRef90_UPI00035EB046	K AJL N D G L G I E R G L M T T I H A Y T G D Q R L H D A P H R D L R R A R A K V L D E H F G L V K G L M T T I H G Y T N D Q V V L D G P H K D L R R G R S	
UniRef90_D0LTS8 UniRef90_H8MUC1 UniRef90_Q8DIW5	KVLNDSFGIEHGLMTTIHSYTNDQQILD LPHKDLRRARAKVLVDNFGVEKGLMTTVHSYTNDQRILD LTHEDMRRARAKVLHEAFGIQQGMMTTTHSYTGDQRLLDASHRDLRRARAA	
UniRef90_F4L1M6 UniRef90_J9DTR7 UniRef90_U2R1Z3	KIV LIDDILLIGII ESGEMITIVIHAYTADQRILQDAPHSDILIR RARA KII LINNKEGII VQGHMTTI HAYTGDQNIL ID TVHKDPRRARG KIV LIDDILAGII EHGEMTTVHAYTGEONI IQDG PHRDPRRARA	
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UniRef90_T0MQS0 UniRef90_UPI000381BCF3	KILINDNEGIJOKGEMTTIJ <mark>H</mark> AYTNDOTTIJD OVI <mark>H</mark> KDIJRRARA	
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UniRef90_D8K0N7 UniRef90_Q30UW7 UniRef90_W0JHR4	K V V F D K Y G I E K A L N T V H A Y T N D Q S L D F H K D L R R A R A K V M H E N F G I Q K G V M T T V H S Y T N D Q R I L D Q P H R D M R R A R A R V L H D N F T V T K G F M T T V H S Y T N D Q R I L D L P H K D L R R A R A	
UniRef90_D5UF28 UniRef90_Q5MZI1 UniRef90_K1JSK5	KALNDA GIERGLMTTIHAYTGDQNLQDGPHRDLRRAR AKVLHDNFGIIKGTMTTTHSYTLDQRILDASHRDLRRARAKALHRTVGIERGLMTTVHSYTNDQVLTD VYHKDMRRARA	
UniRef90_UPI0002BACCCI UniRef90_A8F5Y0)	
UniRef90_UPI00036D00E8 UniRef90_UPI0002FC3C42 UniRef90_R6GXM4	KVLHEKFNILSGFLTTVHAYTNDQRVLD LPHKDLRRARA MVLDEAFGIESGFMTTIHSYTGDQPTLD AVHKDPYRGRA KVLNDKFGIENGLMTTVHAFTNDQKNLD NPHKDLRRARS KVIHQEFGIEQSLMSTIHASTAKQKAVDSRGGSDWRTGRS	
UniRef90_A5FXV0 UniRef90_V4HTR4 UniRef90_A5E990	MVL HEAFGI ERGYMVTI HSYTGDQKTVD TLHKDRHRARA KALNDVVGI EQGSMTTI HAFTNDQNLCD VYHKDLYRARS AVLHRTLGI DKGFMTTI HSYTGDQPTLD TLHKDPYRARA	
UniRef90_G4KRH2 UniRef90_UPI00046AA8B9	K V V N D T F G I E Q A L M S T I H A A T A K Q K A V D S R A G R D W R T G R S H V I D Q A F G II K T G Y M T T I H A Y T G D Q P T H D R D H S D II Y R A R A	
UniRef90_UPI000255A1F9 UniRef90_K2FEE4 UniRef90_C1FDB2	K V L D D L CG E S G F M T T T H S Y T N D Q R V L D L P H D D L R R A R A K V L D F K F G L K G T M T T C H S Y T G D O R L D A S H R D R R A R A	
UniRef90_K9UIU1 UniRef90_UPI00040BBE79 UniRef90_F7ACZ3	KIV LINDNEGI I IKGTMTTTHSYTGDQRILLIDASHRDLIRRAR A KTLHEAFTVESGLYTTVHAYTNDQRNLD NPHKDLIRRARA KIVLHDNEGI MEGI MTTVHAYTN ORTVDGPSRKI WODSHG	
UniRef90_D2SF44 UniRef90_A0L4S8 UniRef90_E4PF59	KVLNDSFGIERGLMTTIHAYTADQNLQDGPHKDLRRARAKUIDDKFGIERGLMTTVHAYTNDQALLDQPHSDLRRARAEALHKALGIESGLMTTIHSYTNDQKLSDVYHSDLYRARS	
UniRef90_E7NXX0 UniRef90_G1Q0A9	H V	
UniRef90_F8EKT3 UniRef90_UPI000360BD6A UniRef90_A0A033UX85	KVLNDEFGIVEGLMMTIHAYTGDQNTLDPHAKGDFRRARA	
UniRef90_P54226 UniRef90_C0DRT1 UniRef90_D3ZK01	K V	
UniRef90_A0A024HK65 UniRef90_R7WPA4	QVLHRELGIEHGLMTTIHAYTNDQNLSDVYHEDIYRARS KVLDDTFGIEHGLMTTIHAYTADQNLQDGPHKDLRRARA	



Interest		250 260 270 290
Junkergo Quiufus	UniRef90_UPI000344CD2A	IL VDIL IS FVA A R D T T VD E IV IN A IT L IK E A A D G P L K GII L IA Y N T L P L
Jinkergo	UniRef90_Q4UFJ5	V V D L T V K L S K P T K Y E N I V K V I K E A A D G N L K G I L G Y T E D E V
Jinkergo		V L D L T C L L S K E T S Y E E L C A E L O K B A N G D M K G E L G Y T E E A V
Junkergo	UniRef90 L5N9Z4	L VDL V VDVK R DVT R E EVN E A F A GMARY E MK GILLEFN E E PL
Junkergo	UniRef90_V4NGL9	AVDLVFVPSRTVTKDEVNNALLAAADGVMKGVLDYTNEPL
Jinkergo		V V D F K F I A K R P I I V Q E I N E A V I A A S N G K L K G I L G V I H H P N
Jinkergo	UniRef90_C7QAZ4	VT DLTVDLG RETTKDEI NÄAFKKAAETPLKGFLKYTEDEI
Junkerson Junk	UniRef90_B0M2A8	V VDL TVELETPTTYEEU CAEMKKRAETDMKGYLGYTDEAL
Junkerson Junk		I VI DIL V VI I LEREVI K DEV NAAFKAAAE GPL K DIV L VIY I E DEI
Junkerson Junk	UniRef90_A0A023X4G8	I TOLVAQVEGSPSADEVNÄÄFKEASQG MEGVLEYSEAPL
Junker90	UniRef90_U7D928	UVDL VVETEKQCSVEDLNAAMKEAAEGELKDTFEYTEDPL
Jinkergo Q20FC5	· . · · - · · · ·	IV VIDIL VI IN A A K K A D A II IAIVIN E A II IR E A A N G A II IK NIV I IQII VID D K T
Junker90	UniRef90_Q20FC5	I V DL V VQVEKKTFA DEVNA ALREA A NT DLKGVLVS DEPL
Junker90	UniRef90_B5IAB7	I VDL VAEVEKEPTEEEVREAFKKAAEGELKGI LQYVDEPL
Jinker90		
	UniRef90_C0GGI0	MVDFVADLGKEVTAETANEAFKSAAANELRGILGYSEEPL
		V V D L T F E S S K S T T E S E I N S Y I E N A S L S D L K G I L G F T K E K L
	UniRef90_UPI0003B49556	V V D F S GI L E K S T D T E S L L G E L K E A S E T Y L K G I L A Y N E K P L
Jinkef90	UniRef90_UPI0003D08F50	
Jinkef90		VIDIL V VIDIVIK Q FIVIT PEMIVIN N A F Q T A A K G E L K GIV V V T E D PIL
Jinkef90	UniRef90_N1UR15	ĂŢDILIT VITIVS R DIVIT ĂĒ ĔĮVŅĀ ĂYRĀĀĀĀDPWĀĞIĪ LĪTYSĒDPIL
Jinkef90	UniRef90_V8FYW1	MVDLTFVAKRDTNLDEI NKVLKDASEGALKGI LAFNTDPL
Jinkef90	· . · · · · · · · · · · · · · · · · · ·	LTELVITVLDKQVITADEVNAAMKAASNFSYG YNVDPI
JniRef90	UniRef90_K9SF47	IV VID EIVIA E E E K S I E A D EIVIN QIV I IK Q A I E I N M K G E M A Y S D E EII
JniRef90_D4DJY3	UniRef90_E1QEC3	IL VIDIL II MTILIEK PADTEAILIR QAIL VIEAA QGELIK GII MACEAK PIL
JniRef90_W5X0K4	UniRef90_D4DJY3	V VDL TCRTEK PVT YDEII K KVMKAASEGELKGII LGYTEDAV
JniRef90_W5X0K4	UniRef90_A0A024Q3E8	L VDL VVDVEKAVSVEEVNKVFKNVAQGELNGI I KYTEEPL
JniRef90		T
JniRef90	UniRef90_A3XG01	IV VIDIL IS F M P E R P A TIVIE QII IN A AIVIQ A A A N G PIL IQ GIV L IS Y E T D P M
JniRef90_SSSV17 A T D L T F T A S R E T T A E E V N E I M K A A A E A D S T G A L G Y T D E P L JniRef90_UP100035EB046 JniRef90_DOLTS8 JniRef90_H8MUC1 JniRef90_Q8DIW5 JniRef90_Q8DIW5 JniRef90_GF4L1M6 JniRef90_U2R123 JniRef90_U2R123 JniRef90_U2R123 JniRef90_U2R123 JniRef90_C7MND3 MV D L T V X Q L K K P A S V D E I N A A F K A A A E G P M K G I L E Y C V D P I J N R C V D D I N N E M S K A S K G L L K Y E T D P I J N R C V D D I N N E M S K A S K G L L K Y E T D P I J N R C V D D D D D D D D D D D D D D D D D D	UniRef90_Q26753	V V D L T F T T T K D T S L K E I D A A L K R A A A S Y L R G I L D I S K E E L
JniRef90		ATDITETASRETTAFEVNEI MKAAAFADSTGAI GYTDEPI
JniRef90	UniRef90_UPI00035EB046	LTDLSVVLERPVTAEEVNAAFREAADGPLKGVLRVSDAPI
JniRef90		II VIDILITIVITILIS K.S.A.S.V.G.A.V.N.E.A.F.R.E.A.A.A.G.P.I.K.G.V.I.E.F.S.D.A.O.T.
JniRef90	UniRef90_Q8DIW5	V V D F V A Q V E K P T I A E Q V N Q V I K E A S E T T M K G I I H Y S E L E L
JniRef90	UniRef90_F4L1M6	IVIT D F S A IL V IK K T A S IV ID E II IN A A F K A A S E G P M K G II L IE Y C IV ID P II
JniRef90		I VELNTTVAREVTRDEV LAAYRAAAEGPLAGII LEYSEDPL
JniRef90_T0MQS0 JniRef90_UP1000381BCF3 V_V_D_L_S_F_T_A_A_R_S_T_S_K_A_E_IDE_ILK_T_A_S_E_G_Y_LK_GILA_IN H_K_P_L JniRef90_K2EPH3 L_T_D_F_T_L_V_LK_K_D_V_T_VE_E_V_N_K_A_L_IK_A_S_K_T_S_LK_GIL_VT_T_DE_P_I JniRef90_B9KFE0 JniRef90_D8K0N7 I_A_D_V_T_A_TV_LK_K_VS_K_E_EINE_A_F_R_K_A_A_S_N_LK_GIL_VD_DE_E_R JniRef90_D8K0N7 I_A_D_V_T_A_TV_VE_K_N_VT_A_E_MV_N_Q_EL_K_K_A_A_E_G_E_L_K_GV_MA_Y_C_E_E_P_L JniRef90_Q30UW7	UniRef90_C7MND3	MVDLTFETERPVT[ES] NAAMREAAEGPLAGI LKYETDPI
JniRef90_T0MQS0 JniRef90_UP1000381BCF3 V_V_D_L_S_F_T_A_A_R_S_T_S_K_A_E_IDE_ILK_T_A_S_E_G_Y_LK_GILA_IN H_K_P_L JniRef90_K2EPH3 L_T_D_F_T_L_V_LK_K_D_V_T_VE_E_V_N_K_A_L_IK_A_S_K_T_S_LK_GIL_VT_T_DE_P_I JniRef90_B9KFE0 JniRef90_D8K0N7 I_A_D_V_T_A_TV_LK_K_VS_K_E_EINE_A_F_R_K_A_A_S_N_LK_GIL_VD_DE_E_R JniRef90_D8K0N7 I_A_D_V_T_A_TV_VE_K_N_VT_A_E_MV_N_Q_EL_K_K_A_A_E_G_E_L_K_GV_MA_Y_C_E_E_P_L JniRef90_Q30UW7	· . · . · · - · · -	IV VIDIL I F E A K R N I I IV E E IV N DIV VIR K A A N G P M K GIL LA F N E E QL
JAIREF90_UP1000381BCF3	UniRef90_T0MQS0	II VIDILIT CIL VIN K D T AIVIA EIVIN QIVIF Q E A A S G K M K R YILIE Y T A D PII
MinRef90 SOG637		IV VIDII IS E T A A P S T S K A EII ID EII I IK T A S E C VII IK CII I IAII IN <mark>H</mark> K <mark>D</mark> II
Jinkef90	UniRef90_K2EF113 UniRef90_S0G637	MVDL V V L T Q Q D N T A E MV N Q A L E T A A L G N L K G I L G Y S D L P L
Interior	UniRef90_B9KFE0	SVDLTATLKKKVSKEEINEAFRKAAASNLKGILLVDDEER
Inite Init		I VD FVAL LERETTTEFI RATI KNAAQGSI NGI LGYSELPI
JniRef90_C5UF28	UniRef90_W0JHR4	LIDFVCNVKNIPTIEQVNEAFKKASQTKLKNILEYTEEPL
	UniRef90_D5UF28	A I DIL II F T A S R E VITIVID E VIN A AIVIK A A A E G A M K G T L K Y T E D D II
Jniref90	UniRef90_K1JSK5	FVDLTFIAKRDTSVEEINALVKAASESELAGILGYNDELL
	UniRef90_UPI0002BACCCD	V V D L T V R L E K A A T Y E Q L K A A V K A A A E G E M K G V L G V H
JniRef90_UP10002FG3C42		CVDL V VNL S Q DVT VE S V N S AL S K A A N G PI S GV I A VS D F D M
JniRef90_R6GXM4	UniRef90_UPI0002FC3C42	L V D L V V D L K T D V T L E K V N D A L R E A S N G E L A G I M A V S D E P L
Juiricef90_V4HTR4	UniRef90_R6GXM4	V V D L T A R L S R T T T Y A E I C Y A V R H A S E T Y M K D I G Y T T D Q V V S L D V S T E A V S L D V S T E A V S C V D V S T E A V S C V D V S T E A V S C V D V S T E A V S C V D V S T E A V S C V D V S T E A V S C V D V S T E A V S C V D V S T E A V S C V D V S T E A V S C V D V S T E A V S C V D V S T E A V S C V D V S C V D V S C V D V S C V D V S C V D V S C V D V S C V D V S C V D V S C V D V S C V S C V S C V S C V S C V S C V S C V S C V S C V S C S C V S C S C V S C C
JniRef90	UniRef90_V4HTR4	L VDLT FVAKRETTA DEVNETVKA A A DGA MA GV LEYNTILPL
Juiref90_UP100046A88B9	UniRef90_A5E990	V V D F K F L A S R E T T A E E I N S V V R T A A G A D L E G I L G F T D E P L
JniRef90		WVDIL AKLKUSASYHDIVICIVALENASRNSMKGI I GYITDQIV
I T D F V C A V K N S K N V D E N E A F R E A A R G G M K G L E A T D E E L JniRef90_C1FDB2	UniRef90_UPI000255A1F9	L V D C Q F I A S R E T T A D E I N A L L Q D A A G T M K G G V L S Y C D K P L
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Direction Dire	UniRef90_K9UIU1	V VDL V VHVE K K T F T E E V N A T L K A A A H G P M K G I L D F C E L P L
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JniRef90_E4PF59	UniRef90_A0L4S8	ÜVDAVMEVRAETTAEEVNAALKAATTR FLGYFDAPL
V	UniRef90_E4PF59	LVDFGFLASRETTVDEVNEALKTAAEKNP. VLGYNDEKL
I T E L T V I L N K K V T A E E V N A T M K A A S		VDLICHLEKAAKYDDIKKVVVKOPSDGPIKGIIGYTFDOV
JniRef90_UPI000360BD6A	UniRef90_F8EKT3	LITEL TVI LNKKVT A E EVNATMKA A S NESFGYNEDEN
V	UniRef90_UPI000360BD6A	MIVIDILISIVI LISRDITIKE EIVIN QILIMANAAN GPMK GILLIDYI DILIPIL
JniRef90_C0DRT1	UniRef90_A0A0330X85 UniRef90_P54226	VIT DIL TVIT T R R G T S VIE E V K E A Y A A A S G P Y K G L L S Y V D A P L
JNIKE19U_D3ZKUT II V DIL IT Y OL IE K P A K Y D N I K K V IM K Q A S E G P IL K G I IP D Y Y JNIRE19U_A0A024HK65 L V D L T V Q V G R D C S V E E I N Q L F R IL A S Q G S P I L G Y N T K P L JNIRE19U_B3ZKUT II V D L T V Q V G R D C S V E E I N Q L F R IL A S Q G S P II L G Y N T K P L JNIRE19U_B3ZKUT II V D L T V Q V G R D C S V E E I N Q L F R IL A S Q G S P II L G Y N T K P L JNIRE19U_B3ZKUT II V D L T V Q V G R D C S V E E I N Q L F R IL A S Q G S P II L G Y N T K P L JNIRE19U_B3ZKUT II V D L T V Q V G R D C S V E E I N Q L F R IL A S Q G S P II L G Y N T K P L JNIRE19U_B3ZKUT II V D L T V Q V G R D C S V E E I N Q L F R IL A S Q G S P II L G Y N T K P L JNIRE19U_B3ZKUT II V D L T V Q V G R D C S V E E I N Q L F R IL A S Q G S P II L G Y N T K P L JNIRE19U_B3ZKUT II V D L T V Q V G R D C S V E E I N Q L F R IL A S Q G S P II L G Y N T K P L JNIRE19U_B3ZKUT II V D L T V Q V G R D C S V E E I N Q L F R IL A S Q G S P II L G Y N T K P L JNIRE19U_B3ZKUT II V D L T V Q V G R D C S V E E I N Q L F R IL A S Q G S P II L G Y N T K P L JNIRE19U B3ZKUT II V D L T V D L T V Q V G R D C S V E E I N Q L F R IL A S Q G S P II L G Y N T K P L JNIRE19U B3ZKUT II V D L T V	UniRef90_C0DRT1	L VDLTFEAGRDTSVEEL NAMEKTASEGCLKGVLGYNEMPL
JniRef90_R7WPA4 VTDLTVTLGKSATAEDVNSAMKQASEGALKGLLKYTEDEL		I VIDIL TVOVGRDCSVEEI NOI ERIASOGSP I I GYNTKPI
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	290 300 310 320
UniRef90_UPI000344CD2A UniRef90_Q4UFJ5 UniRef90_G8LR88 UniRef90_F0Y1M7	V S T D F N H H S A S S I F D A T L T K
UniRef90_L5N9Z4 UniRef90_V4NGL9 UniRef90_F7YAX5	V S D Y T T S P S S A D G S T Q V E E R K V K V L A W Y D N E W G Y S V S D F N H A P A S S T F A N Q T Q V D G G V R L S W Y D N E W G F S V S D F N H D P R S S L A D Q T K V M D G N F V S V S W Y D N E W G F S
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UniRef90_D7B1J4 UniRef90_D1JI22 UniRef90_A0A023X4G8	VISSDI VIGTSPSCTFDSKLITMA FGNQVIKI VIGWYDNEWGYS VISADI I GNPHSSI FDSQLITRT LPHEWVEI VIGWYDNEWGYS
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UniRef90_UPI0003B49556 UniRef90_UPI0003D08F50 UniRef90_UPI0001850871	V S M D F N H D P H S S I F A A D Q T K V L Q N N M V R V L S W Y D N E W G F S V S V D I I H N P A S S I F D A K S T M V M G S R S V K V L S W Y D N E W G Y S V S M D F K G D P H S S I L E A P Y T T V Q E G R L V K I V A W Y D N E W G Y S V S C D F N S N S H S S T F D S W A G I A L N D N F V S V D F N T N P N S A L V D G L S T L V M E G S K V K V L A W Y D N E W G Y S
UniRef90_UPI00036F5B11 UniRef90_N1UR15 UniRef90_V8FYW1 UniRef90_I3EDG6	V S T D I V G T P A S C T F D S G M T K V L N G N T V K I I G W Y D N E W G Y S V S S D I V T D P A S S I F D S G L T K V I G N Q V K V V A W Y D N E W G Y S V S S D F N H T A V S S T Y D A T L T K V N G R L V K V S A W Y D N E W G F S V S S D F I G S S L S S T F D A D A S I F L S D R F V K L V A W Y D N E C G Y S V S S D I V G M T Y G S L F D E T Q T K V M D K Q L V K T V A W Y D N E M S Y T
UniRef90_R2S5I5 UniRef90_K9SF47 UniRef90_E1QEC3	V S D Y R G V D E S S V D A S L T M V M G D N M V K V V A W Y D N E W G Y S V S D F K G N P H S S V D L E Y T S V Q P G G L A K L M A W Y D N E W G Y S
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UniRef90_Q6AF45 UniRef90_W5X0K4 UniRef90_A3XG01	V S S D I Q G N A H S S I F D S E L T N VS G N L V K V S S W Y D N E W G Y S V S D I I G N T H S C I F D G T W T R V M D K N L V K V L G W Y D N E W G Y S V S V D F N H D P H S S C F A A T Q T S V T A G G L V R V V S W Y D N E W G F S V S T D F I H N P N S S I Y D S L A T L Q T E K R F F K V V S W Y D N E W G Y S
UniRef90_Q26753 UniRef90_UPI000381F701 UniRef90_S5SV17 UniRef90_UPI00035EB046	VISIT DE RIGASIA A SIVIE DA DA GIL IMILIDE E E VIKIV VIA WY D NE Y GY I VISIT DE LE DES GIL TIKIV VIG DQ. VIKIV VIS WY D NE WGY T VIS R DIL VIG D P.A.S. C.V. I. D.A. PILIT QA. H.G. DIL VIKIV IE G.WY D N.F. WGY T
UniRef90_D0LTS8 UniRef90_H8MUC1 UniRef90_Q8DIW5	V S D Y N G N K N S A T
UniRef90_F4L1M6 UniRef90_J9DTR7 UniRef90_U2R1Z3	VISSDENHNHHSSILEDTTQTQLTIGKKMARVMSWYDNEWGFA VISSDITTGQPASSILEDSALTR VIDGKHVIKIV VIAWYDNEWGFS
UniRef90_C7MND3 UniRef90_K2CAE9 UniRef90_W7S6B5 UniRef90_T0MQS0	V S C D I V H D D H S S I F D A G L T M V L E G T L A K C I A W Y D N E W G Y S V S V D F N H N S A S A I F D T V G T K V I G N L V K I L A W Y D N E W G F S V S R D I I G D P S S C V F D S T L T Q A D G N L V K V F G W Y D N E W G Y T V S A D L V G N P H S A I F D S L S T M V M G K N L V K V F A W Y D N E W G F S
UniRef90_UPI000381BCF3 UniRef90_K2EPH3 UniRef90_S0G637	V S D F N N P A S S Y E P L T K V V D G T F V K V L S W Y D N E W G F S V S D D Y N S N P L S S I V D A Q C T D V N G N M V K V Y A W Y D N E A G Y S C T D V N G N M V K V Y A W Y D N E A G Y S C T D V N G N M V K V Y A W Y D N E A G Y S C T D V N G N M V K V Y A W Y D N E A G Y S T T T T T T T T T
UniRef90_B9KFE0 UniRef90_D8K0N7 UniRef90_Q30UW7	V S S D F L T
UniRef90_W0JHR4 UniRef90_D5UF28 UniRef90_Q5MZI1 UniRef90_K1JSK5	V S H D L N G N P H S S I F D G T M T H I I D D MV K V F A W Y D N E F G Y S V S S D L V T D P H Q S I F D A K L T K V I G D Q V K I V A W Y D N E W G Y S V S S D F R G T D E S S I V D S S L T L V M D G D L V K V I A W Y D N E W G Y S V S T D F N G D D H S S L F D S T L T K V S G N R L V K V T A W Y D N E W G F S
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UniRef90_UPI0002FC3C42 UniRef90_R6GXM4 UniRef90_A5FXV0	V S I D L N H D P H S S T A M L N Q T Y V N Q S R L V R V M G W Y D N E W G F S V S L D F N T D P H S A I V D E Q S T M V I G D N K V K V L A W Y D N E W G Y S V S T D L I A D P C P C V F D E K A G I M L D H D F V K L I A W Y D N E Y G Y S V S A D F N H V A Y S C S F D A P Q T A V I D N A L T R V M G W Y D N E W G F S
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UniRef90_K9UIU1 UniRef90_UPI00040BBE79 UniRef90_F7ACZ3	V S S D F K G T D A S S T D A T L T M V M G D D M I K V I A W Y D N E W G Y S V S D F N S D T F S T F S A G A G T G F N D H V L K L L S W Y D N T F V Y S T T S M T T T T T T T T T
UniRef90_D2SF44 UniRef90_A0L4S8 UniRef90_E4PF59	VISSDIL VIT DPASCI YDSKLITK VFGPMAKVLIGWYDNEWGYS VISIDMQGDPRSSI VDGGCTR VNGKQIKVMSWYDNEWGYS
UniRef90_E7NXX0 UniRef90_G1Q0A9 UniRef90_F8EKT3 UniRef90_UP1000360BD6A	VSTDLIHDKRSSIYDSKATLQNKRFLKVVSWYDNEWGYS VSTDLIHDKRSSLYDSKATLQNKRFLKVVSWYDNEWGYS VSCDFNKDTGSD FNAGAGLALKDH VKLISWYDSEFVYS VSSDLVGTSFGSLFDATQTKVINKQLVKTVSWYDNEMSYV VSVDFNHTPASSTFDATLTKVVDGNLLKVSAWYDNEWGYS
UniRef90_A0A033UX85 UniRef90_P54226 UniRef90_C0DRT1	V S S D
UniRef90_D3ZK01 UniRef90_A0A024HK65 UniRef90_R7WPA4	VSSDFNHTTQASVFDSTLTKVSNGNMVKVLSWYDNEWGFS YPVFNSNSHSSTFDAGAGIALNDNFVKLISWYDNEYGYS VSVDFNHDPRSAIFDANHTR VAGRLVKVMAWYDNEWGFS VSSDIVTDPHSAIFDSKLTK VNGGEVKVVAWYDNEWGYS

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UniRef90_V4NGL9	S R M A D T A V Y F G K
UniRef90_F7YAX5	N R <u>M A</u> D <u>T S V A V G</u>
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UniRef90_D1JI22 UniRef90_A0A023X4G8	N R V V D A M N R T V D L V N Y M G G K
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UniRef90_H9UJJ8	ARVVDLALKLA
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	A Q L R <u>T L </u> E <u>Y F </u> A K
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	N R ML DV A A A WM K K
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511.0100_111 W1 71 4	·····

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UniRef90_J9P980 UniRef90_H3NX72	MKVGVNKFGRIG <mark>HL</mark> VTRAASNSGKEAI <u>FTISNPFI</u> DPN INVAINGFGRIGRNILRALYERPE <u>M</u> RIVAIND LGT <u>P</u> E
UniRef90_L0B5B6	
UniRef90_UPI00038133CD UniRef90_G4CM63	PLRIAINGFGRIGRMVLRAIAENEHTDQVVAINDLADAK IKVAINGFGRIGRLALRRLIEKGDIDVVAINDLTPPD
UniRef90_A9RIU5 UniRef90_UPI00040F370A	AKIKVAINGFGRIGRNFIR <mark>C</mark> WQGRKDSPLVVVINDTGGVK AQVKVAINGFGRIGRN <u>AF</u> KI <u>A</u> FERSDVEIVAIND LTDTK
UniRef90_L1M2Q6	LIRI ALINGEGRI GRNL LIRALLYTRHDLIQVVALIND LIGDSA
UniRef90_Q6WEV5 UniRef90_K9EX01	KVGINGFGRIGR <u>LVFRIAM</u> ARDNM VVK <mark>HI</mark> NSPMAPE IRVAINGFGRIGR <u>N</u> FLR <u>C</u> WLENSG <u>F</u> DIVAINNTS DPK
UniRef90_C1E4R4 UniRef90_UPI0002F66B8C	VKVGI NGFGRI GRLAFRLAYDHPELEFVHI NEFPGAGE VRVGI NGFGRI GRLSLRA <u>A</u> WGWSDLEFV <mark>HI N</mark> EI <u>K</u> GG <u>A</u> E
UniRef90_UPI00046A718B	
UniRef90_Q6QWP2 UniRef90_F7WZB6	RLVLRAALDK GAEVVAI NDPFIDVN IKVAI NGFGRIGRMVFRLSEERSDIQIVAI NDPFIDVN GKTTVGI NGFGRIGRMLFRLLINHPSIEVVAVND LADAK VKVAI NGFGRIGRLVLRGI I ESGRTDVVVAI NDLGSVE I RVGI NGFGRIGRVVI RAAMDMPEI EI RAI NLRNADLE MRVGI NGFGRIGRLVLRAAWDWPELEFVQI NEPYGEAA I RI GI NGFGRIGRLVLRAAWDWPELEFVQI NEPYGEAA I RI GI NGFGRIGRL GRUVLRAAWDWPELEFVQI NEPYGEAA
UniPofOn ISVSK2	IKVAINGFGRIGRMVFRLSEERSDIQIVAINDLL STNGKTTVGINGFGRIGRNLFRLLINHPSIEVVAVND LADAKVKVAINGFGRIGRLVLRGIIESGRTDVVVVAINDLGSVE
UniRef90_R6E1C8	VKVAI NGFGRI GRLVLRGI IESGRTDVVVAINDLGSVE LRVGI NGFGRI GRVVI RAAMDMPELELRAI NLRNADLE
UniRef90_G211U0 UniRef90_R6E1C8 UniRef90_Q5N025 UniRef90_E6U7L7 UniRef90_W0GV94 UniRef90_QSQ86	MRVGI NGFGRI GRLVLRAAWDWPELEFVQI NEPYGEAA IRIGI NGFGRI GRLAYRRIREVGKDLEVVAVNDLTSPK
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Unikei90_P0C0G6	VKVGINĞFĞRIĞR <u>LAF</u> RRIQ <u>N</u> IEG <u>VEVTRIN</u> D LTDPN
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UniRef90_K9SQ08 UniRef90_C2ETG1	VKI GIN G F G RI G RL DLR A A WG WS E F E IT HIN E VK G GIE VKI GIN G F G RI G RL A F R RI H E LN T D DI V VAI N DLT S P E
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UniRef90_Q31BG0 UniRef90_H8XVU3	K T R II A II N G E G R II G R N II E R II I I N H P S II E II V A II N D II A D II K
UniRef90_Q1YRK3 UniRef90_UPI000258DA70	RIAINĞFĞRIĞRNIVRALYERPKIQIVAIND <u>LG</u> SLE VGINGFGRIGRM <mark>C</mark> LRT <mark>C</mark> IEK DMTVSLINDPFISTD
UniRef90_R5LIP1	RI AI N G F G RI G R N I V R A L Y E R P K I Q I V AI N D L G S L E V G I N G F G R I G R M C L R T C I E K D M T V S L I N D P F I S T D I R V A I N G F G R I G R L A F R L M E E D N D Y E V V AI N D L T D A E R I A I N G F G R I G R L I L R I L A E R K G Q L P I V A V N D L V P A D
UniRef90_UPI00046787D1 UniRef90_UPI00036940EB	II KIVIAII IN GEGERII IGERIII I IRAHYENKKKHIII VIAII IN GSGNAA
UniRef90_U4KPR9 UniRef90_A0SNX1	I KVAI NGFGRI GRLAFRLMHNNPAFDVVALNDLSN AD APLRVAI NGFGRI GRL VFRI MRRRSAEFKI VAIHDLAPAA
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UniRef90_F7ZF10 UniRef90_UPI000402D485	I KVGI NGEGRI GRCTI AHI VSSGRNDI VVAVNATGPI A
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UniRef90_A9KPG0	VKVAI NGFGRIGRLAFRQMFGAEGYEVVAI ND LITSPA
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UniRef90_UPI0003B2E1CC UniRef90_UPI0003499A5B	I K V G I N G F G R I G R L A L R V A W D W P E L E F V R I N D P A G D A A M R I G I N G F G R I G R L A L R A G W D N P A L E F V H I N E V K G G V A
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UniRef90_I3C5M3 UniRef90_Q00301	ILIEN PEILINII II AIVIN D PEILIDILID
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JIIII\EI3U_UFIUUU3/3U3Z6	

	50 60 70 80
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UniRef90_S2LCF5 UniRef90_UPI000467284D	MIL VIYIL LIK Y D T T Q R RIL IN H KII IEII IK D N NII V VIN G K EIVIKIVIT S E K N
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UniRef90_K9EX01 UniRef90_C1E4R4	TACHLLKYDSLLGRLDADVSFTDDTITVGDKTIKCCSDRN SSAYLAKYDSVHGQWPKDCAFVDGNIVVDGKPISYSSHST
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UniRef90_T0P0P1	TLAHLEKYDSVHGPESGTVDEDDNHLIINNKRI ZVINEKN
UniRef90_G9I121 UniRef90_G8R6J2	MLAHLLKYDTTQGRFDGTVEVKEGGFEVNGNFIKVSAERD TLAHLFKYDSVHGPFSGTVDFDDNHLIINNKRILVTNEKN QASHLLKYDSTFGTFDADVQIADDGITVDGKPIRVVSNRD NLAHLLKYDTVHGHFPDEVKEQAGKLVINGREISVFSEKE
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UniRef90_A9KPG0	MLAHLLKYDSAQGRYDGTVEAKESSLVVDGKEIKIYAEAD
UniRef90_M5TLV0 UniRef90_Q76EG3	S A A H L L E F D S V Q R R W Q H E V S V S N G R M V I D G E S I G Y S S A K D I N A H L L E F D T A H G R F G H E V T S G E D Y L A V D G R R I A V L N E R S S L L H L L K Y D S I H R K F D R K I S L D G N F L V S E G N K I R L L E Q S K T A A H L L K Y D S V H G R F P G E I V T G A N T M D L G R G P I R M M S S Y D T L A H L L K Y D S I H G V S P L E I S H T K N G I L V E G K E V A L L N H K S S L A H L L K W D T V Y R K L D E P V S Y R D G N I M V G D D L I Y V L G E K D T L S H L L K Y D S I H G V L A T E I S Y E E G F I I N D K S I P L L N E K N A N A H L M S Y D S V H G R L N G T V R V D G N K M I I V Y D P I T V S A E R D T N A H L L K Y D S V H G R F S G E I T V E N D Q L D I G N G P V K V F S S Y D T M A H L L K Y D S V H G R F S G E I T V E N D Q L D I G N G P V K V F S S Y D T M A H L L K Y D S A G K V S A K P D A L V I G Q L S I P V F A L K E M L A H L L K Y D S A G R W R E I D A E D D A M I V D G K K V T V S A H A T Y M V Y Q L K Y D S V H K Q F A G T L A A K E D G L V V N G V E I Q L F H E K D
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UniRef90_F2LX78 UniRef90_A1U6T7	T L A H L L K Y D S V H G V Y D H K L E S K D D A L L F N G K E I K V F A E K D T L A H L L N F D S V H G T W S R E A M A D G D D M L I D G Q R I R V T H N K A
UniRef90_UPI00041816CA	TAAHLIRYDSVHGRWDRGTUTTGEGWMDLGRGAIEVSSTYD TAAHLIEFDSVHGRWDHPVTCIDDTVVIDGQALTFSENAT GSAHLLHFDSAHGRWHHETGTDGRNIVINDSLIPYTSNQA
UniRef90_K2L7J9 UniRef90_UPI0003750526	TAAHLLEFDSVHGRWDHPVTCIDDTVVIDGQALTFSENAT
JIIII/6190_UF10003/30326	O S A TITLE LINE DO A TI G N W THE LIGIT DUCK NIT VIND SILLIFT LONGA

	90 100 110	120
UniRef90_UPI0003F8E080	PKD NWSKYQ V N VI EASGKFKKQED QFH L QKG V E	KVIL
UniRef90_Q5HF86 UniRef90_D8ILT9	PENLPWKELDI DI AI DATGKFNHGDKALAHI KAGAR AKNIPWKNDGVDLVLESTGFYTSKEKASAHLEAGAR	KKVLL
UniRef90_I3DF40	PEELPWKELGIDVVLE <mark>C</mark> TGFFTSKEKAEAHIKAGAK	
UniRef90_004106	PEETSMDRLGADYI VESTGVFTDKDKPAAHLKGGAA AKNIPWGDLGVDVVIE <mark>C</mark> TG <u>F</u> Y <u>T</u> SAEKAQ <u>A</u> HLDAG <u>A</u> K	KELL
UniRef90_E6W9Y3 UniRef90_T0JFM8	A K N I P WG D L G D D V V I E C T G F Y T S A E K A Q A H L D A G A F P K K L A F A D C G A D I V L E C T G V F L T Q E S A Q L H I N N G V I	K K V L I L Γ K V L F
UniRef90_A3YWI8	PII INII IP WK I) WGIVIDII VI IF A I GIVIFII II) I F G A G K HII IK A G A S	s ĸ v Ľ i
UniRef90_A2SJK6	P A E L P W K Q <u>H</u> G I D I V M E <mark>C</mark> T G L F T S K A K A <u>G</u> A H L A A G A F	
UniRef90_UPI000262CA79 UniRef90_Q20FB4	P	
UniRef90_S2LCF5	PENLPWKELGUDI VLE <mark>C</mark> SGRFNSKEKAEAHI RAGAK	K K V L L
UniRef90_UPI000467284D UniRef90_A0A010PER2	PEQLPWAKMGVDLVIEGTGVFIDGPGAGKHIIAGAPPENLPWKELGVDIVLECSGRFNSKEKAEAHIRAGAPPADIPWLELGTEVVLECTGLFSSKEKAEEHLKAGAPPANLPWGELGVDVVLECTGFFTTKETAGKHLEAGAP	
UniRef90_R6YLU2	PEKILIP WEEILIDIVIDIV V LIE <mark>U</mark> I GFFI SKDKAMKHII I IAGAI	KKVII
UniRef90_F3L362 UniRef90_C6XFH4	PSQLPWKSLEVDVVFECTGIFRHRADLQKHIDAĞAR PQDLPWG DVD <u>VAM</u> ECTG <u>FFVT</u> QEKASLHLSNGSO	
UniRef90_J9P980		
UniRef90_H3NX72	P E D L	RKVLI
UniRef90_L0B5B6 UniRef90_UPI00038133CD	P E E L	K K V V I K R V L M
UniRef90_G4CM63	PENLPWRELGVDVVLE <mark>C</mark> TGFFNSKEKAEAHIRAGA	KKVLL
UniRef90_A9RIU5 UniRef90_UPI00040F370A	P L N L P W G D M D I D L V I E G T G V F V D E A G A G K H I Q A G A F P A N L P W K Q H D I N V V I E S T G F F T E P A K A R A H I D A G A F	KKVLI KRVVI
UniRef90_L1M2Q6	PAELPWRAEGVDVVFECTGLFTDRTKAAAHITAGAF	RKVII
UniRef90_Q6WEV5 UniRef90_K9EX01	DIKWGDASAKYVVKPTGVFTLTEKARAHLKGGAPPEDLPWGDLNIDVVFECTGIFTSRDKASAHLRAGAPPELLPWRDLGIDVVMECTGIFTSRDKASAHLRAGAPPEDLPWRDLGIDVVMECTGFFLTKDLCGKHIMAGAPPENLPWGDHSVDIVMECTGFFLTKDLCGKHIMAGAPPENLPWGDMDIDLVIEGTGFFNSKEKAEAHIRAGAPPLNLPWGDMDIDLVIEGTGVFVDEAGAGKHIQAGAPPANLPWKQHDINVVLESTGFFTEPAKARAHIDAGAPPALPWRAEGVDVVFECTGLFTDRTKAAAHITAGAPPTEIPWGKRDVAYVCESTGAFTSTESCMLHVTSANPPNNLPWGAWDIDLVIESTGVFVSEEGARRHLEAGAPPNNLPWGAWDIDLVIESTGVFVSEEGARRHLEAGAPPGDVPWDEHGVELVLECSGEFLTRAKLEPYFARGVF	<pre>K V V I K O V I I </pre>
UniRef90_C1E4R4	PGDVPWDEHGVELVLECSGEFLTRAKLEPYFARGV	Χκνιν
UniRef90_UPI0002F66B8C UniRef90_UPI00046A718B	P N N L P W G A W D I D L V I E S I G V F V S E E G A R R I L E A G A P P G D V P W D E H G V E L V L E C S G E F L T R A K L E P Y F A R G V P P D V D W A S L G V D I V L E S S G K F R T P D T L A P Y F E R G A P P D Q L P W E D V D I V L E C T G H F R T P E K A G L H L K N G S P N N I P W S K A G A E Y I I E S T G V F T T L D K A Q T H F E G G A P L K N I D W K S L N I D V V V E S T G M F L T E K K A L E H I H A G A P I S T G V F T T L D K A Q T H F E G G A P L T E K K A L E H I H A G A P I S T G W F L T E K K A L E H I F T E M K A L T E K K A L E H I F T E M K A T E M T E M T E M T E M T E M T E M T E M T E M T E M T E M T E M T E M T E M T E M T E	KKVIV
UniRef90_Q6QWP2	PNNIPWSKAGAEYI I EST GVF TTLDKAQTHFEGGA	λĸ v i i
UniRef90_F7WZB6	KNIDWKSLNIDVVVESTGMFLTEKKALEHIHAGAR LEDIRWGNIDLVIE <mark>C</mark> TGKFKSKKQLEN <u>H</u> LKNGAR	KVVL
UniRef90_I3YSK2 UniRef90_G2I1U0	TEDIRWGNIDL VIECTGKFKSKKQLENHLKNGAR PTKVP FQGVDVALECTGRFTDKEKAAQLIKAGAR ASEIPWKEAGVDYVIDCTGAYVTTEKAMDHLEAGAR	ŘΚVΙ V
UniRef90_R6E1C8	A S E I P WK E À G V D Y V I D C T G À Y V T T E K À M D H L E À G À P	K H V I I
UniRef90_Q5N025 UniRef90_E6U7L7	PTAIDWAAQGVELVLE <mark>C</mark> SGQFRTTEKLEPHFQAG <mark>V</mark> Q AENLPWGAEQVDIVIESTGFYTSEEKSAAHLKAGAR	QI VIV KRVII
UniRef90_W0GV94	PILINCP WK E WGIVIDIL VI IEST GIVIF NT DEKASMHII IQAGAR	KKVIL
UniRef90_Q2SQ86 UniRef90_P0C0G6	PLELP WAVA NVOL VLE <mark>C</mark> T GRFT KREKA È A HI MA GA S PENI DWAT <u>D</u> GVEI VLEAT GFFAKKEAA E <u>K</u> HL <u>H</u> A GA P	S K V L I K K V V I
UniRef90_T0P0P1	PENLPWNTLDIIDVVVESTGHFTSKEKANLHLIAGAK	
UniRef90_G9I121 UniRef90_G8R6J2	PTQLPWGEMGVDLVIEGTGVFVDEAGAGKHLEAGAA PANIPWASVGVDLVIEATGRFKTTDLAIGHIKAGAA	K K V V I
UniRef90_T1KWW3	PADI PWGKTGADYVVESTGVFTTKEK <mark>C</mark> QGHIAGGAF	K V I I
UniRef90_W5P448	PKEIPWKSVGSPFVVEATGVYLSLEETKAHLEAGAG	QRVVI
UniRef90_K9SQ08 UniRef90_C2ETG1	PANIPWGEMGVDLVIEGTGVFVDEAGAGKHLEAGAPPANIPWASVGVDLVIEATGRFKTTDLAIGHIKAGAPPADIPWGKTGADYVVEATGVFTTKEKCQGHIAGGAPPKEIPWKSVGSPFVVEATGVYLSLEETKAHLEAGAGPAEVPWDDLGVDIVLECSGKFLTLEKLNSYFTKGVPARNIPWKNDGVDFVLECTGFYTSAEKSQAHLDAGAPPKALPWKSLEIDMVLECTGFFTSAEKALQHVQAGAPYLDVPWKSLEIDMVLECTGFKTREKALQHVQAGAPYLDVPWKSSVDIILECTGKNKKPDKLNPYFDSGMP	K K V I V K K K K K K K K K K K K K K K
UniRef90_H6L8H5	PKALPWK SLEIDMVLE <mark>C</mark> TGLFRTREKALQHVQAGAP	KVLL
UniRef90_Q31BG0 UniRef90_H8XVU3		
UniRef90_Q1YRK3	<u>P T D L P WA D L N V D L V <mark>C</mark> E C T G V F T S <u>R</u> E K A A <u>M H </u></u>	X K V I I
UniRef90_UPI000258DA70 UniRef90_R5LIP1	P	K R V V I
UniRef90_UPI00046787D1	P A A M P W A D IL IGIVIGIL V L IE S T G IL IF T S A D K A R G H IL IK A G A E	Ξ T V V I
UniRef90_UPI00036940EB UniRef90_U4KPR9	P K N L P W K D L G V D L V L E C T G R F T S R D D A Q L H I N A G A P P A A L P W G Q L G V D V V L E C T G L F L T E D K A L K H V E A G A P	/ I/ \/ \/ I
UniRef90_A0SNX1	PAAL PWGQLGVDVVLECTGLFLTEDKALKHVEAGAPKDLPWAALGVDCVVESTGLYRTKDGYDGHLAAGAPQLIPFGAQGAQVVLECTGKFTKRAQAAVHLQGSVSPSQLPWKDLGIEVVLEATGIYANESSYGHLEAGAPASIPWGEAGADYICESTGVFTTTEKASAHIAAGAPPAEIPWQQAGVEYVVEASGKFVTREGAEKHLLAGAPPAEIPWQQAGVEYVVEASGKFVTREGAEKHLLAGAPPAELNWEGIDVLLECTGVHNSKEASMIHLENGAPPKSNGGDTGADYVVGSINGFTTMEKAGTHLEGGAA	K V I I
UniRef90_UPI0004131850 UniRef90_O83816	P Q L	S <mark>H</mark> V I I
UniRef90_B9ZZR2	PASI PWGEAGADYI CESTGVFTTTEKASAHI AGGAF	X K V V I
UniRef90_Q8L6U2	P A E	RKVIV
UniRef90_Q0FG85 UniRef90_G3RNY9	PPKSNGGDTGADYVVGSINLFTTMEKAGTHLEGRAF	X R V F I
UniRef90_B0G3M8 UniRef90_C7RSQ3	A A STP WGS <mark>C</mark> G A E YI I DATGAF <mark>C</mark> T A K K A S A H L Q G G A F VA G G P W R E A G V D I V L E A S G K W R T V E E L T P Y L A A G V F	KKVII
UniRef90_A0Z4E3	PSALPWAELNIDLVLE <mark>C</mark> TGLFTTRVSAA <u>A</u> HLDAGAG	QRVLV
UniRef90_UPI0004786826	P	KKVLI
UniRef90_F7ZF10 UniRef90_UPI000402D485	M N E	KVLI
UniRef90_A1BQS4	PSGLPWDLLGIDVVIESTGLYRARANGKKHIKAGAR	KKVII
UniRef90_UPI00046E761A UniRef90_A0A023D6J4	PTAVP FQGIDVAME <mark>C</mark> TGLFTSKEKASALLKAGAF	\
UniRef90_UPI0003735578	MNELLNWE GVDIV V LECT GQHNDGDKAKTHI ERGAC PENIPWSQYGVDI V V LEAT GKFKDAT SLNHHLKNGAP PSGLPWDLLGI DV V I EST GKFKDAT SLKHHLKNGAP PTAVP FQGLDVAMECT GLFTSKEKASALLKAGAP PTAVP FQGLDVAMECT GLFTSKEKASALLKAGAP PNHLDWS GCDVVLECT GKFNDGLKSKVHI QQGAP ADELPWSALRVDVV I DCT GKNLTRQAAEKHI TAGAP ASKLPWGTLGVDVV V LECT GFYVSKAKSQAHLDAGAP PEEVPWKDHGVDI V VESSGKFRTPETLNPYFDHGVP PAALPWGDAGAEYVCEST GVFTAKEKAELHLKGGAP INET DWSACDV VI EASGKMKNKAT LQAYLQAGVP LNNIPWNVTSPDI V I EST GKFKT RIDLEKHI SAGAP	K S V L I
UniRef90_UPI000468DB9D UniRef90_A9KPG0	A D E L P W S A L R V D V V V D C T G K N L T R Q A A E K H I T A G A A A S K I P W G T L G V D V V V E C T G E Y V S K A K S O A H I I D A G A A	⟨ Q V L ⟨ K V V I
UniRef90_M5TLV0	PEEVPWKDHGVDLVVESSGKFRTPETLNPYFDHGVF	RKVVV
UniRef90_Q76EG3 UniRef90_I1YK01	PAAILIPWGDAGAEYIV <mark>C</mark> ESTGVFTAKEKAELLHLKGGAF LNETDWSA <mark>C</mark> DV	K K V
UniRef90_F4B2T3	<u>i in ni p wn vt sp</u> di v i e st gk f k t ridlek hi is a ga A	ÀKVĬĽ
UniRef90_D3S9Z9 UniRef90_UPI0003B2E1CC	P G Q V P WA E S G V D I V V D A S G A F R T METL Q P H L D R G A F I A T D W S G C D L V I E A S G K M K T V A V L E D Y L K Q G V P N Q V P WA D L G V D L V I E S S G K F R T P D T L N P Y F E S G V P A Q L P W D E L D V D V A F E A T G L F R T H E D A L K H V E A G A E P E K L P W S D V Q I A M E C T G F F T K K S E A S K L L L A G A E P K A I P W G K A G A E Y V V I E A T G K F K S R E O L O H L L G G A F L T A L N W K P F N V D F V I E A T G K F K S R E O L O H L L G G A F L T A L N W K P F N V D F V I E A T G K F K S R E O L O H L L G G A F C S C S C S C S C S C S C S C S C S C	RRVVV
UniRef90_UPI0003499A5B	P N Q P W A D L G D L V E A S G K M K W A V L E D Y L K Q G V P N Q P W A D L G D L N P Y F E S G V P	KVVV
UniRef90_R4VVU6	PAQLPWDELDVDVAFEATGLFRTHEDALKHVEAGA	OKTI I
UniRef90_Q0FGE6 UniRef90_R4UKJ1	P E K L P W S) K V L (K V
UniRef90_I3C5M3	TAINWKPFNVDFVIEATGKFKSREQLQHHILGGAAPANIPWGTVGAQYVVESTGVFTTLEKASAHLKGGAAPKQLPWGDLGVDLVLESTGIFRSRDKASAHLEAGAPIAETDWS GCDLVLEASGVNKKVAVLQGYLDQGVP	KKVIL
UniRef90_Q00301 UniRef90_F2LX78	P A N P W G V G A Q Y V V E S T G V F T T E K A S A H L K G G A P K O P W G D G V D V I F S T G F R S R D K A S A H F A G A	ΚΚ V ΚΚ V V
UniRef90_A1U6T7	TAETDWS GCDLVLEASGVNKKVAVLQGYLDQGV	KRVVV
UniRef90_UPI00041816CA	MDAILIDWS GIVIDIVVIME <mark>C</mark> IGKENDGKKAAKHILIERGAF	<pre></pre>
UniRef90_K2L7J9 UniRef90_UPI0003750526	PGDTDWIGLG <mark>C</mark> DIVFE <mark>C</mark> TGKFKTPETLQSYFDQGVI IADTDWS GADIVIEATGEFRTRAALQPYLDQGVI	A Q V V V

	130	140	150	160
UniRef90_UPI0003F8E080	SVPPDDDKMVVLGVNE	DILDGTEQ	IISNAS <mark>C</mark> T	TNNAAPML
UniRef90_Q5HF86 UniRef90_D8ILT9	T G P S K G G H V Q M V V K G V S A P A G D M T T I V Y G V N D	'INDNQLIDFDI DDAIITADDK	I F S N A S C T	T N C I G P V A T N C L A P L A
UniRef90_I3DF40	S A P A G D M T T I V Y G V N D S A P A G D L K T V V Y N V N H	DLDGSET	V Í S G Á S <mark>C</mark> T	TNCLAPMA
UniRef90_004106	SAPSKDAPMFVVGVNE SAPAGEMKTIVFNVND SAPSKDKETATFVMGV	KEYNPELN	I V S N A S C T	T N C L A P L A T N C L A P M A
UniRef90_E6W9Y3 UniRef90_T0JFM8	SAPSKDKETATFVMGV	NEHLYDOK	I VSNASCT	T N C L A P M A T N C L G P I A
UniRef90_A3YWI8	IAPGKGEIFVVGVNDD	QYRHDDYN	VISNASCI	INCMAPLY
UniRef90_A2SJK6 UniRef90_UPI000262CA79	SAPADVDATVVYGVNH SAPAKGVDATVVYGVN	I G V L R A G H T	V V S N A S C T V I S N A S C T I I S N A S C T	T N C L A P V A T N C L A P L A
UniRef90_Q20FB4	TAPAKGPTYVVGVNEK	DYTHDVSN	I I S N A S C T	T N C L A P F A T N C L A P M A
UniRef90_S2LCF5 UniRef90_UPI000467284D	SAPGGDVKTIVYNVNH SAPSDDIKMIVYNTNH	DL LTGEET		
UniRef90_A0A010PER2	S A P A D V D A T V V Y G V N H S A P A K G V D A T V V Y G V N E K S A P G G D V K T I V Y N V N H S A P S D D I K M V Y N T N H S A P G K D A T L V M G N E N S A P A G D V K T I V Y N V N H	ITYDRENHT	V V S N A S C T	T N C L A P M V T N C L A P V A
UniRef90_R6YLU2 UniRef90_F3L362	SAPAGDVKTI VYNVNH	EELDGDEK	IISAAS <mark>C</mark> T	T N C L A P V A T N C L A P L V
UniRef90_F3L362	SAPCKVKKTI VYGVNH	QSLNKEDK	VVSNASCT	T N C L A P L V
UniRef90_J9P980	SALSADTSMFVMVVNH	EKYDNSLK	I V S N V S C T	T N C L V P V V T N C L A P L A
UniRef90_H3NX72 UniRef90_L0B5B6	SAPSNDDAII VYGVNH SAPSDVDATI VEGVND	I D V L N D D A V O N I I K S N H T	IVSNASCI	TNCLAPIV
UniRef90_UPI00038133CD	SAPAKDNTKTIVYGVN	DNVIDATD	I ESNAS <mark>C</mark> T	T N C L V P L V T N A L A P L L
UniRef90_G4CM63 UniRef90_A9RIU5	SAPGGDVKTLVFGVNE	HTLDGSET	V V S G A S C T	T N C L A P M A T N C L A P F V
UniRef90_UPI00040F370A	SAPAKGEDTIVLGVNE	DEIGKDSD	V L N N G S C T	T N C L A P F V T N C I T P V M
UniRef90_L1M2Q6	S A P A K G A D A T V V H G V N	I H D L R A S H Q	IISNASCT	T N C L A P V A T N G L A P L V
UniRef90_Q6WEV5 UniRef90_K9EX01	TAPGKGDTYVVGVNAD	QYVHGKNP	IISNASCT	T N G L A P L V T N C L A P V V
UniRef90_C1E4R4	SAPVKEKDDPVLNNHH	I E Y D H D K D H	IVTAASCT	TNCLAPVV
UniRef90_UPI0002F66B8C UniRef90_UPI00046A718B	SAPGKGIKTIVYGVNH	IGLI DGSEA	VISNASCT	T N C L A P V V T N C L A P L A
UniRef90_Q6QWP2	SAPSADAPMFVMGVNH	LE A Y D P N M K	I V S N A S C T	TNCLAPMA
UniRef90_F7WZB6 UniRef90_I3YSK2	I G P V K D D N I P M F V K G V S V P D D D I K T V V I G V N D	UN F S Q Y S Q K O S [I VISNAS <mark>C</mark> T	T N C L A P L V T N N A A P M L
UniRef90_G2I1U0	ŠĀPŠĞŪDATĽVĒGVNG	DVLTPDMT	VISNASCT	TNCLAPVA
UniRef90_R6E1C8 UniRef90_Q5N025	S A P G G D V K T I V Y N V N H S A P G K D A T L V M G N E N S A P A G D D D A T I V Y G V N H S A P G C K V K K T I V Y G V N H S A P C C K V K K T I V Y G V N H S A P S N D D A T I V F G V N D S A P S N D D A T I V F G V N D S A P S N D D A T I V F G V N D S A P S N D D A T I V F G V N D S A P S N D D A T I V F G V N D S A P S N D D A T I V F G V N D S A P S N D D A T I V F G V N D S A P S N D D D A T I V F G V N D S A P S N D D D A T I V F G V N D S A P G K D D T I V L G V N D S A P G K G D T I V L G V N D S A P A K G A D A T V V H G V N S A P A K G A D A T V V H G V N S A P G K G D T Y V V G V N D S A P G K G I K T I V Y G V N D S A P G K G I K T I V Y G V N D S A P S A D A P M F V M G V N D S A P S A D A D N T V V F G V N D S A P S G V D A T I V F G V N D S A P S G V D A T I V F G V N D S A P D K E E A L N I V V G V N D S A P D A C K M K T L V T G V T D S A P D A C K M E E A L N I V V T D S A P D A C K M E T D T T T T T T T T T T T T T T T T T	NEYNSDMK	V V S N A S C T	T N C L A P L M T N C L A P V V
UniRef90_E6U7L7				
UniRef90_W0GV94	TAPGKVGIFVVGVNDD	QYRHEDWD	ILSNASCT	T N C L A P I V T N C L A P I A
UniRef90_Q2SQ86 UniRef90_P0C0G6	SAPSEDADATIV VIY GVIN TAPGGNDVKTV VIFNTN	I H D I D G T E T	V I S G A S C T	T N C L A P L A T N C L A P M A
UniRef90_T0P0P1	SAPSKDIPTLVLGIND	KDFDLNVP	ILSNASCT	TNNVAPLV
UniRef90_G9I121 UniRef90_G8R6J2	TAPGKDIIPIFIVIMGIVING SAPADDTKTIVIIGANG	G D D Y K H E Y P G D F T S S D D T	I VISINAS <mark>C</mark> I I VISINASCT	T N C M A P F V T N S V A P L L
UniRef90_T1KWW3	SAPSKDIPTIVLGIND TAPGKDIPTIVLGIND SAPGKDIPTIVMGVNG SAPADDTKTIVLGANG SAPSADAPMFVMGVNH CAPSPDAPMFVMVNEK AAPVKEANIVMTVMGVNH	ESYDPSMN	VISNAS <mark>C</mark> T	TNCLAPLA
UniRef90_W5P448 UniRef90 K9SQ08	CAPSPDAPMFVMVNEK	EYNPSSMK IDVEPOLHH	I V S N A S C T	T N C L A P L A T N C L A P V V
UniRef90_C2ETG1	SAPAGNVPTVVPGVNL	DTLKPEDK	Ĭ <u>V</u> SAGS <mark>C</mark> T	T S C L A P MA
UniRef90_H6L8H5	SAPAKGIPTIVQGING ACPVKGINIVYGINQS SAPPEDDKIKVLGVNE SAPGNVDATVVYGVND TAPSVDAQMIAYVNHA	NEVISNQL	I Y S N A S C T	T S C L A P M A T N C L A P I L T N C L A P I V
UniRef90_Q31BG0 UniRef90_H8XVU3	SAPPEDDKI KVLGVNE	SIIDGTEK	IISNASCT	TNNAAPMI
UniRef90_Q1YRK3	S A P G N V D A T V V Y G V N D	HILDGTQE	IISNAS <mark>C</mark> T	T N C L A P MV
UniRef90_UPI000258DA70 UniRef90_R5LIP1	SAPAKDVKTI VYNVNH	IEI L T G D E K	V V S A A S C T	TNCLAPVV
UniRef90_UPI00046787D1	SAPAKDVKTI VYNVNH TAPGKNADLTVVYNH C	QIDRSKHS	IISNASCT	TNGLTPVV
UniRef90_UPI00036940EB UniRef90_U4KPR9	S G P K E V D A T I V Y G V N H	K L L K K N H T	I V S N A S C T	T N C L A P L A
UniRef90_A0SNX1	T V P T K D V C D N V M G V N E	AALRATDK	C S N A S C T	TNCLAPVC
UniRef90_UPI0004131850 UniRef90 083816	SAPSSDADRTVVMGVNEH	I E T T [L]D T E R I E E D P Δ E H K	VISNASCT VVSNASCT	T N C L G P V V
UniRef90_B9ZZR2	SAPADDTPMFVMGVNQ	EKYTSSMN	V V S N A S C T	TNCLAPMA
UniRef90_Q8L6U2 UniRef90_Q0FG85	SAPAKDVPMFVVGVNH	ISQY <mark>HP</mark> SMD	I VISNAS <mark>C</mark> T	I NCLAPLA
UniRef90_G3RNY9	SVLSADTPMFVMDMNH	E NLE	I L S N A S C T	TNTS PPS
UniRef90_B0G3M8	S A P A K D E E T P T F I M G I	NHYSKDMS	V V S N A S C T	T N C L A P I C
UniRef90_C7RSQ3 UniRef90_A0Z4E3	SAPTKDADTI VIYGVNDG	GTLTNEHR	VISNAS <mark>C</mark> T	TNCLAPVV
UniRef90_UPI0004786826	SAPSPDIK MIVED TO LECTRO	NILTGKEK	IISNAS <mark>C</mark> T	T N C L A P MV
UniRef90_F7ZF10 UniRef90_UPI000402D485	SVPDEDIKMVVFGINH	IETLTPEDH	V V S N G S C T	T N N A A P MI
UniDat00_V1DOC1	TVPTKDQCDLVCGVND	E H L K P E H L	CVSNAŠČŤ	TNCLAPIA
UniRef90_UPI00046E761A UniRef90_A0A023D6J4	S G P K E V D A T I V Y G V N H S A P S K G I K T I V F N V N H T V P T K D V C D N V W M G V N E S A P S S D D A D R T V V M G V N E S A P A S S D A D R T V V M G V N N S A P A S S D A D R T V V M G V N N S A P A K V K T I V M G V N N H S A P A G K V D K T I V Y G V N N H S A P A G K V D K T I V Y G V N N H S A P A K D E E T P T F I M G I A A P S S D D A D T I V Y G V N N H S A P A K D E E T P T F G I W G V S A P A K D E D I K M V V F G I V N S A P A K N V D R T V V G V N N S A P A K N V D R T V V G V N N S A P A K N V D R T V V G V N N S A P A K N V D R T I V Y G V N N S A P A A D D D I N V V M G V N N D S A P A A D D D A T I I V Y G V N N S A P A A D D D A T I I V Y G V N N S A P A A D D D G D I N V V M G V N N D S A P A A D D D G D I N V V M G V N N D S A P A A D D D G D I N V V M G V N N D S A P P K D V D B D I N V V M G V N N D S A P P K B D D B D R M F V V G G V N N S A P P K G D V D R T I V Y G G V N N S A P P K G D D D R M F V V G G V N N S A P P K G D D D R M F V V G G V N N S A P P K G D D R N I V M G V N N D S A P P S S D D A P M F V V G G V N N S A P P S S D D A P M F V V G G V N N S A P P S S D D A P M F V V G G V N N S A P P S S D D A P M F V V G G V N N S A P S S D D A P M F V V G G V N N S A P S S D D A P M F V V G G V N N S A P S S D D A P M F V V G G V N N S A P S S D D A P M F V V G G V N N S A P S S D D A P M F V V G G V N S A P S S D D S M F V V G G V N S	JN D H K I J D H K I I A M L T K D M T I	VISNASCT	T N C L A P V A
UniRef90_UPI0003735578	SAPADVDKTIVYGVNH	RSLTEKDK	I V S N G S C T	TNCLAPLA
UniRef90_UPI000468DB9D UniRef90_A9KPG0	SAPADDI PMVVLGVN SAPADDI PTVVFSVNF	I D D Q I D K S P	I L S N A S C T	INNIAPMI TNCIAPMA
UniRef90_M5TLV0	Ă A P V K D G A L N V V C N D H	LYDPQTNH	I V T A A S C T	TNCLAPVV
UniRef90_Q76EG3 UniRef90_I1YK01	SAPPKDVPII YVVGVNH	K E Y K A T D T	V V S N A S C T	T N C L A P L T
UniRef90_F4B2T3	S V P D E D I P M I V M G V N D	HELKDSDT	I I S N A S C T	T N N A A P M V
UniRef90_D3S9Z9	A A P V K D E N V V M G V N D A	AYDPARHR	V V T A A S C T	T N C L A P L V
UniRef90_UPI0003B2E1CC UniRef90_UPI0003499A5B	A A P V K E E A L NI V M N D H	LYNPEKHH	LLTAASCT	TNCLAPVV
UniRef90_R4VVU6	SAPPKGEKETVVYGVN	HDEYDGQD	VVSNAŠČŤ	TNSISPVĀ
UniRef90_Q0FGE6 UniRef90_R4UKJ1	SAPSADAPMEN VIGIVINI	NILKSNDL FSYDPSIK	I VISNGS <mark>C</mark> T VISNASCT	INCLAPIA TNCLAPIA
UniRef90_I3C5M3	AVPPSDDKMVVLGVNE	NILDGTED	IISNASCT	TNNAAPMI
UniRef90_Q00301 UniRef90_F2LX78	SAPSSDAPMFVCGVNL	JD A Y D P K H T	VISNAS <mark>C</mark> T	T N C L A P L A
UniRef90_F2LX76 UniRef90_A1U6T7	TAPSGAKNIVLIGVNEH	I DPANDR	<u>I</u> ITAAS <mark>C</mark> T	T N C L A P V V
UniRef90_UPI00041816CA	SAPGKVDRTVVEGVNH	DKLRASDK	MISNGSCT	T N C L A P L A
UniRef90_K2L7J9 UniRef90_UPI0003750526	AAPVKEGALNI VYGVN AAPVKEGVKNVIMGVN	IDHIDEEDD IDXDAYIIHH	LLIAAS <mark>C</mark> T	T N C L A P V I
10.00_01 100001		· - · · · · · · · · · · · · · · · · ·	- / · · · · · · · · · · · · · · · · · ·	

UniRef90_UPI0003F8E080 UniRef90_Q5HF86	240
UniRef90_D8ILT9 UniRef90_I3DF40 UniRef90_O04106	A A Q N T I P H S T G A A K A I G L V V P E L N G K L D G H A Q R V P V I T G S A A A N I V P N T T G A A K A I G L V I P E L K G K L D G A A Q R V P V I T G S A S F N I I P S S T G A A K A V G K V L P A L N G K L T G M A F R V P T V D V S
UniRef90_E6W9Y3 UniRef90_T0JFM8 UniRef90_A3YWI8	A A E N V I P H T T G A A K A I G L V I P A L S G K L K G H A Q R V P V K T G S G A I N M I P T T T G A A K A I G L V L P Q L V G K L H G Q S V R V P T P N V S A I N I V P T S T G A A K A V A L V Y P P M K G K L N G I A M R V P T P N V S
UniRef90_A2SJK6 UniRef90_UPI000262CA79	ATQSMIPTKTGAAAAVGLVLPELAGRLDGFAVRVPTINVS AGHSMIPTQTGAAAAVGLVLPHLNGRLDGMAVRVPTINVS AALNIVPTSTGAAKAVSLVLPKLKGKLNGLALRVPTPNVS
UniRef90_Q20FB4 UniRef90_S2LCF5 UniRef90_UPl000467284D	A A E NI V P N T T G A A K A I G L V I P E L N G K L D G A A Q R V P V P T G S A A N N L V P N S T G A A K A I G K V I P E L E G K L D G S A Q R V P V P T G S
UniRef90_A0A010PER2 UniRef90_R6YLU2 UniRef90_F3L362	A A V N M V P T S T G A A A A I G A V I P E V D G K L D G Y A L R V P V I T G S A A S N I V P N S T G A A K A I G L V I P E L N G K L D G T A Q R V P V V T G S A A L S M I P T K T G A A A A I G L V V P E L N G R L D G M A V R V P T L N V S
UniRef90_C6XFH4 UniRef90_J9P980 UniRef90_H3NX72	A A S M P T S T G A A K A E L V L P N L K G K L D G S S R V P T P N V S A S Q N T I P A S T G A T R A I K V I P E L N G K L T G I A F F V P T A N M S A T H S M I P T K T G A A A A I G L V L P Q L K G R L D G L A V R V P T I N V S
UniRef90_L0B5B6 UniRef90_UPI00038133CD UniRef90_G4CM63	A T M N M I P T K T G A A A A V G L V L P D L K G K L D G Y S I R V P T I N V S A A L S M V P T T T G A A R A I E K V I P D L S G K L E G V A V R V P V P N V S A A Q N I V P N S T G A A K A I G L V I P E L K G K L D G A A Q R V P V A T G S
UniRef90_A9RIU5 UniRef90_UPI00040F370A UniRef90_L1M2Q6	A A L N I V P T S T G A A K A V A L V L P N L K G K I N G I A L R V P T P N V S A A E N I V P T S T G A S I A A G Q A L P A I A G V F G G L S L R V P T P V V S A T Q S M I P S K T G A A E A V G L V L P E L A G K L T G M A V R V P V I N V S
UniRef90_Q6WEV5 UniRef90_K9EX01 UniRef90_C1E4R4	A A A NII I PS S T G A A K A V A K C Y P A S K G K L T G M A F R V P T I D V S A I N I V P T S T G A A K A V A L V I P D M K G K L N G I A M R V P T P N V S G L T N L A P T S T G S A T A I A L I F P E L K G K L N G M A V R V P L L N G S
UniRef90_UPI0002F66B8C UniRef90_UPI00046A718B	T N M S L I P T T T G S A T A I G L I Y P E L N G K L N G L A V R V P L L N A S A A L S M I P T T T G A A E T L G V V L P H L D G L I T G T A L R V P T P N V S
UniRef90_Q6QWP2 UniRef90_F7WZB6 UniRef90_I3YSK2	A Q Q N I I P A S T G A A K A V G K V I P D L N G K L T G M A F R V P T P D V S V L Q N I I P A S T G A A Q A V G K I L P E L Y G K I T G L A F R I P V A N V S A G Q S L V P T T T G A A K A L T K I F P E L S N V I G G C G I R V P V P N G S
UniRef90_G2I1U0 UniRef90_R6E1C8 UniRef90_Q5N025	A A L N M I P T S T G A A R A V G L V L P H L K G K L D G T A L R V P T P N V S V F G N V I P S T T G A A K A V G L V I P S L K G K M T G I S Y R V P T A D V S A G Q S L I P T S T G S A T A I G L I F P E L Q G K L D G L A V R V P L L N A S
UniRef90_E6U7L7 UniRef90_W0GV94 UniRef90_Q2SQ86	A A A N T I P H T T G A A K A I G L V I P E L N G R L Q G H A Q R V P V I D G S A A L N M V P T T T G A A K A V A L V Y P E V K G K L T G F A M R V P T P N V S A G L S M I P T R T G A A R A I G K V L P G L E G R L T G M A V R V P T A N V S G A A N I V P N S T G A A K A I G L V I P E L N G K L D G A A Q R V P V P T G S
UniRef90_P0C0G6 UniRef90_T0P0P1 UniRef90_G9I121	G A A N V P N S T G A A K A G V P E N G K D G A A Q R V P V P T G S A S S S I P T T T G A A K A T N V F T H L E G K G G A G R V P V L N G S A A L N V P T T T G A A K A V A L V C P E V K G K N G A R V P T P T V S A A E S V P T S T G A A K A T R F F E E G R G G A G R V P V P D G S
UniRef90_G8R6J2 UniRef90_T1KWW3 UniRef90_W5P448	A A E S V P T S T G A A K A T R F P E E G R G G A G R V P V P D G S A F Q N I P A A T G A A K A V G K V I P D L N G K L T G M A F R V P V P D V S A H Q N I P A S T G A A K A V G K V I P D L K G K L T G M A F R V P T P D V S
UniRef90_K9SQ08 UniRef90_C2ETG1 UniRef90_H6L8H5	S S L S L I P T S T G S A T A I G L I Y P E L N G K L N G L A V R V A L L N A S A A V N T I P H S S G A A K A I G L V I P E L N G K L S G H A Q R V A V P T G S A A L N I V P T S T G A A N A V Q L V L P E L K G K I S A A A M R V P V P T G S
UniRef90_Q31BG0 UniRef90_H8XVU3 UniRef90_Q1YRK3	CMQSLIPTTTGSAKAIAEIFPELKGKLNGHAVRVPLLNGS AAQSLVPTTTGAAKALTKIFPELEGKIGGCGIRVPVPDGS ATOSMIPTKTGAAKALTKIFPELEGKIGGCGIRVPVPDGS
UniRef90_UPI000258DA70 UniRef90_R5LIP1	GLQNII PTSSGAAKSLDKI IPELKGKI SAIAFRVPIPNVS CAANI VPASTGAASALGKVCPNLEGKLAGVAMRVPVPTGS
UniRef90_UPI00046787D1 UniRef90_UPI00036940EB UniRef90_U4KPR9	A A L S MI P T K T G A A T S I G L V I P E V K G K L T G M S P R V P T N N V S A A A S I I P S S T G A A A A V G K V L P H L N G H L D G T A L R V P T L T G S
UniRef90_A0SNX1 UniRef90_UPI0004131850 UniRef90_O83816	A A M N I I P T T T G A A K A V A E C L P V L K G K L D G F A L R V P V V I G S A A L S M I P T S T G A A K A I G L V L P H L K G R L D G L A V R V P T P D V S A A V N I I P S T T G A A K A V G E V L P S T R G K L T G M A F R V P T P T G S
UniRef90_B9ZZR2 UniRef90_Q8L6U2 UniRef90_Q0FG85	A GN NI I P S S I G A A K A V G K V I P E L N G K L I G M A F R V P I A D V S A L G N V I P T S T G A A R A V G K V Y P K L E G K I T G L A Y R V P L A V V S A A M S M I P T S T G A A K A V S L V L P E L A G K L D G S A I R V P T P N V S
UniRef90_G3RNY9 UniRef90_B0G3M8 UniRef90_C7RSQ3	A L K N I
UniRef90_A0Z4E3 UniRef90_UPI0004786826 UniRef90_F7ZF10	A G Q S MI
UniRef90_UPI000402D485 UniRef90_A1BQS4 UniRef90_UPI00046E761A	A A Q S V P T T T G A A K A T S F P E
UniRef90_A0A023D6J4 UniRef90_UPI0003735578 UniRef90_UPI000468DB9D	A S L N M I P T S T G A A R A I G L V L P H L K G R L D G T S I R V P T P N V S A S S M I P T S T G A A R A L G K V L P E L H G K L D G T A L R V P T P N V S A S S S L L P T T T G A A K A L T H L E P E L D G R L G G A G L R V P V L N G S
UniRef90_A9KPG0 UniRef90_M5TLV0 UniRef90_Q76EG3	A A CNI VPN STGA A KAI GLVIPDLA GKLDGA A QRVPVPTGS CLNSLIPTTTGSA KAI TMI YPELQGKLNGLA VRIPLLNAS A SONI IPSSTGA A KAVGKVIPAVNGKLTGMA FRVPTDDVS
UniRef90_11YK01 UniRef90_F4B2T3 UniRef90_D3S9Z9	CGSSLIPTTGSAKALTAIFPELTGRLNGHAVRVPLTNAS AGQSIVPTTTGAAKALTSIFPHLSDVIGGCGIRVPVPNGS
UniRef90_UPI0003B2E1CC UniRef90_UPI0003499A5B	S G M S L I P T T T G S A T A I A E I F P E L K G R L N G H A V R V P L A N A S C Q S L V P T T T G S A T A I A M I Y P E L K G K L N G I A V R V P M L N A S
UniRef90_R4VVU6 UniRef90_Q0FGE6 UniRef90_R4UKJ1	A A V N T I P H S S G A A K A I G L V I P E L N G K L S G H A Q R V A V P T P T G S C A C R V A V P T P T G S S A K A I A E I I F P E L E G K L N G H A V R V P L L N G S C A A A M R V P L L N G S S A K A I A E I I F P E L E K G K L N G H A V R V P L L N C S S A K A I A E I I F P E L E K G K L N G H A V R V P L L N V P T T T G S S A K A A I A E I I F P E L E K G K L N G H A V R V P T L N V P T D V S S A T A O S M I P T T K T G A A K A L T K L I F P E L L K G K L N G H A V R V P T L N V P T D V S S A T O S M I P T K T G A A A S A L G K V L D P E L L A G K K L D G G L A A F R V P T T N N V G S S A T O S M I P T K T G A A A S A L G K V L D P E L L K G K L D G G L A A F R V P T T N N V G S S A T O S M I P T S T G A A K A L T K V L P E L L N G K L D G G L A A F R V P T T N N V G S S A T O S M I P T S T G A A A K A V A G E V L P E L L N G K L D G G L A A V R V P T T D D V S S A A M N I V P A S T G A A A K A V A G E V L P H L N G K L D G G L A V R V P T T D D V S S A A M N I V P A S T G A A A K A V A G E V L P H L N G K L D G G L A V R V P T T D D V S S A A M N I V P T T T G A A K A A V A G E V L P H L N G K L D G G L A V R V P T T D D V S S A G M N I V P T T T G A A K A A V G K V L P T T T G M A F R V P T T T T T T T T T T T T T T T T T T
UniRef90_I3C5M3 UniRef90_Q00301 UniRef90_F2LX78	VNNNI I PSSTGAAKALII SII FPELISDII GGCGII RVPVPDGS VNNNI I PSSTGAAKAVGKVI PVL NGKLTGLAFRVPTLDVS AAANI I PTTTGAALAVGLVI PSLKGKLDGI SI RVPTPNVS
UniRef90_A1U6T7 UniRef90_UPI00041816CA UniRef90_K2L7J9	CGSSLIPTSTGSATAII LEIIFPELKGKLDGHAVRIPLINAS AAMAMIPTSTGAAKALGEVLPGLKGKLDGSAIRVPTPNVS SLQSLIPTSTGSATAIITMIYPELAGKLNGIAVRVPLLNAS
UniRef90_UPI0003750526	SFESILI IPTTTGS A KAII IA DII IFPEILISGRILIN GLIAIVIRIVIP FMN A S

	250 260 270 280
UniRef90_UPI0003F8E080	ILIT D M T II IN II IS T N T T IT E E II IN S IV F K K A S E T Y IL IK G II L IS Y T D E P II
UniRef90_Q5HF86 UniRef90_D8ILT9	L VD L V VD L E K E V T A E E V N Q A F E N A GLEGI I E V E H Q P L L T E L V A T L D K E V T A E E V N E A V K K V T E N N P S F G Y N A D G I
UniRef90_I3DF40 UniRef90_O04106	L TEL VATL DKEVTAEEVNEAVKKVTENNP SFGYNADGI I TEL VTVLEKSVSVEEI NAAMKAAA NESFGYNDEDI VVDLTVRLEKEATYDEI KAAIKEESEGKLKGILGYTEDDV VTEL VSVLDKKVTAAEI NAALKLA CENNESFLYTDDPL
UniRef90_E6W9Y3	VTELVSVLDKKVTAAEINA <u>ALKLA</u> CENNE <u>SFLY</u> TDDPL
UniRef90_T0JFM8 UniRef90_A3YWI8	MV D L N V V V S R K T S K E E V T A V F N E M A E T K L K G L L L I D K E M R V V D L V I E V S R G T T R E E V N A V L K Q A S E N G M K G I I K Y S D L P L
UniRef90_A2SJK6	L VDL VFTAQRDTSVDEVNALMKAAATGPLASVLGYTDEPL
UniRef90_UPI000262CA79 UniRef90_Q20FB4	L V D L T C R L K T Q V S T D E I N Q T L Q K A A L D S P N G I F A V N T L P L V V D L V I N T K K G M T A E E V N A A F R K E A N G A M K G I L A V S D L P L
UniRef90_S2LCF5	LTELFANVEKKÜTÜEEI NEÜMKKAANESYG YTEDPI LTELV <mark>C</mark> SLDKKVSVEEI NKAMKKAENDSFGYNYEML
UniRef90_UPI000467284D UniRef90_A0A010PER2	V V D L T V R L E K E A T Y D E I K A A I K E E S E G K L K G L L T D D V V T E L V S V L D K K V T A A E I N A A L K L A C E N N E S F L Y T D D P L M V D L N V V V S R K T S K E E V T A V F N E M A E T K L K G L L L D K E M R V V D L V I E V S R G T T R E E V N A V L K Q A S E N G M K G I I K Y S D L P L L V D L V F T A Q R D T S V D E V N A L M K A A A T G P L A S V L G Y T D E P L L V D L T C R L K T Q V S T D E I N Q T L Q K A A L D S P N G I F A V N T L P L V V D L V I N T K K G M T A E E V N A A F R K E A N G A M K G L A V S D L P L L T E L F A N V E K K V T V E E I N E V M K K A A N E S Y G T T E D V V N A A F K K A A E G P L K G L A Y N E D P L G T D L T V A I E K E V T A E Q V N A A F K K A A E G P L K G L A Y N E D P L
UniRef90_R6YLU2	I VELT CVLED DVT KEËI NEAFKKAANVT
UniRef90_F3L362 UniRef90_C6XFH4	GTDLTVAILEKEVTAEQVNAAFKKAAEGPLKGILAYNEDPLIVELTCVLEDDVTKEEINEAFKKAANVT LGYTEDEILVDLTFVATRDTTAEEINSIMKQAADADAYGVLSYNAQPLMVDLKCVTSRDVNIDEINATMKYFAEGDLKNILGYVTLPLVLDLICCLEKAAKYNNIRKKLKKASEGPFKGTLLYTEDQV
UniRef90_J9P980	V L D L I C C L E K A A K Y N N I R K K L K K A S E G P F K G T L L Y T E D Q V
UniRef90_H3NX72 UniRef90_L0B5B6	L V D L T F T A S R D T S V E E V N A L L A K A A S A D R L G V L S C N T Q P L L V D L S F V A K R S T S V D E V N E T L R L A S E G Y L K G V L E F N Q D L L
UniRef90_UPI00038133CD	MVDLTVITEKETNAEDIDKKFKTASESSLKGLLGYDEPL
UniRef90_G4CM63 UniRef90_A9RIU5	L T E L V S V L T R P V T V E E I N A T M K A A A S E S Y A Y T E D P I V V D L V V Q V E K K T F A E V N Q A F R D A C Q T E L K G V L A V C D E P L A V C D E P L A V C D E P L A V C D E P L A V C D E D P L A V C D E D D A T M K A A A S E S Y A Y T E D P D T T T T T T T T T
UniRef90_UPI00040F370A UniRef90_L1M2Q6	LSDFVVVTKRDVTVEEVNAAFKEAANKPYQGILAVTEEEL LVDLTVTLARPTTAEDVNALFKEASRGSK ILGYNDLPL
UniRef90_Q6WEV5	V V D L T C R L V K S T T Y D E L K A S V K A A S E G S M K G I L G Y T E D Q V
UniRef90_K9EX01 UniRef90_C1E4R4	
UniRef90_UPI0002F66B8C	LIT DOVE EVARPITIKE EVNSLLFGAANGELKGI LGYE ELPL
UniRef90_UPI00046A718B UniRef90_Q6QWP2	CV D
UniRef90_F7WZB6	V V D F T V K L Q K N V S Y N N V C E A L R L A S K T Y M K D V I G Y V N E E M
UniRef90_I3YSK2 UniRef90_G2I1U0	L T D V T L N V K K E V S I E E I N N A F K K A S E T S L K G I L E Y L E D P I L V S L D F V P K T P S S V E A V N E A V R K A S E S P L K G I L A Y N T A P L A V N T A P L A V N T A P L A V N T A P L A V N T A P L A V N T A P L A V N T A P L A V A T A P L A V A T A P L A V A T A P L A V A T A P L A T A
UniRef90_R6E1C8 UniRef90_Q5N025	V V D L V V Q V E K K T F A E E V N Q A F R D A C Q T E L K G V L A V C D E P L L S D F V V V T K R D V T V E E V N A A F K E A A N K P Y Q G I L A V T E E E L L V D L T V T L A R P T T A E D V N A L F K E A S R G S K I L G Y N D L P L V V D L T C R L V K S T T Y D E L K A S V K A A S E G S M K G I L G Y T E D Q V V V D L V V Q V E K K T L K E E V N E A M K A A A S G S M K G I L G Y T E E P L L T D C V F E V A R E T T V E E V N A L M K E A S N G W L K G V L G Y E E Q P L L T D C V F E V A R P T T K E E V N S L L F G A A N G E L K G I L G Y E E L P L C V D L V V E L N K D V T A Q E V N A A M Q A A A D G P L A G V M G V T D R K L V V D L T C R I K K E A T Y E E I K A A V K S A A E D H W K G I L G Y T E D E V V V D F T V K L Q K N V S Y N N V C E A L R L A S K T Y M K D V I G Y V N E E M L T D V T L N V K K E V S I E E I N N A F K K A S E T S L K G I L E Y I E D P I L V S L D F V P K T P S S V E A V N E A V R K A S E S P L K G I L A Y N T A P L V I D V N V V E L E R E T S V A E V S G L F Q A A S S G S L Q G I L G Y E E R P L V T D A V F E L E R E T S V A E V S G L F Q A A S S G S L Q G I L G Y E E R P L A V D L T F G P S R A A S V D D I K A A I K S A S E N G M K G I I K Y S D L P L A V D L T F G P S R A A S V D D I K A A I K S A S E N G M K G I I K Y S D L P L
UniRef90_E6U7L7	VTELVSILEKHVTVEEVNAAVKKAAKG NESLGYTDEEL
UniRef90_W0GV94 UniRef90_Q2SQ86	AVDLTFGPSRAASVDDIKAALKSASENGMKGTIKYSDLPL LLDLSLQVARHVSAEEINAMMLAASRETP VLEYNDQPL VTELVVTLDKNVSVDEINSAMKAASNDS FGYTEDPI LTDFTCTLTHQPTVAEINAKFKEAAEGELKNVLYYTEDPI
UniRef90_P0C0G6	VTELVVTLDKNVSVDEI NSAMKAASNDS FGYTEDPI
UniRef90_T0P0P1 UniRef90_G9I121	
UniRef90_G8R6J2	L T D I T L T V K K N T T V E E I N T A F K K A S E E P F K G Y L G Y T A D P I
UniRef90_T1KWW3 UniRef90_W5P448	V V D L T C R L K K E A T Y E E I C A V V K A A S E D Q W K G I F G Y V D E F V V V D L T C R L A Q P T P Y S A I K D A I K A A A K G P M A G I L A Y T E D E V
UniRef90_K9SQ08	V V D L T C R L K K E A T Y E E I C A V V K A A S E D Q W K G I F G Y V D E F V V V D L T C R L A Q P T P Y S A I K A A A K G P M A G I L A Y T E D E V L T D C V F E V E R P T T T S E V N A L L K A A A D G E L K D I L G Y E E L P L L T E L V A I L N K K V S V D E V N S A M K K A A E N N P A Y G Y T E D P I L I D L T I L P K N S A S I E E I N A V Y K A A A Q G D F K G I L A Y S E A P L L T D L T I L P K N S A S I E E I N A V Y K A A A Q G D F K G I L A Y S E A P L L T D I T F N V K R E V S I E E I N L A F K K A S E T Y L K G I L G Y E E R P L L T D I T F N V K R E V S I E E I N L A F K K A S Q G T L K S V L C Y N D K P L L C D M T F R V S K P T T Y E E V K D A M K S A S E N E L K D I L G Y T D E D C V V D L V L E L K K N T T V E E V N N A L K A A T N E T L E Y T E D P I V V D L T F IV A K K K T S V K D I N F I K I A A N S E Y F N I I Q Y N T E Q I V N T E Q I V N T E Q I V N T E Q I L K S V L G Y T T E D P I V D L T F IV A K K K T S V K D I N F I K I I A A N S E Y F N I I Q Y N T E Q I V N T E Q I L K S V L G Y T T E D P I V D L T F IV A K K K T S V K D I N F I K I I A A N S E Y F N I I Q Y N T E Q I L V D L T F IV A K K K T S V K D I N F I K I I A A N S E Y F N I I Q Y N T E Q I L V D L T F IV A K K K T S V K D I N F I K I I A A N S E Y F N I I Q Y N T E Q I L V D L T F IV A K K K T S V K D I N F I K I I A A N S E Y F N I I Q Y N T E Q I L V D L T F IV A K K K T S V K D I N F I K I I A A N S E Y F N I I Q Y N T E Q I L V D L T F IV A K K K T S V K D I N F I I K I I A A N S E Y F N I I Q Y N T E Q I L T F IV A K K K T S V K D I N F I K I I A A N S E Y E N I I Q Y N T E Q I L T F IV A K K K T S V K D I N F I I K I I A A N S E Y F N I I Q Y N T E Q I L T F IV A K K K T S V K D I N F I I K I A A N S E Y F N I I Q Y N T E Q I L T F IV A K K K T S V K D I M T T T T A A N S E Y E N I I Q Y N T E Q I T T T T T T T T T T T T T T T T T T
UniRef90_C2ETG1 UniRef90_H6L8H5	L I D L TI L P K N S A S L E E I N A V Y K A A A Q G D F K G I L A Y S E A P L
UniRef90_Q31BG0 UniRef90_H8XVU3	LTDAVFELNKEVTTEQVNMALKEASETYLKGILGYEERPL
UniRef90_Q1YRK3	L VDLT F NAGRETS VEEVNELLLKASQGTLKSVLCYNDKPL
UniRef90_UPI000258DA70 UniRef90_R5LIP1	L C D M T F R V S K P T T Y E E V K D A M K S A S E N E L K D L G Y T D E D C V V D V J E V K N T T V E V N N A K A A T N E T L E Y T E D P V V D V T D D V T D D V T D D V T D D D V T D D D D T T D D D
UniRef90_UPI00046787D1	V V D L T V R T T K A T S Y E E I C A A M K H A S E S Y L D G V L G Y T E D P V
UniRef90_UPI00036940EB UniRef90_U4KPR9	I VDETVEIIKKNVTVEEVNOAFAKASNDT I EYTEDPI
UniRef90_A0SNX1	CVDLTWESRVDVKKEEII NAAIKAAADGPMRGILDYTAEPI
UniRef90_UPI0004131850 UniRef90_O83816	IV VIDILIT FRT FK FT SIVIA DIL IN A MILIKKA S FS YILIR GIV LIQ Y <mark>C</mark> D F DIL
UniRef90_B9ZZR2 UniRef90_Q8L6U2	V V D L T V K L E K P A S Y D D I K A A M L K A S E G P M A G I L G Y T D E Q V L V D F T V V L Q K P V T L S Q L K E V M R A A S E H P Y R G I V G Y T E D A V
UniRef90_Q0FG85	CVDLTEQASRDINIEFINAAVKKVAFISMKGVIDYDPFPK
UniRef90_G3RNY9 UniRef90_B0G3M8	DLTCHPENPAKYDDIKKVLKQAPEGPLKGILSYTEHLG IVDLNVALKESASYKDICKKVKEASMTYLSGILDYVDDEV
UniRef90_C7RSQ3	I VD L NVALKESASYKDI CKKVKEASMTYLSGI L DYVDDEV I TD CVFEMRRPTSVEEVNGL LKAAAEGALKGI L GYEERPL L VD L SFTAARETSVEEI NSLMSKAATEDAFGI L GYNERPL
UniRef90_A0Z4E3 UniRef90_UPI0004786826	L VD L S F T A A R E T S V E E I N S L M S K A A T E D A F G I L G Y N E R P L L T D L L V E I E K E A S V E E I N Q A F E N A S K N Q F K G I L Q V E S D P L
UniRef90_F7ZF10	^ \
UniRef90_UPI000402D485 UniRef90_A1BQS4	LTDITFNVKKDTSIEEINNAFREVSQKQFKNILYYTEDPI CCDLTFVTEKPATKETVNAAIKAASQGAQKGIIEYCDEPI LTDITFNVKKETSIEEINEEFRKASETYLKGILAYTQDPI VVSLDFIPERPVTKEVNAAVAKAAAEGPLKGILDYTEVEL AVDLTFEASIPVTVEDVNSVVEKAALNDMVKVLKYDPEPK
UniRef90_UPI00046E761A UniRef90_A0A023D6J4	LTDIITFNVKKETSIEEINEEFRKASETYLKGILAYTQDPI
UniRef90_UPI0003735578	AVDLT FEASIPUT VEDVNSVVEKAALNDMVKVLKYDPEPK
UniRef90_UPI000468DB9D UniRef90_A9KPG0	TTELVALVINKKVILEEN NAARKAAAS
UniRef90_M5TLV0	L T D C V F E V K K G T N V E E V N G L L R E A A G N S L K G I L G F E S K P L
UniRef90_Q76EG3 UniRef90_I1YK01	V V D L T C R L E K P A K Y D E I V A A V K E Y A A G D M K G V L D W T D E E V L T D C V F E V E K K T T V S A V N G Y L K Q A A E T N L N G I L G Y E T R P L
UniRef90_F4B2T3	I T D I T E N V K P D T S I T K I N E A M P K A S I C P E K C I I I S V T E D D I
UniRef90_D3S9Z9 UniRef90_UPI0003B2E1CC	L T D F T F E A A R E T S A E E V N A L L R E A A N G D L N G I L G Y E E R P L L T D C V F E V E R A T T A A E V N A L L K A A A D G P L K D I L G Y E E R P L L T D C V F E V D R K T T V A E V N A L L K E A S E A E L K D I L G Y E E L P L I T D F V V S L E A D V T E S E V N A A L E R A A G G E L E G V L G Y T E D E V L V D L S Y I P N R S V S L E E I D A S L K A A S E G R M N G I L N F E T E P K
UniRef90_UPI0003499A5B UniRef90_R4VVU6	LTDCVFEVDRKTTVAEVNALLKEASEAELKDILGYEELPL IITDFVVSLEADVTESEVNAALERAAGGELEGVLGYTEDEV
UniRef90_Q0FGE6	L V D L S Y L P N R S V S L E E L D A S L K A A S E G R M N G L N F E T E P K
UniRef90_R4UKJ1 UniRef90_I3C5M3	
UniRef90_Q00301	V V D L V V R L A K P T S Y E E I K T A F K E A S E S E L K G I V A Y T E D A V
UniRef90_F2LX78 UniRef90_A1U6T7	LTDITENVKKETSIEAVNNAFKDASNSSLKNILDYTEDPI VVDLVVRLAKPTSYEEIKTAFKEASESELKGIVAYTEDAV LVDLVVEVEKQTDIETVNKAVKEASETYMKDIMQYLDEPV LTDCVFEVETPTDRDTVNQLLKEAAEGQLKDILGYEERPL
UniRef90_UPI00041816CA	AVDLTFVAKRDVTETEVNEAVARAATGAMRGVLAYDPEPK
UniRef90_K2L7J9 UniRef90_UPI0003750526	AVDLTFVAKRDVTETEVNEAVARAATGAMRGVLAYDPEPK LTDCVFEVACDTDFETVNNLLRTASETYLAGILGYEERPL LTDLVMEVERPTTAEEVNALFKEAAEGELKGILGFEERPL
J 10100_01 100001 00020	1-1 1- 1 m - 1

	290 300 310 320
UniRef90_UPI0003F8E080	V S D G D S H S C V F D S M T S V G G C K L G WY D N E G Y S
UniRef90_Q5HF86 UniRef90_D8ILT9	V S V D F N T N P N S A I I D A K S T M V M S G N K V K V I A W Y D N E W G Y S V S S D I I G T T F G S V F D P T Q T Q V V D G Q V V K V V A W Y D N E Y G F T
UniRef90_I3DF40	V S S D I I G T T F G S V F D P T Q T Q V V D G Q V V K V V A WY D N E Y G F T V S S D V I G C R F G S L F D A T Q T R V M D K Q L V K T V S WY D N E M S Y T
UniRef90_O04106 UniRef90_E6W9Y3	V S T D F V G D N R P S I F D A K A G L A L S K N F V K L V A W Y D N E W G Y S V S S D V V G L P F G S I F D A T Q T E I S D L Q L V K T V S W Y D N E Y G F V
UniRef90_T0JFM8	V SQDF <u>V</u> G <mark>C</mark> QYSS I
UniRef90_A3YWI8 UniRef90_A2SJK6	V S
UniRef90_UPI000262CA79	VIS Q D F N H N P A S S I VD L N H T K V L G G L T K V L S W Y D N E W G F S
UniRef90_Q20FB4 UniRef90_S2LCF5	VISILIDE B C S DIVIS C T IL ID S S IL IT MIVIM C D D MIVIK IV VIA W V D N E W C V S
UniRef90_UPI000467284D	VISSDIVI I GITYYG SILIFDATQTKIVI DIVN GIVIKIV VIA WYD N E M SYT
UniRef90_A0A010PER2	V SSD IV GDPHST IFDAPLITKVLGKT V K V EGWYDNEYGYS
UniRef90_R6YLU2 UniRef90_F3L362	VISII ID F N H T N F S S N F D S N H T R I V ID G R IL V IK IV L IA W Y D N E W G F S
UniRef90_C6XFH4	VISIVIDENHTSYSSILIEAADOTKIVVISONILLIRIVLVIWYDNEWGES
UniRef90_J9P980 UniRef90_H3NX72	VSCNFNNNTCSSTFSARACFSLNDH VKFISWYDNEFDYG VSADFNHNAFSSNFDANHTR VSGRLVKVLSWYDNEWGFS
UniRef90_L0B5B6	VISSIDYNHNPASSILIF <u>D</u> STILITK <u>IVI</u> SGRILVIKIVIFSWYDNEWGFS
UniRef90_UPI00038133CD UniRef90_G4CM63	V S V D M N H N P N S S S F L R E H A Y V S H A N L V R V M A W Y D N E W G F S V S S D V I G L E A G S M F D A T Q T K V M D K Q L V K T V A W Y D N E M S Y T
UniRef90_A9RIU5	V S V D F R C I D V S S I V D S S L I M V M G D D M V K V V A W Y D N E W G Y S
UniRef90_UPI00040F370A UniRef90_L1M2Q6	V S S D F K G N S H S A V D L P L T S V V G G N L L K V V A W Y D N E W G Y S V S C D F N H N P L S S F D A N H T K A S
UniRef90_Q6WEV5	V S C) D E IV IG S E M S T T E D A G A G II IMII IN P N E IV IK II T IS WYY D N E W G Y S
UniRef90_K9EX01 UniRef90_C1E4R4	V S I D Y R K T D E S S I V D S S I T L V M D G D M V K V V A W Y D N E W G Y S V S T D Y I N D E R S G I V D A L S T M V V D K T H L K M Y V W Y D N E Y G Y S V S I D Y K D D P R S S I L D A L S T M V V D Q T Q V K I L A W Y D N E W G Y A
UniRef90_UPI0002F66B8C	V S I D Y K D D P R S S I I D A L S T M V V D Q T Q V K I L A WY D N E WG Y A
UniRef90_UPI00046A718B UniRef90_Q6QWP2	V S L D F N H D P R S T I F A S D Q T S V Q Q G N L L R V L A W Y D N E WA F S V S S D F L G D S H S S I F D A K A G I S L N N N F V K L I A
UniRef90_F7WZB6	IVIS S D F N G S HILIT SILIF DIVIK A GILISILIN N N F M KILILIA WY D N F T G Y S
UniRef90_I3YSK2 UniRef90_G2I1U0	VSTDT VGNPHSCIFDAEMTS VIGKMVKIIGWYDNEIGYS VSTDFNHSLASSTFDATQTAVIDGRLVRICSWYDNEWGFS
UniRef90_R6E1C8	VIS G D F IVIG D P C T S II IF D S R Q T II IF II IN D H F F K II I IA Y Y D N F F G Y S
UniRef90_Q5N025 UniRef90_E6U7L7	V S V D Y R G D A R S A I V D A L S T R V I N G T Q V K V L A WY D N E W G Y S V S S D L I G T N F G S V F D A T Q T E V S T Y R D V K T V A WY D N E H G F T
UniRef90_W0GV94	V S T D Y A G T N E S T F D A D L T Y A M G D K A V K L A W Y D N E W G Y S
UniRef90_Q2SQ86 UniRef90_P0C0G6	V S T D F T H S T A S A I F D A N H T Q S H E G M V K V L A WY D N E W G F S V S S D I V G V S Y G S L F D A T Q T K V M E S Q L V K V V S WY D N E M S Y T
UniRef90_T0P0P1	VSVDIINNPYS CVFDSELTSIV GGLVKVVGWYDNEFGYS
UniRef90_G9I121	V S V D I I N N P Y S C V F D S E T T S I V G G L V K V V G W Y D N E F G Y S V S L D F K G T F Q S S T I D A S L T M V M G D D M V K V V A W Y D N E W V S R D V I G S P Y S V W F D E G L T S V L G N M V K V V G W Y D N E M G Y S
UniRef90_G8R6J2 UniRef90_T1KWW3	V S R D V
UniRef90_W5P448	V S <u>T</u> D F L S D S <mark>H</mark> S S I F D A <u>K</u> A G <u>I A</u> L N D N F V K L I S W Y D N E Y G Y S
UniRef90_K9SQ08 UniRef90_C2ETG1	V S D Y K D D P R S A V D A L S T M V V D Q T Q V K L A W Y D N E W G Y A V S S D I G S T F G S V F D P S Q T E M E G Q L V K T V A W Y D N E N G F T
UniRef90_H6L8H5	V S S D I I G S T F G S V F D P S Q T E I M E G Q L V K T V A W Y D N E N G F T V S S D I V G N P H S C I F D A P L T S Q Q G P L V R L V A W Y D N E S G Y A V S A D Y V N D S R S S I V D S L S T M V V N S N L L K I Y A W Y D N E W G Y S
UniRef90_Q31BG0 UniRef90_H8XVU3	
UniRef90_Q1YRK3	VSVDFNHTPFSCNFDATQTR VNGSLVKVMAWYDNEWGFS
UniRef90_UPI000258DA70 UniRef90_R5LIP1	V S V D F N H T P F S C N F D A T Q T R V N G S L V K V M A W Y D N E W G F S V S D F N N T S Y S C I F D S K A G I P Q T S T F I K I V A W Y D N E Y G Y A V S S D V I G R R A G S V V D G L S T N I L E K Q M L K V V A W Y D N E M G Y T
UniRef90_UPI00046787D1	VIS R D F IL IK D S R S S II IF D A S A GII IGIL IN S R F F K IL I IS W Y D N E W G Y A
UniRef90_UPI00036940EB UniRef90_U4KPR9	V S
UniRef90_A0SNX1	V S S D I V G C Q A S S I F D G L S T M V I G K R L V K I L S W Y D N E W G Y S V S A D L V G R T A S T L Y D P Y L T K V L G P R L V K V F A W Y D N E F G Y A
UniRef90_UPI0004131850 UniRef90_083816	VIS A DIV LIH N Q Y S SILIY D S R A TILIQ N N K R F F KIV VIS WY D N F W G Y S
UniRef90_B9ZZR2	V S M D F A R D P R S S I F D S E A G I S L N P Q F V K L V S
UniRef90_Q8L6U2 UniRef90_Q0FG85	V A T D M A H S A F S T V F D A E A S V L S P T F V K I V A W Y D N E W G W S D F N H D T H S S N F A P A Q T K V L N N R L V R V L S W Y D N E W G F S W Y D N E W G F S W Y D N E W G F S W Y D N E W G F S W Y D N E W G W G
UniRef90_G3RNY9	V S D F N H D T H S S N F A P A Q T K V L N N R L V R V L S W Y D N E W G F S V S S D F S E N H S S T F H D G A S T A L N D H F V R L N S W Y D N E S G Y L V S S D F G D S H A S I F D A R Q G I Q V N S H F F K V L C F Y D N E W G Y T
UniRef90_B0G3M8 UniRef90_C7RSQ3	VISMDYAGDPRSSII VIDAAH LILVI INGI MIVIKII IYAWYDNEWGYA
UniRef90_A0Z4E3	VISIVID F N H D S H S A N F D A N H T R IVIA G S II V K IV I IA W Y D N F W G F S
UniRef90_UPI0004786826 UniRef90_F7ZF10	VSVDFNHTEHS <mark>C</mark> IFAPDQTKVVGGRTVRVMAWYDNEWAFS
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UniRef90_A1BQS4 UniRef90_UPI00046E761A	VISIVIDII I IGNTHS <mark>C</mark> IVIFDSILIMTS IVIIGKMIVIKII I IGWYDNEII IGYS
UniRef90_A0A023D6J4	V S <u>S D</u> F N H H <u> </u>
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UniRef90_A9KPG0	V S S D V I G I R Y G S L F D A T Q T K V T E K T L V K I V S W Y D N E N S Y T
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UniRef90_I1YK01	V Š T D Y K G D S R Š Š I V D A L S T M V I NE T Q V K I Y T WY D N E WG Y A
UniRef90_F4B2T3 UniRef90_D3S9Z9	V S L D L V G N P Y S
UniRef90_UPI0003B2E1CC	VISIT DYRT DPRSSI I DALSTLVVNGT QVKL TAWY DNEWGYA
UniRef90_UPI0003499A5B UniRef90_R4VVU6	VISIDIT VIGEPYSSI VIDAFSTMIVIDDI QIVIKIT LIAWYDNE WGYS
UniRef90_Q0FGE6	V S D F R T D P H S S I V D A Q S T M V V D G T Q V K V L A WY D N E W G Y A V S I D Y R T D P R S S I I D A L S T L V V N G T Q V K L Y A WY D N E W G Y A V S I D Y K D D P R S S I I D A P S T M V I D D T Q V K I L A WY D N E W G Y S V S S D L V G E P Y S S L V D A E S T M V M G N Q V K V L A WY D N E F G F A V S L D Y N H T T T S S N Y A Q P Q T A V T D G G L V R V V S WY D N E W G F S
UniRef90_R4UKJ1 UniRef90_I3C5M3	VSVDLINSPYS <mark>C</mark> TFDSQMT <u>S</u> VIGKMVKIIGWYDNEYGYS
UniRef90_Q00301	VIS T D F II IG H H A S S II IF D A T G G II IMII IN D S F IV IK II I IA
UniRef90_F2LX78 UniRef90_A1U6T7	V S S D L N G N P H S S M F D S L E T M V I D G K L I K V L S W Y D N E W G Y S V S L D Y K T D P R S S L V D A L S T L V V N G T H V K I Y A W Y D N E W G Y A
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UniRef90_K2L7J9 UniRef90_UPI0003750526	V S I D F N H T E E S S I F A P D Q T K V T G K R L V R V L A W Y D N E WG F S V S C D Y L N D P R S S I I D A G S T M V I D K R Q V K I F A W Y D N E WG Y V V S V D F E G E R R S S V I D A P S T M V I N D T Q V K V Y A W Y D N E L G Y V
Jim (0100_01 10003/30020	VIOLVIE I E OEKKOOLVI IPAT OI WIVI INDI QIVIKIVITAWI DINEI GIV

UniRef90_UPI0003F8E080	S R L K D L I S F V A K K N R V V D V A E Q L G S K E S Q M I R T L E K F A S S Q L I R T L G A V T K T R V V D L I I H M S S T Q L V R V L H K F S S K Q R V V D L A E L V A K N R M L D T A L A M A N R M L D T L S W M A Q R V V D L A D L V A Q R V V D L A D L V A A Q L I R T L V L V G S R L V D M T A H V G S Q M I R T A K Y L N R M L D T A S A M A N
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UniRef90_U4KPR9 UniRef90_A0SNX1 UniRef90_UPI0004131850	É Ř V V D L M K F
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J 10100_01 100020	~

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UniRef90_A6VWE5 UniRef90_F2QH22	I KVGI NGFGRMGRLSFRAAFDWDDI EFVQI NDLKGDAA AKI KI GI NGFGRI GRL VARVAL QRDDVEL VAVNDPFI TTD
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UniRef90_B2GH84 UniRef90_UPI00047AF071	VKVAINGFGRIGR <mark>C</mark> FARALYTHHGHDILVAVNDLTAPE VKVAVNGTGRIGL <mark>CVC</mark> KLLSERTDLELVAL NT <u>T</u> MPLD
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UniRef90_UPI0003715D25 UniRef90_A9B834	
UniRef90_UPI0002625986 UniRef90_Q18KC9	N DI DVGI N GEGDI GREVI I DAN LITARGO DI VIGIVI DVA SA I
UniRef90_C5J6X4 UniRef90_D0I4N9	KIAINGFGRIGREVLRRIFEIKDRNIVVAINDETDVK LRVAINGFGRIGRSVLRALYESDKRDQVVAVNELAEPD VGINGFGRIGRALFRLCLERDDLNLVAVNHTAASIE IKVAINGFGRIGRALFRLCLERDDLNLVAVNHTAASIE
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UniRef90_UPI0003D0C8A6 UniRef90_UPI00042919FB	VKVRVNGFGMLGXLVTRAALLSDKVNI AMNDPFADIS I KVGI NGFGRI GRLVMRASFDWPELEFVQI NDVAGDAK
UniRef90_K2AIZ7	LKLAI NGFGRLGR <u>S</u> V <u>F</u> KAALERS <u>HEVDVVAV</u> NDLTDAK
UniRef90_UPI0003612D8C UniRef90_A3YD42	LRVAI NGYGRIIGRSVLRALYEYRDQLQVVAI NELSDLE
UniRef90_H3SHG9 UniRef90_D3ZW51	MKILIGIVIN R F D <mark>C</mark> ILIG HIL VIT R A IVIE Y A S G K IVIEIVIA ILIK D P F ILID N
UniRef90_B4RWC5 UniRef90_H3NBS5	VNI AI NGFGRI GRNV LRALIYESGRNNNV VAI NDI AKPE KI AI NGFGRI GRLALRRI LESSNELEV VAI NDLT DI D VKI AI NGFGRI GRLALRSI VESGRSDVI VAI NGPGSLE
UniRef90_K7STJ6 UniRef90_F3YW60	STIRIGINGFGRIGRQTLRAIQERYRMQVVAINDLHG AK
UniRef90_E3H664 UniRef90_UPI000363C9A5	STIRIGINGFGRIGRQTLRAIQERYRMQVVAINDLHG AKVKVAINGFGRIGRLAFRLMFDSPEFELVAIND LTDAEVKIGINGFGRIGRLALRASFDWADVEFVQINDAAGDAE
UniRef90_M5J8Z7 UniRef90_Q1YUK7	VKI GI NGFGRI GRLAFRRILELKDIEVVAI ND LTNPA I KI AI NGFGRI GRLALRAAWHRDDYQI VQI NELAGDAS
UniRef90_R6DPI0 UniRef90_W9E2I8	
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UniRef90_F6VAC7 UniRef90_A1S9A4	<u>I RVALNGYGRIGRSVL</u> RALYESRGQMQ <u>LVALNELIAK</u> PE
UniRef90_F8QMS9 UniRef90_U7UFY5	N D P F II DLLQ
UniRef90_C5BAU7 UniRef90_A4CPC3	I RI AI N G F G RI G R N V L R A L Y E S G R Q T Q V V AI N E L A A A E K I T I G I N G F G R I G R T L Y R L L E P V P H L D V V L V N D L A D S R K L R V G L N G F G R L G R L A F R L A F E S D R L E F V H V N E G V G S G E
UniRef90_K8EC93 UniRef90_Q56RF1	IV VIAIVIN D P F II IDIVIN
UniRef90_H5SJJ3 UniRef90_H0IZB7	I R V A L N G F G R T A R A F F R I A R K D P Q I E I V A I N V R S Q T P E
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UniRef90_UF100040633E3 UniRef90_R7MDX4 UniRef90_J7SKQ7	I KVAI NGFGRI GRCAL RQI SKRKDMEVVIAI ND LITDPLIKI KI AI NGFGRI GRSVLRAL YETGRNT QVVAI NELADSE
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UniRef90_F3YW60 UniRef90_E3H664 UniRef90_UPI000363C9A5 UniRef90_M5J8Z7 UniRef90_Q1YUK7 UniRef90_R6DPI0 UniRef90_W9E2I8 UniRef90_A6Q9K8 UniRef90_G3GZ97 UniRef90_L9L6B7 UniRef90_U9NET2	T MAHL LEHDT CFGRPS WAV GLDGS DVI I GEWRI RGLSERE T LAYL LKYDTAQGRYKSDI EAIEGGI KVDGKEL KIYAERD ALAHL LEFDSI QGRWHHQVN CDGDDGI I VN GKTRI KCTSERN MLAYL LKYDSTHGTLDAEVSADEDGI I VN GKKI RVYAERN AAAHL LKYDSVHGTWDKAVSSEDANL CI DGQTVRYTQNTN MLAHL LKYDSSQGAYRGEVVICDENSI SVDGHKI PVYKEAD T T S KLI KYDSSIHGKLNADLDFDLNHLI I N KN KI T F S QET K D A AYLL KYDSVHGRADFDI GTEEKKLI I DGHEI AI VSSHD CMVYMFQYDSTHGKFNGTI KTKNRKLI I N WKSI TI F QERD YFAYQMKFDSVHGKFNGTI KTKNRKLI I N WKSI TI F QERD YFAYQMKFDSVHGKFNGTI KTKNRKLI I N WKSI TI F QERD YFAYQMKFDSVHGKFNGTI KTKNRKLI I EGQRI EVLSEAN CMVYMLQYDSTH RFNGTFKAENKKLVVNGKPI I I F QDRD TIAHL KYDTVHGKWDRDI KVEPNALI I EGQRI EVLSEAN YAAYML KYDSQHGQFKGTI EVKSBN
UniRef90_M3WXP9 UniRef90_UPI00035D0694 UniRef90_B3GAT0 UniRef90_G5APS2 UniRef90_R7IQH4 UniRef90_UPI0003B356BD UniRef90_F6VAC7 UniRef90_A1S9A4 UniRef90_F8QMS9 UniRef90_U7UFY5 UniRef90_C5BAU7	MLADLLKYDTAQGGY <mark>C</mark> GKIDDEANTITVDGKTLTIYKEAD MLAHLLKYDSSQGRYDVTADDEAGTITVKGKTIKIYKEPD YMVYMFQYDSTHGKFHGTVKAENGKPINGNPITIFQERD
UniRef90_A4CPC3 UniRef90_K8EC93 UniRef90_Q56RF1 UniRef90_H5SJJ3 UniRef90_H0IZB7 UniRef90_A4C843 UniRef90_H8YXT9 UniRef90_K1XUS5 UniRef90_UP100040653E3 UniRef90_R7MDX4	Y M V Y M F K Y D S T H G R Y K G E V H H E D G K L T V D G Q A I S V F Q C M K Q M A H L L K Y D S I F G T M P N E V T Y D E R H I I V D G T P Y P L F A E K N G M A H L L Q Y D T C H G R F A W S V R Q Q D D W L W I G D D R I R L L H R P Q T L A H L L R Y D S I H G P L P H P V S V T D N G F Q M N Q T E T T L T N F G E S S A Y L A N W D S V H G P W R G T E T M T V V K E K D G S K T T T V M T Y S Q Y M V Y L F K F D S T H G R F K G T V A A E G G F L V V N G H K I T V F S E R D Q A A Y L C K Y D S V Y G R L D G E V H F G E D F I A V N G K K I A L F Q E D T I T Y L T R Y D T T H G R F P G D V D H D G E A L L I N G Q R I H V L C E P D T L A H L M N F D S V H G R W H H E A T H Q D S S I V I N G K P L C S K N K S G S A K T D V Y G R Y E K E V S F I K N A I V V D G K E I A F I S E K D M L A H L L E F D D S V H G R Y N E K I E Y N D N S I I V N G V S I P I Y A E R D Q L A Y L Y K Y D S V H R M L D E K V A S V D D G I E V N G K K I K V F S E S D G I A H L L Q T D S H G R F F K P V Q K E K N V L K V G D D T I R I L H E A D Q L A Y L Y K Y D S V H R M L D E K V A S V D D G I E V N G K K I K V F S E S D G I A H L L T F D S H G R F F K P V Q K E K N V L K V G D D T I R I L H E A D Y M A H L L K Y D S I H G T L S Q D V S H T L D A L I I N G K I T F T H Y H R Q L A Y L L K Y D T N H R N Y N V D I G F V D N N I V V D G K K I P V Y S S M D T I A H L T R Y D S T H G R F A G P V E V G E E R I R I A Q W D M Q L L H E E D Y M V M F Q Y D S T H G K F H S T V K A E N G K L V I N R K A I T I F Q Y T L A Y L L E F D S A Q G K F H G E I S Y T E N S I L V S G K E I K I F A E R N
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UniRef90_E6RQN1 UniRef90_F8N869 UniRef90_R6BZV8 UniRef90_G5C7P3	S A P A G D L K T I V F N V N N D T L T K D D Q I I S A A S C T T N C L A P M A S A P A G D L P T I V Y N V N H E T L K A E D Q I I S A A S C T T N C L A P M A S A P S A Y A S M F V M G V N H F K Y D N S I I K I V S N A S C T T N C I V P I T
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UniRef90_V5RJ18 UniRef90_B2GH84 UniRef90_UPI00047AF071 UniRef90_L0WAN1	SAPAKVQKTIVFGVNDETLASSDYMISNGSCTTNGLAPLA SAPAGDLKTVVFGVNHKTLTADDQIVSAASCTTNCLSPVA SAPAGDLKTVVFGVNHKTLTADDQIVSAASCTTNCLSPVA SAPGKEVEGTFVYNHESYDPATMNLVSAASCTTNCLAPLA SAPATDTPTFVYGVNHTSYQGESVI SNASCTTNALAPLA SYPVSDADAMVVYGVNHPIDRQQRIVSNASCTTNCLAPLV SAPVQDENMVVLGVNESLLDGSETIISNASCTTNCLAPMI
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UniRef90_UPI000255B03F UniRef90_A3SY64 UniRef90_R7P569 UniRef90_G4L978	SAPGKNUDRIVVYGVNDELQASDIMVSNGSCIINCLAPMA SAPGKGEMKTVVYNVNDNILTSDDIVSAASCTTNCLAPVV SAPSKDTKILVVYGVNHETITAEDNIVSAASCTTNCLAPVV
UniRef90_UPI0004787645 UniRef90_UPI0003715D25 UniRef90_A9B834	SAPAK DVDVIII VVNE DDY DPAK HHI I SNASCI I NCVAP MV SAPAK OGALNI VMGVND Y DPDK HPI DTAASCT I NCLAP V
UniRef90_UPI0002625986 UniRef90_Q18KC9 UniRef90_C5J6X4 UniRef90_D0I4N9	SAPGKDATI VMGVNEDDYDPHAHDVVSNASCTTNCVAPMV SAPPKGDEPQI VYGVNHHEYTGEDI LSNASCTTNSVSPVA SAPAGDVKTI VYNI NHETITEEDTI LSAASCTTNALAPVV SHPGDLDNTI IFGVNEDTLKPSDRI VSNGSCTTNCI VPVI SAPSKDARNI VYGVNHADYAGDD VVSNASCTTNCLAPVA SAPVDNTKTI VYGVNHDSLDENDKI VSAASCTTNCLAPVA
UniRef90_J6EN34 UniRef90_U5SBE0 UniRef90_UPI00038037C6 UniRef90_D0JA89	S A P S K D A R N I V Y G V N H A D Y A G D D V V S N A S C T T N C L A P V A S A P V D N T K T I V Y G V N H D S L D E N D K I V S A A S C T T N C L A P M A S A P A Q N P D K I V Y G V N H E T L S H D D K I I S N A S C T T N C L A P L A S P P K D D I P M F V M G V N H K K I K P N Q N I V S N A S C T T N C L S P I V S A P T K S E D I P T V V H G V N T E A G E T N I F S C A S C T T N N I S P V V
UniRef90_UPI00047C71EB UniRef90_Q7M9C4 UniRef90_R4Q1D2	SAPTKSEDIPTVVHGVNTEAGETNIFSCASCTTNNISPVV SAPADNAPTFVYGVNHESYQGES VVSNASCTTNCLAPIA SAPAGDLKTIVYNVNDDLLTADDRLVSAGSCTTNCLAPLA
UniRef90_UPI00037852D4 UniRef90_UPI0003D0C8A6 UniRef90_UPI00042919FB UniRef90_K2AIZ7	SAPADNAPTFVYGVNHESYQGES VVSNASCTTNCLAPIA SAPAGDLKTIVYNVNDDLLTADDRIVSAGSCTTNCLAPIA SHPSDVDATVVYGVNHQELSGDETFLSGASCTTNCMVPVI HTPSSDXPMFVMGANHEKYDNSLEIVGNASCTTNCLAXLA SAPADVANIVVGVNDHVFNAELHKIVTAASCTTNCLAPIV SAPSKKVVPTYLMGVNHEEYKGEAVIDMASCTTNCISPIA
UniRef90_UPI0003612D8C UniRef90_A3YD42 UniRef90_H3SHG9	SQPADADSTIVYGFNNKHIKPDLKIISAASCTTNCLIPVL TAPGKDLTIVMGVNEHMYDDENHHLVSAASCTTNCLIPVL
UniRef90_D3ZW51 UniRef90_B4RWC5 UniRef90_H3NBS5 UniRef90_K7STJ6	S P S A D PLFVMGVN H E N C D N S Y K M V S N L S C T T T C L P A L A S S P S P D L D N T V I F G T N E D T T S E Q K L V S N G S C T T N C I V P V I S A P A K D D K M V V F G V N D D V I E A D D K I V S A A S C T T N C L A P M A S A P G D V D A T L V Y G V N N D M L T P D M T V I S N A S C T T N C L A P L V
UniRef90_F3YW60 UniRef90_E3H664 UniRef90_UPI000363C9A5 UniRef90_M5J8Z7	S A P A K D D K M V V F G V N D D V I E A D D K I V S A A S C I I N C L A P M A S A P G D V D A T I V Y G V N N D M L T P D M T V I S N A S C T T N C L A P L V S A P A E D E D F T V V V N E Q A Y D P A R H H V I S N S S C T T N C L A P A A S A P S G D L K T V V F N V N D S V L D G S E T V I S G A S C T T N C L A P V A S A P V K D D N V V V G V N D H L F D K N I H R I V T A A S C T T N C I A P V V S A P A G D M P T V V Y G V N Q D I L K S E D N I V S A G S C T T N C L A P V V S A P A G D M P T V V Y G V N H E T L T A E D N I V S G A S C T T N C L A P V V S A P A G D L P T I V Y G V N H E T L T A E D N I V S G A S C T T N C L A P V V S A P G K N D K T I V F G V N E N I I T K E D K I I S A A S C T T N C L A P V T S A P G K D K T I V G V N E N E Y D P A A H H I L S N A S C T T N C L A P I A
UniRef90_Q1YUK7 UniRef90_R6DPI0 UniRef90_W9E2I8 UniRef90_A6Q9K8	SAPUK D G T L NL V M G V N D H L Y T N Q A I V T A A S C T T N C L A P V V S A P A G D L P T I V Y G V N H E T L T A E D N I V S G A S C T T N C L A P M A S A P C K N D K T I V F G V N E N L I T K E D K I I S A A S C T T N C L A P V T
UniRef90_G3GZ97 UniRef90_L9L6B7 UniRef90_V9NET2	SALSTDDPMFVIGVNHKYDNS L SAPAGAKTI VMGVNQDFYNPSSHTVVSNASCTTNCIJAPI V
UniRef90_M3WXP9 UniRef90_UPI00035D0694 UniRef90_B3GAT0 UniRef90_G5APS2	SV SADAPV FVIGMNHEKY DNSLKI V SNASCTTS CLAPLA SSPGKGVDITV VMNEDNY DLDRHSI V SAASCTTN CLAPVL SAPSADAAMF VMGVNEKEY KSDIEI I SNASCTTN CLAPLA SAPSTDVPMF VMGVNHEKY NNSLKI V SNSSCTTN CLVPLA
UniRef90_R7IQH4 UniRef90_UPI0003B356BD UniRef90_F6VAC7 UniRef90_A1S9A4	S A P S A D A A M F V M G V N E K E Y K S D I E I I S N A S C T T N C L A P L A S A P S T D V P M F V M G V N H E K Y N N S L K I V S N S S C T T N C L A P M A S A P A G D L K T I V F S V N E N T L T A D D Q I I S A A S C T T N C L A P M A S A P A G D L P T I V Y N V N H T T L T K D D K I I S A A S C T T N C L A P M A S A P S A D A P L F V M G M N H E K Y D N S L K I I S N A S C T T N C L A P L A S H P S D V D A T I V Y G V N D A S L K A T D T V V S N A S C T T N C L A P L A T A P S D D I T I V L G V N E D K Y E P Q K H H V I S G A S C T T N C L A P L A S A P S P D A D M F V M V N Q D S L L A E H R I V S N A S C T T N C I I P V I S A P D A D I P M V V N I N D H L T P E T A I F S C A S C T T N C I A P V I S A P D W I D A K N P V I N N H S F Y D K N V D H I V T A A S C T T N C I A P V I
UniRef90_F8QMS9 UniRef90_U7UFY5 UniRef90_C5BAU7	SAPSPDAPMEV MVNQDKYDPSSMTI VSNASCTTNCLAPLA TAPSDDITI VLGVNEDKYEPQKHHVISGASCTTGGLAAIY SHPGDLDATVVYGVNQESLLAEHRI VSNASCTTNCLIPVI
UniRef90_A4CPC3 UniRef90_K8EC93 UniRef90_Q56RF1 UniRef90_H5SJJ3	SAPSADAPMEVI <mark>CGÜNL</mark> DAYKPDMKVVSNASCTTNCLAPLA TAPAKDVPTLVWVNEKVYNKTKHALVSAASCTTNCLAPVA
UniRef90_H0IZB7 UniRef90_A4C843 UniRef90_H8YXT9 UniRef90_K1XUS5	S Q P S DIVIDATII VIWGII N E H KILALIS Q RII LISAAS CTTTN CIL VIPIL L PVK E E GILLINV VIMGIVN E HILF D K E H HII VITAAS CTTTN CILAPIV VI AAPTK G G A II DII VIVN H D R Y D P D O H RII VITAAS CTTTN CILAPIV VI
UniRef90_UPI00040653E3 UniRef90_R7MDX4 UniRef90_J7SKQ7	SAPAKDADQTV LMG NEDKMSVCPI TSNASCTTNGI SPVV STVADDVPTI VYGVNEHTLTKEDTI VSAASCTTNCLAPMV SAPAKDECKTI VYGVNESI DKKDQV I SSSSCTTNCLAPV L SHPGGNDATI VYGVNHDTLTAQDKI VSNASCTTNCI IPVI
UniRef90_U7D621 UniRef90_Q26BI6 UniRef90_R5TRG4 UniRef90_R9S5V0	SHPGGNDATIVYGVNHDTLTAQDKIVSNASCTTNCIIPVISAPKKGACNIVYGVNDSLYRPDKKLLTAASCTTNCLAPVVSAPDDDIKTVVLGVNDHIINDDDIILSNASCTTNAAPFISAPAKDLKTIVYNVNDDLLTGEEEVISAASCTTNCLAPVLSHPSDVDATIVYGYNHQQLSGREHIVSNASCSTNCIVPVISAPSANAPKEVMGVN
UniRef90_E1BH84 UniRef90_UPI00047A5166	SAPSANAPK FV M GVN SAPAK D L K T V V F G V N H K E L T A E D T I I S G A S C T T N C L A P M A

UniRef90_A3Y4W7 UniRef90 H3NNA1	170 180 190 200 K V H E S L G I K H G S M T T I H D I T N T Q T I L D A P H K D L R R A R A N V L D K E F G V D R A L M S T H A Y T A T Q G T Q D A P G G R K S R A
UniRef90_Q6WEV4 UniRef90_H1Y1Z3 UniRef90_L0RX94	KII I HEEFGII VEGILMTTVHATTATQKTVDGPSGKDWRGGRG KVLDDNWGII DGYLTTVHSMTGDQNLHD APHKDLRARARA KALVDNEGIKSGEMTTVHAYTGDQNLHD APHRDLRARARA
UniRef90_M1PEW1 UniRef90_E6RQN1 UniRef90_F8N869	KVI LDNFGI KHGLMTTVHAYTGDQRLLD FPHSDLRRARA KVLQEKVGI KHGSITTI HDITNTQTI I D APHKDLRRARS KALNDKYPI QAGI MQTI HAYTGDQMLLDGPQRKGNLRRSR
UniRef90_R6BZV8 UniRef90_G5C7P3 UniRef90_E0S803	KALNELAPIKSGIMÜTIHAYTGDQMTLDGPQRKDLRRSRA KVIHDNFGIVEGLMTTIHAITTTQKTVDGPLGKLWRDGRG KIVDDNFGIVEGLMTTVHAVTATQKIVDGV GK <mark>C</mark> LRSGRS
UniRef90_A8UKB9 UniRef90_A6VWE5	A
UniRef90_F2QH22 UniRef90_P52987 UniRef90_Q2SDC2	D A L N K N F G V K G G T M T T V H S Y T G D Q M T L D P H R G G D F R R A R A K V I H E N L H L R H G S T T T I H D L T N T Q T I L D A A H K D L R R A R A
UniRef90_A3VDE4 UniRef90_V5RJ18 UniRef90_B2GH84	KVLNDALGIERGVMTTIHSYTGDQPTLDRRHSDLYRARAAKILDEKFGIVKGLMNTIHAVTNDQTLLDLPHADVRRGRAKVINDEFGIERGLMTTIHAYTGDQRLHDAPHKDLRRARA
UniRef90_UPI00047AF071 UniRef90_L0WAN1 UniRef90_UPI00047AF3D8	KVLHDNFTILSGLMTTIHSYTNDQNLLDSKHKDLRRARADVLDQAFTIQQAQMTTIHSYTNDQNLVDKAHGDPYRARAQVLEENFGVVKGYASTVHSYTNDQNLHDAPHRDLRRARAA
UniRef90_U7G6S9 UniRef90_U7P2C0 UniRef90_UPI000255B03F	EVLDRAFTVRQGLMTTVHSYTNDQNLVDKAHGDLL RARA KVIHETFGIRHGAMTTVHDITNTQVILDSPQKPDLRRSRA KVIQELCGIEQAYITTVHSFTSDQSLHDKPHRDLR RSRA
UniRef90_A3SY64 UniRef90_R7P569 UniRef90_G4L978	KALHDAFGI ESGIMTTVHSYTGDQPTLDRRHEDLYRARAA NIIHKNIGVKKGFMTTVHAYTNDQATLDIAHKKKSRRGRA KVLNDKFGVDRALMTTVHSYTSTQNLQDAPGGRKSRAGAA
UniRef90_UPI0004787645 UniRef90_UPI0003715D25 UniRef90_A9B834	KVLHSTFGIRRGLTTTIHSYTGDQALLD RPHKDPRRARS KVIHENLGIKHGSITTIHDITNTQTILDAPHADL RRARA KVVHEQFGIKHGMITTIHDMTNTQNLID APHKDLRRARA
UniRef90_UPI0002625986 UniRef90_Q18KC9 UniRef90_C5J6X4	KVLHEAFGVRRGLLTTIHSYTNDQALLDGPHKDLRRARSA KVLDDEFEIESGLLTTVHAYTGSQALIDSPMTK TRRGRA NALEKEFGIENGYMTTVHAYTADQRIQD APHSDFRRARS
UniRef90_D0I4N9 UniRef90_J6EN34 UniRef90_U5SBE0	KV L DE QFGI E SGTL T I H S S M N D Q Q V L D A Y H P D L R R T R A L V L N R A F G V E A G M M T T I H A S T A S Q K V L D G F S A K D L R S G R S N V L N K K Y G I N S A M S T I H A Y T A S Q A I D D S P G G R K N R A G A
UniRef90_UPI00038037C6 UniRef90_D0JA89 UniRef90_UPI00047C71EB	KVINDNFVLKSGLINII HASINDQSLLD WAHSDLYRARA KVLDDNFGVLEGLMTTI HASTATQKVVDSASYRDWRAGRS EVLGRRIGI KKAI MTTVHASTATQKVDAPSQKNLRMGRA
UniRef90_Q7M9C4 UniRef90_R4Q1D2 UniRef90_UPI00037852D4	K <u>V LI</u> HEAFGII ENGILIMTTII HSYTNDQNII LID VIKHKDILIRRARA F <u>FE</u> NKEFGII K <u>V</u> GTMTTII HAYTSTQML LIDP <u>V</u> RGGNFRAARA DIV LIDAAFDII K <u>C</u> GTI ITTII HSAMNDQPIV I DSYHSDILIR RTRA
UniRef90_UPI0003D0C8A6 UniRef90_UPI00042919FB UniRef90_K2AIZ7	NIIHDNVGIVKGLMNTVYLITASKETGDDPSGMLWQYGHG KVIHEKIGITNAAFTTIHDLTNTQTILD APHKDLRRARA EIMHRREGVEKAMMSTAHSYTSTQNLVDGPN DDLRRARA
UniRef90_UPI0003612D8C UniRef90_A3YD42 UniRef90_H3SHG9	KVLQESIGIKHGSMTTIHDITNTQTILD APHKDLRRARA DALTSLVGVEHGTTQTIHSAMNDQPVIDAYHTKDLRLTRA HLLDRSFGVVSGWMTTIHSYTNDQKHLD NPHKDLRRARA
UniRef90_D3ZW51 UniRef90_B4RWC5 UniRef90_H3NBS5	KVIHDNFGFVEGLMTTVHALTATQKTVVEPSGKLWRDGSG QALDAAFGVESGTITTIHASMHDQQVIDAYHEDLR RTRA KVLNDEFGLNGALMSTIHAYTATQALQDAPGGRKNRAGAA
UniRef90_K7STJ6 UniRef90_F3YW60 UniRef90_E3H664	KVLDDNYGI ECGYMVTI HSYTGDQQI VDRRHRDLRRARSA KLVHERFGI RTGTLCTVHPYTNDQRLLDRAHA DLRRARA KVLNDNFGLVKGFMTTI HAYTNDQNI LDAPHAKPI RRGRA
UniRef90_L311004 UniRef90_UPI000363C9A5 UniRef90_M5J8Z7 UniRef90_Q1YUK7	KVI HEKIĞI EHASFTTI HNLTNTQTI LD APHKDLRRARA NALNKEFĞI EVĞTMTTI HAYTSTQMI LDĞPKĞSKPRNNRT DVLQKTFĞI KHAALTTI HDLTNTQŞI LD QYHSDLRRSRA
UniRef90_R6DPI0 UniRef90_W9E2I8	K A L N D Y R E V R T G F M T T
UniRef90_A6Q9K8 UniRef90_G3GZ97 UniRef90_L9L6B7	KVLEENFGVENAMITTTHAYTSTQTTVDKRAK KRRRGRAKVIHDNFGIVEGLMTTVHAITATQKTVDGPSGKLWRDGRRKIL KTVDPSGNLWHDGHGHVVKEGFGVSTGLMTTIHSYTATQKPVDGVSMKDWRGGRA
UniRef90_V9NET2 UniRef90_M3WXP9 UniRef90_UPI00035D0694	KVFHDNFGI MEGLMATVHAL ATQKTMGGLSGKLRCDGRRQI LDHAFQVQTGWMTTI HSYTNDQKHLDNPHQDLRRARACKVMHDNFTLIEGLMTTI HSYTATQKTVDGPSAKDWRGGRT
UniRef90_B3GAT0 UniRef90_G5APS2 UniRef90_R7IQH4	K WT D G L S G K L W F D S H G N A L N K Y A P L O S G L M S T L H A Y T G D O M L L D G P H R K D L R R A R A
UniRef90_UPI0003B356BD UniRef90_F6VAC7 UniRef90_A1S9A4	KALNDYAPI QSGI MCTI HAYTGDQMI LDGPQRKDLRRSRAKVI HDNFGI VEGLMTTV HSITATQKTV DGPSGKLWRDGRGDV LDRHFGVKSGAI TTI HSAMNDQQVI DAYHDDLRRTRAKVI HDNFGI EEALMTTV HAYTATQKTV DGPSAKAWRDGRG
UniRef90_F8QMS9 UniRef90_U7UFY5 UniRef90_C5BAU7	K
UniRef90_A4CPC3 UniRef90_K8EC93 UniRef90_Q56RF1	SVLDEL <mark>C</mark> GIQQAYIITTVHSYTSDQSLHDRPHRDLR RARA QVILKKLGIVRGSITTIHNVTNTQTLVDAPNSKDLRRARS QVILNDNFFIVEGIMTTVHATTATQKTVDGPSGKIWRDGRG
UniRef90_H5SJJ3 UniRef90_H0IZB7 UniRef90_A4C843	Y
UniRef90_H8YXT9 UniRef90_K1XUS5 UniRef90_UPI00040653E3	Y Y I N F I K P I K K G F M T T I H A Y T N D Q N T I D G P H A K D I R R A R S
UniRef90_R7MDX4 UniRef90_J7SKQ7 UniRef90_U7D621	KILIDEGEGI ESGTIVITTI HAAMNDQPIVIDAYHSDI R RTRA
UniRef90_Q26Bl6 UniRef90_R5TRG4 UniRef90_R9S5V0	KVLDEL <mark>C</mark> GVEQAYLTTVHSYTSDQSLHD QPHNDLRRARA KVLNDEEGLEKGYMTTVHAYTNDQVLLDVAHKKKARRGRA
UniRef90_E1BH84 UniRef90_UPI00047A5166	H L L D E A L G I E S G M L T T I H S A M N D Q P V I D A Y H H T D L R K T R S K V I H D H F G I M E G L M T T V H A I T G T Q K T V D A L P G K L W R D S R G K I L D E N F T I K T G L M T T V H A V T N D Q K L L D L P H A D L R R G R A

UniRef90_A3Y4W7 UniRef90_H3NNA1	CGQSLI AAQNII	210 P T T T G S A T A P A S T G A A K A	220 T H F P E L k V G K V P S V N	230 240 C G K L N G H A V R I P L A N A S N G R I D G T A L R V P V I T G S
UniRef90_Q6WEV4 UniRef90_H1Y1Z3 UniRef90_L0RX94 UniRef90_M1PEW1	A G Q N I I I I A S A S I I I I A A Q N M V I A A M S M I I	P	V G K V L P A L N I T N I F P H L L I G L V V P E A S V A L V I P E L K	230 A G S S S S S S S S S S S S S S S S S S
UniRef90_E6RQN1 UniRef90_F8N869 UniRef90_R6BZV8 UniRef90_G5C7P3	C G T S L I I A G C N I T I A A V N I V I A A Q N I I I	P T T T G S A T A P A S S G A A K A P N S T G A A K A P M S T G A A K A	T Q F P E L K I G L V L P E L N I G L V I P E L N V V K V V K V V V K V V V K V V V K V V V K V V V K V V V K V V V K V V V V	(
UniRef90_E0S803 UniRef90_A8UKB9 UniRef90_A6VWE5 UniRef90_F2QH22	GLANIII AGQSIVI CGSSLII	PASTGAATS PTTTGAAKA PTTTGSATA PSSTGAAKA	V G K V I P S L A L T K I F P D L A I T H I F P A L K	A G K L N G M A M R V P V A N V S A N V I G G C G I R V P V A N G S A G K L N G H A V R V P L T N A S A G K L T G M A F R V P T V D V S
UniRef90_P52987 UniRef90_Q2SDC2 UniRef90_A3VDE4	A S F N I I I A A E N I V I C G M S L I I A M A M I I A G W N I V I	P A S S G A A K A P T T T G S A T A P T T T G A A K A	I G E V L P E L S L G E V L P E L S	S G L M K G H A Q R V S T P T G S S G R L N G H A I R V P L A N A S A G K L D G T A L R V P T P N V S
UniRef90_V5RJ18 UniRef90_B2GH84 UniRef90_UPl00047AF071 UniRef90_L0WAN1	A A L S MI A A L N MI A A V N MI	PTTTGAAAA PTSTGAAKA PTHTGAAQA	V G L V L P E L K I G L V M P E L K V T R V I P R L K	GKLDGFAVRVPVPTGS GKLNGFAIRVPTPDVS GRLDGMAVRVPTLNVS
UniRef90_UPI00047AF3D8 UniRef90_U7G6S9 UniRef90_U7P2C0 UniRef90_UPI000255B03F	A Y S I I I A A V N M I I C G M S L I I A S Q S I I I	PTSTGAARA PTTTGSAKA PTTTGAAKA	V G K V L P H L A I T A I F P E L T L T K I F P E L S	G K L N G H A I R V P L A N A S G K L N G H A I R V P L A N A S S N V I G G C G L R V P V P N G S
UniRef90_A3SY64 UniRef90_R7P569 UniRef90_G4L978 UniRef90_UPI0004787645	A M A I I I I I C A Q N I V I I I I I I I I I I I I I I I I I	P	L G	GKLDGTAMRVPTPNUS GKLDGNALRVPTITGS NGRVDGTALRVPTITGS AGKLDGVAVRVPVEDGS
UniRef90_UPI0003715D25 UniRef90_A9B834 UniRef90_UPI0002625986 UniRef90_Q18KC9	CGASLII ASQSLII AV NMI AAENII	P T S T G S A I A P T S T G S A S A P T S T G A A K A P T S T G A A Q A		GRLNGHAVRVPLANAS AGRLDGVAIRVPLLNAS AGKLDGVAVRVPVENGS GKLDGMAMRVPVPNGS
UniRef90_C5J6X4 UniRef90_D0I4N9 UniRef90_J6EN34 UniRef90_U5SBE0	A A S N V A S Q S I A M G N I Q N A	PTSTGAARA PVNTKLHLG PATTGAAQA PASTGAAKA	I GL V I P S L T I G R I F P K F S V V R V L P E L P V G K V I P E L E	G
UniRef90_UPI00038037C6 UniRef90_D0JA89 UniRef90_UPI00047C71EB UniRef90_Q7M9C4	A S A S I I I I S L I N I I I I I G A A N L V I A A M N M I I I	P	I GL V I P E L E V G K L I P S L H T T K A L P E L A I G L V M P E L K	E G K L N G M A T R V P V L N V S H G K L T G M A F R V P V A D V S A G K F D G V A L R V P L P V G S K G K M S G F S V R V P T P D V S
UniRef90_R4Q1D2 UniRef90_UPI00037852D4 UniRef90_UPI0003D0C8A6 UniRef90_UPI00042919FB	A G V N T I I I A S Q S I I I A S Q N I I I C G M S L I I	P	L G L V I P E L N L E R L L P K F A M D R N L V E I F P E L K	NGKLQGHAQRVGVVDGS NKFEATAVRVPTINVT NRELTNMVFHVPTSNVS KDKINGHAVRVPLANAS
UniRef90_K2AIZ7 UniRef90_UPI0003612D8C UniRef90_A3YD42 UniRef90_H3SHG9	CGQSLI ALSSII	PTTTGSAKA PVDTGLAKG PTTTGVGKA	T D F P E L K	(GKLNGHAVRVPLANAS GGKIA <mark>C</mark> NAVRVPTLNVS ATSVOGUSVRVPTPDVS
UniRef90_D3ZW51 UniRef90_B4RWC5 UniRef90_H3NBS5 UniRef90_K7STJ6	A A Q N I I I A S Q S I I I I A I N M V	P	V G K V I S E L N I E R I L P K F A V G E V I P E I K I G L V L P H L K	NRKLTGMAFCVPIPNIS AGKFEAIAVRVPTINVT GGRIDGTAVRVPTITGS
UniRef90_F3YW60 UniRef90_E3H664 UniRef90_UPl000363C9A5 UniRef90_M5J8Z7	A A Q N I I I G A A N M V I C G M S L I I A G V N T I I	PTTSSAVQS PTSTGAAVA PTTTGSAKA PHSTGAAKA	V M R V L P E L A V G K V L P E L N V I D I F P E L E I G I V V P F I K	A G K V Q G Y A V R V P T P L V A N G K L D G G A V R V P T I T G S E G K I D G H A V R V P L A N A S K G K I N G H A O R V Q V V D G S
UniRef90_Q1YUK7 UniRef90_R6DPI0 UniRef90_W9E2I8 UniRef90_A6Q9K8	SGLSLI GALNIVI ASQSIVI AAVNII	PTSTGSATA PNSTGAAKA PTSTGASKA PTTTGAA	I T E I F P E L K I G L V I P E L C I G E I I P N L K T T F V I P A L K	CGRINGLAÜRVPLANGS DGKLIGSAQRVPVPSGS CGKLEGVAMRVPTPNVS
UniRef90_G3GZ97 UniRef90_L9L6B7 UniRef90_V9NET2 UniRef90_M3WXP9	A G Q N I I I V A Q N I I I A A V N I I I A A Q N I F I	PASTGAAKA PALTRAAKA PSTTGAAKA	V G K V I P E L N M G K V I P E L N V G E V I P S T K V G K V S P E I N	N G K L T G M A F C V P T S N V S N G R L I S M V F H V P T P N V S (G K L T G M S F R V P T P D V S N F L T G L A F H V L T P N V
UniRef90_UPI00035D0694 UniRef90_B3GAT0 UniRef90_G5APS2 UniRef90_R7IQH4	A QSIII AAQNIII AAQNIII GAANIVI	PTTTGVGKA PSSTGAAKA PASTRAAKA PNSTGAAKA	L G D V I P H L P V G K V I P S L N V G K V I P E L N	APVIQGISIRVPTPNVS NGKLTGMSMRVPTSNVS NGKLTGMAFGMPTPNVS NGKLTGMAFGMPTPNVS
UniRef90_UPI0003B356BD UniRef90_F6VAC7 UniRef90_A1S9A4 UniRef90_F8QMS9	GAVNIVI ALQNTI ASQSIII AHQNII	PNSTGAAKA PASTGVAKA PVDTKLARG PASTGAAKA	G	NGKLIGAAQRVPTPTGS NG LTGMAFRVPTANVS (DKFEALSVRVPTINVT NGKTTGMAFRVPVADVS
UniRef90_U7UFY5 UniRef90_C5BAU7 UniRef90_A4CPC3 UniRef90_K8EC93	A G M S I I I A S H S I I I A G Q S I V I G L V N L A	PTTTGAAEA PVDTKLAAG PTTTGAAKA PTSTGSATA	I A K V L P E C K I A R V L P Q F F L T R I F P H L S I A I I F P F L K	(N K L V C H A V R V P T P D V S R D R F E A I S V R V P T L N V T S D V I G G C G I R V P V P N G S G G K I D G I A V R V P I I N G S
UniRef90_Q56RF1 UniRef90_H5SJJ3 UniRef90_H0IZB7 UniRef90_A4C843	A A Q N I I I A A I N I I I A M Q S I V I C G M S L I I	P	V G K V I P A L N I G L V I P E L S I S R L M P S L A	NAGKEL TGGMAAFRVPTLANSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS
UniRef90_H8YXT9 UniRef90_K1XUS5 UniRef90_UPl00040653E3 UniRef90_R7MDX4	CGQSLII GAQNIVI AAGNIII ASLNIVI	P T S T G A A S S	I T KI F PELT VTRAFKELE UGLVIPSLE	GKLNGHAVRVPLLNAS GKLNGHALRIPVPSGS GKLDGISQRVPVMAGS OGKLSGIAYRVPVGDGS
UniRef90_J7SKQ7 UniRef90_U7D621 UniRef90_Q26BI6 UniRef90_R5TRG4	A G H S I I I C G S S L I I A G Q S I V I A A A N I I I	PTTTGSAKA PTTTGAAKA PTTTGAAKA		TO HEE ALL SVRVPTINUT GKLNGLAVRVPTINUT GKLNGLAVRVPVPNGS OVIGGCGLRVPVPNGS
UniRef90_R9S5V0 UniRef90_E1BH84 UniRef90_UPI00047A5166	A F Q S I I I A A Q N I I I A A W N I I I	P		A G K F E A Q A M R V P V V I V S A G K F E A Q A M R V P V V I V S A G K L T G M A F <mark>C</mark> V S T R N V S A G K L D G A A L R V P T L T G S

	250 260 270 280
UniRef90_A3Y4W7	LIT D C V F E V N K A T N Q A E V N Q L T Q A A A E G E L K G I L G Y E E K P L
UniRef90_H3NNA1 UniRef90_Q6WEV4	V V E L Y S V L K K E V T I E E V N E AMK K Y T N D A FL Y N T D E I V V D L T C R L S K Q T T Y D E I K K V I K A K C E T P Y K G I M G Y T E D E V
UniRef90_H1Y1Z3	L T D F T C S L K Q T P T V R Q I N E A F K K A S Q N G M K E V L E Y T E D P I
UniRef90_L0RX94 UniRef90_M1PEW1	II VIDII II IVIEII IEKO PII VIEEIVIN AAMKKAAI ESEKYII II DPII
UniRef90_E6RQN1	L VD AV MEVEQETT V PEVNQALK DAANR YLGYSDLPL LTDCVFELERGVTEQEVNGWFKQAANNELKGLLGYEEKPL
UniRef90_F8N869	TT LL YA IV KKN V T V ES V NAAMKAE <u>A</u> NESFGYNEEE I
UniRef90_R6BZV8 UniRef90_G5C7P3	V V D L S C H L E K V A K Y D D I K K V V K Q A S E G P L K G I L G Y I E D E V
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UniRef90_A8UKB9 UniRef90_A6VWE5	LTDLTINVEKSTSLEDVNALFKSAASSKLKGLLEYTEDPLLTDCVFEMKRPTSEELNQLLKTASEGELKNLLGYEVRPLVVDLTVRLEKKATYDQLKAAL
UniRef90_F2QH22	VVDLTVRLEKKATYDQIKAAL
UniRef90_P52987 UniRef90_Q2SDC2	I TELVTVLEKHVTVDEI NEAMKAAA DESFGYNVDEI LTDCVFEVEKPTTVEEVNALFKKAAVSELKGILGYEERPL
UniRef90_A3VDE4	CI DI TEEACKDIVITIVEDIVINENVIDAAAECNMKKKIVI AVDEDK
UniRef90_V5RJ18 UniRef90_B2GH84	
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UniRef90_L0WAN1 UniRef90_UPI00047AF3D8	L V D L H A V V T G P V T V E A V H E A L E N A A H G P L Q G L A V N H L P L L T D L T D D D D D D D D D
UniRef90_U7G6S9	L VDLTVTLEKPATIDAVHEALSNAAHGPLQGVLALNHLPL
UniRef90_U7P2C0 UniRef90_UPI000255B03F	ILIT DINITE ELLA KEVITIVE ELVINA A EKASA NTTLIKNI I HYTE DEL
UniRef90_A3SY64	L T D MV F E L A R E V T V E E V N A A L K A A A E G E L A G I L G Y E E R P L L T D I T F N V K K E V T I K T I N E A F K A S A N T T L K N I L H Y T E D P I A V D L T F M A G R D V T V E E V N E A M R A A A N G P M S R V F A Y D A E Q K
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UniRef90_UPI0004787645	LIT DLITVEL A R PVI VE QVN HAFA E A S D G A L K G L L R Y S E A P L
UniRef90_UPI0003715D25 UniRef90_A9B834	LIT DCVFELAQPTTSEAVNRALAEASRGALKDII LIGYEERPL
UniRef90_UPI0002625986	LIT DLAVEVS EPVT PGQVN RAFAVS ADGELKGI LRYTEDPI
UniRef90_Q18KC9 UniRef90_C5J6X4	FVDLSVSLKSTPTIQEINEVMKKYE NESFAYNEDLI
UniRef90_D0I4N9	A V D L T F M A G R D V T V E E V N E A M R A A A N G P M S R V F A Y D A E Q K V V D L T L E L S R N T S V D E I N K L F M D N Q N E T I K F T I D P I I T N L Y G V L N K K V S V D E V N A A M K E V S S D A F A Y N E D D I L T D L T V E L A R P V T V E Q V N H A F A E A S D G A L K G I L R Y S E A P L L T D C V F E V E R P T T A E E V N Q L L Q T A S K R E L K D I L G Y E E R P L L T D C V F E L A Q P T T S E A V N R A L A E A S R G A L K D I L G Y E E R P L L T D L A V E V S E P V T P G Q V N R A F A V S A D G E L K G I L R Y T E D P I I T E L V V N L S T A P S V E V V N D A F R N A A D D P L A G V L G Y T D D E V F V D L S V S L K S T P T I Q E I N E V M K K Y E N E S F A Y N E D L I A M D L S V T V H T K V K V N D V N Q S L E E A A R C T L N G I V D Y T E A P L L V D L T V R T T K P G S K E Q L V A A F K E A A N T P L K G V L G V S D E K L M T E L Y S V L D K E V T V E E V N A A M K E A S N E A F L Y N E D E I L L D M T F E T E K K F S T Q E L I D S I V L A A G S S M N G V L S I C D L P L V D L S V N L S C A I T K E S I N A A M R E A A L G A M K G L L L V D E E K R
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UniRef90_UPI00038037C6	LLDMTFETEKKFSTQELIDSIVLAAGSSMNGVLSICDLPL
UniRef90_D0JA89 UniRef90_UPI00047C71EB	MSDLT FVMER DVTI E EVNAI FEEAAT DRYKNI LDTT DE PL
UniRef90_Q7M9C4	L VD L S VNL S C A L T K E S L N A A M R E A A L G A M K G L L V D E E K R
UniRef90_R4Q1D2 UniRef90_UPI00037852D4	LT E L V A I L D K K V T A D E V N A A I K K H T E G N E S F G Y N D D E I A M D L S I T V S K N V T I D D I N A C L L Q A S K N K L Q G I L G Y T E A P L
UniRef90_UPI0003D0C8A6	DMDLTCHLKKSAKYDDIKEVVKHACESTLKGIEGCTTDQA
UniRef90_UPI00042919FB UniRef90_K2AIZ7	WSDLIFUMERDVILLEVNAAFEEAAIGAMKGLLVDEEKR LYDLSVNLSCAITKESINAAMREAALGAMKGLLLVDEEKR LTELVAILDKKVTADEVNAAIKKHTEG NESFGYNDDEI AMDLSITVSKNVTIDDINACLLQASKNKLQGILGYTEAPL DMDLTCHLKKSAKYDDIKEVVKHACESTLKGIEGCTTDQA LTDLVFELDRDTTAEEVNQLLSDASEGELAGILGFETRPL MADFVFVLKKDVTIEEVNNVFKEEKESEYKGVLDATEEPL LTDCVFEMQRDVSVAEVNQLMADAAQGELKGILGYETRPL
UniRef90_UPI0003612D8C	LT D C V F E M Q R D V S V A E V N Q L M A D A A Q G E L K G I L G Y E T R P L V I D M V V R T H K P V T V E R V N E Y F K L L S Q T K Y E G L L G Y S E E A H
UniRef90_A3YD42 UniRef90_H3SHG9	L VDLT A EVIKT SVIT A D DVRLA FLHAITR D GHDRYLE WCDEPL
UniRef90_D3ZW51	II VIDII ITI <mark>C CI</mark> I IE K S T K Y N DII IK KIV V IK II I IN T E D Q
UniRef90_B4RWC5 UniRef90_H3NBS5	AMDLIS VTL QSKVTTTE QVN QALRSAKAGRLQGTLDYTEEPL MTEVYATLNKTVTEEEVNEAMKAAQRPS FEYNTDEI LVSLDFLSRNPPTPKDVN RVMQEAAKGALKGV LAYSDAPL
UniRef90_K7STJ6 UniRef90_F3YW60	L
UniRef90_E3H664	
UniRef90_UPI000363C9A5 UniRef90_M5J8Z7	LTDILFNVSRDTDILEEVNTLLKAASQDELAGILGFETRPL
UniRef90_Q1YUK7	L T D C V F E L N R D V N V D Q V N H A L R D A A E G R L K G L G F S E L P L
UniRef90_R6DPI0 UniRef90_W9E2I8	LTDIIFNVSRDTDIEEVNTLKAASQDELAGILGFETRPL LTDIVSRDTDIEEVNTLLKAASQDELAGILGFETRPL LTDCVFELNRDVNVDQVNHALRDAAEGRLKGILGFSELPL ITILDATLKDSVSVEGINAAMRAAA NESFGYTEEL LVELVFCTKKDISIKKINDAFEEASKNKLKNILEVTHEKL VTEIVALLNKPVTAEEVNKAYSTAAGGEMKGILDITTEEV
UniRef90_A6Q9K8	VTEL VALLNKPUTAEEVNKAYSTAAGGEMKGL DITTEEV
UniRef90_G3GZ97 UniRef90_L9L6B7	
UniRef90_V9NET2	V VDL T F T A S K D T S I Q E I D A A L K R A S A T Y M K N I L G Y T E D E L
UniRef90_M3WXP9 UniRef90_UPI00035D0694	MDLTCHLEKDAIYDDIKKVVKQVSEGPLKGILGYTEDQVLIDLTVETRYEVTSEQVRSVFKQAVAGKYAPYVALCDEPLVVDLTCRLEKSVTYDQIKETMKKASEGPLKGIMSYSYSAXVMDLTCHLEKAAKYNNIKKVVKQASEGPLKGILGYSKDQVTILTAVVKTDVTKEGINAAMKAAAS ESFGYNEDPITTLLFAVVKKADVTKEAVNAAMKAAATESFG
UniRef90_B3GAT0	V VDL IT CRLEKSVT Y D QI K E TMKKASE G PLKG MS Y S Y S A X
UniRef90_G5APS2 UniRef90_R7IQH4	TTILTAVVKTDVTKEGINAAMKAAAS ESFGYNEDPI
UniRef90_UPI0003B356BD UniRef90_F6VAC7	TTLLFAVVKKADVTKEAVNAAMKAAATESFG YNTDEL
UniRef90_A1S9A4	AI DLIS VTL DT RVDLA TVN A AL K A A A DGS A SGI LIGYT DE PL
UniRef90_F8QMS9 UniRef90_U7UFY5	V V D L T C R L S R P A S Y A D I K E S V K K A A H G P M K G I L G Y T E D S V
UniRef90_C5BAU7	ALDIL ŠVISIVIR T PIVRIVE QIVIN HILLIQ KAASTAFHGII VIDYTELPIL
UniRef90_A4CPC3 UniRef90_K8EC93	LTDITAQVRNPASIIAEIINATEKRIISENELKNI LEYTEDPI
UniRef90_Q56RF1	VADLTVRLGKGASYDEIKAKVQEAANGPLKGI LGYTDEEV
UniRef90_H5SJJ3 UniRef90 H0IZB7	T L T A V K T D T K E K A A K Y N N K A A A S E S F G Y N E D T T L F A V K K A D V T K E G N A A M K A A A T E S F G Y N T D E E S T T T L F A V K K A D V T K E A M K A A A A A A A A A
UniRef90_A4C843	CTDCVFEVASPTNALEVNSLLQEAANNELKGI MGFETRPL
UniRef90_H8YXT9 UniRef90_K1XUS5	L I D F V F E A E R A V S A E D I N R L R T A A E G E L A G I L G Y E E R P L V A D I T F I A A R P T T V F F V N A I I I T F A A O T F W K G I I I T V T D F O I I
UniRef90_UPI00040653E3	LTELTAVVGGSVTAEQVNKKMEQSQSEQYG YTEEEL
UniRef90_R7MDX4 UniRef90_J7SKQ7	L T D L T L N V K K K V T S S V I N D M F K A L D L S V T V K S N V T T Q D V N R L L Q N A A T G A F R G I V D Y T E L P L L T D C V F E V E R D T T A E E V N A A F L A F A K A N P Y T F S Y T D V P L L T D M T I N V K R D T S I E E V N A A F L A F A K A N P Y T F S Y T D V P L V I D L T L E L R E N V T V S D I N D A L K N N A N E T L G F T M D P I
0111110100_01 0021	LTDCVFEVERDTTAEEVNALFKEASTTTLAGLLGYEERPL
UniRef90_Q26BI6 UniRef90_R5TRG4	L L D M I N V K R D S E E V N A A F L A F A K A N P Y T F S Y T D V P L V D D T L E L R E N V T V S D N D A K N N A N F T G F T M D P V D T T T T T T T T T
UniRef90_R9S5V0	AI DLNLVVKNASDAQAI NALIRTAAQEKFSGVLGYTDELLI
UniRef90_E1BH84 UniRef90_UPI00047A5166	AIDLNLVVKNASDAQAINALIRTAAQEKFSGVLGYTDELL VVDLTCRLEKPAKY EIKKVVKQASEGP NGLLGYTEDQV LTDLTVEFEKTLSVELINSTMKNAADADLKQAIKYCDQPL
5	ELL SIETEMET EN TEDWEETMOT WINNANDADEM WAITH TODAR I

UniRef90_A3Y4W7 UniRef90_H3NNA1 UniRef90_Q6WEV4 UniRef90_H1Y1Z3 UniRef90_L0RX94 UniRef90_M1PEW1 UniRef90_E6RQN1 UniRef90_F8N869 UniRef90_R6BZV8 UniRef90_G5C7P3 UniRef90_E0S803 UniRef90_A6VWE5 UniRef90_A6VWE5 UniRef90_F6V	290 300 310 320 V S V D Y K G D K R S G I I D A L S T M V V N D T Q V K L Y V W Y D N E W G Y A V S S D I I G V P A G S I F D A T Q T N L M V G Q L V K T V A W Y D N E Y G F T Y S Q D F V H D S R S S I F D A G A G I M L T G D F V K L V S W Y D N E W G Y S V S V D I L D N P H S C I F D A Q L T S V V G G L V K V V G W Y D N E M G Y S V S D I L N S S Y G S L F D S L L T T V K Q G N L Y K L F S W Y D N E M S Y V V S I D Y Q G N P H S S V V D G Q S T K V I G T T V K I L S W Y D N E W G Y S V S I D Y K T D P R S T I I D A L S T M V I N H T Q L K L Y A W Y D N E W G Y A V S S D I L G M R Y G S L F D A T Q T M V V D T Y E V Q V V S W Y D N E N S Y T V S S D I V G M R F G S L F D A T Q T M V L P T T E V Q V V S W Y D N E N S Y T V S C N F N S D T H S S T F D A G A G I A L N D H F V K L I S W Y D N E F G Y S V S D F I G D S R S S V F D I N A S I S I G P N F F K L I S W Y D N E T G Y S V S I D I V G N S H S C I F D A L S T M V I N S T Q V K L Y V W Y D N E W G Y A
UniRef90_P52987 UniRef90_Q2SDC2 UniRef90_A3VDE4 UniRef90_B2GH84 UniRef90_B2GH84 UniRef90_UP100047AF071 UniRef90_UP100047AF3D8 UniRef90_UP100047AF3D8 UniRef90_UP2C0 UniRef90_UP2C0 UniRef90_UP1000255B03F UniRef90_A3SY64 UniRef90_A7P569 UniRef90_G4L978 UniRef90_UP10004787645 UniRef90_UP10003715D25 UniRef90_UP100038037C6 UniRef90_UP100038037C6	V S S D
UniRef90_UPI00047C71EB UniRef90_Q7M9C4 UniRef90_R4Q1D2 UniRef90_UPI00037852D4 UniRef90_UPI0003D0C8A6 UniRef90_UPI00042919FB UniRef90_K2AIZ7 UniRef90_UPI0003612D8C UniRef90_A3YD42 UniRef90_H3SHG9 UniRef90_B4RWC5 UniRef90_B4RWC5 UniRef90_B4RWC5 UniRef90_K7STJ6 UniRef90_F3YW60 UniRef90_E3H664 UniRef90_E3H664 UniRef90_UPI000363C9A5 UniRef90_UPI000363C9A5 UniRef90_M5J8Z7 UniRef90_M5J8Z7 UniRef90_Q1YUK7 UniRef90_M6DPI0 UniRef90_W62BIB UniRef90_M6Q9K8 UniRef90_A6Q9K8 UniRef90_A6Q9K8	V S S D
UniRef90_L9L6B7 UniRef90_V9NET2 UniRef90_M3WXP9 UniRef90_UPI00035D0694 UniRef90_B3GAT0 UniRef90_G5APS2 UniRef90_R7IQH4 UniRef90_UPI0003B356BD	VSCNFNSDTHSSTFNSGAGIALKDHFVKLISSYDNEFGYSVSTDFINDNRSSIYDSKATLQNNKRFFKVVSWYDNEWGVSCDFNRDIHSSTFDAGAGVALFDHFVNLISWYDNEFGYSVSSDFVGNEKSSIIDGMS I MTSGRQVKVLAWYDNEWAYAVSTSTNGDNHSCIFDATAGAPSMVSTSTNGDNHSCIFDATAGAPSMVSCNFNSDTHSSTFDAGAGIALNDHFVKLISWYDNEFGYSVSSDVIGMRYGSLFDATQTMVAQTYQVQVVSWYDNENSYTVSSDIVGMRFGSLFDATQTVDDDTYEVQVVSWYDNENSYT
UniRef90_F6VAC7 UniRef90_A1S9A4 UniRef90_F8QMS9 UniRef90_U7UFY5 UniRef90_C5BAU7 UniRef90_A4CPC3 UniRef90_K8EC93 UniRef90_Q56RF1	V S C D F N H D P R S S V V D G T Q T R V S A G H L V K M L L W C D N E W G F A V S A D F I G D T H S S I F D V S V D Y R G N E N T A T I D L P L T L T M E G G M V K I V A W Y D N E W G Y S V S T D F N H D P H S A I V D G T Q T R V S G R H L I K T L V W C D N E W G F A V S I D I N N S Y Y S C T F D S Q M T S V Y G N L V K V I G W Y D N E T G Y S V S T D Y I N D K R S S I I D A L S T K V V D K R H L K M Y A W Y D N E Y G Y S V S T D
UniRef90_H5SJJ3 UniRef90_H0IZB7 UniRef90_A4C843 UniRef90_H8YXT9 UniRef90_UP100040653E3 UniRef90_R7MDX4 UniRef90_J7SKQ7 UniRef90_U7D621 UniRef90_Q26BI6 UniRef90_R5TRG4 UniRef90_R9S5V0 UniRef90_E1BH84 UniRef90_UP100047A5166	V S S D C G D P H S A F V D L S S T K V V E K S L V K V V A F Y D N E W G Y S A S F D F N H D P R S G F L D A T Q T R V A G T R L I K L L C W F D N E W G F A V S I D F N H D P R S S I I D A L S T M V I N E T Q V K L Y V W Y D N E W G Y A V S V D Y L N D P R S S I V D A L S T L V V D D T Q V K I Y A W Y D N E W G Y A V S S D V L R Q E T G A L V D L R M T K V V A G D L V K V L S W Y D N E W G Y A V S S D I I G M T Y G S L F D A T Q T K V T T D T L V K I A A W Y D N E N S F T V S S D I I G S T E G A L V D G L L T K V V N G S L I K V S A W Y D N E W G Y T V S A D F N H D P H S A I V D G T Q T R V S G Q H L I K M L V W C D N E W G Y A V S V D Y T N D T R S A I I D A Q S T M V V D K R Q V K I L A W Y D N E T G Y V V S I D I S G S P Y S C I F D S Q M T S V I G K L I K V I G W Y D N E S G Y S V S S D I I G S T H G G V V D G L L T N V L S V D G V K V V A W Y D N E M S Y S A S W D F N H D A R S G I V D G G Q T R V A G K H H V K V L T W F D N E W G F A V T C N F N S D T H S S T F D A R A G V S G D T I G S S F G S I F D A T L T K V I T T Q M V K V N S W Y D N E S S Y V

UniRef90_A3Y4W7	330 N R A <u>A E L A L</u> K V G
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UniRef90_Q6WEV4 UniRef90_H1Y1Z3	S R L S D L V E K [
LINIDATOO LODVOA	COLLDTTVVLA
UniRef90_M1PEW1 UniRef90_E6RQN1	N R ML DL I L Y M
UniRef90_F8N869	S Q MVR TIKFFA E
UniRef90_R6BZV8 UniRef90_G5C7P3	SQMVRTIKYFSE NRWWHIMWHMASKE
UniRef90_E0S803	CRVYDLLKYAYSRK
UniRef90_A8UKB9 UniRef90_A6VWE5	NRMILDLILYM NRTAELMLKVGQSD SQMVRTIKFFAE SQMVRTIKFFSE NRVVHLMVHMASKE CRVYDLLKYAYSRK TRLLDLICNLSDKK NRTAELMRKVG
UTIINEIBU_FZQTIZZ	
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UniRef90_A3VDE4	A R MADVAA T MGQ
UniRef90_V5RJ18 UniRef90_B2GH84	NRTVELARMVGA ARMADVAATMGQ SQFIRTIKYMLS LRLVDFVSYVADK
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UniRef90_L0WAN1 UniRef90_UPI00047AF3D8	NRMLDVALH NRLVDLVVKIS
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LINIDATOO AODOSA	
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UniRef90_C5J6X4	SQFVRLVSLLSK
UniRef90_D0I4N9 UniRef90_J6FN34	QRTLDLVELIG NRMLDLAQFI SQFVRLVSLLSK NRMLDTALAMA SRMCDLALYMHQRD SNMVGTLEHFA KRMLEMCLYI
UniRef90_U5SBE0	SNMVGTLEHFA
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UniRef90_UPI0003D0C8A6 UniRef90_UPI00042919FB	NRVVDLMAYMGSKD TRTAELMKKVG
UniRef90_K2AIZ7	LRVIDLAVYI NAK
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UniRef90 B4RWC5	NRM L DTAK V M
UniRef90_H3NBS5 UniRef90_K7STJ6	G N M V R T L E R L A N R M I D T S V L F G A
UniRef90_F3YW60	C R I I A D L L I
UniRef90_E3H664 UniRef90_UPI000363C9A5	AQLVRTCKKFAS TRTAELIRKVGQ
UniRef90_M5J8Z7	S N M I R T L L <mark>H</mark> L A K
UniRef90_Q1YUK7 UniRef90_R6DPI0	N R MMELAAKVA A CQLIRTLKYL
UniRef90_W9E2I8 UniRef90_A6Q9K8	N R M C D I A E Q R L L E L A D Y V A K K
UniRef90_G3GZ97	
UniRef90_L9L6B7 UniRef90_V9NET2	S R E VY L G V H M A S K E
UniRef90_M3WXP9	TVVDLMVYMASKE
UniRef90_UPI00035D0694 UniRef90_B3GAT0	S R V I D L T Q H M I S H E
UniRef90_G5APS2	N WVVDLMVH MASKE
UniRef90_R7IQH4 UniRef90_UPI0003B356BD	S Q M V R T I K Y F A E S Q M V R T I K Y F A E
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UniRef90_A4CPC3	S R V R D T I E
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UniRef90_H0IZB7 UniRef90_A4C843	NRMLDISQRLASLE NRTAELARMVG
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UniRef90_K1XUS5 UniRef90_UPI00040653E3	VAMLEKHVTK SQMIRTAKYLAE
UniRef90_R7MDX4	AQMLRVA <u>E</u> YW <mark>C</mark> KK
UniRef90_J7SKQ7 UniRef90_U7D621	N R ML D T T L A M A E H R M S D L C R K V A Q
UniRef90_Q26BI6 UniRef90_R5TRG4	N R L K D L T L K I S S P D S Q M V R T A K R L
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5	

	40 00 00 40	
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UniRef90_S6AQK5	KIVIAII IN G Y G RII IG R <mark>CI</mark> VI IR AII I H F R G D F F II VIAII IN DII IA D Q A	
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UniRef90_Q6ALS4 UniRef90_D3R612	R	
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UniRef90_H0XUI9	KAKVGI NVFGHI GELVTRAAFNSGKVDI VTLSDPFVDE	
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UniRef90_Q7VH10 UniRef90_UPI0003651567	LNI AI N GFGRI GRSI MRVAL QHKYKEHI SI IN DIN DWE V V L Y G F G R I G R L L A R I L I D R E A L Y V V V R K N S P D D L A	
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UniRef90_N6W0C1	VVLYGFGRIGRLLARILIERLRAIVVRQGGAENDLE	
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UniRef90_A3JP38	IKVAI NGFGRI GRELLARLLIEKNGANI VVRGGREGDLE	
UniRef90_A3XD91 UniRef90_E2Q1F0	MKI AI NGFGRI GRAI LRQI LTTTRGEGVALINDI APLE VVLLYGFGRI GRELAREL LEKAGSGEVVRKGAGQDLV	1
UniRef90_UPI000373DCA7	RVÁLNGYGRUGQSVLRALYEGGYRDQVVALNEUŠDLE	1
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UniRef90_Q76EG2	RIGRNVLR CWHGRTNFDITVINAGSMTPQ	
UniRef90_E7G038 UniRef90_D5VB79	VAINGTGRIG <mark>LO</mark> VSRILGARTDVELVALNST <mark>C</mark> DTP KLRLAINGFGRIGRNILRAYLQQGHIEIVAINDI ADNQ VVLYGFGRIGRLLTRLLIEKSGPGIVVRGGKDGDLE	
UniRef90_B7VQW2 UniRef90_UPI0003760ABA		
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UniRef90_L5LT91 UniRef90_V4JAU1 UniRef90_V4JAU1 UniRef90_V4JAU1 UniRef90_UPI000478F0E3 UniRef90_UPI000478F0E3 UniRef90_UTG099 UniRef90_UTG099 UniRef90_Q1QX87 UniRef90_Q1QX87 UniRef90_Q7WH10 UniRef90_UPI0003651567 UniRef90_UPI00040BAB9F UniRef90_UPI0003B44CC1 UniRef90_UPI0003B32CB6 UniRef90_UPI0003B32CB6 UniRef90_UPI0003B32CB6 UniRef90_UPI0003B32CB6 UniRef90_UPI0003B32CB0 UniRef90_UPI0002F49420 UniRef90_A7I7U0 UniRef90_A7I7U0 UniRef90_W8QWX4 UniRef90_UPI0002F49420 UniRef90_UPI0002F49420 UniRef90_UPI0002F49420 UniRef90_UPI0002F49420 UniRef90_UPI0002F49420 UniRef90_UPI0002F49420 UniRef90_UPI0002F49420 UniRef90_UPI0002F49420 UniRef90_UPI0002F49420 UniRef90_UPI0002F49420 UniRef90_A3WD3 UniRef90_A3WD3 UniRef90_A3WDA7 UniRef90_A3WDA7 UniRef90_A3WDA7 UniRef90_UPI000373DCA7 UniRef90_UPI000373DCA7	A M A H L L R F D S T H G R F H T P V T V Q G D G L R G D D H V V V T Q E K D E K D A H L L K Y D T A Y G V Y D K D V T G Q K N Y L F N G C E I P F S Q A K T D D K L L T H D S V H Q C N P I T H H L D N K N F I F N G C E I P F S Q A K T D D V V Y L I E H D S T H G P L A T V K H S N G M L R I N G Q R A P R L L E Q P K K Y V L I T R Y D T T H G R L A E P A T V K H S N G M L R I V V D D G R R V R L L E E P Q K K R A S L L R R D S V H G P F N G E V V D D S D R S A I L A N G T F I Q V I Y A S N S T L R R D S V H G P F N G E V V D D S D R S A I L A N G T F I Q V I Y S S D D K K R A S L L R R D S V H G P F N G E V V D D S D R S A I L N N G T P I Q V I Y Y S D D K K R A S L L R R D S V H G P F N G E V V D D E E N F S I G G R P L R V V V S D D S D R S A I L L R R D S V H G A F N G T I S V D D E E N F S I G R R K K V K V L S E R R D S V H G A F N G T I S V D D E E N F S I G G R R K K V K V L S E R R D S V H G A F N G T I S V D D E E N F S I G G R R K K V K V L S E R R D S V H G A F N G T I S V D D E E N F S I V D D G H A I H V V S A R R T Y M Y L L E R D S V H G A F N G T I S V D D E E N F S I V D D G H A I H V V S A R R T Y Y M Y D S V L G V D S V L G V L E R S E R E L L V D D G H A I H V V S A R R T Y Y M F Q Y D S T H G K F K G S T V K A D D R N K K V V I N N A A P D T T H G K F K G S T V K A D D R D R S A I I L A N G S T F K N N T T C A Y L I R R D S V H G S F K G S T V K A D D R D R S I D G R R K K V V I N N R A P D T T G S F G F C G S F F V D S G T S F C C V D N G G R R K L Q V D S D D S L A Y L T R F D S T H G K F K G S T V K A D D R D T T G S F R R I A Y L T R F D S T H G K F K G S T V K A D D R D T T G S F R R I A Y L T R F D S T H G K F K G S T V K A D D R D T T G S F R R I A Y L T R S D S T F G G F R S G T V E T G G D S L V I N N G G T S I R L L Y Y S S D D T G S F R C D S T F G D S T
UniRef90_Q8X1J6 UniRef90_Q76EG2 UniRef90_E7G038 UniRef90_D5VB79 UniRef90_D9VKF9 UniRef90_UPI0003760ABA UniRef90_UPI00045618FB UniRef90_F6EFJ0 UniRef90_H3NTD7 UniRef90_R4YLV8 UniRef90_A7T3Q4 UniRef90_J9NTW9 UniRef90_UPI0003FEED2C UniRef90_UPI0003FEED2C UniRef90_L8JHX7 UniRef90_F2IBQ0	Q A A H L L K Y D S V L G T F D A D V T Y G E D WL A I D G K Q I K L I A S R D T L I H L L R F D S L H R P S L P I E M L D T D Y I R I G S Q Q V R V L H E R D M L H L L K F D S T H G R F D Q T T N Q D N S Y L T I T K H Q I L L S C D E K R A S L L R R D S V H G Q F N G S V D Q E R K A I I V N G N F I Q V I Y A N K F N Q K D K R A S L L R R D S I H G Q F Q G T I T V D E G T I V A N G N T I K V I Y A N D Y L I H A L T Y D T T H G T S K Y A G C M D I L D D A D E Q G R R K L E S Q R D K R A S L L R R D S V H G H F N G S I H V D N E T I V A N G N E I K V I Y S D D D I K Y I L T R D S V H G M F Q G T V D E E R Q S F V A N G N E I K V I Y S N A K R A S L L R R D S V H G W F Q G T V D E E R Q S F V A N G N E I K V I Y S N A K R A S L L R R D S V H G S F R G T I S I D E E K I A N G N Y I Q I I Y S N A M Y I D G D A I Q I F S E R D Y M V C M F Q Y D S T Q Q I Q W H S Q K N R K L V I N K K P I T I F Q K Q D K R A S L L R R D S V H G S F D G S I S V D P V N L W A N G T P I Q V I Y S S N K R A S L L R R D S V H G Q F N G S I T I D R K A I I V N G N Y I Q M I Y A N S K R A S L L R R D S V H G A F R G S V V E D N K T L I N G Q I V H M I D A S N K R A A L L R S D S V H G A F R G S V V E D N K T L I N G Q I V H M I D A S N

		90 100 110	120
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UniRef90		PKKLPWKQLEI DVVAESTGRFTSKEAAQQHI DAGAKI DDG <mark>C</mark> PWGELGVDVVEE <mark>C</mark> TG <u>N</u> YGN <u>A</u> SDAARHLTQG <u>A</u> KI	
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UniRef90_ UniRef90	K2BRD6	PÊNLPWK DLNVDVVIESTGAFETQK DÛQK HÎ A A GA K LGKLPWGDLDUVVLE <mark>C</mark> TGFYTD <u>K</u> EKAQ <u>AH</u> IDAG <u>A</u> K	À V V L
UniRef90		PKNVDFSSLGAQGVIECTGKFNSLEKSSVHLRDNIKF PADIHWGDLGVDIVLECTGRFLTPAALQGHLDRGARF	RVII
UniRef90_ UniRef90	_K2DX57	P K K L P W K Q L E I D V V A E S T G R F T S K E A A Q Q H I D A G A K F I D G C P W G E L G V D V V F E C T G N Y G N A S D A A R H L T Q G A K F P K N I A W E G V D V V L E C T G V F T T I E K A S A H L H G S V K F A A R L P W A E L A V D L V L D C T G V F S S R A D A G R H M A A G A A F E N L P W K D L N V D V V I E S T G A F E T Q K D L Q K H I A A G A K F L G K L P W G D L D L D V V L E C T G F Y T D K E K A Q A H I D A G A K F P K N V D F S S L G A Q G V I E C T G K F N S L E K S S V H L R D N I K F P A D I H W G D L G V D I V L E C T G R F L T P A A L Q G H L D R G A R F P E K L P W K D M G I D V V I E S T G R F T D L E G M Q K H L V A G A H F P R M L P W K E D I D L V F E C S G S F H D R E T A E L H L A S G A K F A R D L K W A N D G V E F V L E C T G F Y T S A E K S Q A H L D A G A K F L D N L P W A D Q N I D V V L E S G G S Y S K R K Q A E S H L V S G A K F L T D L P L R E M G V D V V L D C T G V F K T A A K T A P Y F D A G V R F T K I D F A S L G V D M V M E C T G K F L T V K T L Q P Y F G M G V K K F T K I D F A S L G V D M V M E C T G K F L T V K T L Q P Y F G M G V K K F T K I D F A S L G V D M V M E C T G K F L T V K T L Q P Y F G M G V K K F T K I D F A S L G V D M V M E C T G K F L T V K T L Q P Y F G M G V K K F T K I D F A S L G V D M V M E C T G K F L T V K T L Q P Y F G M G V K K F T K I D F A S L G V D M V M E C T G K F L T V K T L Q P Y F G M G V K K F T K I D F A S L G V D M V M E C T G K F L T V K T L Q P Y F G M G V K K T A P Y F D A G W R T A T T T T T T T T T T T T T T T T T	K V V L
UniRef90		A R D L K WA N D G V E F V L E <mark>C</mark> T G F Y T S A E K S Q A H L D A G A K K L D N L P WA D Q N I D V V I E S S G S Y S K R K Q A E S H I V S G A K K	(V L I (V L F
UniRef90_ UniRef90_		L	X
UniRef90		P	<
UniRef90		FTKI DFASLGVD WV MECT GKFLTVKTLQPYFGMGVKOPLKL DWKSAGAEYI VEATGKHCTTATAGLHLNSGARFPQDI PWEEVGVNV V LECTGKFNNRESSGLHLGGTVKFPANLPWGQDGAEYL VESTGVFTTQEKASAHLKGGAKFPANLPWGQDGAEYLVESTGVFTTQEKASAHLKGGAKF	K V V I I
	Q2BRD4	A S QI P WA DD GVIEL V LIE O I G F Y I S K E K S Q A H L D A GW K P A E DL P WA DL GI DL L F E C S G S F K A R S L A E L H L H S G A Q F	KIV L III R L L E
UniRef90	_V5RUM5 _UPl0003083376 _W4XUQ0	P	<
UniRef90_ UniRef90	_A0Y9R2	LS DL D WA E H E V D L V L E C S G L Y D S L D Q L E G H L D Q G V K F P E R I P W D E E K I D Y V I E A T G K F T D G S L A R K H F L R G V K F	X V L L
	_UPI00028A1F7E	PNRIPWKSLGVQIVIDASGKFTDRSGASQHLQAGAHPRNLPWGKLEIDLVLECTGMFASKEKSQVHLDAGAKFPLNMPWGKMGVDLVIEGTGVFVDSEGAGKHITAGAKF	À V I V
UniRef90_ UniRef90	_Q20FB9	PÊNMP WGKMGVDL VIEGT GÜFÜDSEGAĞKHI TAGAK LDLLP WRDLGVDL VLD <mark>C</mark> T GVY GS <u>Q</u> ADGQQHI AAGAS P	(VLI
UniRef90_ UniRef90	_Q5I5H6	P A NI K W G A V G A E Y V V E S T G V F T T I E K A G A H L K G G A K I V E K I P W A O H D I D I V I E C T G A E T D R A T A E I H I S A G A H I	? \/ F
	_UPI00036BC328	P Q E <u> V </u> D Y T E	V I L T V V A V
UniRef90_ UniRef90_		L D R L A W G D L D V D L V L E <mark>C</mark> S G R F T T R A D A Q R H L A R G A H F P S K L P W K <u>A L </u> K <u>V </u> D V V L E <mark>C</mark> T G <u>R F T</u> D N D S <u>A</u> K A H I D A G A K F	R V I F
UniRef90_ UniRef90_	_UPI000478F0E3 _R7YZG0	PEELI DI IL <mark>C</mark> GADILVIJEASGLIFILTQSEVIESHLIQKGAKF VIROLINWGLIYGAETVAE <mark>C</mark> TGKETKTTLIAKDHIJEGAAKF	< V I
UniRef90_ UniRef90_	_M0BT73	PEQLPWAEMEVDLVLE <mark>C</mark> SGHFRSHAGASRHLDAGAK PDALPWDDLGVSLVLEATGLFRTYEDAARHLEAGAD	X V L [
UniRef90_ UniRef90_	_A4SJK6	P Q D I D Y T A Y G I D N A L V V D N T G K W R D E Q H L A S K G V A K N P S D I D Y T A Y D I H N A L I V D N T G V W R D E A H L K A R G A A R N P A K L D F S P A Q V V L E C T G K F N E A A L A K A H L K G S V Q F	/ L L T
UniRef90_ UniRef90_	_Q7VH10	P K E L D F A A <mark>C</mark> G <u>A D V E S</u> S G Q F L D S K Q L T <u>H</u> H <mark>C</mark> E K <u>G </u> K <u>F</u>	X V V I X V I L
UniRef90	_UPI0003651567 _UPI00040BAB9F _UPI0003B44CC1	L	$Y \mid V \mid L \mid V \mid$
UniRef90_ UniRef90_ UniRef90_	_C4K9X5	P G N L P W K E L G V S I V I E S T G L F R K R Q D A I K H I E G G A D F P E E V D W T A L G L D L V V E C S G Q Y G G R R D L Q R F I A A G C P F P A N I K W G D A G A E Y V V E S T G V F T T M E K A G A H L K G G A K F	2 I I I I
	_UPI0003B32CB6	LENLDLNNI DI LI D <mark>C</mark> T GAHNNSSDLK KYFDKGVKI	$\langle \vee \vee \rangle $
UniRef90_ UniRef90_	_N6W0C1	PDKLDYTDYGINNAI IIDNTGKWRDELHLKSKGASR <mark>I</mark> PARIPWK <u>E</u> HGIDIVLE <mark>C</mark> TGVFTKR <u>LA</u> AAAHITAGASF	VILT RVII
UniRef90_ UniRef90_	_A3SJZ3 _UPI0002F49420	L S A L D	4
UniRef90	_W8QWX4 _Q1GDZ0		ži v i i i i i i i i i i i i i i i i i i
UniRef90_ UniRef90_	_Q5NYJ7	P D S I D Y T E Y G I N D A I I I D N T G V W R D E Q H L K S K G A A K N P E E V D W K G I G V D L L I E C S G C Y T Q R Q D F D R F V E A G C E F P A Q L P W G E L G V D I V F E C T G I F R E K E G L Q K H L Q A G A R F P A E V D Y T K Y G I R N A L I V D N T G I W R D E A H L K C P G A S K S S A N I N W Y V L E P T G L Y T T M E N A G H Y L K G T A K S A N I N W Y	V I L I
UniRef90_ UniRef90_ UniRef90	E2CL25	PAGLIPWGELIGVDII VI EUTGII REKEGLIQKHLIQAGARI PAEVDYTKYGLIRNAL I VDNTGI WRDEAHLIK CPGASKI	1 V I L T
UniRef90		PAQLPWKQLGVDVVLECSGKFKSRALVDQHLQAGAQF PDQVDYTQYGIDNAIVIDNTGIWKDEAHLKSKGVAK	ZVFA
UniRef90_ UniRef90	_ _A3JP38	L G S I D L S N I D I L M E C T G L A K K R D I A E Q C L R A G A R F L T Q V D L S G V D V V L E C T G L A R S S D V A Q R G L A A G A G F P T A V D Y T A Y G I R D A I L I D G R W R D R E G L S K H L R P G L A F C C C C C C C C C C C C C C C C C C	V L I
UniRef90		PTÂVDYTĀYĞIRDAILIDGRWRDREĞLSKHLRPĞIA A A A A M P W D E M D V D L V L E C S G T F S D R K T A Q Q H L D S G A R A	ĊΙννι ΚΙΙΙ Ε
UniRef90_ UniRef90_	_Q1WLW5 _Q8X1J6		
UniRef90_ UniRef90_	_E7G038	P T K <mark>C</mark> G W G D M G V E V I T E G T G A F N S L E G S S K H L E A G A K I P A K L N F N P A T L V L E <mark>C</mark> T G K F N D L E L S K V H L K N G V K (Q V I I
	B7VQW2	PTKCGWGDMGVEVIIEGTGAFNSLEGSSKHLEAGAK PAKLN FNPATLVLECTGKFNDLELSKVHLKNGVKO PKYLPWADLNVDVVLECTGQFRSYADANRHRTAGAKO PAEVDYTSYGIENALVVDNTGVWRDASQHVACNGAK	Q
UniRef90_		P S N	V
UniRef90		A T K L D WS A A R V D I V L E C T G K L K T K E A A S A H L A P K P R N P T T I D Y T T Y G I N D A V L I D N T G K WR D R A G L S Q H G V A K N P E N I K W D Y N I D V V L E A S G V E T T	/
UniRef90_ UniRef90_ UniRef90	_H3NTD7	PENIK WIDYNI DVVIEAS GVFTT IKALNMHNAPI PEDVDYEAHGN <mark>C</mark> L V VDNT GVWR DR DGLSRHLK GVSK PEEVDYTE <u>F</u> GIN <u>NAL VI</u> DNT GIWR DQAHLQAK GAAR	<
UniRef90_ UniRef90_ UniRef90	_A7T3Q4	P	MIVIII
	_UPI0003FEED2C	PTTIDYTEYGIDNAI VVDNTGRWRDEQHTQAKGVSKA PAEVDYSVYDI VNALTGIWRDTDGLSQHLN <mark>C</mark> TGASKI	∆ I T
UniRef90_		PEDVDYTKYGI NNVI DNTGVYTNREALSKHLAAGVSI	Ţv Ľ Ľ

UniRef90_T1DWL4 UniRef90_S6AQK5	130 140 150 160 SAPAIDDTKTFVLGVNAQDYKGERIISNASCTTNCLAPIA SQPADIDATIVYGVNQDSLTGAERLYSNASCTTNCGVPLL
UniRef90_F3L3H0 UniRef90_A3V7Z0 UniRef90_V8C589 UniRef90_F7XU15	S A P A D D D T K T F V L G V N A Q D Y K G E R I L Y S N A S C T T N C G V P L L S Q P A D I D A T I V Y G V N Q D S L T G A E R L V S N A S C T T N C G V P L L S Q P A D I D A T I V Y G V N Q A L L Q S A H Q V A S T G S C T T N A I V P V I S A P V K D G N I V Y G V N S E T Y D P K L H Q I V T A A S C T T N C L A P V V S A P A K D S T P T F V L G V N H T Q Y K G E P I I S N A S C T T N C L A P I A S A P S A D A T I V M G A N E T A L D P F T H K V I S I G S C T T N C L A P I A S A P S A D A T I V M G A N E T A L D P F T H K V I S I G S C T T N C L A P I A S A P S A D A P F D T V D I V Y G V N H N T L T P E D T I I S G A S C T T N A L A P V V S E P P D V D A T I V Y G I N E D T L T V S D K V I S N G S C T T N C I V P V I S A P S A D A P M F V M V N N T T Y N K E T M N V I S N A S C T T N C V V P V I S H P S D V D A T I V Y G V N H H Q I T G H E T I V S N A S C T T N C V V P V I
UniRef90_R9B1F6 UniRef90_W5USJ5 UniRef90_UPl0000E0F4EC	GAAPFDTVDIVYGVNHHEVKASDQIISSVSCTTQALVPLV SAPAGNNLKIVYNVNHNTLTPEDTIISGASCTTNALAPVV SEPPDVDATILIYGINEDTIITVSDKVISNGSCTTNCIVPVI
UniRef90_Q27782 UniRef90_H2FXN2 UniRef90_K2BRD6	SAPSADAPMFVMVNNTTYNKETMNVISNASCTTNCLAPIC SHPSDVDATIVYGVNHHQLTGHETIVSNASCTTNCVVPVI SAPFKDQEENPTYVDQSGNQKIENIISNASCTTNCITPIA
UniRef90_Q8VM71 UniRef90_V8CBL5 UniRef90_UPI0003788788	SHPSDVDATIVYGVNHHQLTGHETIVSNASCTTNCVVPVISAPFKDQEENPTYVDQSGNQKIENIISNASCTTNCITPIA SAPAKDVKTIVFNTNHDALDGSETVVSGASCTTNSLAPVA SAPAESTPTFVYGVNHTDYKGEEVISNASCTTNALAPIA AAPVKDPNVVVGVNEQLYEPAMHPIVTAASCTTNCLAPVV SAPAKGEGVGTFMGVNHDKYEGQYLINNASCTTNCLAPVV
UniRef90_K2DX57 UniRef90_Q6ALS4 UniRef90_D3R612	S A P A K G E G V G T F M G V N H D K Y E G Q Y L I N N A S C T T N C I A P V A S H P S E V D A T V V F G I N E G L L K P A H R V V S N A S C T T N C I L P V L S A P A K D E T T P V F G V N H D I L K K D D N I V S A G S C T T N S M A A M V
UniRef90_UPI00036CEEFA UniRef90_A8LIE2 UniRef90_B7GC94	S A P V K D V N L V Y G V N H D L Y D P A A H R L I T A A S C T T N C L A P V V S A P V K E D G N V V L G C N H Q K L T T D H T L V T N A S C T T N C L A P V V
UniRef90_M7WNF8 UniRef90_B9KH83 UniRef90_UPI0000236629 UniRef90_H0XUI9	S A P A K G E GIV G I F M G V N H D K Y E G Q Y L I N N A S C I I N C I L P V L S A P A K D E T T P V F G I N E G L L K P A H R V V S N A S C T T N C I L P V L S A P A K D E T T P V F G V N H D I L I K K D D N I V S A G S C T T N S M A A M V S Q P A D V D K T I V F G V N Q D L L D S S D E I I S G A S C T T N C V V P V I S A P V K D V N L V Y G V N H D L Y D P A A H R L I T A A S C T T N C L A P V V S A P V K E D G N V V L G C N H Q K L T T D H T L V T N A S C T T N C L A P V V S A P A K D T K T I V V G V N R K D Y K P D M D V V S N A S C T T N C L A P L A S A P V A D A D I Q V I F G V N E A I S S E H D V I S V G S C T T N C L A P L A S A P S A D A P M F V M G V N N E T Y K K D I Q V L S N A S C T T N C L A P L A S A P A G P I K T I V V N V N D D T I D A S D O I V S A G S C T T N A I A P M A
UniRef90_C2CY10 UniRef90_Q2BRD4 UniRef90_V5RUM5	SAPAGPIKTI VYNVNDDTLDASDQI VSAGSCTTNALAPMA SQPATDEVDI VFGLNEQLLRPEHTVVSAASCTTNCI IPVL SAPTKGGDAQTFMGVNDSQYLGQNI I SNASCTTNCI ISPVL
UniRef90_UPI0003083376 UniRef90_W4XUQ0 UniRef90_A0Y9R2	SHPGDVDNT I YGVNHESLTAEHNVVSNGSCTTNCI I PVI SAPSADAPMEVMVNEDKYEAASMNI VSNASCTTNCLAPLA
UniRef90_F8C2R3 UniRef90_UPI00028A1F7E UniRef90_Q98RG3	TAPGKDFTAVMGVNDHLYDPKQHQLLSTASCTTNCAAPLL SAPSGDVKTLVYGVNDSSLSSEDKIVSAASCTTNCLAPLV
UniRef90_Q20FB9 UniRef90_U3AF69 UniRef90_Q5I5H6	TAPGKDIPTYVVGVNAQNYKHTDTIISNASCTTNCLAPEV SHPGDLDNTIIYGINHQSLKPEHNVVSNGSCTTNCIVPII SAPSADAPMEVCGVNLDKYDPKYTVISNASCTTNCLAPLX
UniRef90_B8KU58 UniRef90_UPI00036BC328 UniRef90_L5LT91 UniRef90_V4JAU1	A P G K G D L K N L V Y G L N N G D L K P E D K L L S A A S C T T N A L V P V L N D P F L D P F Y M V Y M F K Y D S T H G O Y K F O C N A S C T A N C L A P L A
UniRef90_V43A01 UniRef90_K2ENR0 UniRef90_UPI000478F0E3 UniRef90_R7YZG0	SAPTKGGTAQTFI GVNDDQYLLGQNL I SNAS <mark>C</mark> TTN <mark>C</mark> I SPVV
UniRef90_U7G099 UniRef90_M0BT73 UniRef90_Q1QX87	GAVPFDQADQVYGVNHETVAADHKVMSAGSCTTHCIAPLL SAPPKGETPVPAFVYNHETYDGEAVISNASCTTNSVAPVM APGKGGVKNIVHGINHDEITDEDRVISAASCTTNAIVPVL
UniRef90_A4SJK6 UniRef90_K4RMJ1 UniRef90_Q7VH10	A P G K G D M K N V V F G V N H E V I G P D D K I I S A A S C T T N A I T P V L S A P A K N T P T F V Y G V N H T H Y K G E P V I S N A S C T T N A L A P I L S A T P T D N M P T F A L G V N H T L Y A K E S I I S N A S C T A N A L A P L C
UniRef90_UPI0003651567 UniRef90_UPI00040BAB9F UniRef90_UPI0003B44CC1 UniRef90_C4K9X5	SATPTDNMPTFALGVNHTLYAKESII SNASCTANALAPLCAPGKGDLKNIVYGINHKELQPADTIL SAASCTTNAITPVLSAPSKDAVLLKGINLDEFDAANHKII SMGSCTTNGLASVVSAPAPDITIVGVNEESYDPDKHYII SNASCTTNCLAPPTSHPGDVDVTVVFGINEDELRGPGRLVSNASCTTNCLAPPTSAPSADAPMFVMGVNHDKYDNSLKIVSSASCTTNCLAPLA
UniRef90_L5LWF3 UniRef90_UPI0003B32CB6 UniRef90_T0XT91	TAPAADCTI VMGVNENI Y DPGKHNI I SNASCT SNCI APV V
UniRef90_N6W0C1 UniRef90_A7I7U0 UniRef90_A3SJZ3	S A P S A D A D F IV I G IV IN E R S F D P K K H H II V S N A S C T T N S L A P IV IA S G P S A <u>E</u> A D <u>I T</u> L <u>V L G</u> A N D A <u>A L G</u> A E R I I S N A S <mark>C</mark> T T N A L <u>A</u> P L <u>A</u>
UniRef90_UPI0002F49420 UniRef90_W8QWX4 UniRef90_Q1GDZ0	S H P A D V D A T V V Y G I N H E S L A G T E R L V S N A S C T T N A I V P V L A P G K G E L K N I V H G I N H G E I T A D D K I V S A A S C T T N A I V P V L S G P S P A A E V T V V Y G V N D A D L A G A Q I V S N A S C T T N A V A G L V A P G K G D I K N I V A G I N N E D I A A D D S I I S A A S C T T N A I V P P L
UniRef90_A4A891 UniRef90_Q5NYJ7 UniRef90_I5B194 UniRef90_E2CL25	S Q P G D V D L T V V Y G I N H G E L G R D Q R I V S N A S C T T N A V V P V L S S P E K T G E V V S V V H A V N R P E G N P E L I S C A S C T T N C I A P V V A P G K G D I K N V V Y G V N H T D V T E D D D I L S A A S C T T N A I T P V L P F P S D D F P V F V M V M N K K Y D N L L K I V S N V S C T T D C L A P L A
UniRef90_D3ZQ40 UniRef90_I7A9J3 UniRef90_A3WPA7	A P A K G DILK NIV VE GIVIN D S DILLED D RILLS A A S C T T N A I T PIVI
UniRef90_A3JP38 UniRef90_A3XD91 UniRef90_E2Q1F0	S G P S P N A D T Y V M G A N D D A L T P D H L I V S N A S C T T N A I A P L L S G P S P A A E Q T V V F G V N E K R L G G A R I V S N A S C T T N G L A P L V
UniRef90_UPI000373DCA7 UniRef90_Q1WLW5 UniRef90_Q8X1J6	HI I S N A S C T T N C I A P M A
UniRef90_Q76EG2 UniRef90_E7G038 UniRef90_D5VB79 UniRef90_B7VQW2	TAPGKNCPTYVCVNEADYDPATEHVVSNASCTTNGMASVC SAPAKNTPTFVYGVN HTNYTGQSVISNASCTTNALAPLL GAAPFDRVDLVIGVNDHKLHADLPIISGVSCTTQALVPLL TAPGKGELKNVVVEVNONDLOPEDTLISAASCTTNALTPVL
UniRef90_UPI0003760ABA UniRef90_D9VKF9 UniRef90_UPI00045618FB	TAPGKGELKNVVFVNQNDIQPEDTIISAASCTTNALTPVL SAPADDTKSIVIGVNDHLLTKDDIIVSNASCTTNSAAPLI APGKGDVPNIVHGVNHDTIKPDERVLSCASCTTNAIVPPL SAPSSDARTFVYVNHGDFDADADRIVSNASCTTNALAPLV
UniRef90_F6EFJ0 UniRef90_S7XIK1 UniRef90_H3NTD7	A P G K G DIV K NIL VIH GIV IN H NIV I LE D S D QII I I S LA S C I I N A II A P A IL
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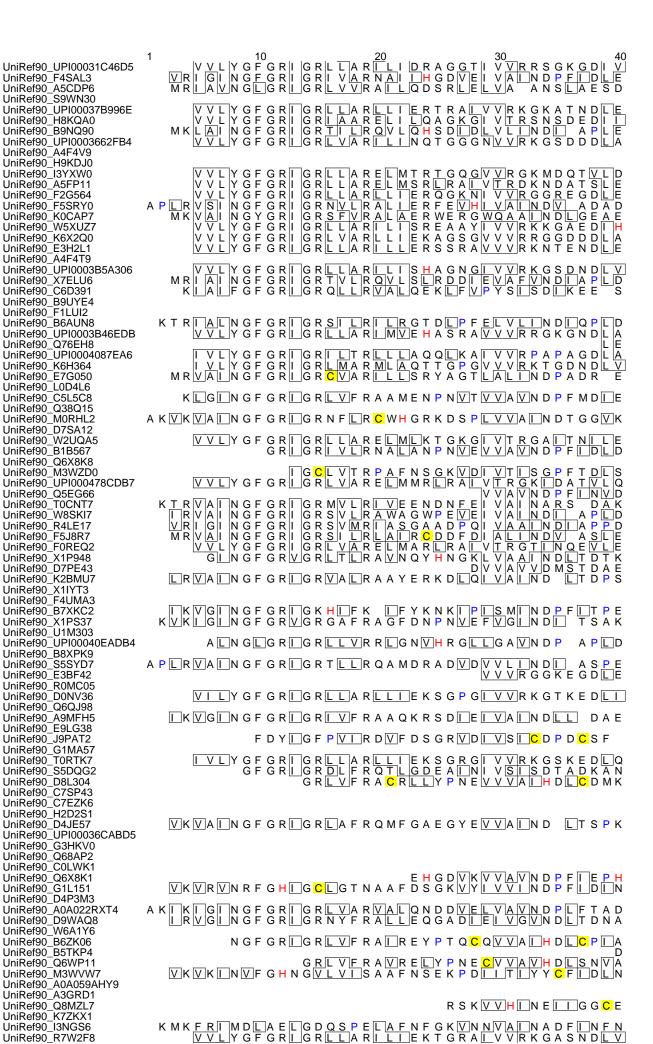
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UniRef90_S6AQK5	KLLNESVGLEYVSI TTI HSAMNDQPVI DAYHHEDLRRTRS	
UniRef90_F3L3H0 UniRef90_A3V7Z0	D A L D K A F G D Y G T T T H S A M N D Q P V L D A Y H H T D L R K T R A K V L L D G [G T H G S T T H N V T N T Q T V D R P A K D L R R A R S	
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UniRef90_H2FXN2 UniRef90 K2BRD6	ETLHRVFHIKCGNLTTIHSAMNDQQVIDAYHADLR RTRAKVIEDNFGIEKAMMTTIHGYTSDQRLQDGG HKDYRRARA	
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UniRef90_Q5I5H6	~ X X X X X X X X X X X X X X X X X X X	
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UniRef90_T0XT91 UniRef90_N6W0C1 UniRef90_A7I7U0 UniRef90_A3SJZ3	A G V S M I P T T T G A A R A I G L V I P E M E G R L D G T S I R V P T P D V S A P L N M V D T E T G A A K A V S K A L P E L K G K L T G N A I R V P T P N V S A A V S L V P S T T G A A E A T A L T I P A L K G K M H A M A I R A P V P D G A
UniRef90_UPl0002F49420 UniRef90_W8QWX4 UniRef90_Q1GDZ0 UniRef90_A4A891	A MOS FVPVS T GLAK GVERL L PELS GRVQAKAI RVPTLNVS A ALN MV L T E T GA A T A A A KAL PV L K GK L T GN A I RVPTPN V S A QS MVPT T T S A MHL I DVV L PRL K GRI S GA A V RVPTA S V S
UniRef90_Q5NYJ7 UniRef90_I5B194 UniRef90_E2CL25	A MQS MI PVG T GLA QGVE R FL P QLA GRVQA KAI RVP L LNVS A AVN F VPT T T GA A KATT KVL P QY S GK F D GVA V R G P I P V G S A PLN MV LT S T GA A S AVA K CL P E MK G K LT G N A V R V P L P N V S
UniRef90_D3ZQ40 UniRef90_I7A9J3 UniRef90_A3WPA7 UniRef90_A3JP38	A A E S MV P S T G A A K A V A K A F P A L K G K L T G N A I R V P T P N V S A P L N M V I T S T G A A K A V A K A F P A L K G K L T G N A I R V P T P N V S A A L S M V P T T T S A S R L T D L V L P H L A G K V E G S A V R V P S A S V S
UniRef90_A3XD91 UniRef90_E2Q1F0 UniRef90_UPI000373DCA7 UniRef90_Q1WLW5	A ALNMVLITSSATYLIDEVLPHLKGKISGAALRVPVPASVS AALNMVITETGAASAVAKALPDLKAKITGSSIRVPVPDVS AMHSIIPVNTGLNKGIDRLLPDLAGREESLHVRVPTINVS VNGNIIPSSTGAAKAVGKVLPELKGKLTGMAFRVPTNDVS
UniRef90_Q8X1J6 UniRef90_Q76EG2 UniRef90_E7G038 UniRef90_D5VB79	A M Q S I P V S T G L A R G V E R L P A L A G R V Q A K A R V P T H N V S A Q H I P A S T G T P H G I Q A V N N L I P A T T T G S A K A I S L I Y P E L K G K L N G H A V R V P T P D V V S A G V S M I P T T T G S A K A I S L I Y P E M E G R L D G T S I R V P T P D V V S A P L N M V I T E T G A A R A I G L V I P E L K G K L T G N A I R V P T P D V Q S A P L N M V P T T T S A Q H Q T G L V L P K L K G R M A A R A I R V P T L N V S S A A L S M V P T T T S A Q H Q T G L V L P K L K G R I E A R A I R V P T L N V S S A A L S M V P T T T S A Q H Q T G L V L P K L K G R I E A R A I R V P T L N V S S A A L S M V P T T T S A Q H Q T G L V L P K L K G R I E A R A I R V P T L N V S S A M C S M V P T T T S A M H L I D V V L P R L K G R I S G A A V R V P T A S V V S S A P L N M V I T T E T G A A K A V A K V L P Q L S G K L T G N A I R V P T P N V V S A P L N M V L T T T G A A K A T T K V L P Q L S G K L T G N A V R V P T P N V V S A P L N M V L T T T G A A K A T T K V L P Q Y S G K F D G V A V R Q P I P V V G S A P L N M V L T T T G A A K A T T K V L P Q M S G K L T G N A V R V P T P N V V S A P L N M V L T T T S A A K A I R V P T P N V V S A P L N M V L T T T T G A A K A T T K V L P Q M S G K L T G N A V R V P T P N V V S A P L N M V L T T T S A A K A I R V P T P N V V S A P L N M V L T T T T G A A K A T T K V L P Q M S G K L T G N A I R V P T P N V V S A P L N M V L T T T S A A S A I V A K C L P E M K G K L T G N A L R V P T P N V V S A P L N M V L T T T S A A S A V A K A L P P L L K G G K L T G S A L R V P T P N V V S A P L N M V L T T T S A A S A V A K A L P P L L K G G K L T G G S A L R V P T P N V V S A P L N M V L T T T S S A T Y L I D E V L P H L K G G K L T G G S A L R V P T P N V V S A P L N M V L T T T S A A S A V A K A L P P L L K G G K L T G G S A L R V P T P N V V S A A L S M V P T T T S A S A R L T D L K G G K L T G G S A L R V P T P N V V S A A L S M V P T T T S S S L N A T E R V L P E L K G G K L T G G S A L R V P T P N V V S S G G H N L I P S T T G A A K A V A K A L V L P L L K G G K L T G G S A
UniRef90_B7VQW2 UniRef90_UPI0003760ABA UniRef90_D9VKF9 UniRef90_UPI00045618FB	A S L N MV L T S T G A A K A V S K A M P E M E G K L T G N A I R V P T P N V S A A E S I V P T T T G A A K A L T K I F P S L E G H V G G A G I R V P V P N G S A P L N MV I T E T G A A S A V A K A L P D L K A P I T G S S I R V P V P D V S A S A N I I P T S T G A A K A L S K V L P W T E G R L H G I S I R V P V C N V S A P L N M V L T E T G A A S A V A K A L P E L G G K L T G S S I R V P T P D V S A L T N I I P S T T G A A K A V G K I I P R L N N K L T G M S L R V P V D V S
UniRef90_F6EFJ0 UniRef90_S7XIK1 UniRef90_H3NTD7 UniRef90_R4YLV8	A PLIN MV I T E T G A A S A V A K A L P D L K A PI T G S S I R V P V P D V S A S A N I P T S T G A A K A L S K V L P W T E G R L H G S I R V P V C N V S A P L N M V L T E T G A A S A V A K A L P E L G G K L T G S S I R V P T P D V S A L T N I I P S T T G A A K A V G K I I P R L N N K L T G M S L R V P V V D V S A P L N L V L T E T G A A K A V A K V L P E L T G K L T G N A I R V P T P N V S A A L N M V I T E T G A A S A V A K A L P I ME G L L T G N A I R V P T P N V S A T L S M I P T R T G A A E A V G L V L P E L K G K L S G L A V R V P T A N V S A T L S M I P T S T G A A K A V A K A L P E L N R K L S G L A V R V P T P N V S A T L N M V L T E T G A A K A V A K A L P E F D G K L T G N A I R V P T P N V S A T L N M V L T E T G A A K A V A K A L P E F D G K L T G N A I R V P T P N V S A A L N M V L T S T G A A K A V A K A L P E F D G K L T G N A I R V P T P N V S A A L N M V L T S T G A G A A V T K V I P N L K D K L T A N A V R V P T P N G S
UniRef90_A7T3Q4 UniRef90_J9NTW9 UniRef90_UPI0003FEED2C UniRef90_L8JHX7	A T L S MI PT R T G A A E A V G L V L P E L K G K L S G L A V R V P T A N V S A A Q D L I P V S T G A T K A A G K V P E L N R K L L G M A F H V P T P N V S A T L N M V L T E T G A A K A V A K A L P E F D G K L T G N A L R V P T P D V S A A L N M V L T S T G A A K A V A K A L P E L T G K L T G N A L R V P T P D V S
UniRef90_F2IBQ0	A AIT N MIVIT STGAGA AIVIT KVI P NLK D KLTAN AIVIRIV PTPNGS

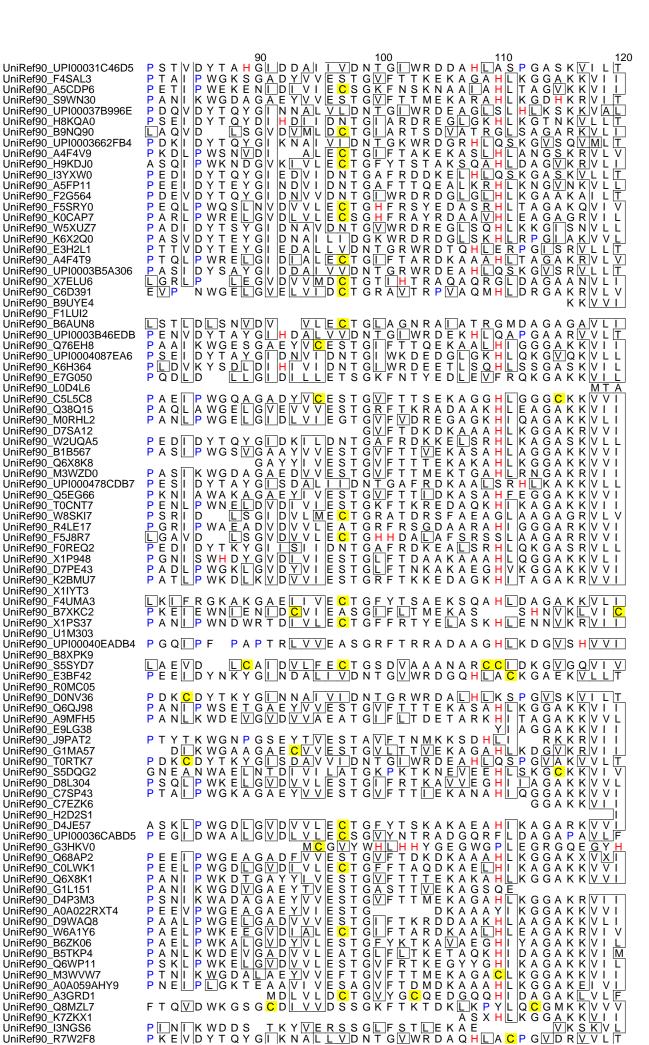
UniRef90_T1DWL4 UniRef90_S6AQK5	MVDLNAYLAKŠVDAKTLNDLFTAESKGALKĞTLGIDEEFG CLDITLQTARDTSAVEINRVLREAAESPLKGLLAYTELPH
UniRef90_F3L3H0 UniRef90_A3V7Z0	A M D L S V Y L Q R S T S L A S V N E V L R Q A A E C H Y L G V L G F T T E P L L
UniRef90_V8C589	M V D L N
UniRef90_F7XU15 UniRef90_R9B1F6	MIDLKFLSTKNTSKDEINSLMKQAISQSPT ILAVSDEKL AIDLSFVSQSPVTVHRLNEVLIGAAESDYAEIMQVTDEAL
UniRef90_W5USJ5	FVDLSTVLKKQPTVEEINAAMKKYE NESFLYNTFQL AMDLSVTLRDNVTIGQVNQVLQQAKLGQLAGTLDYTEQPL
UniRef90_UPI0000E0F4EC UniRef90_Q27782	A M D L S V T L R D N V T L G Q V N Q V L Q Q A K L G Q L A G I L D Y T E Q P L V V D L T V V L E K P T N Y E D I C A N M K K Y S E E Q L K G I L G Y T E S P V
UniRef90_H2FXN2 UniRef90 K2BRD6	A M D L S V I V E R H A S V D E V N R V L R E A A Q G P L K G I L D Y T E A P L L S D F T F L V K R N T T V E E V N Q A L E N A S K Q P F E G I L E V T R E P I
UniRef90_Q8VM71	LITELITVVLDKDVTVDQVNSAMKQAS DESFGYTEDEII
UniRef90_V8CBL5 UniRef90_UPI0003788788	L VDLSANLCVEVSAEEIN QAFRHAQT <mark>C</mark> VMKDII YVDEEK <mark>C</mark> LTDAVF <u>EM</u> QRPTSVEEVNDLFRAAAAGALNGILGYEPRAL
UniRef90_K2DX57 UniRef90_Q6ALS4	L S
UniRef90_D3R612	I T E L F T V L E K D A T V D E I N A A F K D A A D C A Y Y G Y N D D E I
UniRef90_UPI00036CEEFA UniRef90_A8LIE2	ITDCVEEMARETSVEEVNGIIKAASOGALAGIIGYEERPI
UniRef90_B7GC94 UniRef90_M7WNF8	LTDCVFEVNKEVTVEEVNAALKKASESPLKGILGFEIKPL MVDLTVRLQRPATKEDLLFPLREAATGPLSNVIAVNDEEL
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UniRef90_UPI0000236629 UniRef90_H0XUI9	VMNLT <mark>C</mark> LLEKA <u>A</u> KYDD KK <u>V</u> V KEASEG <u>LL</u> KG LGS
UniRef90_C2CY10 UniRef90_Q2BRD4	WCELVSVLKKDVTADQVNEAIKPYTKDNPA FGWNEDEL
UniRef90_V5RUM5	VCELVSVLKKDVTADQVNEAIKPYTKDNPA FGWNEDEI MMDLSINVTQSTSVEEVNQLLQRASEGPLQGLLGYTEEPH ISDITMLVEKKTTKEEVNKVFLEAKNNPFYGVLDATYAPL
UniRef90_UPI0003083376 UniRef90_W4XUQ0	A M D L S V I V H K N V K V D D V N Q S I V E A S R C I L D G I L D Y I E A P L
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UniRef90_UPI00028A1F7E	II IA DII ITIL ITIL IR S A P S A E EIVIR TIVIF Q T S PIL IY N R Y II IS W C D E PIL
UniRef90_Q98RG3 UniRef90_Q20FB9	L V D L A V Q L E K D P S V E E L N A A I K K Y A S E S F E Y S E D P L V V D L V I Q T E K K T F A E E V N A A F R E A A N G P L K G I L A V C D E P L
UniRef90_U3AF69 UniRef90_Q5I5H6	A M D
UniRef90_B8KU58	AII DIL AIVIY I REP <mark>U</mark> SAETIVIN DILLIQT <u>ASAGSILI</u> K GILLIGFTTEPILI
UniRef90_UPI00036BC328 UniRef90_L5LT91	MAIL N L N L G K E A T K E E L N E Y M R E V A L H S P Q Q I D Y T N S P E V V D L T C R L A R P T T Y S A I K D A V K A A A K G P M A G I L A Y T E D E V T T T T T T T T T
UniRef90_V4JAU1	A ML L H A V V Q R T T T A K E V N T L F R R A A A T A L E G I V G Y T E E P L V T D I T M L V S K K T T I E E V N K A L E D A A S D P Y K G V L K A T Y E P I M V D L N V N L K N K V T Q E A I N A I F C E A A N G K L K G I L G V D R E Y G L V D L T V N T D K P T S L P E L L E A F R Q A S R T S L S G V L G V V D E E L M V E L T L R L E Q T P D E A S L N P W L H Q Q A T A S G G L I G Y N D A P L I S D L T L N L E T D V T A D D V R D A I R E A A E R P L S G V L G Y T D D E I M A I L N L T L D K A A D R Q A L N E Y L R Q M A L H S R M Q I D Y V D S P E V
UniRef90_K2ENR0 UniRef90_UPI000478F0E3	MVDLNVNLKNKVT QEAI NAIFCEAANGKIKGI LGVDREYG
UniRef90_R7YZG0 UniRef90_U7G099	L V D L T V N T D K P T S L P E L L E A F R Q A S R T S L S G V L G V V D E E L MV E L T L R L E O T P D E A S L N P W L H O O A T A S G G L L G Y N D A P L
UniRef90_M0BT73	IS DL TL NL E T DVT A D DVR D A I R E A A E R P L S G V L G Y T D D E I
UniRef90_Q1QX87 UniRef90_A4SJK6	LAI I NLSLDOSTDRESLNAYLOOMASALHROI DESASTEL
UniRef90_K4RMJ1 UniRef90_Q7VH10	II VIDII IS E DIVIA K PILIGII IE AII I <mark>H A C</mark> ME O A S O H EILIO GIL LIGII ID K D K R
UniRef90_UPI0003651567	LIDITFNLSRQTTITELNNALINASKTSMKGIIGIDSKQG MAVLNLRLEKETTKEEINEFLRRVSLHSRQQIDWIYSPEV IAELNLVTTKDCTVEEVNNAFKAASEGSLKGVMDVLEEQW LVDLVAVLKKNSTPDEINAAFKEASEGKLKG
UniRef90_UPI00040BAB9F UniRef90_UPI0003B44CC1	<u>A </u>
UniRef90_C4K9X5 UniRef90_L5LWF3	ALD MV LS F G R E VS A E A VN R L L R E T A A G P Q R G L L A C S D E A H
UniRef90_UPI0003B32CB6	LT D <mark>CV</mark> FEMKRPVNEDEVNTMLKNSSENELKGI LGYEDRPL
UniRef90_T0XT91 UniRef90_N6W0C1	LNDLTCEMRVPTTVSEVNRVLEDAANGPLKGILAFSNLPL MALLNLNLSKDVTVESANDYLREMALHSQKQIDFVNSPEV LTDLVVHVGRHVTVQEVNDLLKMAAENELAGIMEYCEDEL
UniRef90_A7I7U0 UniRef90_A3SJZ3	ITDIVVHVGRHVTVQEVNDILKMAAENELAGIMEY <mark>C</mark> EDEL AIDLTLHTEAPVTVSEVNAVLEAAAKSGPVFGYTRKPL
UniRef90_UPI0002F49420	All DL MF Q A G S DL S A E DL N A L M Q A A A Q R A P D F L A Y S D Q P H
UniRef90_W8QWX4 UniRef90_Q1GDZ0	MAILNENLEKATSREEINEYLRQMAMHSQKQIDYVNSQEVAVDLVATLQSEWDQSDLLMALKASANGSPILGWTEQPLMAILNLTLAEETDADTLNEYMRHMALHSSMQIDYSASPEV
UniRef90_A4A891 UniRef90_Q5NYJ7	MAILNETLAEETDADTLNEYMRHMALHSSMQIDYSASPEV
UniRef90_I5B194	MAILNLTLAEETDADTLNEYMRHMALHSSMQIDYSASPEVAIDVVELGCDATAREINLLSEAAAAAQPGLIAYSVDPHLADLVFLTERKTNPEELNSIFMEESKSDYRGVVGVSEDPILADLVFLTERKTNPEELNSIFMESKSDYRGVVGVSEDPILMAILNLKRETTDEEMNDYLRRISIQSPYQIDYTASTELQDILTCSLESSAKYESNRKVVKQASKGPLKGIMRYIEYQLLVDLTFTAERPASVEAVNQILRDGAQQMPLGVMECNDLPLMAIMNLNLGQSTDREALNEYLRKTALHSESQIDYTASTEIAVDLTVMLDQSMTVEAVNKLLSETGVLGWTEMPLAVDLVARLQKPMDEPSFVAAALKTGSEAAEVLGWTEMPLIAUDLVARLGKRETTREEVLDHLREVSSPLKRQIDFITAPDALLDISLRLGRETTREEVLDHLREVSSPLKRQIDFITAPDALLDISLRLGRETTREEVLDHLREVSSPLKRQIDFITAPDALLDISLRVTQTTSATQVNQILRTAAEGPLKGLLGYTEEPHVVDLTVQLEKATTYEDIMKALKEAAEGEMKGVLAYTDEDVVVDLTVQLEKATTYEDIMKALKEAAEGEMKGVLAYTDEDVVVDLTVTLDNGATYEEIKAVIKKASENELKGILGYTEDPLLVDLYKKYTKKAKASENELKGILGYTEDPLLVDLSFDTRKVKTNSLDUNGV
UniRef90_E2CL25 UniRef90_D3ZQ40	M A L N L K R E T T D E E M N D Y R R L S L Q S P Y Q D Y T A S T E L Q D L T C S L E S S A K Y E S N R K V V K Q A S K G P L K G M R Y L E Y Q L C S L C S L C S C C C C C C C C
UniRef90_I7A9J3 UniRef90_A3WPA7	L V D L T F T A E R P A S V E A V N Q I L R D G A Q Q M P L G V M E C N D L P L M A I M N L N L G Q S T D R E A L N E Y L R K T A L H S E S Q I D Y T A S T E I
UniRef90_A3JP38	AVDLTVMLDQSMTVEAVNKLLSET GGVIGFTDDPV
UniRef90_A3XD91 UniRef90_E2Q1F0	<u>A V D L V A R L Q K P M D E P S F V A A L K T G S E A A </u>
UniRef90_UPI000373DCA7 UniRef90_Q1WLW5	AVDIL VARL QKPMDEPSTVAAL KIGSEAA EVLGWIEMPL I AL LSURL GRETTREEVLDH REVSSPLKRQIDFITAPDA L DI SLNVTQTTSATQVNQILRTAAEGEMKGVLAYTDEDV VVDLTVTLDNGATYEEIKAVIKKASENELKGILGYTNDQV
UniRef90_Q8X1J6	V V D L T V T L D N G A T Y E E I K A V I K K A S E N E L K G I L G Y T N D Q V
UniRef90_Q76EG2 UniRef90_E7G038	V D L V T K K T N K E V N A A L K A A S E S P M A G I G Y T E D P L L V D L S F D T R L D L D L E T L H A C L Q E A T Q G D K G I L G D D S D K R T T T T T T T T T
UniRef90_D5VB79 UniRef90_B7VQW2	V V D L T V T L D N G A T Y E E I K A V I K K A S E N E L K G I L G Y T N D Q V I V D L Y I K K Y T N K E E V N A A L K A A S E S P M A G I L G Y T E D P L L V D L S F D T R L D L D L E T L H A C L Q E A T Q G D L K G I L G I D S D K R A I D L T V K F N K T V S L D Q I K D A L M T A S Q N Q L L G I M D Y C D E P L M A V A N L N L E K G T N K E E L N E Y L R E M A S T L S A Q I D Y T D S T E I L T D L T C M L K E D T K V E D I N A A F K K A S Q D S L K G I L E Y T T D P I L A I L S L R L G R E T T R E E V L E Y L R G V S L H S P R Q I D F T T A P D A M I D L T V Q L S R P P S K E E M M R N L D A A S D P A L A T V F A S T D L A L I A I L N L T L D K E T T R D E L V T H L R E V S S P L Q R Q I D F I A S P E T L V D L T V R L E K E F S M D K L K K Y L D E Y K K E Y K N I D D Y T E D E V M A I L N V T L S K A T T K D E L V E F M R Q T A L H S R K Q I D F S N S P E V M A I L S L N L K K D L T T F G V N D Y R F M S L H S Q K Q I D F V N S P E V
UniRef90_UPI0003760ABA	LT DLT CMLKEDT KVEDI NA AFKKAS QDSLKGI LEYTT DPL
UniRef90_D9VKF9 UniRef90_UPI00045618FB	MIDLTVQLSRPPSKEEMMRNLDAASDPALATVFASTDLAL
UniRef90_F6EFJ0 UniRef90_S7XIK1	I A L N L T L D K E T T R D E L V T H L R E V S S P L Q R Q I D F I A S P E T I V D I T V R I E K E E S M D K I K K Y I D E Y K K E Y K N I L D Y T E D E V
UniRef90_H3NTD7	MAIL NVTLSKATTKDELNEFMRQTALHSRKQIDFSNSPEV MAIL SLNLKKDITTEGVNDYLREMSLHSQKQIDWVNSPEV
UniRef90_R4YLV8 UniRef90_A7T3Q4	L V DL S F T P A R A T H A E E I N H L M R E A S Q G S F S N I T E Y N E L P L
UniRef90_J9NTW9	V V D L T C Y L E K A I K Y D N I K K L V K D P L K G I L G Y T E D Q G M A V L N L T M E N E V E R E E V N S F L R K V S S E L R Q Q I D Y L H S N E I
UniRef90_UPI0003FEED2C UniRef90_L8JHX7	<u>M</u> A <u>A</u> N L N L GSE <u>V</u> T <u>A</u> EA L NE <u>Y</u> L RQMASP L <u>S</u> GQ DFTQSTE
UniRef90_F2IBQ0	LAII LISILIEILIQKGTTII E DIVINNIVVIRAASGDILIVIN QII IFYSYD PEIL

	290 300 310 320
UniRef90_T1DWL4 UniRef90_S6AQK5 UniRef90_F3L3H0	VSSDFVGDSRSAII VAKDLTFSL DNMAKI MAWYDNEWGYS ASCDFNHDPHSAI VDGSQTRVSGPRLVNLLAWFDNEWGFA ASCDFNHDSRSGVVDASQTRVSGDRLVKVLIWFDNEWGYA
UniRef90_A3V7Z0 UniRef90_V8C589	VIS A D Y T N D T R S GII VID A P S T MIV VIN G T QIVIKIL IYIVIWY D N E M G Y A
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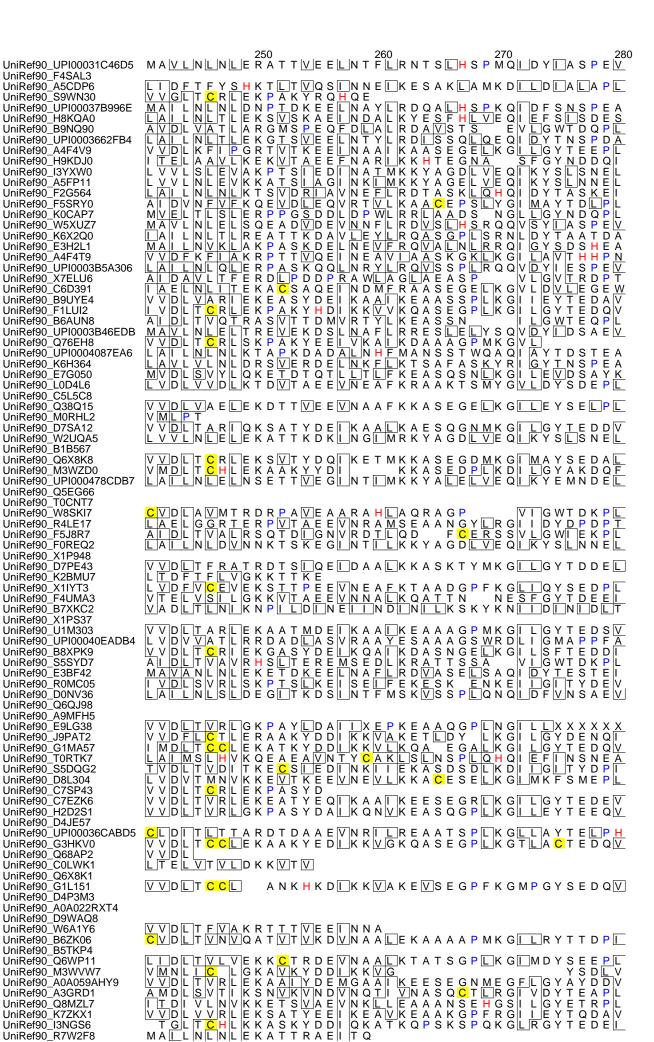
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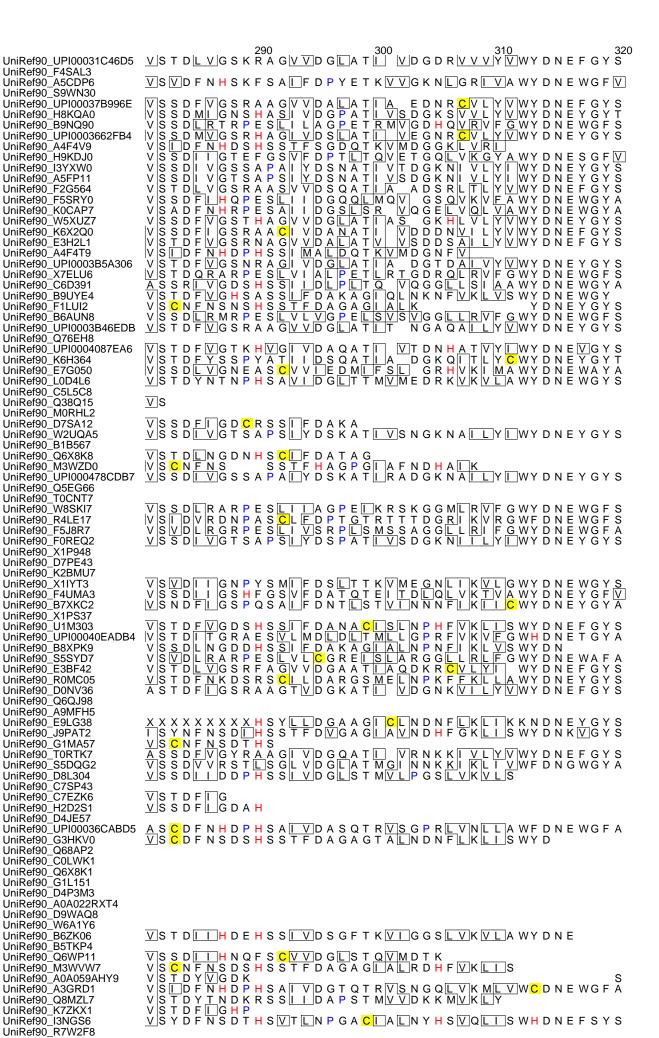


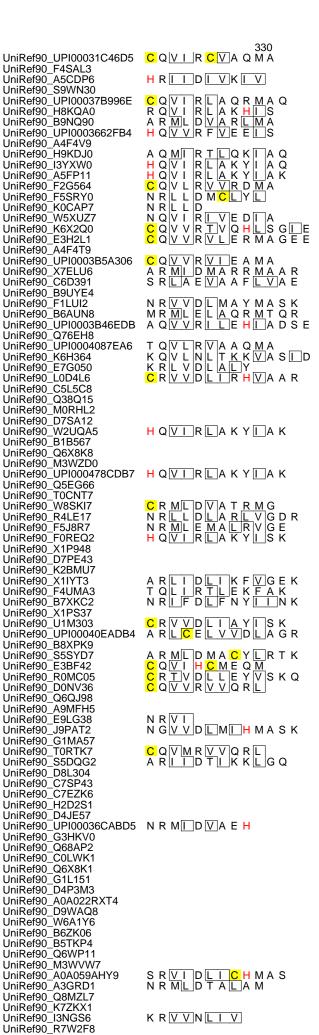
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UniRef90_A5FP11 UniRef90_F2G564	TAPGKGVPNIVHVNHNEYDPDENDIFSAASCTTNAITPVLAPGKGDIKNIVHGVNDEEVTPEDTIVSAASCTTNAITPVLAPFDKVDASLVMGVNDQLLTRDLPIISSVSCTTQALVPLI
UniRef90_F5SRY0 UniRef90_K0CAP7	A P F D K V D A S I V M G V N D Q L L T R D L P I I S S V S C T T Q A L V P L I G A V P F D R A D Q V Y G V N Q E Q V G G N D R V L S A A S C T T H C I A P L L
UniRef90_W5XUZ7 UniRef90_K6X2Q0	GAVPFDRADQVYGVNQEQVGGNDRVLSAASCTTHCIAPLL TAPGKDVKNIVYGINHQDMSAEDQILSAASCTTNGITPVL TAPGKDVPNIVHGVNHRTMDLEQQIFSCASCTTNAIVPPL APGKGDMKNIVFGVNDSIITDDDKILSAASCTTNAITPAL
UniRef90_E3H2L1 UniRef90_A4F4T9	S A P A E G A D L T V V Y G I N H D K L T K D H I I S N A S <mark>C</mark> T T N <mark>C</mark> L A P L A
UniRef90_UPI0003B5A306 UniRef90_X7ELU6	SGPCDDAFFTII VIIGANFFRII IGOARII VISNASCTTNAII IAPII II
UniRef90_C6D391 UniRef90_B9UYE4	S A P S A D A P M F <u> V V G V N L </u> D A Y D P S Y K <u> V I </u> S N A S <mark>C</mark> T T N <mark>C </mark> L A P L A
UniRef90_F1LUI2 UniRef90_B6AUN8	S
UniRef90_UPI0003B46EDB UniRef90_Q76EH8	A P G K G G I K N I V Y G V N H H D I D D G D Q I L
UniRef90_UPI0004087EA6 UniRef90_K6H364	SAPPKDVPMYVMGVNHENYKSSDTVVSNASCTTNCLAPLT TAPAGGDIKNVVYAVNSDTIGDDKIVSAASCTTNAITPTL TAPAKDIRNIVFGVNDSALKESDKIISAASCTTNAIVPVL GAPFAAKKATFVLGVNHFAYKKQDIISNASCTTNAIAPLC
UniRef90_E7G050 UniRef90_L0D4L6	PGKNEDIVITI VIMGIVINED QEDAERHIVITIS NASCITINCITAPIV VI
UniRef90_C5L5C8 UniRef90_Q38Q15	SAPPKDTPMFVMGVNNEKYTSDLKI VSNASCTTNCLAPLA SAPASDEDLTI VMNEDKYDAANHHVI SNASCTTNCLAPFA
UniRef90_M0RHL2 UniRef90_D7SA12	SAPASDEDITI VMNEDKYDAANHHVISNASCTTNCLAPFA TAPGKDIPTYVVGVNEDAYNPDEPIISNASCTTNCLAPFV SAPSKDAPMFVMGVNEKEYKADINIVSNASCTTNCLAPLA
UniRef90_W2UQA5 UniRef90_B1B567	SAPSADAPMEIVYONU KEEDPNKIVDI IESAASCI INAI IPI L
UniRef90_Q6X8K8 UniRef90_M3WZD0	SAPSADAAMEVMGVNEKEYKSDIEIISNASCTTNCLAPLA SPSADASMLVMGMNHEKYDNSLKIVSNDSCTTNCLAPLA
UniRef90_UPI000478CDB7 UniRef90_Q5EG66	TAPĞKETPNLV <mark>HVNHTEHHPDKVD</mark> IFSAAS <mark>C</mark> TTNAITPIL SAPSADSP <u>MFVVGV</u> NLDAYNP <u>S</u> MKVVSNAS <mark>C</mark> TTN <mark>C</mark> LAPLA
UniRef90_T0CNT7 UniRef90_W8SKI7	T A P G K D K T V M G V N E N E Y D N S H H S N A S C T T N C A P V V S G P S P K A D L T V V L G A N D D R A S E H R V S N A S C T T N A A P L V
UniRef90_R4LE17 UniRef90_F5J8R7	S A P S A D A A M F I V M G V N E K E Y K S D I E I I I S N A S C T T N C L A P L A S P S A D A S M L V M G M N H E K Y D N S L K I V S N D S C T T N C L A P L A T A P G K E I P N I V H V N H T E H H P D K V D I F S A A S C T T N A I T P I L S A P S A D S P M F V V G V N L D A Y N P S M K V V S N A S C T T N C I A P L A T A P G K D K T I V M G V N E N E Y D N S I H H I I S N A S C T T N C I A P V V S G P S P K A D L T V V L G A N D D R A S E H R I V S N A S C T T N A I A P L V S A S A D D A F L V Y G A N H D R Y D P A R H D V I S P A S C G V N A L S V M A S G P A K G A D V T L V M G A N D E T Y R G E H I V S N G S C T T N A I A P L L T A P G K G I P N I V H V N H L E H N P D T T K I F S A A S C T T N A I T P I L
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UniRef90_D7PE43 UniRef90_K2BMU7	SAPAGAKI <u>II VIMGIVIN QHEYNPAI HHIV VISNASCII NOLLAPII VI</u> SAPSEDAPTYILIMGIVIN HKILI <mark>C</mark> KKTDTII VINNAS <mark>C</mark> TTNSIVIGPAIV
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UniRef90_A9MFH5 UniRef90_E9LG38	T G P S K D N T P M F V K G A N F D K Y E G Q D II V S N A S C T T N C L A P L A S A P S A D A P M F V V G V N L D A Y N P S F K V I S N A S C T P N C L A P L A
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UniRef90_C7EZK6 UniRef90_H2D2S1	S A P S K D A P M F V V G V N E K E Y K P E D I V S N A S C T T N C L A P L A S A P T A D <u>A</u> P M V V D S V N H E T <u>Y</u> D P T H K V I S N A S <mark>C</mark> T T N <mark>C</mark> L A P <u>L </u> A
UniRef90_D4JE57 UniRef90_UPI00036CABD5	S A P A G D L P T
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Omitoloo_worm in	SAPSKDDTPMFVYGVNDKTYAGQAILISNASCTTNCLAPLA SAPADDDLESVLGVNDSDLKPETQCISNASCTTNALGPVA
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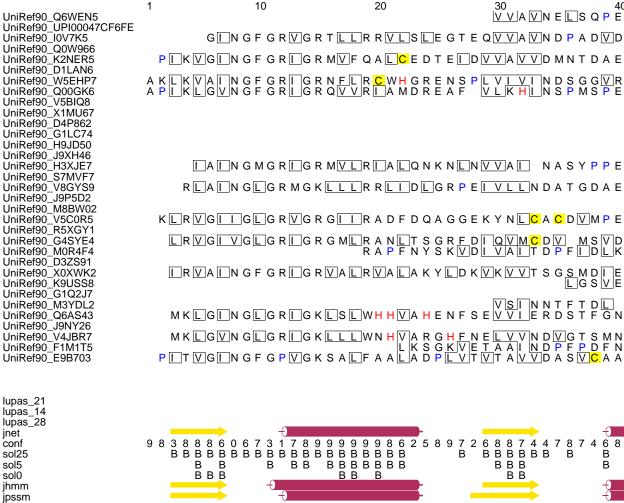
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UniRef90_I3YXW0	KANIENSEGIVVIRGENIENNEAVINNUVINNMESK VRRGRA
UniRef90_A5FP11 UniRef90_F2G564	KVI E E T L G V V K G H L E T I H A Y T N D Q N L V D N M H R K Y R R G R A K A L D E E Y G L E N G H V E T V H S Y T N D Q N L I D N Y H K G D R R G R S
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UniRef90_M3WVW7	N V
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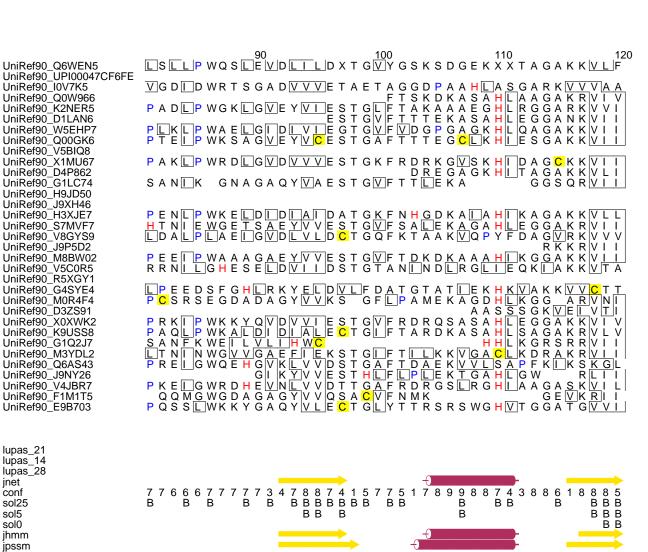






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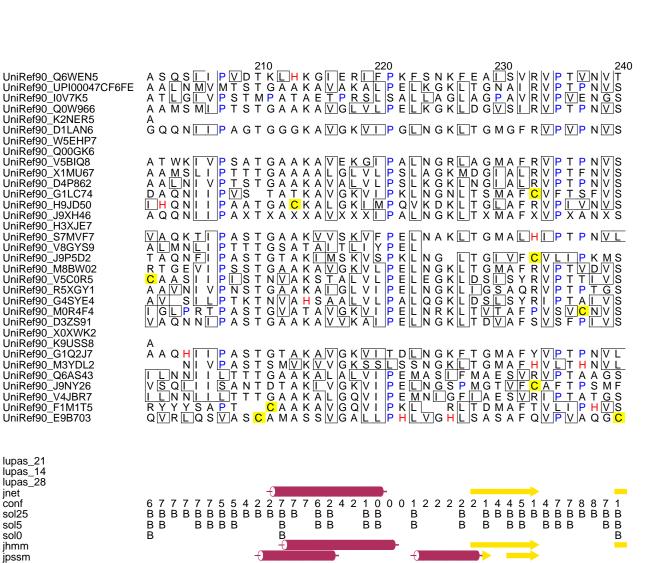


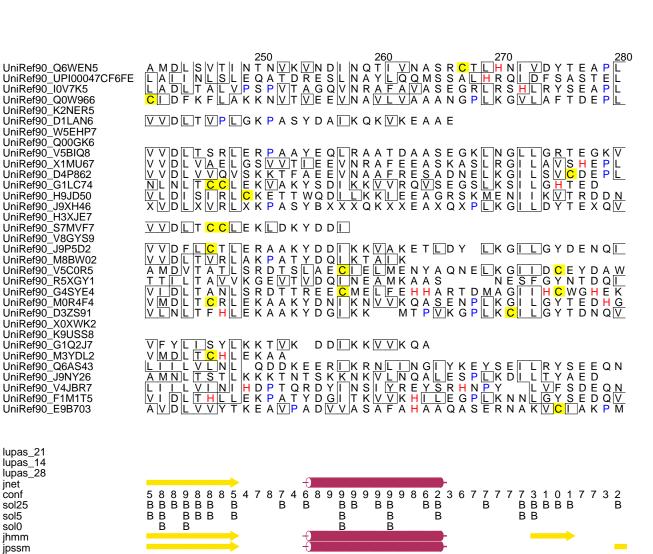
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