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JAIRE690_DEPLO00374E707B JAIRE690_UPI00037EF005 JAIRE690_UPI00037EF005 JAIRE690_UPI00033FEF005 JAIRE690_UPI00033FEF005 JAIRE690_UPI00036CE46C JAIRE690_UPI00036CE46C JAIRE690_UPI00035D8513 JAIRE690_UPI00035D8513 JAIRE690_UPI00035D8513 JAIRE690_UPI00035D8513 JAIRE690_UPI00037EF005 BY WG P R E VQ G (V G S G V V I I D A A G V I L T N N H V V D E A A D E JAIRE690_UPI00035D8513 JAIRE690_UPI00037EF005 BY WG P R E VQ G (V G S G V V I N S D G Y I L T N N H V V D G A D E L G S G F I V V N S D G G Y I L T N N H V V D G A D E L G S G F I V V N S D G G Y I L T N N H V V D G A D E JAIRE690_UPI00037EF0037EF00 JAIRE690_UPI00037EF005 BY WG P R E VQ G (V G S G V V V N S D G G Y I L T N N H V V D G A D E L G S G F I V S N Q G L L T N N H V V D G A D E L G S G F I V S N Q G L L T N N H V V D G A D E JAIRE690_UPI000374E79A JAIRE690_UPI000374E79A JAIRE690_UPI000374E79A JAIRE690_UPI00037EF061 JAIRE690_UPI00037EF061 JAIRE690_UPI00037EF061 JAIRE690_UPI00037EF061 JAIRE690_UPI00037EF061 JAIRE690_UPI00037EF061 JAIRE690_UPI00037EF061 JAIRE690_UPI00037EF061 JAIRE690_UPI00035EF061 JAIRE690_UPI00037EF061 JAIRE690_UPI00035EF061 JAIRE690_	UniRef90_U5NEC8	<u>V</u> G S G F <u>L</u> S A D G <u>V</u> <u>M</u> T N A <mark>H</mark> V D D A D E
Junker90	UniRef90_D2QXG2	S S G S G V I I D A A G V I L T N N H V V A G G G K
JAIREP90_R1CNA3	UniRef90_UPI00037EEC05	NNNRRS LGSGVLIIH PEGYLLTNEHVVAKATS
Juike190	UniRef90_Q1PXM9	A (i S (i E II IVVI) E N (i H II V II N E H IV I IY N A N E
JAIRE690	UniRef90_R1CNA3 UniRef90_H0PU24	F W G P R E <u> </u> Q G V G S G <u>V</u> V N S D G Y I L T N S H V V G D A E K S L G S G F I V S G D G Y I L T N A H V V E D A D E
D P D C C C C C	UniRef90_UPI00035D8513 UniRef90_C6WS72	L G S G F I I D S T G Y I V T N N H V V L G A D E S I G S G V I V S N Q G I I I T N N H V I A T A D S
D P D C C C C C	UniRef90_UPI000255A74B	SMGSGFI I SKDGTV VITNNHV VIDGADE
D P D C C C C C	UniRef90_A6T368	SEGSGVI VSAEGYI LITNNHVVE AADE
D P D C C C C C	UniRef90_B7IER5	SLGSGFI FDKEGYI LTNFHVVDGADD
JAIREF90_HSSNV6	UniRef90_UPI00037AB4B8	SLIGSGFILLISEDGYILLITNHHIVVIAEAEK
JniRef90_UP100035FB7EB	UniRef90_H5SNV6 UniRef90_UPI00035FE661	TYNGFALTGGGTRCSAGFNTNKGGONYVVDAGHCTRAVSO
JniRef90_Q39Q25 JniRef90_Q6SFI5 JniRef90_UPl0003B47F72 JniRef90_UPl000369CA71 JniRef90_UPl000369CA71 JniRef90_B8EX95 JniRef90_UPl0004095BE5 JniRef90_UPl0004095BE5 JniRef90_UPl0004095BE5 JniRef90_UPl0004095BE5 JniRef90_UPl0004095BE5 JniRef90_OZJ9P8 GDQLPREQPASTLGSGVIVSADGYILTNNHVIDNAADE JniRef90_M6M3H0 JniRef90_M7SR90 JniRef90_D2ZZN9 JniRef90_D2ZZN9 JniRef90_D2ZZN9 JniRef90_C3JB33 JniRef90_C3JB33 JniRef90_C3JB33 JniRef90_C3JB33 JniRef90_UPl00047A293B JniRef90_H5XSC2 GRGFSGNSSLQQAGGGIINAAEKGYIVTNNHVIDNAANK GGDAPDQPSASLQQAGGGIINAAEKGYIVTNNHVIDNAANK JNIRef90_B8YP89 GGDAPDQPSASLQAAGKGFIVSSDGYIVTNNHVIDNAANK JNIRef90_E8YP89	UniRef90_UPI00035FB7EB	VSGASSI AGDQRR <mark>C</mark> SAGFN <u>VTD</u> GQDAFILTAGH <mark>C</mark> GPQGTA SVGSGEVISFDGYILTNYHVIRNADE
JniRef90_UP1000369CA71	UniRef90_Q39Q25	SILIG S G FILL IN K S G YIL VIT N D HIV VIR D A F T
JniRef90_UP10004095BE5 JniRef90_G2J9P8 G D Q P R E Q P A S T L G S G V I V D A R G Y I L I N N H V I D K A D E JniRef90_W6M3H0 JniRef90_M7SR90 JniRef90_D2Z2N9 G G A Y I I D Q S F R C S I G F S V T T G F V S A G H C G T P G S S JniRef90_Q2CD93 JniRef90_Q2CD93 G S G F I V S E D G K I L T N N H V I D N A D T JniRef90_R7NUE5 R V G F G S G V I I S R D G Y I V T N N H V I D N A D V JniRef90_C3JB33 JniRef90_UP100047A293B G E Q G D S G Q A Q M G L G S G V I I S A D G Y I L T N N H V I D N A N K JniRef90_H5XSC2 G R G F S G N S S L Q A G S G I I N A E K G Y I V T N N H V I E G A S E G R G F S G N S S L Q A G S G I I N A E K G Y I V T N N H V I E G A Q K JniRef90_E8YP89 G D Q P R E Q P A S T L G S G V I V S S D G Y I L T N N H V V D G A N V	UniRef90_UPI0003B47F72	S E G S G E IL L IS A D G Y IV L IT N N H IV L ID N T D K
JniRef90_UP10004095BE5 JniRef90_G2J9P8 GDQLPREQPASTLGSGVIVSSQGYILTNNHVIDKADE JniRef90_W6M3H0 RSSVGSGFIVSADGYIVTTG FVSAGHCGTPGSS JniRef90_D2Z2N9 GSGFIVSEDGKILTNNHVIDRADD JniRef90_Q2CD93 JniRef90_R7NUE5 RVGFGSGVIISRDGYIVTNNHVIEGRSR JniRef90_C3JB33 JniRef90_C3JB33 JniRef90_UP100047A293B GEQGDSGQAQMGLGSGVIISRDGYIVTNNHVIDNANK JniRef90_UP100047A293B GEQGDSGQAQMGLGSGVIISRDGYIVTNNHVIEGASE GRGFSGNSSLQQAGSGLINAEKGYIVTNNHVIEGASC JniRef90_E8YP89 GGDAPDQPSASLGSGFIVSSDGYILTNNHVVEGANV	UniRef90_A4BBJ4	YNNPRPREGLGSGFII I SEDGYII LINNHV VIDGASE
JniRef90_D2Z2N9 G S G F V S E D G K L N N H V V A D A D T S E D G K L N N H V V A D A D T S E D G K L N N H V V A D A D T S E D G K L N N H V V A D A D T S E D G K L N N H V V A D A D T S E D G K L N N H V V A D A D T S E D G K L N N H V V A D A D A D T S E D G K L N N H V V A D A D T S E D G K L N N H V V A D A D A D T S E D G K L N N H V V A D A D A D T S E D G K L N N H V V B G A S E D S G V V I S A D G Y I V T N N H V V B G A S E D S G V I I S A D G Y I L T N N H V V B G A S E D S G V I I S A D G Y I L T N N H V V B G A Q K D S G V I D S A D G Y I L T N N H V V D G A N	UniRef90_UPI0004095BE5	G S G S I I I D I R G Y IV L IT N N H V I E N A Y K S L G S G V I V D A R G Y I L IT N N H V I D K A D E
JniRef90_D2Z2N9 G S G F V S E D G K L N N H V V A D A D T S E D G K L N N H V V A D A D T S E D G K L N N H V V A D A D T S E D G K L N N H V V A D A D T S E D G K L N N H V V A D A D T S E D G K L N N H V V A D A D T S E D G K L N N H V V A D A D A D T S E D G K L N N H V V A D A D T S E D G K L N N H V V A D A D A D T S E D G K L N N H V V A D A D A D T S E D G K L N N H V V B G A S E D S G V V I S A D G Y I V T N N H V V B G A S E D S G V I I S A D G Y I L T N N H V V B G A S E D S G V I I S A D G Y I L T N N H V V B G A Q K D S G V I D S A D G Y I L T N N H V V D G A N	UniRef90_G2J9P8 UniRef90_W6M3H0	G D Q L P R E Q P A S T L G S G V V S S Q G Y I L T N E H V I N S A D E R S S V G S G F L V S A D G Y V V T N A H V V D Q T D S
JniRef90_Q2CD93	UniRef90_M7SR90	GGAYIIDQSFR <mark>C</mark> SLGFS <u>VTTG</u> FVSAGH <mark>C</mark> GTPGSS GSGFIVSEDGKI I TNNHVVADADT
JniRei90_H5XSC2 GRGFSGNSSLJQQAGSGITINAEKGYIVINNHVTEGAQK JniRei90_E8YP89 GGDAPDQPSA SLJGSGFIVSSDGYILTNAHVV <u>D</u> GAN <u>V</u>	UniRef90_Q2CD93	G S G F V W D A R G H I V T N N H V I E G R S R
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JNIKE19U_E8YP89	UniRef90_H5XSC2	GRGFSGNSSLQQAGSGLINAEKGYI VINNHVIEGASE
JniRef90_J1JPT9 S L]G S G F V I D A R R G I V T N Y <mark>H</mark> V I V D A D D	UniRef90_E8YP89 UniRef90_J1JPT9	G G D A P D Q P S A

	<u>50</u> 60 70 <u>80</u>
QUERY UniRef90 G2NVV3	WWANSARTTVLGTTSGSSFPNNDYGIVRYTNTTIPKDGTV WWSNSGHSTTIGPTAGSSFPTNDYGLVRYSGSATPQ GTV
UniRef90_S2YGX7 UniRef90_M3E632	WS DSSGNELGTNEQSSFPDNDFGLVKYTSNVDHPSYNG TTGYDRTAQGTFQASEFPGRDMAWVATQSQWTPTPADG
UniRef90_J1RWT9	WS DQQGGSATATTEDSKFPGDDFSLAKYTGDTAHPSYNG
UniRef90_K4RC81 UniRef90_S3Z8X1	WS DQQGGSATATTEDSKFPGDDFSLAKYTGDTAHPSYNG WYTDQAHNTLIGPTLGASFPGNDYALVRYDNTGLSHPGGY WS DKQGGQAIGENAGSSFPDNDYGIVKYSGDTAHPSYNG WYSNSGQSTVLGSNVSYSFPTNDYALVRYTNTSVTKSGTA
UniRef90_UPI000287EF6E UniRef90_E9UNN3	WYSNSGQSTVL GSNVSYSFPTNDYAL VRYTNTSVTKSGTA WYTNAGETTRI GPTVKASFPGNDYAL VRYANTSLTHAGGY
UniRef90_D7C0Z0	TTGVNKAAQGTFQASRFPGNDYAWVAVNSTWTPKPVVL
UniRef90_UPI00047B9AE8 UniRef90_UPI00038097C0	WSAT QGGTPLGDTVDGTFPGHDYGLVKYDTKGVVSLYGK WYTNSAQTTLVGATVGSSFPGNDYALVRYDNTSLSHPGGY TRGWDGSAQGVFRGSSFPGNDYAWVQVDSGWWTVPVVL
UniRef90_D2PZH7 UniRef90_UPI000377C8DC	TRGWDGSAQGVFRGSSFPGNDYAWVQVDSGWWTVPVVL TTGYNQVAQGTFQASVFPGNDMAWVGVNSDWTATPAVK
UniRef90_UPI0004653651 UniRef90_UPI000475A26C	VSTSGYNQQAQGSFQGSTFPGRDYSWVAANTGWTPRPYGN WFADNQGDTQLGKTVSDNFPGSDFSLVQYEGADVVALIGNG
UniRef90_UPI0003456024	IVIG S O D G S G T G TIVIT D A F F P G A D M A AIVIF T D D G W T P T P AIVIG
UniRef90_UPI0003644D39 UniRef90_D9W9G2	GSTGTSTSSPSGYFAGSSFPGNDYAYVRTGSDDTPRPYNG WTADQAGAQALGTVQDTQFPETDFALVMYDDESAVKLADG WYSNSSQTNYLGSTAGSSFPGNDYGLVSUSGYGYVYLYNG
UniRef90_A4X936 UniRef90_R1ICF8	WY S N S S Q T N Y L G S T A G S S F P G N D Y G V S L S G Y G Y V Y L Y N G A T P G F D V G A T G T F R G S V F P G N D H A W V S H D N Y D F V N D Y Q G
UniRef90_Q1D164 UniRef90_F3NEN5	A T P G F D V G A T G T F R G S V F P G N D H A W V S H D N Y D F V N D Y Q G T T G H N G V A L G T L R G S V W P G S D Y G W V A T H G S W T P Q P Y S G W F A D Q G G A T E L G Q T V S S R F P G N D F S L I R Y G N T N V I A L G G G
UniRef90_UPI0004767288	STNSPSGSFAGSSFPGDDYAYVETGSDDTPRPHDG TWLNAPGTLRTGTVAESVFPGQDSAWVRTGAGHTPRPYSG
UniRef90_UPI000345930D UniRef90_UPI000422AE0E	IVIH G WD WSILIMG NIVIA A A S F P G N D H G WIVIRILIG H G WWT F PIV V L
UniRef90_F3NER1 UniRef90_R1CBQ3	W ADDENGQPIATVDQATFPGGDFSLVKYDDPATQAPSEV LEVTLYDGRVFNARVIGKDPETDLAVIKIQAENLPA GTF
UniRef90_K6W5M8 UniRef90_D9XN22	FT KNGKKII IGIVIT QEFAYPGHDMAYATII IDPAWEGKDANG
UniRef90_UPI00034C2584	WY A D P A L T V A V G V T A G V S F P G N D Y A S T R Y T N T A V A Y P A G V V V P P D G V G V F Q Y S S F H S G D L A F V R G L S N F T L R N G S G G T S G F N G V A Q G T V V A A S W P G N D Y A W V R T N G S W G S Q P Y A G
UniRef90_H8MK66 UniRef90_V6JHK7	IS GYNQ <u>V</u> AQGSFQASIFPGRDIAW V A <u>I</u> NINWISIAY <u> V</u> K
UniRef90_UPI00039E847D UniRef90_H6LA07	TT QPSGTFRGSSFPGNDYAWVQVAAGNTPRNYSG LEVTLYDKR <u>KY</u> KAELVGTDPSTDLAVLKLKAPNL <u>P</u> SV
UniRef90_D6X979 UniRef90_A5EY82	I E V T L Y D K R K Y K A E L V G T D P S T D L A V L K I K A P N L P S V W F R D R Q G D E L V G T T T A A S F P G D D Y S L V R Y E D T N V V D I G G G V S V L L T D Q R E Y S A E L V G V D K R T D L A L L K I A A Q K L P T V Q L
UniRef90_D8I1H2 UniRef90_I3Y6P3	V V G W D G S W M G T F A G S S F P G N D Y S F I R I G G G W W T A P V V L I V V R T S D R R E F V A T L I G T D K R S D M A L L K V D A E G L P V A
UniRef90_UPI00037DDA2B	V L V R L S D R R E L E A Q V L G S D E R S D V A V L K I D A T D L P S V
UniRef90_B3QU21 UniRef90_UPI00036F88C1	<u>WYADAARIWELIGRIGGWSFPWSDYALIRYNNPDFIYP</u> SEL
UniRef90_R5E418 UniRef90_W6EEV9	II V VITII IP D D F F Y K A KIV I IG F D P K T DII IAIV VIKII IF A K DII I - QIVIA K F
UniRef90_Q7NWC9 UniRef90_A3Y8F6	I TVKLNDKREFQARVI GSDARSDVAL LKI DAQNL PVVI I HVRLNDRREYQAEL VGTDKRTDLALLKI EADDLPTVI EVAFEDGRKAAARL VGTDPETDLAVI KI DLPDLPAV
UniRef90_C3X651 UniRef90_A8GM89	I E V A F E D G R K A A A R L V G T D P E T D L A V I K I D L P A V I N I N I K L A D N T E L P A K L I G S D T K T D L A L L K I D S D E P L P F V E F
UniRef90_D9QQ40	VITIVIKILIS DREPILIKA EIV VIGT DF SILIDILIAIV LIKILINIVIN DKILIP AIVIKILI
UniRef90_B5E9X7 UniRef90_K2GIX5	I KVKLSDGREFAGDVKGRDEKLDLALVKI DAKDHLPVAPLI LVRLQDRRELEAELVGHDQQSDLALLHI EEDDLPVVILVVLYNGDERKAKLVGTDPESDI AVVKI EGNGLPV
UniRef90_Q6SHZ8 UniRef90_U5NEC8	VYVILLPDKREFKA <u>R</u> IV VGADKRI DIVAV VKI IDASGLIPAV
UniRef90_C5BRN2 UniRef90_D2QXG2	
UniRef90_UPI0003742D7B UniRef90_UPI00037EEC05	I TVKL HDGREFVAT DVKT DPST DLAI VRI KSDKELPYAELLRVVLNDKREYQAKVVGYDPST DLAVIKI NGSDLPIKVTLIDKREFDARLVGADIKSDLAVIKI ETKENLITVRLSDKREFRARVIGADRRT DIALLKI DATGLPTVIDVTLNDGSVWDARLVGVDPDHDIAVLRINAPKTKLIPVL
UniRef90_UPI00036CE46C	I TVRLSDKREFRARVI GADRRT DI ALLKI DAT GLPTV
UniRef90_Q1PXM9 UniRef90_R1CNA3	I DVTLNDGSVWDARL VGVDPDHDI AVLRI NAPKTKLI PVLI TVQFENGEQKRGTVLWNDPALDLAI VKVDAKNLPA AEL
UniRef90_H0PU24 UniRef90_UPI00035D8513	I L V K L V D K K E F K A K V I G A D A K S D V A L I K I E A S D L P R I K V K L N D N V E L T A K L V G S D K K T D L A L L K V E S P K P L P Y V N F
UniRef90_C6WSZ2 UniRef90_UPI000255A74B	
UniRef90_I0AKF7 UniRef90_A6T368	VTVNLADKRTFDAEVVGTDPLTDLAVIKIDAKNL TVAYL
UniRef90_UPI000374E79A UniRef90_B7IER5	I VVKLSDRREMAAEVVGSDKRSDI ALLKI DAEGLPVA
UniRef90_H7CYQ4	VKV TESDGKEVNAKVVNYDAERDIAVIKI TODVKMP
UniRef90_UPI00037AB4B8 UniRef90_H5SNV6	UQVTLY DNRT FRASV VGT DPST DLAL LKUS A E GLP
UniRef90_UPI00035FE661 UniRef90_UPI00035FB7EB	WN WR GGGGGSELGTTTASAFPGTDYSLVRYGSTNVVALGQG
UniRef90_M7NZ40 UniRef90_Q39Q25	
UniRef90_Q6SFI5 UniRef90_UPI0003B47F72	I I V K L A D K R E F Q A K L L G I D K R T D V A L L K I D A K N L P A V V M V R L S D R R E V E A K V L G T D P R T D L A L L K I P A G N L P A V
UniRef90_UPI000369CA71 UniRef90_A4BBJ4	VTVKLNDRREFRARVLGSDPKTDVAVLKI DAKNLPTV
UniRef90_A4BBJ4 UniRef90_F8EX95	I FI NE A D G S Q F E G K V I G T D P E N D L A V L K F D P S N P K G V Q L
UniRef90_UPI0004095BE5 UniRef90_G2J9P8	I EVAL ADGRTASAKVI GADPET DLAVLKVEADNLPSIA
UniRef90_W6M3H0 UniRef90_M7SR90	
UniRef90_D2Z2N9 UniRef90_Q2CD93	I T V T L S D G R T F D A K I V G K D P T F D L A V L K I E A K N L P I L E L A T V T L A D G R S F D A R L V G R D P A H D L A V L R I E G D A L P A P I P I
UniRef90_R7NUE5 UniRef90_C3JB33	TSVKLNDGREFKGRVI GADPSTDLALVKI EADDLPTV
UniRef90_UPI00047A293B	T V R L S D K R E F R A R V
UniRef90_H5XSC2 UniRef90_E8YP89	VTVKLTDKREFKAKVVGADKQSDVAVLKIDASNLPTV
UniRef90_J1JPT9	E V N F T D G T K L K A K L L G K D S K T D L A L L Q V E V G R K K L

QUERY UniRef90_G2NVV3 GSQDITSAAANATVGMAVTRRGSTTGTHSGSVTALNATVNN UniRef90_S2YGX7 UniRef90_M3E632 QEVQVTGSAQALVGEKVQRSGSTTGWHDGTVTALNATVNN UniRef90_J1RWT9 UniRef90_S3Z8X1 UniRef90_UP1000287EF6E UniRef90_UP1000287EF6E UniRef90_UP100047B9AE8 UniRef90_UP100047B9AE8 UniRef90_UP100047B9AE8 UniRef90_UP1000377C8DC GGQDITSAANATVGMAVVTRRGSTTTGTHSGVTALNATVNN UN GS QDVQTVGSAQQEVQRSGSTTQWHDGTVTALNATVNN UN GS QCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	120 Y Y Y Y Y Y Y Y Y Y
UniRef90_G2NVV3 UniRef90_S2YGX7 UniRef90_M3E632 UniRef90_J1RWT9 UniRef90_S3Z8X1 UniRef90_S3Z8X1 UniRef90_UPl000287EF6E UniRef90_E9UNN3 UniRef90_D7C0Z0 UniRef90_UPl00047B9AE8 UniRef90_UPl00038097C0 UniRef90_UPl00038097C0 UniRef90_UPl000387C8DC UniRef90_UPl0004653651	YYYYYYYYYYY
UniRef90_M3E632 UniRef90_J1RWT9 UniRef90_S3Z8X1 UniRef90_S3Z8X1 UniRef90_UPl000287EF6E UniRef90_UPl00047B9AE8 UniRef90_UPl00038097C0 UniRef90_UPl000377C8DC UniRef90_UPl00047653851 UniRef90_UPl00047653851 UniRef90_UPl00047653851 UniRef90_UPl000377C8DC UniRef90_UPl00047653851 UniRef90_UPl00047653851 UniRef90_UPl00047653851 UniRef90_UPl000377C8DC UniRef90_UPl00047653851 UniRef90_UPl00047653851 UniRef90_UPl00047653851 UniRef90_UPl00047653851 UniRef90_UPl00047653851	·
UniRef90_J1RWT9 UniRef90_K4RC81 UniRef90_S3Z8X1 STQK TKAAEATV GEKV QRSGSTTQ VHDGTV KAL NASV NYUNIRef90_S3Z8X1 UniRef90_UPI000287EF6E UniRef90_UPI000287EF6E UniRef90_D7C0Z0 UniRef90_UPI00047B9AE8 UniRef90_UPI00038097C0 UniRef90_UPI00038097C0 UniRef90_UPI00038097C0 UniRef90_UPI00038097C0 UniRef90_UPI0003785785C	Y Y Y Y Y Y Y Y
UniRef90_S3Z8X1 STQKITKAGDATVGQEVQRSGSTTQLHDGKVTGLNATVNV UniRef90_UPI000287EF6E UniRef90_E9UNN3 UniRef90_D7C0Z0 UniRef90_UPI00047B9AE8 UniRef90_UPI00047B9AE8 UniRef90_UPI00038097C0 UniRef90_UPI00038097C0 UniRef90_UPI000377C8DC GDQLVRGSWEAPVGTSVCRSGSTTGWHCGTVTALNVSVRV UniRef90_UPI00047B9AE8 UniRef90_UPI000377C8DC GDQLVRGSWEAPVGTSVCRSGSTTGWHCGTVTALNVSVRV UniRef90_UPI00047B785E1	· Y Y Y Y Y Y
UniRef90_UPI000287EF6E	Y Y Y Y Y
UniRef90_D7C0Z0 G P V T V A G S Q E A P V G S S V C R S G S T T G W H C G T V E Q L D T S V R Y UniRef90_UPI00047B9AE8 UniRef90_UPI00038097C0 UniRef90_UPI00038097C0 UniRef90_UPI000377C8DC UniRef90_UPI000377C8DC G D Q L V R G S W E A P V G T S V C R S G S T T G W H C G H I R A K N E T V N Y UniRef90_UPI000377C8DC G D Q T A G S V A L T G A A V C R S G S T T G W H C G T I Q Q H D T S V T Y UniRef90_UPI000377C8DC	Y Y Y Y
UniRef90_UPI00038097C0 UniRef90_D2PZH7 GDQLVRGSWEAPVGTSVCRSGSTTGWHCGHIRAKNETVN UniRef90_UPI00037C8DC GDQLVRGSWEAPVGTSVCRSGSTTGWHCGHIRAKNETVN UniRef90_UPI00037C8DC GDVQTAGSVQALTGAAVCRSGSTTGWHCGTIQQHDTSVT	Ϋ́ Υ
UniRef90_UPI000377C8DC G D Q L VIR G S W E A P V G I S V C R S G S I I H W H C G H I I R A K N E I V N N Y C R S G S T T G W H C G T I Q Q H D T S V T N LISIPE FOO UPI00046F38F4	Υ
Uniperior Upinonaesaesa CDVITVIT COTE All ECCOLVI <mark>O</mark> D COCT TOWING OT WOOD A COLVIT	Y
UniRef90_UPI0004653651	Y
UniRef90_UPI0003456024 G T V A V A G S E E A P E G A S V C R S G S T T G W H C G T I Q A K N Q S V S Y	Ϋ́
UniRef90_UPI0003644D39	Y Y
UniRef90_A4X936	Y Y
UniRef90_Q1D164 GNVTVAGSQEAPVNASICRSGYTTGWRCGVLQAKNLTVN	Ϋ́
UniRef90_F3NEN5	Y Y
UniRef90_UPI000345930D	Y Y
Unirego Tourist NV VAI GKAAEAAVGQQVLRMGSTTGLHDGTVLGLDATVN	Ϋ́
UniRef90_R1CBQ3	Y
UniRef90_D9XN22	Y Y
UniRef90_H8MK66 GNVLVQGSQEAGVNASVCRSGSTTGWRCGVITGKNVTVN UniRef90_V6JHK7 GNVQVTGSTQSPVGASVCRSGSTTGWHCGVIQQHNTSVT	Y V
UniRef90_UPI00039E847D GTVTVAGSTEAAVGSSICRSGSTTGWRCGTIQARNSSVT	<u>Y</u>
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UniRef90_A5EY82 GDSDAV KVGDWVLAIGSPFGFDTGITVSALGRSLPS UniRef90_D8I1H2 GDALVRGSWVAPVGTSVCRSGSTTHWHCGTVEGQNETVN	S
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UniRef90_UPI00037DDA2B	A L
UniRef90_UPI00036F88C1 GAIEITGAAQPSVGQQV <mark>C</mark> RAGRTTGVH <mark>C</mark> GTVVSVNDTISS UniRef90_R5E418 KLGKSDDVKVGEWVAAIGAPFGLDNGIVSAKSRNL	Y
UniRef90_W6EEV9 GDS SNLLEGDLVFAIGNPFGVTQGIISALNK	N
UniRef90_Q7NWC9	S
UniRef90_C3X651	Q
UniRef90_D9QQ40 GNSD NÜKPGDWTVAIGNPYGLNVGVISAUGRPLRI	
UniRef90_B5E9X7	
UniRef90_Q6SHZ8 LIPMGDSDKILVGEDVLAVGNPFGLLQGLVSAKGRS I UniRef90_U5NEC8 RIGDVGRLKVGEWVMALGSPFGLDN TVTAGIVSAKG	N Q
UniRef90_C5BRN2 Y LE LA A K D D LQ I G E WV V A I G S P F G L D A G T V S A T G R S T P T UniRef90_D2QXG2 G D S D E M R I G D WV L A L G Q P F G L N D G I I S A K G R A I L	Т
UniRef90_C5BRN2	_
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UniRef90_A6T368 T L G R V E E A R V G D V V L A I G N P F G V T M G I I S A L G R N H I UniRef90_UPI000374E79A D I G T A K N L Q V G Q W V L A I G E P F G V T H G I V S A L G R T L	
UniRef90_B7IER5 PV LEFGDSDKIKIGEWAII AIGEFGHGVVSAVGRKIP	Ķ
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UniRefan 039025 A DSDKUO VG OWALIALIGN PEGVTVGV VS A T G R S 1	N
UniRef90_Q6SFI5	Q A
UniRef90_UPI000369CA71 UniRef90_A4BBJ4 PVGSSRDLKVGEWVLAI GSPFGLESGVVSAKGRSL UniRef90_A4BBJ4 VVEFGDSDAVKVGEWVLAI GSPFSVTKGI VSAKGRAL	
UniRef90_F4BEX95 KTIPFGDSGNLKVGEWVLAIGSFFSVTXGIVSAKGKAL	S
UniRef90_UPI0004095BE5	ى H
UniRef90_W6M3H0 GD AHKIKVGQWVLAIGSPFGFTQGIISALGRNLPSUniRef90_M7SR90 GNLPVSGSTASSVGASICRSGSTTGVFCGTVRSLGATVN	S Y
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UniRef90_E8YP89	<u>A_</u>

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QUERY UniRef90 G2NVV3		RTNV <mark>C</mark> QTTVC	A E P G	DSGGP	L Y S G T R A I GL T S G	G S G G S G
UniRef90_S2YGX7	G N G D L V N G L L (Q T D V C	AEPG	DSGGS	L F D G E S A L G L T S G	GSG
UniRef90_M3E632 UniRef90_J1RWT9			AEPG	DSGGA	L F D G D A A I G L T S G	G S G G S G
UniRef90_K4RC81 UniRef90_S3Z8X1	QGGGTVRGMI	QTTV <mark>C</mark> QTDVC	AEPG	DSGGP	LYDGTKALGITSG	
UniRef90_UPI000287EF6E	GGGDVVYGMII	Ž T N V C	AEGG	D S G G P	LYSTGLAYGLTSG	GSG
UniRef90_E9UNN3 UniRef90_D7C0Z0	RGSGTVRGMI SEG MVSGLSI	QTDI <mark>C</mark> RTTV <mark>C</mark>	AESG	DSGGP DSGGS	<u>L Y </u>	
UniRef90_UPI00047B9AE8	QEGS VSGLT	QTTV <mark>C</mark> QTNVC	AEPG	DSGGS	L F A G D K A L G L T S G L Y S G S T A L G I T S G	GSG
UniRef90_UPI00038097C0 UniRef90_D2PZH7	GNGQLFYGATI	TSVC	AEGG	DSGGS	<u>L Y </u>	GWG
UniRef90_UPI000377C8DC UniRef90_UPI0004653651	QEG TIVIS GIVIT I	RTTV <mark>C</mark> RTNVC	AEPG	D S G G S D S G G S	FI S G V Q A Q G V T S G FI S G S Q A Q G V T S G	
UniRef90_UPI000475A26C UniRef90_UPI0003456024	PEG TVTGLV	QTTVC QTDVC	AEPG	DSGGP	L F A N G T A L G V T S G WL S D D Q A Q G V T S G	GSG
UniRef90_UPI0003644D39	SQG TIVIYGILITI	QTDV <mark>C</mark> RTNVC	AEPG	DSGGS	F L S G N Q A Q G M T S G	GSG
UniRef90_D9W9G2 UniRef90_A4X936		QTNV <mark>C</mark> RTNVC	AERG	D S G G A D S G G S	M	G S G G S G
UniRef90_R1ICF8 UniRef90_Q1D164		RTSA <mark>C</mark> KTN <u>A</u> C	AEPG	DSGGP	YLSGQQAQGTTSG	
UniRef90_F3NEN5	PEG TVTGLI	TDVC	AEPG	DSGGP	LFSDGLALGVTSG	GSG
UniRef90_UPI0004767288 UniRef90_UPI000345930D	PSG TVSGLTI S GD VNGLTI	RTDVC RTTAC	AEPG	DSGGS DSGGS	FII S G N Q A Q G M T S G WL A G T Q A Q G V T S G	G S G G S G
UniRef90_UPI000422AE0E UniRef90_F3NER1	QQGPVYGTT	QTSA <mark>C</mark> QTD <u>V</u> C	AQGG	DSGGS	<u>F </u>	GSG
UniRef90_R1CBQ3	GEKELL KLL	Q T D A A	Ñ P G	NSGGA	LVNNGELIGINSV	KLT
UniRef90_K6W5M8 UniRef90_D9XN22	GGG TIVIYGILIFI	QTDA <mark>C</mark> RSTIC	SAKG	D S G G A D A G G P	150 L Y S G S G S A L G L T S S G S G S S G S S S G S S S G S S S G S S S S G S	
UniRef90_UPI00034C2584 UniRef90_H8MK66	PQG TVHGLTI SAGP VYGLT	RTN <mark>V</mark> C ASS <u>A</u> C	A E P G A F G G	DSGGP DSGGS	WMA G N Q A Q G V H S G A F S G G T A L G I I V G F V S G T Q A Q G V T S G WL S G N Q A Q G V T S G Y I S G S Q A Q G V T S G A I S G S Q A Q G V T S G L V N A G K L V G I N T S G L F N G G E V I G I T S G L F N N G E V V G I N S G L F N N G E V V G I N T A	G S G G A G G
UniRef90_V6JHK7	PEG TISGV <u>T</u> I	RTTVC	AEPG	DSGGS	YISGSQAQGVTSG	
UniRef90_UPI00039E847D UniRef90_H6LA07	PQG TVTGLIC LGNRSIESFIC	Q T T <mark>V C</mark> Q T D A A E T T <mark>V C</mark>	VNPG	N S G G A	A	L A T
UniRef90_D6X979 UniRef90_A5EY82	PEG TVTGLI	ETT <mark>VC</mark> QTDAA	A E P G	DSGGP NSGGP	L	G D G
UniRef90_D8I1H2 UniRef90_I3Y6P3	AQG AVYQMTI	RTNV <mark>C</mark> QTDVA	AEPG	DSGGS	FITGDQAQGVTSG LFNNGEVVGVNSC	G W G
UniRef90_UPI00037DDA2B	LANETYVPFI	Ž T D V A	N P G	N S G G P	LFNNGEVVGINSC	≬I Y T
UniRef90_B3QU21 UniRef90_UPI00036F88C1	HDSFGVETFI PEG TVYGLFI	Q T D A V R A T L <mark>C</mark>	VEPG	NSGGA DS AS	<u>L V</u> N N G Q L I G I <u>N T A</u> A Y S G G T A L G L <u>L V</u> S	S R G S P
UniRef90_R5E418 UniRef90_W6EEV9	PDEQFVPFI	RAT <mark>LC</mark> QTDVA QTDAS	V N P G I N P G	N S G G P	L F N M G E V I G I N S C L V S R G A L I G I N S A	
UniRef90_Q7NWC9	P D E S A V Q F I (AADTG	VNPG	DS AS NSGGP NSGGP NSGGP	LFNKGEVVGVNSC	ISR
UniRef90_A3Y8F6 UniRef90_C3X651	LGINIYENFI		INPG	NSGGA	LIDIGNLLGIINSA	ISR
UniRef90_A8GM89 UniRef90_D9QQ40		Q T D A A Q T D A A	I NNG INPG	NSGGP NSGGP	MFNLDQVIGVNTA LLNEGQVIGINTA	
UniRef90_B5E9X7 UniRef90_K2GIX5	GP YDDFI	QTDAS QTDVA	I NPG	NSGGP	L F N T G E V I G I N T A	I V
UniRef90_Q6SHZ8	VGINEYENFI	Q T D A A	I NPG	NSGGP	LVSRGEIIIGVNSA	I S Q
UniRef90_U5NEC8 UniRef90_C5BRN2	ERNENYVPFII	QTDVA QTDVA	I NPG	NSGGP	LINRGEVVGINSC LFNDGKVVGVNSC	I S R I Y T
UniRef90_D2QXG2 UniRef90_UPI0003742D7B		Q T D A A Q <u>T</u> D A A	I N P G	NSGGA	L V N R G Q V I G I N T A L V N T G Q L I G I N T A	1 5 0
UniRef90_UPI00037EEC05	GKNRIVIYRGFILIO	Q D A S Q T D V A	I NPG	NSGGP	I I NNGSII I GII NTA	II IF K
UniRef90_UPI00036CE46C UniRef90_Q1PXM9	MTGRTILIFDIVI	Q T D A A	INPG	NSGGP	L L ID S G R IV I IG M N T S	II IS P
UniRef90_R1CNA3 UniRef90_H0PU24	DENNVIEDLI (QTDAS QTDVA	I NPG	NSGGP	LFNKGEVVGINSC) I S Q
UniRef90_UPI00035D8513 UniRef90_C6WSZ2	NKG VVDDFII (QTDAA QTD <u>A</u> S	INRG	N S G G P	MFNDGQVIGVNTA	I S Q
UniRef90_UPI000255A74B	E S R E N Y V P F II (Q T D V A	N P G	N S G G P	L F N E G E V V G I N S C L V D S G A V V G V N S A	N Y T
UniRef90_I0AKF7 UniRef90_A6T368	GILDAFENFI	Q T D A V	IIINPG	NSGGA		I A G I S R I S N
UniRef90_UPI000374E79A UniRef90_B7IER5	PDNSGYYNLI	Q T D V P Q T D A A	I NPG	N S G G P N S G G P	L L N A G E V V G V N A C L L D H G Q V I G I N T A L I S K G E V I G I N T A	II S N
UniRef90_H7CYQ4 UniRef90_UPI00037AB4B8	FNGNVI DYL	A A G T C	I N P G	N S G G P	L I S K G E V I G I N T A	K K V
UniRef90_H5SNV6	KEAFRVESFI	Q T D A A	V N P G	N S G G A	I VIDNGKII VIGII INTA	.∐S T
UniRef90_UPI00035FE661 UniRef90_UPI00035FB7EB	A E G S V H Q L I (P E G T V T G L I I	T T V C	AEPG	DSGG <mark>C</mark> DSGGP	LFSGSVGLGITSG LFSEGLAIGLTSG	G D G
UniRef90_M7NZ40 UniRef90_Q39Q25	D S Y I V I P F I I I ($A \mid V \mid G \mid T \mid G$	II IN P G	NSGGP	LIFNDGEIVLIGILINSC	ISR IV
UniRef90_Q6SFI5 UniRef90_UPI0003B47F72	QENYV PFI	QTDAS QTDVA	INPG	NSGGP	LFNNGEVIĞINSC	I S R
UniRef90_UPI000369CA71	PDETQVPFI	ŽĮDVA	VNPG	N S G G P	LFNTGEVIGINSC	i s ĝ
UniRef90_A4BBJ4 UniRef90_F8EX95	GGTDRŸVPFLOSSNTIIRDMI	ΣΤDΑS	I N P G	N S G G P N S G G P	L INHGE VI GINTA L FNNGE VI GINS C L FNNGE VI GINS C L FNAGE VI GINS C L FNAGE VI GINS C L FNS GE VI GINTA L VNRGE L I GINTA L VNRGE L I GINTA L VDE GHL L GINTA L VDE GE VI GINTA L VNAGE L VGINS C L L SAGR L I GVNS C L L SAGR L I GVNS C L L NAGE L VGINS C L VNAGE L VGINS T L VNAGE L VGINS T L VNAGE VI GINS S L VNAGE L VGINS T L VNAGE VI GINS S L VNAGE VI GINTA	III S P
UniRef90_UPI0004095BE5 UniRef90_G2J9P8	I E G Y E D F I (L G I S K F E N F I (QTDAS	I N P G	N S G G A	L V N R G E L I G I N T A	I A P
UniRef90_W6M3H0	DN YVPFI	Q T D A A	N P G	NSGGP	LFNDGEVIGVNSC	S R
UniRef90_M7SR90 UniRef90_D2Z2N9	AEGR VTGLTO	Q T D A A	I N P G	N S G G P	L L N D G K V I G I N T A	I I P
UniRef90_Q2CD93 UniRef90_R7NUE5	G R G G A V R GL I (Y N Q G V E S F I (Q T D A A Q T D A A	I NPG INOG	N S G G P N S G G A	L L S A G R L I G V N T A L V N A G E L V G I N S V	I S P Y S P
UniRef90_C3JB33	EGGŠKLGGFI	Q T D A A	VNPG	NSGGA	LVNAĞELVĞINT	II Š Q
UniRef90_UPI00047A293B UniRef90_H5XSC2	LGINTFENFI (QGVASYNLI)	Q T D A A	I N P G	N S G G P	L VNQGQVIGINSV	K Y A
UniRef90_E8YP89 UniRef90_J1JPT9	PNENYTPFI (GP YDNFI)	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	V N P G	N S G G P	L F N Q G E V I G I N S M L F D N G E V I G I N T A	II S Q I S P
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QUERY	170 N C S S G G T T F F Q P V T E A L V A Y G V S V Y N C T S G G T T F F Q P V V E A L N A Y G V S V Y D C T S G G E T F F Q P V N P L L S Q Y G L T L D C T K G G E T F F Q P V P E A L K A Y G A E I N C R T G G T T F Y Q P V P E A L S A Y R V S V Y D C S S G G E T F F Q P V P E A L S A Y R Q S V V P C S S G G T T F Y Q P V P E A L S A Y R Q S V V P C S S G G T T F F Q P V P E A L N A Y G V S V F D C S S G G T T F Y Q P V R E A V R A Y D V N V Y D C T A G G T T F Y Q P V R E A V R A Y D V N V Y D C T A G G T T F Q P V G P A L E A F G A E L Y N C T S G G E T F F Q P V T E A L S A Y G V S I Y
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UniRef90_S2YGX7	D
UniRef90_W3E032 UniRef90_J1RWT9	DCTKGGETFFQPVPEALKAYGAEI
UniRef90_K4RC81	NCRTGGTTFYQPVPEALSAYRVSVY
UniRef90_S3Z8X1	D
UniRef90_0F1000287EF6E	DCSSGGTTFYQPVREAVRAYDVNVY
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UniRef90_UPI00047B9AE8	D C T S G G E T F F Q P V G P A L E A F G A E L Y N C T S G G T T F F Q P V T E A L S A Y G V S I Y
IUniRef90 D2PZH7	N C S S G G E T W F Q P I V I N E II L I G A Y G I L I T I L I F
	DCTRGGTTFYQPII NPLLISTYGLITILI
UniRef90_UPI0004653651 UniRef90_UPI000475A26C	
UniRef90_UPI0003456024	D C T S G G T T F F Q P V N P L L E A Y G V T L L
UniRef90_UPI0003644D39	DCT OGGET FEODVITGAL
UniRef90_A4X936	NCTWGGTTFFQPVVEALNVYGVNVY
UniRef90_R1ICF8	D C T F G G T T Y F Q P I N P V L R A Y Q L K L F
UniRef90_Q1D164 UniRef90_F3NFN5	D C E S G G T T E F Q P L R T A M S A L G V R L
UniRef90_UPI0004767288	DCTYGGTTYFQPVNEALNAYGLSL
UniRef90_UPI000345930D	DCTAGGTTFFQPVNPLLAAYGVTLL DCTWGGTTFFQPVNPLLEAYGVTLL DCTWGGTTFFQPVNEALNAYGLSL DCTQGGETFFQPVTGAL NCTWGGTTFFQPVVEALNVYGVNVY DCTFGGTTYFQPINPVLRAYQLKLF TCANGNQTFYQPVNPLLGAY DCESGGTTFFQPVNPLLGAY DCTYGGTTYFQPVNPLLSAYGLSL NCRSGGTTFFQPVNPLLSAYGLSL NCRSGGTTFFAPVNPLLSAYGLSL
UniRef90_F3NER1	DCDAGGETFFQPVTTALQATGATL
UniRef90_R1CBQ3	STGVEGMGFALPINDAL
UniRef90_K6W5M8 UniRef90_D9XN22	NCSSGGVTYYOPVTFWISAYGISIV
UniRef90_UPI00034C2584	NCRTGGATYY AELLTPMVNSWGVSLY
UniRef90_H8MK66	NCAIGGRIFFAPVNPILSAYGLSL DCDAGGETFFQPVNTIALQATGATL STGVEGMGFAIPINDAL QDGKPNVAYFQPLNPILETYGLTL NCSSGGVTYYQPVTEWLSAYGLSIY NCRTGGATYYAELTPMVNSWGVSLY NCSSGGNTVFQPLLPILNAY NCSSGGTTFYQPVNPLLQAYALTL NCSSGGTTFYQPVNPLLQAYALTL NCSSGGTTFYQPVNELLSVYGLTL
UniRef90_V65HK7 UniRef90_UPI00039E847D	NCSSGGTTYFQPVNELLSVYGLTL
UniRef90_H6LA07	PTGTAGYSFAVPINLVKKVVG DCTTGGTTYFQPVTTAMEKLGVDL SGAFNGVGFAIPINLA NCSSGGETWFQPVNEILQTFGVSL TGGFMGLSFAIPIDVAMDVVN SGGFMGLSFAIPIDVAMDVVN SGGFMGLSFAIPIDVAID
UniRef90_D6X979 UniRef90_A5FY82	S G A F N G V G F A I P I N I A
UniRef90_D8I1H2	NCSSGETWFQPVNEILQTFGVSL
UniRef90_I3Y6P3	T G G F M G L S F A L P L D V A M D V V N
UniRef90_B3QU21	NGSYQGYGFALPINLA
UniRef90_UPI00036F88C1	CSSGGTAFYQPVVPVLAAYGLS
UniRef90_B3QU21 UniRef90_UP100036F88C1 UniRef90_R5E418 UniRef90_W6EEV9 UniRef90_Q7NWC9 UniRef90_A3Y8F6 UniRef90_C3X651 UniRef90_B5E9X7 UniRef90_B5E9X7 UniRef90_B5E9X7 UniRef90_B5E9X7 UniRef90_C6SHZ8 UniRef90_C5BRN2 UniRef90_C5BRN2 UniRef90_C5BRN2 UniRef90_C020	S G G F M G L S F A I P L D L A V Q T G G N N G I G F A I P S N M V
UniRef90_Q7NWC9	S G G F M G I S F A I P I D T A M N S G G F M G V S F A I P S N L V M S
UniRef90_A3Y8F6	S G G F M G V S F A I P S N L V M S S G G S L G I G F A I P V S T V
UniRef90_C3X631 UniRef90_A8GM89	LIGT NI GI GFAI PSNTA
UniRef90_D9QQ40	NAQAQGI GFAI PINEA
UniRef90_B5E9X7	A G G Q G I G F A I P V N M A S G G F M G L S F A I P I D M A M D
UniRef90_Q6SHZ8	S G G Y Q G I G F A V P I N M A
UniRet90_U5NEC8 UniRet90_C5BRN2	S G G S M G I S F S I P I D E A M R S G G S I G L S F A I P S S V A L N
OTHITCHOO_DZ WATOZ	
UniRef90_UPI0003742D7B UniRef90_UPI00037EEC05	S G S Y Q G Y G F A V P S N L A L T E Y G Q A E G T G F A I P T N K A L I R Y G
UniRef90_UPI00037EEC05 UniRef90_UPI00036CE46C	N G G F M G L S F A I P I D V A M D
UniRef90_Q1PXM9	S G A S T G I G F A V P I D T I
UniRef90_R1CNA3 UniRef90_H0PU24	S A E G L G F A L P I N L A T G G F M G L S F A I P L D L A M D
UniRef90_UPI00035D8513	NGGNIGLGFALPSNTV
UniRef90_C6WSZ2 UniRef90_UPI000255A74B	S G G S M G I G F A I P T T L A S G G S I G L S F A I P A S L A
UniRef90_I0AKF7	T G T Y I I G Y G F A I I I P I I I N I I A
UniRef90_A6T368 UniRef90_UPI000374E79A	S G G S L G I G F A I P V T T V S G G S M G L S F S I P I D L A M N
UniRef90_B7IER5	P S F A M N I I G F A II I P II I N T A
UniRef90_H7CYQ4	G E DILIE GILIG E A ILI <mark>d</mark> ili N E IVIK T DILIG
UniRef90_UPI00037AB4B8 UniRef90_H5SNV6	TGTFAGYSFAV <mark>P</mark> VTIVIRFYG
UniRef90_UPI00035FE661	S G G F M G L S F S I P M S V A M T G T F A G Y S F A V P V T L V L R E Y G G G G S S Y F Q P V G E A L S A Y G V A L D C D T G G T T Y F Q P V T S A L E D L G V R L
UniRef90_UPI00035FB7EB	D C D T G G T T Y F Q P V T S A L E D L G V R L H G G F M G V S F A I P I D V V M N
UniRef90_M7NZ40 UniRef90_Q39Q25	A A G Q G I G F A I P V N M A
UniRef90_Q6SFI5	T G G Y M G L S F A I P I D V A M N
UniRef90_UPI0003B47F72 UniRef90_UPI000369CA71	S G G F M G V S F A I P I D V A M T G G Y M G L S F A I P I D V A
UniRef90_A4BBJ4	S G G F M G V S F A I P I N L A L N
UniRef90_F8EX95	
UniRef90_UPI0004095BE5 UniRef90_G2J9P8	NGGSLGI GFAII PVSTVRAVF
UniRef90_W6M3H0	S G G N V G I G F A I P S N M A T S N G G S L G I G F A I P V S T V R A V F S G G Y Q G V S F A I P I D V A M D C S S G G T T Y F Q P V N E I L S T Y G L T L
UniRef90_M7SR90 UniRef90_D2Z2N9	D C S S G G T T Y F Q P V N E [L S T Y G L T L] Y A Q G [G F A [P V N M A
UniRef90_Q2CD93	S G A S A GII IG F A II IPIVIG S IVI
UniRef90_R7NUE5	T G A Y S G Y G F A II IPIV V IA DIL IK E Y G
UniRef90_C3JB33 UniRef90_UPI00047A293B	S G G S M GIL IG F A IL IPIVIS T A
UniRef90_H5XSC2	IVIT G F E G M G F A II IPII IS D A IL I
UniRef90_E8YP89 UniRef90_J1JPT9	TGGFQGLSFAIPLNEAIK SGGSLGIGFAIPSDMALSVIN
OTHIVEISO NITE IS	O O O O I O I O I A I F O D WALOVIN

	1 10	20 30 40
UniRef90_E3DUC8 UniRef90_L0GZ59	_	D N K K A Y I T N N H V V E G A N K G S G F I S H D G D V L T N A H V V E G A S E
UniRef90_E2PI48	S D D G G L N F	F G S G F
UniRef90_C7LVS1 UniRef90_UPI00036EB445	_	G
UniRef90_B8FZQ6 UniRef90_E1VHD6	Г 9 П	T G S G F I D A Q G Y I V T N Y H V I E N A Q K
UniRef90_B5JX04		GSGFIISDDGYIITNNHVIEGADE
UniRef90_X2HAE5 UniRef90_F4GXH8	Ī	G S G V I M S E A G Y V L T N N H V I E G A D E G S G F I I S D D G Y I I T N N H V I E G A D E G S G F I I S K D G Y I L T N T H V V N G M N N V G S G F I I S E D G Y I L T N N H V V A K S N G
UniRef90_UPI0004715D16	<u>Ľ</u>	LIGSGFILLIDPLGYILVILNNHIVLIKKADK
UniRef90_D0LRW9 UniRef90_U2AE12	V R G G D R Y I S S G S A <mark>C</mark> S I	TGŚĞFI WD D R G H V V T N Y H V I Q Q A D R G F A V Q G G F V T A G H C G A A G K E
UniRef90_C5CSF1 UniRef90_UPI000427D55C	<u> \</u> S.M	V G S G F I L S A D G Y V M T N A H V I E D A S E W G S G F I I S P D G Y V L T N H H V V D G A D E G S G L I F S E D G Y L L T N Y H V I N G A R Q
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UniRef90_UPI0002886F59 UniRef90_UPI00036D1857	SI	GTAFFVTTDGYMLTNHHVVAGADK GSGFVIDPSGLITNNHVIADAND GSGVIVSPEGHILTNNHVIADADD
UniRef90_UPI0003084151 UniRef90_A6C1C4	<u> </u> R M G ∃	_GSGVIVSPEGHILTNNHVIEDADD FGSGFILNKSGLIMTNSHVVNGADV
UniRef90_D5DMF5		<u> </u>
UniRef90_I0ETE5 UniRef90_K8YVK1	լ <u>։</u> 	_ G
UniRef90_UPI00035D77FB UniRef90_UPI00047B2C20	<u> </u> G G Q P A G	G S G F V W N D K G Y V T N Y H V R S A E S G S G F V S Q D G Y L T N A H V V A D A A D F G S G V Y G N T A F V T N H H V V E G A Q E
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UniRef90_H1HM53 UniRef90_L1QJ72		TGSGVI I SPDGYI VTNNHVVNGADE GSGFI I NEDGYI LTNYHVVEGAKE
UniRef90_UPI000365815E	sĽ	_]G
UniRef90_UPI000401CD3A UniRef90_D7DWV4	GDR[]SQGRQRVGS	G S G V I I A S N G Y I V T N N H V I D K A D K S G S G F I I N S S G Q I L T N S H V V D G A D Q
UniRef90_Q30ZT6 UniRef90_A0A024IN79		_G
UniRef90_M5PEH3	تِ	ΓGSGVI ANGKAYII ITNNΗV VEGASK
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UniRef90_UPI0003731792 UniRef90_UPI000382DC5D	S <u>L</u>	_ G
UniRef90_I4X2U9	5546666868	「 G S G V I <u> Y </u> N G T A Y V V T N <mark>H H</mark> V I D G A S G
UniRef90_E4TN08 UniRef90_UPI000409E285	E F H G G G G S Q S S	S G S G V I I S P D G Y I V T N N H V V E N A S K _G S G F I I N A N G Q I L T N S H V V N G A D T
UniRef90_U5T6B9 UniRef90_L1KPW1	S <u>L</u> G G D A l T F G G G A R <mark>C</mark> S A	GSGFIINANGQILTNSHVVNGADT GSGVVVDAEGYVLTNHHVIAQADE AGFNVTNDGTPGFLTAGHGG VAES
UniRef90_UPI00036CC4CB UniRef90_B3EE13		GSGVIYTSNGYVITNLHVVEGAED GSGVIVTSDGYILTNNHVVDKADA
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UniRef90_A8EWJ3 UniRef90_D4YIN5	GNQFKQNR <u>V</u> QRS <u>L</u>	G
UniRef90_T0IKN8 UniRef90_A5D127	L I	GSGFI ISKDGYI VITNNHVVAGAER GSGFI ISSDGYI ITNEHVI EGATE
UniRef90_UPI00047B9D35 UniRef90_W6RDE0		G
UniRef90_T0JB33	٦	「GSGFI WDGAGHV VTNFHV I QGASE
UniRef90_K2HCQ8 UniRef90_N6Y8C6	P G Q P G M G P R T R Q G II	G S G F V T S D D G Y I V T N N H V I E G A D E G S G F I V S Q D G Y V L T N A H V V A G E D E
UniRef90_UPI0004759EB2 UniRef90_UPI0002559BC0	\	V G S G V I Y G D K A Y I V T N H H V V E D A T E - G S G V I L N P Q G Y V V T N N H V I S G A D S
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UniRef90_R6ETN9 UniRef90_F0G3H5	_	_ G S G V
UniRef90_W6NAF5 UniRef90_I1YJE8		GSGII INSDGYILTNYHVVQNAQS GSGVIDAKAGLVLTNNHVIQRADE
UniRef90_B8D072	3 <u>L</u>	GTGF IV SKDG <u>Y</u> IV TNE <mark>H</mark> VI <mark>H</mark> GAEK
UniRef90_A0YKV5 UniRef90_X2GU44		G
UniRef90_W4MGL1 UniRef90_UPI000477B042	7 9 II	T G S G F I WN S Q G H I I T N F H V I Q N A S G G S G F V V S D D G V I I T N N H V I E N A D E
UniRef90_K0K475	G T N <mark>C</mark> S <u>L</u>	_ G
UniRef90_R7JKY7 UniRef90_C0GIA9	1	G
UniRef90_I4D2D7 UniRef90_I2K8A3		GSGFIIDAKGYIVTNNHVIDGAQK FGSGFIWDRQGHIITNYHALQGASA
UniRef90_I3ZAG7	TGPNORVSI	T G S G V L T S G D G Y L L T N N H V L F R A F T
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UniRef90 E3DUC8	50 70 80 LIVITLY NGKTETAKL VGSDALT DLAVLEI SSDNVDKVASF
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UniRef90_C7LVS1 UniRef90_UPI00036EB445	I RVRL L D G R Q F D G E L V G S D P D F D L A I L H L K D A Q N L P Q A S M V V V K L I D K R T F T A K V V G A D A R T D V A V I K I T A N N L P V V
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UniRef90_E1VHD6	I RVAL HDGRELLASVVGTDPETDLAVLSI ESRDLPSI
UniRef90_B5JX04	V V K L N D R S E Y L A E V I G S D A D T D I A L L K V E A D K S L P T V E L
UniRef90_X2HAE5	I KVLLNDKREFQAKLI GADAQSDVALLKI NADELPVV I FVTMTSGKEYKAELI GTDPRTDVALI KI DAKGLTP
UniRef90_F4GXH8 UniRef90_UPI0004715D16	I F V T M T S G K E Y K A E I I G T D P R T D V A L I K I D A K G L T P I T V T L Q D N T V L S A H A V G H D D R T D L A L L K V D S K K P L P F V S F
UniRef90_D0LRW9	LFVI LQDGTKWPASVVGAAPDKDMAVLEVEA PREKL
UniRef90_U2AE12	VI TACMADACAVOAACEDCUDVAWVDVDACECDVDVAC
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UniRef90_UPI0002886F59	I TVTLNDRTELDVTLVGSDER <u>S</u> DVAVLKVVGNQF <u>P</u> A
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UniRef90_UPI0003084151 UniRef90_A6C1C4	
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UniRef90_I0ETE5	LKVTIGNNKEYSATL VGT DSESDLAVIRITKDNLPTLKFS
UniRef90_K8YVK1 UniRef90_UPI00035D77FB	A CIVILILI D R S L Y K AIL LIR G F D P D K DIVIAIV LIRIVIF A P P A SILL
UniRef90_UPI00035D77FB	I I E V IS IT P D G T K IT P A K IL V IG S D IT W T D IL IA V L I E IV D G K D IL IK T IV IA E E
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UniRef90_UPI00028A2965	I QVALROGRETLAEVIGTOPESOLAVLRIELDNLPVI
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UniRef90_UPI000401CD3A	I E V V L D D K R K F E A R L V G T D P T T D V A L L K V E T E N L P T I R Y G
UniRef90_D7DWV4	VIVILKDGRTFDGKVLGEDPVTDVAVIQINANNLPILA
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UniRef90_R5QNK8	V M V T M N G G K A L K G K V V G K D P K T D I A L V K V D S P E P L T P V T L
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UniRef90_I4X2U9	I É V T L S D G S K V E A T V V G S D I W T D L A V L E M D G A K V Q A V A Q F L E V V L H D N R S Y T A K V I G A D P N T D I A L L K I N E K D L
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UniRef90_L1KPW1	EWSEEEGGAPIGTVDAATFPGGDFALVKYNDPATQAASTV
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UniRef90_UPI000364F9B8	VKVALSDGREFTSKVLLKDETLDLAVLKIESDKPFPTIAL
UniRef90_A8EWJ3	I TVTGDDTTEYNAKLIGKDADSDIAVIKI DVKTDLTPIKF
UniRef90_D4YIN5 UniRef90_T0IKN8	I NI I MADGIQVEAEVVGSDPWIDLAVLEIISSDVVTTVAEF
UniRef90_A5D127	VYVTTGFDGDFKAEVAGADYDLDLALLKI NAGSELPFLT
UniRef90_UPI00047B9D35	I YVTLT DGREFKAKVIGT DERT DVAL I KI DAKGMT PLA
UniRef90_W6RDE0	LEVINFADGIKLIKAKLIGTDTKTDLISIVLKIVEPKAPLITAVKF
UniRef90_T0JB33 UniRef90_K2HCQ8	INVEFFNGTELPAEVIGTDPKTDIAILIKVTSAAPIKPVPF
UniRef90_N6Y8C6	VITVITLIDKREFKAKVVGIDRRTDVALLKI DAKGLPAV
UniRef90_UPI0004759EB2	LEVILIS DGRKVPGKQQGSDLWTDLAVVELINSKDL GEG
UniRef90_UPI0002559BC0 UniRef90_U5UM99	I KVQL HNSKQVKAKL VGKDAVTDII AVIKI NNTKGII KAI DF
UniRef90_Q10UW0	VEVVLKDGRRLQGKVLGTDSLTDVAVVKII DAGSLPTV
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UniRef90_R7JKY7	L RVKLS D GRIFDAKVIGIDPIT DVAL VKI E A E DLP
UniRef90_C0GIA9	LISIVITILIA DIGIQE YEASILI IGADPAT DILIAIVI IRII DIKEGILI, AVISHF
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UniRef90_I3ZAG7	LEVVII OKRTYQAKLIGIDKNTDLAVLKIEASNDPAN
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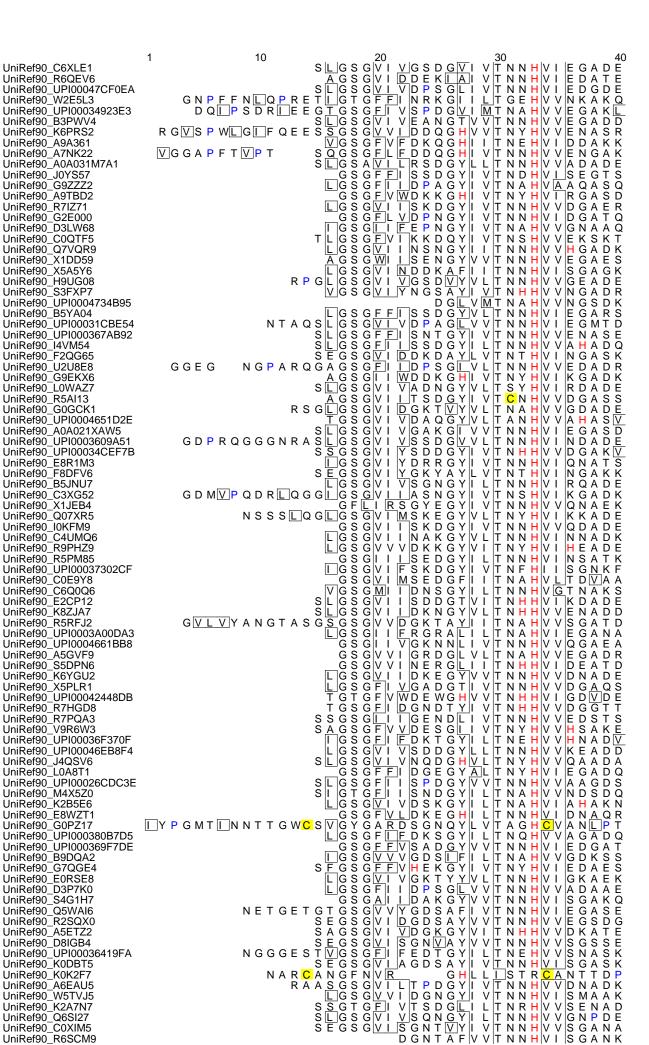
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UniRef90_U2H9R9 UniRef90_A0ZD08	I EVQLI DNRSFEAKVI GRDPNFDLALI KVNA I NLP
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JAINGERGO LIPIDO0385C401 JAINGERGO BABM3R2 JAING	UniRef90_UPI0003B7200E	A_D
Jinkel90 D61W21 Jinkel90 E6VX09 Jinkel90 E6VX09 Jinkel90 E6VX09 Jinkel90 UP10003610994 Jinkel90 UP10003610994 Jinkel90 UP100046DA7 Jinkel90 UP100046DA7 Jinkel90 UP100046DA7 Jinkel90 UP100046DA7 Jinkel90 UP10002611052 Jinkel90 UP1000360CP7B Jinkel90 UP1000360CP7B Jinkel90 UP1000360CP7B Jinkel90 UP1000360CP7B Jinkel90 UP100360CP7B Jinkel90 UP100372EP8D Jinkel90 UP100372EP8D Jinkel90 UP100372EP8D Jinkel90 UP100372EP8D Jinkel90 UP100372EP8D Jinkel90 UP100372EP8D Jinkel90 UP100372E98D		GKSSVL RVGDPVIAVGNPFGVTSGIVSARGRSII GDSDAIIF VGFWVVAILGSPFGVTAGIVSAKFRNIPS
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Jinkef90	UniRef90_UPI0002E11052	DEGDSDTVKVGDKAVALGNPLGLQSGLISGENRTVSF
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JAIRE690_D7CMZ3 JAIRE690_TCMZ3 JAIRE	UniRef90_K9WE45	ELASSTQVQAGQWAI AI GNPLGLQVGVVSAI DRSSDI
JAINEP90_Z75Z5 JAINEP90_A1UB73 JAINEP90_JAINEP	UniRef90_UPI000360CD7B	GNSGSLRPGEAAVGNPLGLGGSTFGIVSYTSRVIPVSINQ
JniRef90		ADSO DILLIGETIVI ALIGNPEGIVI I GIVI ISAVIGRALIRI
JniRef90_J3HH67	UniRef90 Q725Z5	PMAHSADL MPGETVLALGNPFGVTTGVVSALNRTIRS
JniRef90	UniRef90_A1UB73 UniRef90_J3HH67	RIGDPARII EVGEWV LAIGAPYGF SNGI VSAKGRSL
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Drikef90_W1HSX5	UniRef90_A0A059IJY3	K F G S S T K M R V G D D V M A V G N P F G V T S G I I S A K A R D I I
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Drikef90_W1HSX5	UniRef90_K9HL36	PTLPLTDSDALEVGDLVLAVGNPFGVTMGIVSALGRTTGG
JniRef90_R61384	UniRef90_UPI000372819E	DYILIPEGDSN NIVIQII IGEWIY LIAIVIGN PENILII SGII VISAKARDILIGK
JniRef90_R61384	UniRef90_M1HSX5 UniRef90_W0DHB7	RIVIA KILIG D S D NILIKIVIG QIL VI IATI IG N P Y GILIE R GIV I S ALLIR R SILIGII
JniRef90_S6CFL5	UniRef90_R4LN86	WVQQLTSSRDPFVGEQVARVGNRSSDMVGAVLLTDVTVNY
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JniRef90_E/S0Y9	UniRef90_UPI000376F596	PLADSDE LRVGDFVVAI GNPYGVTSGI VSALGRSGLG
JniRef90_E/S0Y9	UniRef90_M5RFJ0 UniRef90_A8LK83	D PILIPILI G R S D A IL R V G O SIV I AIL G Q P F GIL E S GIL V S A K N R GIL IGII
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JniRef90_M1ZAF1	UniRef90_G2IG50	S ILIG N S D EIL L VIG E SIV VIAII IG S PILIG T T K GII VIS AILID R DII ITII I
Jinkergo_UPI000479CB36 Jinkergo_UPI000479CB36 Jinkergo_UPI000479CB36 Jinkergo_UPI000479CB37 Jinkergo_BOCDYO Jinkergo_SEUM5 Jinkergo_SEUM		GDSD AII IQIVIGE WSIVIAII IGN PYGIVITIVIGIV I ISAK GR PIL ITII I
		GDSEKLQVGQEVIAAG APLGERSTVTHGI ISALHRPVPL
JAIRE690_BOCDY0 JAIRE690_EZPIUM5 JAIRE690_SAY8N9 JAIRE690_SAY8	UniRef90_UPI000479CB3B UniRef90_X8K2E5	GDSDSUSVGDQAVALGNPLGELKSGI I SAVNKSI MVV
SAY8NS	UniRef90_B0CDY0	GNSD QAQVGDWALAVGNPVGLDNGI ISTLHRTAEV
JINKE190	UniRef90_S4Y8N9	GDSE QLRVGEHVLAVGNPFGLGHGIVSAKARALGA
JniRef90	UniRef90_Q07XR6 UniRef90_F3XTJ3	ANSD NTQLGEWVLAVGNPFNLNSGIISAKARNISE
JiniRef90_E6W960 JiniRef90_E6W960 JiniRef90_E5WK0 JiniRef90_B2J9T3 JiniRef90_B2JB31 JiniRef	UniRef90_V2TSZ1	PFKLSGN EVGDVVLAI GNPFGVTQGI I SALGRS D
Jnikef90_12JGL1	UniRef90_E6W960	ADSD NERVGDYTVAI GNPYGVITSGI VSAEGRSGEN
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JNIRef90_S0ARI6 JNIRef90_S0ARI6 JNIRef90_G6FX41 JNIRef90_UP1000368A7E0 JNIRef90_UP1000368A7E0 JNIRef90_UP1000468A7E0 JNIRef90_UP1000468A7E0 JNIRef90_UP1000468A7E0 JNIRef90_UP1000468A7E0 JNIRef90_UP1000468A7E0 JNIRef90_UP1000468A7E0 JNIRef90_UP10004791856 JNIRef90_UP10004791856 JNIRef90_UP10004791856 JNIRef90_UP10003A83584 JNIRef90_UP10003A83584 JNIRef90_UP10003A83584 JNIRef90_UP10003A83584 JNIRef90_UP10003A83584 JNIRef90_C3MEB8 JNIRef90_C3MEB8 JNIRef90_C3MEB8 JNIRef90_C3MEB8 JNIRef90_UP1000365D669 JNIRef90_C3MEB8 JNIRef90_C3MEB8 JNIRef90_UP1000365D669 JNIRef90_C3MEB8 JNIRef90_UP1000365D669 JNIRef90_C3MEB8 JNIRef90_UP1000365D669 JNIRef90_UP1000365D669 JNIRef90_C3MEB8 JNIRef90_UP1000365D669 JNIREf90_UP1000365D669 JNIREf90_UP1000365D669 JNIREf90_UP1000365D669 JNIREf90_UP100	UniRef90_B2J9T3	GSST NVQVGDWALAVGNPLGFDNTVTLGLVSTLQV
JniRef90_S0AR16	UniRef90_UPI0003B3CC87	T L S D S R N L M V G Q R V Y A I G N P F G L N R G I I S A L R S L R G
JniRef90 G6FX41	UniRef90_S0ARI6 UniRef90_A0A022GTR4	E L G D S E K L R V G S L V L A L G L P M G V I S A K N R P M P W D S S R V R A G F P V I A L G S P Y G F F N G L V S A L A R S L
JRIKE190_UP100016C4B30 JRIKE190_IP100016C4B30 JRIKE190_IP100016C4B30 JRIKE190_IP100016C4B30 JRIKE190_IP10004791856 JRIKE190_UP10003A83584 JRIKE190_UP10003A8384 JRIKE190_UP10003A8384 JRIKE190_UP10003A8384 JRIKE190_UP10003A8384 JRIKE190_UP10003A8384 JRIKE190_UP10003A8384 JRIKE	UniRef90_G6FX41	OTO MGNSEQUOPGOLALALGNPLGLDNGI ISATGRNGNL
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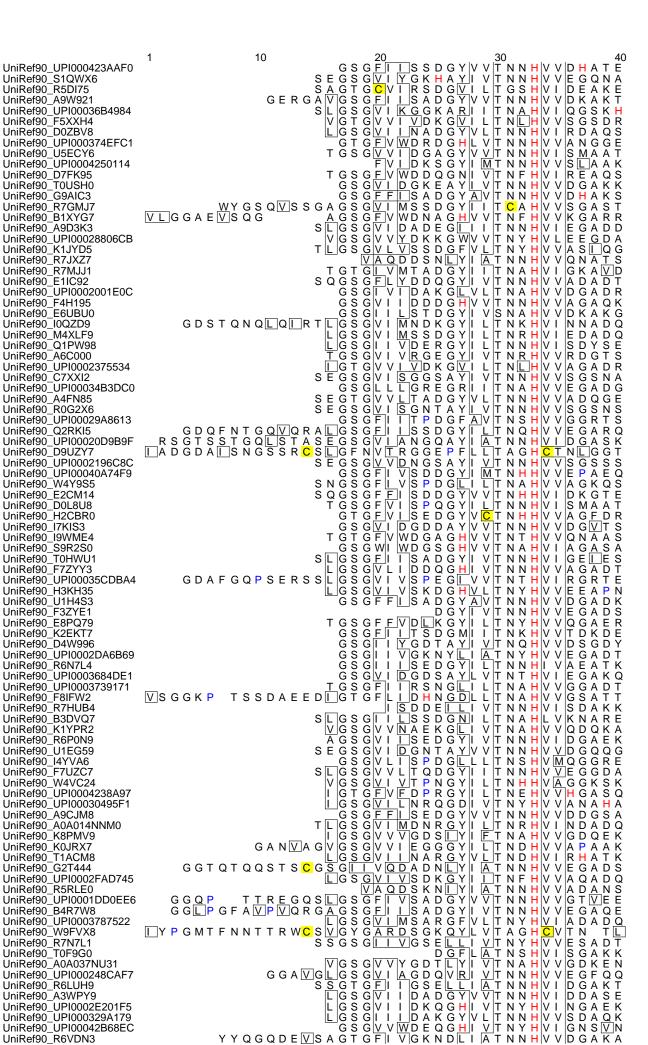


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UniRef90_I UniRef90_I UniRef90_I	F8DFV6	T V K Q R G Q E E V G R L V G A D P K T D L A V I Q V P A P V E A A W V D L L A D G N K V S G E V V G S D V Y S D A V V R S A D K A K A V A E F I K V Q L D N Q K Y D A K L G T D P S T D A V K I E E D E D Y J K L E C T T T T T T T T T
UniRef90_ UniRef90_	C3XG52 X1JEB4	
UniRef90_0 UniRef90_1 UniRef90_0	IOKFM9	I VIALQDGRKFTAEVVGSDPETDLAVVKVEANNIPSI
UniRef90_I UniRef90_I	R9PHZ9	
UniRef90_		
UniRef90_0 UniRef90_1 UniRef90_1	E2CP12	I K V S L Y D G R D V S A N P V W S N E G L D L S I I K V N E K N L T P V V R V A L N D R R E F D A E I I L K D E R T D L A V L K I K A D G P F V Q V T L A D G R S F K A E F M G S D A D T D V A L I R I K A D K L T E I
UniRef90_l UniRef90_l	R5RFJ2 UPI0003A00DA3	VQVVFSNKESVNATI VGSDTYSDI AVLKILTADFDMTALKC
UniRef90_l UniRef90_l UniRef90_		IVIQIVISILIA D.G.T.Q. <mark>C.</mark> D.G.F.IV VIG.S.D.P.IVIT DILIAIV VIRILIA S.T.S.KIL IK A.A.P.IL I
UniRef90_l UniRef90_2	1/01/01/0	VRVIFEDGRMYEAELIGSDKLTDIGVIKIENENLTPI SI IIVKLTDGREFKAKKLGADEQSDIALLKIEAKNIKAV IKVTLDDGTELPAKLIGHDAKNDLAVLMVKAGKPLPIJKW
UniRef90_l UniRef90_l UniRef90_l	UPI00042448DB R7HGD8	I KVTLDDGTELPAKLIGHDAKNDLAVLMVKAGKPLPIIKWVEVTLADGKTYKGRVIGTSFAYDISVLQVFAPLSAMFKVTYSDETTLDATLVGSDEYTDIAVLKVKTLNGLDAVELLKVAFLDSEVVDAAIKGTDAETDLAVIAVDTKSKIKVARL
UniRef90_'	V9R6W3 UPI00036F370F	V V V T F S D N K S V P A K I L G V D P Q T D L A V L K V E V N E K L P Y L D F V Q V T V Q G T E P Y E A K V L G K S Y E L D L A V L K I E G D D S F P S L P L
UniRef90_	UPI00046EB8F4 J4QSV6	I VVTLPDGRVANATĀI GSDPDTDLAVLKI NLPDLP I EVALTDGRRDTAKVVGADPDTDLAVLKLSTLRALPAATL
UniRef90_l UniRef90_l UniRef90_l	UPI00026CDC3E M4X5Z0	I TV T MVD R KEYVA KLI GROPTS DLALLKI DAKNLPFV
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UniRef90_l UniRef90_0	B9DQA2 G7QGE4	QNILYDDKQETNGKVIGKDKYSDIAVVK AKVKKNSNVIEVITSNGSUHPAKYIGSHERADIALLKUREGSGURAVVE
UniRef90_l UniRef90_l UniRef90_	E0RSE8 D3P7K0 S4G1H7	I ITI IRIL Y D D R T F P G T II V G R D E R K D L A L L L S F E A D S T I P V A V L I A V T L H D G T R L P A K L V G A D A P T D L A L L K V E S D R P L A A T H W I O V T L S N G O M Y S A T L V G A D K T T D L A V L K V L D N
UniRef90_UniRef90_I	Q5WAI6 R2SQX0	I EVALTOGTRVPATLVGHDELTDLAVLELDGENVTTVAEF LEVVMSDGTKVKGELMGTDAVTDLAVLKISSENVDEVATF
UniRef90_/ UniRef90_I	A5ETZ2 D8IGB4	
UniRef90_I UniRef90_I UniRef90_I		QV
UniRef90_/ UniRef90_\	A6EAU5 W5TVJ5	I EVILS DRRKVVAKVIGKDPNTDLALIKVEETGLP I QVSFSDGTQAPAKLVGRDTKTDLAVLKVDVKNLTVA
UniRef90_I UniRef90_0 UniRef90_0	Q6SI27	Y S V I II Q E G K D Y Q A IVIEIV I IR D S IVIN DIL IA FIL IKII IA A K DIL IPIVI VI VITLA D K R E Y A A E V I G V D Q W T DIL A L I K II N E E T L Q P A I FIL I I S D G S K A S A K V V G K D A V T DIL A V I K II T S N K V K D V A O F
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UniRef90_UPI00047CF0EA UniRef90_W2E5L3 UniRef90_UPI00034923E3	PTLPLADSDQLQVGDLVLAIGNPFGVGQTVTQGLVSALAR G SSGKSKVGEWVMSIGNPLGLTTGVISATNRTFAF PLGKTTDLTPGQWAIAIGNPLGLDNGIISALGRSAEV PTLPIGNSDAVEVGDLVLAIGNPFGVTSGIVSALARNQVV
UniRef90_B3PWV4 UniRef90_K6PRS2 UniRef90_A9A361 UniRef90_A7NK22	P T L P I G N S D A V E V G D L V L A I G N P F G V T S G I V S A L A R N Q V V R P A R L G D S D A L R V G E P V M A V G Y P F G L P T G V I S G L H R N L Q A H P L S I G D S S N L K V G E P L A A I G N P F G L T S G I V S Q L G R L L P S A P L P L A D S R T V E V G Q R A I A I G N P F G L R N G V V S G L G R S L N S T I S T E E Q Q S T G D V V M A I G N P F G V T M G I I S A T G R N Q
UniRef90_A0A031M7A1 UniRef90_J0YS57 UniRef90_G9ZZZ2	TISTEEQQSTGDVVMAIGNPFGVTMGIISATGR NQ SYVDFGDDSKLRVGDWVVAIGNPFGVTAGIVSAHGREI APG AEPRVGDVVIAVGNPFGVTSGIISAHGRDLGA RPLPVGTSYDLLVGQKVFAIGNPFGLDTGVISGLRREISS
UniRef90_A9TBD2 UniRef90_R7IZ71 UniRef90_G2E000	R PLPVGTSYDLL V GQKV FAI GNPF GLDTGV I SGLRREI SS PMGDSEKLKV GEWVLAV GNPF GFTSGI V SAKARNI SA GDS AKARV GDWVLAV GNPF GVNAGI I SARGRDI H S GDSNSLQPGETAI AI GSPLGVTAGV I SSVNRA F
UniRef90_D3LW68 UniRef90_C0QTF5 UniRef90_Q7VQR9	G D S N S L Q P G E T A I
UniRef90_X1DD59 UniRef90_X5A5Y6 UniRef90_H9UG08 UniRef90_S3FXP7	GD SSKLRVGDWVVAI GNSLGERNGI VSALGVSLSV GD SSKLQLGETVIAI GNPLGLTSGI VSATGRRAQQ GSSD DLRVGDWVLAI GNPLGVTRGI VSATGRRAQQ G KSSELKPGQTVIAI GNPLGVTRGI VSSTSRLVPV
UniRef90_UPI0004734B95 UniRef90_B5YA04 UniRef90_UPI00031CBE54	G D S A KI K V G D WAI A V G N P F G L E N G I I S N L N R N V N Q K F L S F R S T D T V K V G E F V V A I G N P L G L S H G V L S A K E R S I Q E G D S D A L E V G D L T L A I G N P F G V T Q G I V S A L A R T H V G
UniRef90_UPI000367AB92 UniRef90_I4VM54 UniRef90_F2QG65	GDS AKI KVGDWAI AVGNPFGLENGI I SNLNRNVNQ KFLSFRSTDTVKVGEFVVAI GNPLGLSHGVLSAKERSI QE GDSDALEVGDLTL AI GNPFGVTQGI VSALARTHVG SLTD APRVGDWVVAVGNPFGLTAGI VSAI GREMN GDS HTLKPGQWVLAI GSPFGVTQGI VSAVGRNLGA GDS SQLSVGETAI AI GSPFGVTQGI VSAVGRNLGA
UniRef90_U2U8E8 UniRef90_G9EKX6 UniRef90_L0WAZ7	PAVPLGDSDAVRVGDAVMAI GNPFGLASGI LSARARDI QA KPFEVVRLNDLI VGQKAI AI GNPFGLDHGVI SALGRQVPG GDGPV QVGDVVLAI GNPLGVGQGI VSATGRS
UniRef90_R5AI13 UniRef90_G0GCK1 UniRef90_UPI0004651D2E UniRef90_A0A021XAW5	GDSDMLTVGEDVI AIGNHLGELRGTATGGMI SALNREVNV GDSD TLEVGDWVLAVGNPYGFESGI VSALGRSPPG GDSD ALQVGDFVI AVGNPFGVTSGLVSALGRTGLV GDSDAVQVGDFVI AVGNPFGVTSGLVSALGRTGLV
UniRef90_UPI0003609A51 UniRef90_UPI00034CEF7B UniRef90_E8R1M3	GDSDAVQVGDL VLAIGNPFGVTSGIVSALARNQVR PTIQFADSDELEVGDLVLAIGDPFGVTQGIVSALART Q LGRSANVSVGEWVLAVGNPFNLTSGIVSAKGREISL GDSDSLD VGDWVLAVGSPFSVSAGIVSATRRSPML
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UniRef90_X1JEB4 UniRef90_Q07XR5 UniRef90_I0KFM9 UniRef90_C4UMQ6	I G D V V F A I G N P E G V I M G I V S A I K R Q E M G L P F A E S S R Y A V G D V V F A I G N P F G V G E S V T Q G I I S A L N K G D S D Q L A V G D W V V A I G N A L G E T H G I V S R L N V S V A V G D V V L A I G N P Y N I G Q T I T Q G L S A T G R N T L G D S D G L K L G E W V L A V G Y P S T V T A G I V S A K G R G I G I K A I P I A D S D N L R V G D F A V A V G N P F G L T S G I I S A L G R S G L N D L K L A D S D E L R V G D F T V A I G N P F G V T S G L V S A L G R S G G G D S D S V T V G G F M A V G N P L G M O S S V T A G M L G A V N R F L T G
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UniRef90_C0E9Y8 UniRef90_C6Q0Q6 UniRef90_E2CP12	GNSD QVQVGERVVAI GNPGGVSQGI VSGLNRTLKM QLGDSSKVRI GETAI AI GNPLGVTSGI I SAI NRTLEA DSVPFAETDSLEVGDLVLAI GNPFGVTQGI VSALART Q RLGDSSKLRVGDFVVAI GNPFGVTSGI VSAMGRNGLR
UniRef90_K8ZJA7 UniRef90_R5RFJ2 UniRef90_UPI0003A00DA3 UniRef90_UPI0004661BB8	RLGDSSKLRVGDFVVAI GNPFGVTSGIVSAMGRNGIR GDSSLLDQ GETVLAI GSPLGVTQGIVSGIDRTVSV GDSTKLRRGEMVLAIGN ALGLGDSLSYGIISKTLQVVPV
UniRef90_A5GVF9 UniRef90_S5DPN6 UniRef90_K6YGU2	R L G D S S K L R V G D F V V A I G N P F G V T S G I V S A M G R N G I R G D S S L L D Q G E T V L A I G S P L G V T Q G I V S G I D R T V S V G D S T K L R R G E M V L A I G N A L G L G D S L S Y G L I S K T L Q V V P V A I A S L G N S D T L K V G Q G V V A I G N A L G V T V G Y I S A L D R A V Q T G D S D A L E P G D W A I A L G H P Y G L D S T V T L G I V S S L H R N I S S G N S E G V F V G D L A V A I G H P L L G A A P T V T T G V I S A L D R R L D V P L A N S D K L R V G D F V V A I G N P F G V T S G I V S A M G R S G L N G D S D K R P I D I G R S S D L Q V G Q G V M A I G N P F G V T A G I V S A R G R D L H S R P I P I G R S S D L Q V G Q G V M A I G N P F G V T R G I I S G K E R E I T S G N S D E L K V G Q G V I A I G N A L G V T V G Y V S A L N R E V R V G D S D T T M V G D W V V A I G N P F G L G G S A S I G I I S A R A R D L N I G N S D N T Q V G E W L V A I G N P Q G F D H G V L S A K G R D L T I L D F A N S D T I R T G D V A L A I G N P P F S V T M G I V S A V G R A S
UniRef90_X5PLR1 UniRef90_UPI00042448DB UniRef90_R7HGD8	GDSDK LMPGDQVLAFGNPFGVTAGIVSARGRDLHS RPIPIGRSSDLQVGQGVMAIGNPFGLDHGVISALGREIGT SDS NNIKAGDTVFALGSPFTVTRGLISGKEREITS
UniRef90_R7PQA3 UniRef90_V9R6W3 UniRef90_UPI00036F370F UniRef90_UPI00046EB8F4	GNSD ELKVGQGVIALGNALGVTVGYVSALNREVRV GDSDTTMVGDWVV ALGNPFGLGGSASLGIISARARDLNI GNSD NTQVGEWLVALGNPQGFDHGVLSAKERDITL
UniRef90_J4QSV6 UniRef90_L0A8T1 UniRef90_UPI00026CDC3E	APDR GLRVGDVVLAI GNPFGVGQTTTQGLVSALNG DPMELGDSDQVKVGQKAI AL GAPFGVTQGI I SAKNRVI PT KFGDSDAARVGDWVLAI GNPFGI GGTVTAGI VSSI HV
UniRef90_M4X5Z0 UniRef90_K2B5E6 UniRef90_E8WZT1	I G N S D NI Q V G E C V A A I G S P F G F D S G I V S A I N R T L P L G N S D L L H V G D F V A A I G N P F G V T S G I I S A L Q R N N T L S D S G G L V V G Q K V Y A L G N P F G L S G T M T S L G T S G T Q
UniRef90_G0PZ17 UniRef90_UPI000380B7D5 UniRef90_UPI000369F7DE	G N S D
UniRef90_B9DQA2 UniRef90_G7QGE4 UniRef90_E0RSE8 UniRef90_D3P7K0	GDSD RIEVGDWAI AI GSPFGLERSFSVGV VSAKY GDS STLHVGDWVLAI GNPFGVTAGI VSALGR RG GDSESVE VGDWVVAI GNPFGVTAGI LSARARDI QQ
UniRef90_S4G1H7 UniRef90_Q5WAI6 UniRef90_R2SQX0	KTAGFANSDALAVGEPVMAIGNPLGYDTGIVSALNRPVSVGNSD ELSVGEPAIALGNPLGVTQGIISATERSIPV GDSSALKVGEPAIALGSLGSQYANSVTSGIISSVNRPLSD LPLADSDKVRVGDYALALGNPFGVTMGIVSALGRSGLN
UniRef90_A5ETZ2 UniRef90_D8IGB4 UniRef90_UPI00036419FA	GN SNDIAAGQDVIAIGSPMGVTKGIISATKRTVKAGDS SAINIGDWVVAIGNPHGFDVGVLSAKERPINI
UniRef90_K0DBT5 UniRef90_K0K2F7 UniRef90_A6EAU5 UniRef90_W5TV I5	G N S N D I A A G Q D V I A I G N P F G V I M G I V S A L G R S G I N G N S N D I A A G Q D V I A I G S P M G V I K G I I S A T K R T V K A G D S S A I N I G D W V V A I G N P H G F D V G V L S A K E R P I N I G D S N K I Q V G Q K V L A I G S P L G V T Q G I I S A K K R L V E A S A T P I T G S A E A P I G A R V C A G S A L Q G W Q C G T L Q A K N Q T V H H V K M G N S D N V Q I G E W V L A V G F P T T V T A G I V S A K A R S I G I V K M G N S D N V Q V G D D V L A I G S P L G L N S G I V S A L H R A I Q G L E L G A S A D I K V G E T V V A I G N A L G V T S G I I S G L D R S L S A P W G D S S G L K V A E W V L A I G N P F Q L N Q T V T L G I V S A V G R G D S D N I N V G E I A I G S P I S V T Q G I I S A K K R T I D V
UniRef90_W5TVJ5 UniRef90_K2A7N7 UniRef90_Q6SI27 UniRef90_C0XIM5	ELGKSSDVQVGDDVLAI GSPLGLNSGI VSALHRAI QG LELGASADI KVGETVVAI GNALGVTSGI I SGLDRSLSA PWGDSSGLKVAEWVLAI GNPFQLNQTVTLGI VSAVGR GDSD NI KVAEPVLAI GSPTSVTQGI I SAKKREVPS
UniRef90_R6SCM9	GNSDN NVGELAI GSPL GSEYATSLTQGI I SAKKRTI DV

	130		140	150 160
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UniRef90_B3PWV4	RNEFGF FIQTDA	ASIIN P	GNSGGA	L M N M G E L I GII N T A I S R
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UniRef90_A7NK22	<u>G</u> G <u>R</u> FR <u>I</u> PN <u>I</u> IQTD <i>A</i>	A A II N P	GNSGGP	L L N Y G E IV I IGIV N T A II IS G
UniRef90_A0A031M7A1 UniRef90_J0YS57	GADVYDDFIQIDA		Q G N S G G A	T F D N G K \
UniRef90_G9ZZZ2	GP YDDFILIQTDA	AAINP	G N S G G P I	L F D S G N V V G V N T A I S P
UniRef90_A9TBD2 UniRef90_R7IZ71	TTG RSTGY QTDA	A A I V IIV C	1 G N S G G A I	LVINAGQILVIGII IN I AII IS Q
UniRef90_G2E000 UniRef90_D3LW68	G P Y D D Y L Q I D A	A A II IN R	RGNSGGP	L F D T G R V I G V N T A I S P L V D A G K V I G I N S A K I A
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UniRef90_Q7VQR9 UniRef90_X1DD59	LEG LENFIQTDA SSGQTLYDLVQTDA	A S I N R A A I N P	R G N S G G A P G N S G G P	L V N N G E L I G I N T A I A P L V N A G E V I G I T S V K I A
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UniRef90_H9UG08 UniRef90_S3FXP7	A G A G L L T D F I Q T D A G Q A D F N A E V I Q T D A	A A I IN P		L V N Q G E V V G I N I V G G Q L I N S G Q L I G I N S M K I A
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UniRef90_L0WAZ7	LG T F E N F I Q T D A	A A I IN R	RGNSGGA	L
UniRef90_R5AI13 UniRef90_G0GCK1	QGTEMA L QHDA TQLGEFTDYI QTDA KQG YEDFI QTDA	A A I I N P	G S S G G G G N S G G A	L V N D A E V I G I N A <u>II A</u> S Q
UniRef90_UPI0004651D2E UniRef90_A0A021XAW5	KQG YEDFIQTDA SGDFGF FIQTDA	A A I I N P	GNSGGG GNSGGG	L I N K G E L V G I N T A I S P L I N N G E L I G I N T A I S R
UniRef90_UPI0003609A51	V G	A A II IN P	GNSGGA	L V N M G H L V G I N T A I S R
UniRef90_UPI00034CEF7B UniRef90_E8R1M3	TKGAFLESFIQTDA QQEEIYQDFIQTDA	A A I N P	GNSGGA GNSGGP	L V N N G E L I G I N T A I S Q L V N K G E V V G I N T A I S E
UniRef90_F8DFV6	NGQNISTRALQTDA	A A I I N P	GNSGGP	L I N Q G Q V I G I T S S K N G
UniRef90_B5JNU7 UniRef90_C3XG52	NGFG <u>IY</u> EN <u>F</u> IQTD <i>A</i>	ASIIN P	GNSGGA	L V D T G R L I G I N T L I Q T L I D S R G A I G M N T A I S R
UniRef90_X1JEB4 UniRef90_Q07XR5	S G N T <u>L R G L </u>	APIINP	GNSGGP	L V N S G E V V G I T S V K V A L I D T G E L I G I N T A A G G
UniRef90_I0KFM9	LSDTPIESFIQTDA	A A I N P	GNSGGA	L V N R G E L V G I N S A I S A
UniRef90_C4UMQ6 UniRef90_R9PHZ9	LEG LENFIQTDA LNIENLENFIQTDA	ASIINR AAINS		L
UniRef90_R5PM85	SDGKKYK ILIQTDA	A A I N S	GNSGGA	L V S K G Q V I G I N T L K I A
UniRef90_UPI00037302CF UniRef90_C0E9Y8	DYGNPYLELIQTDA SSG LNMNLIQTDA	AAINP	G N S G G A G N S G G A	L
UniRef90_C6Q0Q6 UniRef90_E2CP12	SEGTFMEDLI QTDA VGVTDYQFFI QTDA	ASINP	9 G N S G G P I	I IS N N G F IV I IA II IN S A K II IT
UniRef90_K8ZJA7	GLG YQNFIQTDA	ASIIN P	GNSGGA	L V D H G E L V G I N T A S G S
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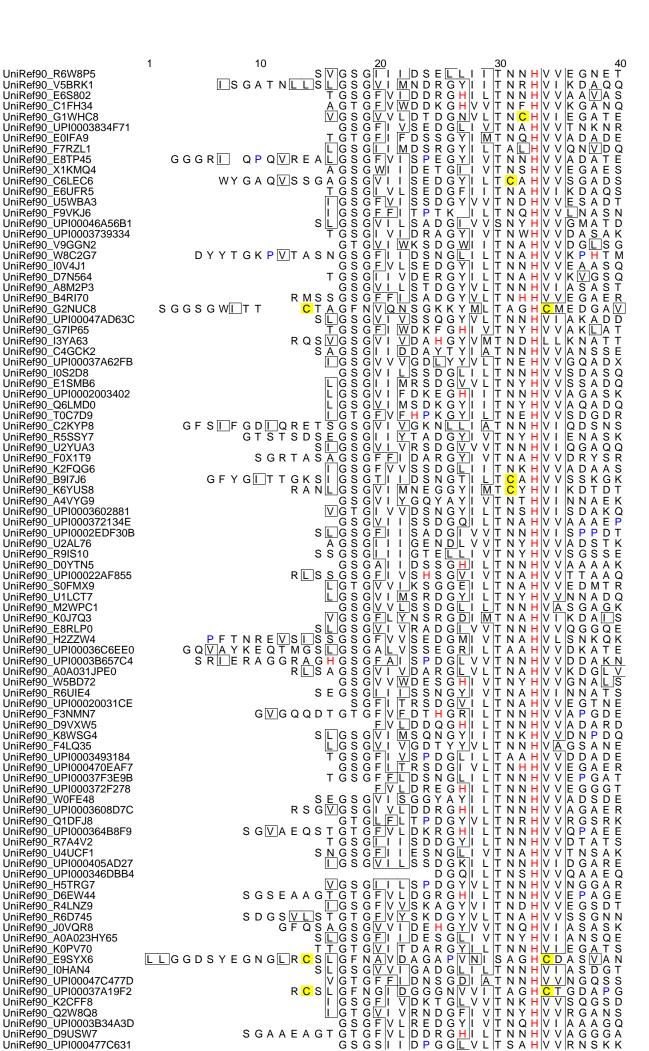
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UJENERS D. UPPOD04230AFD D. RESPONDED D. PROMO 150 P. P. P. N. P. G. N. S. G. D. P. T. P. N. G. O. V. N. T. R. T. S. P. D. RESPONDED D. PROMO 150 P. T. P. N. G. D. V. D. F. L. G. D. D. A. P. V. N. P. G. N. S. G. D. P. T. P. N. G. G. V. V. D. F. L. G. D. D. A. P. V. N. P. G. N. S. G. D. P. T. P. N. G. G. V. V. D. F. L. S. P. D. D. F. L. G. D. D. A. P. V. N. P. G. N. S. G. D. P. T. P. N. G. G. G. P. L. T. N. S. G. G. P. L. T. N. P. G. N. S. G. D. P. T. P. N. G. G. G. P. L. T. N. P. G. N. S. G. D. P. T. P. N. G. G. G. P. L. T. N. P. G. N. S. G. P. L. T. N. P. G. N. S. G. G. P. L. V. D. G. R. V. V. G. I. N. T. A. I. S. P. P. G. N. P. G. N. S. G. G. P. L. V. D. G. R. V. V. G. I. N. T. A. I. S. P. P. G. N. P. G. N. S. G. G. P. L. V. D. G. G. R. V. V. G. I. N. T. A. I. S. P. P. G. N. S. G. G. P. L. V. D. G. R. V. V. G. I. N. T. A. I. S. P. G. N. P. G. N. S. G. G. P. L. V. D. G. R. V. V. G. I. N. T. A. G. S. M. P. G. N. S. G. G. P. L. V. D. G. R. V. V. G. I. N. T. A. I. S. P. G. N. P. G. N. S. G. G. P. L. V. D. G. R. V. V. G. I. N. T. A. G. S. M. P. G. N. S. G. G. P. L. V. D. G. R. V. V. G. I. N. T. A. I. S. P. G. N. S. G. G. P. L. V. D. G. R. V. V. G. I. N. T. A. I. S. P. G. N. P. G. N. S. G. G. P. L. T. N. P. G. N. S. G. G. P. L. T. N. P. G. N. S. G. G. P. L. T. N. P. G. N. S. G. G. P. L. T. N. P. G. N. S. G. G. P. L. T. N. P. G. N. S. G. G. P. L. T. N. P. G. N. S. G. P. L. T. N. P. G. N. S. G. G. P. L. T. N. P. G. N. S. G. G.
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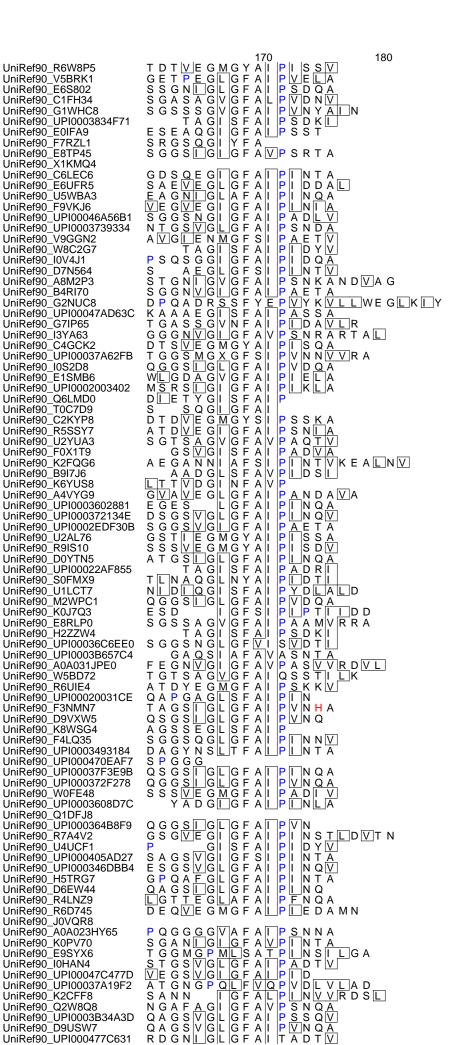
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UniRef90_U5WBA3	L V V S M G
UniRef90_F9VKJ6 UniRef90_UPI00046A56B1	I A V T D Y E G N E Y Q A Q L V G S Y E T G D I A V I K I D A Q G L Q A A T L I S V V L Q D D L T Y T A V N V G K D S Q T D L A V L K I D R N D L V K A L S V S F S D G S T A S A T V V G R D P E S D L A V I K V A K D D M T A V V N I I L H D G Q K V T A K V I N T D K V N D I A L L E V T T P G F E S S T V L I R V V L T D R R E F T A R V L L G D E E S D L A I L K I D T P E P L P F L P L I T A V F T D G N R V D A K L V G T D P K T D L A V I K V E V N N P T V M Q F I T V V T S D G K S Y K A R A V H S D P K S D I A L V K I N A K S L K P A K F A V V Q V V B D G R T F P G R V V E D L D D C T S D I A T V K I N A K S L K P A K F A V C V V B D D C R S D I A T V K I N A K S L K P A K F A V C V V B D D C R S D I A T V K I N A K S L K P A K F A V C V V B D D C R S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A K F A V C V S D I A T V K I N A K S L K P A V C V S D I A T V K I N A K S L K P A V C V S D I A T V K I N A K S L K P A V C V S D I A T V K I N A K S L K P A V C V S D I A T V K I N A K S L K P A V C V S D I A T V K I N A K S L K P A V C V S D I A T V K I N A K S L K P A V C V S D I A T V K I N A K S L K P A V C V S D I A T V K I N A K S L K P A V C V S D I A T V K I N A K S L K P A V C V S D I A T V C V S D I A T V C T A T V C T T T T T T T T T T T T T T T T T
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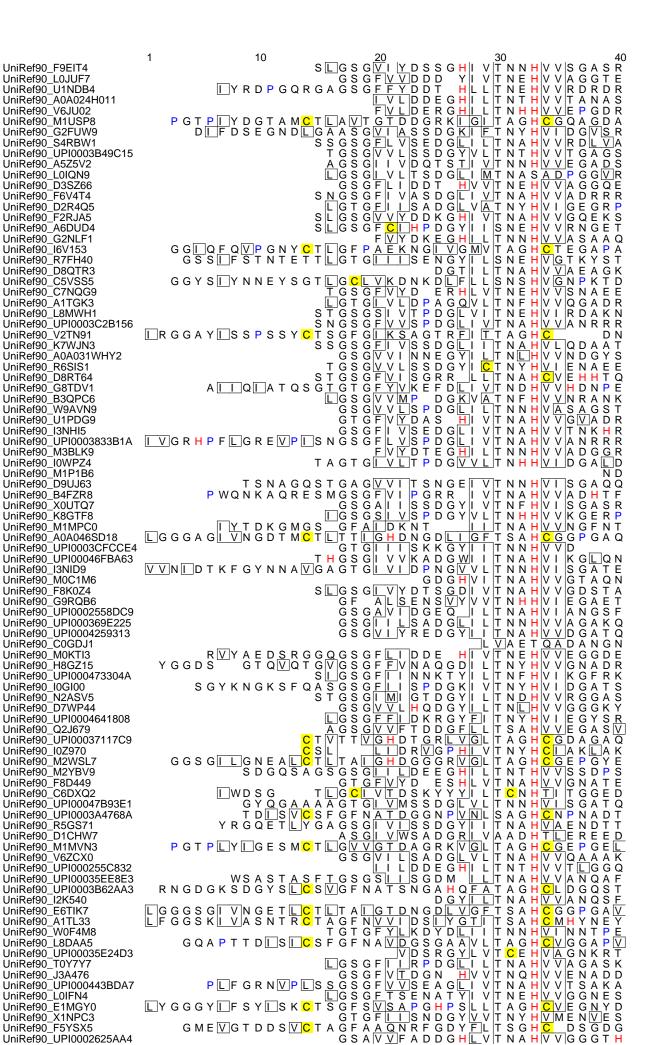
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UniRef90_H5XR87 UniRef90_S4MK82	GSAVVÝADDGYLLÍTNAHVVGRĀRH DSSAGSATGSGVITTSGGEVVTNNHVVSGASQ
UniRef90_I2GBE0 UniRef90_P83105	A G T G F L L T A D G Y F I T S N H I V Q E A D S G S G F I V S E D G L I L T N A H V V R N Q Q W
UniRef90_D2QZF1	S T G T G F IL I IS E A G Y IV IM T N N H IV I IE G E G K
UniRef90_I0HG12 UniRef90_T1VSQ7	I I R S D G Y I L T N N H V L S V A A E G S G V I L S S D G L I L T N N H V G A Q G A Q
UniRef90_UPI00031B18D8 UniRef90_UPI00031BC709	FIVIY D K F G HILL IT N N HIV VIA N G S F
UniRef90_F4FAE6	G S G S I V D A S G L I L T N A H V V G E E R V T G S G F A V D S E Q H I I T N D H I L A K G G P D G G C G S G V L I D P E G Y A L T N F H V V Q P T G P
UniRef90_UPI00016C42CB UniRef90_UPI00036E89B7	S T G S G F S D R G Y A V T S L H V V K G A E E
UniRef90_L8TQX4 UniRef90_U1NIB9	LGSGVVYSEDGLVLTNEHVIRGNTR NDNHVITNAHVVGEATT
UniRef90_UPI0003685C68 UniRef90_J9C1A0	F [Y D K Q G H [L T N N H V V A G G G K
UniRef90_M0L4S5	D D H V V T N A H V V R D A D D
UniRef90_M4K909	G S G S F T N D G M I L T N N H V V G G G A K

	50 60 70 90
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UniRef90_W1NQM7	DSEGILORCKIVIEEGKILLIGEDAAYDILAVLIKIVID IVIDGDEILL
UniRef90_J2DIK0	TTVTLTNKEEYPAKLIGRDAATDLAVLKIEPKKPLPFVKF VKVQTHDGETYDADVVGFDKRTDIGVLRIKVTGL KAAEF
UniRef90_R6NI28 UniRef90_UPI00047579EE	
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UniRef90_A1SFZ1 UniRef90_C0XQ63	I QI VDQDGNRYPATVVGRSPVYDLAVLYSPKAKGLTPAALVAVTLNDGTTHPATYVASDVNTDVGVLKIEGVENLPVIRF
UniRef90_E0TCS6	I TVTLENGAEYKAVPRGVDLETDLAVLQIEGGARFPYVEF
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UniRef90_E0RGU4 UniRef90_D3VDG7	II I VIAII IO D G H E V E AII I VIG S D G P T DII IAIVI IKII IN A T NII IPIVI IPII IN
UniRef90_UPI00021957DD	
UniRef90_A6WC12 UniRef90_UPI0002E30DF6	II IQIVIDIVIP GKI PETARIVI IGI DYII ISDII IAAII IKII ISAPKPII IPI II IQII I
UniRef90_J2K2U3	<u> </u>
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UniRef90_W5W016	ILIEIVIDESNGKKAAAIVI LIGRDPTTDIVIAIVI IKAQNIVISGII ITTAQII I
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UniRef90_X8CNP5 UniRef90_R5SAU6	- V
UniRef90_A4YXM2 UniRef90_UPI000382647B	IVISIVIKII IT T G R F M P G F IV I IR S H K A R DIVIAII I IKIVIN F S A M A A II IP
UniRef90_V6DHH8	I L V Q N N K G Q E F K A S I AL I D N D K D L A I L K I N D E D Y K P L T S L I F V P S A G K R Y E V D I I G V D P E R D L A L L K I K D S E I L K I K D F V K V E L K N G A T Y E A K I K D V D E K A D I A L I K I D S Q R L R I G R T Y
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UniRef90_D9WXS9	LKVTTNDGKSYTAKVVGTDSKKDLALIKLENASGMKAATL
UniRef90_D5PFA5	TTVTFADGRTAPFTVVGTDPTSDIAVIRVQGVSGLTPLSL
UniRef90_A0A010DHJ0 UniRef90_D6BC13	LSATFSNGKKYVAEVVGRAEGYDVAVLKLRNSDGPAPLPL
UniRef90_D7VH86	LSATFSNGKKYVAEWVGRAEGYDVAVLKLRNSDGPAPLPLIHLQNNKGDSFRASVIYTDAAKDLAILHINDSNFRKLKSIVIVRNVLGKKTTGRVIGISDKYDIALIQVDDYALTVVFADGDHVPAHVVAENIGADLAVIRVDGYKLPPPLQF
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UniRef90_S4MK82 UniRef90_I2GBE0	IKVTTSDGKSYSAKVVGTDSKKDLALIKLENASGLKAATLIYVQSQKGEVYKARVVHSDKEHDLAILQLREDSAFQPPTVIEVVLQNGARYEAVVKDLDLKLDLAVIKIESNAELPVLML
UniRef90_P83105	I E V V L Q N G A R Y E A V V K D L D L K L D L A V I K I E S N A E L P V L M L
UniRef90_D2QZF1 UniRef90_I0HG12	V V V RI P G Q P P V P A E V I A R D E M R D M A L L K L T P E G A N L V G V L F N D G R G V P A T I V G R D P K S D L A V I K V E G E S D L P V I A F
UniRef90_T1VSQ7	LRVAFSDGTKASATLVGADPVSDIAVIKVDGRNDLTPLDL
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UniRef90_L8TQX4	VEVAFADGQRVEGTVRATDPVTDLALVQADRTGLPKPVYQ
UniRef90_U1NIB9 UniRef90_UPI0003685C68	V G V L F N D G R G V P A T I V G R D P K S D L A V I K V E G E S D L P V I A F L R V A F S D G T K A S A T L V G A D P V S D I A V I K V D G R N D L T P I D L L S A T F S D G K K Y T A E V V G E A Q G Y D I A V L K L H G T G D R K L V T V R L A D G R S F E G D V V G Y G Q D R D L A A V R L R G N P T G L V T V E L P D G R R F G A E V V G R E P G S D L A V L K V P K E K G K P V Q L I K L Q F L Q G G T L K A H M I L S D P K L D I A V L A V A P E N L I P V E V A F A D G Q R V E G T V R A T D P V T D L A L V Q A D R T G L P K P V Y Q A D V R F S Q G E W R T G S V V G S D P H S D L A A I A V D S P P E S V L T A T F S N G K K Y D A E V V G N A Q G Y D V A V I K L K N A S G A P L T L Q D G T S H E A V L V G F D P D T D L A L L R I H A H D L P T I A V E L Q F T D E Q W R T A T V L G T D E Y S D L A V L E V D D F P D V V D G L M Q V I T A D G R V L P A K F L A A D P Q T D I A V I K A E G A D N L Q P M A M
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J (0100_IVITI\000	QIV A D O KIV A K I I A A D I Q I DII IAIV I IK A E O A D RIELQ F W A W

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UniRef90_UPI00047579EE UniRef90_K3ZIK2 UniRef90_A1SFZ1	GSSSRLQPGDWVVALG CPLSLQNTVTAGIVSCVDRSSDL GASQ ELRVGEGVVAI GSPLGLSSGIVSALHRPVTT
UniRef90_C0XQ63 UniRef90_E0TCS6 UniRef90_F5Z2J3	G D
UniRef90_UPI000363B07B UniRef90_D8TNN1 UniRef90_V6JU15	LRNGEPGVGEDVYALGSPLGDAFNTTLTRGI QPVTLGSSAGLLVGQRVFALGNPLGLTSGIVSGLNRELST KAATEGDSEKVEVGOLVLAMGSPLGUSSGLVSATGRTVSG
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UniRef90_UPI003755E47	GSSE NLAVGQEVVAVGSPLGLQSGIVSALNRPVST VSSDKT ALVGEQVIAIGTPVSLTVGIISGLNRA
UniRef90_S3ANB1 UniRef90_Q176F7 UniRef90_UPI00037BA867	MKLGKSSDLRSGEWVVALGSPLSLNNTVTAGVVSSTQL GDSD QLVVGQEVVAVGAPLGVTSGIVSALERPVRA
UniRef90_M5X1A6 UniRef90_R7Y0T9 UniRef90_V9IRD8	G KSANLAVGQEVVAVGSPFGVTSGIVSALDRPVNA FADSSELEVGETVVAIGTPNSVSVGVVSGMDRSLHS
UniRef90_C6D4T2 UniRef90_M3F9N2 UniRef90_UPI0003828CEE	EMEPVD I GTPVVAI GSPNSNTATTGEVTDTDLDF GNSD NVRVGDPVVAI GAPFTVTAGI I SAKDRPLTA
UniRef90_UPI00032B05F7 UniRef90_N0DXP4 UniRef90_H6LKH5	Q S A D L R P G E F V V A V G S P F A L Q N T V T T G I V S S A Q R L P V G D S S K V V V G D E V I A V G A P L G L E S G I V S A L D R P V A A L E L G D S D N V V V G E L A V A V G N P M G L N A G I V S A L N R S I P L
UniRef90_UPI00036A1E77 UniRef90_A0A031JSG3 UniRef90_UPI00035FC591	A N S D L V K V G D V C F A M G S P A G L T Q S V T R G
UniRef90_H1Y7L6 UniRef90_E0RGU4 UniRef90_D3VDG7	PYGFKRTKSDL GEDVYTVGYPGDDFTYVPGNLSAATGF ASTNSLQVGEQVVALGTPLSFSRNSATSGVVSGLNRGVNA PDR VPHVGDLVLALGNPYTLTQGLISATGRVGLS
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UniRef90_J2K2U3 UniRef90_UPl00035F3C04 UniRef90_Q9SEL7	GDSDKIAVGDQVVAIG SPEGLTGSVTSGIVSALNRDVTV GDADKLKVGQLVVAVGN PMGLAGSVTAGVISALGRSLPT NPVVLGTSNDLBVGQSCFALGNPYGYSGLGRELPS
UniRef90_R6YIN7 UniRef90_B9XRC3 UniRef90_UPI0000E0E5CA	KTĀDI GDSTKI KVĢĒQALAI GNATSVTVĢÝVSAKDREINS SKVLLGDSDALAVĢESVFAI GSPLGLERTVTEGI VSTKTR
UniRef90_UPI00002023CA UniRef90_UPI0003A8C81D UniRef90_ATH8S5	DYCKIGDSDDVKVGEWAIALGNPRNLISGIVSAINASLDS
UniRef90_UPI0003B46E11 UniRef90_I2B4N1 UniRef90_I7GGA6	G D S S K Q E V G D I V L A M G N P L G L A S S V T N G I I S A T G R T V T E A D S D S L R V G D F A I G D S R S L V E G E P V V A L G N Y G S N A P L T R E V G T V T A F G R T V N T G A S S V K K V G E K V V A I G A P L S F T V G V V S G S G R V V D A G D S D K V G E K V V A I G A P L S F T V G V V S G S G R V V D A G D S D S C C C C C C C C C C C C C C C C
UNIRe190_UP100036D94ZA	GASSV KVGEKVVAIGAPLSFTVGVVSGSGRVVDA GDSD EAIVGDEVIALGAPLGVTQGIISALERPVSP ADS SQLAVGQIVLAMGNPLGVTEGIVSAVDRTVET
UniRef90_Q09BV8 UniRef90_W5W016 UniRef90_UPI000360EDD8	S QLAVGQIVLAMGNPLGVIEGIVSAVDRIVEISS SASRVEVADRIVEISS SASRVEVADWIVVIGNPFGVTVGVVSYKGRTVTPGRSD DLQIGQQVVAIGSPFTVTTGIVSSLHRPVNVTPLPLGDSDKVDVGDQTIAIGSPFGVTTGIVSAKNRPVAS
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UniRef90_V6DHH8 UniRef90_G5AKG0 UniRef90_A0A024YMH3	S Y F E L G D S D L I E K A E K V I A L G Y P L G Q Q G L K S T K G V V S G G F A R A T G S S E L R P G E F V V A I G S P F S L Q N T V T T G I V S T T Q R G D S G S V R V G D Q V V A I G S P D G V T S G I V S A L N R E V D T
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UniRef90_D6BC13 UniRef90_D7VH86 UniRef90_UPl00030A9B93	GNSDKVAVGDSTIAIG APFGLSNTVTTGIISAKNRPVAS PYTFKSRSSDL GEDIYTIGFPRDEAVYGQGYLSSATGY QTSLETEANVTDLGSEVIALGSPQGLENGYLTGLDRS F
UniRef90_E6PFP8 UniRef90_H5XR87 UniRef90_S4MK82	ANFDRVEQ GQWAI AI GEPLEL QQGIVSAFNRNEPI GDAD ELMVGQLVVAVGSPLGVTAGVVSALGRAIPV GDS SGLQVGDQVVAIGSPEGVTSGIISALDRDVTV
UniRef90_I2GBE0 UniRef90_P83105 UniRef90_D2QZF1	PYSFDGRSSEL GERVETLGYPREELVYGEGYLSSGTGYGERVALGSPFSLQNTATAGLVSTKQRTPVALVDSSVGR GASVAAFGFPLGDALLGTGKFTTGFVST
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UniRef90_U1NIB9 UniRef90_UPI0003685C68 UniRef90_J9C1A0	A D S D K V K A G D W S L A M G N L A M D F T P T V T Y G I V S G V N R Y Q P P L Q L G Q S S G V H V G E A M V A I G Y G E D V G L S V V P T T I T R T T L P K V G E G A V V L G S P L G F E N T A T A G I I S G L H R S I P G S P I P F I D T P A T I G Q E V V A I G N P F T V T S G I V S G V N R S I P A N P L P L G K S G S V Q V G D A T I A I G A P F G V T T G I I S A K D R P V A S F G D S K E L R V G Q V A L A I G N P F T V T A G I I S A L G R H G S L A D E R P A V G Q E V V A L G N P L G L D A G I V S G V D R S L P S G D S N A I N V G E T V A A I G S P L G L N S G I V S A K D R P V Q A
UniRef90_M0L4S5 UniRef90_M4K909	S L A D E R P A V G Q E V V A L G N P L G L D A G I V S G V D R S L P S G D S N A L N V G E T V A A I G S P L G L N S G I V S A K D R P V Q A

	130	140	150 160
UniRef90_M0QER6 UniRef90_R7WLC2	G G G V T V Y N G L Q T D T P I S G Q G T V I D A I Q T D A A I		L V N N G Q V V G V N S A A S G L V D A G R V I G I N T A M S D
UniRef90_UPI00046EC93C UniRef90_W1NQM7	ENIGTITNAIQTDAAI PSGRPIRGAIQTDAAI	N P G N S G G P	L V N G G E F I I G V N S A A A S
UniRef90_J2DIK0	GTGGTYDKFIQTDASI ELGYTMKC IQHSAAI	NQGNSGGP	<u>M F D R G N V I G I N S Q I S P</u>
UniRef90_R6NI28 UniRef90_UPI00047579EE	G <u>D</u> NG <u>N</u> RQTAIQTDAAI	N P G N S G G P	LVNAGQVVGVNTAIAT
UniRef90_K3ZIK2 UniRef90_A1SFZ1	GLGGLRREYLQTD <mark>C</mark> A GDDSSYLN <u>A</u> VQTDAA	NPGNSGGP	L V N R G Q V V G V N S A I A T
UniRef90_C0XQ63 UniRef90_E0TCS6	AQGGESSLIQTDAAI G LYDDFLQTDAAI	N Q G N S G G P	L V D N G N L V G M N S V I A G L F N R G E V V G V N S I I S Q
UniRef90_F5Z2J3 UniRef90_UPI000363B07B	A D G R S V Y D V I Q T D C A I S G V R M V R D F L Q S D V A I	NPGNSGGP	L V N D G H V I G V N T M G I A
UniRef90_D8TNN1 UniRef90_V6JU15	G TVTI K GL V Q T D A A I G T G A T I A N M V Q T S A A I	NPGNSGGV	L L S A G R V I G I N T A I A D
UniRef90_UPI00036487BC UniRef90_M5UQL4	G G D I S Y V D A L Q T D A P I G E E R I L Q D F F Q T D A A I	NPGNSGGP	L V S K A R V I G I N S A I G A
UniRef90_Q9LA06	NGQTT <u>N</u> I NAI QTDAAI	NPGNSGGA	L I N E G Q V I G I T Q S K I G
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UniRef90_S3ANB1 UniRef90_Q176F7	GETAVYANLIQVDAAI GLRGKDINYIQTDAAI	N P G N S G G A T F G N S G G P	L V N D G E A I G I N S M K V T
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UniRef90_R7Y0T9 UniRef90_V9IRD8	G G N S T T Y P A I Q T D A A I	N	L VINKGEIVVIGII INSILIKILIS
UniRef90_C6D4T2 UniRef90_M3F9N2	Y Y R L L Q T D A A S D Q F E Y <u>T</u> N L <u>Y</u> E M S A E	AQGSSGGP	L
UniRef90_UPI0003828CEE UniRef90_UPI00032B05F7	G G D A A Y V D A L Q T D A P I	N P G N S G G P	L L D A G R V V G I N S A G D G
UniRef90_N0DXP4 UniRef90_H6LKH5	G S D T S F [N A I Q T D A A I	NPGNSGGP	L
UniRef90_UPI00036A1E77 UniRef90_A0A031JSG3	ENG LAEDLIQTDAS LDGENVGELVRWDAV PSEGGPR YVQTDAP	F P G N S G G P N P G N S G G P	L V D N G G L I G I N E V G I G L I N R G E A I G V N S A I I P
UniRef90_UPI00035FC591 UniRef90_H1Y7L6	S G PYVDYLQTDAVI NGDTLNY RISLPY	N R G N S G G P	I IY N T G DIV I IAIVIN S AII IS P
UniRef90_E0RGU4	A YRLIQSDTAI	N P G N S G G P	LVNKGEVIGINTMKFS
UniRef90_D3VDG7 UniRef90_UPI00021957DD	PTRRQY FLQTDAS SETNNHTSVIQTDAAI	IN Q G N S G G A I	L V N T G E L V G I N T K S E F L I N S G Q V I G I A S S K I T
UniRef90_A6WC12 UniRef90_UPI0002E30DF6	SPGATLPGTI QTSAAI	N P G N S G G P	L L N K G Q V V G I N T A V S T
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UniRef90_UPI0003B46E11 UniRef90_I2B4N1	PAGATILIT DCILIOTSADII	INPGNSGGA	I VINID N OIVI GILIP I II IA AIVI
UniRef90_I7GGA6 UniRef90_X4ZS54	GTKDELTGLIEFAAP S YRLLQSDAAI	V R A G D S G G P	L L N N G E L I GI N T V V D G G Q V V G V T T A A S V L V D N G K V I G I V S M K Y S
UniRef90_UPI0003785176 UniRef90_UPI00036D942A	D G G D T Q F F A I Q T D A A I S P G T T I T R M I Q T S A A I	INPGNSGGP	L V D R G R V I G V N S M N Y S L V D T G K V V G I P T L A A G
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UniRef90_UPI000360EDD8 UniRef90_UPI0003B5DEC5	G S E Q T V L D A I Q T D A S I G D Q E S Y M N A L Q T D A S I A Q G Q I Y L N V I Q T D A A I	N P G N S G G P	L L S N G N V I G I N S A G G S
UniRef90_D3F3T2	AGRFAI GGAI QTDAAI	NHGNSGGP	I VIDDGRIVIIGII IN A OII IT T
UniRef90_X8CNP5 UniRef90_R5SAU6	A KNRII OTDAAII	N P G N S G G A N P G S S G G P	L V N S G Q L V G V N S A I A T L L N E G E I I G I N Q A I Y N L V D G N V V A V S V A G L S S
UniRef90_A4YXM2 UniRef90_UPI000382647B	RTQDDLK LIQSDAAL NGDTLSC QIAVS	N P G N S G G P	L VD G NV V A V S V A G L S S V F N N G D V I G I L S T A
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UniRef90_D6BC13 UniRef90_D7VH86	SDGGSYMSALQTDĀSI AGDTLAY QISIP	N P G N S G G P N P G N S G G P	L
UniRef90_UPI00030A9B93 UniRef90_E6PFP8	ESGFQYDNVYQVDAQI QNDSGFKGLLQTSAPI	S P G S S G G P N P G N S G G P	L L D T G K V I G N S A L T L I D D G K V I G N O S T V K
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UniRef90_T1VSQ7	GNQNTVIDALQTDAAI SDGQSYMSALQTDAS	N P G N S G G A	L VND GQL I GIVN TALAS
UniRef90_UPI00031B18D8 UniRef90_UPI00031BC709	DTERNIVI IQTDAAII	NPGNSGGP	L L N A G A V I G V N S A G Q S L L S S G Q L I G V N T S I F T
UniRef90_F4FAE6 UniRef90_UPI00016C42CB	GDNR HRAVQTDASI EGKGLYTDCIQIETSI VEKYQGTTLLRLDTKI	N P G N S G G P	L V N D G Q L I G I N I A L A S L L N A G A V I G V N S A G Q S L L S S G Q L I G V N T S I F T L V N A G E V V G V N T A L A T L F N N G E L I G I N G R G S R L L S S G Q V M G I N L R R A
UniRef90_UPI00036E89B7 UniRef90_L8TQX4	V E K Y Q G T T L L R L D T K S A S N S L S D L I Q T D A P P T G F T L P D A Q T D A A	L S D G N S G G P S P G N S G G A	L L S S G Q V M G I N L R R A V L N R G E I I G I
UniRef90_U1NIB9 UniRef90_UPI0003685C68	PTGFTLPDAIQTDAA SDGGSYMSALQTDASI	V N P G N S G G P N P G N S G G P	L MSDGQVVAVINSGGG LMDAGNVIGINSAISQ LNTGELIGINTAIFS
UniRef90_J9C1A0 UniRef90_M0L4S5	LGLNSYEDFIQTDAAI PTGFSIPAAIQTDAP	NQGNSGGA VNPGNSGGP	L I N T G E L I G I N T A L F S L V D E G S V L G V V F A G A G
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UniRef90_M4K909



		50	60	70 80
UniRef90_F9EIT4	I QVT L	<u>A</u> DGR <u>I</u> ŬYEAN[TGTDEATDL	AVIAIDN PPADL
UniRef90_L0JUF7 UniRef90_U1NDE	7 D L Q Y 4 V D I R F	LNGDWSGTR HDGSWFTGT	_	A V L E A D H V P E D A T P A V I R V S D S P T E A T
UniRef90_A0A024	H011 L E V R T	SEGRIVLIGAKI	_ V G T D P L S D L	A V I K V D N S S G L T P A T L
UniRef90_V6JU02 UniRef90_M1USF	2 V Q V R F 8 V R S G D	NGGQTAEAE	/	AVVRVDGVSGL <mark>HPLPL</mark> SVIEFGSNAQLTNSYN
UniRef90_G2FUV	/9 A K V T L	S D G R V L V T N	SGYNPNYDA	V V L K V N A H D L Q P A
UniRef90_S4RBV	/1 \/ K \/ O	TNCDTVEAW		
UniRef90_UPI000 UniRef90_A5Z5V	3B49C15 S V T T 	AGTESKDSV	OGGTDSTKDV	AVVAVKLKDI PSDATL
UniRef90_L0IQN9	TLVTL	ADGRTAPFA	VVATDPSSDI	AVIKLQNASGLTKATF AVVAVKLKDIPSDATL AVVRAEGMSGLTPITF AVLEVD HVPDT ATLRI PTKEPL
UniRef90_D3SZ6 UniRef90_F6V4T4	6 V D L Q Y V R V R L	I NGDWIIIR PSGFTYFAT	V V G R D I Y S D L V T A V D P V A D I	A TI RI PTKEPI
UniRef90_D2R4C	D LEVE	A 1) (3 N (3)1 F V 1		IAIVI IKIVIK A F GII IP F
UniRef90_F2RJA: UniRef90_A6DUD	FKVTA	D T G K L Y E L E	V S S Y P E Q D L L A E E P S K D L	A V I K L E S L P Q G L K D F
UniRef90_G2NLF	1 LTATE	SDGKKYGAE	VVGRAEGYDV VEWSPAQGD <u>W</u>	AVLKLKN APDGL
UniRef90_I6V153 UniRef90_R7FH4	YQPDT CYITL	SDPSYYLLGN BNSKKYDGT	VEWSPAQGDM VWSDSDIDI	IAWIKTTVGVTPKVYPY
UniRef90_D8QTF	3 <u> V V T L</u>	HDGRTFTGE	V C F D MI T D I	SITKIEÄNNLK <mark>CI</mark> AVVKIKSKAPLPTVKI GIAKIIDKSLVSPELA
UniRef90_C5VSS UniRef90_C7NQ0	5 T A T L	VRYLKLRFL PSTGWREAS	<u> </u>	GI AKI IDKSLVSPELA
UniRef90_A1TGK	T GTV	A GRAYPAQ	VGYDRKRDV	AVLQLIGANGLAAAPI ALVKIASSDRFPSLSF
UniRef90_L8MWI UniRef90_UPI000	H GNVRN	S E G K T Y S G Q	/	ALVKI ASSDRFPSLSF ATIKIE PTSPL
UniRef90_V2TN9	I <u>NLKDM</u>	D S GIVIAIL IN FIVI	NEARNANQD V	QWHSVTSGNTVVPEFY
UniRef90_K7WJN UniRef90_A0A03	3 V T V V L	IE D G K R L IP A N I	VI GAKNGVDL IKY <mark>H</mark> SDYDL	A A I K I R N Q K N L P T L S L
UniRef90_R6SIS7	I T I Y F	FNGQSKQAE	/ I G Y S E A D D L	ALLKVDGRGYQAA_
UniRef90_D8RT6 UniRef90_G8TDV	4 VQVKK 1 VTIAG	GDDTKFVAR	V	ALLTVDSWEAVEPLKF AFLQ GPANVEI
UniRef90_B3QPC	6	IFN(iKFFFAK)	4 I H S D P K R DII	CILLIDIVIE GILINAP
UniRef90_W9AVNUniRef90_U1PDG	19 RTVTF 9 AGVRF	SDGRSVPFS	V V G T D P T G D L	AVVKAEGVSGLTPLAL AVLSVNDVPDTATPLP
UniRef90_I3NHI5	YKVEL	K S G A T Y E A K	K D V D E K A D I	ALIKIDHQGKLPVLLL
UniRef90_UPI000				
UniRef90_M3BLK UniRef90_I0WPZ	9 L S V T F 	GNGAEYVAE	/	A V I K L K N P S G A K L A V L R L Q G A G D L P V A T L
UniRef90_M1P1B		I D G S T WPVN	SVT LSERHDL	A L I S I D A Y S S P Y L S I S A L I K L K N A S G L K A A T L
UniRef90_D9UJ6: UniRef90_B4FZR	V L V R K	H G S T K Y K A E	V L G Y D S S R D V S V T L S E R H D L V V G T D S S K D L V Q A V G H E C D L V V G Y D T K A D L L A S D R R N D L	ALLTVESWD <u>GV</u> NSLEL
UniRef90_X0UTC UniRef90_K8GTF	7 I EAYT 8 LYVET	YDKDTYDAS	V G Y D T K A D I	A V L N L N E N N L E A L I R F E S Q G A L P
UniRef90_M1MP(Y	VSKIDKNIDL	ALIQVEEALTP
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UniRef90_UPI000	46FBA63 <u>A V V V T</u>	SEAKSYSIT	A S Y L D E VS D L	ALIQVEEALTP AVIKFDPAKVTPVAVF MIDIALIFIELETPLL ALLKINAKSLKPARFA
UniRef90_I3NID9 UniRef90_M0C1N	IISADV 16 TQLRF	GNGQTYAVD	/ V G Y D R T Q D I	A V L QL R G A A GL P T A T I A V V S A D S T P D S A T S L S
UniRef90_F8K0Z	ĖĸVTL	AGGGSADAT	V G S Y P A D D L V Y V D L P G K D I	AVIRLRPPGGLKPAVF
UniRef90_G9RQE UniRef90_UPI000	6 E V V V R H	DDTRWTTAR GDAOKERAR	V Y V D L P G K D I	C
UniRef90_UPI000	369E225 TKVTF	N T G N <u>T T</u> T F Q	VGTDPSSDI	A V V R <u>A</u> K G <u>V</u> S <u>G L</u> T <u>P I</u> S L
UniRef90_UPI000 UniRef90 C0GDJ	4259313 VRVKL	S D G R L L D G K	V V G T A P Y S D L	AVVKVDAEGLPAI EV AVAKPVSIDLLDS <u>SI</u> L
UniRef90_M0KTI	VVIDE	A D T C W D C A C	/ \/ \C \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
UniRef90_H8GZ1 UniRef90_UPI000	5 L R V 4733044 V K V T I	MNRQAVPAK	/	A L I R P E G L N A Q D L R P I A I L E V D G A I L K I S S N N L P T C N A L L R I A R R L Q P I P I Y E
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UniRef90_N2ASV UniRef90_D7WP4	5 VRIEN 4 YSVEN	DDTVYETDEL	_	ALLRIARRLQPIPIYE AILKVDRISHPLPVK <u>M</u>
UniRef90_UPI000	1611000 \/ \/ / D			
UniRef90_Q2J679 UniRef90_UPI000	GIL A Q F 37117C9 V W A F O	ADG [E R E V D ARGAGIVII G K	V I G W D S I F D L V G A D P L S D L F V Y S N H D L D Y	JAIV LIRARG TTPPAAVL AIV I QEDPDRIITPIVINRIV
UniRef90_I0Z970	DITKI	QRTSQWPAR	VATDAS <mark>H</mark> DL	
UniRef90_M2WSI UniRef90_M2YB\	./ V PER 9 F V O	к Q D <u> V G V V </u> G <mark>H</mark>	VII V G K S R E L D Y V V G T D P I S D II	AVIEFDPAKVIPVNRL AVIKIDODGLVPA
UniRef90_F8D449	ĻDVŘĒ	ROGEWRTGT	V V G T D V Y S D L	A V L R A R G T T P P A A V L A V L Q F D P D R L T P V N R V A V L Q L D A P P E T L A V L Q L D A K V T P V N R L A V I K F D P A K V T P V N R L A V I K D Q D G L V P A A A V R V D D R P E Y A A A V R V D D R P E Y A A M A K I T T R S Q I S T K I N A V L Q L D N A S G L T P A T L (S V I D L N D K G V V R G A N G
UniRef90_C6DXC UniRef90_UPI000	2 <u>T A T L</u> 47B93E1 I S V T T	S K F L P L K Y S D N G A T Y D A T	<u> </u>	A M A K
UniRef90_UPI000	3A4768A GAANV	N D S T Q D G S F	DRGSASGLDW	ZSVIDLNDKGVVRGANG
UniRef90_R5GS7 UniRef90 D1CHV	1 V K V N <u>T</u> /7 I R V T L		V G S D T D T D L L A R D P G A D L	ALLAVEAEGLASPV
UniRef90_M1MVI	I3 VASAD	SWQVGPSGT	VVASNAAHDY	A V L K I D A T D L T A A K L A L L A V E A E G L A S P V S V I E F S N A E L T R S Y N G A V V R I T G A S G L T P L A L L K V D D P S G L Q P A E L A L L K V D D F N H I I P L K L A R V A V A A G W T P K P T V G A L L K V D D E A A F V K P L T F V A V A S A F V K P L T F V A V A K E D E A A F V K P L T F V A V A C S C S C S C S C S C S C S C S C S C
UniRef90_V6ZCX UniRef90_UPI000	J I A T II 255C832 I S V R II	N D G S T R S A O	V V G T D P G T D II	A V V K I I G A S G L T P L A L A V I K V D D P S G L Q P A E I
UniRef90_UPI000	35EE8E3 LEVQK	YGERKYDAK	YYAVSHQADL	ALLKVDDFNHLTPLKL
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UniRef90_E6TIK7	VASEA	APNAGVVGE	MVAGNDILDY	AVIKFDPAKVTPVNEV ALIFGNTNFVHTLYG AFVQ APAAADL
UniRef90_A1TL33 UniRef90_W0F4N	WSSGS 8 VT QG	ı KGEELGQF KTFERQLAK	<u>и </u>	A F V Q A P A A A D L
UniRef90_L8DAA	Y L P D P	SDSIQLGIF	JRSSILIGGILIDW	/SIVI IAIL IN D S GII II S G A N G
UniRef90_UPI000 UniRef90_T0Y7Y	35E24D3 L E I V L L T V E L	PNGIIKIAT HNRREYPGK	VVLTDKTNDL VVGMD <u>KI</u> SDI	A I L K I D PLPE A Y A V V K I PV N N L
UniRef90_J3A476	V E I R F	SDGSWRTGR	/ V lG T D lV lY T D lL	A V V A V P T L P E T V
UniRef90_UPI000 UniRef90_L0IFN4	443BDA/ L R V Q <u>L</u> V G R G	L S G D A H E A T S E G D L H N G T	RDIDKKADI VVGATAFADL	A T K Q P K G P L P A L L L A V V R V N A T S D A L
UniRef90_E1MG\	O ARYGN	AGNURLEUG	DHEYTKRGDV	AVVRVNA TSDAL AVLYADGYDTAPNNTG
UniRef90_X1NPC UniRef90_F5YSX	3 AG∐YT 5 SEWTD	Y D G E M H Q V S A A A A P L G P I	<u>_ </u>	ALLKIEG SY AIIRLRPGTPPPNGGV
UniRef90_UPI000	2625AA4 GTATY	SDGTEARFT	V G A D P L S D L	AVLR ASEAPSAARM

	90 100 110 120
UniRef90_F9EIT4	TVAQLGDSGTLATGQDVMAIGNPLGLSSGIVSALDRPVVTLG LSETRPVVGQEVLAIGNPYGLEAGIVSGVDRTVPAPLQIAGGTAYPQPGQPVAALGNPLGLDTGVVSGIDRSMPTGDSGKLNVGDTAIAGGSPLGLTGTVTDGIVSTLNRTISV
UniRef90_L0JUF7 UniRef90_U1NDB4	PLQIAGGTAYPQPGQPVAALGNPLGLDTGVVSGIDRSMPT
UniRef90_A0A024H011	GDSGKLNVGDTALAGG SPLGLTGTVTDGI VSTLNRTISV
UniRef90_V6JU02 UniRef90_M1USP8	GINSASIVIRIVIGIDE AIVIGAE Y DILIE GILIVII I GILIVISAK E REIVILA
UniRef90_G2FUW9	K F N F S S S A QII IG D KII IY T II IG N PII IGII IF D T II IS D GII I IS T II IN R
UniRef90_S4RBW1 UniRef90_UPI0003B49C15	LRLARSAELRPGEFVVAIGSPFKLQNTVTTGIVSTAQRGDSDKVNVGDTTVAIGAPLGLSGTVTNGIVSSLNRSIQIGDSDKVNVGEGVIAIGNALGYGQSVTTGIISAKDRKVQL
UniRef90_A5Z5V2	GDSDKVNVGDTTVAIG APLGLSGTVTNGIVSSLNRSIQI GDSDKVNVGEGVIALGN ALGYGQSVTTGIISAKDRKVQL
UniRef90_L0IQN9	G S S A D L H V G Q R V V A V G S P L G V T A G I I S A L H R P V N S
UniRef90_D3SZ66 UniRef90_F6V4T4	A T <u>P L T L </u> S E Q R <u>P V </u> A G Q Q V L A <u> </u>
UniRef90_D2R4Q5	LKLGDSAKVAEGEPI VVLGNPRGLRHSVVSGVSGMRDL
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UniRef90_G2NLF1	TPLALGDSDKVAVGDSTIALGAPFGVTTGIISAKNRPVAS
UniRef90_I6V153 UniRef90_R7FH40	GDSDKVNVGEGVIALGN ALGYGQSVTTGIISAKDRKVQLGGSSSTLGVTAGIISAKDRKVQLGGSPLGVTTTGIISAKDRKVQLGGSSSTLGVTAGIISALHRPVNSATTAGIISALHRPVNSATTAGIISALHRPVNSATTAGIISALHRPVNSATTAGIISALHRPVNSATTAGIISALHRPVNSATTAGIISALHRPVNSATTAGIISALHRPVNSATTAGIISALGIISALHRPVNSATTAGIISALGOSSKIRLGGEFVVAMGSPFALQNTIITSGIVSSADLUKLGDSAKVAEGEPIVVLGNPRGLRHSVVSGVSGMRDIKALGOSSAKVAEGEPIVVLGNPRGLRHSVVSGVSGMRDIKALGOSSKINKNLEGELVIALGNPFGVTTMGIVSATTAGISSTSLETLGDSSKIRLGETVYAIGNPFGVTTGIISAKNRPVASFILKGYKPRYQYVGSTVLKSGRTTGLTGGIILDISTSLETLGSSKIRLGETVYAIGNPIGVTSGIISSKNRTIKL
UniRef90_D8QTR3	GSSRKLRA GEWVIAVGSPLHLQNGIISAVERSSEI LTGIPKGVSNPKLNQPIKKVGALSELTTGVITSIHNTLTV
UniRef90_C5VSS5 UniRef90_C7NQG9	LT GI P K G V S N P K L N Q P I K K V G A L S E L T T G V I T S I H N T L T V A G S L S L V E D E P A V G T E V V A L G N P Y G V S A G L V S G V D R T L S S
UniRef90_A1TGK3	GDAYAL VPGQPVVALGNMGTEAPLTREVGTLTGFGRTVQT
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UniRef90_V2TN91	A D S Q T T T R A S T T Q G D N V C H Q G K T T G Y S C G Y V A Q T N Y A P T Y
UniRef90_K7WJN3 UniRef90_A0A031WHY2	A K S
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UniRef90_B3QPC6	GAVIGNASQLKVGEKVYAIGAPEGFEKTLSDGIVSGFRT
UniRef90_W9AVN9 UniRef90_U1PDG9	GSSRKLRA GEWVIAVGSPLHLQNGIISAVERSSEI LTGIPKGVSNPKLNQPIKKVGALSELTTGVITSIHNTLTV AGSLSLVEDEPAVGTEVVAIGNPYGVSAGLVSGVDRTLSS GDAYALVPGQPVVALGNMGTEAPLTREVGTLTGFGRTVQT ADRD SILVGEKVFAIGSPFGLSGTLTTGILSRIAA PTLPLGHSSDVRQGEFVVAMGSPFSLQNTITTSGIVSSAQR ADSQTTTRASTTQGDNVCHQGKTTGYSCGYVAQTNYAPTY AKS AQVGQSVYAIGSPFGYGNLNNFTAGVLSNI SKKPVRGQKIVAIGSPFGYGNLNNFTAGVLSNI SKKPVRGQKIVAIGSPLGFNTVSDGIISAFR KIGKSSACRFGERVYAIGTPAGVTQGIVSYPDREMKI GSLPRLQDPVIVVVGYP MGGETISVTSGVVSRIEVTSYV PEIRLGQYDGLKVGEKVYAIGTPAGVTQGIVSYPDREMKI GSLPRLQDPVIVVGEKVYAIGTPAGVTGGIVSSYPDREMKI GSLPRLQDPVIVVGEKVYAIGTPAGVTGGIVSSYPDREMKI GSLPRLQDPVIVVGEKVYAIGTPAGVTGGIVSSYPDREMKI GSLPRLQDPVIVVGEKVYAIGTPAGVTGGIVSSTTQR GSSK DVKVGEQVVAIGNPFGFNYSATQGVISKVDR GAVIGNASQLKVGEKVYAIGSPLGFEKTLSDGIISGVNRSIPS GRAVIGNASQLKVGEKVYAIGSPLGFEKTLSDGIISGVNRSIPS GRAVIGNASQLKVGEKVVAIGSPLGFISGVVSALNRPVVAA
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UniRef90_I0WPZ4	A K D I AIVIGII IG D PIVII AIVIG N A E G G GIVIPIVIA A R G F IVII DIVIG Q I II II A
UniRef90_M1P1B6 UniRef90_D9UJ63	R S Q R D Q G Q K V Y T V G N P H G L R H T V T S G V I S G Y R N G N S D N L Q V G D N V V A L G S P E G V T S G I V S A L D R D V T V
UniRef90_B4FZR8	GDIPFLQEAVAVVGYPQGGDNISVTKGVVSRVEPTQY YLEFADSDDVDIGEKVLALGNPAGLDFTVTEGLISAKRE
UniRef90_X0UTQ7 UniRef90_K8GTF8	GNSD NLQVGDNVVALGSPEGVTSGIVSALDRDVTV GDIPFLQEAVAVVGYP QGGDNISVTKGVVSRVEPT QY YLEFADSDDVDIGEKVIALGNPAGLDFTVTEGIISAKRE TVRVAVSTTPVVGELVCAIGSPFG QSGVITQGSLVRIL LKLVSEDNIALGKEVYALGAPYTMTKGIVSAKNRKVKN
UniRef90_M1MPC0	LKL VSEDNIALGKEVY ALGAPYTMTKGI VSAKNRKVKN
UniRef90_A0A046SD18 UniRef90_UPI0003CFCCE4	NGFALINGI GDPSFGQLACKQGKI I GNSCGVI WGPGES
UniRef90_UPI00046FBA63	SATNKLQVGEKVI ALGTPISFSRNSATVGVVSGLDRAV
UniRef90_I3NID9 UniRef90_M0C1M6	G GEATV GEPI VALEGNOVGGQVAGKV VALINQSV SA
UniRef90_F8K0Z4	GDSAKVEVGQITLAMGN PLGLSSSVTQGIVSAVGRTVSGMPGLPLRSDAVETGLAVYALGYPTGVDSGIVSAVRQS RGNLPDLQEEVTVYGYPL GGKSLSITRGVLSRVEHQY YGSSSNLVVGQQVVAVG SPLGLQGTVTEGIISSLNRPVAAADSEKLNVGDLTVALGAPLNLANT VTSGVVSAVNRGISV
UniRef90_G9RQB6 UniRef90 UPI0002558DC9	MPGLIPLIRSDAIVETGLIAIVIX ALIGYPTGVDSGII VISAVIRQS R
UniRef90_UPI000369E225	GSSSNLVVGQQVVAVG SPLGLQGTVTEGIISSLNRPVAA
UniRef90_UPI0004259313 UniRef90_C0GDJ1	A D S E K L N V G D L T V A L G A P L N L A N T V T S G V V S A V N R G I S V G I G R L R G M A G A T V G M N V Q K S G R S T G F S R G H I T T L G A T V N V
UniRef90_M0KTI3	A E PTVGTEVVALGNPF GVS A GLVS GVDRTLQS
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UniRef90_I0GI00	LGDSSTSKVGENVVAI GNPLGLPNVVSTGNISKI
UniRef90_N2ASV5 UniRef90_D7WP44	G PKKIL VIR GQAIVIA AII IGS PILIGILIF N SII IS D GII I IS G F R T D GOIL VIR GOKIL VIA II IGS PILIGILIF N SIVIS D GIL VIS G F R
UniRef90_UPI0004641808	G G R R G M A G A T V G M N V Q K S G R S T G F S R G H T T L G A T V N V A E A E P T V G T E V V A I G N P F G V S A G I V S G V D R T L Q S P L G D S D A L K V G Q K A I A M G A P F G L D S T A R Q I P I G F G A G K V L N L N H N P P S I G S D V I A I G S P K G L D F T L T R G I V S S L R K L G D S S T S K V G E N V V A I G N P L G L P N V V S T G N I S K L G P K K L V R G Q A V A A I G S P L G L F N S I S D G I V S G F R T D G Q L V R G Q K I V A I G S P L G L F N S V S D G I V S G F R T D G S S E G L S I G S K L Y A I G S P L G L F N S V S D G I V S G F R T G S S E G L S I G S K L Y A I G S P L G L T G S V T A G V V S A L G R S L P T G N L T I T N L G A P A F P A V V C K E G R T T G N T C G I A W Q P I K M G S S K G L K V G Q S V F A I G N P R G L T A G V V S G L N R A I P S G P V T I T S V G S P A F P D V V C K Q G L R T G N T C G V V W E L G S S S D L N V G D T A I A I G A P I G N T C G V T D G I I S T T D R T I D Y
UniRef90_Q2J679 UniRef90_UPI00037117C9	GDAAGLKVGQL <u>VVAVGN</u> PLGLIGSVTAGVVSALGRSLPT GNLTITNLGAPAFPAVV <mark>C</mark> KEGRTTGNT <mark>C</mark> GIAW
UniRef90_I0Z970	QPIKMGSSKGLKVGQSIVFALGNPRGLITAGVVISGLNRALPS
UniRef90_M2WSL7 UniRef90_M2YBV9	ELLGSSSDLNVGDTAIIAIIGAPLIGVITDGII ISTTDRTIIDY
UniRef90_F8D449	GPVTI T SVG S P A F P D V V C K Q G L R T G N T C G V V W E L G S S S D L N V G D T A I A I G A P L G V T D G I I S T T D R T I D Y T P L P F I D G D P V V G D E V L V I G N P Y G L D T G V V S G V N R S L P S F L G R I K G M A K P S L G M S V Q K V G A T T E L T K G N I T S I G A T I V F D Q D N N L A V G D T I A A I G N A G G G G Q L M S A D G T V V D L N A S V S T S T V T I T G T A S P V V G A P V C K S G Q S S S F T C G I V A A D R V E T Q L G D S D E L S L G D D V V V I G N P L G L E T S V A K G V V S G L N R Q V Y L A D P S E V R V G Q I A L A L G R P S G L M A G V V S A L G G R W R T V T V N E V G G A P V T L G Q Q L C K Q G V A T G S P I G V T T G I V S S I N R P V F T
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UniRef90_UPI0003A4768A	STVTLTGTASPVVGAPVCKSGQSSSFTCGCVAADRVETQL
UniRef90_R5GS71 UniRef90_D1CHW7	LADPSEVRVGQIALLALGRPSGLMAGVVSGLNRQVY
UniRef90_M1MVN3	VT VN EVG G A P V T L G Q Q L C K Q G V A T G F T C G I T W A G D G N T Q L
UniRef90_V6ZCX0 UniRef90_UPI000255C832	
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UniRef90_UPI0003B62AA3 UniRef90_I2K540	GSLPKVEQKIVVYGYP MGGSTLSATIGVVSRIEHHTYA
UniRef90_E6TIK7	G SSGDLNVGDQAVALGAPLGVTDGIISAKERTISV GDLPQVEQRVVVLGYP MGGNTLSATLGVVSRVEDNMYV TPVTVRGATPGVVGAKLCKSGRTTGVGTVQGFQTVVGGSLPKVEQRVVYGYP MGGSTLSATLGVVSRLEHHTYA NGFRIDGLGDPAFGEVACKLGRSTGYSCGVTWGPGQE KIITTQNSAPLAQNTPVCTSGGTNGWRCGTQGVTNRQAWV ADVHIGTYEALNDGDNVIALGHPYNLYSATQGVISKVDRI STVAITGTAAPVIGAPVCKSGQSSSFTCGIVAADRVETQL RPIPVALTTLSNVGESIYILGFPKGEKVGNSLKMSDGIIS PTVKLGNSNNLQVGQWVLAIGMPPLGLDTGIVSAKGR
UniRef90_A1TL33 UniRef90_W0F4M8	A DIV HI G T Y E A L IN D G D N V I A II G H P Y N L Y S A T Q G V I S K IV D R II
UniRef90_L8DAA5	STVALTGTAAPVIGAPV <mark>C</mark> KSGQSSSFT <mark>C</mark> GLVAADRVETQL
UniRef90_UPI00035E24D3 UniRef90_T0Y7Y7	
UniRef90_J3A476	DPLRLA SENPRPGRQVAALGNPLGLDTGLVSGASRSMPT
UniRef90_UPI000443BDA7 UniRef90_L0IFN4	EPLDVS NAT PRPGQRVAALGS PYGLITS GILVS SAQR
UniRef90_E1MGY0	DPLRIA SENPRGRQVAALGNPLGLDTGIVSGASRSMPTGSSR DLRPGEFVVAIGSPFALQNTVTTGIVSSAQREPLDVSNAT PRPGQRVAALGSPYGLTSGIVSGVNRSMPTTLINITWKIEPSIGQALAFSGQRTGRKVGKFCALSGRHKTDKLRFGDSDDIQITESVIAIGNPLGLRFSATKGIISAVHRDGRDVLGPGQIHVGMPFCKVGSRTGETCGEVTEIAG
UniRef90_X1NPC3 UniRef90_F5YSX5	D K
UniRef90_UPI0002625AA4	G D A D K L V V G Q L V V A I G S P L G L A G S V T A G V V S A L G R S L P V

	130 140 150 160
UniRef90_F9EIT4 UniRef90_L0JUF7	T Q E R T V T N A I Q T D A A I N P G N S G G P L F D T G K V I G L T S S L A S P H G E T F P N V V Q T D A A V N P G N S G G P L V D
UniRef90_U1NDB4	S G G F A I P D T V Q T D S P I N P G N S G G P L I T A G Q G E I S I N V I Q T D A A I N P G N S G G A L V S S G E I I G V N V A I A S
UniRef90_A0A024H011 UniRef90_V6JU02	GGGTSYIVINAILIQTDASILINPGNSGGPILVIDAGRIVLIGILINSAGDA
UniRef90_M1USP8 UniRef90_G2FUW9	MTMSQVCAGRGDSGAPVFVDNRLVGIVSGG VIDGVT FIQUSAPISPGSSGGALINQGEVIGITAAGLT
UniRef90_S4RBW1	GGDDSDHDYILIOTDAMIVINYGSAGGPIL VINDGEIVVIGILINTILIKIVI
UniRef90_UPI0003B49C15 UniRef90_A5Z5V2	A Q S T T S L P V I Q T D A A I N P G N S G G P L I N G G Q I I G I N V A I A S E N Q T M T L L Q T D A A I N G G N S G G A L L N A G E V I G L N V A K Y S
UniRef90_L0IQN9 UniRef90_D3SZ66	ANOGATILIDALIOTDAPILINPGNSGGAILVINNGOLLIGMNSATSG
UniRef90_F6V4T4 UniRef90_D2R4Q5	GLPQPNVEYIQTDAAIDFGNSGGPLVNDGEVIGVNTMKV
UniRef90_F2RJA5	GTGATLANMVQTSAAINPGNSGGALVNDSEVVGITDPGMG
UniRef90_A6DUD4 UniRef90_G2NLF1	F Q N E N T K G V L Q T D A A I N P G S S G G P L V S V R R G V G V N T A Q I P G D G N S Y M S A L Q T D A S I N P G N S G G P L L D G G A V I G I N S A L Q S
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UniRef90_D8QTR3 UniRef90_C5VSS5	ENTTYMSDLIQTDATINPGNSGGPLYPNGEVIGINTIKA GLHGATTDYIQTDAAINQGNSGGPLLNDGEVIGINTIKA NYHDIFKEQIFTSFMAEHGDSGALLDSNNVIGLLMSGSK PGEFSIPDTIQTDAAVNPGNSGGPLVNEGEVVGVISAGQG GTSDELTGLFEFAAPVRAGDSGGPVVNDGQVVGITTAASV DGD LQTDARLNPGNSGGPLLSRGEIIGVNKAILS GSGLPGYNMIQTDAAINYGNSGGPLVNDGEVIGVNTMRVT SNKGTASGTGNGTLKCYQGDSGGPVFASQTAFGLLKGASG DEQD GIKHDARINPGNSGGPLLSQAQVIGVNTALDR DFETVQMIQFTAPISSGSSGGALLDMGNLLGLISAGYD GSLQKKMHVIQTDTQVNPGNSGGALLFNDGEVIGIVSMASG
UniRef90_C7NQG9	P G E F S I P D T I Q T D A A V N P G N S G G P L V N E G E V V G V I S A G Q G
UniRef90_A1TGK3 UniRef90_L8MWH1	DGDLQTDARLNPGNSGGPLLSRGEIIGVNKAILS
UniRef90_UPI0003C2B156 UniRef90_V2TN91	G S G L P G Y N M L Q T D A A L N Y G N S G G P L V N D G E <u>V I G V N T M R V T</u> S N K G T A S G T G N G T L K <mark>C</mark> Y Q G D S G G P V F A S Q T A F G L L K G A S G
UniRef90_K7WJN3 UniRef90_A0A031WHY2	DEQD GIKHDARINPGNSGGPLISQAQVIGVNTAIDR
UniRef90_R6SIS1	GSLQKKMHVIQTDTQVNPGNSGGALFNDGEVIGIVSMASG
UniRef90_D8RT64 UniRef90_G8TDV1	H G A S E L L G V Q I D A A I N A G N S G G P A F N E G E C V G I A F Q S L K V R D G L K F I Q L D A A I N P G N S G G P L V N N G E V I G V N S F K I Q V D G G N Y I Q T T T P I S P G S S G G G L E D E G R L V G M V S G K S L
UniRef90_B3QPC6 UniRef90_W9AVN9	G D A A G V <u>L </u> D A Q D A A N P G N S G G A L V N M G <u>E L G </u> N S A <u> I </u> A
UniRef90_U1PDG9 UniRef90_I3NHI5	G G R N S D M D Y I I O T D A II I I N Y G N S G G P II V IN
UniRef90_UPI0003833B1A UniRef90_M3BLK9	G S R E S D M E Y I Q T D A A I D F G N S G G P X V N D G E V I G V N T M K V T S D G G S Y M S A L Q T D A S I N P G N S G G P L L N A G A V I G I N S G A Q G G S R N R L N G L I Q L D A A V R P G D S G G P L V D A T A A I G V N T A G N A
UniRef90_I0WPZ4	G S R N R L N G L I Q L D A A V R P G D S G G P L V D A T A A I G V N T A G N A
UniRef90_M1P1B6 UniRef90_D9UJ63	YNGEF FIQTDAPINPGNSGGPLVDAGKVLGVNTMIIR GDSTTTYKAIQTDASLNPGNSGGALIDMNGAIGINSAMYS AHGATQLMALQIDAAINPGNSGGPALMGDKVAGV AFQN
UniRef90_B4FZR8 UniRef90_X0UTQ7	A S N GII ID Y F Q T DIVIPII IN P G N S G G
UniRef90_K8GTF8 UniRef90_M1MPC0	PNGD
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UniRef90_UPI00046FBA63 UniRef90_I3NID9	
UniRef90_M0C1M6	P S G Y R P D A Q T D A A V N P G N S G G P L M S D G T V V G V V N S K R G
UniRef90_F8K0Z4 UniRef90_G9RQB6	G N G A T L A N M V Q T S A A I N P G N S G G A L V N S S Q V I G I P T L A A G A E G L Q T T W A L Q T N A P I S P G N S G G P L V D G G R L V G I N T A H A E S Y L M A G Q L D A A I N P G N S G G P V I S G G R I V G V A M Q T N H
UniRef90_UPI0002558DC9 UniRef90_UPI000369E225	G G D N T V L D A I Q T D A A I N P G N S G G A L V N S G E L V G I N S A G Q S
UniRef90_UPI0004259313 UniRef90_C0GDJ1	GSGTVTLPVIQTDASLNPGNSGGALLNGGELIGINVALAS GFGSRFTNQILTSKMGEPGDSGSLLLNNNHAVGLLFAGGP
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