QUERY UniRef90_Q3UN88 UniRef90_UPI00045E25D5 UniRef90_P18291	1
UniRef90_H0XIR7 UniRef90_UPI00038EFD78 UniRef90_UPI0003344E10 UniRef90_UPI000388C38F UniRef90_I3NHJ9 UniRef90_UPI00033375C3	I I GGQEARPHSHPYMAYL QI QTPDDLR SCGGFLVREDFV I VGGYVOCRQRK PYQVSLQV GTRHVCGGSLISRQWV I I GGREAKPHSRPYMAYLQRKTCKGEE KCGGFLVREDFV I I GGHESKPHSRPYMAYLQFVAQ GVQKKCGGFLIREDFV I I GGHESKPHSRPYMAHLFIVTPHGHI GNCGGFLIRENFV
UniRef90_UPI000328AD72 UniRef90_UPI0003F14714 UniRef90_L5M2A0 UniRef90_UPI00042AADF9 UniRef90_UPI0003C4BD8F UniRef90_UPI0003AFE5B8	I I GGHEAKPHSYPYMAFL QLKTSEKTK CGGFLVHEDFV I I GGHEAQPHSRPYMAYVHFWKD GKHKCGGFLI QEDVV I I GGTECKPHSRPYMAHLEITTPQNSVMHCGGFLI RRNFV I I GGTECKPHSRPYMACLKI TDGDVTRRCGGCLI REDFV I VGGYECSPHSQPWQVSLNV GYHFCGGSLI TDQWV I I GGQEAKPHSRPYMAFLRFKIS GEPYVCGGFL VREDFV
UniRef90_UPI00046C2282 UniRef90_U3CU20 UniRef90_UPI00022CE03E UniRef90_G1MBP2 UniRef90_UPI0002C65A06 UniRef90_UPI0003F0A249	I I GGGEAEPHSRPYMAFVKIETGENEGGMCGGFLIREDVV
UniRef90_K7FPE0 UniRef90_UPl0002C5849B UniRef90_Q7Z5F4 UniRef90_H9J2E2 UniRef90_K7F7Z3	I I G G Y E A K P H S R P Y M A Y L R V E H D K K I F Q C G G F L V K R K F V I I G G H E A K P H S R P Y M A F V Q F L D K D K K R R C G G V L V H K Y F V I V G G Y T C E E N S L P Y Q V S L N S G S H F C G G S L I S E Q W V V V G G D A A V A G A W P W Q A A L Y R D G D F Q C G A T L I H P Q W L I V G G H E A K P H S R P Y M A F L R L Q E G H N Y K R C G G F L V T E N F V
UniRef90_UPI00038EFAD5 UniRef90_UPI0004544D0C UniRef90_UPI00046B95E4 UniRef90_U4UQ95 UniRef90_F6QWU1 UniRef90_F7EM73	I V G G S S A V R G E W P W Q V S L W L R R R E H R C G A V L I A D R W L I V G G T Q V E E G E W P W Q A S L Q L V V G G E A L P G R W P W M A A I F L H G S R T E F W C G G S L I S A T H I I I G G Q E A R P H S H P Y M A Y L L T Q T P V G L G T C G G F L V R E D F V I V G G Y T C Q Q N S L P Y Q V S L N S E W V
UniRef90_H0WDE1 UniRef90_UPI000328A342 UniRef90_B4M4Q3 UniRef90_UPI00046C1574 UniRef90_H0X9I0 UniRef90_UPI000333E184	I I I GGHEAKPHSRPYMAFI QYVNKGKWN LCGGFLI QENFV I VGGVEAPNGQWPWMAAI FLHGPKRTEFWCGGSLI GTKYI
UniRef90_UPI0003C42518 UniRef90_B5DZ08 UniRef90_UPI000203A52A UniRef90_UPI00046BCD7C UniRef90_K7FPM6	I F G G R E A E P H S R P Y M A Y L K R K F E G E N T F C G G F L V A E N F V I V G G A N A A F G R W P WQ I S L R Q W R T S T Y L H K C G A A L L N E N W A I V G G N K S W P G A W P W L V S V W L N G E L M C G G V L V G D A W V I V G G E A A E P G E F P W Q I S L Q V V S W Y G G S I L D E S W V I V G G F G A M A G E V P W Q V S L K E G S R H F C G A T V V G D R W L
UniRef90_UPI0003EBC1DE UniRef90_A0A026WVM2 UniRef90_G3VWU4 UniRef90_UPI000298BFE2 UniRef90_UPI00022B6D09	V   G G S S A G E G Q Y P Y Q A S   R Y R
UniRef90_UPI00022F4982 UniRef90_F6XF31 UniRef90_UPI0003C83051 UniRef90_USH734 UniRef90_W5PIW6 UniRef90_UPI0003330786	I VQGQEAMDGEWPWQASLQLADAG HQCGASLISNTWL I MWGTEAKPHSHPYMAFLRIYRNESGKIRCGGFLVAKDLV I VGGSAAGRGEWPWQVSLWLRRRE HRCGAVLVAEKWL VVGGTEAQEDEWPWQASLRW DGRHRCGATLINGTWV I VGGYTCEENSVPYQVSLNY GYHFCGGSLINKQWV I VGGREAQPHSRPYMASLQL ASGSHFCGGTLVHPSFV VVGGDDAVPHSWPWQVSLQYLKDDRWGHTCGGTLIADNFV
UniRef90_UPI000443CADA UniRef90_UPI0003DE8D3D UniRef90_UPI0002C46BA5 UniRef90_UPI0003D0DD9C UniRef90_R0JWL4 UniRef90_L5KD15	V V G G D D A V P H S W P W Q V S L Q Y L K D D R W G H T C G G T L I A D N F V  I I G G H E A R R H S R P Y M A C L R T S K K R S E C L C G G F L I R E D F V  D A E F G E Y P W Q V A I L K K D P T E S V Y V C G G T L I S P R H I  I V G G Y T C A K N S I G Y Q V S L N S G Y H F C G G S L I R N Q W V  I V G G V E S I P H S R P Y M A H L K I T T E K G Y V T F C G G F L I S R Q F V  I V G G S Q V K Q G S H P W Q V S L K R R Q K H F C G G T I V S A Q W V  I A G G M N A E E G E W P W Q A S L Q Q N S V H R C G A T L I S N N W V
UniRef90_UPI0003C2A644 UniRef90_F7D5Q5 UniRef90_W5MIF5 UniRef90_UPI0002A4A72F UniRef90_G1U379 UniRef90_I3ML19	I AGGMNAEEGEWPWQASLQQQNSVHRCGATLISNNWVIIVGGDDTLEGEWPWQASLQIRGRHICGGTLIADRWVIIIGGHEAKPHSYHYMAFVQFLDKKSKGCGGILVRKDFVIIVGGSDATIQEWPWQVSLQFNEQHTCGGSLIAPRWVGSSVVSEGQWPWMASLQKNGQHVCGGTLVSLDSVIVGGSAAPPGSWPWLVRLQLGGQPLCGGVLVAASWVIIJGGQEAVPHSHPYMAFLHIQTPNKTKGCGGFLVREDFV
UniRef90_G5BRP4 UniRef90_P26262 UniRef90_A0A026VY88 UniRef90_UPI000273AA15 UniRef90_H2RJC7 UniRef90_R0LF20	GGHEAKPHSRPYMAFVSFLVGKKRK RCDGVLVQEEFV  VGGTNASLGEWPWQVSLQVKLV SQTHLCGGSIIGRQWV  VGGASSSVGSWPWQVAVY KNGDYQCGGALINERWII  VVGGEDARPHSWPWQVSLHFQT YGHVCGASIISERWL  VGGQNAEVGEWPWQVSLHFQT YGHVCGASIISERWL  VGGSTAARGEWPWQVSLWIRRKE
UniRef90_UPl0003502D9E UniRef90_UPl0003F182B7 UniRef90_UPl00046282FF UniRef90_UPl0003F11813 UniRef90_W5U639	V V G G T A A L H G E V P W Q V S L K E E G L R H F C G A A V I A P R W L I V N G E N T L V G A W P W Q A S M Q W K G Q H H C G A S L I S S R W L
UniRef90_UPI000388CAD0 UniRef90_G1M7A3 UniRef90_F6YJN1 UniRef90_H9GPC0 UniRef90_B4P5X3 UniRef90_UPI0003333AEA	I I GGQEVRPHSRPYMAFVVKIERKGKGGNMCGGFLIREDVV GGEECEPHSQPWQVALF ERGRFNCGASLISAHWV I I GGATCAKNSVPYIVSL NAGYHFCGGSLINNQWV I I GGGAAPGQFPHQVSLQL NGRHHCGGSLISETMI I GGTPVEEDEWPWQASLRW DGAHRCGATLINKTWV
UniRef90_M0R4S3 UniRef90_G1Q7U6 UniRef90_H2M4P7 UniRef90_B7PC21 UniRef90_L8IEV1 UniRef90_F7FNB0	I VSGNPAAKGAWPWQVSLQ RNNIHQCGGTLIGNMWVIANGYIAKKADWPWQASLQM DGTHYCGASLISEEWLIGGKDASEGEWPWQASLQWR GTHICGGALISSQWVIVGGTIAKPNDWTWMAALLRRFDDD QFCGGALISERYVVIVGGTNASWGEWPWQVSLQVKQRAQSHLCGGSIIGRQWVVVVGGETARPHSWPWQVSLQVLENNRWWHTCGGILIAMNFVIVGGEAAAPGSWPWQASLY NSGSFACGGSLITDQWV

QUERY UniRef90_Q3UN88 UniRef90_UP100045E25D5 UniRef90_P18291 UniRef90_UP1000338EFD78 UniRef90_UP1000338EFD78 UniRef90_UP10003334E10 UniRef90_UP100033375C3 UniRef90_UP1000328AD72 UniRef90_UP1000328AD72 UniRef90_UP100035A14714 UniRef90_UP10003F14714 UniRef90_UP10003AFE5B8 UniRef90_UP10003F0A249 UniRef90_UP10003F0A249 UniRef90_UP10003F0A249 UniRef90_UP10003F0A249 UniRef90_UP10003F0A249 UniRef90_UP10003BEFAD5 UniRef90_UP10004544D0C UniRef90_UP1000454B05E4 UniRef90_UP100045B95E4 UniRef90_UP100045B95E4 UniRef90_UP100032BA342 UniRef90_UP100032BA342 UniRef90_UP10003C42518 UniRef90_UP10003C42518 UniRef90_UP10003C42518 UniRef90_UP10003C42518 UniRef90_UP10003BBC1DE UniRef90_UP10003BBC1DE UniRef90_UP10003BBC1DE UniRef90_UP100022B6D09 UniRef90_UP100022B6D09 UniRef90_UP100022B6D09 UniRef90_UP10003C83051	80 S S S S S S S S S S S S S S S S S S S
UniRef90_Q5H734 UniRef90_W5PIW6 UniRef90_UPI0003330786 UniRef90_UPI0003330786 UniRef90_UPI0003DE8D3D UniRef90_UPI0003DE8D3D UniRef90_UPI0003DDDDDC UniRef90_R0JWL4 UniRef90_UPI0003C2A644 UniRef90_UPI0003C2A644 UniRef90_W5MIF5 UniRef90_W5MIF5 UniRef90_UPI0002A4A72F UniRef90_UPI0002A4A72F UniRef90_I3ML19 UniRef90_I3ML19 UniRef90_G5BRP4 UniRef90_P6262 UniRef90_A0A026VY88 UniRef90_UPI000273AA15 UniRef90_UPI000273AA15	V S A A H C Y K P R   Q V R   G E H N   E V L E G T E Q F   N A A K   I P H P K L S T   A P   L R N P Q R V S V V L G A H R L Q T P E P T Q Q R   C   S F E N N L T A A H C   I N D A L T Y R V G L G K N N L T V E D E E Y V G V D T I Y V H E K L T A A H C I G S L Y R V T L G A H D L S K K E R T Q Q V I P V S R G F L H P N L T A A H C V K T Y A A R D E W D V N H D V E F Y P Y I E R D I A N V Y V H P E V S A A H C Y K S K I Q V R L G E H N I N V L E G S E Q F I N S A K V I R H P S L T A A H C N G R E I T V T L G A H D V S K R E S T Q Q K I K V E N Q I I H K N V T A A H C I L E R N L L E Y G E Y D L R I R E N G E Q T L P V K Y V I K H P N D V S A A H C F D D I W T V Y L G K Y F Q N T S S Y N E V S F K V N R L L L H P Y M T A A Y C W G S S I N V T L G A H N I K E Q E R T Q Q F I P V R R A F P H P A V T A A H C F P R A E H V L S R W S V H P T S L G F T G G V S V D K V I V N G Q L S D A K C F S S P P V A S K W T V V L G R K Q N G S N P F E V S L N V T N I L T A A H C F A G A Q N E L W T V T E G P R G E Q A E E V P V N R I L P H P K L T A A H C K G S S V K V T L G A H N I K K P E K T Q Q V I P R R K A I P H L T A A H C K G S S V K V T L G A H N I K K P E K T Q Q V I P R R K A I P H L T A A H C C I S K G K T Y R V G K N N L V E E E A G S V A M A V D T I I F V H E K L S A S H C F V T S S P A N H I A A N W R T Y S G M Q D Q Y K V K R I I S H P D
UniRef90_H2RJC7 UniRef90_R0LF20 UniRef90_UPI0003502D9E UniRef90_UPI0003F182B7 UniRef90_UPI00046282FF UniRef90_UPI0003F11813 UniRef90_UPI000388CAD0 UniRef90_UPI000388CAD0 UniRef90_G1M7A3 UniRef90_F6YJN1 UniRef90_B4P5X3 UniRef90_B4P5X3 UniRef90_UPI0003333AEA UniRef90_UPI0003333AEA UniRef90_G1Q7U6 UniRef90_H2M4P7 UniRef90_H2M4P7 UniRef90_B1EV1 UniRef90_L8IEV1 UniRef90_L8IEV1 UniRef90_F7FNB0 UniRef90_F7FNB0	LT A A H C F R S Y S N P Q Q WT T F G V S T R S P R L R V R V R T I S I H N N T A A H C F D N N K N P K L W M V S F G T T L N P P L M R R N V Q L I I I H E N L S A A H C F N Q T K P G F A G S T L L S V S E S G S V K A G I R R V L P H P S L S A A H C F N K K N N S E D W T V N F G T V I N K P Y R T K V Q N V I S H E N L S A A H C F M T S W L T Y S G M N D Q Q K E E K D V Q M R E V K T I I T H M N V T A D H C N C N L G N I S V V A H N F E I D E L D T Q T L W V R R R I S H P D L S A A H C Q T R S L R V R L G E H N L R K R D G P E Q L R T V A R I I P H P R V S A A H C Y Q A S I Q V R L G E H N I A L S E G T E Q F I N S A K V I R H P S W T A A H C T R G Q N P G Q M K A I V G T N D A G N G Q A F S I A Q F I I H P C V T A A H C T R G Q N P G Q M K A I V G T N D A G N G Q A F S I A Q F I I H P C V T A A H C F R T N A N P R Q W T L S F G T T I N P P M K R E V R R I I M H E K L T A A H C F R T N A N P R Q W T L S F G T T L S P P M R R R V Q A I V L H E N V S A A H C F Q G L R P Q N I Y D F K Q N S T S R Q T R D F N V S R I R Q H R E L T A A H C F D N I W R I Y G G I L N L S E I T T E T S F S Q I K E I I V H P N F T A A H C F R T N N R I Y R V A L G K H N L E V E D E I V D V D T I Y V H E K L T A A H C F R T N N R I Y R V A L G K H N L E V E D E I V D V D T I Y V H E K L T A A H C F R T N N R I Y R V A L G K H N L E V E D E I V D V D T I Y V H E K L T A A H C F R T N N R I Y R V A L G K H N L E V E D E I V D V D T I Y V H E K L T A A H C S T P D E P L T D G Q N T Q N G S N P N E V T R T V A D T L C H P D

QUERY UniRef90_Q3UN88	90 100 110 120  Y N S A P N L H D I M L L K L E K K V E L T P A V N V V P L P S P S D F I H P G  Y N F Y S N L H D I M L L K L Q K K A K E T P S V N V I P L P R P S D F I K P G  Y N G F T V R N D I M L L K L K E K A N L T L A V G T L P L P S Q S N F V P P G	)
UniRef90_UPI00045E25D5 UniRef90_P18291 UniRef90_H0XIR7 UniRef90_UPI00038EFD78 UniRef90_UPI0003344E10	Y N S K T I   S N D I   M L	
UniRef90_UPI000388C38F UniRef90_I3NHJ9 UniRef90_UPI00033375C3 UniRef90_UPI000328AD72	Y D A H Y F Y N D L ML L EL E K R A S L N P A V Q P L K L P R G K D K V K P G Y N P F T L R N D L ML L K L E F K A K L T L A V G T L P L P S F P N F V P P G	
UniRef90_UPl0003F14714 UniRef90_L5M2A0 UniRef90_UPl00042AADF9 UniRef90_UPl0003C4BD8F	Y D K K T H V N D I M L L Q L E K R A K L T N A V D L L Q L P K T E T Q I T P G F D Y I L A H H D I M L L K L N E K A N L T L A V G T L P L P P Q F N F I P P G Y N K O K K L N D I M I L K I E K K A K R T K A V R P I N I P R R R V R V K P F	
UniRef90_UPl0003AFE5B8 UniRef90_UPl00046C2282 UniRef90_U3CU20 UniRef90_UPl00022CE03E	YNSETCANDLMLLQLKRKAKMTAAVSTIGLPSGSDTVNPGFNDATFENDIMLLQLKDKAKLTQAVGTISLSQREVKKKDEYKSATHENDIALVRLENNVTFTKDIHRVCLPATTQNSPPGYNPETHENDIALVQLNREVTFTKNIHSVCLPATTQNSPPGYNPETHENDIALVQLNREVTFTKNIHSVCLPATTQTLPPG	
UniRef90_G1MBP2 UniRef90_UPI0002C65A06 UniRef90_UPI0003F0A249 UniRef90_K7FPE0	Y D K K T H V N D I M L L Q L E K R A K L T N A V D L Q L P K T E T Q I T P G F D Y L A H H D I M L L K L N E K A N L T L A V G T L P L P P Q F N F I P P G Y N K Q K K L N D I M L L K L E K K A K R T K A V R P L N L P R R R V R V K P E Y D Y Q T M D H D I M L I K L A H P V Q P D T N V K P I P L P T A C P A A G A S Y N S E T C A N D L M L L Q L K R K A K M T A A V S T I G L P S G S D T V N P G F N D A T F E N D I M L L Q L K D K A K L T Q A V G T I S L S Q R E V K K K D E Y K S A T H E N D I A L V R L E N N V T F T K D I H R V C L P A T T Q N S P P G Y N S F T K L N D I M L L K V Q T K A K L T H V V G T I S L P T W S T F T P P G Y N S R T M D N D I L L I K L A S R A V I N A Q V S T I S L P S A S A A A G T V F I D A T S G N D I M I L Q L K T K A Q L T P A V G L L P L P G D S D Q V R P G F N Q K T L K N D I M L L K L E R E A K Q T A A V R P L R L P T G K T R V R P G Y N P K N Y S N D I M L L K L E R E A K Q T A A V R P L R L P T G K T R V R P G Y N P K N Y S N D I M L L K L E R E A K Q T A A V R P L R L P T G K T R V R P G Y N R D T L D N D I M L I K L S S P A V I N A R V S T L S L P T A P P A A G T E	
UniRef90_UPI0002C5849B UniRef90_Q7Z5F4 UniRef90_H9J2E2 UniRef90_K7F7Z3	Y N P K N Y S N D I ML L K L E R E A K Q T A A V R P L R L P T G K T R V R P G Y N R D T L D N D I ML I K L S S P A V I N A R V S T I S L P T A P P A A G T E Y M S R G F R N D I A L L R L E R G A M A R L R P A C L P P A Y H M P P P G R Y N K N T F N N D I ML L Q L A K S A E L N D V V D T I P L P E E D D T V E L G	
UniRef90_UPI00038EFAD5 UniRef90_UPI0004544D0C UniRef90_UPI00046B95E4 UniRef90_U4UQ95	Y I P H N F S N D I M L L Q L K R K A K L T K D V Q P L R L H E D M T Q V N P G Y N V Y T L D Y D V A L L E L S T P V R F T S V M K P I C L P D H S H L F S E G Y K Y P S H D Y D I S V A E L S S P V P Y T N S V H R V C L P D A S Y E F H P G F R R V G F Y N D I A I L K L D R P A R K S K Y I I C V P P P E L E Q E Q F A G	
UniRef90_F6QWU1 UniRef90_F7EM73 UniRef90_H0WDE1 UniRef90_UPI000328A342 UniRef90_B4M4Q3	Y D Q Q T N L N D I M L L Q L E N S A R L N R N V R P I T L P L T P T R P S P G Y N S F N I D N D I M L I K L E T P A E L S S R V A T V S L P S D C A P A G T S Y V K G E H H D D I A I I R L T E K V V F K N D V H R V C L P E A T Q T L L P G Y D E N T L S N D I M L L Q L E R K A K W T A A V R P L S L P R S Q A Q V R P G F S R L G F Y N D I A I L V L D K P V R K S K Y V L P V C L P M P P K E R L P G	
UniRef90_UPI00046C1574 UniRef90_UPI000333E184 UniRef90_UPI0003C42518	Y D A A T F E N D L A L L E L E S P V K F D A H I K H E Y C L P R D G E D F T G Y N S D T A D F D V A V L E L S R P L P L G R Y I Q P V C L P A A S H L F L P S Y N S P A H D Y D I A V A E L A R P V P Y T N A V H R I C L P D A S H E F H P G	
UniRef90_B5DZ08 UniRef90_UPl000203A52A UniRef90_O96899 UniRef90_UPl00046BCD7C	F D P R T F E Y D L A L L R F Y E P V V F Q P N I I P V C V P E N D E N F L G F N P K T F H N D M A L L E L S S P V S P S P W V T P V C L P E H P T E L D T G Y V Y S T L E N D I A L L K L A E P L D L T P T A V G S I C L P S Q N N Q E F S Y N P S I L D F D V A V L E L S G P L V F N K Y I Q P V C L P L A I Q K F P V G Y N W E T K I N D I M L L Q L Q C K A E S N G Y V G L L S L P A A P Q R V R P G Y N S V T F N N D I C L L Q L S S P V T F N N Y I S P V C L A A S D S I F Y S G	
UniRef90_K7FPM6 UniRef90_UPI0003EBC1DE UniRef90_A0A026WVM2 UniRef90_G3VWU4	Y N W E T K I N D I M L L Q L Q C K A E S N G Y V G L L S L P A A P Q R V R P G Y N S V T F N N D I C L L Q L S S P V T F N N Y I S P V C L A A S D S I F Y S G F Y S S A L I R N D I G L I K L D R D I V F G D K V P I N L P A K N F D K F D Y N Y T L D Y D V A L L E L S A P V K Y T S V I K P I C L P D H S H L F P E G Y D S N T I N N D I S L L Q L A E T V S F T T Y I Q P V C L A A P E S T F H T G	
UniRef90_UPI000298BFE2 UniRef90_UPI00022B6D09 UniRef90_UPI00022F4982 UniRef90_F6XF31	Y D S N T I I N N D I S L L Q L A E T V S F T T Y I Q P V C L A A P E S T F H T G Y H K D T N D N D I A L A Q L A T R V E F S N V V Q R V C L P D S S M K L P P K Y N S K T K A N D I M L L K L E R Q A Q L S K A V N I I D L P K S Q D L V K P K Y N L Y T L D Y D V A L L E L A G P V R R S R L V R P I C L P E P A P R P P D G Y K Y P S H D Y D L S V A E L S S P V P Y T N A V H R L C L P D A S Y E F H P D	
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UniRef90_Q16QB1 UniRef90_E2B751	S S I T D N M V C A GE G G K D S C S T N R P M H V C T L N E G I S S C Y T I T K N M F C H K R G R V D T C V Q K T H I C T L T K E G E G V D S C I S S R M L C A G F P Q G G V D S C I S S R M L C A G F P Q G G V D S C I S S R M L C A G F P Q G G V D S C I S S R M L C A G G P Q D A C V S A S E I C V G D P K I H K A S F G V L E T M V C A G G D G V V S G C I T G N M I C A G L T E G G K D S C I T D G M I C A G D S N G A D S C I T D G M I C A G D S N G A D S C I S V G A D S C I S	HGDSGGF	L V T N D V Q V G I V S F G R
UniRef90_UPI0003C85512	I S S R M L C A G F P Q G G V D S C	SGDAGG	LACRWVLTGVTSWGY
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UniRef90_UPI00046B1FDC	VSASEICVGDPKIHKASF	KGDSGG	L V C D N V G E G I I S Y G E
UniRef90_UPI000395B735 UniRef90_I3JSI0	GV L E T MV C A G G D G V V S G C	QGDSGG	MVSVWVQAGVVSFGT
UniRef90_F1PC51	I T G N MIL C A GL T E G G K D S C E V T D G M I C A G V P Q G G K D S C S V K T N M V C A G G D G V T S S C I T P R M M C V G Y L S G G V D A C K I T D V M I C A G A S G V S S C D I T E H M L C V E S D R R R D S C R G D T L M C A G F P D G G K D A C R G D T L M C A G F P D G G K D A C I T S S M L C A G H P E G G V D S C I T N N M M C V G Y M E G G K D S C I T N N M C C V G Y M E G G K D S C I T N N M C C V G Y M E G G K D S C I T E N M I C A G S L Q G G R D S C I T E N M I C A G S L Q G G R D S C I T E N M I C A G S L Q G G R D S C I T E N M I C A G S L Q G G R D S C I T E N M I C A G S L Q G G R D S C I T C A G S L Q G S L Q G S L Q G S L Q G S L Q G S L Q G G R D S C I T C A G S L Q	QGDSGG	VCGGVLQGITSWGS
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UniRef90_P00764	I T N N M M C V G Y M E G G K D S C I T E N M I C A G S L Q G G R D S C	QGDSGGF	PVV <mark>C</mark> NGMLQGIVSWGY PLVCNGTLQGIVSWGM
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UniRef90_UPI0003D0E4A2 UniRef90_G3NG42	L I T S R M C A G N L N G G I D A C	QGDSGG	LACRWYLAGIVSWGE
UniRef90_UPI0003C46164	DC	AGDSGGF	L V C G Q K A Q G I V S W G S
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UniRef90_G3P432	VTDHMLCAGDUKGGRDSC	QGDSGGF	PEV <mark>C</mark> QWYEVGI TSWGS
UniRef90_H9G8R3 UniRef90 W4W558	HKKMF <mark>U</mark> AGFPSEGGKDA <mark>C</mark>		Y   L V   C Y Y N   L   N G   I   S W G F P   L V   S N G   V   O   I G   I V   S F G R
UniRef90_UPI0003C2A304	YRLKDCMVCAGAKGASSC	MGDSGGF	L VCQWTLVGI VS WGS
UniRef90_UPI0001DE7529 UniRef90_UPI0003890A82	NEEYN <mark>L C</mark> AGHKEGKI DS <mark>C</mark> KYQTMM <mark>C</mark> VGDPKTRKDSV	, Q G D S G G F VK G D S G G F	PIL VIC G K T A Q GII VIS W G S
UniRef90_G7PYG3	QITDGMVCAGSSKGADTC	QGDSGG	L V CNGALQGI TSWGS
UniRef90_UPI00039464D1 UniRef90_UPI0003BBE4DE	A G T I H T H N I C A G Y E Q G G R D A C I S E N M I C A G A K N G G K D S C I T E S M I C A G A K N G G K D S C I T E S M I C A G A K N G G K D S C I T E S M I C A G A K N G G K D S C I T D H M L C A G D L K G G R D A C I T E S M I C A G A K E G K C D S C I T E S M I C A G A K E G K C D S C I T E S M I C A G S F H Q L R G G R D S C I T E S M I C A G S F H Q L R G G R D S C I T E S M I C A G F L T G K K D D S C I T E S M I C A G F M S G E A D A C I T E S M I C A G F M S G E A D A C I T E S M I C A G F M S G E A D A C I T E S M I C A G F M S G E A D A C I T E S M I C A G S F M S G E A D A C I T E S M I C A G S F M S G E A D A C I T E S M I C A G S F M S G E A D A C I T E S M I T E N M I C A G S F M S G E A D A C I T E N M I T E N M I C A G S K Y K K S D S C K Y T S T M L C A G S K Y K K S D S C K Y T S T M L C A G S K Y K K S D S C K Y T S T M L C A G S K Y K K S D S C K Y T S T M L C A G S K Y K K S D S C K Y T S T M L C A G S K Y K K S D S C K Y T S T M L C A G D L K G G K D S C T S T M L C A G D L K G G K D S C T S T M L C A G D L K G G K D S C T S T M L C A G D L K G G K D S C T S T M L C A G D L K G G K D S C T S T M L C A G D L K G G K D S C T S T M L C A G D L K G T S T M L C A G D L K G G K D S C T M T M T M T M T M T M T M T M T M T	0 Q G D S G G F C Q G D S G G F	Y L V C R WYL A G V V S F G Y
UniRef90_UPI00026552FD	VSSGMICAGFLTGKQDAC	KGDSGG	L VNT X YLLGI TS WGL
UniRef90_E9Q409 UniRef90 UPI00046B4DAE	N S IL P MIL C A G F Q E G K K D A C N G P G M L C A G L P O G R V D A C	NGDSGG QGDSGG	Y L V C D WI Q A G V V S W G S
UniRef90_H0WMM0	VDKTMLCAGFMSGEADAC	QNDSGG	LAYLWHL VĞI VS WĞQ
UniRef90_UPI0001CE2353 UniRef90_UPI00033166A0	Y	, Q G D S G G F K G D S G G F	
UniRef90_W5LR38	DNQVTSTMFCAGYEKDSC	QGDSGG	FVSRYRLLGVVSWGT
UniRef90_Q7QIM7 UniRef90_K7IQI1	I KILIGY I YNILIN QGFILI <mark>C</mark> DA <mark>C</mark> GGI VDSFILI <mark>C</mark> AGFAARDS	, K G D G G G F S G D S G G F	Y L V C E W Q V V G V V S W G I
UniRef90_UPI0003DF4F4B	KUTENMICAGSLPGEDTC	KGDSGG	PL VYNNVQLGI VS WGH
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UniRef90_UPI0001DE9CAE	ADDH GIKPLISE AMICSK	ŢŢĘŢŴŎMŒ	QL C
UniRef90_A7VMR9 UniRef90_UPI000440EE4C	I T R R M M C A G Y M D G G R D A C L T N T M F C A G Y L S G G I D S C V T E E M I C A G Y E Q G G I D T C I Q Q D M V C A G Y V K G G M D A C D N S T Q L C V G N P K E K K A T A	NGDSGS QGDSGG	' L
UniRef90_W4ZJS5	VTEEMICAGYEQGGUDT	QGDSGG	PLTCRWHLVGATSFGY
UniRef90_L5KI51 UniRef90_UPI00022F4984	L Q Q D M V C A G Y V K G G M D A C D N S T Q L C V G N P K F K K A T A	, Q G D S G G F \ D G D F G G F	FIVIC N GIVIA O GILIVIS O H H
UniRef90_F6XTL2	IYPSMICAGYATGQIDSC		

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UniRef90_UPI000333041F UniRef90_UPI00046B1FDC UniRef90_UPI000395B735 UniRef90_I3JSI0 UniRef90_F1PC51 UniRef90_UPI00038E984F UniRef90_UPI00038E984F UniRef90_D2GUX2 UniRef90_UPI0003331F9A UniRef90_UPI000337197B UniRef90_UPI00038721DA UniRef90_UPI00042BFC6E UniRef90_G3QCN8 UniRef90_P00764	C C H V A         C C H V A	RENKLGGRQSKRGRE	P F F F F F F F F F F F F F F F F F F F	GGGTGGGSGASGGGG	>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	YY <mark>C</mark>	TTTTATTTATTTTT	>>_>>\\_\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	ATSSSCCSSTSARSCH	A	R R L L Q L Q L R M V S L S V	GDSDSDSDDPDDSSS	W   1 W   1	Q Q K T K R T T V Q T L L T V Q A E Q K E S K R S E Q S E E Q E E Q E Q E Q E Q E Q E Q	Q I I I R N
UniRef90_UPI00042BA36B UniRef90_UPI0003D0E4A2 UniRef90_G3NG42 UniRef90_UPI0003C46164 UniRef90_UPI0003346AFD UniRef90_UPI00035A1F1B UniRef90_UPI00035A1F1B UniRef90_UPI00035A1F1B UniRef90_UPI00035A1F1B UniRef90_UPI08C3 UniRef90_UPI08C3 UniRef90_UPI08R3 UniRef90_H9G8R3 UniRef90_W4W558 UniRef90_UPI0003C2A304 UniRef90_UPI0001DE7529 UniRef90_UPI0003890A82 UniRef90_UPI0003890A82 UniRef90_UPI0003890A82	C	NELNARKDNGGSRA	RRFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF	GGAGGGGGGDGG	>>>>>>>>>>>	<b>YYYYYYYYYY</b>	TAATTTTTTTTST	V	TCSTSQSTHGASQS	A	YTLQHYLLLTKRT	DSPKSNEDPDEPEP	W   1 W   1	Q E T M K S K T	N I R I Q S
UniRef90_UPI00039464D1 UniRef90_UPI0003BBE4DE UniRef90_UPI00026552FD UniRef90_E9Q409 UniRef90_UPI00046B4DAE UniRef90_UPI0001CE2353 UniRef90_UPI00033166A0 UniRef90_UPI0003UDI0003UDI0003DF4F4B UniRef90_UPI0003DF4F4B UniRef90_UPI0003C455F9 UniRef90_H3CQQ3	DDGDDGGGGGKGG CCCCCCCCCKXCC		PKKRPKPQKVYP	000000000000	>>_>>>>>>>	YYYYYYYYYF	ATTTTTVATVTTT	_>>>>>>>	SMTSTTPPSATSS	V	L R R R T T L L L R V	PPDSNHEEPDPDS	W I W I W I W I W I W I W I W I W I W I		IN IN I IH IR
UniRef90_UPI0001DE9CAE UniRef90_A7VMR9 UniRef90_UPI000440EE4C UniRef90_W4ZJS5 UniRef90_L5KI51 UniRef90_UPI00022F4984 UniRef90_F6XTL2	GCA GCA ACC CTC	G G A R G N	K F P F R F	G G G E	>>>>	Y ' Y ' F	T R T R T L T R	V I T	TA	AF QF SY SF	T Q A	D P S P	WI FI WI WI	L S E I	

UniRef90_T1GR22	1 VGGFNDUTRVPYQVSIQ NTWGAHY <mark>C</mark> GGSLISRYFV
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UniRef90_UPI0003891957 UniRef90_M3XQZ6	
UniRef90_UPI0002654421 UniRef90_Q4VBJ5	V V   G G     N A R P G E F P W     G S   L   R D D G S E R G D F F C G A T   L I   T S Q W V   V     G G E   L A K P H S W P W Q L   S   L H Y Q Y D G K Y R H Y C G G T   L I   K P G W V
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UniRef90_W5K3Q7 UniRef90_UPI00046C216D	
UniRef90_UPI000393E9A9 UniRef90_Q07943	I I GGVE A ALG R W P W Q V S L Y Y S N R H T C G G S I I T S Q W V I V G G E D L V L T E A P Y Q V S V M F R G A H S C G G T L V A A D L V
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UniRef90_UPI00046C0507 UniRef90_UPI0004423666	I V G G K V S K P H S K P Y M A S L Q Y Q E K H S C G G I L I R K D F V V V G G N I T K V H E F P W A G L G K G G E F H C G A T L I T R R H L I V G G H E A R P H S K P Y A A A L K V D G S F G C G G F L I A P Q W V
UniRef90_Q5MPC8 UniRef90_UPI00046B90EC	I L G G E E A S L G E F P H M V A L G F D N G G G E Y R F C G G S L I S N Y Y V I V G G D P S G V H E Y P W M V R L S Y F N Q F Y C G G T L I N D R Y V
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UniRef90_F1Q314 UniRef90_UPI0004445237	I V S G Q D A Q L G Q W P W Q V S L R E N G E H V C G G S L I A E D W V I V G G T E A V N G A W P W Q V S L Q L Y S Q H V C G G A I I S P S W I V G G Q D A G R G R W P W Q V S L R H D G A H L C G G S L L A S D W V
UniRef90_UPI0003C2ACF6 UniRef90_K7F391	I VGGQDAGRGRWPWQVSLR HDGAHLCGGSLLASDWV I VGGWEARPHSRPYMAYLYNKDGEEPLH CGGFLVAMCPP
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UniRef90_I3JFI9 UniRef90_G1PSH4	V   G   G   W   E   A   P   H   S   R   P   M   A   Y   L   Y   I   K   D   G   E   P   L   H   C   G   G   T   L   N   R   R   W   W   G   T   H   C   G   A   T   L   N   R   R   W   W   G   T   D   T   G   G   G   G   G   G   G   G   G
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LIn:Dafoo LEIZ 100	I VGGLPAPERKWPWQVSLQV NDKHLCGGGSLIGKQWV I VGGQVSREGEWPWQVSLHLK GTGHVCGASVLSNRWL I VNGVETTLEKRPYQVSLQ DANSGNHFCGGSIISEDLV I VGGKEAPGSKWPWQVSLRVKHQY WEHFCGGSLIHPQWV I I GGQEVIPYSIKYQVSLQF GGYHYCGGTLIRPQWV I VGGHEAASGSVPHQVSLQL KGFGHYCGGGSLIHPQWV
UniRef90_B0WAK4 UniRef90_S9XL55	I V G G H E A A S G S V P H Q V S L Q L K G F G H Y C G G S I I A D R WI I
UniRef90_UPI0003500F28 UniRef90_T1KZH2	I VIGGONSPPGKWPWMVSLQSPTGKEFSHLCGGSVLNELWV
UniRef90_M3ZP83 UniRef90_UPI000383C61C	UVGGVDAHÜEEYPWQVSUKU NGGHRCGGSUVSSRWI
UniRef90_H0XB89 UniRef90_G3T346	I I GGQEVI PYSI KYQVSL QF GGYHYCGGSL I RPQWV I VGGHEAASGSVPHQVSL QL KGFGHYCGGSI I ADRWI I I NGEDCHPHSQPWQAALFLEDE LFCGGVL VHPQWV I VGGQNSPPGKWPWMVSI QSPTGKEFSHLCGGSVL NEI WV I VGGVDAQKGAFPWQV MFWDVNRKSFCGGALL NERWI LVGGVDAHIEEYPWQVSL Q NGGHRCGGSL VSSRWI LVGGVDAHIEEYPWQVSL KL GGHHFCGGSL VSSRWI I TGGSSANPGQWPWQVSI TY DGVHVCGGSL VSEQWV NTVPGEWPWQASVR RQGLHVCSGSL VADTWV I VGGTQVRTNKYPWIAQML RASQLFCGGTL I NDRYV
UniRef90_B4J070 UniRef90_V4AY71	TVGGTQVRTNKYPWTAQML RASQLFCGGTLINDRYV
UniRef90_Q17BG4 UniRef90_W8CCS2	NT VP GE WP WQAS VR RQGLHVC SGSL VADT WV IV GGT QVRT NKYP WI AQML RAS QLF CGGT LINDRYV IV DGKPAEE GQFP WQVS LQV LVP GGWAHVCGGS LISKNRV IV GGHNADP NE WP WI AALF NNGRQF CGGS LIDNVHI IV GGT SARDINIPYLVS LRTFN FHI CGGS LINELT V LNGK DCQP QT QP WQAALFLRPN RLYCGAVLVHP QWV
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UniRef90_H3AFF0 UniRef90_D6WWR4	I V G G V N A R R G E W P W Q A S L Q L R G E H M C G G T L I G D K W V I V G G K D A T A G A W P W M V S I Q M P G W N G H R H S C G G S L L E K R W V V V G G E E P P Y G A V P W Q V E L R L G Q R H Q C G G A L I A R R L V
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UniRef90_T1GR22 UniRef90_I3KW04 UniRef90_W5L4A0	$M \subseteq \Delta \Delta$	50 60 70 80  CVD N N P D P K E V I I F M T N R T A R G I K I R A R K I V Q H Q N  C F S F S S S P S R W K V F Q G A N P N K V S R N V A K I I L H P N  C F Q D S W R A F L G M R V M N T A S N A A A T R O I R R I V O H A Q	
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UniRef90_M3ZG05 UniRef90_UPI00046C0507 UniRef90_UPI0004423666 UniRef90_Q5MPC8	L I I A A	C V Q S F W T I V A G D H D R T L K E S T E Q V R R A K H V V V H E D C K A Q G D M T V V L G A H D L R K K E K S Q Q R I K V A K F C P H S C V N G F A V N E F H D R D S Q D R F S T I I V R G V K G I K E H E A C N G G I S V I L G A H D L D A V E N T Q Q V I G V E R Y Y Q H P S Y C I D T A D R E P P V V N I G G P A W D D E T D Y R V A E T I L H P N	
UniRef90_UPI00046B90EC UniRef90_W5K9T7 UniRef90_E2BDT5	LITAA	CVKGFFWPLIKVTFGEHDYCNATRKPETRFVLRSI CFYMDAKLWRVYTGVSSQDKLREPHYIKKI LLHDQ CVKGFMWFMIKVTFGEHDRCLEKGAETRYVVRIMD CNVKNYHRVVGEHDRSSNSEGVQVMTVGQVFKHPR	
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UniRef90_E2A4P8 UniRef90_C3ZNE9 UniRef90_UPI0003C10AB3 UniRef90_UPI000443BD13	VTAA	CAWNNY WGNAT WVRQTNDDAMPQDIRI AERIKHPE CIVNGQWVVLGDHDRRKSTKAKQTVKI QRVFKHPH CQGSLCRSINVTLRAHNIMDRERTQQVIPVRRPHP CIMGHYTSKVGDUKVQHTSRMAVTQVPIRDUVIHKD	
UniRef90_H2UD15 UniRef90_D3TR36 UniRef90_L5KJ89	T A A H	CIMGHYTSKVGDIKVQHTSRMAVTVPIRDIVIHKD CRADQWEVFLGLHEQSQTNEWTVRRSVKRIIAHHD VTGSNPSQLKVRLGSTYNNEGGIVVGVKALKYHEK CVGPDFKNPTDLRVQLREQHLYYRDPISRIIVHPE	
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UniRef90_H0XB89 UniRef90_G3T346 UniRef90_B4J070 UniRef90_V4AY71	L S A A L T A A L T A A	CFSSNKELSRWTVMSGETYTTLGGSSVDKIIIHDQ CLIGLNEKQIGEYNLFQKDKEEQNIPVSKIIIHPE CFPRNHLKEYGAHQLDIYSEDNNFIGVKEIITHDS CFEKADSWSVVLGSLQQQGLSPGAEEVGVAELQLP CVHEMDMSTVSVQLDRSSTHVGVTRSVAFAHPHAG CYDSSLHPDYNPELVATPND	
UniRef90_Q17BG4 UniRef90_W8CCS2 UniRef90_UPI000443195F		CL VA T D A R DL QVH T K S R S S H E GV L VIS VA A L HY D R R	
UniRef90_UPI00027F8B5D UniRef90_UPI000265270F UniRef90_B0WE92		CIFGKDIDPSIYRIHAGDVYLYGGRNVSRVIVHPD CVGAFDTITVGISLLNGNTSYQHTSSLEITSHPNF CTFNKNATIVGVRAGSSFHATGGOVIVKAVHSHPF	
UniRef90_UPI0004439DBA UniRef90_K7J4K9 UniRef90_R0JA89 UniRef90_UPI00042BA0EA	L T A A V T A A L S A A	CRKPQYLVHLGEHNLQRPDGCEQTRTATQSFPHPGCTYKKSHLTVRTGARYSSEEGH RHKIAKIIEHPECLDRPHHVTVGDFDKYRRELHEQKIGVERSWTHPHCFIGKDTRDSSSWNVVLGRPGIVRNVSEIITHEK	
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UniRef90_W5L4A0 UniRef90_UPl0004628198 UniRef90_UPl000333999C UniRef90_UPl0003339941	Y D Q F T S D Y D II AL L EL S A P V F F N D L V Q P V C V P A P S H A F T S G Q Y Q R L G H N D II AL I EL D Q P V A C N D F II Q L A C L P D E H II I F T A L Y Q S S N H N H D I M L L EL Q S P V Q L T N R II R II L P L S H N N C L P Q G T
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UniRef90_Q4VBJ5 UniRef90_Q5QBG0 UniRef90_B0WIS4 UniRef90_G1TZK8	N N Y T G D G Y D   A L L
UniRef90_E9GI06 UniRef90_H3AJF8 UniRef90_I3J3P5	YNSNTFANDI ALLKLSSPLDYSTGKVGAINLPAQIETGTTYEEYTSDYDI ALLELSVPVLFNDFVQPICLPVGPQSYYFGYNQMTSDYDI ALLELSEPLQFANTI QPICLPDSSHVFPAG
UniRef90_UPI000333E7B8 UniRef90_E1BQ07 UniRef90_UPI000393F20B UniRef90_H3CB18	F S L E T F A N D I ML L Q L K E K A M L T K E V Q I L Q L P S R N S Q V M P G Y S P A R E Y D I A V V Q F S P R V S F T D D I R R I C L P E A S A S F Q P N Y N S R T I D N D I M L I Q L S Q P A T L N S Y V Q P V A L P S S C A P A G T M Y D T S T N D N D M C L L K L S A P V S S T E Y I S P L C L A A A N S T I L S G
UniRef90_M4AQC9 UniRef90_C1BKZ0 UniRef90_C3YGA3	WNSFFIRNDVALVKLEAPVEFSDTVHPACLPADGFILPHN YNYQTMDHDIMLMKLAHPVTLNKFVQPIALPKACPKAGEM FDLPSYRNDVALIKLPRRAMLNEIANLVCLPDGNMAASRQ
UniRef90_UPI0003EACD8D UniRef90_H3B697 UniRef90_UPI000443C825 UniRef90_W5K3Q7	S F N K K T F N N D I AL VEL T S P V V L S D R V T P V C L P S G E E P A V G Y S S Y N L D N D I M L I K L S R P V E M N Q R V R P I S L P R S C A P A G T M Y S T Q T H V N D I M L V R L S S L A R P S A K V Q M V N L T S R C A P P G T K Y N K Y K Y A V D I M L L K L K S N A T L N K F V K V V E L P K K K G K T P A S
UniRef90_UPI00046C216D UniRef90_UPI000393E9A9 UniRef90_Q07943	Y N P A S K D N D I M L T K L L I P A N F N K N V Q P L E L P I S C S S G E E Y N H R T H D S D I A L M K L R T P F N F S D T I R P I C L P Q Y D Y A L P G G F N F A S M D N D I A I L W L P K P V M F G D T V E A I E M V E T N S E I P D G
UniRef90_H3A8Q2 UniRef90_UPI00032B0FB7 UniRef90_UPI0004439030 UniRef90_G3QAX6	F N A Y L A L S Y D I L L Q L H A N L T F G K M V R P V C L P Q K D E K F A E G S H A N T T E H D L L L L Q L A E K A L L G P A V R L L P W Q R Q D R D V A P G Y N E I T H D Y D I A L L E L E E V L T W S N T L Q P I C L P S P S H V F L A G Y D K S A Y D N D I A L L K L A K P V V L S N R R R P I C L D F T E N L S R E S
UniRef90_B4N136 UniRef90_UPI0003DF5FD5 UniRef90_UPI0002652BF2	F K P P A MY A DI AL V KL N T V V V F N N DI R P A C Y Q Q Y D T V P A Q Y F S T T G G D DI T L L R F S E AIV V F N D V R P I CL P S N V S E T O I Y
UniRef90_E9H0K2 UniRef90_F6ZA93 UniRef90_F7GSL4 UniRef90_M3WZ58	F D S V S F Q N D I A I L K L A V R V E F T A E V Q P I C L P M D P N K N Y V R L K N D L V G G D I A L V E L G R A V D K S G W N K D I Q L P E A M A Q L T K G Y N P G T L D F D L A V L E L A S P L A F N K Y I Q P V C L P L A I Q K F P V G F D S R S F D S D I A L I Q L S S P L A F N S F V R P A C L P E S T E P L F S S
UniRef90_M3ZG05 UniRef90_UPI00046C0507 UniRef90_UPI0004423666	F D S R S F D S D I AL I Q L S S P L A F N S F V R P A C L P E S T E P L F S S S F S G K F D F D I ML L K L Q N N A T K N K Y V K P L D L P K K A K S V S D K F D A F S Y N N D I AI I E L D E P V D F D A H V Q T A C L P V T G N E D Y S G A I V G G I P F N D I L L K L R R E A E L N E Y V Q V I P V P K T M D D L P K N Y T R R E K Y H D V A L L R L D R P V Q F S S T L N A V C L F S S N E N P T S K
UniRef90_Q5MPC8 UniRef90_UPI00046B90EC UniRef90_W5K9T7 UniRef90_E2BDT5	YTRREKYHDVALLRLDRPVQFSSTLNAVCLFSSNENPTSK FSYLNFQNDLALLRLNDRVPMSATIKPVCLPTDTNDTYSN YNKDTNDYDIALLKLSSPAELSSTVNPACLPAFDKNFPFG FSFLNFDNDIALLRLNERVPLSDTIRPICLPSVLDTQYIG
UniRef90_P47796 UniRef90_H3CQQ4 UniRef90_F1Q314 UniRef90_UP10004445237	YNGFTINNDILLVKLATPATLNMRVSPVCLAETDDVFEGG YDPDKNDYDIALMRLSSPITIGVSQRPVCLSPEGFGLAAG YSEKLGTGDIALVQLASPVNFTDLLLPVCLPKPGDPLGNG
UniRef90_UPI0003C2ACF6 UniRef90_UPI0003C9CF0A UniRef90_UPI000359CF0A	PNSEENADDI AL VRL AVPVT FT E YVQPVC L PVR GQHL VD G YNKDTLKNDI ML QL KEEATLNEL V GTI TL PHANERVEP G KYVQSYPHDI AL LKL SSPVNYNNYI QPI CL LNST FK FENR
UniRef90_M3WMG5 UniRef90_I3JFI9 UniRef90_G1PSH4	F N M F T I N N D I T L L K L A T P A R L S Q T V S P V C L P N A K D S F P A G Y N A E T N D Y D I A L M R L T R P I T V S D I R R P V C L P P K D Y I I T A G E K K A V G G A D V A L L K L E A P V Q P S N L V R W R L P P A S S A V P P G
UniRef90_E2A4P8 UniRef90_C3ZNE9 UniRef90_UPI0003C10AB3 UniRef90_UPI000443BD13	YNDDTL VNDI AL LKL QSAVSV QPVCL PDPAKEDPAG EYNETGANDI ML LQL MRKANVTTTGSPI SL PRDWDTVNPG YDAFSSFRHDI ALAL LDFVNYSRHI QPVCL PEKSFMVQND
UniRef90_H2UD15 UniRef90_D3TR36 UniRef90_L5KJ89 UniRef90_UPI0003EACAAC	Y N P F T Y S N D I AL ME L D A N V T L G Q N I WP I CL P S P T Y H F P V G Y D R D L L WY D I AV L K L E K P V K Q S S T I R Y I E M A K K V P K T G T P Y Y A L Q A G P D I AL L E L E D P V N I S C Q V Q L V T L P P A S E T F P P G E N A P T E O N D I MILLEL N K P A F I N G P V Q P A L L P L S C S V P P G
UniRef90_B0WAK4 UniRef90_S9XL55 UniRef90_UPI0003500F28	YNRPQFHNDI ALIRLKSKLQFSDTVKALGYSEKTVGQDEH YNKPFFANDLMLIELKESVSWSDTIQNISIASQCPTPGDS YNPTTEANDITLLRLDKPIVFTDYVQPACFPTEFANVEKK
UniRef90_T1KZH2 UniRef90_M3ZP83 UniRef90_UPI000383C61C UniRef90_H0XB89	YTRREKYHDVALL RLDRPVQFSSTLNAVCLFSSNENPTSK YNKDTNDNALALL RLNDRVPMSATIKPVCLPAFDYLGG FSYLNFQNDLALL RLNDRVPMSATIKPVCLPAFDYLGG FSYLDTQYLGG FSFLNAYDI ALL KLNSRPVPLSDTTIRPLCLPSVLDTQYLGG FSFLNANDI ALL KLNSRPVPLSDTTIRPLCLPSVLDTQYLGG YNGFTINNNDI LLVKLNERVPLSDTTIRPLCLPSVCLAETDDVFEGG YNGFTINNNDI LLVKLATPATTLNMRVSPVCLSPEGFGFLAAG YSEKLGTGDI ALVQLASSPVNFTDLLLPVCLPNARGQHLVDG FDTKTNAYDI ALLVKLAVPVTFTDLLLPNARGQHLVDGG FDTKTNAYDI ALLVKLAVPVTFTDLLLPPNARGQHLVDGG YNKDTLKNDI MLLQLKEEATLNELVGTILLPHAANFKFENAG YNKDTLKNDI MLLQLKEEATLNELVGTILLPPKSSSAVLDPAAG YNKDTLKNDI MLLQLKSSPVNYNNYNVI QPPI CLLNSKFENAG YNAETNDYDI ALLKLARFNYNNYNNYI QPPI CLLPPKDYGLPPKDYGU YNAETNDYDI ALLKLARFNYNNYNNYI QPPI CLLPPKDYGU YNAETNDYDI ALLKLARFNYNNYNNYN QPPI CLLPPKDYGU YNAETNDYNDI ALLKLARFNYNNYN QPPI CLLPPKDYGU YNAETNDYNDI ALLKLARFNYNNYN QPPI CLLPPKDYGU YNAETNDYNDI ALLKLARFNYNNYN QSSTI RYI EMAKKVPPKTPFG YNAETNDYNDI ALLKLARFNYNNYN QSSTI RYI EMAKKVPPKTPFG YNAETNDYNDI ALLKLARFNYNNYN QSSTI RYI EMAKKVPPKTPFG YNAETNDYNDI ALLKLARFNYNN QSSTI RYI LPPLASGOQDGDK YNPFTYSNDI ALLKLARFNYNN QSSTI RYI LPPLASGOQDGDK YNPFTYSNDI ALLKLARFNYNN QSSTI RYI LPPLASGOQDGDC YNPFTYSNDI ALLKRARFNYNN QSSTI RYI LPPLASGOQDGDC YNPFTYSNDI ALLKRARFNYN QSSTI RYI LPPLASGOQDGDC YNPFTYN QSDCCOLPPROND QQDGDC YNPFTYN QSCCCOLPPROND QCCCOLPPROND QCCCOLPPROND QCCCOLPPROND QCCCCOLPPROND QCCCCOLPPROND QCCCCCCCCCCCCCCCCCCCCCCC
UniRef90_V4AY71	
UniRef90_Q17BG4 UniRef90_W8CCS2 UniRef90_UPI000443195F UniRef90_UPI00027F8B5D	F D S R T L Y N D V A V L T M D Q P V Q F S K S V R P I C L P A U G E S V L D T Y T R P A H S N D L M L I K L N G R V S M T P S I K T I K I S T Q P P R P G T Q F S V F F L G G D I A L L K L A T S V R T T K T L A P V A L P S A S L E L T E S T S T S G G D D I A V L K L V D P I P A F S D F L R P A C L A T V G D E I N N Y Y N S G N Y D F D F S L L E L G E A V Q F G E G V Q P I V L V E D E P S D E E L F N P N K D H R N D I M L V K M T T A A L I T R A V Q P L T L S P H C V S A G T S D F C S C S C S C S C S C S C S C S C S C
UniRef90_UPI000265270F UniRef90_B0WE92 UniRef90_UPI0004439DBA	T S T S G G D D T A V L KL V D P T P A F S D F L R P A C L A T V G D E L N N Y Y N S G N Y D F D F S L L E L G E A V Q F G E G V Q P L V L V E D E P S D E E L F N P N K D H R N D M L V K M T T A A L L T R A V Q P L T L S P H C V S A G T
UniRef90_K7J4K9 UniRef90_R0JA89 UniRef90_UPI00042BA0EA	Y D N T V D N D I AL I K L E T P I E F S E K D R P I G I A K S Y D E P I E G Y D S N D Y N N D I AL L Y L S S D V V F N E Y V L P I C L P S P N L A S E E G Y K D F T K G L D I AL L R L A E P V P F S R D V A P I C L P Y A N H Q F A F G Y D P R T E R N D I AL I E M S Q S V T F N D Y V Q P A C I P T E K M R V D E M F R K L G P Y S H D I A V L L L A D P G L D F N F L V K P A C F A Y D S P P P G
UniRef90_H3AFF0 UniRef90_D6WWR4 UniRef90_UPI00034F9D85	Y D P R T E R N D   A L I E M S Q S V T F N D Y V Q P A C   P T E K M R V D E M F R K L G P Y S H D I A V L L L A D P G L D F N F L V K P A C F A Y D S P P P G Y D S S T K N N D V A L F K L Q T P L T F N D R V K P V C L P N P G M Q L D P K

			130	140	150	160
UniRef90_T		ALATGWGI	( L R E T D D Y	QI P EL L Q G	VNLDTI LLAD	CIKAYGF
UniRef90_I3 UniRef90_V		TDSWVTG\ TT <mark>C</mark> FVTG\	NGAIVIK EGIV NGVIIT EEG	P F P Q T L Q E [	V E V P V V G N R Q	CNCLNGT
	JPI0004628198	THCYIGG	WGEREKTI	ĸŸŦĠĿĹQĖ	ATVSIINHK <mark>C</mark> SKVSLISNEN ANIQLRSDEE	CNTYEWN
	JP1000333999C	C C R V S G W	STTSSPQV	NYPKILQ <mark>C</mark>	ANI QLRSDEE	CRQVYPG
	JPI0003339041 JPI0003C3AB40	ARCLAMG V	RTRHGQS	TVPSILQE	LNVTVVTSQ <mark>C</mark> VDVEVLSNDR	CQRWFRA
UniRef90_C	3U7D1	CILLIS G WG I	A T Q PLI IIV	Y P D P II IQ C II I	DAPILLIS DSIVI <mark>C</mark>	RNAYPGK
UniRef90_N	//7C7X6 JPI0003891957	TKCWVTGV	WGDVKGGG	K G P E T L Q K	LEVPIIAQAS NIPILSNAE <mark>C</mark>	CDALYCR FGSYPGM
UniRef90_N		C C RIVIS G W	TTTSPOIV	TYPOTIIOC.	A NII IQIL IR S D E E	C C Q V Y P G
	JPI0002654421	RRCLVAGN HTCYITGN	NGAÎSEĞĞ NGRTQTGG	DISETLQK	AVVNLLDQER AYLPVVDYET	
UniRef90_C		HTCYITG\ TEFVTTG\	NGET MNPY	ESSDQLRG	A Y L P V V D Y E T V T V P I V D H E K	C S H S D WW C K K E F A E
UniRef90_B		TLCEVTGV	NGNTQSVS	ESRANLRA	VTVPIVDHEK AYVPAYNQNQ VELPIIHRQA	CNSAYAR
UniRef90_E		PSCWVTGV	WGKESIDN TTDAGGGG	N H P S D L Q E L	V E L P I I H R Q A A A V P I V S N S D	CNSMYGG
UniRef90_F		NICYITG	WGL L R E N G	LLAKVLQE	A A V P I V S N S D A K V K V I D Q T C L V K I I N D S V C	N K L Y D D T
UniRef90_I3	3J3P5 JPI000333E7B8	MSCWVTGV VVCQVAGV	NGREGAGQ	GAQLLQKA	L	DVVTEGQ
UniRef90_E		STVYITGI	GALFYGG	ESQNDLRE	A R L K I I S D D V	CKQPHVY
	JP1000393F20B	CTVS GWG!	NT MSSTAN	ESQNDLRE QDRLQCLN	I P I L S Y S D C	NNSYPGM
UniRef90_H UniRef90_M		APCFVTGV	NGKAANG <u>V</u> NGRILIYTGG	PII IA DII LIQQ	V E V P I V G N N Q A L L P V V D H A T	CSQSDWW
UniRef90_C	1BKZ0	CVVSGWGI	N    Y T D S V F	NPFN L QC V	D V  <mark>P</mark>  I V SKED <mark>C</mark>	DINYPGQ
UniRef90_C	3YGA3 JPI0003EACD8D	DGSCVTTC TPCSVAGV	WGDILGT WGSILYFDG	GGEGVLKQ PSADVVME	L F L P L I P T Q K A K V P I L S Q N T	CNSTNFY CKSALGK
UniRef90_H	13B697	CO VIS G V	NG D T FILID G	MPADIIOCII	DII I <mark>P</mark> II I IT D R K C.	DNSYPGM
UniRef90_L UniRef90_V	JPI000443C825 V5K3O7	CIVSGWGT	I T S P D V S	FPKKLMCT OFSNVIE	DISLISPODO TSVTLSDSEC NVSIFSKELC	K K V Y K D L G R V W Q N Y
UniRef90_L	JPI00046C216D	CVISGWG	TKSPQLY	FPPVLHCG	N V S I F S K E L C	RSLY WQN T
UniRef90_L UniRef90_C	JPI000393E9A9	TQCWISGV	NGYQPDGV	HSPDTLKE	A P V P I I S T K K V I V P K I N E A A V D L P I L D D L I	CNSSCMY
UniRef90_C		TLCVATG	NGRTTEKG	NLAVVLQE	V D L P I L D D L I	CSDVFPP
UniRef90_L	JPI00032B0FB7		WGIVII) S H A G	RRPDHIKH	VICH PIVI IN RIK	CNVRIVIHH
UniRef90_L UniRef90_C	JP10004439030 330AX6	STSLVSGV	NGREGALA NGNI RTTG	SILIP S MILIQE	ATVKLINDTV LEVPYVDRTV VELQLED <mark>C</mark> AA	C
UniRef90_B		PAVVŤGW	TTCYLFC	SSPNTLLE	VELQLED <u>C</u> AA	DTFKYGE
	JPI0003DF5FD5 JPI0002652BF2	GWVTGWGN RRCYAAGN	//TEFN GE	K Q S D Q L Q K	A F L D L I D N V A V L L G S I E N D A	CAMRHNQ
UniRef90_E		SNPFVAG	WGATSFNG	PSSLTLRE	VQI PVVT QES	CKESYKN
UniRef90_F		MPCWVTG	NGY IIGEKD	PPRTLQE	VQIPVVTQES AQVPIFNTSV ASVGIIDQKT	CKKNYFK
UniRef90_F UniRef90_M		FII CAIVII GI	// (i S     S  = (i (i	GILARRICUL	I QV L V L E R E V	CEHAYHS
UniRef90_N	/13ZG05	LKCLVAG	WGKTGPSE WGRLGEKD	PDSKVLKE	I Q V L V L E R E V G T E R T L P D C E	KIWGDHF
	JPI00046C0507 JPI0004423666	TKCFIVIAGI	NGRIIDATY	NPTPKILIFF	VAVPVWSKED TNVTALGRRK	C L Q F D P E
UniRef90_C	25MPC8	LT LT GWG	R T S N T R D I W G T L Y E N G	KSSKLLKA	D V	GESYTNW
UniRef90_L UniRef90_V	JP100046B90EC	GVGKVAGV	WGILIYENG FGTVFGSD	SPSCHLRQ	V D V P I I D N K E	CAKINYI CNGSDVY
UniRef90_E	2BDT5	TNATASG	V Ğ T L Q E D G	KPSCLLQE	V   E   V   P   V   M S   L   Q E	<pre>C R N T S Y M</pre>
UniRef90_P		MKCVTSG\	NGLTRYNA	ADTPALLQ	Q A A L P L L T N E	Q C K K F W G
UniRef90_F UniRef90_F	1Q314	TWCWVTG	VGNI AANQ	PPFTLKE	ASVPLVDQAQ VNVPLIDTQT	CDAYYQE
	JP10004445237	SEAWITG	WGQLYPSG	PSPDTLHQ7	AQVIIYSKDI	CNNRYVL
UniRef90_L	JPI0003C2ACF6 (7F391	TLCSVAG	WGNIQYYG GGTWPDGA	SYRGTLQE	V D V V V M P D A A	C P R N P D W
UniRef90_L	JPI000359CF0A	TDCWVTG	VG DI G E D E	PSPYTLQE	VQVALINNSM	CNHMFKQ
UniRef90_M UniRef90_I3	//3WMG5 3.1F19	TYMTVTG	WGLIKHIN WGYORFNG	A Q I P D R L Q P	QAALPLISNI ANVPLIAOSA	CSSYTILY
UniRef90_G	S1PSH4	TRCWVAG	WĞHÎ A T GE	PPPHNLÖE	VEVPIVADET	C Ř Q Q Y G
UniRef90_E UniRef90_C	2A4P8	NKAVASG	WGL VD WGD	TRSDNLLKU	VITILIKIL VIDIH A T	C N A S F WE
UniRef90_L	JPI0003C10AB3	MĽČŚVVG	WG <mark>C</mark> LGVDT	PCPNKLQE	VELEVQRED <mark>C</mark>	SSRYPYY
UniRef90_L UniRef90_F	JPI000443BD13	K E C WV T G	NG RLEEK D	K E P V N L R E	APILISII ARHEK	CSKTRRT KTI MSDE
UniRef90_C	3TR36	AVVSGWG	TK <mark>C</mark> F VSC	PLSPVLME	A Q V T I Y S K D I A A M P I I S S T V V D P A A A V P I I N N S M Q A A L P L V A D E T V A N M P L V D D S C A P L S I A R H E K A A V R I N S T V C V E V T F L E R E D V K V P I V E N S T V C A A N W P L V D B C C A P L S I A R H E K A A V R I N S T V C C A P L S I S N D E C K L S S I S N D E C K	CKTYLYG
UniRef90_L	5KJ89	TPCWVTG	NGDINSGE	PPPFPLKQ	VKVPIVENSI	CDSKYHT
UniRef90_L UniRef90_B	JPI0003EACAAC 80WAK4	VTLTGWG	RTSAGGPV	PTKLQTID	A N V Q V M E H K C L S S I S N D E C K	QRSPGAG
UniRef90_S	9XL55	<u>CLV</u> SGWG!	KLMNG	RRPKVLQC	A N V Q V M E H K C K S I S N D E C K V N I S V V S E E C C A R V H Q I D S N K T A N I E M I D R N T T Y E V P I M D D R R T T T V P I I S R E T T T V P I I S R S D A R V P I I N Q E C V N L P I M S H E A V K V P A L P D E C C A V K V P A L P D E C	KAVYASV
UniRef90_L UniRef90_T	JPI0003500F28 1K <i>7</i> H2	I D Y Y II A G \	WGFSSLAG WGQI KFNG	P Q P R Y I I Q E	A K [V]H Q I  D S N K I R M P I V D H F T	C N S K D W Y
UniRef90_M	13ZP83	APVVVSGV	WĞÜLRENG	ĸŨsŦŢĹŎĸ	ANTEMIDRNT	CSS TY AT
UniRef90_L UniRef90_F	JPI000383C61C	I F C M A S G \	NGKLISETS NGHPSWGL	EYSNILQE	VEVPI MDDRR	C G A ML R G
UniRef90_G	3T346	CWATGWD	Q G T N D S T C	YPPR <u>T</u> LRN	LRLISRPT	CNCLYNR
UniRef90_B	34J070	QRALVAG	WGLSHEGG	SISSVLQE	TTVPLITNAQ	CRYKSMI
UniRef90_V UniRef90_C	14A 1 / 1 Q17BG4	TAT VIG	WG S L Q E N G	P Q P S I L Q F	V N L P I WS N S D	CSRKYGP
UniRef90_V	V8CCS2	DVALVAG	ŊĠŸŔŢPŸ <u>Ğ</u>	PGSYVIQY	ARVPI IN QEC	NKQLEGS
	JPI000443195F JPI00027F8B5D	ULVSGWG	IIS SPQV	HYPQVLQ <mark>C</mark>	L N I I I M S H E A	C F R OII H R
UniRef90_L		Ř <u>TČ</u> Ý 🗀 Á G V	WGDT <u>T</u> EGG	SÜSNDLQQ	AVVGLIPDEC VPLVNRTECA	GSAYR <u>SF</u>
UniRef90_B	80WE92	SLVSGWGI	D T R S L E E S	RQF L RA VV	V P L V N R T E <mark>C</mark> A A N I N I <u>I</u> E H E <mark>C</mark>	EANKDIL
UniRef90_C UniRef90_K		L L MRVT G	GK[ SENG	DTSSILKS	AYVPI MNQEK	C E K A Y F L
UniRef90_R	20.1A89	TVGMVSG	WGATHGRG	STERFLMK	AYVPI MNQEK VRLPI VS MDM	CQQATDR
UniRef90_L UniRef90_F	JPI00042BA0EA I3AFF0	SKUWAIG\ KHCYVTG\	WGKIVIKEDM WGVTKFSF	KASDI I OF	V G L D L L S A E T A N I N L I S Q S L A A V P L L S L E T	CNSSNWY
UniRef90_D	6WWR4	TWCEVSGV	WGASDPKA	PDSPVLRS	A A V P L L ŠĒĔŦ	C R K R Q Q P
IniDatOO I	JPI00034F9D85	QQCWISG\	NGATYEKG	KTSDLLNA	A S   V   P   L I   E R S T	<pre>C N H K Y F Y</pre>

		170	180		190 200
UniRef90_T1GR22	<u>D</u> K [ Q R E	NICAYTSG	K D T C Q G D S	G G P L V Y Q	GELLGVVSWGA
UniRef90_I3KW04 UniRef90_W5L4A0		CAGVLAGG CAGNIQGG	V D V C D C		
UniRef90_VV3L4A0	628198 NTKIKE	DONICESKS	V D R C Q G D G	GSPLMCR	FWVIGINSWVT
UniRef90_UPI0003	33999C KITANN	<u>VCGTPEGG</u>	K D S C E G D S	GGPLVCN	GTLYGI IS WGC
UniRef90_UPI0003 UniRef90_UPI0003	339041 NVC C3AB40 LHDVFL	D D N I C E S K S M V C G T P E G G C T L V P R R R R C A G Y K E G G	R D S C O G D S	G G P L V C N	GLVQGIDSFG <mark>C</mark> KTLIGLVSWGI
UniRef90_G3U7D	I TRNMI	CVGFLEGR	K D S C Q G D S	GGPTVCN	GELQGI VSWGY
UniRef90_M7C7X6 UniRef90_UPI0003	B I Q E D M L	. CAGYAKGG	K D A C Q G D S	G G P L V C K	WVQAGVVSWGE
UniRef90_M3XQZ	KITPNN	A G S K E G G	K D S C E G D S	GGPLICN	GTLHGIISWGC
UniRef90_UPI0002	2654421 NTDNMI	CAGYERGI	DTCQGDS	GGPLTCR	WHLVGATSFGD
UniRef90_Q4VBJ5 UniRef90_Q5QBG	O VTPRMV	CAGYPDGG	K D S C Q G D S	G G P L T H N	GTL VGL VS VGY
UniRef90_B0WIS4	Y G G V T G	RMLCAGYQ	K D A C Q G D S	GGPLVAN	G E L Q G I V S W G Y W V Q A G V V S W G V S W G V S W G V S W G V S W G V S W G V S W G V S V S V S V S V S V S V S V S V S V
UniRef90_G1TZK8 UniRef90_E9GI06		. <mark>C</mark> AGDIRGM SMLCEVAGG	K D S C Q G D S	G G P L S C D	NVI VGV VS WGN
UniRef90_H3AJF8	VTPRM <u>N</u>	ACAGNLYGG	V D A C Q G D S	GGPLACK	WFLAGIVSWGE
UniRef90_I3J3P5 UniRef90 UPI0003	VTSRML 333E7B8 NSAIQN	_	V D A <mark>C Q G D S</mark>	GGPLSCF	WFQAGIVSWGE NVVQAIV <mark>C</mark> SGS
UniRef90_E1BQ07	GSDLKF	G M M C A G Y L C A G Y L E G G	Y D A C R G D S	GGPLVDT	WYL I GI V S WG D
UniRef90_UPI0003 UniRef90_H3CB18	B93F20B I T D S M F	F_ <mark>C</mark>	K D S C Q G D S	G G P V V C K	G E L Q G I V S W G Y  W V Q V G V V S F G I
UniRef90_M4AQC		IV C A G G D G V	V A G C N G D S	G G P L N C Q	WEVHGIVSFGS
UniRef90_C1BKZ0	I S D T ML	CAGYPEGG	K D S C Q G D S	GGPLVCN	GELQGI VS WGY
UniRef90_C3YGA: UniRef90_UPI0003	BEACD8D E L V T N T	- MFCYLSGG	UDSCQGDS	G G F L T C C	FQLYGITSWGR
UniRef90_H3B697	I T S N M F	CAGYLEGG	K D S C Q G D S	GGPVECN	GELQGVVSWGY
UniRef90_UPI0004 UniRef90_W5K3Q	43C825		K N A <mark>C</mark> N G D S N T F C O G D S	G G P L V C N	TKPSGIAIYTC
UniRef90_UPI0004	6C216D YTENML	CĂĞVLEĞĞ	DS <mark>Č</mark> QGDS	G G P L L CN	GKLQĞİVSWG <mark>C</mark>
UniRef90_UPI0003 UniRef90_Q07943	893E9A9 NGERML	. CAGYTEGK	V D A C Q G D S K D A C Q G D S	GGPLVLK	
UniRef90_H3A8Q2	<u>LD</u> DSMI	CAGFPDGG	RDACKGDS	ĞĞPFVCL	WTLMGITSWGM
UniRef90_UPI0003 UniRef90_UPI0004	32B0FB7 DVSER <u>N</u> 1439030 QQSRML	MMCAESQRR	K D T C R G D S	G G P L V C G	GVVEAVVTAG <mark>C</mark> WFQAGIVSWGE
UniRef90_G3QAX	PITSGN	MUCAES GRAGI CSGFLRGG MFCAGFRNE MVCAKAEK CAGDHSGWN	V K D S C G P H	ATNYKGT	WFLTGI VS WGE
UniRef90_B4N136	AKILPT BDF5FD5 TPNMIC	M <mark>VC</mark> AKAEK	K D A C Q G D S	GGPLVAN	N Q L V G V V S W G N
UniRef90_UPI0003 UniRef90_UPI0003	BDF5FD5 TPNMI <mark>C</mark> 2652BF2 IIPSKI	CAGYSAGG	Y D S C Q G D S	GGPLSCR	FQVLGITSFGQ WHLVGITSYGT
UniRef90_E9H0K2	FKTVVV	DQSVKDAC	QGDSGGPL	MIPDKDR	FYLLGVVSFGY
UniRef90_F6ZA93 UniRef90_F7GSL4	I N D D M L S L T D R N	. <mark>C</mark> AGYKKGK ML <mark>C</mark> AGFEGR	V D A C Q G D S	G G P L A C N	FYLAGI VSWGN
UniRef90_M3WZ5	HPGGIT	ERMICAGE	K D F C Q G D S	GGPLVCR	HVLYGIVSWGA
UniRef90_M3ZG08 UniRef90_UPI0004	KSQQM <u>II</u> 16C0507 ISFNMF	_CIIFNKKD CAGEPEGE	G G L C Q G D S K D A C Q G D S	GGPLICK GGPLHVD	F Y L L G V V S F G Y WT L V G V V S W G N F Y L A G I V S W G A K K L Q G I T S G H C M E I I G V V S W G R G V A H G I V S Y G F R M E I I G V V S W G R G V A H G I V S W G H W Y L T G V T S W G H W Y L T G V T S W G N W T L V G I V S W G V V S W G V W M L V G I V S W G Y W W L I G I T S W G Y W W L I G I T S W G Y W W L I G I T S W G Y
UniRef90_UPI0004	423666 L T D G M L	. CAGRRSVL	C D V S N G D S	GSALVCN	GVAHGIVSYGF
UniRef90_Q5MPC UniRef90_UPI0004	BRAGEMI LGB90FCGDIITE	ACAGDPKGV NMLCAGHE	R D T <mark>C</mark> Q G D S M D S C O G D S	G G P L Q L M	Y R L V G V T S F G R
UniRef90_W5K9T7	KGRISA	IN M M C A G D L	QDS <mark>C</mark> QGDS	GGPLVCQ	WYLTGVŤSWG
UniRef90_E2BDT5 UniRef90_P47796	I S D N ML	. CAGYPEGK	K D S C Q G D S	GGPLIAK	Y E L I G V V S W G N
UniRef90_H3CQQ	4 IT PRMI	CAGFLQGG	V D A C Q G D S	GGPLVHF	WHLVGVVSWGV
UniRef90_F1Q314	$\begin{array}{ccc}  & N & S & N & P & S \\  & & & & & & & & & & & & & & \\  & & & &$	Q E P L L F E D	MLCCGGDS	GGPLVCD	WTQAGIVSWGY WWLJGITSWGY
UniRef90_UPI0004 UniRef90_UPI0003	C2ACF6 GNQIRF	RMFCAGRE	EDACQGDS	G G P F V C R	WRLAGVVSWGT
UniRef90_K7F391		PATMMCVG	WGMEEGDS	GGPLVCG	GTAQGIVSWGP
UniRef90_UPI0003 UniRef90_M3WM0	SS SKITNL	. MVCAGASG	V S S C M G D S	G G P L V C Q	WTL VGI VS WGE
UniRef90_I3JFI9	I T N R M L	CAGFPEGK	V D A C Q G D S	GGPLVHN	WNLVGVVSWGV
UniRef90_G1PSH- UniRef90_E2A4P8	H NIVIIQDL DSSNKV	VQI CAGEVG	RDT <mark>C</mark> QGDS	G G P L V C M	YNI I GI T S F G R
UniRef90_C3ZNE9		ACTGYREGG	V D T C Q G D S	GGPVVVF	PYLAGVIŚWGY
UniRef90_UPI0003 UniRef90_UPI0004	H43BD13 LVQKGT	VCAYSSMG	K D A <mark>C</mark> Q G D S	G G P L V C F	YNQIWIVSWGI
UniRef90_H2UD15	V E G MĒ	CAGVLKGG	V D A C Q G D S	GGPLSVT	VF LAGV VS WGN
UniRef90_D3TR36 UniRef90_L5KJ89	E QII K E I GIL Y T F F	MIV GYAKE NVRI VRDD	N D A C Q G D S M M C C Q G D S	G G P L V C K	WLQAGVVSWGD
UniRef90_UPI0003	BEACAAC TTYNMĪ	CAGSSTGG	KDSCRGDS	GGPLLCN	GL LEGI VS WGL
UniRef90_B0WAK UniRef90_S9XL55	+ NVDEGF Y H P S ME	CAGGGODO	E G A C N G D S K D S C H G D S	G G P L V C N	GYLQGLVSFGC
UniRef90_UPI0003	3500F28 <u>İĞEYNL</u>	CAĞHEK <u>ĞĞ</u>		G Ğ P L M C K	ŢQVŸĞĪŢŠWĞŠ
UniRef90_T1KZH2 UniRef90_M3ZP83	A   V   T H N N MILSORN	A F C Y A Q E I I	G D A <mark>C</mark> K G D S V D S C O G D S	G G P F V D R	WYLLIGII VISWGE WYLVGVVSWGD
UniRef90_UPI0003	83C61C MNRDML	CASFPDGE	K D A C Q R D S	ĞĞPLŽCŘ	WVLĀĞITSWAA
UniRef90_H0XB89 UniRef90_G3T346	NAKPEE I HORMI	CAGAGPGV	V C A C Q G D S	G G P V I C H	WYLAGI VSWGD WVQAGI ISFAS
UniRef90_B4J070	V D T M L C	A G Y V Q M G G	RDACQGDS	ĞĞPLIVP	FRLAGVVSFGY
UniRef90_V4AY71 UniRef90_Q17BG4		MI CLYDPP	K S S C N G D S	G G P M V C S	G K L A G V T S W G Q
UniRef90_W8CCS	2 <u>VT</u> DRMI	C A G Y A E <u>G</u> G	D A C Q M D S	G G P L V V D	EKĽVGI VSWGV
UniRef90_UPI0004 UniRef90_UPI0002	43195F ALDST	MFCAGDEVG	K D S C Q G D S	G G P V V C N	GYLQGLVSWGD
UniRef90_UPI0002	265270F R A D S MI	CAGYQAGG	VDT CQGDS	G G P L MCR	WHLVGITSFGD
UniRef90_B0WE9	PVTESN	ALCYVEEGG	K D A C Q G D S	GGPLVVD	GQLAGVVSWGN
UniRef90_UPI0004 UniRef90_K7J4K9	DPITKN	NMF CAGDGK	T D A C Q G D S	G G P A V V G	KKI YGI VSTGM
UniRef90_R0JA89	I LT D N N	AFCAGYATE	TADACGPF	VVPYHNT	WTQSWGGY WWLLAGGIVVSSWGGNR WTAQVGGVVSSWGGNR WTAQVGVVSSWGGNR WTAQVGVVSSWGGNR WTAQVGVVSSWGGNR WTLAGGVVVSSWGGNR WTLAGGVVVSSWGGNR WTLAGGVVVSSWGGNR WTLAGGVVVSSWGGNR WYNLLVGGVVISSWGGNR YNLLAGGVVVSSWGGNR YNLLAGGVVVSSWGGNR YNLLAGGVVVSSWGGNN WYNLLVGGVVISSWGGN WYNLLVGGVVISSWGGN WYNLLVGGVVISSWGGN WYNLLAGGVVVSSWGGN WYNLLAGGVVVSSWGGN WYNLLAGGVVVSSWGGN WYNLLAGGVVVSSWGGN WYNLLAGGVVVSSWGGN WGGNN WYNLLAGGVVVSSWGGN WGGN WGGNVVSSWGGN WGGN WGGNVVISSWGGN WGGN WGGNVVISSWGGN WGGN WYNLLAGGVVITVSSWGGN WYNLLAGGGVVITVSSWGGN WYNLLAGGGIVVTSSWGGN WGGN WGGN WGGN WGGN WGGN WGGN WGG
UniRef90_UPI0004 UniRef90_H3AFF0	I RVNNI	A G Y Q K G G C A G F V E G G	V G P C Q G D S	G G P L M C K	FIVIGNTSWGR
UniRef90_D6WWF	4 LDSML	CAGHL RGG	Į DĀ <mark>Č</mark> ĞĞDS	ĞĞPLVCR	HELTĞLVSWGD
UniRef90_UPI0003	34⊢9D85 NNPAM V	/ <mark> C</mark>	<u>v</u> d S <mark>C</mark> Q G D S	G G P L V T F	WWL LGDTSWGS

UniRef90 (JSW) (JSW) (JSK) (JS		
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UniRef90_M7C7X6 UniRef90_M300269427 UniRef90_M300269427 UniRef90_M300269427 UniRef90_M300269427 UniRef90_M300269427 UniRef90_M300269427 UniRef90_M300269427 UniRef90_M3003942807 UniRef90_M300394	UniRef90_UPI0003339041	
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UniRef90_043NGZE UniRef90_044NBJ5 UniRef	UniRef90_W7C7X6 UniRef90_UPI0003891957	GCAQKPGIVYTKIVCSILLPWIKSTM
UNIRE690_C40K9J5  N T Y K K P T V F T R V IS A Y IL N WI N OLL IS  UNIRE690_BOWIS4  G A N Y P G V Y T R V A A Y IL N WI N Y K S N UN A A A R D WI K S Y N WA A Y R D WI A A Y R D WI K S Y N WA A Y R D WI K S Y N WA A Y R D WI K S Y N WA A Y R D WI K S Y N WA A Y R D WI K S Y N WA A Y R D WI K S Y N WA A Y R D WI K S Y N WA A Y R D WI K S Y N WA A Y R D WI K S Y WA Y WA A Y WA A WA Y R D WI K S Y WA A Y WA A WA Y R D WI K S Y WA A Y WA A Y WA A Y WA A Y WA A Y WA A Y WA A Y WA A Y WA A Y WA A Y WA WA A Y WA WA A Y WA WA A Y WA A Y WA A Y WA WA A Y WA WA A Y WA WA A Y WA WA A Y WA WA WA A Y WA WA WA WA WA WA WA WA WA WA WA WA WA	UniRef90_M3XQZ6	GOPNRPGVYTRVSQYVLWIRDTIR
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UniRef90_G1TZK8 UniRef90_G106 UniRef90_H3AJP8 UniRef90_H3AJP8 UniRef90_H3AJP8 UniRef90_UP1000332F3B UniRef90_UP1000339F3B UniRef90_UP1000339F3B UniRef90_UP1000339F3B UniRef90_UP100034S2B UniRef90_UP1000359E3B UniRef90_UP100	UniRef90_Q5QBG0	N C A N Y P G V Y T R V A A V R D W V K S Y T
UniRef90_E9Gl06 UniRef90_L333P5 UniRef90_L9H000338F3B8 UniRef90_L9H000398F2B8 UniRef90_L9H000398F2B8 UniRef90_L9H000398F2B8 UniRef90_L9H000398F2B8 UniRef90_L9H0003B8B97 UniRef90_L9H0003B8B97 UniRef90_L9H0003B8B97 UniRef90_L9H0003B8B97 UniRef90_L9H0003B8B97 UniRef90_L9H0003B8B97 UniRef90_L9H0003B9B98 UniRef90_L9H0003B9B8 UniRef90_L9H0003B9B8 UniRef90_L9H0003B9B8 UniRef90_L9H0003B8B9B8 UniRef90_L9H0003B9B8 UniRef90_L9H0003B9B8 UniRef90_L9H0003BB8 UniRef90_L9H0003B9B8 UniRef90_L9H0003B9B8 UniRef90_L9H0003B9B8 UniRef90_L9H0003B9B8 UniRef90_L9H0003B9B8 UniRef90_L9H0003B9B8 UniRef90_L9H0003B9B8 UniRef90_L9H0003B9B8 UniRef90_L9H0003B9B8	UniRef90_B0VIS4 UniRef90_G1TZK8	
UniRef90_UP100033578b UniRef90_UP100033578b UniRef90_UP100039520b UniRef90_UP100039520b UniRef90_UP100039520b UniRef90_UP100340AC09 UniRef90_UP1000340C050 UniRef90_UP1000340C050f UniRef90_UP1000340C050f UniRef90_UP1000340C050f UniRef90_UP1000350C056 UniRef90_UP1000350C056 UniRef90_UP1000350C056 UniRef90_UP1000350C0567b	UniRef90_E9GI06	G C A N P P G V Y T R V A S F T N W K T N
UniRef90_UP1000332578 UniRef90_UP1000332508 UniRef90_UP1000331208 UniRef90_UP1000343C98 UniRef90_UP1000343C98 UniRef90_UP1000443C825 UniRef90_UP1000443C825 UniRef90_UP100046C216D UniRef90_UP100046C216D UniRef90_UP100046C216D UniRef90_UP100046C216D UniRef90_UP100046C216D UniRef90_UP100046C216D UniRef90_UP100046C216D UniRef90_UP100046C216D UniRef90_UP100046C216D UniRef90_UP100046C216D UniRef90_UP100046C216D UniRef90_UP100046C216D UniRef90_UP1000432806B UniRef90_UP1000432806B UniRef90_UP10004329030 UniRef90_UP100045C967 UniRef90_UP100045C967 UniRef90_UP10004526B6E UniRef90_UP1000452B6E UniRef90_UP10004		
UNIRE690_UPI0003937208 GC_AE_RPGVYTKVO_QDWISGGVT UNIRE690_MAAOC9 GLLGKKR PTVFTQVS_SE_VDWN NTT_M UNIRE690_UPI000343C950 UNIRE690_UPI000343C950 UNIRE690_UPI000443C855 UNIRE690_UPI000443C855 UNIRE690_UPI00046C216D UNIRE690_UPI00046C216D UNIRE690_UPI00046C216D UNIRE690_UPI00046C216D UNIRE690_UPI00046C216D UNIRE690_UPI00046C316D UNIRE690_UPI00046C316D UNIRE690_UPI00046C316D UNIRE690_UPI00046C316D UNIRE690_UPI00046C316D UNIRE690_UPI000432696B UNIRE690_UPI000439030 UNIRE690_UPI000439030 UNIRE690_UPI000439030 UNIRE690_UPI000439030 UNIRE690_UPI000439030 UNIRE690_UPI00043030 UNIRE690_UPI00043030 UNIRE690_UPI00043030 UNIRE690_UPI00043030 UNIRE690_UPI00043030 UNIRE690_UPI0004420366 UNIRE690_UPI0004420366 UNIRE690_UPI0004423666 UNIRE690_UPI0004362667 UNIRE690_UPI0004362667 UNIRE690_UPI0004362667 UNIRE690_UPI0004362667 UNIRE690_UPI0004362667 UNIRE690_UPI0004362667 UNIRE690_UPI0004362667 UNIRE690_UPI0004362667 UNIRE690_UPI0004362667 UNIRE690_UPI0004362667 UNIRE690_UPI0004362667 UNIRE690_UPI0004362667 UNIRE690_UPI0004362667 UNIRE690_UPI0004362667 UNIRE690_UPI0004362667 UNIRE690_UPI000436667 UNIRE690_UPI0004462667 UNIRE690_UPI0004462667 UNIRE690_UPI0004462667 UNIRE690_UP	UniRef90_UPI000333E7B8	K D WK H P Q L Y T K L S P Y L D W L F K T L
UniRef90 H3CB18   GC A		GCAERPGIVIYTKIVII YYKN WI IASKI
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UniRef90_UP10003289549 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP1000380FB7 G_C_A_G_K_Y_G_V_Y_T_R_V_T_M_F_R_E_WI_K_K_E_T_N_UNIREf90_UP10002852FB7 UniRef90_UP1000380FB7 G_C_A_G_K_Y_G_V_Y_T_R_V_T_M_F_R_E_WI_K_K_E_T_N_UNIREf90_UP10002852FB7 UniRef90_UP1000380FB7 G_C_A_G_K_Y_G_V_Y_T_R_V_T_M_F_R_E_WI_K_K_E_T_N_UNIREf90_UP1000380FB7 G_C_A_G_K_Y_G_V_Y_T_R_V_T_R_V_T_M_WI_E_D_I_V_I_W_I_R_R_F_I_A_WI_I_R_R_R_F_I_A_WI_I_R_R_R_R_I_A_WI_I_R_R_R_R_I_A_WI_I_R_R_R_R_R_I_A_WI_I_R_R_R_R_I_A_WI_I_R_R_R_R_R_I_A_WI_I_R_R_R_R_R_I_A_WI_I_R_R_R_R_I_A_WI_I_R_R_R_R_R_R_R_R_R_R_R_R_R_R_R_R_R_	UniRef90_UPI000443C825	G Q P N D P G V Y T Q V  <mark>C</mark> K Y L  K W I  Q D T  I  R
UniRef90_UP10003289549 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP10003280FB7 UniRef90_UP1000380FB7 G_C_A_G_K_Y_G_V_Y_T_R_V_T_M_F_R_E_WI_K_K_E_T_N_UNIREf90_UP10002852FB7 UniRef90_UP1000380FB7 G_C_A_G_K_Y_G_V_Y_T_R_V_T_M_F_R_E_WI_K_K_E_T_N_UNIREf90_UP10002852FB7 UniRef90_UP1000380FB7 G_C_A_G_K_Y_G_V_Y_T_R_V_T_M_F_R_E_WI_K_K_E_T_N_UNIREf90_UP1000380FB7 G_C_A_G_K_Y_G_V_Y_T_R_V_T_R_V_T_M_WI_E_D_I_V_I_W_I_R_R_F_I_A_WI_I_R_R_R_F_I_A_WI_I_R_R_R_R_I_A_WI_I_R_R_R_R_I_A_WI_I_R_R_R_R_R_I_A_WI_I_R_R_R_R_I_A_WI_I_R_R_R_R_R_I_A_WI_I_R_R_R_R_R_I_A_WI_I_R_R_R_R_I_A_WI_I_R_R_R_R_R_R_R_R_R_R_R_R_R_R_R_R_R_	UniRef90_UPI00046C216D	ALPNKPGVYVSVCKYIDWIRETMN
UniRef90_UPI00032B0FB7 UniRef90_UPI00032B0FB7 UniRef90_UPI000439030 UniRef90_UPI000439030 UniRef90_UPI000439030 UniRef90_UPI00043905FD5 GC_GC_GC_GC_GC_GC_GC_GC_GC_GC_GC_GC_GC_G	UniRef90_UPI000393E9A9	GCAEPPGIVIYTKIVIAKEILIGWILIYEMILI
UniRef90_UP1000443903  UniRef90_G3QAX6 UniRef90_UP100032B0F5FD5 UniRef90_UP100032B0F5FD5 UniRef90_UP10003DF5FD5 UniRef90_UP10003DF5FD5 UniRef90_UP10003DF5FD5 UniRef90_UP10003E05BF2 UniRef90_UP10003E06BF2 UniRef90_UP10003E06BF2 UniRef90_UP10003E06BF2 UniRef90_UP10003E06BF2 UniRef90_UP10003E06BF2 UniRef90_UP10003E06BF2 UniRef90_UP10003E06BF2 UniRef90_UP10003E06BF2 UniRef90_UP1000445BD13 U	UniRef90_H3A8Q2	GCAGTPGIVIYSRIVIAYILIMDFII IHQYIVI
UniRef90 G3QAX6 UniRef90 LP10003D75FD5 UniRef90 LP10003D75FD5 UniRef90 LP10003D75FD5 UniRef90 LP10003D75FD5 UniRef90 LP10003D75FD5 UniRef90 LP10003B75FD5 UniRef90 LP10003B75FD5 UniRef90 LP10003B75FD5 UniRef90 LP10003B75FD5 UniRef90 LP10003B75FD5 UniRef90 LP10004B7D5B7 UniRef90 LP10004B7B7B7 UniRef90 LP10004B7D5B7 UniRe	UniRef90_UPI00032B0FB7	GNPKKPGI YTRVASYAGWI DSVL
UniRef90_UP10003DF5FD5 UniRef90_UP10002E62BP2 UniRef90_E9H0K2 UniRef90_E9H0K2 UniRef90_F7GSL4 UniRef90_F7GSL4 UniRef90_M3WZ585 UniRef90_M3WZ585 UniRef90_UP10004EC0507 UniRef90_UP10004EC0507 UniRef90_UP10004EC0507 UniRef90_UP10004EC0507 UniRef90_UP10004EC0507 UniRef90_UP10004EC0507 UniRef90_UP10004EC0507 UniRef90_UP10004EC0507 UniRef90_UP10004EC0507 UniRef90_UP10004EC0507 UniRef90_UP10004EC0507 UniRef90_UP10004EC0507 UniRef90_UP10004EC0507 GC A R K P D V F A R V S V F L D WIL LS K M Q UniRef90_UP10004E05050 UniRef90_UP10004EC0507 GC A R K P D V F A R V S V F L D WIL LS K M Q UniRef90_UP10004E05050 UniRef90_UP10004E05050 GC A R K P D V F A R V S V F L D WIL LS K M Q UniRef90_UP10004E05050 GC A R R P P G V Y T R V A A Y L P WIL LS T M UNIREf90_UP10004E05050 GC A R R P P G V Y T R V A A Y L P WIL LS T M UNIREf90_UP10004445237 UniRef90_UP10004445237 UniRef90_UP100043250F04 UniRef90_UP10003506F04 UniRef90_UP10003506F04 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 UniRef90_UP10003506F08 GC A R K P G V Y T R V I R V K D WIL R V V U I R V K D WIL R V V V V V V V V V V V V V V V V V V	UniRef90_G3QAX6	E <mark>C</mark> A G K Y G V Y T R V A R <u>F   I</u>   A W  I <u>  R</u> R T T
UniRef90_UP10002652BF2 UniRef90_E9H0K2 UniRef90_F6ZA93 UniRef90_F7GSL4 UniRef90_M3WZ58 UniRef90_M3WZ58 UniRef90_M3ZC05 UniRef90_M3ZC05 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP1000442367 GC G R R P P G V Y T R V A A Y L P WI	UniRef90_B4N136	G C A N Y P G V Y A D V A S L R Q WI L A T
UniRef90 F6ZA93 UniRef90 M3WZ58 UniRef90 M3WZ58 UniRef90 M3WZ58 UniRef90 UP10004423666 UniRef90 UP10004423666 UniRef90 UP10004423666 UniRef90 UP10004423666 UniRef90 UP10004423666 UniRef90 UP10004423666 UniRef90 UP10004423666 UniRef90 E2BDT5 UniRef90 E2BDT5 UniRef90 E2BDT5 UniRef90 P47796 UniRef90 P47796 UniRef90 P47796 UniRef90 UP10003C2AC766 UniRef90 UP10003S2AC766 UniRef90 UP10003S2AC766 UniRef90 UP10003S2AC766 UniRef90 UP10003S2AC766 UniRef90 UP10003S2AC766 UniRef90 UP10003C10AB3 UniRef90 UP10003C1AACAC UniRef90 UP10003C1AACAC UniRef90 UP10003C1AACAC UniRef90 UP10003C1AACAC UniRef90 UP10003C1ACACC UNIREf90 UP1000AC1ACCC UNIREf90 UP100AC1ACCC UNIREF90 UP100AC1ACCC UNIREF90 UP100AC1ACCC UNIREF90 UP10AC1ACCC UNIREF90 UP10AC1A	UniRef90_UPI0003DF3FD3	GCGDPPGVYTRVSSFLDFIEDNI
UniRef90_F7GSL4 UniRef90_M3WZ58 UniRef90_M3ZG05 UniRef90_M3ZG05 UniRef90_UP100046C0507 UniRef90_UP10004623666 UniRef90_UP100046B09CC UniRef90_UP100046B09CC UniRef90_UP100046B09CC UniRef90_W5K9T7 GC A R K P P G I Y T K I G N Y L D WV Q D A L M UniRef90_UP100046B09CC UniRef90_W5K9T7 GC A R R P P G I Y T K I G N Y L D WV Q D A L M UniRef90_W5K9T7 GC A R R P P G I Y T K I G N Y L D WV Q D A L M V R V R V R V R V R V R V R V R V R V	UniRef90_E9H0K2	K C A G F P G V Y T R I P F Y L D WI L S K M Q
UniRef90_UP100044C0507 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP10004423666 UniRef90_UP100046B90EC UniRef90_UP589T7 UniRef90_E28DT5 UniRef90_P47796 UniRef90_P10003445237 UniRef90_UP1000342A64 UniRef90_UP1000350F04 UniRef90_UP10003510AB3 UniRef90_UP10003510AB3 UniRef90_UP10003510AB3 UniRef90_UP10003510AB3 UniRef90_UP10003510AB3 UniRef90_UP10003510AB3 UniRef90_UP10003510AB3 UniRef90_UP1000350F28 UniRef90_UP10004439D8A UniRef90_UP1000443195F UniRef90_UP10004439DBA UniRef90_UP10004439DBA UniRef90_UP10004439DBA UniRef90_UP100042BA0EA UniRef90_UP100042BA0EA UniRef90_UP100042BA0EA UniRef90_UP100042BA0EA UniRef90_UP100042BA0EA UniRef90_UP100042BA0EA UniRef90_UP100042BA0EA UniRef90_UP100042BA0EA UniRef90_DD00WW44	UniRef90_F7GSL4	GCAQKPGVYTRIITRLKGWI LETM
UniRef90_UP1000462066		GCARKPDVFARVSVFLDWIQSKI
UniRef90_UPl00046B90EC	UniRef90_UPI00046C0507	GCARPPGIIYTKIIGNYLDWVQDALN
Uniref90		
UniRef90_P47796 UniRef90_H3CQQ4 UniRef90_H1Q314 UniRef90_UP10004445237 UniRef90_UP10003C2ACF6 UniRef90_UP1000359CF0A UniRef90_WSWMG5 UniRef90_MSWMG5 UniRef90_MSWMG5 UniRef90_ISJFI9 UniRef90_ISJFI9 UniRef90_G1PSH4 UniRef90_G2ZAVE9 UniRef90_C3ZAVE9 UniRef90_UP10003C10AB3 UniRe	UniRef90_UPI00046B90EC	GCARPPGVYTRVAKYLPWIKEN
UniRef90_P47796 UniRef90_H3CQQ4 UniRef90_H1Q314 UniRef90_UP10004445237 UniRef90_UP10003C2ACF6 UniRef90_UP1000359CF0A UniRef90_WSWMG5 UniRef90_MSWMG5 UniRef90_MSWMG5 UniRef90_ISJFI9 UniRef90_ISJFI9 UniRef90_G1PSH4 UniRef90_G2ZAVE9 UniRef90_C3ZAVE9 UniRef90_UP10003C10AB3 UniRe		GCGQRPGVYSKVSTLLPWIYSMMQ GCARPPGVYTRVTRYMDWILKN
UniRef90_UP10003C2ACF6	UniRef90_P47796	GTCTPPG V YAR V TE L RAW V DQT I
UniRef90_UPI0004445237 UniRef90_K7F391 UniRef90_WF050352ACF6 UniRef90_UPI000359CF0A UniRef90_UPI000359CF0A UniRef90_UPI000359CF0A UniRef90_UPI000359CF0A UniRef90_UPI000359CF0A UniRef90_G1PSH4 UniRef90_C31PSH4 UniRef90_C32NE9 UniRef90_UPI0003C10AB3 UniRef90_UPI000A1AB3 UniRef90_UPI000A1AB3 UniRef90_UPI00B3C1AAC UNIREf90_	UniRef90_H3CQQ4 UniRef90_F1Q314	DCGKRPGVYINVSVYTTWITSQIQ
UniRef90	UniRef90_UPI0004445237	G C G T K P G M Y T N IV IS F F R E WII IH K Q M Q
UniRef90_M3WMG5 UniRef90_G1PSH4 UniRef90_E2A4P8 UniRef90_UPI0003C10AB3 UniRef90_UPI0003C10AB3 UniRef90_UPI000443BD13 UniRef90_UPI000443BD13 UniRef90_UPI000443BD13 UniRef90_UPI000443BD13 UniRef90_UPI0003EACAAC UniRef90_UPI0004EBAOEA UNIREf90_UPI0004EBAOEA UNIREf90_UPI0004EBAOEA UNIREf90_UPI0004EBAOEA UNIREf90_UPI0004EBAOEA UNIREf90_UPI0004EBAOEA UNIREf90_UPI0004EBAOEA UNIREf90_UPI0004EBAO		DKA PGVYTKI STFI PWI KKTMR
UniRef90_I3JFI9 UniRef90_G1PSH4 UniRef90_C3ZNE9 UniRef90_UP10003C10AB3 UniRef90_UP1000443BD13 UniRef90_D3TR36 UniRef90_UP10003EACAAC UniRef90_UP1000443195F UniRef90_UP100443195F UniRef90_UP100443195F UniRef90_UP100443195F UniRef90_UP100443195F UniRef90_UP100443195F UniRef90_UP100443195F UniRef90_UP100443195F UniRef90_UP100443195F UniRef90_UP1	UniRef90_UPI000359CF0A	G C G R P P G V Y T N I S H H Y N W I R S T M
UniRef90_G1PSH4 UniRef90_E2A4P8 UniRef90_C3ZNE9 UniRef90_UP10003C10AB3 UniRef90_UP1000443BD13 UniRef90_UP1000443BD13 UniRef90_D3TR36 UniRef90_USKJ89 UniRef90_USKJ89 UniRef90_UP10003EACAAC UNIREf90_UP10003EACAAC UNIREf90_UP10003EACAAC UNIREf90_UP10003EACAAC UNIREf90_UP10003EACAAC UNIREf90_UP10003EACAAC UNIREf90_UP10003EACAAC UNIREf90_UP10003EACAAC UNIREf90_UP10003EACAAC UNIREf90_UP10003EACAAC UNIREf90_UP10004EAAA UNIREf90_UP10004EAAAA UNIREf90_UP10004EAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	UniRef90_I3JFI9	GCAGKPGVYSNVEMMLNWIQTVI
UniRef90_C3ZNE9 UniRef90_UPI0003C10AB3 UniRef90_UPI000443BD13 UniRef90_H2UD15 UniRef90_D3TR36 UniRef90_D3TR36 UniRef90_UPI0003EACAAC UniRef90_UPI0004EABACE UniRef90_UPI0004EABACE UNIREf90_UPI0004EABACEA UniRef90_UPI0004EABACEA UniRef90_UPI0004EABACEA UniRef90_UPI0004EABACEA UniRef90_UPI0004EABACEA UniRef90_UPI0004EABACEA UniRef90_UPI0004EABACEA UniRef90_UPI0004EABACEA UNIREf90_UPI0004EABACEA UNIREf90_UPI0004EABACEA UNIREf90_UPI0004EABACEA UNIREf90_UPI0004EABACEA UNIREf90_UPI0004EABACEA UNIREf90_UPI0004EABACEA UNIREf90_UPI0004EABACEA UNIREf90_UPI0004EABACEA UNIREf90_UPI0004EABACEA UNIREf90_UPI0004EABACEA UNIREf90_UPI0004EABACEA UNIREf90_UPI0004EABACEA UNIREf90_UPI0004EABACEA UNIREf90_UPI0004EABACEA UNIREf90_UPI0004EABACEA UNIREf90_UPI000EAEACEA UNIR	UniRef90_G1PSH4	GCGNFPG V YAR V TSF L PW I RRH I R
UniRef90_UP1000443BD13	UniRef90 C3ZNE9	GCGREPGVNVRVSAYVDWIRHITD
UniRef90_L2UD15 UniRef90_D3TR36 UniRef90_L5KJ89 UniRef90_UP10003EACAAC UniRef90_B0WAK4 UniRef90_S9XL55 UniRef90_UP10003500F28 UniRef90_UP10003500F28 UniRef90_UP10003500F28 UniRef90_UP10003500F28 UniRef90_UP10003500F28 UniRef90_UP10003500F28 UniRef90_M3ZP83 UniRef90_UP1000383C61C UniRef90_UP1000383C61C UniRef90_UP1000383C61C UniRef90_UP1000383C61C UniRef90_UP10004389 UniRef90_UP1000443195F UniRef90_UP1000443195F UniRef90_UP1000265270F UniRef90_UP1000265270F UniRef90_UP10004439DBA UNIRef90_UP10004439DBA UNIRef90_UP10004439DBA UNIRef90_UP10004439DBA UNIRef90_UP10004439DBA UNIRef90_UP10004439DBA UNIRef90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREf90_UP10004439DBA UNIREF90_UP10004439DBA UNIREFYD_UP10004439DBA UNIREFYD_UP10004439DBA UNIREFYD_UP1004439DBA UNIREFYD_UP1004439DBA UNIREFYD_UP1004439DBA U		EDGTTPHVYTRTSSFLSWIQTTM
UniRef90_LPI0003EACAAC UniRef90_B0WAK4 UniRef90_S9XL55 GQPSVPPQVYTRVANYMPWIEGIM UniRef90_UPI0003500F28 UniRef90_UPI0003500F28 UniRef90_UPI0003500F28 UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000383C61C UniRef90_UPI000443195F UniRef90_UPI000443195F UniRef90_UPI000443195F UniRef90_UPI000443195F UniRef90_UPI000443195F UniRef90_UPI000443195F UniRef90_UPI000443195F UniRef90_UPI000443195A UniRef90_UPI000443195A UniRef90_UPI000443195A UniRef90_UPI000443195A GCARPPGVYTRVSRVILEWIAAANTQ UNIREf90_UPI000443195A GCARPPGVYTRVSRVILEWIAAANTQ UNIREf90_UPI000443195A GCARPPGVYTRVSRVILEWIAAANTQ UNIREf90_UPI000443195A GCARPPGVYTRVSRVILEWIAAANTQ UNIREf90_UPI0004439DBA AVSRKPGVYTRVSQTYVPWILQQMH UNIREf90_UPI0004439DBA GCARPPGVYTRVSQTYVPWILQQMH UNIREf90_UPI0004439DBA GCARPPGVYTRVSQTYUPWIQEVM UNIREf90_UPI0004439DBA GCARPPGVYTRVSQTYDWIQEVM NIREf90_UPI0004439DBA GCARPPGVYTRVSQTYDWIQEV UNIREf90_UPI0004439DBA GCARPPGVYTRVSQTYDWIQEV UNIREf90_UPI0004439DBA GCARPPGVYTRVSQTYDWIQEV UNIREf90_UPI0004439DBA GCARPPGVYTRVSQTYDWIQEV UNIREf90_UPI0004439DBA	UniRef90_H2UD15	G C A N K P G II IY T Q T T K Y R S W II IR E
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UniRef90_Q17BG4	UniRef90_B4J070	GCAKPPGVYTRVSRYLEWIAANTR
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Gill Cloud of 10000 41 3000 G A K K F G V I G N V I V F A D WI IT R Q W K	UniRef90_UPI00034F9D85	GCAKRPGVYGNVTVFADWIYRQMR

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UniRef90_E9I0V2 UniRef90_UPI0003503119		CVD NVO P M G E Y D D A T D E E E Y P Y D E R K V O T V A S H P (	30 Q R
UniRef90_UPI00042C6E94 UniRef90_UPI000441C046 UniRef90_UPI000332F8B7 UniRef90_G9FKH9	W 5 A A H V T A A H L T A A H T T S N M	CFKNSVNPRQWTVSFGTTINPPMRRNVKRI I VHEFCLEDVADGKLGAHSLSQPEPSKRLYDVLRAVPHPECFPSKYRVHLGEYELPKPAPTMVSSAVSLIVVHPYCDIPNPENFRVQLREQHLYYGDRLLTLSRI I AHPNYPRTSRFTVVTGAHNMRMPEKEKKRI PVSSYYVQNCKKPNLQVFLGKHNLQQRESSQEQSSVVRAVI HPC	N Y
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UniRef90_I3J946 UniRef90_UPI0004423726 UniRef90_Q7YS62 UniRef90_UPI00021A86D8	L T A A H V T A A H L T A A H	CKDETRGSCSVVAHDISKKERTQQCIQVAEYYPHFCGVTTKNVVVGEFDRSSPKEDIQKLAVEKVFVHPCCVGPDIEDFRDIRVQLREQHLYYRDQVSRILPHPYCVGSAPSRYTVRVGSSHKDLGTRYRIKNLIRHPC	) ) Y
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UniRef90_C3W4P8	_	, 
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UniRef90_H2VA77 \\UniRef90_F8U088 \  I	/	<mark>,</mark> }
UniRef90_H3A3R6 I UniRef90_B0WAI9 S	JTERMI <mark>C</mark> AGQLEGGVDT <mark>C</mark> QGDSGGPLL <mark>C</mark> QWMVVGITSFGD	) /
UniRef90_UPI00026572D8 E	VQLTQEYLCAGDGQDSCQGDSGGPLVYFFYLIGVVSFGK	
UniRef90_H3DMP9 L UniRef90_K7JBQ3 I	.  T	) <del> </del>
UniRef90_UPI000359C2D0 (	GGI IT S S ML <mark>C</mark> A G F LK D T <mark>C</mark> QGD S G G P L A <mark>C</mark> I WKL VGT T S F G V	<u>'</u>
UniRef90_Q91Y47 H UniRef90_K7ITX8 F	1	:
UniRef90_F6V9M1 [I UniRef90_H0UYJ3 F	SENMF <mark>C</mark> AGFLEGEKGS <mark>C</mark> KGDSGGPLI <mark>C</mark> NGELYGAVSWGG	}
UniRef90_L5L6K7	H G D L A P G M V C E A K N Q A P C K G D S G G P L V C D K H L A G V L S F S S	<u>}</u>
UniRef90_J9K889 C UniRef90_G3TL05 E	Q	;
UniRef90_H2Z0I9 (	QDILSTQL <mark>C</mark> YQAGGVGS <mark>C</mark> QGDSGGPLV <mark>CKFYLQ</mark> GVTSWRA	<b>\</b>
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UniRef90_F7DXA1 <u>I</u> UniRef90_UPI0003F114C3 F	S	
UniRef90_UPI000443E37D F	RAAMLCTRSGDRRRRGF <mark>C</mark> SADSGGPLV <mark>C</mark> QNRAQGVVSFW <mark>C</mark>	<mark>?</mark>
UniRef90_UPI000440A383   L UniRef90_UPI00026599C0   L	KESM <mark>LC</mark> AGFKEGDKDS <mark>C</mark> QGDSGGPAVSNF <u>E</u> QVGVVSWGK	<u>,</u>
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UniRef90_UPI0002C441C4 S	SQRILCAGFPSEGGKDSCWGDSGSPLACHYAIFGISSWGL	

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UniRef90_UPI000395A83F UniRef90_UPI0003F11F38 UniRef90_H1A7C0	/T A A H C R V Q Y H Y V I L G E H D R G S S A E S V Q V K S I A K A I T H P / T A L H C V V F P T D L S V V L G S N D L R S S S V E I K G V T S I V L H K T A A H C F A D S R N I S I G A T Q L T E P G P G A E V R T I K R L L I H K T A A H C V S R D L G D P R V Q L R E Q H L Y Q D Q L L P V S R I I V H P M T A A H C M S G E T P N V I G D H T R N A A N S V R Q H L D V D K I F V N P T A A H C V D R T P A S N E H N L R D T T E R Y P H E E Y T V R R K L V N E	F
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UniRef90_UPl0003AECE1B         K_D_G_T_P_P_R_A_C_T_K_V_S_S_F_L_P_WI_K_K_I_M           UniRef90_H3BGQ7         G_CANKPGVYARTTELISWVHENM           UniRef90_H5KN17         G_DP_R_GP_GI_YT_LLSKH_LNWI_LKT_M           UniRef90_H0VMN6         S_CGQKPGI_YT_LLSKH_LNWI_LKT_M           UniRef90_A6A5J2         P_V_CNTYGVYASVPELHSWI           UniRef90_B4JVV1         G_CARPPGVYTNVSYFADWI           UniRef90_B4KK98         G_CARPPGVYTNVSYFADWI           UniRef90_UPl000333689B         G_CARPPGVYGRVSYVREWI           UniRef90_UPl000333689B         G_CAGKPGI_YTMVAPTLSWI           UniRef90_UPl0003F0DB1E         G_CAGRPPGVYTNLTEDWY           UniRef90_P49275         G_CARKPGVYTNLTEDWY           UniRef90_P49275         G_CARKPGVYTRVDWW           UniRef90_P7EKL7         G_CARKPGVYTRVDWW           UniRef90_UPl0003C2A870         G_CARKPGVYTRVDWARWI           UniRef90_UPl000443A045         G_CARKPGVYTRVDWARWI           UniRef90_UPl000343FF4         G_CARKPGVYTRVDWARWI           UniRef90_P6SNU6         G_CARKPGVYTRVDWARWI           UniRef90_P6SNU6         G_CARKPGVYTRVDWARWI           UniRef90_P6SNU6         G_CARKPGVYTRVDWARWI           UniRef90_P6SNU6         G_CARAPPGVYTRVDWARWI           UniRef90_P6SNU6         G_CARAPPGVYTRVDWARWI           UniRef90_P78953         G_CAGRPGVYTRVDWAR	UniRef90_K7FWA6	R P G K I P G T Y T R V S A F I G W I H K E M
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UniRef90_B4KK98       G C A N H P G V Y G R V S Y V R E WI R K H UniRef90_H2X2B5         UniRef90_UP1000333689B       G C A Q K P G I Y T M V A P Y L S WI N S I V S Q K P G I Y T M V A P Y L S WI N S I V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L WI Q N V T L L A K Y D L W I Q N V T L L A K Y D L W I Q N V T L L A K Y D L W I Q N V T L L A K Y D L W I Q N V T L L A K Y D L W I Q N V T L R L L L L L L L L L L L L L L L L L		GCARPPGIVIYASIVIPFILIHSWILI
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UniRef90_T1EG34 UniRef90_F6TC15 UniRef90_UPI0003F0DB1E UniRef90_Q16L19 UniRef90_E0VFA7 UniRef90_E0VFA7 UniRef90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREf90_UPI0003C2A870 UNIREF90_UP		
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UniRef90_E0VFA7 UniRef90_UPl0003C2A870 UniRef90_UPl0003C2A870 UniRef90_UPl000443A045 UniRef90_UPl0003945FF4 UniRef90_F6PQ42 UniRef90_F6PQ42 UniRef90_UPl000329C9A2 UniRef90_UPl000329C9A2 UniRef90_UPl000329C9A2 UniRef90_B4J1E5 GCARAPGVYGNLTVFTDUSKHLVWIRMILQ UniRef90_P79953 GCARAPGVYGNLTVFTDUSKHLVWIRMILQ UniRef90_P79953 GCARAPGVYGNLTVFTDUSKYVGNLWIRMILQ UniRef90_P79953 GCARAPGVYASTQYFMDWI UniRef90_P46292 UniRef90_B4LDD4 UniRef90_UPl0002C66327 GCAYPPAAFTKVASYLDWISDWISDWISDWIRMING		RCAAPPGVYMRTTFYKPWLRSVT
UniRef90_UPI0003C2A870 UniRef90_Q8I925 UniRef90_UPI000443A045 UniRef90_UPI0003945FF4 UniRef90_F6PQ42 UniRef90_F6PQ42 UniRef90_UPI000329C9A2 UNIREF90_UPI000329C9		
UniRef90_UP1000443A045 UniRef90_UP10003945FF4 UniRef90_F6PQ42 UniRef90_UP1000329C9A2 UniRef90_UP1000329C9A2 UniRef90_UP1000329C9A2 UniRef90_P6SNU6 UniRef90_P6SNU6 UniRef90_P6SNU6 UniRef90_P6SNU6 UniRef90_P6SNU6 UniRef90_P6SNU6 UniRef90_P6SNU6 UniRef90_P6SNU6 UniRef90_P6SNU6 UniRef90_P6SNU6 UniRef90_P6SNU6 UniRef90_P6SNU6 UniRef90_P6SNU6 UniRef90_P6SNU6 GCARAPGVYASTQYFMDWI GCGGGSPGIFTDIQKLLGWVSSQLN UniRef90_P6SNU6 CDRGYPAAFTKVSWYVNW UniRef90_UP10002C66327 GCAYPPAAFTKVSSYSTE	UniRef90_UPI0003C2A870	GCAGKYGVYTKVSKFQRWLHRFM
UniRef90_UP10003945FF4       G N C H Y P D V Y T D I S K H L Y WI R M L Q         UniRef90_F6PQ42       S C G E K P G I Y T S L A N Y N L WI E K V T Q         UniRef90_F6SNU6       G C A N R P G V Y G N L T V F T D WI Y Q M Q         UniRef90_B4J1E5       S C A G Q P G V Y T N V S Y W A P WI E Y H T         UniRef90_P76953       G C G G S P G I F T D Q K L L G W V S S Q L N         UniRef90_B4LDD4       C D R G Y P A A F T K V A S Y L D WI S D         UniRef90 UP10002C66327       G C A Y P P A V Y A R V S Y F S E WI R Y H M		SCGEKPGIYTLLENYSLWVQKVMD
UniRef90_F6SNU6         G C A N R P G V Y G N L T VF T D WI Y Q Q M Q           UniRef90_UP1000329C9A2         S C A G Q P G V Y T N V S Y W A P WI E Y H T           UniRef90_B4J1E5         G C A R A P G V Y A S T Q Y F M D WI           UniRef90_P16292         G C G G S P G I F T D I Q K L L G W V S S Q L N           UniRef90_B4LDD4         C D R G Y P A A F T K V S W Y V N W           UniRef90_UP10002C66327         G C A Y P P A V Y A R V S Y F S E WI R Y H M		GNCHYPDVYTDISKHLYWIRMILQ
UniRef90_B4J1E5	UniRef90_F6SNU6	GCANRPGVYGNLTVFTDWIYQQMQ
UniRef90_P79953	UniRef90_UP1000329C9A2 UniRef90_B4J1E5	G <mark>C</mark> A R A P G   V   Y A S <u>T</u> Q Y <u>F M</u> D W   I
UniRef90_B4LDD4	UniRef90_P79953	G C G G S P G       F T D       Q K   L L   G W   V   S S Q   L   N
UniRef90_UPI0002C66327 GCAYPPAVYARVSYFSEWIRYHM UniRef90_UPI0004421FE0 GCAGTPGVFTDLTKVLPWIQQHID	UniRef90_B4LDD4	C D R G Y P A A F T K V A S Y L D WI S D
	UniRef90_UPI0002C66327 UniRef90_UPI0004421FE0	GCAGTPGVFTDLTKVLPWIQQHID
UniRef90_O01310	UniRef90_001310	G <mark>C</mark> ANKPG V YTD V AYY <u>Y</u> SW I NSNM
UniRef90_T1FNH8 GCAKYPG V YAR V NYFEDW I LKN	UniRef90_T1FNH8	G C A K Y P G V Y A R V N Y F E D WI L K N L
UniRef90_B4GHF3	UniRef90 I6WTR7	ACGGIPDIIYTRVYSYIPWIKRVIR
UniRef90 Q7K1E3 G C A N F P G I Y T K V S A Y D D W A Q T I	UniRef90_Q7K1E3	GCANFPGI YTKVSAYDDWI AQTI
UniRef90_G3W6Y9		
UniRef90_H2ZTM2	UniRef90_H2ZTM2	
UniRef90 M3YG37 G C G G S P G I IF T D L R K V L P W I H K H I R	UniRef90_M3YG37	GCGGSPGII FTDIL RKIVLIPWII HKHII R
UniRef90_G9F9F2         G C G R P P G V Y T R I T R Y L P WL R A N L R UniRef90_B4LGN8         G C A N K F G I Y A K V P N Y V D W V W S V V N		GCANKEGILYAKVPNYVDWVWSVVN
UniRef90_UPI000441B579	UniRef90_UPI000441B579	GCAGKYGIVIYTKIVISKFII IPWII IKRII I IR
UniRef90 F0VIF7 GCGNVPGVYVKVSSFIGWINQIIIS	UniRef90_E0VIF7	GCGNVPGVYVKVSSFIGWINQIIS
UniRef90_UP1000441B20B	UniRef90 E4XN62	SCGRSYGIVIFIRIVISAYMGWIIESIVI
UniRef90_D2A3X1	UniRef90_D2A3X1	CDKGYPTVYTRTAAYRAWIREHAN
UniRef90 UPI0003C169B3 D C R H P P S   I   F T N   V   T Y F T D W I   E E   I	UniRef90_UPI0003C169B3	DCRHPPS    FTN V TYFTDW    EE
UniRef90_UPI0003344515 A N C S F P T V C T R V T E F P W I H D I I UniRef90_H9GJ56 N T L K K P T V F T R V S A F N G W I E E T I		N T   L   K K P T   V   F T R   V   S A F N G W   I   E E T   I
UniRef90_P15945	UniRef90_P15945	S P C G K P G       Y T K   L       K F N S W       K D T
UniRef90 Q7Q8F9 E C A N Y P G V Y A R V T R F V S WI R S H	UniRef90 Q7Q8F9	ECANYPGIVIYARIVITRFIVISWII RSH
UniRef90 M7B8C6 G C G N K P GIVIY T QIVIT E L L IS WILLIH S K M	UniRef90_M7B8C6 UniRef90 UPI0003DF5074	GCGNKPGIVIYTQIVITEILLISWII IHSKM
UniRef90_UPI0003DF5074	UniRef90_V5GNK3	KPCGFPGVYVKVSSYIDWIN
UniRef90_UPI0003F0EE50 G C G N N Y G I Y T N V L K F V D WI N E N T	UniRef90_UPI0003F0EE50	GCGNNYGI YTNV LK FVD WINENT

UniRef90_K0SQW2 UniRef90_T1FN18	L	S A A <mark>H</mark> T A A Q	C I	50 N G G R I Y S G	Y D S T	V V Y Y R I	/ G F	1 H S A G I	60 D [L] I M_H (	DK FQLS	R D S N	G Q T S	S A	7 S I T I	0  G V  V E	/ D	K E A S	I_N F_K	ИНI	80 P K H E
UniRef90_H2MVP2 UniRef90_Q7QJ48	V	T A A Q S A A H S A A H T A A H	C	FSRF	N T D Q	E S I	WH GN	H D L	_ D I	K P C	Q E A	T E P Q	Ē,C	RV	Q V R V	'S 'T	K [ H M	    	- H	H Q H A
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UniRef90_Q9UKR0 UniRef90_V9LL27	L	T A A H T A A H T A A S	CC	S G S R Y W Y F	Y W T A	V R I	_]G E R F F	E H 3 R V I	S L (	S QIL G S T	_ D F	W T A N	E C	V F	HAV	G ZS	FS QN	V   <u>T</u>	_ H	PG
UniRef90_W5MA72 UniRef90_M7BR75 UniRef90_F7l810	V	TAAH	C	N <mark>C</mark> N L	V A G N A R		M G A	ци <mark>г</mark> 1 Н <i>Р</i> 1 О С	√ V V	E II E	E [	L G	RC	KI	WV	/ R	N [⊻ H Q K [I	F	9 H (	SW GE
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UniRef90_Q6UWY2 UniRef90_D6W9Z3	V L	SAAH TAAH	C	N C N L T D I K I H V E L E R S F S H R V D P Q	D L I I	RT( D <mark>C</mark> I	G G A Y (	A <mark>H</mark> V Q K I	/ L	STA TD <mark>C</mark>	A E	P T D P	Q C	V F V F	G S A	D V	A L D Y	ΤŢ	H	P D P N
UniRef90_G1T8J7 UniRef90_Q7M761		T A A H T A A H T A A H	C i	VIT K R M A N R	N N	V T	A G E	E H [ E H [ (		SQT	Ϋ́Ε	PEPG	EC	) T F	E A II ⊒A II	KE	T V	 	H	PHQ
UniRef90_E9GI04 UniRef90_UPI00045E3BDA UniRef90_F1P2T9	L	T A A H T A A H	C	VDPKRRT MAGKYDL KYDKYDL KYSVRTT VE	S Q H S	K O	G	2 H I 2 H I 2 Y 9		FEF	E	D T K T	GC	RV	PV	/ S	HS KI	FF	: п <u>г</u> Р Н Г Р Н Г	V S P L F F
UniRef90_UPI0003F0DBF3 UniRef90_P36376	- 1	T A A H T A A H	C i	K S D L Y S H N	Y Q Y H	Ì ₩i V L I	GÜ G	ŢĶÌ NI	N L I	ÈĖF	DE	Ë T P F	TCAC	YA	QV VV	/ S[ / N	L D Q S	F	HI	Q P D
UniRef90_UPI000440AB51 UniRef90_UPI00038EC31C	V	T A A H T A A H	C i	S V R T E V K T	S N T D	R V \ V V \	/ [_ ( / [G E	G E I	1 D (	QSS NSA	S D	S E E D	P I V C	Q I V L	M S R I	E E	G K Q V	V F	K   //	H P A N
UniRef90_R7VWC6 UniRef90_B4MB26	V L	T A A H T A A H		V E G Q V R S A F K N N	FS TP	DP` EQ[	/ N \ _ N \	<i>N</i> R [\ / Q \	/	Q N E S N T	M	F L E R	JG Y N A	GY	RV	/ Q / A	Q I A L	I S	6 H / H	PD
UniRef90_UPI00035108B7 UniRef90_G1Q4X6 UniRef90_UPI0003F0FA65	L	T A A H		P G R F H Y E D R G N	N P		N VV F <del>V H</del> F	K [V ]	\ A (   Q [   N		Z M	R P	SY	SE	SV	, v , Q	E K V A	RI		A E R H
UniRef90_P09872 UniRef90_UP10003F0C937	L	TARH	C	D R G N F K R Y	M R Y V	I Y I	- G i	HN		K V L	N F	K D F F	AF	RF	R F F	k ⁄ o	E K	YF	C H	N R F
UniRef90_UPI0002C45045 UniRef90_UPI0003338018	Ī L	S A A H T A A H	C	QTHF WRPS	M R Y T	V R I L G I	G E	H I	N∐İ RRI	R K F	R D Y	Ğ P E P	Ē H G S	L R	R T V	′∐Ŝ[ E_A	ĽV NI	I V	) H I	G K
UniRef90_D6W9N9 UniRef90_UPI0004434AF4	L	I A A H T A A H		V R R L I F P Q F	K <u>R</u> W∏	S K I A V I	G I	0 U 1 N	<u>.</u> ו ווּ	L I E L K F	ະ ບ • H∫	LK	A K	M E E I	KI	S D	A  V T  I	<u> </u>  -	! H     H	R N P E
UniRef90_B4PM74 UniRef90_B4JH20 UniRef90_UPI0003C257EE	L V	T A G H T A A H T A A H	CI	VKGY FDSE NVKQ IFGH	P A D G	DV	1 V V	A S ( D F [	ا ا ز ا S ا		) D	APA	PK	DY	AV	/ A	A IL	Y L	.]H <mark>(</mark> } H [	C N P N
UniRef90_UPI0003C237EE UniRef90_UPI0001DE9BD5 UniRef90_E2AY08	L	T A A H T A A H	C	F G H	V E	Y T Z	A G I	-   		KNT	S	R M D T	A [	EI	PV	Q A	D D T	V F	/ H (	Q D F O
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UniRef90_A7SBW3 UniRef90_B4N9L6 UniRef90_UPI00034FFD2B	L V	T A A H T A A H S A A H	C	TRGR	K K K A G K	SDI	1 Q I F R T I G I	C A L Γ G S C Y I	K		V Q	Г N S F F	SK	FY	' Y F 	D D	V S K I K I	VE	V_! E_H_( H_I	C N
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UniRef90_K7J0K5 UniRef90_G3VDM5	M	7 A A H 7 A A H 7 A A H 7 A A H 7 A A H	C	F Y E V F Q N Q	K L A H	N A I	A 7	ΓS <u>N</u> R[[	[	L D T L G S	A R	D D T L	A V Y F	H Y	( S I ( V S	_K K[	K I L I	Y I	] H [	P K
UniRef90_UPI00032AF892 UniRef90_J3JXG5	L	T A A H T A A H	C	I SSS VDTA	RT SA	Y Q I	/ V L 	-   G   -   G	= Y	DRT NPS	S T	R E T V	G P N E	PT	QV	∣N ∠R[ : B	E V L V	V V	P R \ / H /	WN AQ ~ V
UniRef90_Q9XY47 UniRef90_W5ND89 UniRef90_A0A034WAM6	L L	A A R H T A A H T A S H	CI	D C R S F S T N	K T R F	D D Y	/ V L	G /	AHI		Y	M P A R	A C	D F	RV	D R	Ė V R Y	Y		A D N E
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UniRef90_UPI0003D0F76E UniRef90_Q28Y25	L V L	T A A H T A A H T A G H		NNSP VYNR VVTV	∐S QA D		_   G   k =   V   k	YY QG T		NTF NRA	\ G	M D	E I	V V	A V R V	EE	K T Q L		_ H	F G E N
UniRef90_UPI0003C3A00B UniRef90_B4PJL6 UniRef90_H3DHF7	L	T A A H T A V H T A A H	C	V V I K VEKA SEVV	V A R V		YU	G H	3 V I	L R L	-	PR GT	QL	R A	N S V		N V D V F I	QL	,	P D
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UniRef90_B4JVV7 UniRef90_T1KKD9	T	A A H C T A A H T A A H		QSVS VNHN	AS QV N	ΝΚΙ	) Y V	Z A (	3 S S	SYV	V N	SG	G V T T	V S	K V	/ A R	S F R V	K N	\	E G P N
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UniRef90_Q64ID4 UniRef90_Q9XY63	VHETNVCTGPTTGGISACSGDSGGPLISNPVLTGIVSWGCQIVNDDHVCTPQGNVGACNGDSGGPLVVDNKQIGVVSFGRQLNRRRLRNGLVDTQMCCQGDSGGPLQCIFYIVGITXFGR	
UniRef90_UPI0002B43D8E	E E K K M A C A G I Y D G S I D S C K G D S G G P II V C E D Y V W G I V IS W G C	
UniRef90_B4LCZ8 UniRef90_M3XGM1	I VTSSNICVSTPNGKSTCNGDSGGPLVLKDVQVGLTSFGGMVHHNMFCSSKDACQGDSGGPHATNFNGIWFLTGIVSWGENWNVCTEFLRGVGTCQGDSGGPLACQGSAWTLVGTGSWDE	
UniRef90 077780	NWNVCTEFLRGVGTCQGDSGGPLACQGSAWTLVGTGSWDE	
UniRef90_UPI0003B633BD	NYDPKTMLCPAEGGKDACQGDSGGPLVYNWKQLGIVSWGATITKNMFCAGYSDCQGDSGGPHVTPYANTWFSTGIJSWGE	
UniRef90_B3XZY7 UniRef90_UPI0001CBA6CA	I DI LPSMLCAGTGISGSCSGDSGGPLICRWFLAGITSWGA	
UniRef90_M3Y1T7	LPDTSFCAGHEDGIFDTCRGDSGGPLMCYFFVMGITSYGY	
UniRef90_B0WE93 UniRef90_UPI0003F13DA7	ITESMICAGNIEEGKDICLIGDSGGPMVADGVLVGVVSWGK	
UniRef90_UPI0003AEDDE2	PRDAMUCAGSEDGSRDTCRGDSGGPLACKWLQIJGI VSWGV	
UniRef90_A7SBW3 UniRef90_B4N9L6	RVDIGHVCTFNDKGRGACHGDSGGPLVHNGKLVALVNWGI	
UniRef90_UPI00034FFD2B	TNRMVCAGTLFEDRIDSCQGDSGGPLMCQWLIVGITSWGY	
UniRef90_UPI0002BCFC58 UniRef90_V9KVM8	I T D N M F C A G Y K D A F L D S C S G D S G G P L A T O W F L T G I V S W G F	
UniRef90_K7J0K5	MNLT SNVICAGNEKKSPCQGDSGGPLMYRYYLTGI VSNGY	
UniRef90_G3VDM5 UniRef90_UPI00032AF892	STVKETMVCAGGDEVSACNGDSGGPLITCPWEVHGVTSFGC	
UniRef90_J3JXG5	TVQAQHICTS GIGGVGSCNGDSGGPLVIGIVSFGL	
UniRef90_Q9XY47 UniRef90_W5ND89	L V   K S Q L   U V   F K A S E K G   V   U F G D S G G P   L   A   I N G E   L V   G V   T S F G T D   L   K T H   C A G A A G S R S C M G I S G G A I V   C S R F   I W G V I T W G S	
UniRef90_A0A034WAM6	NYDPKTM	
UniRef90_UPI00032A10B7 UniRef90_V5IAF3	Y [V]D[V]G H L  C   I F N D N G K G A C H G D S G G P L V H N G T L V A L V N WG L H F F S N V C S G P   D A P   T A C G G D S G G P   S K G N V V F G V V S WG   L	
UniRef90_UPI000359DD74	LIDORVMCFNSNTRSDTCKGDSGGPLVCRDQVTGIVSVGM	
UniRef90_U3IQP2 UniRef90_UPI0003D0F76E	SIVIRIVIT DIN MIVICIA GIWAT DA CKGDSGGPMV CRMTILIY GILVIS WGD	
UniRef90_Q28Y25	LISEAML CAGLIPDGGKDACQGDSGGPLVVNNQLVGIVSWGE	
UniRef90_UPI0003C3A00B	DVDVGHICTYTKVGEGSCHGDSGGPLVSGGQLVGLVNWGI	
UniRef90_B4PJL6 UniRef90_H3DHF7	LTSYMFCAGYYNKAKDACQGDSGGPHANTWFLTGIVSWGE	
UniRef90_V5GS76	NLYNLTYCTSGYRNKGTCSGDSGGPLLLNGVQLGLVSLGT	
UniRef90_J9K6M7 UniRef90_UPI0003F09A23	VTDDMICLAYKDYFVGACFGDSGGPLSFRFYVIGATSYGF	
UniRef90_UPI00021A73DA	LTDNMLCAGYQEGSKDSCQGDSGGPLHVFYQVVGVVSWGE	
UniRef90_B4JVV7 UniRef90_T1KKD9	SKILKS I MILUAKAAGKD SUQGD SGGPIL VISGG RIL VIGIV VISWGN LNTPSII PQGILKTDQLICSCOGD SGGPIL VIDIVIH YOLI GILLISFGR	
UniRef90_G1QFP2	KVIRDDMLCAGSWRRDSCQGDSGGPLVCKWVQVGVVSWGE	
UniRef90_B4JY92 UniRef90_U4UIA2	SLGIGHICT F S K E G E G G C H G D S G G P L V S N G H L V G L V N W G R	
UniRef90_Q9XY51	AGKDII II ENMILI <mark>C</mark> AGIVIRRS <mark>C</mark> QGDSGGPIL VIDENKIL VIGIV VISWGN	
UniRef90_R7UE88	LTERMVCAGYEHGGLDTCQGDSGGPLVCHWVQIGLTSFGR	

UNIRGE00 TIFENT8 UNIRGE		040
UNIREGO JOZDAG  UNIREGO VOLZOS  GO G N P P G V Y T R V T E V G W V Y R V M Y R T W V N W W Y R T W V N W W Y R T W V N W W Y R T W V N W W Y R T W V N W W Y R W Y N R W W Y R W Y N R W W Y R W Y N R W W Y R W W Y R W Y R W Y N R W W Y R W Y N R W W Y R W W Y R W W Y R W Y		
UNIREGU VPIDO045D251 UNIREGU VPIDO045D251 UNIREGU VPIDO045D251 UNIREGU VPIDO045D251 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035D25266  UNIREGU VPIDO035D2526666 UNIREGU VPIDO035D2526666 UNIREGU VPIDO035D252666666666666666		CLIPTYPSAYTRFSEYILDWIK
UNIREGU VPIDO045D251 UNIREGU VPIDO045D251 UNIREGU VPIDO045D251 UNIREGU VPIDO045D251 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035B2266 UNIREGU VPIDO035D25266  UNIREGU VPIDO035D2526666 UNIREGU VPIDO035D2526666 UNIREGU VPIDO035D252666666666666666		GCARAPGIVIY T RIVALE II D WITA E KIVIN
UNIRE900 V950AR8 UNIRE900 V950U23 UNIRE9	UniRef90_V9L2Q5	GCAKKPG V YCR V TEYQ L W V YRTM
UniRef00 V44XOV7 UniRef00 V24SQU UniRef00 V24S		GCGNTPGVYARVISYVSWIRQYV
UniRef90_V5GU23 UniRef90_D400035B8286 UniRef90_D400035B8286 UniRef90_D400035B8286 S R P R H P A N V Y S Q C K Y V M S W IN K K T M IN Ref90_D40034B8286 UniRef90_D40133 UniRef90_D40133 UniRef90_D40133 UniRef90_D40127 UniRef90_D40127 UniRef90_D40127 UniRef90_D40127 UniRef90_D40127 UniRef90_D40128		GCGRPPGVYTRVFEYLDF
UniRef90_G1TBJ7 UniRef90_E9G104 UniRef90_E9G104 UniRef90_E9G104 UniRef90_E9G104 UniRef90_E9G104 UniRef90_E1PZT9 GC_GS_PG_II_FT_D LL_R_R_V_L_P_WIL_LK_H_Q UniRef90_E1PZT9 GC_GS_PG_II_FT_D LR_R_V_L_P_WIL_LK_H_Q UniRef90_P1000350BF3 UniRef90_P36376 GS_PG_II_FT_D LR_R_V_L_P_WIL_LK_H_Q UniRef90_P36376 GS_PG_II_FT_D LR_R_V_L_P_WIL_LK_H_Q UniRef90_P1000440AB61 UniRef90_P1000340AB61 UniRef90_UP1000340B631 UniRef90_B4ME26 UniRef90_E1PZT9 GC_GS_PG_II_FT_V_V_L_R_V_N_D_WIL_R_R_V_M_D UniRef90_D10003510BF7 UniRef90_P10003510BF7 UniRef90_P10003510BF7 UniRef90_P10003510BF7 UniRef90_D10003510BF7 UniRef90_D1000352F6E UniRef90_D1000352F6E UniRef90_D1000352F6E UniRef90_D1000352F6E UniRef90_D1000352F6E UniRef90_D10000510BF6 UniRef90_D1000352F6E UniRef90_D10000510BF6 GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_WIL_R_V_M_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_K_Y_N_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC	UniRef90_V5GU23	GCSGYPSGFTRITSYLSWIEEKT
UniRef90_G1TBJ7 UniRef90_E9G104 UniRef90_E9G104 UniRef90_E9G104 UniRef90_E9G104 UniRef90_E9G104 UniRef90_E1PZT9 GC_GS_PG_II_FT_D LL_R_R_V_L_P_WIL_LK_H_Q UniRef90_E1PZT9 GC_GS_PG_II_FT_D LR_R_V_L_P_WIL_LK_H_Q UniRef90_P1000350BF3 UniRef90_P36376 GS_PG_II_FT_D LR_R_V_L_P_WIL_LK_H_Q UniRef90_P36376 GS_PG_II_FT_D LR_R_V_L_P_WIL_LK_H_Q UniRef90_P1000440AB61 UniRef90_P1000340AB61 UniRef90_UP1000340B631 UniRef90_B4ME26 UniRef90_E1PZT9 GC_GS_PG_II_FT_V_V_L_R_V_N_D_WIL_R_R_V_M_D UniRef90_D10003510BF7 UniRef90_P10003510BF7 UniRef90_P10003510BF7 UniRef90_P10003510BF7 UniRef90_D10003510BF7 UniRef90_D1000352F6E UniRef90_D1000352F6E UniRef90_D1000352F6E UniRef90_D1000352F6E UniRef90_D1000352F6E UniRef90_D10000510BF6 UniRef90_D1000352F6E UniRef90_D10000510BF6 GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_WIL_R_V_M_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_K_Y_N_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC	UniRef90_UP10003BB82B6	GSAOHPAVYTOLCKYMSWINKVIR
UniRef90_G1TBJ7 UniRef90_E9G104 UniRef90_E9G104 UniRef90_E9G104 UniRef90_E9G104 UniRef90_E9G104 UniRef90_E1PZT9 GC_GS_PG_II_FT_D LL_R_R_V_L_P_WIL_LK_H_Q UniRef90_E1PZT9 GC_GS_PG_II_FT_D LR_R_V_L_P_WIL_LK_H_Q UniRef90_P1000350BF3 UniRef90_P36376 GS_PG_II_FT_D LR_R_V_L_P_WIL_LK_H_Q UniRef90_P36376 GS_PG_II_FT_D LR_R_V_L_P_WIL_LK_H_Q UniRef90_P1000440AB61 UniRef90_P1000340AB61 UniRef90_UP1000340B631 UniRef90_B4ME26 UniRef90_E1PZT9 GC_GS_PG_II_FT_V_V_L_R_V_N_D_WIL_R_R_V_M_D UniRef90_D10003510BF7 UniRef90_P10003510BF7 UniRef90_P10003510BF7 UniRef90_P10003510BF7 UniRef90_D10003510BF7 UniRef90_D1000352F6E UniRef90_D1000352F6E UniRef90_D1000352F6E UniRef90_D1000352F6E UniRef90_D1000352F6E UniRef90_D10000510BF6 UniRef90_D1000352F6E UniRef90_D10000510BF6 GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_WIL_R_V_M_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_K_Y_N_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC_GR_PP_GV_Y_T_R_V_S_R_Y_L_D_W_LK_R_Y_L_D GC	UniRef90_B4PPJ3	GCADKPGVYTRLDALHPWLNKVLN
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UNIRER90 _UP10003453B0A   A	UniRef90_Q7M761	GCGGSPGIIFTDILRRIVLPWILKHIIQ
UniRef90 P1P2T9 UniRef90 P1P000350DB35 UniRef90 P36376 UniRef90 P36376 UniRef90 P10000440B51 UniRef90 P1000340B51 UniRef90 P100038EC31C UniRef90 B4MB26 UniRef90 B4MB26 UniRef90 P10003510B56 UniRef90 P10003510B57 UniRef90 P10003510B57 UniRef90 P10003510B57 UniRef90 P10003510B57 UniRef90 P10003510B57 UniRef90 P1000350B35B0 UniRef90 P10003510B57 UniRef90 P10003510B57 UniRef90 P100035257B51 UniRef90 P100035257B51 UniRef90 P100035257B51 UniRef90 P100035257B51 UniRef90 P100035257B51 UniRef90 P100035380B7 UniRef90 P100035380B7 UniRef90 P100035380B7 UniRef90 P100035380B7 UniRef90 P100035330B81 UniRef90 P10003543D85 UniRef90 P100035330B7 UniRef90 P10003543D85 UniRef90 P100035453DA7 UniRef9	0to:000.0.	ALPEKPAVYTKVVHYRKWIKDT
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UniRef90 _UP10003F0C937 UniRef90 _UP100032C45045 UniRef90 _UP10002C45045 UniRef90 _UP10003338018 UniRef90 _D6W9N9 UniRef90 _UP10004434AF4 UniRef90 _B4PM74 UniRef90 _B4PM74 UniRef90 _B4PM74 P		SCGNVPGIYTLLANYDLWIKNVT
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Unirage   Unir	UniRef90_B3XZY7	
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UniRef90_UPI0003F09A23	UniRef90_V5GS76	TLCESPSVFTDLGKHLDWI <u>V</u> E <u>H</u>
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UniRef90_UPI0002C477B2 UniRef90_UPI0003EC18F2 UniRef90_U5KK44 UniRef90_V8N9U5	V V G G Q D A K R G N W P W Q G S L R L H R S H L C G A S L L S R R W A I I K G K K A P E N S L L Y M A S V Q S S T G H V C G G F L I T A D F V I V G G D E A A V G Q F P F Q A V L L S S T S P G G S L T C G G V Y I N H W L L V V G G M E S K K G E V P W Q V Y L L N S E G K G F C G G T I I N E K W I
UniRef90_I3NB26 UniRef90_B5BSX4	I T G S R P A N P R E WP WMA S I T P Y G F E Q Y C G G V L I T D R H V
UniRef90_B4N9K8 UniRef90_A0A026WCC0 UniRef90_P48038	
UniRef90_B4GYY4 UniRef90_A0A034V2J2 UniRef90_H2L3L9	I VGGAATTISSFPWQLSLQ RSGSHSCGGSVYSENLI II I GGEDAPAGVWPWQASV HNNSTLCGGSLISRRWV
UniRef90_UPI0003F0C8D7 UniRef90_K7J1U7 UniRef90_H2SL20	UVGGEPSRILGSWPWQVQLVYSYNSGAQQVCGGSLVGPKHV GGTDAPDGAYPYQAALRRKS KFVCGASIINEHWL UVGGTVATVESHPWVAAIFWRKSKEKVFRCGGSLISSCWV
UniRef90_E3BE85 UniRef90_B3MC14 UniRef90_D2A2R8	I I G G G D A V K S K W P F M V S L A N K S S L S G F C G A S F L G G R Y I L V G G D Q A D I S D F P Y Q V S V R L E T Y M L L H I C G G S I Y A P R V V P W O V S I D Y Y G S H I C G G S I L S K Y I V
UniRef90_UPI0003292490 UniRef90_G3N2H4 UniRef90_UPI000329FF55	P W Q V S L Q Y Y G S H I C G G S I I S K Y I V I I G G N K V P P H A R R Y M A L I K G L E L C A G A L I Q E N W V I V G G R K A R P Q E L P F L A S I Q N Q G R H F C G G A L I H P N F V I I H G T K A P E N S M Q Y M A S V Q N N K G E R V C G G F L M T E D F V I V G G V E S A P G D W P F L A A L L G G P E Q I F Y C A G V L I A D Q W V
11 'D (00 11010004000750	I V G G V E S A P G D W P F L A A L L G G P E Q L F Y C A G V L I A D Q W V I I G G W E C D K H S Q P W Q A L L T F T R K H N S V C G G V L V H S Q W V
UniRef90_T1JCX9 UniRef90_UPI00027F6627 UniRef90_U3J2T3	I V G G V E S A P G D W P F L A A L L G G P E Q I F Y C A G V L I A D Q W V I I G G W E C D K H S Q P WQ A L L T F T R K H N S V C G G V L V H S Q W V I V G G T A A E P H E F P WQ A A L L S N L R P Y C G G C L L N N R Y V V V G G H S A P P G K W P W Q V S L R T F N Q D Q W G H S C G G S L I H P Q W V I Y A G V K T T A G K H P W M V S L Q R K T S R G S I H I C G G V L I K S C W V I G G R N S K K G R W P W Q V A L Y N Q E Y E N F F C G G T L I S K Y W V G G P C E R M S H P Y Q A A L Y N S G Q L L C G G V L I H P L W V I V G G T I T L P H L F P W A V A L F N K D E F H C G G T L I N N R Y V V L V G G C V A H P H S W P W Q V S L R T R F G K H F C G G T L I S P F W V
UniRef90_Q2TJC1 UniRef90_L5LUN9 UniRef90_E2BDT3	I G G R N S K K G R W P W Q IV A L I Y N Q E Y E N F F C G G T L I I S K Y W V G G P C E R M S H P Y Q A A L Y N S G Q L L C G G V L I H P L W V I V G G T I T I P H L F P W A V A I F N K D E F H C G G T L I N N R Y V
UniRef90_G3RJ15 UniRef90_D5KRY1 UniRef90 UPI00029D6D86	I V G G T I T I P H L F P W A V A I F N K D E F H C G G T L I N N R Y V V V G G C V A H P H S W P W Q V S L R T R F G K H F C G G T L I S P E W V V A G G A E C D K N E H P F L V A L H T A R S K R F H C T G T L I G K Q W V I V G G E D A E R G Q F P W Q V L L H G E I A A F C G G S I V N E K W V V G G T D A P Q G A W P W I V S L Q S T W Y V G T G H I C G G S L I T P Q W V V G G T D A P Q G A W P W I V S L Q S T W Y V G T G H I C G G S L I T P Q W V
UniRef90_A6QPZ2 UniRef90_F1P0H2 UniRef90_T1GLG0	V V G G E D A E R G Q F P W Q V L L H G E L A A F C G G S I V N E K W V V G G T D A P Q G A W P W I V S L Q S T W Y V G T G H I C G G S L I T P Q W V L T G G L D A M P H E A P E M V S E Q L R H D D S E M H S C G G S L I N K N W I
UniRef90_A0A034WAB0 UniRef90_UPI000388D458	V V G G T D A P Q G A W P W I V S L Q S T W Y V G T G H L C G G S L T T P Q W V I T G G I D A M P H E A P F M V S F Q I R H D D S F M H S C G G S I I N K N W I V V N G T D S E I T K F P F L V S L R G S T G S H S C G A S I I A P R W I I V G G C V S N P H S W P W Q I S L R T S F N M H F C G G T L I A P Q W V I V G G T Y A A Y G N W L W Q V G L R Y N T G L C G G S I I S P K W I I V G G E D S T D A E W P W V V S I Q K N G T H H C A G T L L T S R W V I V G G S P T Q L G D W P W M I S L R D R S N V H R C A G T L N K W W I T G G M F A F V G G F F P W O V S I Q R N F C G G T J N K W W I
UniRef90_F7DJY3 UniRef90_G1MI39 UniRef90_W4XBC8	I VGGEDSTDAEWPWVVSIQ KNGTHHCAGTLLTSRWV I I GGSPTQLGDWPWMISLR DRSNVHRCAAVVINSTTA
UniRef90_L8YD80 UniRef90_W8C4A8 UniRef90_T1HZ65	I I GGS PVS PGEY PHMAAI GYATGS PYFFRCGGAI LIDKREV
UniRef90_B4K4Y2 UniRef90_I3JR10 UniRef90_H0XYT5	V V N G T D A A W E N Y P F V I S L R G P S G S H S C G G S I I S N Q F I V N G E D C P G Q C P W Q A L L V N E D N I G F C G G T I L N Q Y [ I V L G G F D S K I G R W P W Q G S I R I W D S H T C G A S I L S R R W V
UniRef90_P52905 UniRef90_UP1000258EF04 UniRef90_UP1000265790A	FDVVDGFFWIVSIOUV PAUGENKCGGTLINDRWI
UniRef90_W5JTC6 UniRef90_V4BEC0 UniRef90_D8MIA3	I MHGTPTVEGQYPWQVSLELLHPSYGGHWCGGVLIDRNWV I VGGTTAIRGSWPWMVSMKL AGQHWCGGVLISKQWI
UniRef90_D2A3X0 UniRef90_U4TZZ2 UniRef90_UPl00042C900D	I I NGSPASLGQFPYQAALYLKVS GGTSFCGGALITPTYI I VGGWPVEI ASHPHQVSFQ NWHRHSCGGSLISPEWI I VGGQAVAPGRWPWQASLAPH WVVTAAHC
UniRef90_UPI0003C281A5 UniRef90_A8QL57	I VGGVAAAAGQWPWQASLAV SGQHVCGGGSLVAPSWVIMGGSECYKSKHPFLVYLY NSAGFFCSGTLLNHEWV
UniRef90_Q1RLV2 UniRef90_Q5E9Z2 UniRef90_B4P8D9	I VGGDEAIPGEIPWQV VFLEKVNKIVFCGGSLLSEEWV I FGGFKSTAGKHPWQASLQTSLSTPQGHYCGGALIHPCWV I VGGHETRIHQYPWMAAILIYD RFYCAGSLINDLYV VVGGNDAGYGDAPYQIAMI RSGSFICGGSLIGSQTV
UniRef90_A1KXI5 UniRef90_UPI0003943118 UniRef90_UPI00022C8BC5	V V G G N D A G Y G D A P Y Q [ A M]
UniRef90_G3S4P4 UniRef90_UPI000359DD5D UniRef90_UPI000329CB41	I L G G R V S R R G A W P W Q C S L Q S G G H V C G C V L I A R K W A V V R G N I A P K G S Y P W Q A S I R V R G H S R S N H W C G A V I V S P L H V I V G G T E V E E G E W P W Q A S L Q W D G S H R C G A T L I N A T W V I V G G T G A K P G S W P W I V S I Q H P W A P R L G H F C G G S L I S T Q W V I F G G S V A Q R H S F P Y Q A G L L L Q R P K G L Y W C G G A L I S D E Y V
UniRef90_M3WTT7 UniRef90_UPI0003594F1A UniRef90_F6WVD8	I VIGGOLIA OR GEFPWOVISILIRSYTAH KOHTCGGIL VIA PDWI
UniRef90_B3Y578 UniRef90_J3JZB7 UniRef90_UPI0003F0C86D	L VIWL LIY D G N WI A S G G F L V E E D I V
UniRef90_UPI0003B792BF UniRef90_UPI0001DEAE9C UniRef90_E4XIE3	I VSGNEARPHSWPWQVSLQVRGSKHYIHVCGGTLIHKNWV I KGGLYADITSHPWQAAIFVKNRRGERFFCGGILISSCWV I VGGTVADPFSWKWIVKIDIG
UniRef90_UPI0003C35693 UniRef90_H3D589	I KGGLYADLTSHPWQAAIFVKNRRGERFFCGGLLISSCWV I VGGTVADPFSWKWIVKIDLG CGGSIIHPNWV I VGGVEESIAASPHLVSLRYKKNQSSEHRCSGTIYSESLV I VGGVNSMEGEWPWQVSLHF SGHMYCGASVLSSNWL
UniRef90_B4QIN3 UniRef90_H3CLF2 UniRef90_L5LVL6	I V G G V N S M E G E W P WQ V S L H F S G H M Y C G A S V L S S N W L V V G G H D A E S L A H P W M V M V H T D S R F A C G G S L L T S R F V I V G G D E A L P G E L P WQ V T L M S H S L Q T A E P F C G G S L L S D W W V I I N G N Q C P R G A Q P WQ V A L Y H N N V F L C A G V L I H Q K W V L I V G T V V D L S D F P Y Q V A L Y S R R N R K R L C G G A L V K P R V V
UniRef90_D6WWT7 UniRef90_T1JQV3 UniRef90_UPI00035C46D0	I VGGDVAYEGEFPWNVAI FIREDGDVVHECGGSI ISDLYI
UniRef90_G3P0N2 UniRef90_UPI00044399EF UniRef90_C5I7U1_	I VIGGREAPE GAWP WQVISI QILQS MHHCGGTTI VISSLISV II NGKEVKNHSLIPYMALL ESSEPVCGGILI DPNWV RRGAWPWFAAI GTRAEGRFQALCGGSLI TRRHV
UniRef90_B4KCW5 UniRef90_T1GED1 UniRef90_W8BLL3	V V G G E P A D V A D H P W A V Y L V D T A G K Q F C G G T I A A P D K V I V G G R E A P E G A W P W Q V S I Q I Q S M H H C G G T I V S S L S V L I N G K E V K N H S L P Y M A L L E S S E P V C G G L I D P N W V R R G A W P W F A A I G T R A E G R F Q A L C G G S L I T R R H V A R P G E Y P H M A A V G F Q T N S D K D Y K C G G S L I S E N F V I N G H E T L L E E F P W M A L I E Y E L H Y S R S F R C G G S L I S D R Y V I Y N G R D T A L D Q Y P W M V L L E Y T Q K N G Q P I L C G G S L I N Q R Y V V G G N E A K L G R W P W Q G S L R W N K V H S C G A S L L N R R W A L G G W E C Q K N S H P W Q A A V Y H G G G S L I N A Y W V W V G G G S L I D R K W P W Q V S L H Y A G E H V C G G S L I N A Y W V
UniRef90_E1B7M0 UniRef90_I3NG91 UniRef90_UPI0003D08C6C	V V G G N E A K L G R W P W Q G S L R W I I G G W E C Q K N S H P W Q A A V Y G G E L T I D R K W P W Q V S I H Y  N K V H S C G A S L L N R R W A H H G L A V C G G V L V H P Q W V A G F H V C G G S I L N A Y W V

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UniRef90_UPI0002C477B2	L T A A H C F K K S M D P L D W S L Q F G E R M R A Y Y N R Y Q V E K L V M N P
UniRef90_UPI0003EC18F2	LTAAHCAKDNPTHVVLATHNLKKSHQEKLT IKKKFKPNF
UniRef90_U5KK44	NAAHCTQSSARSTWLGLHRRSDTSDGQHFTFVRIVNHPNY VTAAHCLAFQPQRIVAHNVYIVDNTEQYRNVVRAIPHHTY
UniRef90_V8N9U5	VI A A H CLA F Q P Q R I V A H N V Y I V D N I E Q Y R N V V R A I P H H I Y
UniRef90_I3NB26	L T A A H C F E T S L D P F E W T V Q F G E L T S R P G W N L Q A Y Y N R Y Q
UniRef90_B5BSX4	L T A A H C T R R WD Y V R L G E Y D L Q R T N D S R S Y N F K V V E K L Q H P
UniRef90_B4N9K8	L T A G H C V S G Y P A D R L Q V V T G T L Q Y A L P G A L Y Y P E S I Y L H C
UniRef90_A0A026WCC0	L T A A H C T W T L D W G N P K W V R R T D D D A A P E T L G L E K L I N H P D
UniRef90_P48038	L T A A H C F N N K Q K V Y E W R M V F G A Q E I E Y Q E R Y V E K V V T H D Q
UniRef90_B4GYY4 UniRef90_A0A034V2J2	I T A G <mark>H C</mark> V E T F V P A V N V I T G T N R W A E P G A V Y Y T A E L H M H <mark>C</mark> M V T A A H C L S D N <u>P S L T T L R V</u> R A G S S Y <u>W</u> N S <u>K L</u> S E I A A <u>F K V</u> H E L
UniRef90_A0A034V2J2 UniRef90_H2L3L9	L T A A R C S D A D V V V F L G R D T Q M G P N L H E V M R W V S K V I K H P D
UniRef90_H2L3L9 UniRef90_UPI0003F0C8D7	I S A A H C E V G S M N N I K K W K V N N O P E I G A V E S R V R K I I V H P O
UniRef90 K7J1U7	I IT A A H CIVIN M M K D P K F A TIV I VIG T N FIVIT H F Y KIVIA YII I IQ H F D Y
UniRef90 H2SL20	L T A A H C F P D G S H L K T R R F S V V L G K N A L N E S K S T T E Q K F P V L T A A H C L V K K N G H V Y V G A Y N L T N G T A D K Y S D I A A V Y I Y P A
UniRef90_E3BE85	L T A A H C L V K K N G H V Y V G A Y N L T N G T A D K Y S D L A A V Y L Y P A
UniRef90_B3MC14	LITAAHCII KGRYASYII IRII VIAGONSII IADII IEEOGIVIKIVISKII LIYH
UniRef90_D2A2R8	<u>T</u> A A H <mark>C T</mark> D G <u>L </u> T A A <u>Q</u> L <u>S I </u> R A G <u>T</u> S S R G S G G Q <u>V S</u> S V A R <u>I I Y Q</u> H S <u>S</u>
UniRef90_UPI0003292490	_ L  T A A H <mark>C</mark> D K G K P Q  <u>L</u>   <u>L  </u> G A H S  L  S H E E K D K Q T F S  I  K K <u>A   I  </u> S Y P <mark>C</mark>
UniRef90_G3N2H4	L T A A S C F Q S R N T G I A G A Y D L R R R E R S R Q T F F I R S V S E N G Y
UniRef90_UPI000329FF55	VIS A A H C D G S L IT H V V L I G N H N L   K K
UniRef90_UPI00046CC75D	VSAAHCDGSLTHVVLGNHNLKK GSHQKIKI ENKTIHEN LTASHCVGNHSEVSGWTIQLGITRRHAHTYKVKRVVPHPN LTAAHCI GDNYKVLLGLHDRSSEESTVQEARVSARFPHPL
UniRef90_Q76B45	LI AAHCI GDNYKVLLGLIHDKSSEESIVQEAKVSAKFPHPL
UniRef90_T1JCX9	HCAVDRLPGQVQVLLGAHDYLGPSIFHLYYAVKKFIVHPN LTAAHWEPQTYRVQTGQVTLYRHDQLTKVAQI <u>LLHPK</u> FNM
UniRef90_UPI00027F6627 UniRef90_U3J2T3	L T A A H WE P Q T Y RIVIQ T G QIVITIL IY R H D QIL IT KIVIA QIL I L IH P K F N M
UniRef90_U3J2T3	L T A G H C L T E L A E K F Q G K Q N L R K R E H Q E Q I F D V E K I I V H H K I T A A H C L I S D F G S D I T I F S G L Y D T S P Y S I H L V R D R V I H P R L T A A H C R K P N L Q V Y L G K H N L Y E R E S F Q E Q S S V V Q T V V H P G
UniRef90_Q213C1	ĹĬŦĂĂĤ <mark>Ċ</mark> ŔĸĸĸĬſŎŎĬŶĹĠĸĤŇĬĬŶĖŔĖŠĖŎĔŎŠŠĬŶĬĬŎŤĬŶŶ <mark>Ĥ</mark> ŖĠ
UniRef90_E2BDT3	LII A G H CIVIR W I N H A DILIG M H DIVIE G I D E G F ILIA QII ID KIV I L IH E N F
UniRef90_G3RJ15	L  T A A H <mark>C</mark>    K K S S R P S S Y K  V   L  G A H Q E  V  N  L  E S H  V  Q E   I  E  V  S R  L
UniRef90_D5KRY1	L   T
UniRef90_UPI00029D6D86	LIT A A HCFK D NL DKPTG A WQLGNPGPRS Q EVGI A WA QPHPV
UniRef90_A6QPZ2	VTAAHCIKPGVKITVGEHNTEKPEPTEQKRNVIRAIPYHS LTAAHCFDHPW <u>HVVI</u> GGHDLKRLGPEAVVRNVIRIIPHEY
UniRef90_F1P0H2	L T A A H C F D H P WHV V I G G H D L K R L G P E A V V R N V L R L L P H E Y
UniRef90_T1GLG0 UniRef90 A0A034WAB0	L T A A H C V H P E T I M X X X X X X X X X X X X X X X R T I E Y Y K T H P A L T A A H C V V S A T A S R I S I Q Y A S T E I A A T S S N V A K V K R I I V H
UniRef90_A0A034WAB0 UniRef90_UPI000388D458	LITAKHCLERSSRPSSYRITELIGIHTEKADEASIVQI RDVERI
UniRef90_57DJY3	VITA A HCVV G VITNITY RITS NIT OS PLIMA S CS G VITVE RITT PHP G
UniRef90 G1MI39	VTAAHCEKGTLNKPSGAWQLGNPGPRSQEVGIAWVQSHPVVTAAHCVDKFETAVLGDLKLSMTSPYHMELEIJGLAHP D
UniRef90 W4XBC8	IVITAAHCVDKFETAVIGDIIKLSMTSPYHMELLEI TIGLIAHP D
UniRef90 L8YD80	LII AAHCILIY SPRDILISII VIMGI NDILII SSSMEII IKDIVII SII I IFHKI
UniRef90_W8C4A8	LIT A A H CI IN R P D S R PII VID F N S A D Q M K NIV VIDIVIPII IA NIL IY P H K N
UniRef90_T1HZ65	LIT A A H CIL IC T EII IR K F F PIL IM G H DIL IR E S R G R NII IPIVIA NIL L VIH P D
UniRef90_B4K4Y2	LTAAHCTAGRQASELSVQYGVTKINGPNVVGVKRIIQHEL LTAAHCMNQSRYFNVGEFDRLVNEGTEADHLVDALLTHRG
UniRef90_I3JR10_	L   T A A H C M N Q S R Y F N   V   G E F D R   L V N E G T E A D H   L V D A   L L T H R G
UniRef90_H0XYT5	L T A A H C F Q E T A D P F S WT V Q F F W N L Q A Y H N R Y Q V E N L Y M S P
UniRef90_P52905	I TAGHCLHERSVTMKVRVGAQNHNYGGTLVPVAAYKVHEQ
UniRef90_UPI000258EF04 UniRef90_UPI000265790A	L T A A H C V K G K D I P K S W R L D S V R L G E Y D T N S N P D C V H E K Y D L T A A H C F H G Y K K S N F V R R R E S R K E Q A F T S K I E R L V V H P E Y
UniRef90 W5JTC6	I IS A A H CII IH N D W T IV V L IG E Y D R R T E S G Y E O R II IPIVID K II I L I IH E K
UniRef90 V4BEC0	VISSAH <mark>C</mark> I LIGRENPGENTTEPESEQRENTSI FYDNI NI KQT
UniRef90 D8MIA3	LIT A A H C D M E N M Q [ ] Y [ ] G   L   H N [ ] S R P N Q D Q K R R V   P K Q K F F C [ ] S
UniRef90_D2A3X0	L  T A A H C T Q G V  T A  I  T A  V L  G I  T D  L  N G S G G V  Q A Q A S R A  I  N H P N
UniRef90_U4TZZ2	LIT A A H CI IS A G T H R Y Q F RILIG S EILIWA Q G GIV L VIS S SIVIAII IR H PIL
UniRef90_UPI00042C900D	V H S F R L S R R S S W R V H A G L V S H S T V R P H Q G A V V E R I I A H P L
UniRef90_UPI0003C281A5	LITAAHCFPNEHSILEEGAYQILISNPSSEVQARAVAEVLIKNPA
UniRef90_A8QL57	LITAAH <mark>C</mark> NRDDLQLKLGVHNVHVHYEDEQLRVPKE <u>KLCC</u> LS
UniRef90_Q1RLV2	I T A A H C VE G K Q G S F F L R V G E H D V S K M D H G L E E Y H I H P R Y N
UniRef90_Q5E9Z2 UniRef90_B4P8D9	L T A A H C F P N E H S L E E G A Y Q L S N P S S E V Q A R A V A E V L K N P A L T A A H C N R D D I Q L K L G V H N V H V H Y E D E Q I R V P K E K L C C L S I T A A H C V E G K Q G S F F I R V G E H D V S K M D H G I E E Y H I H P R Y N L T A A H C T E I K T K Y L K G D Q D L T K T E F H E Q S F G V Q K L F K Y S H L T A A H C V E G V P P E L I T H N R S H S N D D I V I Q R Y V S R M K V H E L L T A A H C V H G Y E N N P S V F N V R Y G T N D R T R G P T V A V K K V N R H L T V A H C F E G R W K V V L G I N N L D H P G G H S Q S R G V R S I L V V H P R
UniRef90_A1KXI5	LITAAH <mark>C</mark> VHGYENNPSIVFNWRYGTNDRTRGPTVAWKKVNRH
UniRef90_UPI0003943118	LTVAHCFEGRWKVVLGINNLDHPGGHSQSRGVRSIIVHPR
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UniRef90_G3S4P4	SAAHCFTTYKNPARWTASFGVTLKPSKMKRGLRRIIVHEK
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UniRef90_UPI000329CB41	L T A A H C V D M V F L G A H E L K N T N E L G Q V R L M V H H N N F L L Y P S
UniRef90_M3WTT7 UniRef90_UPI0003594F1A	ITAAH <mark>C</mark> FQERP <mark>C</mark> PPSAQRSQEGT <mark>C</mark> HPAPRRSSPSARWALN LTAAHCFQDNRNPFAWSAIV
UniRef90_UPI0003594F1A UniRef90_F6WVD8	LISAAHCFRNHYYPSEWTVIQLIGELITSRPPFWNLIRTRRNRYK
UniRef90_F6WVD8 UniRef90_B3Y578	LITAAH <mark>C</mark> TSGFRKERITHDRSKVNETKTIDRKVSDITRHIIR
UniRef90_J3JZB7	I IT A S H C T T S G T Y RIV VIA GII IQ T D F NIVIF G Q Q T II IAIVIS FII I IN H P II
UniRef90_UPI0003F0C86D	L T A A H V Q E S P R Y V I L G A H D I D R Q E K T W Q I I P V K K V I M H P K L T A A H C F Q K G K A E D P G S W R L V L G K H Q F P L K R I Y R H E N F R Y
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UniRef90_E4XIE3	L S A A H C F Q E R Y D P H H G R T Y R E V P G E E E Q K F E V E K Y I I H E A L T A G H C C F T R Y L K Y R Y N A F D L A K G E H E V V V I P D E I V R H P Q L T T A T C V I E A N H I H V L A G S T Y R T G Q D S P L Y L V E K Y L L H P D
UniRef90_UPI0003C35693	LITTAT <mark>CVIEANHUHVL</mark> AGSTYRTGQDSPLYLVEKYLLHPD
UniRef90_H3D589	V S A A H C F S K D P R H W S A H L G M L T Q G S A K H V A G I Q R I V V H E Y
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UniRef90_H3CLF2	ITVADCYSREYTVOODGTNII VOORNAOKIDR ATEEETHDR
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UniRef90_T1JQV3	LIT A A H C F E N L R P S N Y L I G V G S N D L S A T V K H E V E E I K V H P N
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UniRef90_C5I7U1_	LIVAHCAQFFKDTLIYGDYHLTSIDEANHUELVALNHIDPG
UniRef90_B4KCW5	T A A H C T H T R N D E E R E N G A N H V N D P D G V F H E I D T V M K H P D  L T A A H C F E N L R P S N Y L I G V G S N D L S A T V K H E V E E I K V H P N  V T A G H C D Q Q P D R I R V V A G R T D K N T Q A G T V T G V S G I W V H P E  L T A T H C F H K H F R V V A G L R A L S A P G D Q T Q I R S I S K V K M H K D  L T A A H C E G I K T V L L G V H S I K E K K N E Q Q F R Q I V S R S V P H P C  L T V A H C A Q F F K D T I Y G D Y H L T S T D E A N H I E L V A L N H T D P G  L T A A H C T E V D G D A P K W R M I D E V T V E P Q N F D D R V N N P D  L T A A H C T E V D G D A P K W R M I D E V T V E P Q N F D D R V N N P D
UniRef90_T1GED1	L T A A H C L Q L P K G Q S N W K P L N V R L G E W D L A K D D D C Y N N L Q L L A G H C V V G A L E T E V G P L A T L H L G E Y D L S K E L D C L Q Q D C N L S A A H C F E K N S Y P S E W S V Q F G E L S A T P S I W Y G V Q D I I T F S L T A A H C F R N N L R V A L G R H N L G A E E D T S Q L V P V S Y A F P H P L L T A A H C F A Q T F D M Y V G L T N L E V A N K H T Q W F E L N Q V I L H P T
UniRef90_W8BLL3	LIAGHUV VIGALLE I EVIGPLIA I LIHLIGEY DI SKELIDCI QQD CN
UniRef90_E1B7M0	ILDAAHCERNNIRWAIGPUNIGAEEDTSOLWRWYGVQDIIIIFS
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UniRef90_UPI0002C477B2 UniRef90_UPI0003EC18F2	90 100 110 120  N F E G Q S P H D I   A   L   K   L   S S S   V T Y K K Y   V Q P V   C   V V D S T V E F Q N R Y Q T A W H G D D I   M   L   K   L   S R K   V   Q   L N K R   V   K   I   P   L P S A K   V   Q   L R K N
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UniRef90_B5BSX4 UniRef90_B4N9K8 UniRef90_A0A026WCC0	N F E L S S Y H N D I   A I L K L H R P A V F N T Y V W P I C L P P A D L D L T N N Y D T P K Y H N D I A L L R V N Q S I V F D A H T Q P V N L P I G P W A A S G Y K R P A E Y H D I A I L R L E R E V T Y N E W V R P A C L P V D W P D V G S D
UniRef90_P48038 UniRef90_B4GYY4 UniRef90_A0A034V2J2	Y N Y M T E G N D I   A L L   K I   T P P   V   P   C G P F I   G P G   C   P N S K A G P P K Q Y D Q P Y L H N D I   A L V K L T Q N I   T F N E L T Q P I K L P T R P V R E G D E Y G S N G M A H D I   A L I   R L   A S P L   T F S S L I   K P I   A L   A E T A P A D D V V
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UniRef90_T1JCX9	YNPTDLINDIALVKLHLAVNNSNPTTVPPCFPRPDINYTA
UniRef90_UPI00027F6627	SLSAWGGADIALLKLETPVTLSNLVHPVSLAPDSLMLLPG
UniRef90_U3J2T3	YRFKGDVPYNDIALIKLKPVDGHCAVFSKYVKTVCLPNFY
UniRef90_Q2TJC1	Y D A E T N D N D I A L L R L Y N E V K L S D D V G I A C L P S Y S Q S P G R S
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UniRef90_UPI00029D6D86	YSWKEGSRADIALVHLEHALQESERVLPLCLPDQLSPDTD
UniRef90_A6QPZ2 UniRef90_F1P0H2 UniRef90_T1GLG0	Y N A S I N K Y S H D I A L L E L D E P L E L N S Y V T P I C I Y T N I F L K F Y H R N N M A N D I A L L E L D Q P V Q C S Y Y I Q L A C V P D A S L R V S E L Y K G E T T P F D L A L L Y V K E P F I W N S A V Q P V N L P E P F S E P T G T
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UniRef90_G1Ml39 UniRef90_W4XBC8 UniRef90_L8YD80	Y K T S S N D N D I A L ME L S N G I T F G Y N T Q P V C L P N A G M F W S S G Y S W K E G S R A D I A L V R L E H S V R F S E R I L P V C L P D R L S P N K R Y D S E T I A N D I G I I K F K T P I K F V N D Y I S P I C L G V H D D Y T Q Y F K R V N M D N D I A I L V G S P I T F S D I L P I C L G V P D S K W H
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UniRef90_L5LVL6	YDVTTNVHNIMLLKLSSPAKISPTVRIMKVPSSCKOPGTS
UniRef90_D6WWT7	FSYHELDNDFSVITLKEPVEYSDKARSIDISNADHDGGTV
UniRef90_T1JQV3	YDNHQFYNDIALVRLKKKLTFNEAVRPLCLPFDYIKSPYN
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UniRef90_T1GED1	YNEDTISNDI GLIRLASKVQFSAFI QPI CLPFGFDSKMRN
UniRef90_W8BLL3	PNNNRHHDI ALLRIAFDVTYSDFI RPVCI PROADDVGF
UniRef90_E1B7M0 UniRef90_I3NG91 UniRef90_UPI0003D08C60	Y N

	400
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UniRef90_V8N9U5 UniRef90_I3NB26	KFGI GTVSGWGYQGRQASTLQVLQIRFI DRPT <mark>C</mark> LRSSSYP TD <mark>C</mark> WVTGWGDIREGEPSPYTLQEVQVSIINTTI <b>C</b> NHLYQM
UniRef90_B5BSX4 UniRef90_B4N9K8	T D C WVT G W G D I R E G E P S P Y T L Q E V Q V S I I N T T I C N H L Y Q M E I A T V I G W G T Q W Y G G P H S N V L M E V S V P V W D H Q C V D A F V D S A Q L L F T G W G T Q S I S G S T P A R L Q R V Q Q Q Y I T S Q T C K S L L S D
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UniRef90_P48038 UniRef90_B4GYY4	I V L T G W G A E E A Y G S S A E N L Q K L S L G F V P L D E C K E I F N Q T S
UniRef90_A0A034V2J2 UniRef90_H2L3L9	LSCWVTGWGAPQTNAPPPQRLQQVSVPIVSNLQCNAAYGT
UniRef90_UPI0003F0C8D7 UniRef90_K7J1U7	A Y <mark>C F V T G W G V T K M E G S Q S Q F L Q E A Y V P L I   S K T V C N A Y E G Y A T <u>A I L L</u> A G W G S Y G P N N Y T P R <u>K L Q H I R L Q V I   S R N K C</u> A N E W K T</mark>
UniRef90_H2SL20 UniRef90_E3BE85	A Y C F V T G W G V T K M E G S Q S Q F L Q E A Y V P L I S K T V C N A Y E G Y A T A L L A G W G S Y G P N N Y T P R K L Q H L R L Q V I S R N K C A N E W K T C E I A G Y G K E Q H G S W F R S Q Y L R E T Q V N V I S D D V C R Q E D Y Y G L D V A G W G K T R A N D N N S S P Y I L Q E V E V P Y V D H G T C T N L G N N H A V V S G W G K R S E E D E A L P A L L R A V E V E I V D R G T C G A Q Y Y T T S V L V T G W G T T S E G S S S P S A L Q G V T V Q I V S Q S T C S S A Y G S T K C H V A G W G S T K K N C G I S D T L R E V N V T V I D R K I C N N A K H F T G C Q V A G W G T T R R R R G R L S R V P R V L N V T V T D A N Q C R Q V C Q V A G W G T T K T H G K P V D E L R V V D V S V I Q R K V C E P Q W P G T V C T V I G W G K K E D T E T S E Y E P A V N E V T V P C N A W L V H R D L N C H V S G W G R T S Q N Y E N S F V L P E K L Q C V E L S N N E C S H A H M F K Q L A F V S G W G T L A P R P P A P H L Q E A E V P I V R T R A C E R M Y H Q S F P V G T D C F W G A T E T D D I S H Q L L D A N V K L I S Q K Q C N A P S A Y
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UniRef90_G3N2H4 UniRef90_UPI000329FF55	QV QV A G W G T R R R R G R L S R V P R V L N V I V I P A N Q C R QV C QV A G W G T R K T H G K P V D E L R V V D V S V I Q R K V C E P Q W P G
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UniRef90_T1JCX9 UniRef90_UPI00027F6627	QL A F V S G W G R I G E G E P V S S T L L K T N L P I I S N W Q C R F G V N V M K C W V T G W G T L A P R P P A P H L Q E A E V P I V R T R A C E R M Y H Q S
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UniRef90_UPI00035C46D0	A <u>T   V L  </u> G W G A T S E G G <u>G</u> P S D <u>L L   R K A T   V   P   V V   A D</u> S E <mark>C</mark> G <u>E</u> T <u>Y</u> G S N F
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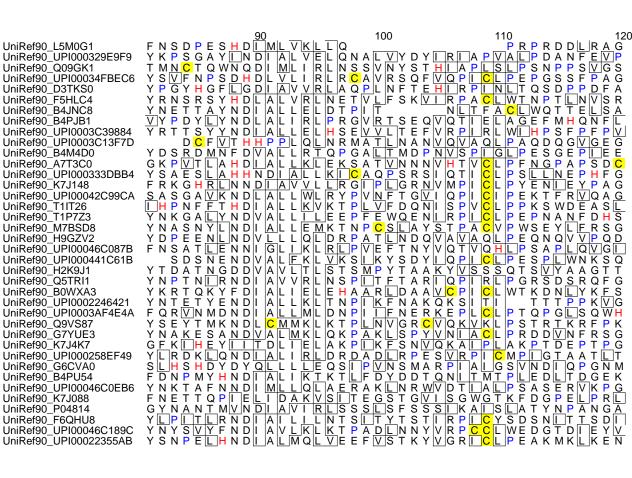
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