```
QUERY
UniRef90_UPI000429BE44
UniRef90_UPI00047929C4
UniRef90_JBTVQ5
UniRef90_UPI0003F97038
UniRef90_UPI0003655AC7
UniRef90_UPI0003655AC7
UniRef90_WF0MDL0
UniRef90_W7CV34
UniRef90_W7CV34
UniRef90_Q67RH1
UniRef90_A5USQ7
UniRef90_A1HS44
UniRef90_F4A138
UniRef90_W0EB20
UniRef90_UPI0003813775
UniRef90_UPI000347C44CB
UniRef90_UPI00047C44CB
UniRef90_W8YQI4
 QUERY
 UniRef90_W8YQI4
UniRef90_UPI00028913BF
 UniRef90_R3WA27
UniRef90_S1R7E2
UniRef90_S1R7E2
UniRef90_B1R7E2
UniRef90_H3NFV6
UniRef90_D6T117
UniRef90_R9LCW9
UniRef90_R2NTZ5
UniRef90_UP100047E0D7C
UniRef90_W2E900
UniRef90_R2TGS4
UniRef90_R6LK21
UniRef90_C0D4J9
UniRef90_C0D4J9
UniRef90_U5S7Y6
UniRef90_U5S7Y6
UniRef90_U5EGA0
UniRef90_C5EGA0
UniRef90_G2EJA0
UniRef90_G2SWP8
UniRef90_G2SWP8
UniRef90_DSSU9
UniRef90_D9SSU9
UniRef90_E6UDH3
UniRef90_T0IJX5
UniRef90_C8W843
UniRef90_I9L021
UniRef90_UPl00036FAA9F
UniRef90_UPl000219707A
UniRef90_UPl00047A2680
 UniRef90_R9BV97
UniRef90_R6PZN5
                                                                                                                                                                                                                                                                                                         DVAAAE

DKT

AAE

NAAE

EKRO

OQPHANI

KRO

OQPHANI

EKRO

OQPHANI

KRO

OPHANI

EKRO

OPHANI

NA

KKRO

OPHANI

ITEL

I
 UniRef90_R6WFR5
UniRef90_R9BYY3
UniRef90_UPI00037998B5
  UniRef90_D4M7P1
UniRef90_D4M/P1
UniRef90_B1BAT4
UniRef90_UPI00035D01D7
UniRef90_S2ZT97
UniRef90_S4ZSV8
UniRef90_A5Z991
UniRef90_W4QQI0
UniRef90_E3BU93
UniRef90_UPI0002D2B12B
UniRef90_UPI0002D2B12B
UniRef90_E0S147
UniRef90_E8SEM5
UniRef90_B3FSR9
UniRef90_F2JN74
UniRef90_E3DS05
UniRef90_M7EII2
UniRef90_M5RU08
UniRef90_W5RU08
UniRef90_UPI000364A338
UniRef90_UPI00036B0D45
UniRef90_UPI00036B0D45
UniRef90_D8MGY5
UniRef90_D8MGY5
UniRef90_B8AKX3
UniRef90_K6DX70
UniRef90_M1VLE8
 UniRef90_M1VLE8
UniRef90_U1WY95
UniRef90_B1QXD4
 UniRef90_D2RPS7
UniRef90_E0E3C6
UniRef90_Q53778
 UniRef90_M0H7R0
UniRef90_Q67LM6
UniRef90_S5ZZB5
  UniRef90_B9L544
 UniRef90_K0NZJ3
UniRef90_H9UI73
 UniRef90_M0D2M5
UniRef90_D3QZU0
  UniRef90_M1XNA0
 UniRef90_G1Y2D2
UniRef90_UPI000365A11E
UniRef90_D7GTZ8
```

UniRef90_UPI000473F41F

MIRCON M
Umrefe00_UPri0003#55AC7 White A F E T D E W W E E F K A V S E V P T L N Q Q G K L S S A A A D T T T T T T T T T
UNRESDO. UPPLO003997038 WD. L. E. D. I. F. A. T. D. E. E. WE K. E. F. K. E. I. K. E. E. L. P. K. M. E. S. F. K. G. I. L. G. D. A. A. E. N. UNRESDO. UPPLO0395365AC7 WD. L. E. A. I. F. A. T. D. K. E. W. K. E. K. E. K. E. K. E. K. E. L. P. K. M. E. S. F. K. G. II. L. G. D. A. A. E. N. UNRESDO. VORMOLO. WR. L. E. D. I. Y. P. T. D. A. A. WE. E. D. L. G. K. A. K. K. L. A. E. E. I. A. T. K. K. G. T. L. G. D. S. A. H. UNRESDO. VORMOLO. WR. L. E. D. I. Y. P. T. D. A. A. WE. E. D. L. G. K. D. K. T. L. G. D. S. A. H. UNRESDO. VORMOLO. WR. L. E. D. I. Y. P. T. D. A. A. WE. E. D. L. G. K. D. F. W. L. E. D. I. Y. P. T. D. A. A. WE. E. D. I. G. K. D. K. T. L. G. D. S. A. H. UNRESDO. VORMOLO. WR. L. E. D. I. Y. P. T. D. A. A. WE. E. D. L. G. K. D. K. T. L. G. D. S. A. H. UNRESDO. WORDS. WR. L. E. D. I. Y. P. T. D. A. A. WE. E. D. I. Y. P. D. A. W. E. D. L. Y. W. L. E. D. I. Y. P. D. D. A. W. E. D. D. A. W. E. D. L. Y. W. L. E. D. I. Y. P. D. D. A. W. E. D. D. A. W. E. D. J. Y. W. D. J. T. T. I. Y. W. D. D. A. W. E. D. D. A. W. E. D. J. Y. W. D. J. T. T. I. Y. W. D. D. A. W. E. D. D. A. W. E. D. J. Y. W. D. J. T. T. I. Y. W. D. D. A. W. E. D. D. A. W. E. D. J. Y. W. D. J. T. T. J. Y. W. D. D. A. W. E. D. D. A. W. E. D. J. Y. W. D. J. T. T. J. Y. W. D. D. A. W. E. D. D. A. W. E. D. J. Y. W. D. J. T. J. Y. W. D. J. A. W. E. D. J. Y. W. J. J. T. J. Y. W. D. D. A. W. E. D. J. Y. W. J. T. J. Y. W. J. J. T. J. Y. W. J. J. J. J. W. J.
UniRef90 V98A254 UniRef90 W9A254 UNiRef90 A H9E D L M W L E D L M F E D L M W L E D L M W L E D L M F E D L M W L M W L E D L M W L M W L E D L M W L M W L E D L M W L M W L E D L M W L M W L E D L M
UniRef90 V98A254 UniRef90 W9A254 UNiRef90 A H9E D L M W L E D L M F E D L M W L E D L M W L E D L M F E D L M W L M W L E D L M W L M W L E D L M W L M W L E D L M W L M W L E D L M W L M W L E D L M
URREF90 CAPTCOV34 WD L D T T I F K S D, D A WE A S F IV A L K E E V K E A O A F O G K L G E S S D M D URREF90 CAPTCOVA WE L E D L T A L V G S V L B A L WE A D D V A R WE A D V A G M L S D V A A V V G G R V A A A D N A S WE A D V A S WE A D V A G M L S D V A A V V G G R V A A A D N A S WE A D V A S WE A D V A G M L S D V A A V V G G R V A A A D N A S WE A D V A S WE A D V A G M L S D V A A V V G G R V A A A D N A S WE A D V A S WE A D V A G M L S D V A A V V G G R V A A A D N A S WE A D V A S W
UNINGERO JOHNSON STATES UNINGERO STATES UNINGERO JOHNSON STATES UNIN
UniRed90 UP100032813775 WR L E DI J F P S D D A WEE E E F J K R L K D M V P A ME K Y K G R L G S A D D Q UNIREd90 UP10003281375 WR L E DI J F P S D D A WEE E E F J K W Y E K S K L A G A A A S Y N G T L G N S A E Q A G M S Q F Q G T V G S S A C A K UNIRED UP10003281375 WR L E DI J F P S D D A WEE E E F J K W Y E A L S E K A S A Y N G T L G N S A E Q A A C A K UNIRED UP1000328138F UNIRED90 UP1000328138F UNIRED90 S187E2 UNIRED90 S187E3 WN L E SI I Y A T N E E WE Q D F K R I Q G N J S E K G T L A N G A K A C A K UNIRED90 DE1003280138F UNIRED90 S187E2 UNIRE
URREF90_UPI0003813775 URREF90_UPI0003764CB URREF90_UPI0003764CB URREF90_UPI0003764CB URREF90_UPI0003764CB URREF90_UPI0003764CB URREF90_UPI0003764CB URREF90_UPI0003764CB URREF90_UPI0003796BBS URLE_DIF_ET_D_T_A_WEE_EF_K_A_I _GK_LA_GA_A_S_Y_GT_L_GD_S_A_A_K_A_I _GK_URREF90_UPI00039794CB URREF90_UPI00039793BF URREF90_UPI00039794CB URREF90_UPI0003796BBS URLE_DIF_ET_D_T_A_WEE_EF_K_A_I _GK_LA_GG_A_A_S_Y_GT_L_GD_S_A_A_K_A_I _GK_URREF90_UPI00039794CB URREF90_UPI0003797AAB URLE_DIF_ET_D_T_S_E_A_URREF90_UPI0003798BB URREF90_UPI0003798BB URLE_DIF_ET_D_S_A_URREF90_UPI0003798BB URLE_DIF_ET_D_S_A_URREF90_UPI0003798BB URREF90_UPI0003798BB URREFP0_UPI0003798BB URREF90_UPI0003798BB URREFP0_UPI0003798BB URREFP0_UPI003798BB U
UniRée99 UP100047244CB WR L E DI F A T D A A WD K E PUR E VIS RILSE QLIS IL GO S S A Q A K UNIRÉE99 UP100047244CB WR L E DI F A T D A A WD K E PUR N VE A L S E K A S N Y Q G T L Q D G A E A A K UNIRÉE90 UP1000474CB WR L E DI F A T D A A WD K E PUR N VE A L S E K A S N Y Q G T L Q D G A E A A K UNIRÉE90 UP1000474CB WR L E DI F A T D A A WD K E PUR N VE A L S E K A S N Y Q G T L Q D G A E A A K UNIRÉE90 SISNEY WR L E DI F A T D A A WD K E PUR N VE A L S E K A S N Y Q G T L Q D G A E A G N Y Q A M D L T K I F A S D E A WE A R D K L T T L K G D G A C A B L T T L T L T L T L T L T L T L T L T
Unikergo WeyQi4
Unikerigo Rismrez
UniRel90_DST117
UniRei90
Unire(90
UniRef90_V2E900
Unire190 R21GS4
Unirer90
UniRef90_C5EGA0 WN L E D MY JA S D S Q W Q Q L E E A S S K V K Q Y A D Y K G R L D E S A D T UniRef90_C5EGA0 WN L E D MY JA S D S Q W Q Q L E E A S S K V K Q Y A D Y K G R L D E S A D T W I L E D MY JA S D S Q W Q L L E E A S S K V K Q Y A D Y K G R L D E S A D T W I L R D MY JA S D S Q W Q L L E E A S S K V K Q Y A D Y K G R L D E S A D T W I L T K Y S K K D L D K K L L T E S P Q T L N R G R L D L S K Y K T A W E A D L M K D Y D E S L W E K L D L A K L L E G S V M A S A E K W L S Q S M M Y A S K T A W E A D L M K E L A K K L S E Y Q G K L K E A N M U N K I F A S D D K W E E A F K W A A L W K L L E G S V M A S A E K W L M M Y A S K T A W E A D L M K E E A F K K L D E W G M A Y K G R L G E S A D T W M L I E D L F P T D E A W E A A L E E F K K L P E R V A A Y K G R L G E S A D T W A L E D L F P T D E A W E A A L E E F K K L P E R V A A Y K G R L G E S A D T W A L E D L F P T D E A W E A A L E E F K K L P E R V A A Y K G R L G E S A D T W A L E D L F P T D E A W E A A L E E F K K L P E R V A A Y K G R L G E S A D T W A S K T A W E A D L M K M E E A F K D L A K L E E S Y G G K L K E A N M L A K L E C M M Y A Y K G R L G E S A D T W A M Y A S K T A W E A D L M K M E E A F K M L A Y K G R L G E S A D T W A M Y A S K T A W E A D L M K M E E A F K M L A Y K G R L G E S A D T W A M Y A S K T A W E A D L M K M E E A F K M L A A Y K G R L G E S A D T W A M Y A S K T A W E A D L M K M E E A F E A G L L E L K A Y M Y A Y K G R L G E S A D T W A M Y A S K T A W E A D L M K M E E A F E A G L L E L K A Y M Y A Y K G R L G E S A D T W A M Y A S K T A W E A D L M K M E E A F E A G L L E L K M K Q P K L L A F K G K L S T A A Y T M L M R E L M Y A Y K G R L G A M Y A Y K G R L G A M Y M L A M Y M L A M L A K M L A K M L M K M L M L M L M L M L M L M L M
UniRef90_D9SSU9
UniRef90_D9SSU9
UniRef90_DSSU9
Uniref90
UniRef90
UNIRE90_R8BV97 UNIRE90_R8BV97 UNIRE90_R8BV97 UNIRE90_R8BV97 UNIRE90_R9BV93 UNIRE90_UP100037998B5 UNIRE90_UP100037998B5 UNIRE90_UP100035D01D7 UNIRE90_S2ZT97 UNIRE90_S2ZT97 UNIRE90_S2ZT97 UNIRE90_ASZ991 UNIRE90_ASZ991 UNIRE90_UP10002D2B12B UNIRE90_UP10002D2B12B UNIRE90_UP10002D2B12B UNIRE90_UP10002D2B12B UNIRE90_UP10002D2B12B UNIRE90_UP10002D2B12B UNIRE90_UP10003E0D04 UNIRE90_UP10003E0D04 UNIRE90_UP10003C05 UNI
UNIRE90_R8BV97 UNIRE90_R8BV97 UNIRE90_R8BV97 UNIRE90_R8BV97 UNIRE90_R9BV93 UNIRE90_UP100037998B5 UNIRE90_UP100037998B5 UNIRE90_UP100035D01D7 UNIRE90_S2ZT97 UNIRE90_S2ZT97 UNIRE90_S2ZT97 UNIRE90_ASZ991 UNIRE90_ASZ991 UNIRE90_UP10002D2B12B UNIRE90_UP10002D2B12B UNIRE90_UP10002D2B12B UNIRE90_UP10002D2B12B UNIRE90_UP10002D2B12B UNIRE90_UP10002D2B12B UNIRE90_UP10003E0D04 UNIRE90_UP10003E0D04 UNIRE90_UP10003C05 UNI
UniRef90_R9BYY3
UniRef90_R9BYY3
UniRef90_UP100037998B5
UniRef90
UniRef90_S2ZT97
UniRef90_S4ZSV8
UniRef90_W4QQI0
UniRef90_UPI0002D2B12B
UniRef90_E8SEM5
UniRef90_E3DS05
UniRef90_M5RU08 UniRef90_UPI000364A338 UniRef90_UPI00036B0D45 UniRef90_F6B8C9 UNIREF90_D8MGY5 WD L S SI F A S D Q D WE A Q Y Q G L A D A I E Q A Q D L S G H L A Q S A Q D U L A L A D L A S WE A E Y K K L D D Q I A T Y E T Y R G R L G E S A D V L S L L D L A L A D L L L L L L L L L L L L
UniRef90_M5RU08 UniRef90_UPI000364A338 UniRef90_UPI00036B0D45 UniRef90_F6B8C9 UNIREF90_D8MGY5 WD L S SI F A S D Q D WE A Q Y Q G L A D A I E Q A Q D L S G H L A Q S A Q D U L A L A D L A S WE A E Y K K L D D Q I A T Y E T Y R G R L G E S A D V L S L L D L A L A D L L L L L L L L L L L L
UniRef90_M5RU08
UniRef90_VPI00036B0D45 WD L A A M Y K D Q A A F E A D Y Q K A E E K I A D L A H Y E G K L G Q S S Q M UniRef90_UPI00036B0D45 WD L T T I F P T D E A WE A E L A D L T S E I E K S K E F A G H L L D S A K T UniRef90_F6B8C9 WD L G A M Y K D P A E V D Q D L A R I K E L L E Q F K G F S G K L N D K E T UniRef90_D8MGY5 WD L S T I F D S D N D W F A F A A V K O F A F M S R F V G H V G D S A A I
UniRef90_UPI00036B0D45 WD L TTILFPTDEAWEAEL ADLTSEILEKSKEFAGHLLDSAKT UniRef90_F6B8C9 WD L GAMYKDPAEVDQDLARIKELLEQFKGFSGKL NDKET UniRef90_D8MGY5 WD L STILFDSDNDWELAFAAVKOFAFMISRFVGHVGDSAAI
UniRef90 D8MGY5 WDLSTIFDSDNDWELIAFAAVKOFAFMIISRFVIGHVIGDSAAI
UniRef90_I8AKX3 WDLTDIIYSSLSDWEKDYQHIVLDMTEQLKKYDGNI QSGAT
UniRef90_K6DX70 WNLSDIYADVSKWEEDYQLIEQMAKELKKFDGEINDGNS
UniRef90_M1VLE8 WDLSRLYADKSEWERDFTACSGPWEKLLSFRGRVTQSPETUniRef90_U1WY95 WRLEDIYADRAAWEADVKKLTQLADAFSKHQRKIGQSAGN
UniRef90_U1WY95 UniRef90_D1WY95 WRLEDIYADRAAWEADVKKLTQLADAFSKHQRKIGQSAGN UniRef90_D2RPS7 UniRef90_D2RPS7 WDLKSLYATDDDWEAAYEAVAERVDELAAYEGQVTDDAET UniRef90_E0E3C6 WDLDKMYPNREAMEADIAYIEGGLKEVASYKGKLSDSADS UniRef90_Q53778 WDLDKMYPNREAMEADIAYIEGGLKEVASYKGKLSDSADS UniRef90_Q53778 WDLTTVFATDELWETEVVELTQAIDNAKGFSGHLLDSSQS
UniRef90_E0E3C6 WD L D K M Y P N R E A M E A D T A Y I E G G L K E V A S Y K G K L S D S A D S UniRef90 Q53778 WD L T T V F A T D E L WE T E V V E L T Q A I D N A K G F S G H L L D S S Q S
Unikei90_won/ko woll U S I Y I S D E E W D A A Y E E V A E K I P E L A A Y E G H V I D D P E I
UniRef90_Q67LM6 WN L H D L F P S H E A WE A E G K A I I E A D L P A V T Q Y K G R L A E G P A T UniRef90_S5ZZB5 WN I E L L F K N D E E WE A A L A S I P A G G K E I L K Y K E A F S K D A A T
UniRef90_B9L544 WNLADLFASPEDWEREREAVLAELAKLESLRGTLQQGPRQUniRef90_K0NZJ3 WDLSRIFKSVSDWQAACDQLDQEVEQVGDLEADFTASGRQ
UniRef90_KONZJ3 WDLSRIFKSVSDWQAACDQLDQEVEQVGDLEADFTASGRQUniRef90_H9UI73 WNLDSLFASDSEWEAALQQLNDTSARIPEFRGTLGNSARA
UNINCHIAN DOMANUM WINTEN ATTENA EN ELE EN ELLI MININETE IL IN ELLI IN EL ALGENTI MEN A GIN
UniRef90_M1XNA0 WDLADLFADDEAWEAAYEAVEERIGALSAYEGRVTESATT UniRef90_G1Y2D2 WDLSDYYKSPADWDAARAKIKAELPGLAKYKGTLAKGPAA
UniRef90_UPI000365A11E WNLNDIFETQEAWEKELIAVQQDLTTVTKYEGRLGEGADM
UniRef90_D7GTZ8

United		
Umref90 VP00029913BF Umref90 SRV624 Umref90 SRV625 Umref90 SRV626	QUERY	
Umref90 VP00029913BF Umref90 SRV624 Umref90 SRV625 Umref90 SRV626	UniRef90_UPI000429BE44 UniRef90_UPI00047929C4 UniRef90_J8TVQ5	L Y D F Q K E D E V T K K K K K K L Y T Y A H M R Y D Q D T T N S F Y Q G L N D
Umref90 VP00029913BF Umref90 SRV624 Umref90 SRV625 Umref90 SRV626	UniRef90_UPI0003F97038 UniRef90_D3FV19	L Y Q C L Q T Q D E L G A R F G R L F S Y A H M R A D Q D T G N S F Y Q G L E D L Y E A L Q K Q D E I S E R L N R L Y T Y A H M R N D E D T T N S L Y Q G L H D
Umref90 VP00029913BF Umref90 SRV624 Umref90 SRV625 Umref90 SRV625 Umref90 SRV625 Umref90 SRV626	UniRef90_V6MDL0	L HE AL TLQ DELL Q TL D Q V Y Y Y A R M R R D E D N A N S K Y Q G L T D L Y N ML L L Q D K L IS Q R L G K L Y T Y A R M R R Y D E D T T N S W Y Q G L N A
Umref90 VP00029913BF Umref90 SRV624 Umref90 SRV625 Umref90 SRV625 Umref90 SRV625 Umref90 SRV626	UniRef90_W7CV34 UniRef90_Q67RH1	L Q A MRYRDELYDRLGNLYVYA HLK Q D Q D T T N T T Y Q G L Y S L L Q A L K MR D E V S K L L E Q V V V W A R M K E D E D T A N S T Y Q A L S A
Umref90 VP00029913BF Umref90 SRV624 Umref90 SRV625 Umref90 SRV625 Umref90 SRV625 Umref90 SRV626	UniRef90_A1HS44	L LKCL K AR DE A GITT A G KL LY AY AR MRR DE NS A NA KY QAL A G LY NAL KLRDE I SQLAERL F TY AR MRR DE DNANT KY QAL A D
Umref90 VBYQ14 Umref90 SAWA27 Umref9	UniRef90_W0EB20 UniRef90_UPI0003813775	L TA CFEWMDGVGSDLEEI YTYARMRRDEDNREALYQGMTD LYSFT WQDTL LERMGRLYTYAHMRYDEDTQNGHYQGMND
UNRESSO SENSOS UNINESSO SENSOS UNINESS	UniRef90_UPI00047C44CB UniRef90_W8YQI4 UniRef90_UPI00028913BF	L K A
UniRei90 DSSU98 L L A A L E L G A R A E Q K II D L A F N Y A E R L F D Q D Q K N T E H Q A M S Q UniRei90 DSSU9 L L E F L K L D D E K I S R D V E K II M M Y A F L K S D E D T A V I A K Y Q G Y I V G UniRei90 DIJX5 L L E F L K L D D E K I S R D V E K II M M Y A F L K S D E D T A V I A K Y Q G Y I V G UniRei90 DIJX5 L L E F L K L D D E K I S R D V E K II M M Y A A R K S D E D T A V I A K Y Q A Y V G UniRei90 DIJX5 L L E F L K L D D E L S I V I V A D K L F A Y A R L K D E D T A V I A K Y Q A Y V A UNIREi90 UP100036FAA9F UNIREi90 UP100036FAA9F L L S A C F E L E D D I S L H T E R L Y V Y A N M R H H E D T A E P Q Y Q S L S E UNIREi90 UP100047A2680 UNIREi90 UP100047A2680 UNIREi90 PROVATO UNIREi90 PROVATO UNIREI90 ROBVATO UNIREI90 ROBVATO UNIREI90 ROBVATO UNIREI90 PROVATO UNIREI90 PROVATO UNIREI90 PROVATO UNIREI90 UP100037998B5 UNIREI90 UP100037998B5 UNIREI90 UP100037998B5 UNIREI90 L E K K L S C D M M R V Y C Y A M C K S D E D T K G M A S L Y D Y I L L R K L S G D M M R V Y C Y A M C K S D E D T K Y A A L L B C L E L E L E L E L E L E K L V Y Y A A H L K C D D T N S F Y Q G M A S L I E Y L K L E L E R L V Y Y A A H L K K D D D T Y S A L E S UNIREI90 UP100037998B5 UNIREI90 DS S C L E L E S K T G Q T L E K L S Y Y A M C K S D E D T K Y A A L L A S R L L E Y L K L E D R V A L L S Y L K L D E L S K L S G D M M R R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L N R Y A D L N R Y Y A M M R M H E D S A N A F Y Q G M A S L N R Y A D L N R Y Y Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M	UniRef90_R3WA27 UniRef90_S1R7E2 UniRef90_H3NEV6	FLAAI EFLLDVYRKVEVIYVYSHLKNDQDTANSTYQAI YA FLAALEY <mark>C</mark> LDVMRQLETLYVYSHLKNDQDTANSTYQAI HS
UniRei90 DSSU98 L L A A L E L G A R A E Q K II D L A F N Y A E R L F D Q D Q K N T E H Q A M S Q UniRei90 DSSU9 L L E F L K L D D E K I S R D V E K II M M Y A F L K S D E D T A V I A K Y Q G Y I V G UniRei90 DIJX5 L L E F L K L D D E K I S R D V E K II M M Y A F L K S D E D T A V I A K Y Q G Y I V G UniRei90 DIJX5 L L E F L K L D D E K I S R D V E K II M M Y A A R K S D E D T A V I A K Y Q A Y V G UniRei90 DIJX5 L L E F L K L D D E L S I V I V A D K L F A Y A R L K D E D T A V I A K Y Q A Y V A UNIREi90 UP100036FAA9F UNIREi90 UP100036FAA9F L L S A C F E L E D D I S L H T E R L Y V Y A N M R H H E D T A E P Q Y Q S L S E UNIREi90 UP100047A2680 UNIREi90 UP100047A2680 UNIREi90 PROVATO UNIREi90 PROVATO UNIREI90 ROBVATO UNIREI90 ROBVATO UNIREI90 ROBVATO UNIREI90 PROVATO UNIREI90 PROVATO UNIREI90 PROVATO UNIREI90 UP100037998B5 UNIREI90 UP100037998B5 UNIREI90 UP100037998B5 UNIREI90 L E K K L S C D M M R V Y C Y A M C K S D E D T K G M A S L Y D Y I L L R K L S G D M M R V Y C Y A M C K S D E D T K Y A A L L B C L E L E L E L E L E L E K L V Y Y A A H L K C D D T N S F Y Q G M A S L I E Y L K L E L E R L V Y Y A A H L K K D D D T Y S A L E S UNIREI90 UP100037998B5 UNIREI90 DS S C L E L E S K T G Q T L E K L S Y Y A M C K S D E D T K Y A A L L A S R L L E Y L K L E D R V A L L S Y L K L D E L S K L S G D M M R R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L N R Y A D L N R Y Y A M M R M H E D S A N A F Y Q G M A S L N R Y A D L N R Y Y Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M	UniRef90_D6TI17 UniRef90_R9LCW9	LHVLRKRDEVGEVLERLYVYTSMRRDEDTTNSLYQGMAD LKAVFELEDELSLQLERLYVYAHLHHDEDTTNPTYQALYQ
UniRei90 DSSU98 L L A A L E L K L D D E K I S R D V E K I M M Y A F E L K D D D Q Q K N T E H Q A M S Q UniRei90 DSSU9 L L E F L K L D D E K I S R D V E K I M M Y A F E L K S D E D T A V I A K Y Q G Y V G UniRei90 DIJX5 L L E F L K L D D E K I S R D V E K I M M Y A F E L K D D D T A V I A K Y Q G Y V G UniRei90 DIJX5 L E F L K L D D E K I S R D V E K I M M Y A F E K S D E D T A V I A K Y Q A Y V G UniRei90 DIJX5 L E F L K L D D E L S I V I A D K I E A Y A R E L K D E D T A V I A K Y Q A Y V G UniRei90 DIJX5 L E F L Q L E D Q M N L L I Y K I L N Y A E R K S D E D T R V I A K Y Q A Y V A UNIREi90 UPI000219707 L I S A C F E L E D D I S L H T E R L Y V Y A N M R H H E D T A E P Q Y Q S L S E UNIREi90 UPI00047A2680 L I E F Y K L D E K A S R L L E K L L V Y A A D Q S D D D T G N N D E F Q I L R S UNIREi90 Reisvay UniRei90 Reisvay L L E F Y K L D E K A S R L L E K L L V Y Y A H Q R S D E D T G N N E F Q I L R S UNIREi90 Reisvay UniRei90 Reisvay UniRei90 Reisvay UniRei90 Reisvay UniRei90 L R R K S D E D T G N N E F Q I L R S UNIREi90 L R S UNIREi90 L R S L L L R K L S G D M M N I V Y C Y A M G K S D E D T G N N E F Q I L R S UNIREi90 L R S L L L R K L S G D M M N I V Y C Y A M G K S D E D T G N N A S Y Q G M A S UNIREi90 L R S L L L R K L S G D M M N I V Y C Y A M G K S D E D T G N N A F Y Q G M A S UNIREi90 L R S L L L R K L S G D M M N I V Y C Y A M G K S D E D T G N N A F Y Q G M A S L I K E L L R K L L R E L R K L S G D M M R I V Y Y Y A M M R M H E D S A N A F Y Q G M A S L I K E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L I K E Y L K L E L R K L S G D M M R I V Y Y Y Y M M R M H E D S A N A F Y Q G M A S L I K E Y L K L E L E R K L S G D M M R I V Y Y Y Y M M R M H E D S A N A F Y Q G M A S L I K E Y L K L E L E R K L S G D M M R I V Y Y Y A M M R M H E D S A N A F Y Q G M A S L I K E Y L K L E L E R K L V Y Y Y A M M R M H E D S A N A F Y Q G M A S L I K E Y L K L E L E R K L V Y Y Y A M M R M H E D S A N A F Y Q G M A S L I K E Y L X Y Y Y A M G K S D D D T N S F	UniRef90_UPI00047E0D7C	FLTAILEYVLDII YRKAEVI YVYAHLKNDEDTANTTNQALYA I DRCFTLDDEI SLLTERLYVYAKMKHDEDAADPTYQALSD
UniRei90 DSSU98 L L A A L E L G A R A E Q K II D L A F N Y A E R L F D Q D Q K N T E H Q A M S Q UniRei90 DSSU9 L L E F L K L D D E K I S R D V E K II M M Y A F L K S D E D T A V I A K Y Q G Y I V G UniRei90 DIJX5 L L E F L K L D D E K I S R D V E K II M M Y A F L K S D E D T A V I A K Y Q G Y I V G UniRei90 DIJX5 L L E F L K L D D E K I S R D V E K II M M Y A A R K S D E D T A V I A K Y Q A Y V G UniRei90 DIJX5 L L E F L K L D D E L S I V I V A D K L F A Y A R L K D E D T A V I A K Y Q A Y V A UNIREi90 UP100036FAA9F UNIREi90 UP100036FAA9F L L S A C F E L E D D I S L H T E R L Y V Y A N M R H H E D T A E P Q Y Q S L S E UNIREi90 UP100047A2680 UNIREi90 UP100047A2680 UNIREi90 PROVATO UNIREi90 PROVATO UNIREI90 ROBVATO UNIREI90 ROBVATO UNIREI90 ROBVATO UNIREI90 PROVATO UNIREI90 PROVATO UNIREI90 PROVATO UNIREI90 UP100037998B5 UNIREI90 UP100037998B5 UNIREI90 UP100037998B5 UNIREI90 L E K K L S C D M M R V Y C Y A M C K S D E D T K G M A S L Y D Y I L L R K L S G D M M R V Y C Y A M C K S D E D T K Y A A L L B C L E L E L E L E L E L E K L V Y Y A A H L K C D D T N S F Y Q G M A S L I E Y L K L E L E R L V Y Y A A H L K K D D D T Y S A L E S UNIREI90 UP100037998B5 UNIREI90 DS S C L E L E S K T G Q T L E K L S Y Y A M C K S D E D T K Y A A L L A S R L L E Y L K L E D R V A L L S Y L K L D E L S K L S G D M M R R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L N R Y A D L N R Y Y A M M R M H E D S A N A F Y Q G M A S L N R Y A D L N R Y Y Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M	UniRef90_R2TGS4 UniRef90_R6LK21	FLSSIEMLLSIYRKIEVIYVYSHIKNDQDTTNTTYQALIYA
UniRei90 DSSU98 L L A A L E L G A R A E Q K II D L A F N Y A E R L F D Q D Q K N T E H Q A M S Q UniRei90 DSSU9 L L E F L K L D D E K I S R D V E K II M M Y A F L K S D E D T A V I A K Y Q G Y I V G UniRei90 DIJX5 L L E F L K L D D E K I S R D V E K II M M Y A F L K S D E D T A V I A K Y Q G Y I V G UniRei90 DIJX5 L L E F L K L D D E K I S R D V E K II M M Y A A R K S D E D T A V I A K Y Q A Y V G UniRei90 DIJX5 L L E F L K L D D E L S I V I V A D K L F A Y A R L K D E D T A V I A K Y Q A Y V A UNIREi90 UP100036FAA9F UNIREi90 UP100036FAA9F L L S A C F E L E D D I S L H T E R L Y V Y A N M R H H E D T A E P Q Y Q S L S E UNIREi90 UP100047A2680 UNIREi90 UP100047A2680 UNIREi90 PROVATO UNIREi90 PROVATO UNIREI90 ROBVATO UNIREI90 ROBVATO UNIREI90 ROBVATO UNIREI90 PROVATO UNIREI90 PROVATO UNIREI90 PROVATO UNIREI90 UP100037998B5 UNIREI90 UP100037998B5 UNIREI90 UP100037998B5 UNIREI90 L E K K L S C D M M R V Y C Y A M C K S D E D T K G M A S L Y D Y I L L R K L S G D M M R V Y C Y A M C K S D E D T K Y A A L L B C L E L E L E L E L E L E K L V Y Y A A H L K C D D T N S F Y Q G M A S L I E Y L K L E L E R L V Y Y A A H L K K D D D T Y S A L E S UNIREI90 UP100037998B5 UNIREI90 DS S C L E L E S K T G Q T L E K L S Y Y A M C K S D E D T K Y A A L L A S R L L E Y L K L E D R V A L L S Y L K L D E L S K L S G D M M R R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L N R Y A D L N R Y Y A M M R M H E D S A N A F Y Q G M A S L N R Y A D L N R Y Y Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M	UniRef90_F4FSV3	L L T A T E R L MT L L S R K L E K L Y V Y A R M R S D E D I A E Q I Y Q D M F G L L T A T E R L MT L L S R K L E K L Y V Y A Q L K N D Q D T S E D K Y Q A M Y S F L K A I Q A I L D L S N Q L E T I Y V Y A Q L K N D Q D T T N S T Y Q G M Y E
UniRei90 DSSU98 L L A A L E L G A R A E Q K II D L A F N Y A E R L F D Q D Q K N T E H Q A M S Q UniRei90 DSSU9 L L E F L K L D D E K I S R D V E K II M M Y A F L K S D E D T A V I A K Y Q G Y I V G UniRei90 DIJX5 L L E F L K L D D E K I S R D V E K II M M Y A F L K S D E D T A V I A K Y Q G Y I V G UniRei90 DIJX5 L L E F L K L D D E K I S R D V E K II M M Y A A R K S D E D T A V I A K Y Q A Y V G UniRei90 DIJX5 L L E F L K L D D E L S I V I V A D K L F A Y A R L K D E D T A V I A K Y Q A Y V A UNIREi90 UP100036FAA9F UNIREi90 UP100036FAA9F L L S A C F E L E D D I S L H T E R L Y V Y A N M R H H E D T A E P Q Y Q S L S E UNIREi90 UP100047A2680 UNIREi90 UP100047A2680 UNIREi90 PROVATO UNIREi90 PROVATO UNIREI90 ROBVATO UNIREI90 ROBVATO UNIREI90 ROBVATO UNIREI90 PROVATO UNIREI90 PROVATO UNIREI90 PROVATO UNIREI90 UP100037998B5 UNIREI90 UP100037998B5 UNIREI90 UP100037998B5 UNIREI90 L E K K L S C D M M R V Y C Y A M C K S D E D T K G M A S L Y D Y I L L R K L S G D M M R V Y C Y A M C K S D E D T K Y A A L L B C L E L E L E L E L E L E K L V Y Y A A H L K C D D T N S F Y Q G M A S L I E Y L K L E L E R L V Y Y A A H L K K D D D T Y S A L E S UNIREI90 UP100037998B5 UNIREI90 DS S C L E L E S K T G Q T L E K L S Y Y A M C K S D E D T K Y A A L L A S R L L E Y L K L E D R V A L L S Y L K L D E L S K L S G D M M R R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M H E D S A N A F Y Q G M A S L N R Y A D L N R Y Y A M M R M H E D S A N A F Y Q G M A S L N R Y A D L N R Y Y Y Y A M M R M H E D S A N A F Y Q G M A S L L E Y L K A E E A V S L E L E K L L V Y Y A M M R M	UniRef90_C5EGA0 UniRef90_R6EQ63	LYACLKFDDEISRETELLYVYSRMRSDQDTADQKYQDMFS LLAALRERDSIWQKLEHAFVYAAMKKDEDNRVDKYQAMDD
UNIRE190 CBUMS43 UNIRE190 UPI000345A3 UNIRE190 UPI00035A4A3 UNIRE190 UPI0003A4A3 UNIRE190 UPI000A4AAA UNIRE190 UPI000A4AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA	UniRef90_Q5FIA0 UniRef90_G2SWP8 UniRef90_D9SSU9	L L A A L E L G A R A E Q K D L A F N Y A E R L F D Q D Q K N T E H Q A M S Q
UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_S4ZSV8 UniRef90_S4ZSV8 UniRef90_A5Z991 UniRef90_E3BU93 UniRef90_E3BU93 UniRef90_E3BU93 UniRef90_E3BU93 UniRef90_D4M7P1 UniRef90_E3SEM5 UniRef90_D4M7P1 UniRef90_D3FSR9 UniRef90_D3FSR9 UniRef90_D3FSR9 UniRef90_D3FSR9 UniRef90_A0A037Z273 UniRef90_A0A037Z273 UniRef90_M5RU08 UniRef90_M5RU08 UniRef90_UP1000366M338 UniRef90_UP1000366M338 UniRef90_UP1000366M338 UniRef90_UP1000366M338 UniRef90_UP100036BD045 UniRef90_UP100036BD045 UniRef90_D8M6X3 UniRef90_U1VMY95 UNIREF90_U1VMY95 UNIREF90_U1VMY95 UNIREF90_U1VMY95	UniRef90_E6UDH3 UniRef90_T0IJX5	L L E F L K L S D D I S V A A D S I VN Y A Q R K S D E D T A V A K Y Q G Y V G L A A C L T L R D E L S I V A D K L F A Y A R L H R D E N T A N A K Y Q A L V G
UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_S4ZSV8 UniRef90_S4ZSV8 UniRef90_A5Z991 UniRef90_E3BU93 UniRef90_E3BU93 UniRef90_E3BU93 UniRef90_E3BU93 UniRef90_D4M7P1 UniRef90_E3SEM5 UniRef90_D4M7P1 UniRef90_D3FSR9 UniRef90_D3FSR9 UniRef90_D3FSR9 UniRef90_D3FSR9 UniRef90_A0A037Z273 UniRef90_A0A037Z273 UniRef90_M5RU08 UniRef90_M5RU08 UniRef90_UP1000366M338 UniRef90_UP1000366M338 UniRef90_UP1000366M338 UniRef90_UP1000366M338 UniRef90_UP100036BD045 UniRef90_UP100036BD045 UniRef90_D8M6X3 UniRef90_U1VMY95 UNIREF90_U1VMY95 UNIREF90_U1VMY95 UNIREF90_U1VMY95	UniRef90_I9L021 UniRef90_UPI00036FAA9F	V LA GIQAV LOVY RELEKVAVY A SIKSDQDTGNSTNAAIDD LSACFELEDDI SLHTERLYVY A NMRHHEDTA EPQYQSLSE
UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_S2ZT97 UniRef90_S4ZSV8 UniRef90_S4ZSV8 UniRef90_A5Z991 UniRef90_E3BU93 UniRef90_E3BU93 UniRef90_E3BU93 UniRef90_E3BU93 UniRef90_D4M7P1 UniRef90_E3SEM5 UniRef90_D4M7P1 UniRef90_E3SEM5 UniRef90_D3FSR9 UniRef90_D3FSR9 UniRef90_D3FSR9 UniRef90_D3FSR9 UniRef90_A0A037Z273 UniRef90_A0A037Z273 UniRef90_M5RU08 UniRef90_M5RU08 UniRef90_UP1000366M338 UniRef90_UP1000366M338 UniRef90_UP100036BD045 UniRef90_UP100036BD045 UniRef90_UP100036BD045 UniRef90_D8M6Y3 UniRef90_D8M6Y3 UniRef90_D8M6Y3 UniRef90_D8M6Y3 UniRef90_D8M6Y3 UniRef90_M5V1E8 UNIREF90_M5V2M7V UNIREF90_D8M6Y5 UNIREF90_M5V2M7V UNIREF90_M5V2M7V UNIREF90_M5V2M7V UNIREF90_BASCM3 UNIREF90_D8M6Y5 UNIREF90_M5V2M7V UNIREF90_BASCM3 UNIREF90_M5V2M7V UNIREF90_BASCM3 UNIREF90_D8M6Y5 UNIREF90_BASCM3 UNIREF90_BASCM3 UNIREF90_BASCM3 UNIREF90_D8M6Y5 UNIREF90_BASCM3 UNIREF90_UP1000366BD045 UNIREF90_UP100036BD045 UNIREF90_	UniRef90_UPI00047A2680	L L S V T K V L N L N R K Y E K L Y V Y A Q S A S D V D T T N N D L D S D K D E D T G N N E F Q L R S N S K Y C A M M N M M M M M M M
UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_D4M7P1 UniRef90_S4ZSV8 UniRef90_S4ZSV8 UniRef90_A5Z991 UniRef90_E3BU93 UniRef90_E3BU93 UniRef90_E3BU93 UniRef90_E3BU93 UniRef90_D4M7P1 UniRef90_E3SEM5 UniRef90_D4M7P1 UniRef90_D3FSR9 UniRef90_D3FSR9 UniRef90_D3FSR9 UniRef90_D3FSR9 UniRef90_A0A037Z273 UniRef90_A0A037Z273 UniRef90_M5RU08 UniRef90_M5RU08 UniRef90_UP1000366M338 UniRef90_UP1000366M338 UniRef90_UP1000366M338 UniRef90_UP1000366M338 UniRef90_UP100036BD045 UniRef90_UP100036BD045 UniRef90_D8M6X3 UniRef90_U1VMY95 UNIREF90_U1VMY95 UNIREF90_U1VMY95 UNIREF90_U1VMY95	UniRef90_R6PZN5 UniRef90_R6WFR5	L LACLEKNQELSLI LDQVYTYANMRMHEDSANAFYQGMAS LYDYL LLREKLSGDMMRVYCYAMCKSDEDKGNSKYADYMG
UniRef90_S4ZSV8 UniRef90_A5Z991 UniRef90_A5Z991 UniRef90_W4QQI0 UniRef90_UPI0002D2B12B UniRef90_UPI0002D2B12B UniRef90_E3BU93 UniRef90_D3FSR9 UniRef90_B3FSR9	UniRef90_UPI00037998B5	IL A E A L E LE R E II DIVIE IVIS KIL IYIVIY A HILIK H D Q D I S N D I Y S A L E S IL LIE YIL K A E E A VISIL E IL E KIL IYIVIY A N M K S H E DIL R E T R P M E IL A S
UniRef90_S4ZSV8 UniRef90_S4ZSV8 UniRef90_S4ZSV8 UniRef90_S4ZSV8 UniRef90_S4ZSV8 UniRef90_E3BU93 UniRef90_E3BU93 UniRef90_E3BU93 UniRef90_E0S147 UniRef90_E0S147 UniRef90_E0S147 UniRef90_E0S147 UniRef90_E0S147 UniRef90_E3BSU93 UniRef90_E3BSU93 UniRef90_E3BSV9 UniRef90_E3BSV9 UniRef90_E3BSV9 UniRef90_E3BSV9 UniRef90_E3BSV9 UniRef90_B3DSV5 UniRef90_B3DSV5 UniRef90_MSRU08 UniRef90_MSRU08 UniRef90_MSRU08 UniRef90_MSRU08 UniRef90_MSRU08 UniRef90_MSRU08 UniRef90_MSRU08 UniRef90_F3BSV9 UniRef90_B4LXS UniRef90_B4LXS UniRef90_B4LXS UniRef90_DBMGY5 UniRef90_BMGV5 UniRef90_BMGX3 UniRef90_BMGX3 UniRef90_BMGX3 UniRef90_BMGX5 UniRef90_BMGX3 UniRef90_BMGX4 UniRef90_BMGX3 Uni	UniRef90_B1BAT4 UniRef90_UPI00035D01D7	L L G F L K L D E E V S R L G E K L L V Y A F L K A D E D T A N N K N Q A L K S L G S C L E L E S K T Q T L E K L S V Y A N L R V G E D L T N T K F L A L A G
Uniref90	UniRef90_S2Z197 UniRef90_S4ZSV8 UniRef90_A5Z991	L V T G L K A V L A V F R F E K V Y V Y S S L K S D Q D T G N A T Y Q A M N A L L E Y L K F N D E L N L M A E K V Y V Y S N Q K Y H E D M T N S K Y Q T Y S G
UniRef90_E0S147 UniRef90_E8SEM5 L	UniRef90_E3BU93	L F D Y L T L S E E T S Y T F K K L Y V Y T M F Q V D L D T R D T K A Q S L Q D L Y E N F S K L L K V S R E L E K V Y V Y S T L S S D Q D T N N S H Y L G F V A L A F C L A F D T F M D R L A D R L G T Y A F L K T T F D V A N S A Y O G L K A
UniRef90_57SN74 UniRef90_E3DS05 UniRef90_A0A037Z273 UniRef90_M7EII2 UniRef90_UP1000364A338 UniRef90_UP1000364A338 UniRef90_UP1000366D045 UniRef90_D8MGY5 UniRef90_D8MGY5 UniRef90_D8MGY5 UniRef90_D8MGY5 UniRef90_D8MGY5 UniRef90_D8MGY5 UniRef90_M7ULE8 UniRef90_M7ULE8 UniRef90_M7ULE8 UniRef90_M7ULE8 UniRef90_M7ULE8 UniRef90_M7ULE8 UniRef90_B10XD4 UniRef90_B10XD4 UniRef90_D8MGY5 UniRef90_D8MGY5 UniRef90_D8MGY5 UniRef90_B10XD4 UniRef90_D8MGY5 UniRef90_D8MGY5 UniRef90_D8MGY5 UniRef90_M7ULE8 UNIRE	UniRef90_E0S147 UniRef90_E8SEM5	L LAAL KLDEELGLYIDRVHGYAHMREDQDTANSKYQGMKQ LYQAL SLEDEI ETELESVYVVYAHLKQDQDTANDKYTGFEA
UniRef90_A0A037Z273 UniRef90_M7EI12 UniRef90_M5RU08 UniRef90_UPl000364A338 UniRef90_UPl000364A338 UniRef90_UPl00036B0D45 UNIREF90_UPl0003	UniRef90_D3F5R9 UniRef90_F2JN74 UniRef90_E3DS05	L T F L K L Q D T F G E A L G K L Y V Y A H M R L H Q D G S N A Y Y Q D L A S L I N S L N K I I K I E E K T A R L Y A Y A H L K Y D Q N T K N N K Y Q N Y K N
UniRef90_UPI000364A338 UniRef90_UPI000366A4338 UniRef90_UPI00036B0D45 UniRef90_UPI00036B0D45 UniRef90_DPI00036B0D45 UNIREF90_DPI00036B0D4	UniRef90_A0A037Z273 UniRef90_M7EII2	L L S Y Y KLY E E I L R L G E K L A V F A H C R S D E D T T N T T F Q S L K S L L R V T Q T Y L N L A C L E K V F V Y A S M K N D Q D T T V A T Y Q E L A A L A E A L T F D S O E D R L A E R V G T V A F M R T T E D C G N S D S O A M K I
UniRef90_UP100036B0D45 FILE SETQLALS QRVEKLYVY ASMKNDQDTREGILY QEFQA UniRef90_D8MGY5 LQALEAD KIERELEKVYVY AHMKLDEDNSNSAALALFD UniRef90_BMGY5 LQSALEAD KIERELEKVYVY AHMKDDDTRAQSLDTRAQSLDT ARSOLDT RDHAQSLDD LYDYLSRSENLSKTFNLVYVY AMLSGDLDTRDHAQSLDD LYDYLSRSENLSKTFNLVYVY AMLSGDLDTRDHAQSLDD UniRef90_K6DX70 LYDYLKQGEELSFHFNKLYAYAMLQVDENTRATAAQSLDD LYDYLKQGEELSFHFNKLYAYAMLQVDENTRATAAQSLDD UniRef90_U1WY95 LQSLNDLSDLMRLRDKVHVYASMGFDVNSSNPQLQEVMD UniRef90_B1QXD4 LEYLKLNEKISRKAETLY YAHLLHDEDLRNEAAKSMYA UniRef90_D2RPS7 LEYLKLNEKISRKAETLY YAHLKCDEDTSNSTFQSLMS UniRef90_D2RPS7 LRDVLQLRDEIMREVSTVAAYARMRRDEDTTNQQYQALTA UniRef90_E053C6 LYKVLKLMEDISRKISHYYVVYTHMRHHEDTRINENLADSS UniRef90_G53778 LLEITEVELDLSRRLEKVYVYAASMKNDQDTTVAAKYQEFQA UniRef90_M0H7R0 LLELLETMESVLREVSMVVSYANLRSSEDTRNQEYQAQSA UniRef90_G67LM6 LAAALKAFETLLERMVRWGTYANLLASGDGSDPENQGMLA UniRef90_S5ZZB5 LAALKASTNVDRIAGENS	UniRef90_UPI000364A338 UniRef90_K1LV49	L LQCFRLRDEVDIKLSSLFAYARMNRDTDATNAAYQAMTA LAQALDAYFETLRV!ENVYVYTSMUNDQDQTVSASQALND
UniRef90_ISAKX3 UniRef90_K6DX70 UniRef90_M1VLE8 UniRef90_U1WY95 UniRef90_D1UWY95 UniRef90_D2RPS7 UniRef90_D2RPS7 UniRef90_E0E3C6 UniRef90_G53778 UniRef90_M0H7R0 UniRef90_M0H7R0 UniRef90_Q67LM6 UniRef90_Q67LM6 UniRef90_Q67LM6 UniRef90_Q55ZZB5 UniRef90_D544	UniRef90_F6B8C9	FILEII
UniRef90_U1WY95 UniRef90_B1QXD4 UniRef90_D2RPS7 UniRef90_E0E3C6 UniRef90_G53778 UniRef90_M0H7R0 UniRef90_Q67LM6 UniRef90_G67LM6 UniRef90_G55ZZB5 UniRef90_R91544 V Q L E Y L K L A K V F K V Y Y A H L H D L L E T L M R L R D K V M D L R D L R D L R D L R D L R D R R R D R D R R	UniRef90_I8AKX3 UniRef90_K6DX70	LYDYLSRSENLSKTFNLVYVYAMLSGDLDTRDHHAQSLLD LYLYLKQGEELSFHFNKLYAYAMLQVDENTRATAAQALQD
UniRef90_D2RPS7 UniRef90_E0E3C6 UniRef90_G53778 UniRef90_G67478 UniRef90_Q67478 UniRef90_G67478 UniRef90_G7478	UniRef90_M1VLE8 UniRef90_U1WY95 UniRef90_B1QXD4	L LQSL NDLSDL MRLRDKVHVY ASMGFDVNSSNPQLQEVMD I LEYLKLNEKI SRKAETLYLYAHLKCDEDTSNSTFQSLMS
UniRef90_M0H7R0 UniRef90_Q67LM6 UniRef90_S5ZZB5 UniRef90_S5ZZB5 UniRef90_B9I 544 UniRef90_B9I 544 UniRef90_B9I 544	UniRef90_D2RPS7 UniRef90_E0E3C6 UniRef90_O53778	L R D V L Q L R D E I MR E V S T V A A Y A R M R R D E D T T N Q Q Y Q A L T A L Y K V L K L M E D I S R K I S H Y Y V V Y T H M R H H E D T R I N E N L A D S S
UNIKET9U_S5ZZB5 L L A <mark>C</mark> L K A S T N V D R L A E K V G N Y A F L M K S S N E G D A E N L Q R M G UniRef90 B9I 544 V E V T L A D E I D O R V S K I E A Y A I L A R D O D T R D T A A A F P V E	UniRef90_M0H7R0 UniRef90_Q67LM6	L LEL LETMESVEREVSMVVSYANERSSEDTRNQEYQAQSA LAAALKAFETLLERMVRWGTYANLLASGDGSDPENQGMLA
UniRef90_K0NZJ3 LYKNLTQI F DLD R RVS KVY A Y A GLAS DVD T S D K F L LGVS A	UniRef90_S5ZZB5 UniRef90_B9L544 UniRef90_K0NZJ3	L L A
Un:Datoo Uoulizo	UniRef90_H9UI73 UniRef90_M0D2M5	
UniRef90_M0D2M5 UniRef90_D3QZU0 UniRef90_M1XNA0 UniRef90_G1Y2D2 UniRef90_UP1000365A11E UniRef90_D7GTZ8 UniRef90_D7GTZ8 UniRef90_UP1000473F41F	UniRef90_D3QZU0 UniRef90_M1XNA0 UniRef90_G1Y2D2	L N E F L I K L M K F K Q K L D V L L I Y V H L L K D Q D I G N S F N Q A N F T L A E A L E L R E S I M R D V S D V A A Y A R M R R D E D T T N Q R Y Q A L T A T L A A L E A L Y G V Y H E L E Q V G T Y A S T L A S T D T R D A P A Q E R D G
UniRef90_UPI000365A11E	UniRef90_UPI000365A11E UniRef90_D7GTZ8 UniRef90_UPI000473F41F	L L A C L H A K E E L Q A R L N R V A S F A Y L H Q S G D S L N P E N Q M N A T L K N Y L T Y D E S V D E T L S L L Y A Y A M Q R R D Q D T S V S E N Q A L V S

QUERY	130 150 160 KAG <u>N</u> LYTQ <u>A</u> ASA <u>T</u> AY <u>L</u> VPEILISITEEDKLQQFI <u>L</u> EKEELKL
UniRef90_UPI000429BE44	RASVLIATOVISSTĪJSFĀVIPELLISLĪPEEKILINSFIVĪNEFEKILISLĪ
UniRef90_UPI00047929C4	RARNLYTQASSISSYIVPEILSIDEAKIKQFLGEKEELKL RAKSLASQFGQAVSYIVPEVLSIEKEKVEAFLNEHSGLQL
UniRef90_J8TVQ5 UniRef90_UPI0003F97038	RASSMAAKII IGQAMAYIVIT PEILLISII IPEGTII ISSEILISEHEGILISE
UniRef90_D3FV19	RAMSILISAQIVIAQSIVIAYILITPEILLIEILIDEKII I IKQFII INEHEGILINR
UniRef90_UPI0003655AC7	RATSILIY SQIVIS SN MIVIYII VIPEII LITII IAEETIVIQ SFILIQEN KEILIKIVI
UniRef90_V6MDL0 UniRef90_W9AJ25	RATALSTQAYGALSYIQPEILALPTDTLKQWIQQDEGLAH KAENVLTQASSEMSFIVPEILAMEEGKVEAFLKENQGLQA
UniRef90_W7CV34	R A G S L T E A S A A I S Y F E P E I L A I D E A K L K G F I A E N A D L R L
UniRef90_Q67RH1	RGRSLYAKATAAAAFLTPEILALPAETIRAWLDQEPGLAA RAGTLAAKVGAALAFIEPEILAAPEDQIRAWLREYPDLAV
UniRef90_A5USQ7 UniRef90_A1HS44	RAGTLAAK VGAALAFI EPEI LAAPEDQI RAWLREYPDLAV KTEALLAEMGAVTAFI EPEI IAMPEEKLNEFRRQEQGLAE
UniRef90_F4A138	
UniRef90_W0EB20 UniRef90_UPI0003813775	RAGALSVKL GSAL AFVVPEL LAI PADE V TAGESKT NPKLEI RAKMLYTQI AGALSFADPEI LSI DEEKI NGFVASYEPLL LKAMALWVKVDSAKAFLIPEI LAI PDTTI RQYLAEYPDLKL KSQRLSVEAGEALSFITPEVLALPDDKLDAY I ADPELAPRAKTLLAKASTSISFLTPEI LAI PDDKLDAY I ADPELAPRAKTLLAKASTSISFLTPEI LALDEATVDGYLNENEALRL RASSLLAKTSAAVSWFEPEVLTLSDEQI WAYFEEEPKLEI RANALVAKASEAI AWFEPEVLSL SLEDAKI WGYFDELPELSL RARLKYAEVAEARSWFTPELLSL SQETI DQYFAEAEGL QPRAMQLYVQVVTAI SYI EPELLALPQDT LERYIKEVSGLAL
UniRef90_UPI00047C44CB	KAMAL WVKVDSAKAFL IPEI LAI PDTTI RQYLAEYPDLKL
UniRef90_W8YQI4	K S Q R L S V E A G E A L S F I T P E V L A L P D D K L D A Y I I A D P E L A P R A K T L L A K A S T S I S F L T P E I L A L D E A T V D G Y L N E N E A L R L R A S S L L A K T S A A V S W F E P E V L T L S D E Q I WA Y F E E E P K L E I
UniRef90_UPI00028913BF UniRef90_R3WA27	RAKTLTAKASTSISFLTPEILALDEATVDGYLNENEALRU RASSLLAKTSAAVSWFEPEVLTLSDEQIWAYFEEEPKLEI
UniRef90_S1R7E2	RASSLLAKTSAAVSWFEPEVLTLSDEQIWAYFEEEPKLEI RANALVAKASEAIAWFEPEVLSLEDAKIWGYFDELPELSL RARLKYAEVAEARSWFTPELLSLSQETIDQYFAEAEGLQP
UniRef90_H3NFV6 UniRef90_D6TI17	RARLKYAEVAEARSWFTPELLSLSQETIDQYFAEAEGLQP RAMQLYVQVVTAISYIEPELLALPQDTLERYIKEVSGLAL
UniRef90 R9LCW9	RAMQLYVQVVTAISYIEPELLALPQDTLERYIKEVSGLAL KAKKLSVEVSEALSFITPELLALPEQELDKL INDPALAD
UniRef90_R2NTZ5	R A S S L <u>I A Q V </u> S E A <u> V </u> S W <u>F</u> E P E <u>M </u> L E L S D Q E I W S <u>F</u> F E A E P K L E <u> L </u>
UniRef90_UPI00047E0D7C UniRef90_W2E900	K S K K L S V E A S E A T S F I T P E I L S L S E S E L K A L T E A P K L A K K A R K L S V E V N Q A L S F I S P E I L S L S E D Q L R S F I S H P D L S L R A S S L L A Q A S E A V A W F E P E V L S L S D D K I W G Y F E E N P K L D I Q F M K A Y V E A E A K T S F E T P E L L S L S D E K M E E F Y R E E P E L E L
UniRef90_R2TGS4	KARKLSVEVNQALSFISPEILSLSEDQLRSF ISHPDLSL RASSLLAQASEAVAWFEPEVLSLSDDKIWGYFEENPKLDI QFMKAYVEAEAKTSFETPELLSISDEKMEEFYREEPELEL
UniRef90_R6LK21	QFMKAYWEAEAKISFEIPEILLISUSDEKMEEFYREEPEILIEILI
UniRef90_C0D4J9 UniRef90_F4FSV3	RVQSLSFEAAERSSFIVPEILEMDPALLASYMESENGIGL RAESLGAQFGAATAWFEPELLKVSDDQIKQFYQDQPKLAD
UniRef90_U5S7Y6	K S K K L S V E A S E A T S F I T P E I L S L S E S E L K A L T E A P K L A K K A R K L S V E V N Q A L S F I S P E I L S L S E D Q L R S F I S H P D L S L R A S S L L A Q A S E A V A W F E P E V L S L S D D K L W G Y F E E N P K L D I Q F M K A Y V E A E A K T S F E T P E L L S I S D E K M E E F Y R E E P E L E L R V Q S L S F E A A E R S S F I V P E I L E M D P A L L A S Y M E S E N G I G L R A E S L G A Q F G A A T A W F E P E L L K V S D D Q I K Q F Y Q D Q P K L A D Q A T K L A T Q A N E A I S W F E P E V L E L S E E T L A R Y F N E N D D L A I R A Q S L S Y K A S E Y S S Y I V P E I L S M P E E K L D A Y M K A D N G I S H K C G S A M A K V A A A M S F F T P E L L E A P E S E I L K F L R E E P G L L Q R A Q N L V N Q F E A V T S F I S P E I L S L P A D K F E Q F K K D E P R L N D
UniRef90_C5EGA0 UniRef90_R6EQ63	RAQSLSYKASEYSSYTVPEILSMPEEKLDAYMKADNGISH KCGSAMAKVAAAMSFFTPELLEAPESELLKFLREEPGLLQ
UniRef90_Q5FIA0	RAESLGAQFGAATAWFEPELLKVSDDQIKQFYQDQPKLADQATKLATQANEALSWFEPELLKVSDDQIKQFYQDQPKLADQATKLATQANEALSWFEPELLKVSDETLARYFNENDDLALRAQSLSYKASEYSSYLVPELLSEETLARYFNENDDISHKCGSAMAKVAAAMSFFTPELLEAPESELLKFLREEPGLLQRAQNLVNQFEAVTSFISPELLSIPADKFEQFKKDEPRLND
UniRef90_G2SWP8 UniRef90_D9SSU9	RVQSLSFEAAERSSFIVPEILLEMDPALLASYMESENGIGL RAESLGAQFGAATAWFEPELLKVSDDQIKQFYQDQPKLAD QATKLATQANEAISWFEPEVLELSEETLARYFNENDDLAL RAQSLSYKASEYSSYIVPEILSMPEEKLDAYMKADNGISH KCGSAMAKVAAAMSFFTPELLEAPESEILKFLREEPGLLQ RAQNLVNQFEAVTSFISPEILSIPADKFEQFKKDEPRLND KMYGVVTDYQSRTAFVVPEILAADKATLAQYFAEKELEL QMMNVFVAFNAASSFESPELISIPDDVLEGFYKQNSGLEL KIEGLLAELGTAISFIEPEILAMPDTVLAAFRLE QALAD NATSVYTAAGKAATSWEEPEILAMPDTVLAAFRLE QALAD
UniRef90_E6UDH3	OMMNIVE WAENAASSEESPELLSUPDDVIEGEVKONSCIEL
UniRef90_T0IJX5	KËËGLLAELGTAËSFËEPEILAMPDTVLAAFRLE QALAD NATSVYTQAGEATSWFAAELLAIPAESVEKFYAEVPALEF
UniRef90_C8W843 UniRef90_I9L021	KIEGL LAELGTAISFIEPEI LAMPDTVLAAFRLE QALAD NATSVYTQAGEATSWFAAELLAIPAESVEKFYAEVPALEF QASSLTAKVSAATAWFEPAI LQLTPGELDTYLDENVALRD KSKQLTVTVGEALSFMTPEI LALSDEQLDKL IADPALAS RVEKLGSDVGQAQSWLEPEI I ALGSDKIRQFTQDNPALKE KIDSYFSEFSSAEAFFIPEI LALPEGTIEREIKELPELKM
UniRef90_UPI00036FAA9F	K S K Q L T V T V G E A L S F M T P E I L A L S D E Q L D K L L A D P A L A S
UniRef90_UPI000219707A UniRef90_UPI00047A2680	RVEKLGSDVGQAQSWLEPEIIALGSDKIRQFTQDNPALKE KIDSYFSEFSSAEAFFIPEILALPEGTIER <u>E</u> IKELPELK <u>M</u>
UniRef90_R9BV97	
UniRef90_R6PZN5 UniRef90_R6WFR5	KIDSYFSEFSSAEAFFIPEILALPEGTIEREIKELPELKM KIDSYMAEFASYTAYFVPEILSLDDEFIMNIIDSNDKLKV RAEMLLIRYSDAISFLTPEILSLPEDVLADFRMEREDFHL RAISLFTELGAKTAFEKPEIISVSDEMLEKFYKDVPELCE RLKSLYAHAASALAYIVPELLSIDEKVINTFLEEKEELKL
UniRef90_R9BYY3	RII IK SILIY A H A A S AILIA YII VIP EIL LISII ID E KIVI IN I FILIE E K E EILIKILI
UniRef90_UPI00037998B5 UniRef90_D4M7P1	KAOMII IAIVIREGTAWSEII ITPEII IMKII IDEASII IKSWMADD RII IKE
UniRef90_B1BAT4	KII IE G Y F S EIL IA S M G A Y F IV IP EII L IS Y P K EIV I IK N AII ID EII IP EIL IK M
UniRef90_UPI00035D01D7	R V Q Y L S M L L A Q A V S F L A P E I Q S I P D K K F Q E F L S S K E L K K Q C M S L Y T Q L E E A G S W F N A E L L S I P E D D I A R F Y A D E P A L E H
UniRef90_S2ZT97 UniRef90_S4ZSV8	QCMSLYTQLEEAGSWFNAELLSIPEDDIARFYADEPALEH KAESLGAELASQLAFLDPEILAIPSDKL TAWRDTESLKP
UniRef90_A5Z991	KAQKL VVELGSATAFFEPEI LEMDENVLK EWLENKEFAD
UniRef90_W4QQI0 UniRef90_E3BU93	RVKSLGVKLSSAISFFIPFLLSLEESILKGYLDEVEGLKY RVQSLVNDFSAATAFVDPFLLDUPFKTUFQFKKDFPRUAF
UniRef90_UPI0002D2B12B	RYLGVASRAGELASYI RPELLSLPTEKLNAYVNA PEMAA
UniRef90_E0S147 UniRef90_E8SEM5	RAMSAYMYASEKEAFII SPEII LAII SDDKLESFYKEI PEILDR RAHOUALKUSSAWSEII VIPEII I OUDEKTUESYVAEHEGUKR
UniRef90_D3FSR9	EAT QLSVKASTAVSFFRPFILSLDKSTLQEYLSEVEGLTŸ
UniRef90_F2JN74 UniRef90_E3DS05	QSEDILISIVIA ASEAILIA FSGPEILIT QILIT AAQILID T FFKEILIPEILIR H
UniRef90_A0A037Z273	K TOTE F POT LANTS F FUP EIL IST PKNELLEE FOR KVE ELKE
UniRef90_M7EII2	KATSILISAKYSQAFAFFEPEIVLIAILIGEGKFAEFILIQEESELIGILI
UniRef90_M5RU08 UniRef90_UPI000364A338	QVT TL LSDDASAQAFITEPEL LALPAETIL LTL TIGSRPELLSA
UniRef90_K1LV49	RAGQL FAKEGQAVAY FDPELLAI PEEQLQAFUEENDRLGE
UniRef90_UPI00036B0D45 UniRef90_F6B8C9	RVKSLYVTYNETTSFFI PELIMKLIDYSV I FSY AODFRFKD
UniRef90_D8MGY5	RVQALWAEVSQATAYFQPEVLNIPDDKLTAYLMTD GLQQ
UniRef90_I8AKX3 UniRef90_K6DX70	RAKHASIVIKIVISAASSEEMPPILLISILEEEQILIKKYII IEEESRILIDY RAKOIIISIVIKIVISAATSEEMPPILLISII DEELI IKGVII IKAEEKII IAV
UniRef90_M1VLE8	RAVDLHTRYAEQTSFLEPELVEVPNDYLEP GKGLEP
UniRef90_U1WY95	KAKKILISTILITAEKTSWFTPEIVLIAII PEDRMKRYILIAAK EFAP
UniRef90_B1QXD4 UniRef90_D2RPS7	RAQSLGADAQSAASFI DPELQELT REEFDAMVETEPALET
UniRef90_E0E3C6	K S E MI S T DESKATAY V V P E I T T M D E GELT S Y L K D E R L G H
UniRef90_Q53778 UniRef90_M0H7R0	RAQALIASKARSAVISYII DPEIL DELID WDDII FAFILEE FPALIFA
UniRef90_Q67LM6	KAYALQAQEMAATAFIKSEI LALPEGQAAAWMAADPELAV
UniRef90_S5ZZB5 UniRef90_B9L544	K Y M M T V T E L S A A T S W L M P A II M E I P E E K I R S W I D P E K D F A D R A V I V G T V A G P A S A W I A P E I I S Y D D A A I I C M I E O E P O L A P
UniRef90_B9L544 UniRef90_K0NZJ3	KAQQLAASYQASVSFI SPALLALGEEKLEAFYQEEPRLEN
UniRef90_H9UI73	R F M Q L S A R L Q T E A A Y Q S P E Q A P N D R A D F L A D D L Q E
UniRef90_M0D2M5 UniRef90_D3QZU0	KUNEFAANVNAALAFVKAELMAMDESKI SFFI AFNKNI OI
UniRef90_M1XNA0	Q
UniRef90_G1Y2D2 UniRef90_UPI000365A11E	LIA Q DIL IS G E IV IS A A T A WIL IS P E II Q A IL IG A A K IV D A Y IL IK A E P K IL IA K
UniRef90_D7GTZ8	RVQSLAVKAMAASSFADPEILLSIPDEKMAEFILASPELLAH
JniRef90_UPI000473F41F	K A S H L G Q K I S S A T S F F M P F L L S L D E S T L K S Y N E V K E L A Y

	170 180 190 200
QUERY	Y S H A I E E I T K E R P H V L S E K E E A L L A E A S E V L G S S S N T F S V
UniRef90_UPI000429BE44 UniRef90_UPI00047929C4	Y K H A L D E I NR Q R P H V L T K E E E A I L A D V R E V T N N A S T T F G M Y E H A L D E I N R Q R P H V L S A E K E E L L A E A S E V L D S S S N T F G M Y R Q M F N E L N E Q R D H V L S E A E E A I L A Q A S E V M G T A S N T F G M
UniRef90_J8TVQ5	Y E H A L D E I N R Q R P H V L S A E K E E L L A E A S E V L D S S S N T F G M Y R Q M F N E L N E Q R D H V L S E A E E A I L A Q A S E V M G T A S N T F G M
UniRef90_UPI0003F97038 UniRef90_D3FV19	YKQALEEI NEERPHVLSESEESLLAQVSEVTSSPGNTFGM YEHMLEELYKEKPHVLSEAEEAILAQASEALQSPGQTFGM
UniRef90_UPI0003655AC7	YEHALEELTR QRPHVLSEAEEALLA QASEVMSASSNTFGL
UniRef90_V6MDL0	Y R M L D E I T R F K P H T L S A E E E A L L A N M S E V A S A P S K F G M Y K K T L D E I T R Q R P H V L S Q K E E A L L A E A S E P M S S A S Q T F G M
UniRef90_W9AJ25 UniRef90_W7CV34	YKKTLDEI TRQRPHVLSQKEEALLAEASEPMSSASQTFGM YAHLLEEVNLNRPFVLSEKEEALLAQAGEVLGNASRTYSI
UniRef90_Q67RH1	Y R H E L E N T L R Q K A H V R S P E V E E L L A Q M G E V G A A P S D I F G K
UniRef90_A5USQ7 UniRef90_A1HS44	Y E Y A L D Q L L R Q R A H V R S A E V E A I L A Q F S D I T R A P G E I F E V Y S F Y F D N L M R Q K K H V L S P A E E E I L S R A S E V T Q A A E N I F N M
UniRef90_F4A138	Y R H Y D D M R Q K A H V L S A S E E R I L A Q A G E M A E A A D I I F T M
UniRef90_W0EB20 UniRef90_UPI0003813775	Y D H A L E D I L R K R Q H V L S T A E E K I L A E A G E M A E A P S M L F G M Y K K V L D D L N K Q R P H V L S A V E E N L L A Q A S D V L G S S S A T F G M
UniRef90_UPI00047C44CB	FEFALEDL LRQKSHVLSAEQEELLAAAGEVASAPQQIFTM FRHTLEEMKRQKAHVLSKNEESLLAQVGNISSSPQTLFSM
UniRef90_W8YQI4 UniRef90_UPI00028913BF	FRHTLEEMKRQKAHVLSKNEESLLAQVGNISSSPQTIFSM YKIELDELKVQRPHVLPAEQEALLAQMGEVTNASSNTFGM
UniRef90_R3WA27	Y R H F IV IK O MIV ID N R A HILL IS S F F F A ILLIA G A S F ILIF F A S S D T F A IL
UniRef90_S1R7E2 UniRef90_H3NFV6	YRHYI QQI VDNREHI LPAEQEAL LAGAGEI FGAAADT FSV YKHEI ETI LADRDHVLSAEKEAL LAGASDI LSSGSQTFSM
UniRef90_D6TI17	YRHQLDDLNRKRPHIRSAEVEAVLAASEEMATSPDTIFSM
UniRef90_R9LCW9 UniRef90_R2NTZ5	YRHQLDDLNRKRPHIRSAEVEAVLAASEEMATSPDTIFSM YKFTLQEIKREKAHVLSKTEEALLAQVGNLSQAPQQIFGM YRHFVEQLISERAHVLPAEQEALLAGASEIFSSSADTFSV
UniRef90_UPI00047E0D7C	FKRTLTEMLRQKPHTLSKNEESLMAQVGNLSQAPNTIFGM
UniRef90_W2E900 UniRef90_R2TGS4	YRHFVEQLISERAHVLPAEQEALLAGASELFSSSADTFSVFKRTLTEMLRQKPHTLSKNEESLMAQVGNLSQAPNTIFGMYKRTLEELLREKPHVLSKSEETLLAMTGNMAGSASNIFGMYKRTLEELLREKPHVLSKSEETLLAMTGNMAGSASNIFGMYRHFIENLSDRPHLLSADQEALLAGAGELFEASSNTFSSLYRRYFDKSRSRRAHLLSATEEKLLAAAGEMSQSPQNIFSMYRRLMERLLGKREHTLSGPMEELLAQSYDATQGASQLFNMYRRLMERLLGKREHTLSGPMEELLAQSYDATQGASQLFNMYRRFFDQTFKRRNHILSNDVEAVLAGAGDIFSSGEKTFGIYKHFIDQLTAARKHVLSANEEALLAGAGELFNASSRTFNLFKRALEMVLNKREHTLSGEMEELLAQSYDATQGASQLFTMYDFKMYDFMLKSMLREKEHLLSAAEENILAQSYDATQGASQLFTMYDFKMYDFMLKSMLREKEHLLSAAEENILAQSYDATQGASQLFTMYDFKMYAHYLETITNKRPHTLPAEEEKLIAQSYDATQGASQLFTMYYAHYLETITNKRPHTLPAEEEKLIAAQSYDATQGASQLFTMYYAHYLETITNKRPHTLPAEEEKLIAADASDAMGVSENTFNVYRRGLVDEILRTKEHVLSAEMEKLVAMTGEMAQTPEQVYSLYRRQLDRIRKBHVLSAAEERIIAALAGEMGNSADKIYSM
UniRef90_R6LK21	Y R R Y F D K S R S R R A H L L S A T E E K L L A A A G E M S Q S P Q N I F S M
UniRef90_C0D4J9 UniRef90_F4FSV3	Y R R L M E R I L G K R E H T L S G P M E E L L A Q S Y D A T Q G A S Q I F N M Y R R F F D Q T F K R R N H I L S N D V E A V L A G A G D I F S S G E K T F G I
UniRef90_U5S7Y6	Y K H F I D Q L T A A R K H V L S A N E E A L L A G A G E I F N A S S R T F N I F K R A L E M V L N K R E H T L S G E M E E L L A Q S Y D A T Q G A S Q I F T M
UniRef90_C5EGA0 UniRef90_R6EQ63	FKRALEMVLNKREHTLSGEMEELLAQSYDATQGASQIFTM YDFMLKS <u>ML</u> REKEH <u>I</u> LSAAEENILAQMSE <u>I</u> TG <u>A</u> TND <u>V</u> FK <u>M</u>
UniRef90_Q5FIA0	Y A HYLETITNKRPHTLPAEEEKII A DASDAMGVSENTFNV
UniRef90_G2SWP8 UniRef90_D9SSU9	YRGLVDEI LRTKEHVLSAEMEKLVAMTGEMAQTPEQVYSI YRFYLERI MSKKPHI LTKEKEELLASASELFDAPHSI YSL
UniRef90_E6UDH3	YRRQLDRIRLRKDHVLSEAEERIIALAGEMGNSADKIYSM
UniRef90_T0IJX5 UniRef90_C8W843	YNFYFDNLTRQKQHVLSPNEEEI LSRSTEATQAAENI FNM YRRKLNKI LNQREHTLSAEEEALLARAEELAVQPTNLFSM
UniRef90_I9L021	YRHLLDTVRLQKGHVLSESEESLLAGASDLFGASAKTFGV
UniRef90_UPI00036FAA9F UniRef90_UPI000219707A	Y R F TLT E MKRQKAHVLSKQE E ALLA QVG S MSKAPE S TYSM Y G R F F D E I L VN K D H V L P E D Q E K L L A G A A T T F E S P E K T F G T
UniRef90_UPI00047A2680	YEFALNDI LKMKPHI LSKSEEKLLAGVSDCLEAPGNIFSM
UniRef90_R9BV97 UniRef90_R6PZN5	Y S F M F K D L K E K P H L S K É Q E E L A Q V S D C L D A P S S H N M Y D H F F D N L L R Q K A H T L S P A E E S L L A K T A E L G G A P Q N F T M
UniRef90_R6WFR5	F K R F I D L F R A A K K H T L S P A E E K L L A S T G E M A Q S P E T L A S A
UniRef90_R9BYY3 UniRef90_UPI00037998B5	Y K K A I E E I N L Q R P H V L N A E Q E A L L A Q A S E V L D S S S N T F G M F K F D L E K L N Q K R A H V L S D K E E K I M A Q A G E V M G N P A S T Y S M
UniRef90_D4M7P1	Y A F F V E R L L R E R E H L L P R A E E A L L A S A R E A T A A P E N A F S L Y E L M I D R I L K K K P H T L S K E M E E M L A S V S D A L N A P S N I F S L Y R F S L E N L R F K P H V L S E K E E Y L L A L H T E S A G G A G K I F E Q Y R R K L E Q I L R M R A H T L S A A E E A I L A R A N D A A S Q P E N L Y S M F G H F I D A I T V N R E H V L T T A A E A L I A S A G D A L N A S H A T F N V
UniRef90_B1BAT4 UniRef90_UPI00035D01D7	Y E L M I D R I L K K K P H T L S K E M E E M L A S V S D A L N A P S N I F S L Y R F S L E N L R R F K P H V L S E K E E Y L L A L H T E S A G G A G K I F E Q
LL-'D-(00 OOTTOT	Y R R K L E QI L R M R A H T L S A A E E A I L A R A N D A A S Q P E N L Y S M
UniRef90_S4ZSV8 UniRef90_A5Z991	F G H F I D A I TVN R E H V L T T A A E A L I A S A G D A L N A S H A T F N V Y R R Y I S E I L R A K A H T L D K K T E E I L A K <u>S</u> K R M A S A A D N L Y A M
UniRef90_W4QQI0	FEEDLFEAYRYKQHVLTKEKEEVLSQLGETFSAPSNTFGM
UniRef90_E3BU93 UniRef90_UPI0002D2B12B	Y KILIT LIERIVIMRY OKHTILIT OA EERIL LIAMQA EIVIT OTAHNIVIF DO
UniRef90_E0S147	Y K R E I A E I R R L K D H M L S A E M E Q L L A S A G E M Q G A S Q K A Y G M
UniRef90_E8SEM5 UniRef90_D3FSR9	FEDDLMDLFRYKPHVLISKEKEEVLITQLIGEALISSPSKTFGM
UniRef90_F2JN74	Y E R Y L N E I L R Q K T H L L T S E M E A V L A R V G E L G T M P Q N T F S M
UniRef90_E3DS05 UniRef90_A0A037Z273	YTFLIEDII LINUKPHILISKEEENII MASVISECLESPGNII YSM
UniRef90_M7EII2 UniRef90_M5RU08	YRHFFGQII ESQQAHVLINQEKEELL LAQAQEVLEAGAETYEL
UniRef90_UPI000364A338	Y K K K L E QI L K M K A H V L S A A E A I L I A A S A G A D A L Y S M Y S M I D A I T Y N M Y F G M Y I S E I L L R A K A H H V L D K K T E E I L L A K S K R M A S A A D N L Y A M F F G M Y K Y K Q K M V L S A D S N T Y F G M Y K K M L T L R Q L G E A L N T S E N T Y Y N U Q K R K H T L T S A D E E R L L A A M Q A E M S A P S N T Y F G M Y K K M H V L D A E K E E V L S A Q G E M C S T P S K W F F S M Y K R M H V L D A E K E E V L T T Q L G E A L S T S S M Y F S M Y K R F D D L N D L F E A P S N T Y F S M Y K R F D D L N D L F E A P S N T F S M Y F F T D D L N D L F E A P S N T F S M Y F S M Y K R F F F D D L N D L F E A P S N T F S M Y Y K R F F F D D L N D L L R R Y K P H V L D A E K E E E L L A A M Q A G E M S E N T F S M Y Y T F F F D D L N D L L R R K E F T T L S A A E E E E L L A A M A Q A G E M S E N T F S M Y Y T F F F D D L N D L L R R Y K P H V L D A E K E E E L L L A A M C S E W L E S A G A G E T T Y S M Y T F F F D D L N D L L R R C K F T T T T T T T T T T T T T T T T T T
UniRef90_K1LV49 UniRef90_UPI00036B0D45	Y R H F IL ID D K A R F R P H IV L IS S D Q E L L L IA Q A S E A N Q T A S K T F G L Y S F O I O K I L A T R F H I L IS O F I F F IV L A A S E IV F F A D S F T F S I
UniRef90_F6B8C9	YRHFILKEI GRNKEHVLSDAEEKI I SAFGEVAGAPKNIFQL
UniRef90_D8MGY5 UniRef90_I8AKX3	Y A HILIF E TILIR A LIK PHTILID A E Q E KIL LIA GIVIG DILIF NA SENT F G A
UniRef90_K6DX70	FAEDLWESFRYKTHVLSKEQEELLSQLGEALSAPSNTFGM
UniRef90_M1VLE8 UniRef90_U1WY95	YKHYLERII RRQKAHTLISASEEALLIAASTKATSASARAFSA YKTELEDII ERII KPHTLITKEI EGILLAGESPILEONPESTYSM
UniRef90_B1QXD4	FKFLFDDILKEKPHVLTKEMEELLAAASDCLDAPSATHNE
UniRef90_D2RPS7 UniRef90_E0E3C6	Y D H Y IV ID DIV L IR M K P H T R S A E IV E E IL L IA D IL S E IV IT G A T G E IV Y N M Y K K M I D E I L IR D K P Y T I I S D K E E E I I M A A A S E II I A GIV P E N T V E M
UniRef90_Q53778	YDHFFEKI FANKPHVLSQNEEELL AGASEI FGAAGETFEL
UniRef90_M0H7R0 UniRef90_Q67LM6	Y E H Y F D D V L R A K E H T R S A E V E E V L A D L S E V T G S P S D Y S M Y R P A L E O V L L E R P Y K H P O T F F A
UniRef90_S5ZZB5	FKVSLEKTLHLKPHTLSDKEEKILSLLREPHGTPSQTYSV
UniRef90_B9L544 UniRef90_K0NZJ3	FRRILLIERIL VIR ERPHIVIRS A EIVIE QILLIA ET MPILIA QAPATAFTIL YRHYILID QILMRKADHIV I PAFFFRILVISIDA GDAIDGAS S N T F NIV
UniRef90_H9UI73	Y R TY LE R L L R Y K P H L L S E P E E R L L A M Q A E S N Q T A Q K T F S A
UniRef90_M0D2M5 UniRef90_D3QZU0	Y GHY F D DIV LIR M K PHT R S A EILE NIL LIA DIL GEIV LIG S T G E IV Y N M Y K K W E D NIL R R IL K K H T IL S E N E E K IL I A MIL S PIL M N T G S T IV E A A
UniRef90_M1XNA0	Y E H Y F D D T L R M K P H T R S A E L E A L L A D L S E V T G A A S D V Y N M
UniRef90_G1Y2D2 UniRef90_UPI000365A11E	F G F A IL IH D A IL IR IL IK P H T IL IG A E A E G IV L IA A IL IS P A IL IG G S G T T Y N IL F F R S IL IGIT L L IO T K P H R IL T A F T F K IV L A S F G F IV L G A P V R IL V F P
UniRef90_D7GTZ8	YKKQLERLLÄKKAHRLSEKEEAN LAAASENSGTPSSVFAL
UniRef90_UPI000473F41F	FEDS L FESYRYKKH VL SKEQEE IL SKMGDAL GSPRQTFGM

QUERY	210 220 230 240 LNNADLT F P S I K D E D G N E K Q I T H G N F I N F L E S E N R E V R K N
UniRef90_UPI000429BE44 UniRef90_UPI00047929C4 UniRef90_J8TVQ5	L N N A D N K F P S I K D E D G N E K Q I I H G N F I N F L E S E N R E V R K N L N N A D M K F P S I K D E N G D E L E V T H G R Y I R F L E S S D R R V R E E L N N A D L K F P S I T D E D G E E V E I T H G R Y I R F L E S S N R Q V R E D L N N A D L K F P S I Q D E N G E E V Q V T H G R F L L R F F E S D D R R V R R D L N N A D L T F P T I K D E D G E D V E I T H G R Y I Q F L E S K D R K V R E N L N N A D L K F P S I Q D E N G E E V E L T H G R Y I Q F L E S K D R K V R H D L N N A D L K F P S I Q D E N G E E V E L T K G R Y T H F M E S K D R R V R K E L N N A D L K F P R I K N E S G E E V E L T H G R Y I S F L E S K D Q R V R E E L N N A D M K F P E I E D E N G N M V E I T H G R Y I S F L E S K D Q R V R K A I N N A D M K F G T I K D E O G N E V E I T H G R Y I S F L E S P V R K O
UniRef90_UPI0003F97038 UniRef90_D3FV19	L N N A D L K F P S I Q D E N G E E V Q V T H G R L L R F F E S D D R R V R R D L N N A D L T F P T I K D E D G E D V E I T H G R F I S L L E S K D R K V R E N L N N A D L K F P S I Q D E N G E E V E V T H G R Y L Q F L E S D D P R V R H D
UniRef90_UPI0003655AC7 UniRef90_V6MDL0 UniRef90_W9AJ25	L N N A D L K F P S I Q D E N G E E V E V T H G R Y L Q F L E S D D P R V R H D L N N A D L K F P M I T D E N G E E V E L T K G R Y T H F M E S K D R R V R K E L N N A D L T F P R I K N E S G E E V E L T H G R Y L S F L E S K D Q R V R E E L N N A D M K F P E I E D E N G N M V E I T H G R Y G K M M E G K N R D V R K A
UniRef90_W7CV34 UniRef90_Q67RH1 UniRef90_A5USQ7	L N N A D L K F P MI T D E N G E E V E L T K G R Y T H F M E S K D R R V R K E L N N A D L T F P R I K N E S G E E V E L T H G R Y I S F L E S K D Q R V R E E L N N A D M K F P E I E D E N G N M V E I T H G R Y G K M M E G K N R D V R K A L N N A D L K F G T I K D E Q G N E V E L T L G R Y L R F L E S P V R D V R K Q L T N A D L H F P S I E D E Q G Q P V Q L S H G R F L R F L R S P D R R V R R D L A H A D L R F P Q I Q N E S G Q T V T L S E G R F R S F I M S P D R R V R Q A
UniRef90_A1HS44 UniRef90_F4A138	L A H A D L R F P Q I Q N E S G Q T V T L S E G R F R S F I M S P D R R V R Q A L N D A D I K F P S I K D E N G N E V E L T K G R Y M Q F M E S Q D R R V R K D
UniRef90_W0EB20 UniRef90_UPI0003813775 UniRef90_UPI00047C44CB	LINNADL K F P VI Q D E N G Q E V E L T H G N Y V R F L E S S D R R V R E E F N N A D L K F P T I K D D E G N E V E L T H G R Y V H F L E S R N R D V R K S
UniRef90_W8YQI4 UniRef90_UPI00028913BF UniRef90_R3WA27	L N N A DL K F P K V K N E K GE E V E L S H G R Y L E F L E S R N R Q V R E D L N N A DL Q F P T V K D E N G E D V Q L T H G N Y G O L E S T D R A T R E R
UniRef90_S1R7E2 UniRef90_H3NFV6	L N N A DL E F P V I E D E K G E K V Q L S H G V Y G Q L L E S T D R R V R K D L N N A DI E F P T V T N E E G E K V Q L S H G L Y G E L I Q S T D R S V R Q E
UniRef90_D6TI17 UniRef90_R9LCW9 UniRef90_R2NTZ5	I N N A D M K F P K I K D E N G N E V D L T H G S Y I Q F L E N P N R E V R E R M N N A D L K F P V V Q N E A G E D V Q L T H G V Y G Q L L E S T D R K V R E Q
UniRef90_UPI00047E0D7C UniRef90_W2E900 UniRef90_R2TGS4	L N N A D L K F P K V K D D Q G E E V E L S H G R Y I Q F L E S R N P E V R R E I N N A D I Q F P K I K N E K G E E V Q L T H G S Y I Q F L E N P D R E V R K R I N N A D I K F P V I E N E D G E K I Q I T H G V Y G Q I M E N V H R S V R E E
UniRef90_R6LK21 UniRef90_C0D4J9	L A H A D L R F P Q I Q N E S G Q T V T L S E G R F R S F L N S P D R R V R Q A A N D A D I K F P S I K D E N G N E V E L T K G R Y M Q F M E S S D R R V R K E E L N N A D L E F P V I Q D E N G E N V Q L T H G N Y V H F L E S R N R D V R K E S L N N A D L K F P S I K D E K G E E V E L T H G R Y V L E S R N R D V R K E S L N N A D L K F P K V K N E K G E E V E L T H G R Y Y L E S R N R D V R K E C L N N A D L K F P Y V K D E N G E D V Q L T H G N Y T H F L E S R N R D V R K Q E L N N A D L L T F P V V K N E E G E S V Q L S H G V Y G Q L L E S T D R R V R K Q E L N N A D L E F P T V T N E E G E K V Q L S H G V Y G Q L L E S T D R R V R R K R R L N N A D L E F P T V T N E E G E K V Q L S H G V Y G Q L L E S T D R R V R R K R R L N N A D L E F P T V T N E E G E E V V Q L S H G V Y G Q L L E S T D R R K V R R E R L N N A D L K F P K V K N E K G E E V D L T H G S Y L Q F L E S R N P E V R R K R R L N N A D L K F P K V K D E N G E E V D L T H G S Y L Q F L E S R P D R R K V R R E R MN N A D L K F P K V K D D G G E E V E L T H G S Y L Q F L E S P D R R V R R K R L N N A D L K F P K V K D D G G E E V E L T H G S Y L Q F L E S P D R R V R R K B L N N A D L K F P K V K D D G G E E V E L T H G S Y L Q F L E S P D R R V R R E S L N N A D L K F P K V K D D G G E E V E L T H G S Y L Q F L E S P D R R V R R E S L N N A D L K F P K V K D D G G E E V E L T H G S Y L Q F L E S P D R R V R R E S L N N A D L K F P S L T D E N G S Q D R S V R K A G L N N A D L K F P S L T D E N G S Q D R S V R K A G L N N A D L K F P S L T D E N G S Q D R S V R K A G L N N A D L K F P S L T D E N G S Q D R S V R K A G L N N A D D L K F P S L T D G E N G S Q D R S V R K A G L N N A D M T F G T V T G E D G Q Q V P L T H G N Y L T F M E S Q D R S V R K A G L N N A D M T F G T V T G E D G Q Q V P L T H G N Y L T F M E S Q D R S V R K A G L N N A D M T F G T V T G E D G Q Q V P L T H G N Y L T F M E S Q D R S V R K A G L N N A D M T F G T V T G E D G Q Q V P L T H G N Y L T F M E S Q D R S V R K A G L N N A D M T F G T V T G E D
UniRef90_F4FSV3 UniRef90_U5S7Y6 UniRef90_C5EGA0	L N N A DI T F P T I K D E N G N Q I K L S Q G V Y G Q L L E S T K Q S V R K E L N N A DI T F P T I K D E N G N D I Q L S H G V Y G Q L ME S T D R S V R E A F N N A D V K F P V I T G E N G E A V Q I T H G N Y I S L ME N Q D R R I R K D
UniRef90_R6EQ63 UniRef90_Q5FIA0 UniRef90_G2SWP8	L N N A D M T F G T V T G E D G Q Q V P L T H G N Y L T F M E S Q D R S V R K A L T N S D M E Y G Y V Q D D D G N M E Q L S D G L Y S L L I Q S Q N R D V R K G I N N A D L I Y P E I E D E N G E K V R L S H G N F V P F E E S G D R R V R K D F A N A D L K F P K L K N E E N E E M Q L T E A M Y S Q F I K S K D R N V R E N
UniRef90_D9SSU9 UniRef90_E6UDH3	FANADLKFPKLKNEENEEMQLTEAMYSQFLKSKDRNVREN FSDADLKFEDAVDSEGKTHQVTHGSYLPLVKSTDRELRKS
UniRef90_T0IJX5 UniRef90_C8W843 UniRef90_I9L021	L N N A D L T F P P R I K N E S G E E V E L T H G R Y S F L E S K D R R V R K K A R D V R R K K A D L K F P E I E D E N G N M V E I T H G R Y S F L M S P D R R V R R K A D L K F P E I E D E N G N M V E I T H G R Y L R F L M S P D R R V R R Q A L N N A A D L K F P S I E D E D G S N M V E L T H G R R F R S P D R R R V R R K A D L K F P S I E D E D G S O D R W V Q L L S F G R F R S P D R R R V R R K E E L A H A D L R F P S I K D E D G G D T V T L S E G R F R S P D R R R V R R K E E S C D R R R V R R K E E S C D R R R V R R K E E S C D R R R V R R K E E S C D R R R V R R E R R R C D R R C S C D R R R V R R E S C D R R R V R R E R R C D R C S C D R R R C S C D R
UniRef90_UPI00036FAA9F UniRef90_UPI000219707A UniRef90_UPI00047A2680	L
UniRef90_R9BV97 UniRef90_R6PZN5	LTNADMKFGNILDEDGENVELTEGNYSSFIKSKDRKVRKE LNDADMRFGEITDADGDKVPLTKGRYVTFLESSDRRVRKE
UniRef90_R6WFR5 UniRef90_R9BYY3 UniRef90_UP100037998B5	FRNADLRFPDIKAADGTPIQVTQGSFVPLMESSDVNIRRQ LNNADLEFPSIKDENGEEVEVTHGRYTRFLESADQRVRRD FNNADLEFEDAVDSDGQGHTLTQGTFVDLLKSPDRQLRKS
UniRef90_D4M7P1 UniRef90_B1BAT4 UniRef90_UPI00035D01D7	L T N A D L K F P T I
UniRef90_S2ZT97 UniRef90_S4ZSV8	L T N A D L K F P T I R D E E G R S V E L T E E R W Y K L S R S P S R D V R R A L T N A D M T F P K I K D E N G N E V E L T E G N Y S V F I K S K D R R V R K E L N D A D L K F G T I T D D K G N K V E L T H G N F R V F L E N R D R N L R K K F E D A D L T F D D A T D E K G Q K H K L T S G S Y I P M L M G H D R V L R E S L N N S D L Q F G F V E N E D G E T V Q L S N G L Y G Q L I R S T N R K L R K E Y N G A D I D F P T V K D K D G N E I K I T H G N F V P I L S G A D R Q L R K A
UniRef90_A5Z991 UniRef90_W4QQI0 UniRef90_E3BU93	INNADIRFGEVTNKEGEKVELTRGMYSKLIEDEDRDIRKE LTNSDMEYGYVEDEDGNTEQLSDGLYSNLIQSQNREVRKQ
UniRef90_UPI0002D2B12B UniRef90_E0S147 UniRef90_E8SEM5	FNNADLEFEDAVDSDGQGHTLTTQGTFVDLLKSPDRQLRKS LTNADLKFPTIRDEEGRSVELTTEGRYSVFIKSKDRRVRKE LTNADMTFPKIKDENGNEVELTTEGNYSVFIKSKDRRVRKE LNDADLKFGTITDDKGNKVELTTEGNYSVFIKSKDRNLRKK FEDADLTFFDDATDEKGQKHKLTSGSYLPMLMGHDRVLRES LNDADLTFFDDATDEKGQKHKLTSGSYLPMLMGHDRVLRES LNDADLTFFDDATDEKGQKHKLTSGSYLPMLMGHDRVLRKE LNDADLTFFDDATTDEKGQKHKLTTGGNYSKLIEDEDRDIRKE LNNSDLQFGFVENEDGETVQLSNGGLYGQLIRKKA INNADLRFGEVTNKEGEKVELTTRGMYSKLIEDEDRDIRKE LTNSDMEYGYVEDEDGGNTEQLSDGGLYSNLIEDEDRDIRKE LTNSDMEYGYVEDEDGGNTEQLSDGGLYSNLILQSQQNREVRKKA INNADLKFFGTIELAEGKLLELSHGSYAAACLENPDRELIRKRK FDNADLKFFGTIELAEGKVELTTRGMYEKLLKNEDRNKRKES LNNADLKFFGTVFNEDGEKFVELTTRGMYEKLLKNEDRNKRKES INNADLKFFGLVTKDDGEKHALTTQGSFLKVLEKNEDRRVRKK FDNADLKFFGLVTKDDGEKHALTTQGSFLKXNEDRRVRKK LSNADLKFFGLVTKDDGEKKVELTTRGMYEKLLKNEDRRVRKKES LNNADLKFFGLVTKDDGEKKVELTTRGNYLDLLKKNEDRRVRKK LNNADLKFFGLVTKDDGEKFVELTTRGNYLDLLKKNEDRRVRKK LNNADLKFFGLVTKDDGEKFVELTTRGNYLDLLKNEDRRVRRK LNNADLEFFPLIEDENKEELRLTTGRNYLDLLKKNEDRRVRRK LNNADLEFFPLIEDENKEELRLTTGRNYLDLLKKNEDRRVRRK LNNADLEFFPLIEDENKEELRLTTGRNYLDLLKKNERVRRK LNNADLKFFFTIKDEGGKVELSHATFGQMLLRSSKDRRVRRR LNNADLKFFFTIKDEDGHLVPLSHATFGQNYLLRSSKNREVRRR LNNADLKFFFTIKDEDGHLVPLSHATFGQNYLLRSSKNREVRRRE LNNAADLKFFFETIKDEDGHLVPLSHATFGRYNKLLESSKDRRVRRE LNNAADLKFFFETIKDEDGHLVPLSHATFGRYNKLLESSKDRRVRRE LNNAADLKFFFETIKDEDGHLVPLSHATFGRYNKLLESSKDRRVRRE LNNAADLKFFFETIKDEDGHLVPLSHATFGRYNKLLESSKDRRVRRE LNNAADLKFFFETIKDEDGHLVPLSHATFGRYNKLLESSKDRRVRRE LNNAADLKFFFETIKDEDGHLVPLSHATFGRYNKLLESSKDRRVRRE LNNAADLKFFFETIKDEDGHLVPLSHATFGRYNKLLESSKDRRVRRE LNNAADLKFFETIKDEDGHLVPLLSHATFGRYNKLLESSKDRRVRRE LNNAADLKFFETIKDEDGHLVPLLSHATFGRYNKLLESSKDRRVRRE LNNAADLKFFETIKDEGGRYVELTTHGRYNKLLESSKDRL
UniRef90_D3FSR9 UniRef90_F2JN74 UniRef90_E3DS05	INNADIKFGLVTKDDGEKVELTRGMYEKLLKNEDRNKRKELNNVDMKFPTVENAKGETVRLTHGNYIPLMESQNRSVRESLNNADLEFPLIEDENKEELRLTHGRYLDLLKNEDRRVRKDLSNADITFPKIKDENDEELELTDKNYSVYLSSKDRRVREI
UniRef90_A0A037Z273 UniRef90_M7EII2	L S N A DI T F P KI K D E N D E E I E L T D K N Y S V Y I S S K D R R V R E I L D N A DI S F P S V L D E E G Q E V D L S H G N F I T L ME S K D R R V R Q A
UniRef90_M5RU08 UniRef90_UPI000364A338 UniRef90_K1LV49	L DNADI SFPSVLDEEGQEVDL SHGNFI TLMESKDRRVRQA LNDADLRFGEI EDHEGRKVELSHATFGQML I SPDRKVRRK FTNADLKFPETI TESGQKAPL TEGRYNQL I RSTNREVRHD LSDADLKFPTI KDEDGHEVELTHSVYGKLLESSDRRVRRD LDNASLRFPEI TDEDGHLVPLSHGNYI SFMESKNREVRQE LNNADLKFGEVKDENNQPVQLTHGRYNKLI QSKNREVRKS
UniRef90_UPI00036B0D45 UniRef90_F6B8C9 UniRef90_D8MGY5	L D N A S L R F P E I T D E D G H L V P L S H G N Y L S F M E S K N R E V R Q E L N N A D L K F G E V K D E N N Q P V Q L T H G R Y N K L I Q S K N R E V R K S L D N S D I T F G D V H T E S G E T V A L T N G L F S L L L E S K S R D L R R E
UniRef90_I8AKX3 UniRef90_K6DX70	L D N S D I T F G D V H T E S G E T V A L T N G L F S L L E S K S R D L R R E I N N A D I I F G D V T D D D G G K V P L T R G M Y A K R I E D E D R S V R Q E I N N A D L R F G E V T G E Y G E P V E L T R G M Y A K L I E D E D R E K R R E MN D A D E G E V T D E Y G E P V E L T R G M Y A K L I E D E D R E K R R E
UniRef90_M1VLE8 UniRef90_U1WY95 UniRef90_B1QXD4	MNDADFDFGFVQDGQGNSIALSHGSYGTLMRSKDRTLRRN L SKDVKFPKIKDETGKDIQLTRANFVSYMESKNRGVRKA LTNADMTFGKIKNEEGNEVELTEGNYSSFIRSKDRNVRRA
UniRef90_D2RPS7 UniRef90_E0E3C6 UniRef90_Q53778	L A N A D M E F P T V E A P E G D D E E I T Q S N F V N L L K R P D R E F R Q T L S Y A D M K F P E I T D E E G K K V R L D M F N Y S K F I K S K D R R V R Q E L D N A D M V F P V V K N A K G E E V E L T H G N F L S L M E S S D R T V R K E
UniRef90_M0H7R0 UniRef90_Q67LM6 UniRef90_S5ZZB5	L N N A D L K F G E V K D E N N Q P V Q L T H G R Y N K L I Q S K N R E V R K S L D N S D I T F G D V H T E S G E T V A L T N G L F S L L L E S K S R D L R R E I N N A D I I F G D V T D D D G G K V P L T R G M Y A K R I E D E D R E K R R E M N A D I I F G D V T D D D G G K V P L T R G M Y A K L I E D E D R E K R R E M N D A D F D F G F V Q D G Q G N S I A L S H G S Y G T L M R S K D R T L R R N L S K D V K F P K I K D E T G K D I Q L T R A N F V S Y M E S K N R G V R K A L T N A D M T F G K I K N E E G N E V E L T E G N Y S S F I R S K D R N V R R A L A N A D M E F P T V E A P E G D D E E I T Q S N F V N L L K R P D R E F R Q T L S Y A D M K F P E I T D E E G K K V R L D M F N Y S K F I K S K D R R V R Q E L D N A D M V F P V V K N A K G E V E L T H G N F I S L M E S S D R T V R K E L A N A D M E F P T V E K P D G E S V E I T Q G N F T K L Q K H P N R E F R K T A R S S D M T F E P I T A P D G R S L P V S F S L Y E D E L E S A D T A V R R A L T N V D L D F G K I E T E E G E I Q L T Q S S Y S K L M L N P D R S L R E K L D N A D I R Y G T V T D V D G T T I E L T K G R Y Q L L L E R R E R R V R Q A L T N S D L E F P F V E D E D G D T T V Q L T E T R Y D L L I Q S T D R D L R M D L T D V D M E F G T I D T P E G P R A L T H S S F G A L M Q H R D R G V R Q A L A N A D V E F P S V E D P D G E P Q R I T L N N F T T L Q E N P D R Q F R R D
UniRef90_B9L544 UniRef90_K0NZJ3	L D N A DI R Y G T V T D V D G T T I EL T K G R Y Q L L L E R R E R R V R Q E L N N S D L E F P F V E D E D G D T V Q L T E T R Y D L L I Q S T D R D L R M D L T D V D M E F G T I D T P E G P R A L T H S S F G A L M Q H R D R G V R Q A
UniRef90_H9UI73 UniRef90_M0D2M5 UniRef90_D3QZU0	L T D V D M E F G T I D T P E G P R A L T H S S F G A L M Q H R D R G V R Q A L A N A D V E F P S V E D P D G E P Q R I T L N N F T T L Q E N P D R Q F R R D L N N A D L S F E S F A D A N G N L H E V T H S S Y G R L I E S P D R S L R A G L T N A D M T F P A I E D P E G G E R R I T L S N F T K L Q K H P D R A F R K R
UniRef90_M1XNA0 UniRef90_G1Y2D2 UniRef90_UPl000365A11E	LTNADMTFPAIEDPEGGERRITLSNFTKLQKHPDRAFRKR LSNADIDWPTLTLPNGQSVKLTQANYQKYREDPDRAVRKA SKLADMTFPPTENGRGEEVPVSFALYENKYESPDTDLRRN
UniRef90_UPI000363A11E UniRef90_UPI000473F41F	LSNADID WPT LT LPNGQSVKLTQANYQKYREDPDRAVRKA SKLADMT FPPT ENGRGEEVPVS FALYENKYESPDT DLRRN FNNADLKFEPVKDENGELVDVT HARYGKLTESRDRSVREA INNADI RFGEVT T D S G E KVTLT R G M Y S KLI E D K N R E K R K E

JUENY A F D A V Y K Y Y G O Y K N T M A T T L S G D W K A D N Y A R W K K Y K S A R R M Y G Y D N F F A R Y K K Y K S A R R M Y G Y D N F F A R Y K K Y K S A R R M Y G Y D N F F A R Y K K Y K S A R R M Y G Y D N F F A R Y K K Y K S A R R M Y G Y D N F F A R Y K K Y K S A R R M Y G Y D N F F A R Y K K Y K S A R R M Y G Y D N F F A R Y K K Y K S A R R M Y G Y D N F F A R Y K K Y K S A R R M Y G Y D N F F A R Y K K Y K S A R R M Y G Y D N F F A R Y K K Y K S A R R M Y G Y D N F F A R Y K K Y K S A R R M Y G Y D N F F A R Y K K Y K S A R R M Y G Y D N F F A R Y K K Y K Y S A R R M Y G Y D N F F A R Y K K Y K Y S A R R M Y G Y D N F F A R Y K Y S A R R M Y S A R R M Y S A R R M Y S A R R M Y S A R R M Y S A R R M Y		
JAMESSO DHOOGASSESIA A F HAN Y G T Y D K F K N T F A S T L A G T Y K R D N F F A R N K K P D S A R A R N K K P D S A R A R N K K P D S A R A R N K Y E S A R L R A G Y K R D N F F A R N K K Y E S A R L R A G Y K R D N F F A R N K K Y E S A R L R A G Y K R D N F F A R N K K Y E S A R L R A G Y K R D N F F A R N K K Y E S A R L R A G Y K R A R K Y E S A R L R A G Y K R A R K Y E S A R L R A G Y K R A R K Y E S A R L R A G Y K R A R K Y E S A R L R A G Y K R A R K Y E S A R L R A G Y K R A R K Y E S A R L R A G Y K R A R K Y E S A R L R A G Y K R A R K Y	QUERY	250 260 270 280 A F D A V Y K T Y G Q Y K N T M A T T L S G T V K K D N F Y A R V K K Y K S A R
JAMES DE JOHONDO 197039 A P. K. A. V. Y. D. Y. O. K. Y. K. H. F. S. A. L. S. G. A. V. K. H. L. F. T. A. V. J. R. Y. V. S. S. A. R. JAMES D. V. MONDO 1985 SACT F. A. A. V. Y. E. Y. G. K. Y. K. Y. F. S. S. L. R. G. A. V. K. H. J. F. Y. S. A. R. JAMES D. V. MONDO 1985 SACT F. A. A. V. Y. E. Y. G. K. Y. K. Y. F. S. A. R. S. S. L. R. G. A. V. K. Y. D. Y. R. Y. R. Y. R. Y. S. S. A. R. JAMES D. V. MONDO 1985 SACT F. A. A. V. Y. E. Y. G. K. Y. K. Y. F. S. S. L. R. G. G. V. K. A. D. Y. F. Y. A. Y. R. K. Y. S. S. A. R. JAMES D. V. MONDO 1985 SACT F. A. R. Y. R. Y. F. S. A. R. JAMES D. V. MONDO 1985 SACT F. A. R. Y. R. Y. F. S. A. R. JAMES D. V. G. G. G. M. Y. K. Y. G. G. G. R. Y. L. J. G. G. S. V. K. A. D. Y. F. Y. A. K. R. Y. Y. S. S. R. JAMES D. V. G. G. G. M. Y. R. Y. G. G. G. R. Y. L. J. G. G. S. V. K. A. D. Y. F. Y. A. K. R. R. Y. Y. S. S. R. JAMES D.	UniRef90_UPI000429BE44	A F H A V Y G T Y D K F K N T F A S T L A G T V K R D N F F A R V R K F D S A R
JAMES DE JOHONDO 197039 A P. K. A. V. Y. D. Y. O. K. Y. K. H. F. S. A. L. S. G. A. V. K. H. L. F. T. A. V. J. R. Y. V. S. S. A. R. JAMES D. V. MONDO 1985 SACT F. A. A. V. Y. E. Y. G. K. Y. K. Y. F. S. S. L. R. G. A. V. K. H. J. F. Y. S. A. R. JAMES D. V. MONDO 1985 SACT F. A. A. V. Y. E. Y. G. K. Y. K. Y. F. S. A. R. S. S. L. R. G. A. V. K. Y. D. Y. R. Y. R. Y. R. Y. S. S. A. R. JAMES D. V. MONDO 1985 SACT F. A. A. V. Y. E. Y. G. K. Y. K. Y. F. S. S. L. R. G. G. V. K. A. D. Y. F. Y. A. Y. R. K. Y. S. S. A. R. JAMES D. V. MONDO 1985 SACT F. A. R. Y. R. Y. F. S. A. R. JAMES D. V. MONDO 1985 SACT F. A. R. Y. R. Y. F. S. A. R. JAMES D. V. G. G. G. M. Y. K. Y. G. G. G. R. Y. L. J. G. G. S. V. K. A. D. Y. F. Y. A. K. R. Y. Y. S. S. R. JAMES D. V. G. G. G. M. Y. R. Y. G. G. G. R. Y. L. J. G. G. S. V. K. A. D. Y. F. Y. A. K. R. R. Y. Y. S. S. R. JAMES D.		A F K A V Y G K Y D E F K N I F A S I L S G I V K K D N F S A K V R N Y D S A R A F K A V Y O T Y G S Y O N T F A S T I L S G O V K R N I F Y A K V R K Y F S A R
JANSSON VOMMULS A F L A LLY S V S K F K N T LL A A S LL IS S V W K D D LLY V K L T K V Y S A LL IS S V W K D D LLY V K T L T K Y W S A LL IS S V W K D D LLY V K T L T K Y W S A LL IS S V W K D D LLY V K T L T K Y W S A LL IS S V W K D D LLY V K T L T K Y W S A LL IS S V W K D D LLY V K T L T L T T L T G D W K K D N L Y K A LL K K Y W S A LL IS S V W K D D LLY V K T L T L T T L T G D W K K D N L Y A LL K K Y W S A LL IS S W W K D L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T T L T T T L T T T L T T T L T T T L T T T L T T T T L T	UniRef90_UPI0003F97038	A F K A V Y D T Y Q K Y K N T F S S T L S G E V K K H L F T A N V R N Y Q S A R
JANSSON VOMMULS A F L A LLY S V S K F K N T LL A A S LL IS S V W K D D LLY V K L T K V Y S A LL IS S V W K D D LLY V K T L T K Y W S A LL IS S V W K D D LLY V K T L T K Y W S A LL IS S V W K D D LLY V K T L T K Y W S A LL IS S V W K D D LLY V K T L T K Y W S A LL IS S V W K D D LLY V K T L T L T T L T G D W K K D N L Y K A LL K K Y W S A LL IS S V W K D D LLY V K T L T L T T L T G D W K K D N L Y A LL K K Y W S A LL IS S W W K D L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T L T T T T L T T T L T T T L T T T L T T T L T T T L T T T T L T	UniRef90_D3FV19	A F K A V Y N T Y G Q F K N T F A Q T L S G Q V K K D L F F A N V R K Y R S A R
JANSON WYCVY 34 A F K S M Y O A Y E S M K N T I A T T T M T Y G K P T M A K M T N A K M T N A S S IL JANSON MYCVY 34 JANSON MYCVY 34 A F T G I F N T Y K O E R N T I A A T T G G S V K K N N I F Y T R T R K N S S IL JANSON MYCVY 34 A F T G I F N T Y K O E R N T I E A A T I G G S V K K N I F Y T R T R K N S S IL JANSON MYCVY 34 A F T G I F N T Y K O E R N T I E A A T I G G S V K K N I F Y T R T R K N S S IL JANSON MYCVY 34 A F T G I F N T Y K O E R N T I E A A T I G G S V K K N I F Y T R T R K N S S IL JANSON MYCVY 34 A F T G I F N T Y K O E R N T I E A A T I G G S V K K N I F Y T R T R K N S S IL JANSON MYCVY 34 A F T G I F N T Y K O E R N T I E A A T I G G S V K K N I F Y T R T R K N S S IL JANSON MYCVY 34 A F T G I F N T Y K O E R N T I E A A T I G G S V K K N D I F Y A K M K N S T I L A A I K S S IL JANSON MYCVY 34 A F T G I F N T Y K O E R N T I E A A T I G G S V K K N D I F Y A K M K N T K S S IL JANSON MYCVY 34 A F T G I F N T Y A K M T I K A M T	UniRef90 V6MDL0	A F E A L LY S T Y G K F R N T T A A S L T S S V K A D V F Y A R T R K Y P S A L
JARR890 G678H1	UniRef90_W9AJ25	A F K A M Y G K Y G E F K N T F A S T L N G N V K K D N F Y A K V R N Y N S A R
JARSHOP ASUSON A F L Y S Y S A F O S E R N T L S A S T L A O O N R T M D R N A R Y R N X S S L L M M M M M M M M M M M M M M M M		A F F A F T T Y R K F R N T A A T Y A S S V K A D V F Y A R A R R Y P S A R
JARREND P 644139 A F E 8 A L V A T V G K L K N T L S A T L S S N V K K D L F F S R V K X P S S L L M R R R R V P S S L L M R R R R V P S S L L M R R R R V P S S L L M R R R R V P S S L L M R R R R V P S S L L M R R R R V P S S L L M R R R R V P S S L L M R R R R V P S S L L M R R R R V P S S L R R R R V P S S L M R R R R V P S S L M R R R R V P S S L M R R R R V P S S L M R R R R V P S S L M R R R R V P S S L M R R R R V P S S L M R R R R R V P S S L M R R R R R R R R R R R R R R R R R R	UniRef90_A5USQ7	A F V G Y Y S A F Q G L R N T L G A S L A A Q V R T H V L N A K V R N Y A S S L
JARREND LPH00028913877. A F K A LY V A T Y G K F K N T F A S T L S G G L K K D F S A H V R N G S A R L M R N G M G M G M G M G M G M G M G M G M G		AFFALLYDTYGKIIKNTIISATILISSNVKKNIIFYTRTRKYNSTL
JARRESO D. P1000047C34C8 A F D A L IV Q T Y 8 K M K N T L L A A L L Y S A S N K K D V F Y A K M K N T K Y D S A R K M W S A K T K Y D S A R K M W S A K T K Y D S A R K M W S A K T K Y D S A R K M W S A K T K Y D S A R K M W S A K T K Y D S A K T K M W S A K T K Y D S A R K M W S A K T K Y D S A R K M W S A K T K Y D S A R K M W S A K T K Y D S A R K M W S A K T K Y D S A R K M W S A K T K Y D S A R K M W S A K T K Y D S A R K M W S A K T K Y D S A R K M W S A K T K Y D S A R K M W S A K T K T K Y D S A R K M W S A K T K Y D S A R K M W S A K T K T K T W S A K T K T K T W S A K T W S A K T W S A K T W S A K T K T W S A K T W S A K T W S A K T W S A K T W S A K T W S	UniRef90_W0EB20	A F E T L Y H T Y Q K Q N T WA A T T N A N V K A D A F F A K V R K Y P S A L
JAMESSO DIVIDUOZS91395 A F F A MY E VY G D F A NT F A S T IL S R N W K K H N V S S K IL K Q Y D S A K R MARRIER S STORY A S F E S A K R MARRIER S STORY A S F E S A K R MARRIER S STORY A S F E S A K R MARRIER S STORY A S F E S A K R MARRIER S STORY A S F E S A K R MARRIER S STORY A S F E S A K R MARRIER S STORY A S F E S A K R MARRIER S STORY A S F E S A K R MARRIER S STORY A S F E S A K R MARRIER S STORY A S F E S A K R MARRIER S STORY A S F E S A K R MARRIER S STORY A S F E S A K R MARRIER S STORY A S F E S A K R MARRIER S STORY A S F E S A K R MARRIER S S T R MARRIER S T R MARRIER S S T R MARRIER S T R MARRIER S T R MARRIER S T		A F K A V Y A T Y G K F K N T F A S T L S G Q IT K K D N F S A H V R H Y G S A R A F D A IL Y O T Y S K H K N T L A A L Y S A S V K K D V F Y A R V R K Y D S A L
JIRREND CHIVEN A F K G L I Y G V I Y K O F K N T F A S T L S S N I K G H N F K A K T R H F E S A R R A R R H F E S A R R R G L I Y G V I Y C D F A T F A S T L S S N I K G H N F K A K T R H F E S A R R R F E G L Y K W I Y C D F A T F A S T L S S N I K S D A F Y T R O R N F E S A R R R F E S A R R R F E S A R R R F E S A R R R F E S A R R R R F E S A R R R R F E S A R R R R F E S A R R R R F E S A R R R R R F E S A R R R R R R R R R R R R R R R R R R	UniRef90_W8YQI4	A F K T M Y A T Y G K L K N T L A S T L S S N V T K N V F Y A K A R K Y P S V L
JARREDO HSDY'09 A F K K M Y S TY K C R N T I A A T L S S D V K K N N Y L A K W H Y D S A K I R R W H Y D		AFHAMYETYGQFLNTFATTLTGNVKKHNVSARLRQYDSAR AFKGUYGVVKOFKNTFASTUSSHVKGHNFKAKTRKYSSAR
JARRESO DESTIY A F E G L H N S F I K R OR N T I A A T L S S O V K S N M F Y S R I N F P S T L R A T L S S O V K S N M F Y S R I N F P S T L R A T L S S O V K S N M F Y S R I N F P S T L R A T L S S O V K S N M F Y S R I N F P S T L R A T L S S O V K S N M F Y S R I N F P S T L R A T L S S O V K S N M F Y S R I N F P S T L R A T L S S O V K S N M F Y S R I N F P S T L R A T L S S O V K S N M F Y S R I N F P S T L R A T L S S O V K S N M F P S T L R A T L S S O V K S N M F Y S R I N F P S T L R A T L S S O V K S N M F Y S R I N F P S T L R A T L S S O V K S N M F P S T L R A T L S S O V K S N M F P S T L R A T L S S O V K S N M F P S T L R A T L S S O V K S N M F P S T L R A T L S S O V K S N M F P S T L R A T L S S O V K S N M F P S T L R A T L S S O V K S N M F P S T L R A T L S S O V K S N M F P S T L R A T L S S O V K S N M F M F Y S R I N M F P S S V L L S S O V K S N M F M F S T R M F M F S T M F M F M F M F M F M F M F M F M F M	UniRef90_S1R7E2	A F E GL Y K V Y Q Q F A R T F A S T L S T N V K R H N Y A A K V R H F E S A R
JAMESSO, MESONO PRODUCT. A F R ALL Y S WY R A K WA N T F A A O T L L S A H W K A H W K A K K W P S W L H R R R R W Y P S W L H R R R R W Y P S W L H R R R R W Y P S W L H R R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L M R R W Y S Y R L H R R W Y P S W L M R R W Y S Y R L H R W W M A H W Y K A K W M R W Y A S P L L H R R W Y P S W L M R R W Y A S P L L H R W W M A H W Y K A K W M R W Y A S P L L H R W W M A H W Y K A K W M R W Y A S P L L H R W W M A H W Y K A K W M R W Y A S P L L M R W W M A H W Y K A K W M R W Y A S P L L M R W M M R W W M A H W Y K A K W M R W Y A S P L L M R W M M M W M M M M W M M M M M W M		A F K K M Y F IV IY K GIL IN N T F A A T IL IQ S D IV IK K N N Y IL IA R IV I <mark>H H</mark> Y D S A R
JAMESSO, MESONO PRODUCT. A F R ALL Y S WY R A K WA N T F A A O T L L S A H W K A H W K A K K W P S W L H R R R R W Y P S W L H R R R R W Y P S W L H R R R R W Y P S W L H R R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L H R R R W Y P S W L M R R W Y S Y R L H R R W Y P S W L M R R W Y S Y R L H R W W M A H W Y K A K W M R W Y A S P L L H R R W Y P S W L M R R W Y A S P L L H R W W M A H W Y K A K W M R W Y A S P L L H R W W M A H W Y K A K W M R W Y A S P L L H R W W M A H W Y K A K W M R W Y A S P L L M R W W M A H W Y K A K W M R W Y A S P L L M R W M M R W W M A H W Y K A K W M R W Y A S P L L M R W M M M W M M M M W M M M M M W M	UniRef90_R9LCW9	A F K A V Y E T Y R K Q K N T L A A T L S A N V N K N M F Y S R V R K Y P S V L
Jinkelgo (2012) A F Q A VI Y E LY R NO R N TI A A T L S A N VIN N N II, F Y A A K R K Y P S S A R INREGO (2012) A F R N TY V Y V D Q F K N T F A Q T L S S N V K A K Q Q T F A D A R K N Y S S A R INREGO (2014) A F R N TY V S S A R N T F A Q T L S S N V K A Q Q T F A D A R K N Y S S A R INREGO (2014) A F R N TY V Y V S G F R N T T A A A F S A N V K Y A K V M R N Y S S A R INREGO (2014) A F R S K I V Y V Y S G F R N T T A A A F S A N V K Y A K V M R N Y S S A R INREGO (2014) A F R S K I V Y K Y S G F R N T T A A A F S A N V K Y M Y N A A K N Y N S A R INREGO (2014) A F R S K I V Y K Y Y S G F R N T T A A A F S A N V K Y M Y N N A K Y D S A R INREGO (2014) A F R S K I V Y K Y Y S G F R N T T A M Y K N Y K Y M Y N N A K Y D S A R INREGO (2014) A F R S K I V Y K Y Y S G F R N T T A M Y K N Y K Y M Y N Y A R A K K Y D S A R INREGO (2014) A F R S G I V S W Y S G F R N T T A M Y K N Y K Y M Y N Y N Y M Y M Y K Y K Y M Y N N A W Y M Y Y M Y M Y M Y M Y M Y M Y M Y M	UniRef90_R2NTZ5 UniRef90_UPI00047E0D7C	A F K A LLY SVY H Q F R N I F A S I L S I HI K G H N Y K A K L R G Y A S A R A F K A M Y D T Y A K W K N T L A A T L N A N V T K N L F Y A K T R K Y P S A L
Jinkelgo Deloyas A F E N Y Y A A Y E S F R N T C A A A T L D A N V K Q L D F Y A K A R N Y A S B R Jinkelgo USSYG Jinkelgo USSYG Jinkelgo USSYG A F E K L V K W V K O F R S N T C A A A T L D A N V K Q N Y F Y A K A R N Y A S S R Jinkelgo USSYG Jinkelgo USSYG Jinkelgo DESGAO A F E K L V K W V K O F R S T N T C A A A T F S A N W K Q A W F Y A K A R N Y A S S R Jinkelgo USSYG Jinkelgo REEGGA A F T N M Y E A Y K K L N N T L A A A T S T N L W Q A W F Y A K L R N Y A S R L N K W L S S R Jinkelgo REEGGA A F T N M Y E A Y K K L N N T L A A A T S T N L W Q A W F Y A A K W Y D S A R Jinkelgo REEGGA A F T N M Y E A Y K K L N N T L A T N Y N A K T D W Y N A K W H K Y D S A R Jinkelgo GSSWPB A F E G L Y S W Y A G Y G N T L N A N Y L N A K W L N Y N A K W H K Y D S A R Jinkelgo GSSWPB A F E G L Y S W Y A G Y G N T L N A N Y L N A K W L N Y N A K	UniRef90_W2E900	A F Q A V Y E T Y R N Q R N T L A A T L IS A N V N K N L F Y A R A R K Y P S V L
JAIRGEGO UPSTYOR A F K NL Y K V Y D S A R JAIRGEGO SESOAS A F F G L Y S V Y A G Y D T Y A R JAIRGEGO SESOAS A F F G L Y S V Y A G Y D T Y A R JAIRGEGO SESOAS A F F G L Y S V Y A G Y D T Y A R JAIRGEGO SESOAS A F F G L Y S V S L Y A G Y D T Y A R JAIRGEGO SESOAS A F F G L Y S V S L Y A G Y D T Y A R JAIRGEGO SESOAS A F F G L Y S V S L Y A G Y D T Y A R JAIRGEGO SESOAS A F F G L Y S V S L Y A G Y D T Y A R JAIRGEGO SESOAS A F F G L Y S V S L Y A G Y D T Y A R JAIRGEGO SESOAS A F F G L Y S V S L Y A G Y D T Y A R JAIRGEGO SESOAS A F F G L Y S V S L Y A G Y D T Y A R JAIRGEGO SESOAS A F R S L F K T Y L A T S L Y S S L K T WN F N A K L R R Y A S T L JAIRGEGO TOUXS A F R S L F K T Y C A A T L T S G Y K K N L L E F Y T K A R N Y N S A L JAIRGEGO TOUXS A F T G L F S S Y N T L A T S L Y S S L K T WN F N A K L R R Y A S T L JAIRGEGO UPIOXO215707A A F E A L Y S L Y S G D F R N T L L A T S L Y S S L K T WN F N A K L R R Y A S S L JAIRGEGO UPIOXO215707A A F E A L Y S L Y S G D F R R T L L A S T L L S G E V K K N L Q F F S S S R K Y A S S L JAIRGEGO UPIOXO215707A A F E A L Y S L Y S C Y S N T L A S T L L S G E V K W L N L Y L Y S A G Y K Y S N A L JAIRGEGO UPIOXO215707A A F E A L Y S L Y S C Y S N T L A S T L L S G E V K W R Y N N S M JAIRGEGO UPIOXO215707A A F E A L Y S L Y S C Y S N T L A S T L L S G E V K W R Y N N S M JAIRGEGO UPIOXO215707A A F E A L Y S C Y S C Y S N T L A S T L L S G E V K W R Y N N S M JAIRGEGO UPIOXO215707A A F E A L Y S C Y S C Y S N T L A S T L L S G E V K W R Y N N S M JAIRGEGO UPIOXO215707A A F E A V Y P T Y G G F R N T L L A S T L S G E V K W R Y N N S M JAIRGEGO UPIOXO215707A A F E A V Y P T Y G G F R N T L A S T L S G E V K W R Y N S A R JAIRGEGO UPIOXO215707A A F E A V Y P T Y G G F R N T L A S T L S G E V K W N T F S A S A K Y N S S N JAIRGEGO UPIOXO215707A A F E A V Y P T Y G G F R N T L A S T L S G E V K W N T F S A S A K Y N S S N JAIRGEGO BERGEY S A F K N L Y S C Y S C Y S N T L S S C W S S V K S D V F F A S A R K Y N S S N JAIR	UniRef90_R2TGS4 UniRef90_R6LK21	AFENYYAAYESFRNT <mark>C</mark> AATILDANVKOIDOFFADARKYASPI
Jankelgo USSYY6 A F K NL Y K V Y D S A R J S S R V K Y H N Y A K V H N Y D S A R J S S R V K Y H N Y D S A R J S S R V K Y H N Y D S A R J S S R V K Y H N Y D S A R J S S R V K Y H N Y D S A R J S S R V K Y H N Y D S A R J S S R V K Y H N Y D S A R J V K Y H N Y D S A R J V K Y H N Y D S A R J V K Y D S A R J V	UniRef90_C0D4J9	A FLIGHY SVYRQFRNTLA A AFSANVK QAVIFY A KARNY A SSR
Junkelgo Cassing A F T N M Y E A Y K R L N N T L A T N Y N Y N A K T D W Y S A R I M K Y D S A R Junkelgo Cassing A F D N M Y E A Y K R C N S L A S T L S G W K Y C U L Y X K A R S Y S N A L L R A Y L N A S Y G Q R S L A S T L S G W K Y C U L Y X K A R S Y S N A L L R A Y L N A S Y G Q R S L A S T L S G W K Y C U L Y X K A R S Y S N A L L R A Y L N A S Y G D R A S L I L X A Y L N A Y L	UniRef90_F4FSV3 UniRef90_U5S7Y6	A F E N L Y Q V Y K Q F Q H I L A A I L I I N V K N H N F K A N I R H Y N N A L A F K N L Y K V Y D G L Q N T F S S T L S S H V K Y H N Y N A K V H H Y D S A R
JAIRGERO OSSUPO A F D T L Y A S Y G O F O N S L A S T L S G V V K K H N Y N A K W H K Y D S A R JAIRGERO DOSSUPO A F R A S I Y S L Y K G F R N T L A T S L Y V S S L K T W F N A K L R N Y N A S T L JAIRGERO DOSSUPO A F R A S L F K T Y G B F R N T L A T S L Y V S S L K T W F N A K L R N Y N S A L I A F R A S L Y S K Y S N A L S Y S N A L	UniRef90_C5EGA0	A F E GLY SVY A QYSNTLA A A F S T NLK Q AVF Y A R A K K Y E S S R
Jinker90 D9SSU9 A F R S L F K T Y G E F R N T L A T S L V S S L K T W F N A K L R S Y S N A I L J R G W G W G W G W G W G W G W G W G W G	UniRef90_R6EQ63 UniRef90_Q5FIA0	AFINMYEAYKKLINNILIAINYNYNAKID <u>VV</u> SARIIRKYDSAA AFDTLIYASYGQFQNSLIASTLISGVVKKHNYNAKVI <mark>H</mark> KYDSAR
Jinker90 CSUM943 Jinker90 CSUW943 Jinker	UniRef90_G2SWP8	AFEAFYSLYKQFAGTI AGLYNGQVKQQLFYAKARNYASTL
JAIRGE90 _UDIOXS		A F A S Y K G Y G N F R N T <mark>C</mark> A A T D S Q M K A F F Y T K A R N Y N S A
Jinker90 19100365A49F A F E A Y R V IY G O F R R T L A S T L A S T V I A S T V I A Q A H Y P D A R Jinker90 191000365A49F A F E A V Y G T Y R G Q R N T I A S T L A S T V I X N L IY A R A R K Y P S T Jinker90 19100047A2880 A F IX T F N T Y G Q R N T I A S T L S S E V A M V I K N L IY A R A R K Y N S A R Jinker90 19100047A2880 A F IX T F N T Y G Q F Q N T L A S T L S S E V A M V I K N L IY A R A R K Y N S A R Jinker90 1989275 A F IX T F N T Y G Q Y K N S K S S V K N F V F A S A R K Y N S A R Jinker90 1989275 A F IX T L F N T Y G Q Y K N S L A A M L D A Q W K Q L T F A R A S A R K Y D S A R Jinker90 198074799855 A F K A IX Y Y K Y G Q Y K N S L A A M L D A Q W K Q L T F A R A S A R K Y D S A R L IX A S T L IY A A Y L IY A A Y L IX A M L D A Q W K Q L T F A R A S A R K Y D S A R L IX A M L D A Q W K Q L T F A R A S A R K Y D S A R L IX A W L D A Q W K Q L T F A R A S A R K Y D S A R L IX A W L D A Q W K Q L T F A R A S A R K Y D S A R L IX A W L	UniRef90_T0IJX5	A F T G L F S S Y N T L R N S F A A T L T G N V K K N F Y A R T R K Y A S T
JAIRGE90 UP100036FAA9F JAIRGE90 UP1000219707A T F K A F Y S T F D Q F Q N T I I A A T I I N A N I Y I F Y A F A R K Y P S T I L JAIRGE90 UP1000219707A T F K A F Y S T F D Q F Q N T I I A S T I I S S S I V A I V I N I F Y A F A F K Y N S A R JAIRGE90 UP100047A2680 A F K T I I F N T Y G K Y K N T F A E A I S S S I V A I V I N F Y A F A F A I K Y N S A I I JAIRGE90 R69ZNS A F K T I I F K E Y K N N I E N T F A E A I S S S I V A I V I Y G A K V I K Y N N S A I JAIRGE90 R69ZNS A F K T I I F K E Y K N N I E N T F S T I I T T S I K K N F I V G A K V I K Y N N S A I JAIRGE90 R69ZNS A F K A V Y H T Y G G Q Y K N S I A A MIL D A Q V K Q I V I F A R K A K Y D S A R JAIRGE90 D44M7P1 A F E G I Y T Y G S F K N T I S A T I S G E I K N T T F A R K A R K Y D S A R JAIRGE90 D44M7P1 A F E G I Y G Y Y G S F K N A I L A A I Y A G S V K G D I F Y A R A R R Y K Y D S A R JAIRGE90 UP1000359D1D7 A F E Q Y Y K N S I A T S I I S G E I K N T T F N A K I R R N Y D S P R JAIRGE90 UP1000359D1D7 A F E Q Y Y K N S I A T S I S I K N F F N A Y I S A R JAIRGE90 UP1000359D1D7 A F E Q Y Y K N S I M T F A S A S I S A S V I S I M T F N A K I R N Y D S S I I JAIRGE90 UP1000359D1D7 A F E Q Y Y K N S I M T F A S A S I S A S V I S I K N F F N A Y S S I I JAIRGE90 UP100035D1D7 A F E Q Y Y K N S I M T F A S A S I S A S V I S I M T F A S A F I S Y Y S S I S A S V I S A		AFFAILY RVY GOFRRTI ASTI ASOVKVIHNEVA OAHHY PDAR
JAIRGE90 UP100047A2680 A F K T I L F N T Y G K Y N T F A E A L S S S V K N F V F Q S K V R K Y N N S M JAIRGE90 R6P2NS JAIRGE90 R6P2NS A F K T I L F K E Y K N L E N T F S T T L T S S V K N F V F Q S K V R K Y N S A L JAIRGE90 R6P2NS JAIRGE90 R6P2NS A F K A V Y H T Y G G Q Y K N S L JA A M D A Q V K Q D V F F A S A R K Y D S A R JAIRGE90 P69NY3 A F K A V Y H T Y G G Q Y K N S L JA A M D A Q V K Q D V F F A S A R K Y D S A R JAIRGE90 D4M7P1 JAIRGE90 D4M7P1 JAIRGE90 D4M7P1 A F E A L V T K Y G A F K N T F A S T L L S G E I K N H T F N A K L R N Y D S P R JAIRGE90 UP100035001D7 JAIRGE90 UP100035001D7 A F F Q Y Y K A Y E E H A N T M S A S L S A S V L E D V F H A R A R K Y N Y S S J I JAIRGE90 S42SV8 JAIRGE90 S42SV8 JAIRGE90 W4QQI0 A F K T L L R A Y E S L K N T F A O T L S Q V K Q L P Y A D V V R N Y P S T R JAIRGE90 UP10002D2D12B JAIRGE90 L69S147 A F K A V Y Q P Y V Q L T N T I L A S T L S A S I K T F A A D A R T A H H Y K N A R A F A D A R Y S V L S D V Y R A W S A R A F A R Y K Y S S A R Y R Y S S V E D H A N T M A A T Y N A N V E Q A V T A H Y Y S A R A R Y K Y S S Y E Q F E N S T L S A S I K Y D S S S I JAIRGE90 L69S147 JAIRGE90 L69S147 A F K A U Y D Y Y R E Y E D H A N T F A A T L A G S V K G D V Y N A K M H K Y P S A R A R Y K Y S S A R Y R Y S Y Y Q P Y V Q L T N T I L A S T L S A S I K K N V P S A R JAIRGE90 F69B06 A Y E N M Y K A Y Y Q P Y V E L N N T I L A S T L S A S I K K N V Y N A K M H K Y P S A R JAIRGE90 L69S147 A F K A L L R A Y S S L K N N T F A A T L A G S V K G D V Y R A K M N Y P S A R JAIRGE90 L69S147 A F K A L L R A Y S S L S A S V L S A S V L S R M N N Y P S A R JAIRGE90 L69S147 A F K A L L R A Y Y S Y Y R Y Y R Y Y R Y Y R Y R Y R Y	UniRef90_UPI00036FAA9F	A F E A V Y G T Y R G Q R N T I A A T L N A N V T K N L F Y A R A R K Y P S T L
JAIRE90 R6PZN5 A F E ALVY B T Y G Q Y K N S IL A A MILD A Q V K S DUF F A S KA R K F D S A R INGRE90 R9BYY3 A F E ALVY B T Y G Q Y K N S IL A A MILD A Q V K S DUF F A S KA R K F D S A R S P D S N IL JAIRE90 D9H003798B5 JAIRE90 D9H003798B5 JAIRE90 D9H003798B5 JAIRE90 D9H003501D7 JAIRE90 S2ZT97 A F E G I Y G T Y G S F K N A L IA A ILYA G S V K G DL F Y A R A R R Y K D S N IL JAIRE90 UP100035D01D7 JAIRE90 S4ZSV8 A F E A L L R A Y E S ILK N T F A S V K G DL F Y A R A R R Y K D S S IL JAIRE90 W4QQI0 A F E A L L R A Y E S ILK N T F A O T ILS G Y V K A H N F N A T A H Y K N A R JAIRE90 UP100025D12B JAIRE90 UP100025D12B JAIRE90 S4ZSV8 A F E A L L R A Y E S ILK N T F A O T ILS G Y V K A H N F N A T A H Y K N A R JAIRE90 UP100025D12B JAIRE90 UP10002D12B JAIRE90 UP10002D12B JAIRE90 S4ZSV8 A F E A L V G T Y G F E N S IL A S ILK N T N V IT ILS K M R N Y P S A IL JAIRE90 E8SEM5 A F E A L V G T Y G S F K N A IL A A T IL A G S V K G D ILF Y A R A R K Y N S V I S D I T N T I A A T IL A G S V K G D ILF Y A R A R K Y N S V I S D I T N T I A A T IL A G S V K G D ILF Y A R A R K Y N S V I S D I T N T I A S I K N T N V T I N Y N X Y S A R A R R Y Y S D I N T N T I A A T IL A G S V K G D ILF Y A R A R R Y K D S I R N T I A A T IL A G S V K G D ILF Y A R A R R Y N S A R I N Y N A V I S A M I T A T IL A T S IL T A S IL K R N Y N S A R I T N T Y N X Y K Y Y V Y P Y I Y I Y T Y T Y S Y K N T IL A A T IL A G S V K G D ILF Y A R A R K Y N S A R T I I A S IL T N T I A A T IL A G S V K G D ILF Y A R A R K Y N S A R T I I A T I Y N T Y T Y S Y K N T IL A T T I I A S T IL T A T I K M R N Y P S A IL A T I I A T T I Y N Y I Y T Y S Y K N T I I A S T IL T A S IL K T N V I T I Y K Y A R Y Y S Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y		A F T T L F N T Y G K Y K N T F A E A L S S S V K N F V F Q S K V R K Y N S M
Jnireg90 R6WFR5 Jnireg90 R6WFR5 Jnireg90 P6WY3 Jnir	UniRef90_R9BV97	
Jilingerigo Damypy A F E A L F N T Y Y H F K N T L A A T S L T A S I K N F S F L A K K R N Y S S S I Jilingerigo Damogy Jilingerigo Damogy A F E A L F N T Y Y H F K N T L A A T S L T A S I K N F S F L A K K R N Y S S S I Jilingerigo S22T97 Jilingerigo S22T97 A F K Q L Y G R Y N C B E H A N T M S A S L S A S V L G D L F Y A R A R R Y K D S L A Jingerigo S22T97 A F K Q L Y G R Y N C B E H A N T M S A S L S A S V L G D L F Y A R A R R Y K D S L Jilingerigo S22T97 A F K Q L Y G R Y N C B E H A N T M S A S L S A S V L G D L F Y A A D C R N Y S S L Jilingerigo S22T97 A F K A L L R A Y E S L K N T F A Q T L S G Q V K Q L K F F A D S A K Y E S S L Jilingerigo S22D91 A F K A L L R A Y E S L K N T F A Q T L S G Q V K Q L K F F A D S A K Y E S S L Jilingerigo S2D403 Jilingerigo L S S S M S A S L L R A S T L S G Q V K A H N F N A T A H H Y K N A A R Jilingerigo S2D403 Jilingerigo S22D93 A F K A L Y Y Q P Y Y G L T N T T L A A T T L S A S L K A R K Y N N S A R Jilingerigo S2D403 Jilingerigo S2D403 A F K A L Y N A Y Y Q P Y V G L T N T F A A T L S G Q V K A H N F N A K M H K Y H S A R A R X Y N S A R Jilingerigo S2D505 A F K A L Y N C Y Y R E Y E D H A N T F A A T L S G Q V K A H N F N A K M K Y Y P S A L Jilingerigo S2D505 A F K A L Y N C Y Y R E Y E D H A N T F A A T L S G Q V K A C D V V H A H X Y K S A R JILINgerigo S2D505 A F K A L Y N Y Y Y P Y F L M K N T F A A S L L S G G V K K H V I P N A R S R K Y K S S L Jilingerigo S2D505 A F K A L Y N Y Y Y Y P Y F L M K N T F A A S L L S A S L K N Y N S A R JILIngerigo S2D505 A F K A L Y N Y Y Y Y P Y F L M K N T F A A S L L S A S L K S A S L S A S V K G D V T Y A R S R K Y K S S L JILIngerigo S2D505 A F K A M H G E Y K N S E N T F A A S L L S S L V K K H V I P N A R S R K Y K S S L JILIngerigo S2D505 A F K A M H G E Y K N S E N T F A S L L S S S V K G D V T Y A R S R K Y K S S L JILIngerigo S2D505 A F K A M H G E Y K N S T Y F A L L A T T L Y K C M N N Y F A S R K Y K Y S S L JILIngerigo S2D505 A F K A M H G E Y K N S K L N T F A S L L S S S L V K K N Y	UniRef90_R6PZN5 UniRef90_R6WFR5	A F F A IV IV H T Y G O Y K N S II IA A MII ID A O IV IK O II IT F A R K A R K F D S N II I
Jilingerigo Damypy A F E A L F N T Y Y H F K N T L A A T S L T A S I K N F S F L A K K R N Y S S S I Jilingerigo Damogy Jilingerigo Damogy A F E A L F N T Y Y H F K N T L A A T S L T A S I K N F S F L A K K R N Y S S S I Jilingerigo S22T97 Jilingerigo S22T97 A F K Q L Y G R Y N C B E H A N T M S A S L S A S V L G D L F Y A R A R R Y K D S L A Jingerigo S22T97 A F K Q L Y G R Y N C B E H A N T M S A S L S A S V L G D L F Y A R A R R Y K D S L Jilingerigo S22T97 A F K Q L Y G R Y N C B E H A N T M S A S L S A S V L G D L F Y A A D C R N Y S S L Jilingerigo S22T97 A F K A L L R A Y E S L K N T F A Q T L S G Q V K Q L K F F A D S A K Y E S S L Jilingerigo S22D91 A F K A L L R A Y E S L K N T F A Q T L S G Q V K Q L K F F A D S A K Y E S S L Jilingerigo S2D403 Jilingerigo L S S S M S A S L L R A S T L S G Q V K A H N F N A T A H H Y K N A A R Jilingerigo S2D403 Jilingerigo S22D93 A F K A L Y Y Q P Y Y G L T N T T L A A T T L S A S L K A R K Y N N S A R Jilingerigo S2D403 Jilingerigo S2D403 A F K A L Y N A Y Y Q P Y V G L T N T F A A T L S G Q V K A H N F N A K M H K Y H S A R A R X Y N S A R Jilingerigo S2D505 A F K A L Y N C Y Y R E Y E D H A N T F A A T L S G Q V K A H N F N A K M K Y Y P S A L Jilingerigo S2D505 A F K A L Y N C Y Y R E Y E D H A N T F A A T L S G Q V K A C D V V H A H X Y K S A R JILINgerigo S2D505 A F K A L Y N Y Y Y P Y F L M K N T F A A S L L S G G V K K H V I P N A R S R K Y K S S L Jilingerigo S2D505 A F K A L Y N Y Y Y Y P Y F L M K N T F A A S L L S A S L K N Y N S A R JILIngerigo S2D505 A F K A L Y N Y Y Y Y P Y F L M K N T F A A S L L S A S L K S A S L S A S V K G D V T Y A R S R K Y K S S L JILIngerigo S2D505 A F K A M H G E Y K N S E N T F A A S L L S S L V K K H V I P N A R S R K Y K S S L JILIngerigo S2D505 A F K A M H G E Y K N S E N T F A S L L S S S V K G D V T Y A R S R K Y K S S L JILIngerigo S2D505 A F K A M H G E Y K N S T Y F A L L A T T L Y K C M N N Y F A S R K Y K Y S S L JILIngerigo S2D505 A F K A M H G E Y K N S K L N T F A S L L S S S L V K K N Y	UniRef90_R9BYY3	A F K A V Y D T Y G K F K N T F A S T L S G E I K N H T F N A K I R N Y D S P R
JAIRGE90_UP100035001D7 A F F Q Y Y K A Y E S E HA N T M S A S L S A S V LED VIF HA R A R K Y N S V L JAIRGE90_S4Z5V8 JAIRGE90_S4Z5V8 A F E A L L R A Y E S L K N T F A A T L N A O V L K Q L K F F A D S R K Y E S S L JAIRGE90_W4QQ10 A F E A L L R A Y E S L K N T F A A T Y N A N V E Q A C F Y A D V R N Y P S T R JAIRGE90_E3BU93 JAIRGE90_E3BU93 A F D T M F A T T Y G Q F E N S L A S T L S A S L K T N V N A K M H K Y H S A R JAIRGE90_E0S147 S F E A F Y G K Y E E F K N T W A A M Y D G E V K G R N Y P S A R JAIRGE90_E0S147 S F E A F Y G K Y E E F K N T W A A M Y D G E V K G R N Y P S A R JAIRGE90_E3BU93 A F D T M F A T T Q Y Y R E Y E D H A N T F A A T L L A G S V K Q D V Y H A R V K N Y P S A R JAIRGE90_E3BU93 A F L A H Y K A Y S S F L N T L A S T L L S G V K G D V Y H A R W R N Y P S A R A M Y B C S S M K N Y P S A R A M Y D G E V K G R I F E A K A R K Y N S A F A M Y K A Y Y C P Y V R E Y E D H A N T F A A T L L A G S V K Q D V Y H A R W K N Y P S A R A M Y B C S V K Y E S F K N T W A A M Y D G E V K G R I F E A K A R K Y N S A F A M Y K A Y Y C S Y W N T L N A T L A G S V K G D V F Y A R A K K Y N S A F A M Y K A Y Y C S Y W N T L N A T L L A G S V K G D V F Y A R A K K Y N S A F A M Y K A Y Y C S Y V K P Y V E L N N T I L A S T L L S G V K G D V F Y A R A K K Y N S A R A M Y B A Y Y K P Y V E L N N T I L A S T L L S G V K G D V F Y A R A K K Y N S A R A M Y B A Y Y K P Y V E L N N T I L A S T L L S G V K G D V F Y A R S R K Y K S S L JAIRGE90_E3DS05 A F K A M H G E Y K N S E N T F A A D L L A S A I K T N V T T Y S Y K K Y K S S L JAIRGE90_H10003664A388 A F K A M H G E Y K N S E N T F A A D L L G S V K G D V F Y A R S R K Y K S S L JAIRGE90_H1000366A388 A F K A M H G E Y K N S E N T F A A M L N S T M F Q A K T R K Y O S T L N M F M Y M Y M Y M Y M Y M Y M Y M Y M Y	UniRef90_D4M7P1	
JAIRE690_S4ZSV8 JAFE A L L R A Y E S L K N T F A Q T L S G Q V K A H N F N A T A H H Y K N A R JAIRE690_W4QQ10 JAIRE690_W4QQ10 JAIRE690_E3BU93 JAFE A L L R A Y E S L K N T F A Q T L S G Q V K A H N F N A T A H H Y K N A R A Y K A S Y Q P Y V Q D T Y G K M K N T I I A S T L S A S J L K T N V T L S K M R N Y P S A L JAIRE690_E0S147 JAIRE690_E0ES147 JAIRE690_E0S147 JAIRE690_E0ES147 JAIRE690_E0ES147 JAIRE690_E0S147 JAIRE690_E0ES147 JAIRE	UniRef90_B1BAT4	A F E ALF N T Y Y H F K N T L A T S L T A S I K N F S F L A K K R N Y S S S I
JAIRE690_S4ZSV8 JAFE A L L R A Y E S L K N T F A Q T L S G Q V K A H N F N A T A H H Y K N A R JAIRE690_W4QQ10 JAIRE690_W4QQ10 JAIRE690_E3BU93 JAFE A L L R A Y E S L K N T F A Q T L S G Q V K A H N F N A T A H H Y K N A R A Y K A S Y Q P Y V Q D T Y G K M K N T I I A S T L S A S J L K T N V T L S K M R N Y P S A L JAIRE690_E0S147 JAIRE690_E0ES147 JAIRE690_E0S147 JAIRE690_E0ES147 JAIRE690_E0ES147 JAIRE690_E0S147 JAIRE690_E0ES147 JAIRE	UniRef90 S2ZT97	A F K QLLY G R Y N Q F R N T S A A ML T S Q V K QL K F F A D S R K Y E S S L
JAIRE690_W4QQI0 JAIRE690_E3BU93 A Y K A Y Y Q P Y W QLL T N T I A S T I S A S I K T N W T I S K M R N Y P S A R JAIRE690_UP10002D2B12B A F D T M F A T Y G Q F E N S L A S T I L S G V K K Q D W Y H A R W N N A K M H K Y H S A R A S T L S G V K G D W X D W Y H A R W N N Y P S A R JAIRE690_E8SEM5 A F T Q Y Y R E Y E D H A N T F A A T L A G S V K Q D W Y H A R W N N Y P S A R JAIRE690_E8SEM5 A Y E N M Y K A Y G S Y N N T I L A A T L L A G S V K G R I F E A K A R K Y N S A F JAIRE690_B3SEN5 A Y E N M Y K A Y G S Y N N T I A S T L S S A I K T N W T F N A S H N Y K S A R JAIRE690_B3SEN5 A Y H A Y Y K P Y W E L N N T I A S T L S S A I K T N W T F N A S H N Y F S A L JAIRE690_B00A0A037Z273 A F K A M H G E Y K N S E N T F A A Y L D S S V K G D W F Y A R S R K Y K S S L JAIRE690_M7EI12 A F K A M H G E Y K N S E N T F A A D L D S S V K G D W F Y A R S R K Y K S S L JAIRE690_M7EI12 A F K A M H G E Y K N S E N T F A A D L D S S V K G D W F Y A R S R K Y K S S L JAIRE690_M7EI12 A F K A M H G E Y K N S E N T F A A Y L D S S V K G D W F Y A R S R K Y K S S L JAIRE690_M7EI12 A F K A M H G E Y K N S E N T F A A Y L D S S V K G D W F Y A R S R K Y K S S L JAIRE690_M7EI12 A F K A M Y S T Y Q Q F Q H T Y A K T L G G S I Q M V F Y A R A K N Y D S S L JAIRE690_M7EI12 A F K A Y Y S T Y Q Q F Q H T Y A K T L G G S I Q M V Y A R A K N Y D S S L JAIRE690_M7EI12 A F K A Y Y S W Y S T Y Q Q F Q H T Y A K T L G G S I Q M V Y A R A K N Y D S S L JAIRE690_M7EI12 A F K A Y Y S W Y S T Y G Q F Q H T Y A K T L G Q N Y K W M N N N L Q A R K T R K Y Q S T L N M N N T Y A K A Y Y S W Y S Y T Y G Q F Q H T Y A K T L G Q N Y K W M N N N L Q A R K T R K Y Q S T L N M N N T Y A K A Y Y K P Y T E M K N T L A S T L S A A L K N N V T L A K L R K Y N S A R A Y K A Y Y Q P Y W Q L K N T L A S T L S A A L K N N V T L A K L R K Y N S A R A Y K A Y Y Q P Y W Q L K N T L A S T L S A A L K N N V T L A K L R K Y P S A L JAIRE690_B1QXD4 A F K A M Y S T Y G Q F Q H T Y A K T L G Q W Q N W A L R H Y P S A L L JAIRE690_B1QXD4 A F K A M Y S T Y G Q F S	UniRef90_S4ZSV8	A F E A L L R A Y E S L K N T F A Q T L S G Q V K A H N F N A T A H H Y K N A R
JniRef90_UP10003680D45	UniRef90_A52991 UniRef90_W4QQI0	A Y K A Y Y Q P Y V Q L T N T II A S T L S A S I K T N V T L S K M R N Y P S A L
JniRef90_UP10003680D45	UniRef90_E3BU93	A F D T M F A T Y G Q F E N S L A S T L S G V V K A H N Y N A K M H K Y H S A R
JniRef90_UP10003680D45	UniRef90_E0S147	SFEAFYGKYEEFKNT <u>W</u> AAM <u>Y</u> DGEVKGRIFEAKARKYNSAF
JniRef90_UP10003680D45	UniRef90_E8SEM5	A Y E N M Y K A Y G S Y N N T L A A T L A G E V K K H V F N A R S H N Y K S A R
JniRef90_UP10003680D45	UniRef90_F2JN74	AFTALYNTYTSYKNTUSTLEAANIKQYGFFSSMRHFETPL
JniRef90_UP10003680D45	UniRef90_E3DS05 UniRef90_A0A0377273	A F K A MHGEYKNSENT FA AIVLIDSSIVKGDIVFY A R S R K Y K S S L A F K A T F N T Y N K Y K N T F A IT SITT S SITK N F IT F N S K T R K F N S SIT
JniRef90_UP10003680D45	UniRef90_M7EII2	AYEAYYSTYQQFQHTYAKTLATTVKQHNFSAKVRHYDSAR
JniRef90_UP10003680D45	UniRef90_M5RU08 UniRef90_UPI000364A338	A F H Q Y Y E Q F S S H E N T L A A T L G G S I Q R D V Y Y A R A K N Y D S S L A F K N L F N T Y S S F R N T I A T T Y S A N I N S T M F O A K T R K Y O S T I I
JniRef90_E0E3C6 A F E A E F G T Y K K Y S N T M A S T L F G G I K A E I F N S S I R K Y P S A L JniRef90_Q53778 A Y Q A M Y S T Y E Q F Q H T Y A K T L Q T N V K S Q N F K A R V H H Y Q S A R JniRef90_M0H7R0 JniRef90_G67LM6 JniRef90_B9L544 JniRef90_B9L544 A Y Q Q V F H A P Y I A H R H T L A A L L S A A N Q R D T F Y A R A R R Y E S A L JniRef90_H9UI73 JniRef90_H9UI73 A Y E R F Y T Q F E G H R N T L A S L Y N G S V Q L D V Y K A K A R G F E S A R JniRef90_M0D2M5 JniRef90_M0D2M5 JniRef90_M1XNA0 A F K S L H T S Y K N D I N T F A A T L G S L V K L H N L D A K L R G F G S A R JniRef90_M1XNA0 S Y E A F Y D E WD E Y R N S V A T A Y K N S V K A D R K L A D A R H Y D S A R JniRef90_UP1000365A11E JniRef90_UP1000365A11E A F N T F S E T L Y K Y R N T F A E A Y G T E V K R Q V L E S G L R G Y D F V T A F H S L Y A S Y R Q F A N T V A A N Y E G N V K Q G N F Y A R M R K Y P S A R	UniRef90_K1LV49	N F K A Y Y S Y D Q F K N T F A S L I T G Q M K L H N Y Q A K V R H F D S A R
JniRef90_E0E3C6 A F E A E F G T Y K K Y S N T M A S T L F G G I K A E I F N S S I R K Y P S A L JniRef90_Q53778 A Y Q A M Y S T Y E Q F Q H T Y A K T L Q T N V K S Q N F K A R V H H Y Q S A R JniRef90_M0H7R0 JniRef90_G67LM6 JniRef90_B9L544 JniRef90_B9L544 A Y Q Q V F H A P Y I A H R H T L A A L L S A A N Q R D T F Y A R A R R Y E S A L JniRef90_H9UI73 JniRef90_H9UI73 A Y E R F Y T Q F E G H R N T L A S L Y N G S V Q L D V Y K A K A R G F E S A R JniRef90_M0D2M5 JniRef90_M0D2M5 JniRef90_M1XNA0 A F K S L H T S Y K N D I N T F A A T L G S L V K L H N L D A K L R G F G S A R JniRef90_M1XNA0 S Y E A F Y D E WD E Y R N S V A T A Y K N S V K A D R K L A D A R H Y D S A R JniRef90_UP1000365A11E JniRef90_UP1000365A11E A F N T F S E T L Y K Y R N T F A E A Y G T E V K R Q V L E S G L R G Y D F V T A F H S L Y A S Y R Q F A N T V A A N Y E G N V K Q G N F Y A R M R K Y P S A R	UniRef90_UPI00036B0D45 UniRef90_F6B8C9	AYEAMYSTYEQFQ <mark>H</mark> TYAKTL QSN V K V NN L QAR L RKYNSAR AYNF YR VYRSFKNT GOTY NSV KKD <mark>C</mark> YAR RKYNSA
JniRef90_E0E3C6 A F E A E F G T Y K K Y S N T M A S T L F G G I K A E I F N S S I R K Y P S A L JniRef90_Q53778 A Y Q A M Y S T Y E Q F Q H T Y A K T L Q T N V K S Q N F K A R V H H Y Q S A R JniRef90_M0H7R0 JniRef90_G67LM6 JniRef90_B9L544 JniRef90_B9L544 A Y Q Q V F H A P Y I A H R H T L A A L L S A A N Q R D T F Y A R A R R Y E S A L JniRef90_H9UI73 JniRef90_H9UI73 A Y E R F Y T Q F E G H R N T L A S L Y N G S V Q L D V Y K A K A R G F E S A R JniRef90_M0D2M5 JniRef90_M0D2M5 JniRef90_M1XNA0 A F K S L H T S Y K N D I N T F A A T L G S L V K L H N L D A K L R G F G S A R JniRef90_M1XNA0 S Y E A F Y D E WD E Y R N S V A T A Y K N S V K A D R K L A D A R H Y D S A R JniRef90_UP1000365A11E JniRef90_UP1000365A11E A F N T F S E T L Y K Y R N T F A E A Y G T E V K R Q V L E S G L R G Y D F V T A F H S L Y A S Y R Q F A N T V A A N Y E G N V K Q G N F Y A R M R K Y P S A R	UniRef90_D8MGY5	AFETLY DSYLGLONT FASTLSSHIKGHNFLAKVRHYNSAR
JniRef90_E0E3C6 A F E A E F G T Y K K Y S N T M A S T L F G G I K A E I F N S S I R K Y P S A L JniRef90_Q53778 A Y Q A M Y S T Y E Q F Q H T Y A K T L Q T N V K S Q N F K A R V H H Y Q S A R JniRef90_M0H7R0 JniRef90_G67LM6 JniRef90_B9L544 JniRef90_B9L544 A Y Q Q V F H A P Y I A H R H T L A A L L S A A N Q R D T F Y A R A R R Y E S A L JniRef90_H9UI73 JniRef90_H9UI73 A Y E R F Y T Q F E G H R N T L A S L Y N G S V Q L D V Y K A K A R G F E S A R JniRef90_M0D2M5 JniRef90_M0D2M5 JniRef90_M1XNA0 A F K S L H T S Y K N D I N T F A A T L G S L V K L H N L D A K L R G F G S A R JniRef90_M1XNA0 S Y E A F Y D E WD E Y R N S V A T A Y K N S V K A D R K L A D A R H Y D S A R JniRef90_UP1000365A11E JniRef90_UP1000365A11E A F N T F S E T L Y K Y R N T F A E A Y G T E V K R Q V L E S G L R G Y D F V T A F H S L Y A S Y R Q F A N T V A A N Y E G N V K Q G N F Y A R M R K Y P S A R	UniRef90_I8AKX3 UniRef90_K6DX70	A Y K A Y Y K P Y T E M K N T A S T A A A K N N V A M A D R H Y P S A L A Y K A Y Y Q P Y V Q K N S A S T S A A K N N V T A K R H Y P S A L
JniRef90_E0E3C6 A F E A E F G T Y K K Y S N T M A S T L F G G I K A E I F N S S I R K Y P S A L JniRef90_Q53778 A Y Q A M Y S T Y E Q F Q H T Y A K T L Q T N V K S Q N F K A R V H H Y Q S A R JniRef90_M0H7R0 JniRef90_G67LM6 JniRef90_B9L544 JniRef90_B9L544 A Y Q Q V F H A P Y I A H R H T L A A L L S A A N Q R D T F Y A R A R R Y E S A L JniRef90_H9UI73 JniRef90_H9UI73 A Y E R F Y T Q F E G H R N T L A S L Y N G S V Q L D V Y K A K A R G F E S A R JniRef90_M0D2M5 JniRef90_M0D2M5 JniRef90_M1XNA0 A F K S L H T S Y K N D I N T F A A T L G S L V K L H N L D A K L R G F G S A R JniRef90_M1XNA0 S Y E A F Y D E WD E Y R N S V A T A Y K N S V K A D R K L A D A R H Y D S A R JniRef90_UP1000365A11E JniRef90_UP1000365A11E A F N T F S E T L Y K Y R N T F A E A Y G T E V K R Q V L E S G L R G Y D F V T A F H S L Y A S Y R Q F A N T V A A N Y E G N V K Q G N F Y A R M R K Y P S A R	UniRef90_M1VLE8	AFTTUHGKYRSFENTLAELLSGAVETHVFHAKARRYRSAL
JniRef90_E0E3C6 A F E A E F G T Y K K Y S N T M A S T L F G G I K A E I F N S S I R K Y P S A L JniRef90_Q53778 A Y Q A M Y S T Y E Q F Q H T Y A K T L Q T N V K S Q N F K A R V H H Y Q S A R JniRef90_M0H7R0 JniRef90_G67LM6 JniRef90_B9L544 JniRef90_B9L544 JniRef90_B9L544 A Y Q V F H A P Y I A H R H T L A A L L S A A N Q R D T F Y A R A R R Y E S A L JniRef90_H9UI73 JniRef90_H9UI73 A Y E R F Y T Q F E G H R N T L A S L Y N G S V Q L D V Y K A K A R G F E S A R JniRef90_M0D2M5 JniRef90_M0D2M5 JniRef90_M1XNA0 A F K S L H T S Y K N D I N T F A A T L G S I V K L H N L D A K L R G F G S A R JniRef90_M1XNA0 S Y E A F Y D E WD E Y R N S V A T A Y K N S V K A D R K L A D A R H Y D S A R JniRef90_UP1000365A11E JniRef90_D7GTZ8	UniRef90_U1WY95 UniRef90_B1QXD4	A F E A Y Y K I L E G F R D I F A Q T L A G K V K A N N T Y A K A R K Y P N A L A F E K L F G E Y D K F K N T L A T S L T C S L K N F N F M S R V R K Y F S A L
JniRef90_M0H7R0 JniRef90_M0H7R0 JniRef90_Q67LM6 JniRef90_S5ZZB5 JniRef90_B9L544 JniRef90_B9L544 JniRef90_M0NZJ3 A F E A L Y S S Y E Q F E S T F A S T L A G N V K A D N Y R A L V H D Y P N A L JniRef90_M0D2M5 JniRef90_M0D2M5 JniRef90_M1XNA0 JniRef90_M1XNA0 S Y E A F Y D E WD E Y R N S V A T A Y K N S V K A D R K L A D A R H Y D S A R JniRef90_G1Y2D2 JniRef90_UP1000365A11E JniRef90_UP1000365A11E A F N T F S E T L Y K Y R N T F A E A Y G T E V K R Q V L E S G L R G Y D F V T JniRef90_D7GTZ8	UniRef90_D2RPS7	VHEEYYDEWSAMRNTVASAYKNSVKADVKTARARNYDTAR
JniRef90_M0H7R0 JniRef90_M0H7R0 JniRef90_Q67LM6 JniRef90_S5ZZB5 JniRef90_B9L544 JniRef90_B9L544 JniRef90_H9UI73 A Y K Q L Y G V I A H R H T L A A L L S A A N Q R D T F Y A R A R R Y E S A L L I S A A N Q R D T F Y A R A R R Y E S A L L I S A A N Q R D T F Y A R A R R Y E S A L L I S A A N Q R D T F Y A R A R R Y E S A L L I S A A N Q R D T F Y A R A R R Y E S A L L I S A A N Q R D T F Y A R A R R Y E S A L L I S A A N Q R D T F Y A R A R R Y E S A L L I S A A N Q R D T F Y A R A R R Y E S A L L I S A A N Q R D T F Y A R A R R Y E S A L L I S A A N Q R D T F Y A R A R R Y E S A L L I S A A N Q R D T F Y A R A R R Y E S A L L I S A A N Q R D T F Y A R A R R Y E S A L L I S A A N Q R D T F Y A R A R R Y E S A L L I S A A N Q R D T F Y A R A R R Y E S A L L I S A A N Q R D T F Y A R A R R Y	UniRef90_E0E3C6 UniRef90_Q53778	A F E A E F G I Y K K Y S N I MA S T L F G G I K A E L F N S S I R K Y P S A L A Y Q A M Y S T Y E Q F Q H T Y A K T I O T N V K S O N F K A R V H H Y O S A R
JniRef90_S922B5	UniRef90_M0H7R0	VHEEFYDRWADVRNSVGASLKNSVKKDVKTARI RNYETAR
JniRef90_B9L544 A Y Q V F H A P Y II A H R H T L A A L L S A A N Q R D T F Y A R A R R Y E S A L JniRef90_K0NZJ3 A F E A L Y S S Y E Q F E S T F A S T L A G N V K A D N Y R A L V H D Y P N A L JniRef90_M0D2M5 JniRef90_D3QZU0 A F K S L H T S Y K N D II N T F A A T L G S I V K L H N L D A K L R G F G S A R JniRef90_M1XNA0 S Y E A F Y D E WD E Y R N S V A T A Y K N S V K A D R K L A D A R H Y D S A R JniRef90_UP1000365A11E JniRef90_UP1000365A11E A F N T F S E T L Y K Y R N T F A E A Y G T E V K R Q V L E S G L R G Y D F V T A F H S L Y A S Y R Q F A N T V A A N Y E G N V K Q G N F Y A R M R K Y P S A R	UniRef90_Q67LM6 UniRef90_S5ZZB5	
JniRef90_M0D2M5 VYETFY DEWETYRNS I AAAYKNS VKIDVKLARARNYD I AR JniRef90_D3QZU0 AFKS LHTSYKND I INTFAATL GS VKLHNLD AKLRGFGSAR JniRef90_M1XNA0 SYEAFY DEWDEYRNS VATAYKNS VKADRKLADARHYD SAR JniRef90_G1Y2D2 VFDAFWTKFGQYANTMGSTLGNTVQGDVI QSKLRHYPSAV JniRef90_UP1000365A11E AFNTFSETLYKYRNTFAEAYGTEVKRQVI ESGLRGYDFVT JniRef90_D7GTZ8 AFHS LYASYRQFANTVAANYEGNVKQGNFYARMRKYPSAR	UniRef90_B9L544	AYQVEHAPYDAHRHTLAALLSAANQRDTFYARARRYESAL
JniRef90_M0D2M5 VYETFY DEWETYRNS I AAAYKNS VKIDVKLARARNYD I AR JniRef90_D3QZU0 AFKS LHTSYKND I NTFAATL GS VKLHNLD AKLRGFGSAR JniRef90_M1XNA0 SYEAFY DEWDEYRNS VATAYKNS VKLHNLD AKLRGFGSAR JniRef90_G1Y2D2 VFDAFWTKFGQYANTMGSTLGNTVQGDVI QSKLRHYPSAV JniRef90_UP1000365A11E AFNTFSETLYKYRNTFAEAYGTEVKRQVI ESGLRGYDFVT JniRef90_D7GTZ8 AFHS LYASYRQFANTVAANYEGNVKQGNFYARMRKYPSAR	UniRef90_K0NZJ3 UniRef90_H9UI73	A F E A LLY S S Y E Q F E S T F A S T L A G N V K A D N Y R A L V H D Y P N A L A Y F R F Y T Q F F G H R N T [] A S L Y N G S V Q [] D V V K A K A R G F F S A R
JniRef90_M1XNA0 SYEAFY DEWDEYRNSVATAYKNSVKA DRKLJA DARHYDSAR JniRef90_G1Y2D2 VFDAFWTKFGQYANTMGSTLGNTVQGDVIQSKLRHYDSAV JniRef90_UP1000365A11E AFNTFSETLJYKYRNTFAEAYGTEVKRQVIESGLRGYDFVT JniRef90_D7GTZ8 AFHSLYASYRQFANTVIAANYEGNVKQGNFYARMRKYPSAR	UniRef90_M0D2M5	VY E T F Y D E WE T Y R N S L A A A Y K N S V K T D V K L A R A R N Y D T A R
JniRef90_G1Y2D2	UniRef90_D3QZU0 UniRef90_M1XNA0	SYFAFYDFWDFYRNSIVIA I AYKNSIVIKADRKII IADARHYDSAR
JniRef90_UPI000365A11E	UniRef90_G1Y2D2	VFDAFWIKEGQYANIMGSTLGNIVQGDVIQSKLRHYPSAV
JniRef90_UPI000473F41F A F Q A Y Y K P Y M H L Q H T I A S T L S S A I K N T K T T S E I R Q Y P S T L	UniRef90_UPI000365A11E	A F N T F S E T L J Y K Y R N T F A E A Y G T E V K R Q V I E S G L R G Y D F V T A F H S L Y A S Y R O F A N T V A A N Y F G N V K O G N F V A P M P K Y P S A P
	UniRef90_UPI000473F41F	A F Q A Y Y K P Y M H L Q H T I A S T L S S A I K N T K T T S E I R Q Y P S T L

		290	300	310	320
QUERY UniRef90 UPI000429BE44	E A A L S N N S Q A A L N N N N		ONLVKTINKH ONLVKTVNDH	LPLLHRYIAL	R K K V L E R K K A L G
UniRef90_UPI00047929C4	QAALSSDN	PEEVY	E N L V N T I <mark>H</mark> D H	L D L L Q R Y V K L	_ R K E V L K
UniRef90_J8TVQ5 UniRef90_UPI0003F97038	EAALSSNH	PEIVY	O O I V D T V N N H	L H L L H R Y V R L	_ R K R V L Q
UniRef90_D3FV19 UniRef90_UPI0003655AC7	E A A L S Q N H Q A A L S N N N	PEVVY [O QIL VIETII IN K N		RKKVLG RKRALG
UniRef90_V6MDL0	YSALFADN	/ D) NII I IA TII IR F H	LPLMHRYLSL	RKKALG
UniRef90_W9AJ25 UniRef90_W7CV34	E A A L D N N N H A A L F G N H	P E Q V Y I	ONLVEAVNEK OSLLEAVNDQ	L P L L H R Y A A L L S L L Q R Y V G L	RKKVMK RKQLLG
UniRef90_Q67RH1 UniRef90_A5USQ7		/ P F S V Y [O N L L A T V N K N N L I A T V N A S	L S L L Q R Y V G L L P S L H R Y V Q L L P R L H R Y F Q A L P L L H R Y V A L	_
UniRef90_A1HS44	EAALEPDN	/ P I A V Y N	N L A T V H E H	LPLLHRYVÄL	_
UniRef90_F4A138 UniRef90_W0EB20		/)(-		_ R K K M L G _ R K K M L G
UniRef90_UPI0003813775 UniRef90_UPI00047C44CB	ESALSRNH	P <u>E</u> E V Y [O A L I K T V R E Y O N L V S T I N K N O N L L A A V D E S N L I D T V H K S	L P L L H R Y I A L L P T L H K Y L K L	
UniRef90_W8YQI4	E M S L Y G D N	PKTVY	NLIDIVHKS	L P L M Y R Y M E L L P L M H K Y I S L	_ R K K L L G
UniRef90_UPI00028913BF UniRef90_R3WA27	HAALSNNQ EASLSNNH	PFSVY	O Q L L D T V H H N O T L V T V V N N H	II PII I HRYVAII	
UniRef90_S1R7E2 UniRef90_H3NFV6	QAALSGNH HQALSNNH	PESIVIYE	O T L V T V V N N H E T L V S V V N E N O T L L E V V N E N	L P L L H R Y M A L L P L L H R Y M A L	_ R K R L L N
UniRef90_D6TI17	QRALSAHN	PESVY) N O T V H D H		_ R K R V L K
UniRef90_R9LCW9 UniRef90_R2NTZ5	E M S L Y G D N A A A L S G N H	PEDVYE	N L I D A V H E S E T L T L V V N Q Y O N L I A T I H E F N L I S T I H D S	L P L L Q R Y M K L L P L L H R Y V E L	_
UniRef90_UPI00047E0D7C UniRef90_W2E900	EMSLFGDN EMSLHADN		D N L I A T I H E F T N L I S <u>T</u> I H D S	L P L M H R Y M E L L P V L H R Y F K L	_
UniRef90_R2TGS4	EAALSNNH	PESVY)) / / N (.)	ILIPIL LIH KYIVISIL	_ R K R L L K
UniRef90_R6LK21 UniRef90_C0D4J9	QHSLAENE	V	QLIESVHQN ONLVAAVRKN NNLIKVVNEH	L D K M H R Y V R L L P L L H R Y V K \	/ R K E T L G
UniRef90_F4FSV3 UniRef90_U5S7Y6		PESIVIYI		L D L L H R Y V A L L P L L H R Y V A L	R K K I L G R K E L L N
UniRef90_C5EGA0	QYYLAGNE	P E L V Y I	NLVRÄVRDN NLIKEVHNY TLIREVDSH	L P K L H R Y A G N L P V V H R Y I K L	V R K K L L G L R K K V L G
UniRef90_R6EQ63 UniRef90_Q5FIA0	E A A L A E N N I	VIPTKIVIY [DTLIREVDSH	L P V V H R Y I K L L D L L H R Y V A L	_ R K K <mark>L _</mark> L G
UniRef90_G2SWP8 UniRef90_D9SSU9	ESALAPNNI	V P V K V Y F P V S V Y E	RNLVETVNAN DNTIEAINKN	MUKMHRYIVIKIL	_
UniRef90_E6UDH3 UniRef90_T0IJX5	E G S L S S N E I	V P V E V Y I	H N L I K A V H D N N L L T T V N N N	N Y <u>M</u> Y D Y V A L	RKKLLG
UniRef90_C8W843	EAALAENE	P V E V Y I	N N L I D A V <mark>H</mark> Q N	F P A F Y K Y V D L	_ R K R V M G
UniRef90_I9L021 UniRef90_UPI00036FAA9F	T A A L A A N Q I E M Y L Y G D N I	PKEVY	D	L P L M H R Y M K L	_
UniRef90_UPI000219707A UniRef90_UPI00047A2680	E M A M S E N E E S S L M P N D	PEVVY F	R T L	L P L L H R Y V A L	R K K I L N K K K L L N
UniRef90_R9BV97	ESSLSPND	PVEVY	(N S I K T I N E N	IL K S L H K Y V S L	_ K K K L L G
UniRef90_R6PZN5 UniRef90_R6WFR5	EQALFANE	/	DNLIETVHAN ENLIDSVNRH	IL IP A IL IH K Y M A IL	_
UniRef90_R9BYY3 UniRef90_UPI00037998B5	HAALAGNN HQALSNNF	PEQVYE	NLVETINKN NLVKT <u>V</u> ND <mark>H</mark>	L P L L H R Y V K L L Y L M H R Y V E L	_
UniRef90_D4M7P1 UniRef90_B1BAT4	ESSIEDND	V P R S V Y E	ENVVDTAAR <mark>C</mark>	A P L M H R L V A L	RKRALK
UniRef90_UPI00035D01D7	ESALFEEN	PSSVY	NLLNAVKEN	L D S L H R Y V K I I T P L V E Y L Q L	RKQVLG
UniRef90_S2ZT97 UniRef90_S4ZSV8	AYSLDKNE AAAMASNH	PESVY)	L P L L H R Y V A L	_
UniRef90_A5Z991 UniRef90_W4QQI0	A M Y L D E S N E K S L F S D M	PEEVY	ONLIE <mark>VV</mark> HEH	MDL MHRYVSL	RKKALG RKQLLG
UniRef90_E3BU93	EKSLFSDM EASLNENG	YVVV	T L L A E V N K H	INLLHRYVAL	RKKLLK
UniRef90_UPI0002D2B12B UniRef90_E0S147	E A A L F P D N E A A V N S N D	/ S P K V <mark>C</mark> [D S L F E S I H D N	MDKMHRYVTL	_
UniRef90_E8SEM5 UniRef90_D3FSR9	A Q A L G N N H	PEAVYI	D N	L P L L H R Y T K L L A P Y H R Y Q K I	RKELLG RKEMLG
UniRef90_F2JN74 UniRef90_E3DS05	H S A L S E N N	PVTVY	HELIHTVNNN	LSIMHDYVTL	RKEELG
UniRef90_E3D305 UniRef90_A0A037Z273	ESSLKPNN	PEVY	NKT ETINNN	LSSLHRYVNL	KKKLLK
UniRef90_M7EII2 UniRef90_M5RU08	QAAMEANH QAALFPDN	/	NLIGAVRES	LPUVHHYLD\	IRQE <u>II L</u> G /RRR <u>KM</u> G
UniRef90_UPI000364A338 UniRef90_K1LV49	E A A L D N N N N O A A I F F N N	P A S V Y T	T N V I D T I <mark>H</mark> K N D T L F A V H S R	I D P A F H R R Y Y V A A L L L L L L L L L L L L L L L L L	K K K V L Q
UniRef90_UPI00036B0D45	DAALSKNF	V P E Ă V Y I	T L V S A V N K H	L P L L H R Y K K	RKQLLG
UniRef90_F6B8C9 UniRef90_D8MGY5	E A A I L P H N	V P T T V F I	T L S Q T V T A N	L P L L H R F V S L	RKRLLG
UniRef90_I8AKX3 UniRef90_K6DX70	EKSLFADN EKALFGDK	V S L S V Y E V P K E V Y F	NLIETTKAN NLIQTTRNN	I E P M H R Y N Q I I A P L H Q Y T R I	R K E R L N R K E K L N
UniRef90_M1VLE8 UniRef90_U1WY95	EAALTPNA	PTKVY	NLLDTIRKH	LHHHHRYVAL	RRRLLG
UniRef90_B1QXD4	DASLKPNN	PLEVY	K N A V K V M N D N	I E S L H R Y V S I	KKKLLG
UniRef90_D2RPS7 UniRef90_E0E3C6	E A A L D G P N I F A S L Y A D N I	V V D V Y I N Y V D U S)		_
UniRef90_Q53778 UniRef90_M0H7R0	QSALSANF	PEEVY	T L I K T V N H H	LPLLHRYMKL	RQKVLG
UniRef90_Q67LM6	H ML L A P H R	ĎĦĠVŸ	NL LDVIQSE	L P H M R R Y A R L	RKRVLG
UniRef90_S5ZZB5 UniRef90_B9L544	AAALHPDN	V P V S V Y L P L E V Y T	TLIDLVHKN	RHLLQRYLAN	Z I K K N L N V R K R V L S
UniRef90_K0NZJ3 UniRef90_H9UI73	VAALDENA ASRIFADD	PVSVY E	EQLVGTVHQH OTLIFOVHOA	LDL L HRYVDL FPALHRYYRI	RARLLG RAFRIG
UniRef90_M0D2M5	EAALDGPN		D T L V D T V D D N	L D V L Q R H A D L	KRQSIG
UniRef90_D3QZU0 UniRef90_M1XNA0	A A A L D G P N			L D V L H R H A E L	VIKKNK L E KRDA L E
UniRef90_G1Y2D2 UniRef90_UPI000365A11E	A A S L S N N D	PEGVY F	RTLVAEĀNKG NNILDIIOFF	L P T L H R Y F K L L P H M R K Y A A II	RQRMLN KKRVIO
UniRef90_D7GTZ8	AMYLAGNE	PEKVY	DNL I ESVHNA	L P L M H R Y M K F	R K S Y M N
UniRef90_UPI000473F41F	EKA L FSDN	V P K E V Y E	: NILIIQITKAH	II IQPILIY DYMDII	IR K K E II IG

QUERY	340 A P P L V K D S S S S S S S S S S S S S S S S S S	360 F
UniRef90_UPI000429BE44 UniRef90_UPI00047929C4 UniRef90_J8TVQ5	DEL HMYDLYTPLVKDVKMEVTYEEAKKLILEGLAPLGEE DEVHMYDLYTPLIKDVKMEVTYEEAKDYILKGLEPLGEE VDELHMYDLYTPLVKDVKMDIPYEEAKELVLKGVAPLGEE	Ē D D
UniRef90_UPI0003F97038 UniRef90_D3FV19 UniRef90_UPI0003655AC7	_ D	E E E
UniRef90_V6MDL0 UniRef90_W9AJ25 UniRef90_W7CV34 UniRef90_Q67RH1	V D E L	E E F
UniRef90_A5USQ7 UniRef90_A1HS44 UniRef90_F4A138	_ D E L	Ē E E
UniRef90_W0EB20 UniRef90_UPI0003813775 UniRef90_UPI00047C44CB	V D E L H M Y D L Y V P L V P D I K V K V S Y E E A I D K V L E G L R P L G Q E L D E L H M Y D I Y V P I V P E V K M E I P Y P E A L K M V R E G L K P L G E I L D E L H M Y D L Y T P L V A E G K F D V N Y D E A K A L L L R G L K P L G E E L D E L H M Y D L Y T P I V A D V D V K M D Y G D A V D V V S K A I A P L G D E	□ E E
UniRef90_W8YQI4 UniRef90_UPI00028913BF UniRef90_R3WA27	_ D E L H M Y D L Y T P I V A D V D V K M D Y G D A V D V V S K A I A P L G D E V D E L H M Y D L F A P L V D E F D M K I T F D E A K K I T A E S L K P L G E E V D E L H M W D I Y T P L V K E A K F E L E Y D E A A K M M V D A L S I M G E E V D E L H M Y D L Y T P V L G E A P I K F T Y D Q A R E K A L E A L Q P L G P E	D E E
UniRef90_S1R7E2 UniRef90_H3NFV6 UniRef90_D6TI17 UniRef90_R9LCW9	DEMHMYDVYTPLLGESSLKYTYEEATKEAFKALEPMGEE DELHMYDLYPPITGDDSLEYSFEEAKEATYKGLSVLGDE DEMHMYDLYVPIVEEQQDKLTYQEASDIIVEALSPLGKE VDELHMYDLFAPLVEEYKWEIPYEEAKKIVAEGLQPLGEE EELHMYDLYTPLLAEAPVKFTYEEAQAKALEALKPLGEE	E R F
UniRef90_R2NTZ5 UniRef90_UPI00047E0D7C UniRef90_W2E900	L EEL HMYDLYTPLLAEAPÜKFTYEEAQAKALEALKPLGEE LDELHMYDLFVPLVDEYDLKISYEEAKQRVYDSLAPLGDI VDELHMYDLFAPLVEEFK <u>M</u> DLTYKQAQEK <u>L</u> IEALRPLGGF	Ē D K
UniRef90_R2TGS4 UniRef90_R6LK21 UniRef90_C0D4J9	V D E L H M Y D L F A P L V E E F K M D L T Y K Q A Q E K L T E A L R P L G G A L D E L H M Y D M Y T P L L G E A S L K Y T Y E E A K E K A L T A L N P M G E E V D E L H M Y D L Y T P L V A E A D A H L E F A D A K K T V L E A L S <mark>C M</mark> G E I L N D L H M Y D L Y V P M V A E F D R T Y T Y E E A K A L V T E G L A P L G E E	Ē D E
UniRef90_F4FSV3 UniRef90_U5S7Y6 UniRef90_C5EGA0	_	D E E
UniRef90_R6EQ63 UniRef90_Q5FIA0 UniRef90_G2SWP8 UniRef90_D9SSU9	V D H L R M Y D V Y V P L V A A P K K K I S F E E A V E I M A E G L A P L G S E L K D L Q M W D M Y V P L T G K P A L S Y N F E E A K E V A K K A L A P L G E I V D E L H M Y D V Y T P M I A D A A K K V S Y D E A K E T V L K A L A P L G E I L D E I H M Y D L Y V P V I D T P K E H I E F K E A V T I A N E A L K P L G D E	= D D F
UniRef90_E6UDH3 UniRef90_T0IJX5 UniRef90_C8W843	V D E L H F Y D L Y T P I V S D F T M K V T F E E A K E T V L K A L A P M G E I L D T I H M Y D L Y T P L A Q E V K F N L T Y P E S L Q L V R D G L A P L G P E L D E L H F W D V Y T P L V D D V D M K F T Y E E A C D L I V K A L A P M G E E	D E E
UniRef90_I9L021 UniRef90_UPI00036FAA9F UniRef90_UPI000219707A	V D Q L H M Y D M Y T P L A E K P A II K Y T Y Q Q A Q T T A L Q A L K I L G P I V D E L H M Y D L F A P V V D E F D M N I T F D E A K A T V K E S L K P L G E F V P E L H M Y D M Y V P L S G K P S L K Y T F D Q A K E E A L K A L S V Y G P I	D K D
UniRef90_UPI00047A2680 UniRef90_R9BV97 UniRef90_R6PZN5 UniRef90_R6WFR5	_ D E L H M Y D L Y V P I V D V P K E H I E F E D A V K I V K E G L K P L G E I L D E M H M Y D L Y V P V I E I P K E H I E F N D G V N M V L E G L K P L G E E L D E V H M Y D L Y A P L V D D V D A K I T F E E A K E T V E K A L A V M G K E V D E L H M Y D L Y T P I V A D F D C K Y S F E E A K E L C R K A L K P M G K I	D E D
UniRef90_R9BYY3 UniRef90_UPI00037998B5 UniRef90_D4M7P1	V D K L H M Y D L Y T P L V K D V K M E L P Y E E A K D L V T K G L A P L G E E L E S L K M Y D V Y M P M V K N A D F D M S Y E E A K D W M L R A L E P M G E E L D R L H Y Y D L N V P I A E E P R E D I P Y E R A C R M V A E A L A P L G E I	E E D
UniRef90_B1BAT4 UniRef90_UPI00035D01D7 UniRef90_S2ZT97	_	E E K
UniRef90_S4ZSV8 UniRef90_A5Z991 UniRef90_W4QQI0	V D Q L H M Y D I Y T P L T G Q P P L T Y K L E Q A K A E A L K A L A P L G D I V D Q L H M Y D V Y A P I V E T P D K K I P F E K A K E M V K A G L A P M G K I L S E L R Q Y D L N V P L V Q D V K E E L L F D E A Y E T M L K S L S P L G E E	D D E
UniRef90_E3BU93 UniRef90_UPI0002D2B12B UniRef90_E0S147 UniRef90_E8SEM5	N D L Q M Y D M Y V P L T G Q P S D H Y D I N K A K E A L E A L K P L G E I P D I H F Y D T Y A P L I P D V S G H Q P W D S A V D V V E S L K P L G S S V D E L H M Y D V Y V P M L A D Y D M K V T Y D E A K E L S L K A L A P L G E I V D D L K M Y D M Y T P M V K D I K F E M P Y D E A V E W M L K G L E P M G E E	D E
UniRef90_D3FSR9 UniRef90_F2JN74 UniRef90_E3DS05	V D E L R Q Y D L S I P L V K G V D K D I P Y N E A Y D L M L K A L A P L G E E L D T L H M Y D L F V P M I K D F E K E L S Y E E S <mark>C</mark> D I L L K A L A P L G E E L D E L H L Y D T Y T P L I K E L E L K F E Y D K T K E I I K K A V A P L G E E	Ē D D
UniRef90_A0A037Z273 UniRef90_M7EII2 UniRef90_M5RU08	DEMHMYDLYVPIVSTPNVHIEFNEAIKIVENVLNPLGPE DDLKMYDVYTPLSKL DMTYTYEDAKGKALEVLSVFGLI DQIHHYDTYVPILSGVKKHHTWDQAVNVILESLAPLGSE	E D E
UniRef90_UPI000364A338 UniRef90_K1LV49 UniRef90_UPI00036B0D45 UniRef90_F6B8C9	_ D Q H M Y D L Y T P V P E L K T V F P Y E D G L S L V D S L Q P L G Q T V D D L E M Y D M Y T P L L G E A P [K V T Y D E A K A L V L E A V K P M G E I D D L K M Y D M Y T P L S S T D Y K F S Y E E A L D K A A E T L T [F G D I L P E L R M Y D L Y V P L V T E L D K K Y S Y E E A V D [V L K G L A K L G D O	I D D
UniRef90_D8MGY5 UniRef90_I8AKX3 UniRef90_K6DX70	V T D V H S Y D L Y V P L V D E V D F D V T Y E K A Q E L V L A A L A P L G Q I V D E L R Q Y D L S A P L V S G V K L E L P Y D E A Y E T M L L A L R P L G D I L D E L R Q Y D M S V P L V S G V K Q V L S Y E E A Y E T M C K A L A P L G E I	D D D
UniRef90_M1VLE8 UniRef90_U1WY95 UniRef90_B1QXD4	V D R I H M Y D M Y A P L I P D V D L A M P Y E D A V K S V L A S L A P L G D E V K E L H M Y D M Y T P N T E V S Q A Y I P Y E E A K N M V L E G L K P M G D Q L E E I H M Y D L Y V P V I E T P K E K V E F N D G V N L V L D A L K P L G E E	E G E
UniRef90_D2RPS7 UniRef90_E0E3C6 UniRef90_Q53778	V D K L H M Y D L Y T P L V K D W K M E P Y E E A K D W L R A L E P M G E E L E S L K M Y D V Y M P M V K N A D F D M S Y E E A K D W M L R A L E P M G E E L D R L H Y Y D L N V P I A E E P R E D I P Y E R A C R M V A E A L A P L G E E L D E I H M Y D L L V P L I D T P K E H L E F S K A V S M V N E A L A P L G E E L D E I H M Y D L L V P L I D T P K G R R R K Y E E A C V K D I S S A L A P L G E E L D E L H Y W D I Y A P L V A D V D M K F T Y E E A C V K D I S S A L A P L G E E L D E L H Y W D I Y A P L V A D V D M K F T Y E E A C C D L I V K A A L A P L G E E L D E L H Y W D I Y A P L V A P L V B T P D K K I P F E K A K E A L K A L A P L G E E L D E L R Q Y D L N V P L V G Q P P L T Y K L E Q A K A E A L K A L A P L G E E L S E L R Q Y D L N V P L V G Q P S D H Y D I N K A K E I A L E A L K P L G E E L D D L H M Y D V Y A P I V A P I V B T P D V S G H Q P W D S A V D V V I E S L K P L G E E L D D L H M Y D V Y Y P M I A D V D M K W Y T Y D E A K E W M L K G L E P M G E E L D D L H M Y D L Y Y P M I K G D V D K D I D Y D M K A K E W M L K G L E P M G E E L D D L K M Y D M Y T P M V K G V D K D I D Y Y N E A Y D L M L K A L A P L G E E L D D L K M Y D M Y T P L S K L V E E D A K G L A P L G E E L D D L K M Y D M Y T P L S K L V E E D A K G L A P L G E E L D D L K M Y D M Y T P L S K L V E E A V E T M L K G L A P L G E E L D D L K M Y D M Y T P L S K L V E E A V E T M L K G L A P L G E E L D D L K M Y D M Y T P L S K L V E P Y D E A K E T M L L A A L A P L G E E L D D L K M Y D M Y T P L S K L V E P Y D E A K E T M L L A A L A P L G E E L D D L K M Y D M Y T P L S K L V E P Y D E A K E T M L L A A L A P L G E E L D D L K M Y D M Y T P L S S T D Y K F S Y E E A L D K A A E T L T F F G D E L D D L K M Y D M Y T P L S S T D Y K F S Y E E A V D L V L S V E P M G D E L D D L K M Y D M Y T P L S S C V K K M H H T W D Q A V N V I L E S L A P L G D E L D D L K M Y D M Y T P L S S C V K K M P Y E E A A V E T M L L A L A P L G E E L D D L K M Y D M Y T P L S S C V K S Y E E A Q D L V L S V L S V L S V E L D D L C M M Y D L	D D
UniRef90_M0H7R0 UniRef90_Q67LM6 UniRef90_S5ZZB5 UniRef90_B9L544	A D E L Q M W D L Y V S L T G D H G P E I P Y E Q A K E Y I I E A V E P L G E E L D E M R Y <mark>C</mark> D I E A P L D P G Y N P Q V T R E E A A N L I L D A L S V L G P E V K E L R H Y D V Y I P L V S E A K K I T P Y N E A V D I I T E A L Q P L G E E L E R L R T Y D L Y V P L V E R A D H R Y T Y A E A R E L V L A A L R P L G S E	E E
UniRef90_K0NZJ3 UniRef90_H9UI73 UniRef90_M0D2M5	DEFGMWDMYVQLTGTPSLSYSFADAKKEARAALAPLGPI LAKLRLYDVKVPLVPDVTLHHSYEEAVDLLQHALQPLGQI AEDLQMWDLYVPMVEGESPDVEYDQAREWVTGAVEPLGEI	D D E_
UniRef90_D3QZU0 UniRef90_M1XNA0 UniRef90_G1Y2D2	_ S	I A D
UniRef90_UPI000365A11E UniRef90_D7GTZ8 UniRef90_UPI000473F41F	DEMTFADLKAPLDPEFSPGISFHEAGDLIKEALSILGPE VSELHMYDLYVPLTEDYEKTYTYKEAQELILKALKPLGEE SELRQYDLSVPLVKNHKLTIPYDKAYETMLESLYPLGEE	E

QUERY	YASILK	370 E C	380	390 R N G A Y S S G A	400 Y G T N P Y I L M
UniRef90_UPI000429I UniRef90_UPI0004792	BE44 Y V N I L K	E G Y E K R WI	DVHENAGK DVHENKGK	R S G A Y S S G A R S G A Y S S G T	Y G T M P Y I L M Y G T N P Y I L M
UniRef90_J8TVQ5 UniRef90_UPI0003F9	Y V Q T L K	E G F E K R W V E G F K S R W I	DVFFNVGK	RSGAYSSGA	YGTMPYIIIM
UniRef90_D3FV19 UniRef90_UPI0003655	$Y V N \overline{V} L K$	EGFTKRWV	DVEETVGK DVYENKGK	R S G A Y S S G A R S G A Y S S G A R S G A Y S S G A	Y G T M P Y I L M Y G T N P Y V L M
UniRef90_V6MDL0 UniRef90_W9AJ25	Y G K V L E Y L N I V K	E G F T G G W I E G Y E N R W I	IDIVIHENEGK	ISGAYSWGA	Y I I H P F V L M Y G T N P Y I I I
UniRef90_W7CV34 UniRef90_Q67RH1	Y <mark>C</mark> E <u>I A</u> R	EAFESRWI RMTVDRWV	IDII IY F N F G K	R S G A Y S S G A	YSTSPYILM YTTKPYILM
UniRef90_A5USQ7 UniRef90_A1HS44	Y <u>S</u> EILN	QAFRSRWI KGLTSGWI	DVYENLGK DVYENQGK	R S G A Y S D G S Q T G A Y S W G T	YTTAPFMLL YGVHPFVLL
UniRef90_F4A138 UniRef90_W0EB20	Y I S L L E Y L K I L N	H G F K N G WI E G F D S H WV	DAYFNOGK	T S G A Y S W G C T S G A Y S W G T R S G A Y S S G A	YGIVIHPFIVIII
UniRef90_UPI0003813 UniRef90_UPI00047C	44CB YQRLAN	EGMKSGWV	IDIVIY E T K G K	TSGAYSWGA	Y GIVI <mark>H P</mark> Y II L L I
UniRef90_W8YQI4 UniRef90_UPI0002897 UniRef90_R3WA27	3BF YTA IL N		D V Y E N E G K D V V E N K G K D V V E N K G K	R S G A Y S W G A R S G A Y S S G T R S G A Y S S G A	Y G T H P Y V L L Y G T N P Y I L M Y D T L P Y I L M
UniRef90_K3WA27 UniRef90_S1R7E2 UniRef90_H3NFV6	YLAVVK		DVVENKGK DVVENKGK	R S G A Y S S G C R S G A Y S S G M	Y D T L P Y I L M Y D T N P Y I L L Y D T N P F I L L
UniRef90_D6TI17 UniRef90 R9LCW9	YISALK	K G L S E R WI E G F E N R WI	IDIVIY E T P G K	RSGAYSGGS	Y S T N P F II L L I
UniRef90_R2NTZ5 UniRef90_UPI00047E	Y L E V V K	K A F D E R WI E G Y D N G WI	IDIVIYENEGK	RTGAYSWGA RSGAYSSGA RSGAYSWGA	YGTHPYVIII
UniRef90_W2E900 UniRef90_R2TGS4	Y I D I L K Y L N V V K	E G F E N R WI T A F N D R WI	DVHENKNK DVIENQGK	R S G A Y S W G A R S G A Y S S G A	YGTHPYVLL YDTVPYILM
UniRef90_R6LK21 UniRef90_C0D4J9	Y C K V L K Y G K L L R	EGFENRWV	IDIVIY E NIVIG K	RSGAYSAGS RSGAYSWGV	P IVIH P YIV L LI
UniRef90_F4FSV3 UniRef90_U5S7Y6	Y V S H V K Y L S V L K	KAFNNRWI	IDIVIMENEGK	RSGAYSSGA	YFTNPYILLI
UniRef90_C5EGA0 UniRef90_R6EQ63	Y L S I L Q Y I R Q V R Y L K H V D	EGFDSRWI RGIESGWV YIFNNRVI	D V Y E N E G K D V Y E N Q G K D V V E S K N K	RSGAYSWGT TSGAYSFGA VTGAYSGGA	Y G S H P Y V L L Y D S M P Y I L L Y D T D P Y E L L
UniRef90_Q5FIA0 UniRef90_G2SWP8 UniRef90_D9SSU9	Y V A T V K		DVYENEGK DIYPNEGK	RSGAYSAGA RSGAYSWG <mark>C</mark>	Y D T D P Y <u>E</u> L L F G T H P Y V L L Y D T M P Y V L L
UniRef90_E6UDH3 UniRef90 T0IJX5	YLAILK	EGFENRWI KGLASGWI	DVYENENK	ASGAYSAGA QTGAYSWGV	R V H P F V M L Y G V H P F V L L
UniRef90_C8W843 UniRef90_I9L021		KGLESRWV	DVYETPGK DVVENQGK	R S G A Y S A G G R S G A Y S S G M	K G M N P V M L L Y D T A P Y M L L
UniRef90_UPI00036Fa UniRef90_UPI0002197	AA9F Y L E A L Q 707A Y L Q <u>H</u> V K	E G F N N G WI E E <u>F</u> N N R WI	DVYENEGK DVVENKGK	R T G A Y S W G A R T G A Y S S G M	Y G T H P Y V L L Y D T N P F V L L
UniRef90_UPI00047A	Y L N I F K	E G I D N G W V N G V E N G W I	IDIVIFENKGK	R G G A Y S S G C R G G A Y S W G G R S G A Y S W G S	YDTMPYIVLLI
UniRef90_R6PZN5 UniRef90_R6WFR5	Y L A A L D	Y G M N A G WI E G F S N R WI E G F E N R W	IDIVIYENEGK	RGGAYSMGA	K P H P F V L <u>L</u>
UniRef90_R9BYY3 UniRef90_UPI0003799 UniRef90_D4M7P1	Y A S I L K 98B5 Y V N I I K Y V A N F K	EGLQNRWV	D	R S G A Y S S G A R S G A F S S G T R K G A Y S W G S	Y G T N P F I L M
UniRef90_B1BAT4 UniRef90_UPI00035D	YLNIFN O1D7 YTQTLE	E GI K N R WI	DI YENKGK	R K G A Y S W G T R S G A F S W G C R S G A Y S A G G	YDTMPYVLL YR <mark>C</mark> PPYILM
UniRef90_S2ZT97 UniRef90_S4ZSV8	YILIE HIVIR	EII IF D N R Y II	IDIV VIENKGK	RSGAYSGGA	YDINPFILLI
UniRef90_A5Z991 UniRef90_W4QQI0	YINKLQ	E G F D N R WI	DIYENEGK	R S G A Y S W G A	Y G I H P Y V L L
UniRef90_E3BU93 UniRef90_UPI0002D2	Y L K V V K B12B Y V D A L V	H	_ D <u> V </u>	ATGAYSGGS HSGAFSSG <mark>C</mark>	Y D T D P Y II L L I Y D S E P Y II L M
UniRef90_E0S147 UniRef90_E8SEM5	Y L D V V K Y L N V I K Y V E T L A	E A Y E N R WI E G L N N R W V	DVVENEGK DVYENKGK	R G G A Y S S G V R S G A Y S S G S	Y NIVIH P Y MIL L H K T N P F II L L
UniRef90_D3FSR9 UniRef90_F2JN74 UniRef90_E3DS05	YVETLA YLAIVK YVETVE	E F K D K R Y I E A L D N R W I S G F N S G W I	D K Y E N E G K D V Y E N K G K	R S G A Y N M G L R S G A Y S W G S	Y G P H P Y I L L Y G V H P Y I L M
UniRef90_A0A037Z27 UniRef90_M7EII2	3 YLSTFR	EGIENGWI	DI FENRGK	RSGAYSSG <mark>C</mark> RGGAYSSGS RSGAYSGGS	Y D T M P Y I L L Y D T K A F I I I
UniRef90_M5RU08 UniRef90_UPI000364	7338 AII IK DII I	IN GIV IN N G WIL	IDILIYENOGK	RNGAYSWGIV	Y D T K A F I L L F D G D P Y I L M Y G L H P F V L L Y D S K A Y L L M
UniRef90_K1LV49 UniRef90_UPI00036B	YVALIE DD45 YSQKVK	E A F R D R WI R A F S E R WI	D L Y E N I G K D V H E N E G K	RSGAYSSGS RSGAYSGGS TSGAYSTGA RSGAYSTGA	Y D S K A Y L L M Y D T N A F M L L
UniRef90_F6B8C9 UniRef90_D8MGY5	YISDLK YLELVK	Q G L A G G W V K A F D E R W I	DVYETPGK DVVENKGK	T S G A Y S T G A R S G A Y S S G T	Y G Y H P Y I L L Y D T N P F I L L
UniRef90_I8AKX3 UniRef90_K6DX70 UniRef90_M1VLE8	ŸŴĠĹĹĸ	EFKDARYI	DVRETPGK	R S G A Y N L G V R S G A Y N L G V R S G A Y S S G C	Y G V H P F I L L
UniRef90_W1VLE6 UniRef90_U1WY95 UniRef90_B1QXD4	Y S K T L E	E A F K N G WI S G I N D G WI	DVYATEDK	R S G A Y Q S G A R G G A Y S W G G	YDTHPYVLL
UniRef90_D2RPS7 UniRef90_E0E3C6	Y Q S R V A Y V T L I K	EGLESRWV RAFDEKWI	DVYENEGK DVYENEGK	Q A G A Y S G G T R G G A Y S W G S	YDTQPF L M YDSHPY L M
UniRef90_Q53778 UniRef90_M0H7R0	Y S E R V H	RAFTERWI	DVHVNKGK	RSGAYSGGS	Y D T N A F M L L
UniRef90_Q67LM6 UniRef90_S5ZZB5	Y R A I I E Y V K T I R	RAFNERWI NGLLNGWV	D WA D N V G K D K Y E N E G K	QAGAFCTSP RSGAFSAGG	Y G A H S Y I L L Y D G D P Y I L M Y G V H P Y I L L Y D T D A Y E L L Y H G D P Y I L M
UniRef90_B9L544 UniRef90_K0NZJ3	Y I E P L Q Y L R H L D	QGLASRWV YLFNNRVI	DVHETVGK	RSGGYSLGV QGGAYSGGS	Y G V H P Y L L L Y D T D A Y E L L
UniRef90_H9UI73 UniRef90_M0D2M5	Y LJ E VVII IA			13 3 13 A Y 3 13 13 1	
UniRef90_D3QZU0 UniRef90_M1XNA0 UniRef90_G1Y2D2	Y I S R L K Y R D R M A Y Q K A L A	E G L E S R W V	DVYETANK LHAYPOFGK	RSGAYSSG <mark>C</mark> QSGAYSGGT QSGAYQTGV	YDSQPYILL YGUHPWVFI
UniRef90_G112D2 UniRef90_UPI000365/ UniRef90_D7GTZ8	A11F YGFII VIS	DAFKNRW	DYADNAGK	RTGAFCMSI	PGVHSYLLL
UniRef90_UPI000473I	41F YVNTLK	SFKEKRY	DVRETPGK	R S G A Y S N S A R S G A Y N L G L	ΊΥ ĞİV <mark>H</mark> P F İV L L

	410 420 430 440
QUERY UniRef90 UPI000429BE44	N WHNNVNNLFTLVHEFGHSVHSYYTRKHQPYPYGNYSIFV
UniRef90_UPI00047929C4 UniRef90_J8TVQ5	N WQ D N V N N L F T L A H E F G H S V H S Y Y T R K S Q P Y P Y G N Y S I F V N WQ D N V S N L F T L A H E F G H S L H S Y Y T R A H Q P Y V Y G N Y T I F V N WQ D N V N N M F T L A H E L G H S M H S F F S R R E Q Q V R Y S D Y T I F V
UniRef90_UPI0003F97038	N WQ D NV N N M F T L A H E L G H S M H S F F S R R E Q Q V R Y S D Y T I F V
UniRef90_D3FV19 UniRef90_UPI0003655AC7	N WQ D N I D N L F T L A H E F G H S M H S Y Y T R K H Q P Y V Y G D Y T I F V N W H D N V N N L F T L A H E F G H S V H S Y Y T R K T Q P Y V Y G D Y S I F V
UniRef90_V6MDL0 UniRef90_W9AJ25	NYQDNIVINNMETILIAHEMGHAILIHSYYSNKNQPYTYADYKILIFIVI
UniRef90_W7CV34 UniRef90_Q67RH1	N WODTII D N V F T L A H E L G H S V H S Y Y T R E N O P F V Y G D Y P I F L
UniRef90_A5USQ7	N Y Q E R L N D V F T L A
UniRef90_A1HS44 UniRef90_F4A138	NEOGILLODILE LILAHEMGHSILHILHYSESAOPYILIYAEYRILEIVI
UniRef90_W0EB20 UniRef90_UPI0003813775	NHQDTLDSMFTI AHEMGHSLHTYLSNQTQPHLYAGYKI FV NWQDNVNNLFTLAHEFGHSLHSYYTRANQPYI YGDYSI FV
UniRef90_UPI00047C44CB UniRef90_W8YQI4	NYQGRFDDVFTILIAHEILIGHAMHTYYSNTHQPHVYSGYTII FV
UniRef90_UPI00028913BF UniRef90_R3WA27	N W Q K N L D N L F T L V H E F G H S V H S Y F T R K N Q P F V Y G D Y S I F V N W H D A L D Q L Y T L V H E M G H S V H S Y F T R N N Q P Y V Y G D Y S I F L
UniRef90_S1R7E2 UniRef90_H3NFV6	N WQ K NL D NL F T L V H E F G H S V H S Y F T R K N Q P F V Y G D Y S I F V N WH D A L D Q L Y T L V H E M G H S V H S Y F T R K N Q P Y V Y G D Y S I F L N WH D T L D Q L F T L V H E M G H S V H S Y F T R K N Q P Y V Y G D Y S I F L N WH D S L N H L Y T L V H E L G H S A H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H L Y T L V H E L G H S A H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H L Y T L V H E L G H S A H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H L Y T L V H E L G H S A H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H L Y T L V H E L G H S A H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H L Y T L V H E L G H S A H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H L Y T L V H E L G H S A H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H L Y T L V H E L G H S A H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H L Y T L V H E L G H S A H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H L Y T L V H E L G H S A H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H L Y T L V H E L G H S A H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H L Y T L V H E L G H S A H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H L Y T L V H E L G H S A H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H L Y T L V H E L G H S A H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H S Y F T R N N Q P Y V Y G D Y S I F L N W H D S L N H S Y F T R N N Q P Y V Y G D Y S I F L N W H S Y F T R N N Q P Y V Y G D Y S I F L N W H S Y F T R N N Q P Y V Y G D Y S I F L N W H S Y F T R N N Q P Y V Y G D Y S I F L N W H S Y F T R N N Q P Y V Y G D Y S I F L N N Q P Y V Y G D Y S I F L N N Q P Y V Y G D Y S I F L N N Q P Y V Y G D Y S I F L N N Q P Y V Y G D Y S I F L N N Q P Y V Y G D Y S I F
UniRef90_D6TI17	N F O F N K D S M F I II A H F II G H S II H S Y F I K I N O F Y O Y G D Y I II F V
UniRef90_R9LCW9 UniRef90_R2NTZ5	N WHORLDELYTLVHEMGHSVHSYFTRHTQPYVYGDYSIFL
UniRef90_UPI00047E0D7C UniRef90_W2E900	NHKDNLNSMFTLAHEMGHALHSYYSDTTQEYRDAQYTIFL NHKDNLNSMFTLAHEMGHAMHSYLSDANQEYRNAQYTIFL
UniRef90_R2TGS4 UniRef90_R6LK21	N WH D S L D Q L Y T L V H E M G H S V H S Y F T R N N Q P Y V Y G D Y S I F L N Y T G T I D S Q F T I A H F M G H A I H S Y L S N K N Q P T V Y S D Y V I F V
UniRef90_C0D4J9 UniRef90_F4FSV3	N F H G T L N D V F T L A H E M G H S L H S Y Y S D A A Q P Y V Y A G Y K I F V N W K D N L D N L Y T L T H E T G H S M H S Y Y S H H N Q P Y Q Y G D Y S I F V
UniRef90_U5S7Y6 UniRef90_C5EGA0	NWHDSILINHILIYTIL VIHEILIGHSIVIHSYYTRTNQPYIVIYGDYSILIFILL
UniRef90_R6EQ63 UniRef90_Q5FIA0	NYTDTLKDVFTI VHEMGHSMHSYYTRNTQPYTYGDHSI FT
UniRef90_G2SWP8	N Y N D T L D N M F T L A H E M G H A M H S W Y S N A N Q P Y I Y S Q Y K I F V
UniRef90_D9SSU9 UniRef90_E6UDH3	NHKDTI DCMETI AHEMGHALHSYLSNKNOPVVYSDYVI EV
UniRef90_T0IJX5 UniRef90_C8W843	NYNDRLEDVSTLAHEMGHAI HSYYSQATQPYATSQYTI FT NFQGGLDDVYTLIHEMGHSLHTYFSSHNQELTYSDYSI FV
UniRef90_I9L021 UniRef90_UPI00036FAA9F	N W Q D N II ID N II IY T II V I H E M G H S M H S Y E T T H N Q P Y Q Y G D Y S II I F I V I
UniRef90_UPI000219707A UniRef90_UPI00047A2680	NHKDNLNSMFTLTHEMGHALHSYHSDNNLPYRDAQYTIFL NWQDNLDNLYTLVHETGHSMHSYYSSHNQPYQYGDYSIFV NYNYELNDVSTLAHEMGHSIHSHYSRENQPFIYSDYSLFC
UniRef90_R9BV97 UniRef90_R6PZN5	NYNYELHOVSTLAHEMGHSI HSYYSRKEQPYI YAGYTLF <mark>C</mark> NHNDTVNSMFTLAHEMGHALHSYFTWEKQPYLYSGH <u>K</u> I FV
UniRef90_R6WFR5	N H K D T II
UniRef90_R9BYY3 UniRef90_UPI00037998B5	N WH D S V D D L F T L T H E F G H S V H S Y Y S R K N Q T S N N A G Y S I F V
UniRef90_D4M7P1 UniRef90_B1BAT4	N Y N G T L N D V F T L A H E M G H S M H S W Y S H R N Q P Q V Y G D Y T I L L N Y N Y E L N D V S T L A H E M G H S L H S Y Y S R K E Q P Y L Y A N Y T L F C
UniRef90_UPI00035D01D7 UniRef90_S2ZT97	NYNYELNDVSTLAHEMGHSTHSYYSRKEQPYTYANYTLFC NYKDELDSVFTLAHEAGHSMHSYFSDKKQPFHYSHYTIFV NFQGTLDDVFTLTHEMGHSTHTYLSSHAQELTYSNYVLFV
UniRef90_S4ZSV8 UniRef90_A5Z991	N WH D A IV D E IL IH T IL V IH E T G H S IV IH S W Y T R H N Q P Y IV IY G D Y P II IF IV IN Y Q G T II D H V IE T II A H E M G H A II IH S Y Y S D S N Q S Y II IN A G Y K II IF IV
UniRef90_W4QQI0 UniRef90_E3BU93	NHQDDLDSLFTLVHECGHAMHSWYSSKHQPQISAGYSIFV NWEGNLDSLYTLVHETGHSVHSWYTNHSQKYLYSNYPIFV
UniRef90_UPI0002D2B12B	NYRDVPDHVFTLAHEAGHSMHSQFSKKTQPPQYANYTIIFV
UniRef90_E0S147 UniRef90_E8SEM5	N W S D I I V IS DIL IY I IL V I H E F G H S A H S Y F S K K N Q P S N M S G Y S II I F I V I
UniRef90_D3FSR9 UniRef90_F2JN74	NYSPNII NSILIETII IA HEMGHAII IHSYYSHHHOPHII IYGDY <mark>C</mark> II IEIVI
UniRef90_E3DS05 UniRef90_A0A037Z273	N Y T Q D S N L F T L S H E M G H A M H S Y Y A N Q N Q P Y L Y A D Y K F V N Y N Y K L N D V S T L A H E M G H S H S Y Y S K K Y Q P Y Y S N Y T L F C
UniRef90_M7EII2 UniRef90_M5RU08	N W Q D T L D N L Y T L V H E M G H S M H S T F T R E N Q P Y V Y G D Y S I F L N F K E E L N D V F T L T H E A G H S M H S W Y S A R S Q P F E Y Y N Y T I F V
UniRef90_UPI000364A338 UniRef90_K1LV49	NYDDSYNAVSTLAHELGHAMHSFYSSQKQDYLNSEYTIF <mark>C</mark> NWQDSUNHLYTLLHELGHSVHSHYAKNNQEYAYGGYPLFL
UniRef90_UPI00036B0D45 UniRef90_F6B8C9	N WQ D S I N H L Y T L I H E L G H S V H S H Y A K N N Q E Y A Y G G Y P I F L N WQ D T L D N L Y T L I H E T G H S M H S M Y T R E N Q P Y V Y G H Y P I F L N F N H T I N D V F T L A H E A G H A M H T F Y S H K N Q P Y R N A S Y T I F V N WQ N N L N N V Y T L A H E M G H S V H S Y L T R H N Q D Y H Y G D Y P I F L
UniRef90_D8MGY5	N WQN NL N NV Y TL A H E M G H S W H S Y L T R H N Q D Y H Y G D Y P I F L N H Q D D L D S L F T L A H E M G H A M H S Y Y S N K H Q P R I S A G Y S I F V
UniRef90_I8AKX3 UniRef90_K6DX70	NHQDDLDSLFTL VHE CGHGVHSRLSSAHQPQITARYSIFV
UniRef90_M1VLE8 UniRef90_U1WY95	NYDPNLNDAFTLAHELGHSMHSHFSRQHQPYHYADYSIFV NYQGTYNDVFTIAHELGHAMHTYYTNKTQPYMMSSYPIFT
UniRef90_B1QXD4 UniRef90_D2RPS7	N Y N N E ME D V S T L A H E M G H S T H S Y Y S R K E Q P Y Y Y A G Y T L F C N Y Q D D T S S M Y T L A H E L G H S M H S E L T K E E Q P F V Y S S Y E I F V
UniRef90_E0E3C6 UniRef90_Q53778	S Y N N D L N S M F T L T H E L G H S M H S Y L S H E S Q P Y I Y S S Y K I F V N W Q D T L D N L Y T L V H E T G H S L H S T F T R E N Q P Y V Y G D Y S I F L
UniRef90_M0H7R0 UniRef90_Q67LM6	NYODDAASMETI AHEUGHSMHSEUAQEAQPWHDADYEI IEV
UniRef90_S5ZZB5	T F T G H M R S A F T L A H E L G H A G H F E L A N R H Q R L L N V E P S L F F N Y K E D I R D V F T L I H E G G H S M H S W Y S T H N N P Y P C Y H Y T I F E N W N G T L R E V F T L A H E V G H A M H S Y F S S R A Q P H P T A E Y T I F V
UniRef90_B9L544 UniRef90_K0NZJ3	N W Q G D L D S L Y T L I H E S G H S V H S M Y T R E N Q P Y V Y G D Y P I F T
UniRef90_H9UI73 UniRef90_M0D2M5	NYDDVLRDVFTLAHEAGHSMHSYYSVRSNPFQHYQYTIFE NYQDDVASMYTLAHELGHSLHSEYTSEHQPYVYSGYEIFV
UniRef90_D3QZU0 UniRef90_M1XNA0	S W Q G T L S N L F T L A H E L G H S M H S Y L T W E N Q P Y P Y A N Y <mark>C</mark> I F L N Y H E D L A S M Y T L A H E L G H S M H S E L T S D E Q P Y V Y S G Y E I F V
UniRef90_G1Y2D2 UniRef90_UPI000365A11E	
UniRef90_D7GTZ8	S F D G T L N S V L T L A H E M G H S L H S WY S N A N Q S Y T Y A G Y K I F V
UniRef90_UPI000473F41F	N H Q D D L S S L F T L T H E M G H A M H S Y Y S N Q Y Q P Q T K A G Y S I F V

JURY		450 400 470	400
JAMESSO DIPOGOSSISSES A E VAS ST C IN SA TE LIN ST Y WILL ON THE DE K E K L Y L LIN ST Y LEGER GOT THE ST Y	QUERY	450 460 470 A E VIA S T T N E A L LIG E Y L LIN N LIE D E K Q R LIY I LIN H M LIE G F R	480 G T
JARSHON DESIGNATION OF STORM A STORM AS TO ME AS LIKE NO Y MILE KITTED BK OR BMY LIKE NO FIRE GROWN AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE NO Y LIKE GROWN AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE NO Y LIKE GROWN AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE NO Y LIKE GROWN AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE Y LIKE OF REGIST AND AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE Y LIKE OF REGIST AND AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE Y LIKE OF REGIST AND AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE Y LIKE OF REGIST AND AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE Y	UniRef90_UPI000429BE44	A FIVIA S T C N F A II I I N H Y MII I O K T F D K K F K II IYII I I N H Y II I F G F R	
JARSHON DESIGNATION OF STORM A STORM AS TO ME AS LIKE NO Y MILE KITTED BK OR BMY LIKE NO FIRE GROWN AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE NO Y LIKE GROWN AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE NO Y LIKE GROWN AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE NO Y LIKE GROWN AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE Y LIKE OF REGIST AND AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE Y LIKE OF REGIST AND AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE Y LIKE OF REGIST AND AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE Y LIKE OF REGIST AND AS TO ME AS LIKE NO Y MILE KITTED BK KERNEY LIKE Y		A E IVIA S TI UN E AIL LIN H Y IL LIN TI II D D E K K RIL IY IL LIN H F IL E G F R A E IVIA S TI I N E AIL I N D Y IL VIK N T D D E K K KIL IY IL IN H E IL E G F R	
JANKSBO WIGHTON A EV N A S T TO BE A L L N D Y L L K T T D D K K K K K K L Y L L N T V L E G F K G T J J J K K K K K K K K K K K K K K K K	UniRef90_UPI0003F97038	A E V A S T V N E S L L N D Y M L K T T E D K K Q R M Y L L N N F L E G F R	G T
JANSENSON VENDOLOGY A EV A S T IN E AL L. IN M H L. LE T T IN D K H C R M Y L. L. IN Y Y L. LE G F R G T I MARKED WYG/ZY A EV A S T T N E AL L. IN D Y M L. K Y T D D P R LIK M Y L. L. N H Y L. D G F R G T I MARKED WYG/ZY A EV A S T T N E AL L. IN D Y L. L. K S T D D P R LIK M Y L. L. N H Q L E S F R T T I MARKED WYG/ZY A EV A S T T N E AL L. IN D Y L. L. K S T D D P R LIK M Y L. L. N H Q L E S F R T T Y L M R M L L M D Y L L. K S T D D P R LIK M Y L. N H Q L E S F R T T Y L M R M L L M D Y L L. K S T D D P R LIK M Y L. N H Q L E S F R T T Y L M R M L L M D Y L L. K S T D D P R LIK M Y L L. N H Q L E S F R T T Y L M R M L L M D Y L L K S T D D P R LIK M Y L L. N H Q L E S F R T T Y L M R M L L M D Y L L K S T D D P R LIK M Y L L N H Y L L D G F R G T M R M L M M M L M L M M M L M L M M M L M L M M M M L M M M M L M M M M L M	UniRef90_D3FV19	A E IV A S T L N E S L L N D Y L V K T T T D K Q Q K L Y L L N H F L E G F R	
Jinglego, Wanayaya A E V A S T D N E A IL LIN D H IL LIK T T E D E K K K LIV LL NN F F L E G F R G T T MARRON, WANAYAYA A E V A S T LIN E A IL LIN D Y ML K S T D D P R LIK R Y LL LIN F F L E G F R G T T MARRON, ASUSOY A E V A S T LIN E A IL LIN D Y ML K S T D D P R LIK R Y LL LIV Y E Q L E D F R T T T JINGROD, ASUSOY A E V A S T LIN E A IL LIN D Y ML K S T D D P R LIK R Y LIV Y E Q L E D F R T T T JINGROD, ASUSOY A E V A S T LIN E A IL LIN D Y ML K S T D D P R LIK R Y LIV Y E Q L E D F R T T T JINGROD, ASUSOY A E V A S T LIN E A IL LIN D Y ML K S T D D P R LIK R Y LIV Y E Q L E D F R T T T JINGROD, ASUSOY A E V A S T LIN E A IL LIN D Y ML K T T D O R S MULLY I V LIV Y E Q L E D F R T T T JINGROD, ASUSOY A E V A S T LIN E A IL LIN D Y ML K T T D O R S MULLY I LIV Y LIN H Y L E Q F R G T JINGROD, ASUSOY A E V A S T LIN E A IL LIN D Y ML K T T D O R S MULLY I N H Y L E Q F R G T JINGROD, ASUSOY A E V A S T LIN E A IL LIN D Y ML K T T D O R S MULLY I N H Y L E Q F R G T JINGROD, ASUSOY A E V A S T LIN E A IL LIN D Y ML K T T D O R S MULLY I N H Y L E Q F R G T JINGROD, ASUSOY A E V A S T D N E A IL M M H H L L Q T T D P K K M R A Y L LIN H H H L E T F R G T JINGROD, ASUSOY A E V A S T D N E A IL M M H H L L Q T T D P K K M R A Y L L N H H J L L E T R G T JINGROD, ASUSOY A E V A S T D N E A IL M M H H L L L Q T T D P K K M R A Y L L N H H J L L E T R G T JINGROD, ASUSOY A E V A S T D N E A IL M M H H L L L Q T T D P K K M R A Y L L N H H J L L Q T T D P K K M R A Y L L N H H J L L Q T T D P K K M R A Y L L N H H J L L Q T T D P K K M R A Y L L N H H J L L Q T T D P K K M R A Y L L N H H J L L Q T T D P K K M R A Y L L N H H J L L Q T T D P K M R A Y L L N H H J L L Q T T D P K M R A Y L L N H H J L L Q T T D P K M R A Y L L N H H J L L Q T T D P K M R A Y L L N H H J L L Q T T D P K M R A Y L L N H H J L L Q T T D P K M R A Y L L N H H J L L Q T T D P K M R A Y L L N H H J L L Q T T D P K M R A Y L L N H H J L L Q T T D P K M R A Y L L N H H J L L Q T T D P K M R A Y L L N H H J L L Q T T D P K M R A Y L L N H H J L	UniRef90_V6MDL0	A E V A S T V N E A L L M N H L L E T T N D K H Q R M Y L I N Y Y L E Q F R	
JARREDO GERRET J JARREDO GERTE J JARREDO GERRET J JARREDO GERRE	UniRef90_W9AJ25	A EVAST <mark>C</mark> NEALLNDHLLKTTEDEKEKLYLLNHFLEGER	
JARKSON A 11844 A E W A S T I N E AL L WHE THE CONTROL OF THE CON		A E V A S T T N E N L L T D Y M L K K Y D D P K V K A Y L L N H Y L D G F K A E V A S T E N E A L L T D Y L L K S T D D P R L K M Y L L N H Q L E S E R	
JARRESO PARLES A E V A S T E NE S L N M A Y L L K T T E D E R S W T N L L N H Y L E D F R G T J JARRESO DIPLOMATICALE A E V A S T E NE S L N M A Y L L K T T E D E R S W T N A Y L L N H Y L E D F R G T J JARRESO DIPLOMATICALE A E V A S T E NE S L N M A Y L L K T T E D E R S W T N A Y L L N H Y L E D F R G T J JARRESO DIPLOMATICALE A E V A S T E N E S L L M M A Y L L K T T E D E R S W T N A Y L L N H Y L E D F R T T J JARRESO DIPLOMATICALE A E V A S T E N E S L L M M A Y L L K T T E D E R S W T N A Y L L N H Y L E D E R T T T J N H Y L L R T Y Y A D E R K T M Y Y A D E R K T T J Y A D E R K T M Y M Y M Y M Y M Y M Y M Y M Y M Y M	UniRef90_A5USQ7	A E V A S T L N E A L L T D H L L R T R D D P L R R Y L I V E Q L E D I R	ΤT
Junkes00_W8704 Visit Vi		A E V A S T I N E I L L I D H MIL K V I H D K R Q K L Y F L N Q Y L E A V R A E V A S T I N E A I I M D H MIL K T T D Q R S M K I Y I I N H Y I F Q F R	
JANSANSO J. 19000477-3448 A EV A S T T EN E A LL M B Y L L K T Y V B F K M R A Y L L N Y V E E T J F K R M R A Y L L N Y V E E T J F K R M R A Y L L N Y V E E T J F K R M R A Y L L N Y V E E T J F K R M R A Y L L N Y V E E T J F K R M R A Y L L N Y V E E T J F K R M R A Y L L N Y V E E T J F K R M R A Y L L N Y V E E T J F K R M R A Y L L N Y V E E T J F K R M R A Y L L N Y V E E T J F K R M R A Y L L N Y V E E T J F K R M R A Y L L N Y L L N Y V E E T J F K R M R A Y L L N Y L L N Y L L R T J K R M R A Y L L N Y L L N Y L L D G F K R A T J F K R M R A Y L L N Y L L N Y L L N Y L L N Y L L N Y L L N Y L L N Y L L N Y L L N Y L L N Y L L N Y L L N Y L L N Y L L N Y L L N Y L L N Y L L N Y L L N Y L L N Y L N Y L N Y L L D G F K R A T J F K R M R A Y L N Y L N Y L N Y L D G F K R A T J F K R M R A Y L N Y L N Y L N Y L D G F K R A T J F K R M R A Y L N Y L N Y L N Y L D G F K R A T J F K R M R A Y L N Y L N Y L N Y L D G F K R A T J F K R M R A Y L N Y L N Y L N Y L D G F K R A T J F K R M R A Y L N Y L N Y L N Y L D G F K R A T J F K R M R A Y L N Y L N Y L N Y L D G F K R A T J F K R M R A Y L N Y L N Y L N Y L D G F K R A T J F K R M R A Y L N Y L N Y L N Y L D G F K R A T J F K R M R A Y L N Y L N Y L N Y L D G F K R A T J F K R M R M R A Y L N Y L N Y L D G F K R A T J F K R M R M R M R M R M R M R M R M R M R	UniRef90_W0EB20	A E V A S T L N E A L V M E H L L K T T E D P K V L A Y L L N H Y L E Q F R	GΤ
JARREND VISOU0028913BF		A E V A S T C N E S L L N N Y L L K T T E D E K K R M Y L L N H F L E T F R A E V A S T C N E A L I M H H I I O T T D D P K M R A Y I I N H H I E T [] R	
JARRENGO SAYAPZ A EL I A S T T N EN IL I T E PI L L E T E K D P B W R A Y V L N I V L D G F K G T MARRENGO SITEMA A EL I A S T T N E N IL I T E PI L L E K A D P B W R A Y V L N I V L D G F K G T MARRENGO SITEMA A EL I A S T T N E N IL I T S V L L K K A T S D B G K R IL A I L N I V L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L I K D V L K K K T S D G G K R IL A I L N I V L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L I T N Y L L K K K T S D G G K R IL A I L N I V L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L M P V L L K K S T D P K G K IL A I L N I V L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L M P V L L K K S T D P K G K IL A I L N I V L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L M P V L L K K S T D P K G K IL A I L N I V L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L M P V L L K K S T D P K G K IL A I L N I V L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L M P V L L K K S T D P K G K IL A I L N I V L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L M P V L L G K T T D P R IL R A Y V L N I H F L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L M P V L L G K T T D P R IL R A Y V L N I H F L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L M P V L L G K T T D P R IL R A Y V L N I H F L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L M P V L L G K T T D P R IL R A Y V L N I H F L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L L M P V L L G K T T D P R IL R A Y V L N I H F L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L L M P V L L G K T T D P R IL R A Y V L N I H F L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L L M P V L L K F K D D D M K K F V L N I N I L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L L M P V L L K F K D D D M K K F V L N I N I L D G F K G T MARRENGO SITEMA A EL I A S T T N E R L L L M P V L L K F K D D D M K K F V L N I N Y L L D S F K G T MARRENGO SITEMA A EL I A S T T N E R L L L M P V L L K F K D D D M K K K V L N Y V L D S F K G T MARRENGO SITEMA A EL I A S T T N E R	UniRef90_W8YQI4	A FIVIA S TII IN F AII I IMD YII I IN K S T D P K F K M Y II I IT Y Y A D O F R	ΤT
JURGESO DESTITATION OF THE STATE OF THE STAT		A E I A S T T N E NIL I T E HILLET E K D P R V R A Y V L N H Y L D G E K	
JURGESO DESTITATION OF THE STATE OF THE STAT	UniRef90_S1R7E2	A E I A S T T N E N I L T E Y L L E T Q K D P K V R A F V L N H Y L D G F K	ΑT
JARRENG P. SELCYM A E V A S T T N E A L M D Y L E E K D P K O K Y L Y A D O F R T T J J J J J J J J J J J J J J J J J		A E II A S I I N E N L L II D Y L L K K A D S P E E K A L I L IS Q Y L D G F K A E IV A S T L N E GIL I T N Y I I K H T S D K G K R II A I I N H A II E D L R	
Jinkengo UP000947E077C A E VIA S T I IN E A I L IM H D MIL E H T T D D R A K MY I L IT Y Y A D Q F R T T T Jinkengo UP000947E078C A E VIA S T I IN E A I L IM H D MIL E H T T D D R R I A X Y L IN H F I D Q F R C T T J INREND CREATER A S T T I M E A I L IT E Y I L I E K T T D D R R I K I K I N H F I D Q F R C T T J INREND CREATER A S T T I M E A I L IT E Y I L I E K T T D D R R I K I K I N H F I D Q F R C T T J INREND CREATER A S T T I M E A I L IT E Y I L I E K T T D D R R I K I K I N H F I D Q F R C T T J INREND CREATER A S T T M E A I L I T E Y I L I K F R C D D D E M K K F I L IN Y Y L D G F R C T T J INREND CREATER A S T T M E A I L I T D Y L L E T C M D D E M K K F I L IN Y Y L D G F R C T T J INREND CREATER A S T T M E A I L I T D Y L L E T C M D A D E M K K F I L IN Y Y L D G F R C T T J INREND CREATER A S T T M E A I L T T D Y L L E T C M D A D E M K K F I L IN Y Y L D G F R C T J INREND CREATER A S T T M E A I L T T D Y L L E T C M D A D E M K K F I L IN Y Y L D G F R C T T J INREND CREATER A S T T M E A I L T T D Y L L E T C M D A D E M K K F I L IN Y Y L D G F R C T T J INREND CREATER A S T T M E A I L T T D Y L L E T C M D A M K I L IN Y Y L D G F R C T T J INREND CREATER A S T T M E A I L T T D Y L L E T C M D A M K I L IN Y Y L D G F R C T T J INREND CREATER A S T T M E A I L T T T D Y L L E T T D Y A C T T T T T T T T T T T T T T T T T T	UniRef90_R9LCW9	A FIVIA S T T N F AII I IMD Y II I IK K S T D P K Q K II IY II I I T Y Y A D Q F R	ΤT
Junkengo Rezigs4 A E I V A S T M E A L L ME Y L L G K T D P RIJER A Y V L IN H F L D G F K G T J Junkengo Rezigs4 A E I V A S T M E A L L ME Y L L G K T D P RIJER A Y V L IN H F L D G F K G T J Junkengo C4FSyy A E I A S T T N E A L L T P Y L L G K T D P RIJER A Y V L IN H F L D G F K G T J Junkengo C5FGAO A E I A S T T N E A L L T P Y L L G K T D P K ME A Y V L IN H F L D G F K G T J Junkengo C5FGAO A E I A S T T N E A L L T P Y L L G K T D P K ME K Y V L IN H F L D G F K G T J Junkengo C5FGAO A E I A S T T N E A L L T P Y L L G K T K D P K ME K Y V L IN H F L E S F R G T J Junkengo C5FGAO A E I A S T T N E A L L T R H L L K T A G S R E E K A Y L L IN H F L E S F R G T J Junkengo C5FGAO A E I V A S T M E A L L T R H L L K T A K G S R E E K A Y L L IN H F L E S F R G T J Junkengo C5FGAO A E I V A S T M E A L L T R H L L K T A K G S R E E K A Y L L IN H F L E S F R G T J Junkengo C5FGAO A E I V A S T M E M E L L T T T T T T T T T T T T T T T T T	UniRef90_R2NTZ5 UniRef90_UPI00047E0D7C	A E I I A S I I N E N L L I I S Y L L E I E K D P K I R A Y II I N H F L D G F K A E V A S T L N E A L L M H D M I F K A D D P K A K M Y I I T Y Y A D O F R	
JAIRGERO DADJS A E V A S T C N E A L L ME Y L L S K T T D K Q R A Y L I N H F L D S F K G T JAIRGEGO CASONS A E I A S T T N E A L L I T T D Y L L K F K O D D E M K K F Y L I N Y Y L D S F K G T JAIRGEGO CASONS A E I A S T T N E N L L T D Y L L K F K O D D E M K K F Y L N Y Y L D S F K G T JAIRGEGO CASONS A E I A S T T N E N L L T D Y L L K F K O D D E M K K F Y L N Y Y L D S F K G T JAIRGEGO CASONS A E V A S T C N E A L L T T N E N L L T T Y E L L X T E K D E N M R K Y L L N Y Y L D S F K G T JAIRGEGO CASONS A E V A S T C N E A L L T T T T T T T T T T T T T T T T T	UniRef90_W2E900	A E V A S T L N E A L L M D Y M L K H T T D P K E K L Y L L T Y Y A D Q F R	ŢΤ
JAIRGEGO UPSTYON A E A S T T N E A L T D Y L E T Q K D P K E K A Y L N H Y L D G F K G T J JAIRGEGO ASSEAGA A E A S T T N E A L T F Y F L D H L T D S K K F K A Y L N H Y L D G F K G T J JAIRGEGO ASSEAGA A E A S T T N E A L T F Y F L D H L T D S K K F K A Y L N H Y L D S F K G T J JAIRGEGO ASSEAGA A E A S T T N E A L L T F Y F L D H L T D S K K F K A Y L N H Y L D S F K G T J JAIRGEGO ASSEAGA A E A S T T N E A L L T F Y F L D H L T D S K K F K A Y L N H Y L D S F K G T J JAIRGEGO ASSEAGA A E A S T T N E A L L L N H L H K E K D K T K K K L Y L N Y F L E G F R G T J JAIRGEGO TOUXS A E A S T T N E A L L L N H L H K E K D K K K K K A Y L N Y F L E G F R G T J JAIRGEGO TOUXS A E A S T T N E A L L N H L H K E K D K K K K K A Y L N Y F L E G F R G T J JAIRGEGO TOUXS A E A S T T N E A L N H L T N Y F L E T D P A R H A Y I L N Y F L E G F R G T J JAIRGEGO UP1000215707A A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP100054742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y		A E I I A S I I N E N L L I E Y L L E I E I D P R I R A Y IV L N H Y L D G F K A E IV A S T C N E A L L IME Y II I G K T T D K K O R A Y II I N H F II D O F K	
JAIRGEGO UPSTYON A E A S T T N E A L T D Y L E T Q K D P K E K A Y L N H Y L D G F K G T J JAIRGEGO ASSEAGA A E A S T T N E A L T F Y F L D H L T D S K K F K A Y L N H Y L D G F K G T J JAIRGEGO ASSEAGA A E A S T T N E A L T F Y F L D H L T D S K K F K A Y L N H Y L D S F K G T J JAIRGEGO ASSEAGA A E A S T T N E A L L T F Y F L D H L T D S K K F K A Y L N H Y L D S F K G T J JAIRGEGO ASSEAGA A E A S T T N E A L L T F Y F L D H L T D S K K F K A Y L N H Y L D S F K G T J JAIRGEGO ASSEAGA A E A S T T N E A L L L N H L H K E K D K T K K K L Y L N Y F L E G F R G T J JAIRGEGO TOUXS A E A S T T N E A L L L N H L H K E K D K K K K K A Y L N Y F L E G F R G T J JAIRGEGO TOUXS A E A S T T N E A L L N H L H K E K D K K K K K A Y L N Y F L E G F R G T J JAIRGEGO TOUXS A E A S T T N E A L N H L T N Y F L E T D P A R H A Y I L N Y F L E G F R G T J JAIRGEGO UP1000215707A A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP10004742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y Y L D G F K G T J JAIRGEGO UP100054742680 A E A S T T N E A L L N H L N K E Q N K E K K L Y L N Y	UniRef90_C0D4J9	A E V A S T C N E A L L R H L L N R T E E T Q E K R Y L I N H F L E S F R	GΤ
JAIRGERO, CSECAO A E V A S T C N E A L L I R H L L K K A G S R E E K A Y L I N Y F L E E F R T T JAIRGEOG SERIOGS A E V A S T C N E A L L I R H L L K K A G S R E E K A Y L I N Y V L I S F K G T T JAIRGEOG SERIOGS A E V A S T C N E S L L I K H L L A T T D S K T R A F I L N Y V L I S F K G T T JAIRGEOG SERIOGS A E V A S T C N E S L L I R H L L K K A G S R E E K A Y L I N Y V L I S F K G T T JAIRGEOG SERIOGS A E V A S T C N E S L L I R H L L K K L A G S R E E K A Y L L N Y V L I S F K G T T JAIRGEOG SERIOGS A E V A S T C N E S L L M O Y L L K T T D S K T R A F I L N Y V L D S F K G T T JAIRGEO CENDAS JAIRGEOG COMBAS A E V A S T C N E A L L M O Y L L K H T D D R K K K L Y L I N Y Y L D G F K G T JAIRGEO COMBAS A E V A S T C N E A L L M O Y L L K H T D D R K K K L Y L I N Y Y L D G F K G T JAIRGEO COMBAS A E V A S T C N E A L L M D Y M L K K T N D K K E K M R A Y V L N Y Y L D G F K G T JAIRGEO COMBAS A E V A S T C N E A L L M D Y M L K K T N D K K E K M R A Y V L N Y Y L D G F K G T JAIRGEO COMBAS A E V A S T C N E A L L M D Y M L K K T N D K K E K K L Y L I N Y Y L D G F K G T JAIRGEO COMBAS A E V A S T C N E A L L M D Y M L K K T N D K K E K K L Y L I N Y Y L D G F K G T JAIRGEO LIPHOOUSTSTOTA A E V A S T C N E A L L M D Y M L K K T N D K K E K K L Y L I N Y Y L D G F K G T JAIRGEO LIPHOOUSTSTOTA A E V A S T C N E A L L M D Y M L K K T N D K K E K K L Y L L N Y F L D G F K G T JAIRGEO LIPHOOUSTSTOTA A E V A S T C N E A L L L N H L L N K E Q N K E K K L Y L L N Y F L D G F K G T JAIRGEO LIPHOOUSTSTOTA A E V A S T C N E S L L L N H L L N K E Q N K E K K L Y L L N Y F L D G F K G T JAIRGEO LIPHOOUSTSTOTA A E V A S T C N E S L L L N H L L N K E Q N K E K K L Y L L N Y F L E G F R G T JAIRGEO LIPHOOUSTSTOTA A E V A S T C N E S L L L N H Y L L K K E C D K K K K L Y L L N Y F L E G F R G T JAIRGEO LIPHOOUSTSTOTA A E V A S T C N E S L L L L R Y L L E F T T T D K K E R R W L L S Y Y N M V R T T JAIRGEO LIPHOOUSTSTOTA A E V A S T C N E S L L L L R Y L L K K E K D K K K K L Y L L N Y F L E G F R G T JAI	UniRef90_F4FSV3 UniRef90_U5S7Y6	A FILIA S T T N F NIL L IT D YIL L IF T Q K D P KIVIR A YIV L IN H YIL ID G F K	
JAIRGERO OSSUPO A E U A S T T ON E II L I M P Y L D S F K G T JAIRGERO DOSSUPO A E V A S T T ON E II L L I M P Y L D S K E R A Y L I N Y Y L D S F K G T JAIRGERO DOSSUPO A E V A S T T ON E II L L I M P Y L I K E K D K T K K K K L Y L I N Y Y L D S F K G T JAIRGERO TOJAS A E V A S T T ON E II L L I M P Y L I K E K D K T K K K K K L Y L I N Y Y L D S F K G T JAIRGERO TOJAS A E V A S T T ON E II L L L IN P H L I H K E K D K T K K K K L Y L I N Y Y L D S F K G T JAIRGERO TOJAS A E V A S T T ON E JAIL L L N D F H L L K T T T D R Q K K K L Y L I N Y Y L E Q F R G T JAIRGERO JAIRGER	UniRef90_C5EGA0	A F V A S T	GΤ
JAIRGEGO GZSWP8 JAIRGEGO JSSSU9 A E V A S T T N E IL L I ME Y IL L A N T T D D K K E R A Y IL IN Y P L E Q F R T T JAIRGEGO JSSSU9 A E V A S T T N E IL L I M Q Y L A H T D D R K K E K A Y L I N Y P L E Q F R T T JAIRGEGO LOUNS A E V A S T T N E IL L I M Q Y L A H T D D R K K E K A Y L I N Y P L E Q F R T T JAIRGEGO LOUNS A E V A S T T N E IL L I N Y P L L E H E T D P A R H A Y I L N Y P L E G F R G T JAIRGEGO LOUNG SEPAGE A E V A S T T N E IL L H N Y L L E H E T D P A R H A Y I L N Y P L E G F R G T JAIRGEGO LOUNG SEPAGE A E V A S T T N E R L L H N Y F L L E H E T D P A R H A Y I L N Y P L D G V R G T T JAIRGEGO LOUNG SEPAGE A E V A S T T N E R L L H N Y F L L E H E T D P A R H A Y I L N Y Y L D G V R G T T JAIRGEGO LOUNG SEPAGE A E V A S T T N E R L L H N Y F L L D T E K D P K R R A Y I L N Y Y L D G V R G T T JAIRGEGO LOUNG SEPAGE A E V A S T T N E R L L H N Y L L H N Y F L L L A Y Y L A Y L		A E V A S T V N E S L L N H L L A T E K D E N M R K Y L L N Y Y E E F R A E A S T T N E N L T E Y F L D H L T D S K T R A F I I N Y Y I D S F K	
JAIRGE90 CSUM343 A E V A S T T N E ALL L M Q Y L L A H T D D R K E K A Y L I N Y F L E Q F R T T J JAIRGE90 CSUW343 A E V A S T T N E ALL L S H Y L L E H E T D P A R H A Y I L N Y F L E G F R G T J JAIRGE90 CSUW343 A E V A S T T N E ALL L S H Y L L E H E T D P A R H A Y I L N Y Y L D G F K G T J JAIRGE90 UP10003167A39F A E I A S T T N E ALL L S H Y L L E H E T D P A R H A Y I L N Y Y L D G F K G T J JAIRGE90 UP1000219707A A E I A S T T N E ALL L M D Y M L K K T N D K K E W M Y L L A Y Y L D G F K G T J JAIRGE90 UP1000219707A A E I A S T T N E ALL L M D Y M L K K T N D K K E W M Y L L A Y Y L D G F K G T J JAIRGE90 UP1000219707A A E I A S T T N E ALL L M D Y M L K K T N D K K E W M Y L L A Y Y L D G F K G T J JAIRGE90 ROPEZNS A E I A S T T N E ALL L M D Y M L K K T N D K K E W M Y L L A Y Y L D G F K G T J JAIRGE90 ROPEZNS A E I A S T T N E ALL L M E Y L L E G T T D K K E K M Y L L N Y F L E G F R G T J JAIRGE90 ROPEZNS A E I A S T G N E ALL L M E Y L L E G T T D K K E R A Y L L N H F L E E F R T T J JAIRGE90 ROPEZNS A E I A S T G N E ALL L M E Y L L E G T T D K K E R A Y L L N H F L E E F R T T J JAIRGE90 ROPEZNS A E I A S T G N E ALL L M E Y L L E G T T D K K E R A Y L L N H F L E E F R G T G N E ALL L M E Y L L E G T T D K K E K K L Y L L N Y F L E E F R G T G N E ALL L M E Y L L E G T T D K K E K K L Y L L N Y F L E E F R G T G N E ALL L M E Y L L E G T T D K K E K K L Y L L N Y F L E E F R G T G N E ALL L M E Y M F N H L E D K R K K K L Y L L N Y F L E E F R G T G N E ALL L M E Y M F N H L E D K R K K L Y L L N Y F L E E F R G T G N E ALL L M E Y M F N H L E D K R K K L Y L L N Y F L E E F R G T G N E ALL L M E Y M F N H L E D K R K K L Y L L N Y F L E E F R G T G N E ALL L M E Y M F N H L E D K R K K L Y L L N Y F L E E F R G T G N E ALL L M E Y M F N H L E D K R K K L Y L L N Y F L E E F R G T G N E ALL L M E Y M F N H L E D K R K K Y L L N Y Y L L E F R G T G N E ALL L M E Y M F N H L E D K R K K Y L L N Y Y L L E F R G T G N E ALL L M E Y M F N H L E D K R K K Y L L N Y Y L L E F R G T G N E	UniRef90_G2SWP8	A E V A S T C N E T L L M E Y L L A N T T D K K E R A Y L L N H Y L D S F K	ĞΤ
JAIRGE90 JOUNS JAIRGES TO NE ALL L S H Y L L K T T T D R Q K K L Y L L N Y F L D G F K G T JAIRGE90 JE00036PA9F A E V A S T T N E N L L T N Y F L D T E K D P K M R A Y V L N Y Y L D G F K G T JAIRGE90 JE0003797A A E V A S T T N E N L L T N Y F L D T E K D P K M R A Y V L N Y Y L D G F K G T JAIRGE90 JE00047A26B A E V A S T T N E N L L T N Y F L D T E K D P K M R A Y V L N Y Y L D G F K G T JAIRGE90 JE00047A26B A E V A S T T N E N L L T N Y F L N K F T N K E K K K L Y L L N Y Y L D G F K G T JAIRGE90 JE00047A26B A E V A S T T N E G L L J N H L L IN K E T N K E K K K L Y L L N Y F L D G F K G T JAIRGE90 ROWF9S A E V A S T T N E G L L J N H L L IN K E T D K K K K K L Y L N Y F L E G F R G T JAIRGE90 ROWF9S A E V A S T N E A L L J H Y L I N K E T D K K K K K L Y L I N Y F L E E F R G T JAIRGE90 L M JAIRG		A F V A S T C N F A I I M Q Y I I A H T D D R K F K A Y I I N Y F I F Q F R	
JAIRGE90 JUP100035FAA9F A E I I A S T T N E NIL L T N Y F IL D T E K D P K M R A Y V L N Y Y L D G F K G T JAIRGE90 JUP100035FAA9F A E V A S T T N E NI L T D Y IL L K N N S D P E W K K K L A Y V L D G P R T T JAIRGE90 JUP10004772680 A E V A S T T N E NI L T D Y L L K N N S D P E W K K K L Y L D G V K G T JAIRGE90 JUP10004772680 JAIRGE90 JUP10004742680 A E V A S T T N E G L L J H Y L I N K E D N K K K K L Y L N A Y V L D G P R T T JAIRGE90 ROBPUS A E V A S T T N E G L L J H Y L I N K E D K K K K K L Y L N N G Q L E G J R T T JAIRGE90 ROBPUS A E V A S T O N E A L L J H Y L I N K E D K K K K L Y V N Y F L E G F R G T JAIRGE90 ROBPUS A E V A S T O N E A L L J H Y L I N K E D K K K K L Y V N Y F L E G F R G T JAIRGE90 A JAIR	UniRef90_T0IJX5	AEVASTTNELLLNDFLLKTTTDRQKKLYLINQYLEMVR	ΑТ
JAIRGE90 UP100036FAA9F JAIRGE90 UP100036FAA9F JAIRGE90 UP1000219707A A E I A S T T N E A L M D Y M L K N N S D P E L K Y L A Y Y I D G G Y L JAIRGE90 UP1000219707A A E I A S T T N E A L M H L N N K E Q N K E K K Y F I N Q Q L E Q I R T T JAIRGE90 R98V97 A E V A S T T N E A L L H Y L N K E Q N K E K K Y F I N Q Q L E Q I R T T JAIRGE90 R98V97 A E V A S T T N E A L H M Y L N K E Q N K E K K Y F I N Q Q L E Q I R T T JAIRGE90 R98V93 A E V A S T T N E A L H M Y L K T T E D K K K K K Y F I N Q Q L E Q I R T T JAIRGE90 R98V3 A E V A S T G N E A L M M Y L K T T E D K K K K K Y F I N Q Q L E Q I R T T JAIRGE90 R98V3 A E V A S T G N E A L M M Y L K T T E D K K K K K Y F L N Y F L E G F R G T JAIRGE90 D89V3 A E V A S T G N E S L M Y Y L K E T A K Y L N Y F L E G F R G T JAIRGE90 D89V3 A E V A S T G N E S L M D Y L K T T D K Q K R L Y L N Y F L E G F R G T JAIRGE90 D800379985 A E V A S T G N E S L M D Y L K T T D K Q K R L Y L N Y F L E G F R G T JAIRGE90 D800379085 A E V A S T G N E S L M D Y L K T T D K Q K R L Y L N Y F L E G F R G T JAIRGE90 S22T97 A E V A S T G N E A L M R Y L L K T T E D K Q K R L Y L N Y F L E G F R G T JAIRGE90 S22T97 A E V A S T G N E A L M Y Y L L K T T E D K Q K R L Y L N Y Y L D R G R G T JAIRGE90 S22T97 A E V A S T G N E A L M Y Y L L K T T T E D K Q K R L Y L N Y Y L D R G R G T JAIRGE90 S22T97 A E V A S T G N E A L M Y Y L L K T T T T E C T T T T T T T T T T T T T T		A FILAST TN FNILLS HYLLEHE I DPARHAYIL IN HFILEGFR	
JAIRGE90 UP100047A2680 A E VIA S T T N E CL L I N H L I N K E Q N K E K K L Y F I N Q Q L E Q I R T T JAIRGE90 R69ZNS A E VIA S T T N E A L L I H Y L I N K E T D K K K K L Y F I N Q Q L E Q I R T T JAIRGE90 R69ZNS A E VIA S T C N E A L L I H Y L L K T T E D K K M R K Y L V IN Y F L E Q F R G T JAIRGE90 R99YY3 A E VIA S T C N E A L L I H Y L L K T T E D K N M R K Y L V IN Y F L E Q F R G T JAIRGE90 L9000379985 JAIRGE90 D4M7P1 A E VIA S T C N E S L L I H Y L L E G T T D K K G R A Y L L N Y F L E G F R G T JAIRGE90 D4M7P1 A E VIA S T C N E S L L A E Y M F N H L E D K R K K K L Y L L N Y F L E G F R G T JAIRGE90 UP100035001D7 A E VIA S T V IN E Q L L J A Y L L K T A K T E E E R K W L L S Y Y Y N M VIR T T JAIRGE90 UP100035001D7 A E VIA S T V IN E Q L L J A Y L L K E C D K N K K K L Y L IN T Q L E Q I R T T JAIRGE90 S42SV8 JAIRGE90 S42SV8 JAIRGE90 S42SV8 A E I A S T T N E A L L L S H Y L E H E T D P A R H A Y I L N H F L E G F R G T JAIRGE90 W4QQ10 A E VIA S T V IN E Q L L S H Y L L K N T D D A R M A Y I L N H Y Y L D G F K G T JAIRGE90 UP10002D21B1B JAIRGE90 E38SW5 A E VIA S T T N E Q F L G R Y L IN K D N K A E K A Y L I N H F L D S F R G T JAIRGE90 F38SP8 A E VIA S T T N E Q F L G R Y L IN K C L Y L N R E I D D F L R R T A Y J L N H F L D S F R G T JAIRGE90 A00.037273 A E V A S T V IN E Q L L Y H Y W L D D D K T R K Y L L N Y F L D S F R G T JAIRGE90 A00.037273 A E V A S T V IN E Q L L L H Y Y L L N Q E L E R F R A T JAIRGE90 F38B08 A E V A S T V IN E A L L L D Y F L L N A Y L L N Y F L E G F R G T JAIRGE90 B00.00368043 A E V A S T V IN E A L L L L D Y H L L N A Y L L N Y F L E G F R G T JAIRGE90 B00.00368043 A E V A S T V IN E A L L L L L L L L L L L L L L L N Y L L L R Y L L L R Y L L L R Y L L L R Y L L L R Y L L L R Y L L L R Y L L R Y L L R Y L L R Y L L R Y Y L N Y F L E G F R G T JAIRGE90 B00.00368043 A E V A S T V IN E A L L L L L L L L L L L L L L R Y L L L R Y L L L R Y L L L R Y L L R Y L L R Y Y L R Y F L R G T L R Y L R Y F L R Y L R Y F L R Y F L R Y L R Y F L R Y L R Y F L R Y L R Y L R Y F L R Y R	UniRef90_UPI00036FAA9F	AEVASTUNEALLMDYMLKKTNDKKEKMYLLAYYIDQFR	ΤT
JAIRGE90 REPRY3 A E V A S T T N E A L H Y L N K E T D K K K K K Y L N T F E Q R T T J INREE90 REPRY3 A E V A S T C N E N L M R Y L K T T E D K N M R Y L N H F E E F R T T T J INREE90 REPRY3 A E V A S T C N E N L M R Y L K T T E D K N M R Y L N H F E E F R T T T A E N L M R Y L K T T E D K N M R Y L N H F E E F R T T T L N R Y L N H F L E F R T T T L Y L N T Y L N T Y L N T Y L N T Y L N T Y L N T Y L N T Y L N T Y L N T Y L N T Y N		A E II A S I I N E NII L II D Y L L K N N S D P E IV I K Y II L IN S Y L D G V K A E IV A S T T N E C I I I N H I I N K E O N K E K K I Y E I N O O I E O II R	
JAIRGE90 REBYY3 JAIRGE90 LEBYY3 JAIRGE	UniRef90_R9BV97	AEVASTINEALLIHYLINKETDKKKKLYLINGELEQUR	ΤT
JAIRGE90_DEPNO33998B5 A E V A S T T N E A L L A E Y M F N H LE D K A K K L Y L L N Y F L E G F R G T JAIRGE90_DEPNO33998B5 A E V A S T T N E A L L A E Y M F N H LE D K A K K L Y L L N T Q L E Q F K G S JAIRGE90_DEPNO35001D7 A E V A S T T N E A L L A E Y M F N H LE D D K A K K L Y L L N T Q L E Q I R T T JAIRGE90_DEPNO35001D7 A E V A S T T N E A L L L G H L L K T A K T E E E R K W L L S Y Y Y N MV R T T JAIRGE90_DEPNO35001D7 A E V A S T V N E Q L L L J H Y Y Y L K K E D K N K K L Y L I N T Q L E Q I R T T T JAIRGE90_S425V8 A E V A S T V N E Q L L L Y H Y Y L L K K E D K N K K K H L L N Y Y L D G F K G T JAIRGE90_S425V8 A E V A S T V N E N L L I N D Y F L E T D P A R A Y I L N Y Y L D G F K G T JAIRGE90_WAQQIO A E V A S T V N E N L L I T D Y F L T H S D D P K W A X I L N Y Y L D G F K G T JAIRGE90_WAQQIO A E V A S T V N E N L L I R Y L L K N T D N K A K K K H L L N H F I D D S F K G T JAIRGE90_ES3093 A E V A S T V N E V L L R Y L L K N T E D A K M K K H L L N H F I D S F K G T JAIRGE90_DEPNO2D2D2B12B A E V A S T V N E V L L R Y L L K N T E D A K M K K K H L L N H F I D D L R R T JAIRGE90_DEPNO2D2D2B12B A E V A S T V N E V L L T Y Y M K H V T D N K T R A Y Y L N R E I D D L R R T JAIRGE90_DEPNO2D2D2B12B A E V A S T V N E V L L T Y Y M K D H A S S K E K K A F I I N H F L D S F K G T JAIRGE90_DEPNO2D2D2B12B A E V A S T V N E V L L T Y Y M K D H A S S K E K K A F I I N H F L D S F K G T JAIRGE90_DEPNO2D2D2B12B A E V A S T V N E V L L T Y Y L K N T E D A K M K K Y L L N Y Y L D S F K G T JAIRGE90_DEPNO2D2D2B12B A E V A S T V N E V L L T Y Y M K D H A S S K E K K A F I I N H F L D S F K G T JAIRGE90_DEPNO2D2D2B12B A E V A S T V N E V L L T Y Y M K D H A S S K E K K A F I I N H F L D S F K G T JAIRGE90_DEPNO2D2D2B12B A E V A S T V N E V L L T H Y L L N Q S T D D K T K K Y L V N D F I D R F K G T JAIRGE90_DEPNO2D2B12B A E V A S T V N E V L L T H Y L L K N A D D N E K K Y L V N D F I D R F K G T JAIRGE90_DEPNO2D2B12B1 A E V A S T V N E V L L T H Y L L K K D A D D K F K G T L N Y Y L D G F K G T JAIRGE9		A E V A S T	
JAIRGE90 DE JBBAT4 JAIRGE90 SE JBBAT4 A E V A S T V N E N IL L I N D L I K K E K D K N K K I Y IL I N T Q IL E Q I R T T JAIRGE90 UP1000350117 A E V A S T V N E N IL L I N D L I K K E K D K N K K I Y IL I N T Q IL E Q I R T T JAIRGE90 SZZT97 JAIRGE90 SZZV8 A E I A S T T N E N IL L I T D Y E IL T H S D D P K E R A Y IL IN Y Y L D G F K G T JAIRGE90 SZZ991 JAIRGE90 SZZ991 A E V A S T V N E N IL L T D Y E IL T H S D D P K A R K A Y IL IN Y Y L D G F K G T JAIRGE90 WAQQIO A E V A S T V N E N IL L T D Y E IL T H S D D P K A R K A Y IL IN Y Y L D G F K G T JAIRGE90 SZBU93 A E I A S T T N E N IL L T D Y E IL T H S D D P K A R K A Y IL IN Y Y L D G F K G T JAIRGE90 UP10002D2B12B A E V A S T V N E IV L L R Y IL K N T E D A K M K K H L L N H F IL D S F K G T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y IL K N T E D A K M K K H L L N H F IL D D F K G T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y J M K H V T D N K T R A Y Y J L N R E IL D D IL R R T T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y J M K H V T D N R T R A Y Y J L N R E IL D D IL R R T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y M E Q N L D D K K R K L J L N Q E L E R F R A T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y L L N Q S L E R F K Q T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y L L N Q S L E R F K Q T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y L L N Q S L E R F K Q T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y L L L R Q S L E R F R Q T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y L L L R Q S L E R F R Q T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y L L R Q S L L R R Y L N Q G L E Q R R G T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y L L L R Q S L C R G T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y L L L R Q S L C R G T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y L L L R Q S L C R G T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y L L L R Q S L C R G T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y L L K R A K D D K R R F A L L N Y L D G F K G T JAIRGE90 ESSEM5 A E V A S T V N E V L L J R Y L L K R A K D D	UniRef90_R9BYY3	A E V A S T C N E S L L N D Y L L K T I T D K Q K R L Y L L N Y F L E G F R	G T
JAIRGE90_DE1BAT4 A E V A S T I V N E N L L I N D L I K K E K D K N K K K I Y L I N T Q L E Q I R T T JAIRGE90_SZZT97 JAIRGE90_SZZT97 A E V A S T I V N E N L L I N D L I K K E K D K N K K K I Y L I N T Q L E Q I R T T JAIRGE90_SZZT97 A E V A S T I O N E A L L S H Y L L E H E T D P A R H A Y I L N H F L D G F K G T JAIRGE90_SZZ91 A E V A S T I O N E A L L S H Y L L E H E T D P A R H A Y I L N H F L D G F K G T JAIRGE90_SZZ91 A E V A S T I O N E A L L S H Y L L K N T D N K A E K A Y L I N H F L D S F K G T JAIRGE90_E3BU93 A E V A S T I O N E A L L S H Y L L K N T D N K A E K A Y L I N H F L D S F K G T JAIRGE90_E9BU93 A E V A S T I N E O F L G R Y J M K N T L D A K M K K H L L N H F L D S F K G T JAIRGE90_E0S147 A E V A S T I N E O F L G R Y J M K N T L D A K M K K H L L N H F L D S F K G T JAIRGE90_E0S147 A E V A S T I N E O F L G R Y J M K D T D N K T R A F L L N Y Y L D S F K G T JAIRGE90_ESSEM5 A E V A S T I N E O F L G R Y J M K D T D N K T R A F L L N Y Q L D S F K G T JAIRGE90_ESSEM5 A E V A S T I N E O F L G R Y J M K D D D D N R T R K Y L L N Q E L E R F R A T JAIRGE90_ESSEM5 A E V A S T I N E O F L L N Y H Y M K D D D D N K R K K Y L V N D F L D S F K G T JAIRGE90_ESSEM5 A E V A S T I N E O F L L N Y L L K N Y D L D D D D D D D D D D D D D D D D D	UniRef90_UPI00037998B5 UniRef90_D4M7P1	A FIVIA S T T N F A II I I I I I I I I I K T A K T F F F R K WII I I I S Y Y Y N MIVIR	
JAIRE990_S2ZT97 A E V A S T T C N E A L S H Y L E H E T D P A R H A Y L N H F L E G F R G T JAIRE990_ASZ991 A E V A S T T C N E N L L T D Y F L T H S D D P K M R Y L N H F L D G F K G T JAIRE990_ASZ991 A E V A S T T C N E S L L H Y L L K N T D D A K A E K A Y L I N H F L D G F K G T JAIRE990_E3BU93 A E V A S T T N E N L L T R Y L L K N T D D A K A E K A Y L I N H F L D S F R G T JAIRE90_E9DUP10002D2B12B A E A S T T N E N L L T R Y L L K N T E D A K A E K A Y L I N H F L D S F R G T JAIRE90_E0S147 A E A S T T N E N L L T E Y F L K N I T D P K T R A F I L L N Y Y L D S F K G T JAIRE90_E0S147 A E A S T T N E N L L T R Y H Y M K D H A S S K E E K A F I I N H F L D S F K G T JAIRE90_E3SEM5 A E A S T T N E V L L S H Y M E Q N L D D K R R R L L L N Q E L E R F R A T JAIRE90_E3SEM5 A E A S T T N E V L L S H Y M E Q N L D D K R R K Y L L N Q E L E R F R A T JAIRE90_E3DS05 A E A S T T N E V L L M N Y L L E T Q E E T Y K K Y L I N Y F M E Q F R S T JAIRE90_A0A0372273 A E A S T T N E N L L L M N Y L L E T Q E E T Y K K Y L I N Y F M E Q F R S T JAIRE90_A0A0372273 A E A S T T N E N L L L M N Y L L E T Q E E T Y K K Y L I N Y F M E Q F R S T JAIRE90_A0A0372273 A E A S T T N E N L L L M N Y L L E T A Q E T Y K K Y L I N Y F M E Q F R S T JAIRE90_A0A0372273 A E A S T T N E N L L L M N Y L L E T A Q E T Y K K Y L I N Y F M E Q F R S T JAIRE90_A0A0372273 A E A S T T N E N L L L M N Y L L E T A Q E T Y K K Y L I N Y F M E Q F R S T JAIRE90_A0A0372273 A E A S T T N E N L L L M N Y L L E T A Q E T Y K K Y L I N Y F M E Q F R S T JAIRE90_A0A0372273 A E A S T T N E N L L L M N Y L L E T A Q E T Y K K Y L I N Y F M E Q F R S T JAIRE90_A0A0372273 A E A S T T N E N L L L M N Y L L E T A Q E T Y K K Y L I N Y F M E Q F R S T JAIRE90_A0A0372273 A E A S T T N E N L L T Y Y L L K X A A D D N E R A Y L I N N F L D S A K G T JAIRE90_A0A037200 A E A S T T N E N L L T Y Y L L L K X A A D D N E R A Y L I N Y L L D G F R G T JAIRE90_A0A037200 A E A S T T N E N L L	UniRef90_B1BAT4	A E V A S T V N E N L L I N D L I K K E K D K N K K L Y L I N T Q L E Q I R	
JAIRE190_S42SV8 A E I A S T T N E N L L L D Y P L L H S D D P K V R A Y I L N Y Y L D G F K G T JAIRE190_W4QQ10 JAIRE190_W4QQ10 JAIRE190_W4QQ10 JAIRE190_UP10002D2B12B A E V A S T T V N E V L L I R Y L L K N T D N K K K H L L N H F I D S F K G T JAIRE190_UP10002D2B12B A E V A S T T N E N L L T E Y F L K N I T D N K T K A Y Y L N R E I D D L R R T JAIRE190_ESSEM5 A E V A S T F N E Q F L G R Y L M K H V D N R T R A Y Y L N R E I D D L R R T JAIRE190_DSSR9 A E V A S T T N E N L L T H Y Y L L N Q S T D D K T K K Y L V N D F L D K F K G T JAIRE190_DSSR9 A E V A S T V N E V L L I H Y L L N Q S T D D K T K K Y L V N D F L D K F K G T JAIRE190_DSSN9 A E V A S T V N E V L L I H Y L L N Q S T D D K T K K Y L V N D F L D K F K G T JAIRE190_DSSN9 A E V A S T V N E N L L L D Y M L E N A Q T K E E K L Y L I N Y Y L D S F K G T JAIRE190_ESDSO5 A E V A S T T N E N L L L D Y M L E N A Q T K E E K L Y L V N Y F L E G F R G T JAIRE190_MSRU08 A E V A S T T N E N L L L D H M L H V X K E P E K R I Y F I N Q Y L E Q W R T T JAIRE190_UP10003664A338 A E V A S T T N E N L L T D Y L L K E A K D D K E R F A L L N Y Y L D S F K G T JAIRE190_DSMGY5 A E V A S T T N E N L L T D Y L L K E A K D D K E R F A L L N Y Y L D S F K G T JAIRE190_DSMGY5 A E V A S T T N E N L L T D Y L L K N A A D D N E R A Y L I N N F L D G F R G T JAIRE190_DSMGY5 A E V A S T T N E N L L T T Y L L K E A K D D K E R F A L L N Y N L D G F R G T JAIRE190_DSMGY5 A E V A S T T N E N L L T T Y L L K T N S D D F K K K L L Y F I N D Q F K G T JAIRE190_DSMGY5 A E V A S T T N E N L L T T Y L L K T N S D D F K K K L L Y F I N D Q F K G T JAIRE190_DSMGY5 A E V A S T T N E N L L T T Y L L K N A A D D N E R A Y L L N N F L D G F R G T JAIRE190_DSMGY5 A E V A S T T N E N L L T T Y L L K K T N S D D F K K K L L N T Y L D G F R G T JAIRE190_DSMGY5 A E V A S T T N E N L L T T Y L L K K T N S D D F K K K L L V N T L D G F K G T JAIRE190_DSMGY5 A E V A S T T N E N L L T T Y L L K K T N S D D F K K K L L N H Y L D G F K G T JAIRE190_DSMGY5 A E V A S T T N E N L L T	UniRef90_UPI00035D01D7 UniRef90_S2ZT97	A FIVIA S T C N F AII I IS H Y II I I F H F T D P A R H A Y II I I N H F II I F G F R	
JAIRE690_W4QQ10 JAIRE690_E3BU93 A E V A S T V N E V L L R Y L K N T E D A K M K K H L L N H F D D S F R G T JAIRE690_UP10002D2B12B A E A S T T N E N L T E Y F L K N T D N R T R A Y Y L N R E D D D R R T JAIRE690_E8SEM5 A E V A S T F N E Q F L G R Y M K H V T D N R T R A Y Y L N R E D D D R R T JAIRE690_E8SEM5 A E V A S T V N E V L L Y H Y M K D H A S S K E E K A F T I N H F L D S F K G T JAIRE690_E8SEM5 A E V A S T V N E V L L Y H Y M K D H A S S K E E K A F T I N H F L D S F K G T JAIRE690_B3SEM5 A E V A S T V N E V L L H Y L L N Q S T D D K T R K Y L V N D F D K F K G T JAIRE690_B3SEM5 A E V A S T V N E V L L M Y Y L L B T Y Q E E T Y K R Y L I N Y F M E Q F R S T JAIRE690_B0040A037Z273 A E V A S T T N E N L L D Y M L E T T Q E E T Y K R Y L I N Y F M E Q F R S T JAIRE690_M7EI12 A E I A S T T N E N L L D Y M L E N A Q T K E E K Y L L N Y F L E G F R G T JAIRE690_M7EI12 A E I A S T T N E N L L D Y M L E N A Q D N E R F A L L N Y Y L D S F K G T JAIRE690_M7EI12 A E I A S T T N E N L L D H M H V K E P E K R Y F N N E L D G R A T JAIRE690_M7EI12 A E I A S T T N E N L L D H M H V K E P E K R Y F N N E L D G R A T JAIRE690_M7EI12 A E I A S T T N E N L L D H M H V K E P E K R Y F N N E L D G F R G T JAIRE690_M7EI12 A E I A S T T N E N L L D H M H V K E P E K R Y F N N E L D G F R G T JAIRE690_M7EI12 A E I A S T T N E N L L D H M H V K E P E K R Y F N N E L D G F R G T JAIRE690_M7EI12 A E I A S T T N E N L L D H M H V K E P E K R Y F N N E L D G F R G T JAIRE690_M7EI12 A E I A S T T N E N L L T K Y L L B E V K D E K V R F L L N Y N L E Q F R T T JAIRE690_M7EI12 A E I A S T T N E N L L T K Y L L B E V K D E K V R Y L L N Y N L E Q F R T T JAIRE690_M7EI12 A E I A S T T N E N L L T K Y L L E K E T D P T K K K L V N P L D G F K G T JAIRE690_M7EI12 A E I A S T T N E N L L T K Y L L E K E T D	UniRef90_S4ZSV8	A E A S I I N E N L L I D Y F L I H S D D P K V R A Y I L N Y Y L D G F K	G T
Junkey Disy	UniRef90_A52991 UniRef90 W4QQI0	A E V A S T V N E V L L I R Y L L K N T E D A K M K K H L L N H F I D S F R	GT
Junkey Disy	UniRef90_E3BU93	A E I A S T T N E NI L T E Y F L K N I T D P K T R A F I L N Y Y L D S F K	G T
JniRef90_M5RU08 JniRef90_M5RU08 A E V A S T T N E N L L D Y L L K N A A D D N E R A Y L I N N E L D G F R G T J N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I N I R S T T N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I N I R S T T N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I N I R S T T N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I R S I L T N Y N I L D G F R G T J N I R S I L T N Y N I L D G F R G T J N I R S I L T N Y N I L D G F R G T J N I R S I L T N Y N I L T Y Y L L K T N S D P K F Q A Y U N Q Y L D G F K G T J N I R S I L T N Y N I L E K E T D P T I K K H L V N H F I D Q F K G T J N I R S I L T N Y I L K N E K D A D V R S H L L N H F I D Q F K G T J N I R S I L T N Y I L L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L K N S R A E K A Y L V N R S L E D L R G T N I S R Y I L T N Y I L K N S R A E K A Y L V N R S L E D L R G T N I S R Y I L T N Y I L L K N A K S D D E K K K L F L I N Y Y L L R N Y I L L R N Y I L L R N Y I L L R N Y I L L R N Y I L L R N Y I L L R N Y I L L R N Y I L L R N Y I L L R N Y I L L R N Y I L R N Y I L L R N Y I L R N Y I L R N Y I L R N Y I L R N Y I L R N Y I L R N Y I L R N Y I L R N Y I L R N Y I L R N Y I L R N Y I L R N Y I L R N Y I L R N Y I L R N Y I L R N Y I L R N Y I L R N Y I L R	UniRef90_E0S147	A E V A S T T N E V L L Y H Y M K D H A S S K E E K A F I I N H F L D S F K	
JniRef90_M5RU08 JniRef90_M5RU08 A E V A S T T N E N L L D Y L L K N A A D D N E R A Y L I N N E L D G F R G T J N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I N I R S T T N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I N I R S T T N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I N I R S T T N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I R S I L T N Y N I L D G F R G T J N I R S I L T N Y N I L D G F R G T J N I R S I L T N Y N I L D G F R G T J N I R S I L T N Y N I L T Y Y L L K T N S D P K F Q A Y U N Q Y L D G F K G T J N I R S I L T N Y N I L E K E T D P T I K K H L V N H F I D Q F K G T J N I R S I L T N Y I L K N E K D A D V R S H L L N H F I D Q F K G T J N I R S I L T N Y I L L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L L K N A K S T V N R S L E D L R G T J N I R S I L T N Y I L L K N A K S D P K K K W I L N Y Y L L R N T T N I R S I L T N Y I L K N A K T K Q E K M Y L L N Y Y L L R N T T N I R S I L T N Y I L K N A K S D P K M K M Y L L N Y Y L L R N Y I L	UniRef90_E8SEM5	A E V A S T C N E A L L S H Y M E Q N L D D K R R L L L N Q E L E R F R	
JniRef90_M5RU08 JniRef90_M5RU08 A E V A S T T N E N L L D Y L L K N A A D D N E R A Y L I N N E L D G F R G T J N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I N I R S T T N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I N I R S T T N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I N I R S T T N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I R S I L T N Y N I L D G F R G T J N I R S I L T N Y N I L D G F R G T J N I R S I L T N Y N I L D G F R G T J N I R S I L T N Y N I L T Y Y L L K T N S D P K F Q A Y U N Q Y L D G F K G T J N I R S I L T N Y N I L E K E T D P T I K K H L V N H F I D Q F K G T J N I R S I L T N Y I L K N E K D A D V R S H L L N H F I D Q F K G T J N I R S I L T N Y I L L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L L K N A K S T V N R S L E D L R G T J N I R S I L T N Y I L L K N A K S D P K K K W I L N Y Y L L R N T T N I R S I L T N Y I L K N A K T K Q E K M Y L L N Y Y L L R N T T N I R S I L T N Y I L K N A K S D P K M K M Y L L N Y Y L L R N Y I L	UniRef90_F2JN74	A EVASTVNEAL LIMNYLLIETT QEETYKRYL I NYFMEQFR	ST
JniRef90_M5RU08 JniRef90_M5RU08 A E V A S T T N E N L L D Y L L K N A A D D N E R A Y L I N N E L D G F R G T J N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I N I R S T T N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I N I R S T T N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I N I R S T T N E N L L T Y Y L L D K Y E D P E I R L F I L N N N F L D G F R G T J N I R S I L T N Y N I L D G F R G T J N I R S I L T N Y N I L D G F R G T J N I R S I L T N Y N I L D G F R G T J N I R S I L T N Y N I L T Y Y L L K T N S D P K F Q A Y U N Q Y L D G F K G T J N I R S I L T N Y N I L E K E T D P T I K K H L V N H F I D Q F K G T J N I R S I L T N Y I L K N E K D A D V R S H L L N H F I D Q F K G T J N I R S I L T N Y I L L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L L K N S R A E K A Y L V N R S L E D L R G T J N I R S I L T N Y I L L K N A K S T V N R S L E D L R G T J N I R S I L T N Y I L L K N A K S D P K K K W I L N Y Y L L R N T T N I R S I L T N Y I L K N A K T K Q E K M Y L L N Y Y L L R N T T N I R S I L T N Y I L K N A K S D P K M K M Y L L N Y Y L L R N Y I L	UniRef90_E3DS05	A EIVIA STILINE NIL L LID Y MILIENA QTKE EKLIYIL IN Y FILEGFRA EIVIA STINE OLI LINHILI NILEK DKNKKI VEILNOOLEOTO	G T
JAIREF90_LP10003680D45	UniRef90_M7EII2	AELASTINENI MTETLLKEAKDDKERFALLNYYLDSEK	G T
JAIREF90_LP10003680D45	UniRef90_M5RU08 UniRef90_UPI000364A338	A E IV A S T F N E QIL L T D Y L L K N A A D D N E R A Y L I N N E L D G I R A E IV A S T T N E N I I I D H M I H I V K E P E K R I V E I N O Y I E O V R	A T T T
JniRef90_U1WY95	UniRef90_K1LV49	AELASTINENLLŢŸŸĹĹDKŸĖDPEĤRĹFĹĹNŇFĹDSĀK	G T
JniRef90_U1WY95		A E I I A S I I N E N L L I E K L L I S E IV K D E K IV R F A I L IN H Y L D G F R A E IV A S T L N E N L L I K Y II I F O T N D N K F K I F II I N Y N I F O F R	G T T T
JniRef90_U1WY95	UniRef90_D8MGY5	AELASTTNESLLTNYLLKTNSDPKFQAYVLNQYLDGFK	G T
JniRef90_U1WY95	UniRef90_I8AKX3 UniRef90_K6DX70	A E IV IA S T IV IN E IV L L I I I Y IL L E K E T D P T II IK K H L V IN H F II D Q F K A E IV IA S T IV IN E IV L L I IN Y II I IK N F K D A D IV IR S H I I IN H F II D O F K	
JRIREF90_D1WY95 JRIREF90_B1QXD4 JRIREF90_E0E3C6 JRIREF90_E0E3C6 JRIREF90_E0E3C6 JRIREF90_G53778 JRIREF90_G53778 JRIREF90_G67LM6 JRIREF90_G67LM6 JRIREF90_G67LM6 JRIREF90_G67LM6 JRIREF90_G85ZZB5 JRIREF90_B9L544 JRIREF90_BPL544 JRIREF90_BPL5	UniRef90_M1VLE8	A E V A S T F N E E L Y S R Y L F R T A N S R A E K A Y L V N R S L E D L R	G T
JniRef90_K0NZJ3 A E A S T T N E N L L T N Y F L D K V T D K K T R A F L L N Y Y L N S F K G T J N E M L L T N Y F L D K V T D K K T R A F L L N Y Y L N S F K G T J N E M L L T N Y F L D K V T D K K T R A F L L N Y Y L N S F K G T J N E M L L F A H L L K Y A D D P R I T A Y L I N L R I D D M L A T J N E M L L S N Y L L K K F T K P E E R A F I A N H Y L D R I K A T J N E M L L S N Y L L K K F T K P E E R A F I A N H Y L D R I K A T J N E M L L S N Y L L K K F T K P E E R A F I A N H Y L D R I K A T J N E M L L T R H L L E T V E D E R F R R H V L D E Y L E R F R S T J N E M L S D Y M L A N A K T R Q E K L Y L G N E L E T I R G T J N E M L L L A N H L L E R S N D P R M R R W V I S Q L L G T Y F H N J N E M L L L N Y M I N E A K D R K E K F Y L V N Q L A E R F R T T		A E IV IA S I IL IN E A IL LIF D S IL IY A K A K I K Q E K M Y IL LIN Q R IL IE N F R A E IV IA S T T N E S IL L I H Y IL I N K E T D E K K K II F II I IN O F II F O II R	+ +
JniRef90_K0NZJ3 A E A S T T N E N L L T N Y F L D K V T D K K T R A F L L N Y Y L N S F K G T J N E M L L T N Y F L D K V T D K K T R A F L L N Y Y L N S F K G T J N E M L L T N Y F L D K V T D K K T R A F L L N Y Y L N S F K G T J N E M L L F A H L L K Y A D D P R I T A Y L I N L R I D D M L A T J N E M L L S N Y L L K K F T K P E E R A F I A N H Y L D R I K A T J N E M L L S N Y L L K K F T K P E E R A F I A N H Y L D R I K A T J N E M L L S N Y L L K K F T K P E E R A F I A N H Y L D R I K A T J N E M L L T R H L L E T V E D E R F R R H V L D E Y L E R F R S T J N E M L S D Y M L A N A K T R Q E K L Y L G N E L E T I R G T J N E M L L L A N H L L E R S N D P R M R R W V I S Q L L G T Y F H N J N E M L L L N Y M I N E A K D R K E K F Y L V N Q L A E R F R T T	UniRef90_D2RPS7	A E V A S T V N E A L L T S H L L E T V D D P E F K K H V L N E F L E R V R	ST
JniRef90_K0NZJ3 A E A S T T N E N L L T N Y F L D K V T D K K T R A F L L N Y Y L N S F K G T J N E M L L T N Y F L D K V T D K K T R A F L L N Y Y L N S F K G T J N E M L L T N Y F L D K V T D K K T R A F L L N Y Y L N S F K G T J N E M L L F A H L L K Y A D D P R I T A Y L I N L R I D D M L A T J N E M L L S N Y L L K K F T K P E E R A F I A N H Y L D R I K A T J N E M L L S N Y L L K K F T K P E E R A F I A N H Y L D R I K A T J N E M L L S N Y L L K K F T K P E E R A F I A N H Y L D R I K A T J N E M L L T R H L L E T V E D E R F R R H V L D E Y L E R F R S T J N E M L S D Y M L A N A K T R Q E K L Y L G N E L E T I R G T J N E M L L L A N H L L E R S N D P R M R R W V I S Q L L G T Y F H N J N E M L L L N Y M I N E A K D R K E K F Y L V N Q L A E R F R T T		A E IV IA S I IV IN E NIL L I K Y IL L K N A K S D E E K IL IY IL L N Y Y IL IE Q F R A E II IA S T T N E NIL L T E T IL L IK E IV K D D K N R F A I I IN H Y IL ID G F K	GT
JniRef90_K0NZJ3 A E A S T T N E N L L T N Y F L D K V T D K K T R A F L L N Y Y L N S F K G T J N E M L L T N Y F L D K V T D K K T R A F L L N Y Y L N S F K G T J N E M L L T N Y F L D K V T D K K T R A F L L N Y Y L N S F K G T J N E M L L F A H L L K Y A D D P R I T A Y L I N L R I D D M L A T J N E M L L S N Y L L K K F T K P E E R A F I A N H Y L D R I K A T J N E M L L S N Y L L K K F T K P E E R A F I A N H Y L D R I K A T J N E M L L S N Y L L K K F T K P E E R A F I A N H Y L D R I K A T J N E M L L T R H L L E T V E D E R F R R H V L D E Y L E R F R S T J N E M L S D Y M L A N A K T R Q E K L Y L G N E L E T I R G T J N E M L L L A N H L L E R S N D P R M R R W V I S Q L L G T Y F H N J N E M L L L N Y M I N E A K D R K E K F Y L V N Q L A E R F R T T	UniRef90_M0H7R0	A E VA S T VN E TL L T E YL L E N V D D D E L R M H V L D E YL E R F R	ST
JniRef90_K0NZJ3 A E	UniRef90_Q67LM6 UniRef90_S5ZZB5	VIEAPS I MNEIVLLIADHII LIKGTDDKRMRRWVI IT QILLIMTYH AEVASTENEEILLIERYMII IKTASDPKMKAYII I ISVIRASDIVI	¬ . —
JNIRE19U_KUNZJ3 A E	UniRef90_B9L544	AEVASTENERLLTHALLERATDARERAALVNDALDTER	ΪÀ
JniRef90_M0D2M5 A E V A S T V N E T L L T H H L L D V V D D E T L R R H V L N Q Y L E R F R S T J N R M S T V N E A L L T R H L L E T V E D E R F R R H V L D E Y L E R F R S T J N R M S T V N E A L L T R H L L E T V E D E R F R R H V L D E Y L E R F R S T J N R M S T V N E A L L T R H L L E T V E D E R F R R H V L D E Y L E R F R S T J N R M S T V N E A L L T R H L L E T V E D E R F R R H V L D E Y L E R F R S T J N R M S T V N E L L L A N H L L E R S N D P R M R R W V I S Q L L G T Y F H N J N R M S T V S M S T V N E V L L I R Y M I N E A K D R K E K F Y L V N Q L A E R F R T T A E V A S T V N E V L L I R Y L I E R A K T E E E K K Y L L N H F I D Q F K G T	UniRef90_K0NZJ3 UniRef90_H9UI73	A E I I A S I I N E N L L I N Y F L D K V T D K K T R A F L L N Y Y L N S F K A E V A S T F N E Q L L F A H I I K Y A D D P R T T A Y I I N T R I D D M T	G T]A T
JNIRE19U_D3QZUU A E A S I N E N L S N Y L K K F T K P E E R A F A N H Y L D R L K A T D JNIRE190_M1XNA0 A E V A S T V N E A L L T R H L L E T V E D E R F R R H V L D E Y L E R F R S T D JNIRE190_UP1000365A11E JNIRE190_UP1000365A11E JNIRE190_UP1000473F41F A E V A S T C N E L L L N Y M N E A K D R K E K F Y L V N Q L A E R F R T T D R R R W V L L N H F I D Q F K G T	UniRef90_M0D2M5	AEVASTUNETLLTHHLLDVVDDETLRRHVLNQYLERFR	ŞŢ
JniRef90_G1Y2D2 A E A S T A N E F L L S D Y M L A N A K T R Q E K L Y L G N E L E T R G T JniRef90_UP1000365A11E A E V A S T C N E L L A N H L L E R S N D P R M R R W V S Q L L G T Y F H N JniRef90_UP1000473F41F A E V A S T V N E V L L R Y L E R A K T E E E K K Y L L N H F D Q F K G T	UniRef90_D3QZU0 UniRef90_M1XNA0	A E II A S T T N E N L S N Y L K K F T K P E E R A F I A N H Y L D R L K K F T K P E E R A F I A N H Y L D R V I F R F R R H V I D F Y I I F R F R	A T S T
Jniket90_UP1000365A11E L E A P S T M N E L L L A N H L L E R S N D P R M R R W V I S Q L L G T Y F H N Jniket90_D7GTZ8	UniRef90_G1Y2D2	AELASTANEFLLSDYMLANAKTRQEKLLYLGNELETUR	ĞŢ
JniRef90_UPI000473F41F A E V A S T V N E V L L I R Y L I E R A K T E E E K K Y L L N H F L D Q F K G T	UniRef90_UPI000365A11E	IL E A P S T M N E IL L L A N H L L E R S N D P R M R R W V I S Q IL L G T Y F A E V A S T C N E IL I I N Y M I N E A K D R K E K E V I V N O II	H N T T
	UniRef90_UPI000473F41F	<u>A E V A S T V N E V L L I R</u> Y L I E R A K T E E E K K Y L L N H F L D Q F K	ĠŤ

QUERY	490 520 VFRQTMFAEFE <mark>HLIHT</mark> KAQEGEPLTPELLTKVYYDLN <u>K</u> KY
UniRef90_UPI000429BE44 UniRef90_UPI00047929C4 UniRef90_J8TVQ5	500 510 520 V F R Q T M F A E F E H L I H V R A A A G E A L T T P E L L T K K Y Y Y D L N K K Y Y V F R Q T M F A E F E G L I H V R A A G G E A L T T P E L L T K K Y Y Y D L N K K K Y V F R Q T M F A E F E G L I H V R A A A G G E A L T P E L L L T K K Y Y Y D L N K K K Y V V F R Q T M F A E F E G L I H K K K A A A A G G E A L T P D L L T K E Y Y Y G L N K K K Y V V F R Q T M F A E F E G L I H E K K A A A A G G E A L T P D L L T T T Y Y T E L L N K K Y Y V F R Q T M F A E F E G L I H E K K A A A D G G E A L T P D D L L T T T Y Y Y E L N K K Y Y V F R Q T M F A E F E K L V H A K K E G G E A L T A D D L L Y R E L N K K Y Y V F R Q T M F A E F E K L V H A K E G G E A L T A A D L T E N Y Y G L N K K Y Y V F R Q T M F A E F E K L V H A K E G G E A L T A A D L T E N Y Y D L N K K Y Y V F R Q T M F A E F E K L V H A K A E T G G E A L T A D L V L S A C Y Y Y D L N K K Y Y V F R Q T M F A E F E K L V H A K A E T G G E A L T A D L V L S A C Y Y Y D L N K K Y Y V F R Q T M F A E F E K L V H A K A E T G G E A L T A D L V L S A C Y Y Y D L N K K Y Y V Y F R Q T M F A E F E K L V H A K A E T G G E A L T A D L V L S A A Y Y Y D L N K K Y Y V Y R Q T M F A E F E K L L Y E K A A E T G G E S L T A D M L S S Q Q Y Y Y Y D L N K K Y Y V Y R Q T M F A E F E K L L Y E K A A E T G G E S L T A D M L S S Q Q Y Y Y Y D L N K K Y Y Y Y R Q T M F A E F E K K L Y H A K Y Q E E S S L T P Q E L N N K K Y Y Y Y Y Y D L N N K K Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y
UniRef90_UPI0003F97038 UniRef90_D3FV19	V F R Q T M F A E F E Q L I H E K A A A G E P L T P D L L E K E Y Y Q L N E K Y V F R Q T M F A E F E Q K I H E L S A D G E A L T P E L L T T T Y Y E L N K K Y
UniRef90_UPI0003655AC7 UniRef90_V6MDL0	V F R Q T M F A E F E H V I H Q K V Q E G H A V T P D M L T D I Y Y E L N K K Y V F R Q T M F A E F E K L V H A K E E A G E P L T A D S L N E I Y R E L N V A Y
UniRef90_W9AJ25 UniRef90_W7CV34 UniRef90_Q67RH1	V
UniRef90_A5USQ7 UniRef90_A1HS44	L FROTMFAEFELEI HRRAETGEPLITTELESTI YRDL VARY VYRQTMFAEFEKLLYEKAEDGETI TADMLDDLWRELNRKY
UniRef90_F4A138 UniRef90_W0EB20	V Y R Q T M F A E F E K L V H D K A E T G E S L T P D M M S S L Y H N L N E K Y L F R Q T M F A E F E Q N T H A W V E H G E A L T A D L L S Q Q Y L K L N Q E Y
UniRef90_UPI0003813775 UniRef90_UPI00047C44CB UniRef90_W8YQI4	V F
UniRef90_UPI00028913BF UniRef90_R3WA27	VRQTMFAEFEYLI HEMDNRGEALTAETMTTAYHELNKRY IFRQTQFAEFEHFII HTEDAKGTPLTSEFLNESYGKLNAKY
UniRef90_S1R7E2 UniRef90_H3NFV6	V F R Q T Q F A E F E H F I H V E D A K G T P L T A E F L N D Y Y G N L N K R Y V F R Q T Q F A E F E H K I H T A A Q E K Q P L T A D F L N K T Y A E I N D K F
UniRef90_D6TI17 UniRef90_R9LCW9 UniRef90_R2NTZ5	L Y
UniRef90_UPI00047E0D7C UniRef90_W2E900	VFRQTMFAEFEKTI HAKAEEGEALTPQVLSQTYYDLNVQY VFRQTMFAEFEKLVHEKAEKGESLTPQE <u>F</u> SKVYYDLNKLY
UniRef90_R2TGS4 UniRef90_R6LK21	
UniRef90_C0D4J9 UniRef90_F4FSV3 UniRef90_U5S7Y6	V F R Q T Q F A E F E Q Y I H E Q D A K G Q P L T A N F M D D Y Y R N L N Q K Y I I F R Q T Q F A E F E H F I H E E A A K G T P L T S E F L N N Y Y G E L N A R Y
UniRef90_C5EGA0 UniRef90_R6EQ63	L F R Q T M F A E F E D M A H K K G A A G E S L T A Q S L C R M Y R Q L N V D Y L F R Q T M F A E F E L L A H E E L E K G G V L T A G W L N D T Y N K L N D L Y
UniRef90_Q5FIA0 UniRef90_G2SWP8	L F R Q T Q F A V F E Q F I H E A D A K G E P L T A D I L D E V Y G Q L N Q H Y V Y R Q T M F A E F E M K S N Q M A E E G E S L N A E N L C K L Y Y E L N Q K Y V F R Q V M F A E F E K I T H E T L E K G D S L T A D D L C S I WH N L N V K Y L Y R Q T M F A E F E L K C S E I C A S G D T L T A D K L C E I Y G D L N K L Y V Y R Q T M F A E F E K E I Y D K S E E G E T L T A D L L D E I W H T L N A K Y I Y R Q C M F A E F E R D I N Q M N A D G V A L N A E V L S E R Y G K L C A E Y
UniRef90_D9SSU9 UniRef90_E6UDH3 UniRef90_T0IJX5	LYROTMFAEFELKCSELCASGDTLTADKLCEI YGDLNKLY VYRQTMFAEFEKEI YDKSEEGETLTADLLDEI WHTLNAKY I YROCMFAEFERDI NOMNADGVALNAEVLSERYGKLCAEY
UniRef90_C8W843 UniRef90_I9L021	I Y R Q C M F A E F E R D I N Q M N A D G V A L N A E V L S E R Y G K L C A E Y V F R Q T Q F A E F E Q W I H E Q D Q A G Q A L T A D R L S K Y Y L Q L N Q R Y
UniRef90_UPI00036FAA9F UniRef90_UPI000219707A	V
UniRef90_UPI00047A2680 UniRef90_R9BV97 UniRef90_R6PZN5	V F R Q T Q F A E F E R D I N Q M N A D G V A L N A E V L S E R Y G K L C A E Y V F R Q T Q F A E F E Q W I H E Q D Q A G Q A L T A D R L S K Y Y L Q L N Q R Y V F R Q T M F A E F E E F I H A S E Q S G K S L T A D F M N K Y Y L K L N Q K Y V F R Q V M F A E F E E F I H A S E Q S G K S L T A D F M N K Y Y L K L N Q K Y V F R Q V M F A E F E E F I H E S I E N G S P L S G D D Y C K I W H E L N V K Y V F R Q L M F A E F E E F T H E S I E K G M S L T A E D Y N K A W H D L N V K Y L F R Q T M F A E F E K I T H E M A E K G E P L T W E G M N K I Y H D L N R L Y L Y R Q T M F A E F E Q L I H E K A S N N E P L T A D L L T K E Y Y A L N Q K Y V F R Q T M F A E F E H K I H T M K E G G E P L T A G V L N E V Y G E L N R K Y F F R Q A M F A D F E I Q V H A R A F F E G G A I T P F W M S G I W R E I N F R C
UniRef90_R6WFR5 UniRef90_R9BYY3	L Y R Q T M F A E Y E L E I N R L A E G G A T L T A D T L C D V Y Y K L N Q K Y V F R Q T M F A E F E Q L I H E K A S N N E P L T A D L L T K E Y Y A L N Q K Y
UniRef90_UPI00037998B5 UniRef90_D4M7P1 UniRef90_B1BAT4	VFRQTMFAEFEHKI HTMKEGGEPLTAGVLNEVYGELNRKY FFRQAMFADFELQVHARAEEGGALTPEWMSGLWRELNERC VFRQVMFAEFEKITHEKIDKGVPLTSEDLCKLYRDLNVKY LIRQTMFAEFELKI HTLAEHGQPLTLDVLRSEYRNLLNIY
UniRef90_UPI00035D01D7 UniRef90_S2ZT97	L IR OT MFAEFELKI HTLAEH GOPL TLDV LRSEYRNLLNIY I YRQCMFAEFERDI NAMNGRGEALNADVLCKRYGELNKLY
UniRef90_S4ZSV8 UniRef90_A5Z991	V F R Q T Q F A E F E H WI H Q Q D Q Q G E P L T D T S M S Q Y Y A D L N A R Y
UniRef90_W4QQI0 UniRef90_E3BU93 UniRef90_UPI0002D2B12B	L F R Q T M F A E F E K I T H E K A E N G E P L N A E V F N E V Y E Q I F R E F L F R Q T Q F A E F E Q F I H E S D A K G E P L T A E I L N Q F Y G D L N Q R Y I V R Q T M F A E Y E K I T H E L A E K N E P L T L E S F R E E Y Q K L L D A Y M F R Q T M F A E F E H K I H Q I E E A G E P L T A T R M N E E Y A A L N R Q Y F T Q V M F A N F E K D T H E L A E A G K P L T A E V F N E V Y E Q L F R E Y Y E Y E Y E Y E Y E Y E Y E Y E Y
UniRef90_E0S147 UniRef90_E8SEM5	MFRQTMFEEFERKT <mark>C</mark> EMAEAGTPLTAESLYEVYLDLNKQY LFRQTMFAEFEHKLHQLEEAGEPLTAT <u>R</u> MNE <u>E</u> YAALNRQY
UniRef90_D3FSR9 UniRef90_F2JN74	FFT QVMFANFEKDTHELLAEAGKPLTAEVFNEVYEQLFREY LYRQTMFAEFELMMHTASQEGKTLTAOYLCDTYYELVKKY
UniRef90_E3DS05 UniRef90_A0A037Z273 UniRef90_M7EII2	V F R Q V M F A E F E K S T H E K L E N G E P L T S E D L C N M W H E L N V K Y V F R Q T Q F A E F E Q A M H E A D A K G Q V L T S Q Y L N E L Y A D L N O A Y
UniRef90_M5RU08 UniRef90_UPI000364A338	V V R Q T M F A E F E K I T H E M A E A G K P L T V A T F R E I Y R E L L V A Y V Y R Q A L F A E F E K L A H A K A E L G E A L T A D A L E T L W T A L N T A Y
UniRef90_K1LV49 UniRef90_UPI00036B0D45 UniRef90_F6B8C9	L VR QT MF A E Y E K L T H E L A E K N E P L T L E S F R E E Y Q K L L D A Y MF R QT MF E E F E R K T C E M A E A G T P L T A E S L Y E V Y L D L N K Q Y L F R Q T MF A E F E H K L H Q L E E A G E P L T A E V F N E V Y E Q L F R E Y L Y R Q T MF A N F E K D T H E L A E A G K P L T A E V F N E V Y E Q L F R E Y L Y R Q T MF A E F E K M H Q N V E N G E S L T S Q S L K T M Y R K L N K K Y V Y R Q T MF A E F E K S T H E K L E N G I P L T S E D L C N I W H E L N V K Y V F R Q T Q F A E F E Q A L H E A D A K G Q V L T S Q Y L N E L Y A D L N Q A Y V Y R Q T M F A E F E K L T H E M A E A G K P L T V A T F R E I Y R E L L V A Y V Y R Q A L F A E F E K L A H A K A E L G E A L T A D A L E T L W T A L N T A Y V F R Q T Q F A E F E H F M H E E D A K G Q V L T A D F L N S L Y A S I N E K Y V F R Q T Q F A E F E H A M Y Q A D Q E G Q V L T A D F L N S L Y A S I N E K Y V F R Q T Q F A E F E K L V H E Q V E Q G V S L T P D L L C E L Y Y D L N K F Y V F R Q T Q F A E F E K I V H E Q V E Q G V S L T A D Q M S T Y Y S E L N Q K Y
UniRef90_I8AKX3	LFTQVMFAEFEKRTHELAQKGQPLNAEVFNSVYEELFQEF
UniRef90_K6DX70 UniRef90_M1VLE8	FFT QVMF A E F E M K T H E M A E K G Q P L NVE V F N Q T Y E Q L F R D Y L F R Q A M F A D F E L R I H R M A E E G H P L T P A T L R Q T Y R T L N E E W
UniRef90_U1WY95 UniRef90_B1QXD4 UniRef90_D2RPS7	L F R Q I Q F A E F E K L I H E K E Q A G E S L N A E A L K K M Y S D M N K K Y V F R Q L M F A E F E L Y T H E T L E K G L P L T S E D Y S K A W H D L N V K Y L Y R Q T L F A E F E H E T H R L E E E G E P L T A D R L D E L Y R G L K E D Y
UniRef90_E0E3C6 UniRef90_Q53778	VÝRÔTLFÁEFEKTSHEKVESGQPMTÁKHETETÝÝDLNKĽÝ I FROTQFAEFE <mark>H</mark> ATHVADQEGQVLTSEYĽNNLYAELNEKY
UniRef90_M0H7R0 UniRef90_Q67LM6	LIFRQTMFADFELLQI HELLAEEDGALTPDRFDELLYGDLKSTY FVRHLLEAELQRRIYAQAEKGVPVTAQLLSETKGAILEQF
UniRef90_S5ZZB5 UniRef90_B9L544 UniRef90_K0NZJ3	L FRQT FAE FEIL T H QAVERGEGL SADGL CELY GRL I SEY VYRQT QFAEFEWFI H K SDQEGQPL TGDYL SNYYDDL NRAY L RQT MFAEFEHLT H QMVENGT PL TLESL RT TYADL QQQY
UniRef90_H9UI73 UniRef90_M0D2M5	L TR Q T M F A E F E H L T H Q M V E N G T P L T L E S L R T T Y A D L Q Q Q Y L F R Q T M F A E F E H E T H R L E E Q G E A L T A D R L D D V Y G G L K E D Y
UniRef90_D3QZU0 UniRef90_M1XNA0 UniRef90_G1Y2D2	LIRQT MF A E F E H E T H R L E E Q G E A L T A D R L D D V Y G G L K E D Y MF R Q S Q F A E F E Q E L H R A D Q N E L V L T A D F L C K T Y G D I N Q K Y L F R Q T M F A D F E H R A H E L D A A G E A L T P D R L D E L Y R G L K S E Y F F R Q T M F A E F E L Q V H D A V E K G E P M S G K R M T E I Y L G L L R K Y F V T H L L E G E L Q R R V Y D L A M K N V P I T A V K L C E L K G E I L S S F L F R Q A L F A E F E W E T Y K L S W N G T P L T K D L L C G L Y H E L N S E Y F F T Q V M F A E F E Q L T H E K A Q K Q E A L N A E V F N E V Y A D L M K Q Y
UniRef90_UPI000365A11E UniRef90_D7GTZ8	FVT HLE GELORRVY DLAMKNOPHT AVKULELKGELLSSF LFRQALFAEFEWETYKLSWNGTPLITKDLLCGLYHELNSEY
UniRef90_UPI000473F41F	FFT QVMFAEFEQLT HEKAQKQEALNAEV FNEVYADLMKQY

	E30	•	540 550 560
QUERY	FGDG <u>M</u> VIDKEI	GLE WSR	I P H F Y Y N Y Y V Y Q Y A T G Y S A A Q A L
UniRef90_UPI000429BE44 UniRef90_UPI00047929C4	F G N D L V I D K E I F G E D I V V D E E I	G L E WS R I	I
UniRef90_0F100047929C4 UniRef90_J8TVQ5	F G E D L V I D E E I	GLEWSRI	PHFYYNFYVYQYATGYSAAAAL
UniRef90_UPI0003F97038	F G A D M T V D D E I	SLEWSRI	I P H F Y M N F Y V Y Q Y A T G Y S A A A A L
UniRef90_D3FV19 UniRef90_UPI0003655AC7	F G E E MV V D E E I F G D S L V I D K E I	G L E WARI	I
UniRef90_V6MDL0	HGPEMVIDKEL	ELEWERI	I P H F Y R H F Y V Y K Y A T G F S A A T S L
UniRef90_W9AJ25 UniRef90_W7CV34	F G D A V V S D E E I Y G S E I V Y D E E I	G L E WARI	I
UniRef90_Q67RH1	Y G F G MIV V ID DIL I	AVF WARI	I <mark>P H F Y S A F Y V Y Q Y A T G I S A A <u>T</u> A L </mark>
UniRef90_A5USQ7	HGSEVALDEQI YGPDIVVDEEI	A L E WARI	I PHFYYNFYVYQYATGLSAALAL
UniRef90_A1HS44 UniRef90_F4A138	Y G P N I V V D D R II	IDII IF WS RII	I PHFYSSFYVYKY ATGFSAATAL
UniRef90_W0EB20 UniRef90_UPI0003813775	Y G P D V V S D S E I F G D D M V I D E E I	ALEWTRI	I PHFYNSFYVYKYATGFSAATAL I PHFYYNYYVYQYATGLSAALAL
UniRef90 UPI00047C44CB	F G A V C A V D K D I		I PHEYTPEYVYKYATGI SAATAL
UniRef90_W8YQI4	YGKGMVVDQDI	E M E W A R I	I PHFYNSFYVYKYATG F SAA <u>T</u> S <u>F</u>
UniRef90_UPI00028913BF UniRef90_R3WA27	F G E D M I V D E E I Y G P A V E E D E E I	G R E W A R I	I
UniRef90_S1R7E2	YGDAVTSDPQI YGD <u>VVVN</u> DE <u>E</u> I	SYEWSRI	I PHFYYNYYVYQYATGFSAASAL
UniRef90_H3NFV6 UniRef90_D6TI17	YGGETFVDDLI	QYEWSRI GIEWGRI	I PHFYMGYYVYQYSTGF <mark>C</mark> AATAL I PHFYSSFYVYQYATGLSASSAL
UniRef90_R9LCW9	H G K D M V V D Q D I	EMEWARI	I
UniRef90_R2NTZ5 UniRef90_UPI00047E0D7C	Y G P I V V N D E E I Y G K D M V V D K D I	K D E WS R I	I PHFYYNYYVYQYATGFSAASAL I PHFYTSFYVYKYATGFSAATSF
UniRef90_W2E900	HGNDMVVDQDI	E M E W A R I	I P H F Y N S F Y V Y K Y A T G F S A A T S F
UniRef90_R2TGS4 UniRef90_R6LK21	Y G P E V M K D P E I Y G P D V V S D D Q I	ALEWARI	I PHFYYNYYVYQYATĞFŠAASÂL I PHFYYNYYVFQYATGYSAAIIAL
UniRef90_C0D4J9	F G P E MV V D P E I Y G D A V I S D P Q I	DYEWERI GLEWSRI	PHFYTPFYVYQYATGFSAAVAI PHFYYNFYVYQYSTGFAAASTL
UniRef90_F4FSV3 UniRef90_U5S7Y6	YGPDVEKDPEI	A L E WT R	I
UniRef90_C5EGA0	F G P E M N V D A Q I F G P A M E D D G Y I	DYEWERI KYEWSRI	I P
UniRef90_R6EQ63 UniRef90_Q5FIA0	YGDSVEPGGDI	ALEWSRI	I P H F Y Y D F Y V Y Q Y A T G F A A A T A L
UniRef90_G2SWP8	F G E D M V S D P Q I F G P D M V V D E E I	AYEWARI	I P H F Y Y N F Y V Y Q Y A T S F S A A V A L
UniRef90_D9SSU9 UniRef90_E6UDH3	F	K ME WARI	I PHFYYNFYVYQY <u>A</u> TGYSAALAL
UniRef90_T0IJX5	Y G P E <u>M V </u> V D T E I	DVEWARI	I PHFYMDFYVYQYVTGYAAATTL
UniRef90_C8W843 UniRef90_I9L021	F G P G I E L D E E I Y G D A V V S D P Q I	KLE WS RI	I PHFYYNYYVYQYATGFAAASTL
UniRef90_UPI00036FAA9F	YGDDMVVDKDI YGDDVVSDPEI		I P H F Y T S F Y V Y K Y A T G F S A A Q S <u>F</u>
UniRef90_UPI000219707A UniRef90_UPI00047A2680	F G K N M V V D K E I		I P H F Y S D F Y V Y Q Y A T G Y S A A N S F
UniRef90_R9BV97 UniRef90_R6PZN5	F G E D M V V D E E I F G D D L V I D E E I	DI EWARI	I PHFYSDFYVYQYATGYAAASAF I PHFYNAFYVYQYATGYSAANAL
UniRef90_R6WFR5	Y G D S <u>M</u> V V D K E I	ALEWARI	I P H F Y M N F Y V Y Q Y A T G F S A A V A L
UniRef90_R9BYY3 UniRef90_UPI00037998B5	F G E D I I I D E E I F G E A V D Y D E Y I	GLE WS RI	I
UniRef90_D4M7P1	YGPDMAPDELL	. WVE WARII	I P H F Y S A F Y V Y K Y <u>V </u> T G F T A A N A F
UniRef90_B1BAT4 UniRef90_UPI00035D01D7	FGKDMIIDKEV FGGALTIDPQL	/	I PHFYSDFYVYQYATGYSAANSF I PHFYHAFYVYKYA <u>TGU</u> SSANAN
UniRef90_S2ZT97	FGPGIVSDKEI	ELEWARI	I PHFYYDFYVYQYSIIGFSAALAL
UniRef90_S4ZSV8 UniRef90_A5Z991	Y G P E V A R D P E I F G E D M V L D E E I	A F E WA R I	
UniRef90_W4QQI0	NGDELVEDDE	/ K Y G WS R I	I <mark>P H</mark> F Y R P F Y V Y K Y A T G Y A S A I <mark>H</mark> I
UniRef90_E3BU93 UniRef90_UPI0002D2B12B	Y G S S V T P G G Q I F G P D F T L D E Q L	A K E WS R I	I PHFYYNFYVYQYATGFAAATAL I PHFYRAFYVYKYATGLSAANAL
UniRef90_E0S147	F G A D MII IS D P QII	IG WE WC RII	I P H F Y Y N F Y V Y Q Y A T S F A A A V A I
UniRef90_E8SEM5 UniRef90_D3FSR9	F G D T V E T D E Y I N G P D M V F D E E V	/ K Y G WS R I	I PHFYMNYYVYQYATGYSAAQSL I PHFYRPFYVYKYATGFAAAI QL
UniRef90_F2JN74	H G P S I E V D A A I	AMEWARI	I
UniRef90_E3DS05 UniRef90_A0A037Z273	FGKALVIDQEL FG <u>K</u> DIVIDKEI	DIEWARI	I PHFYYNFYVYKYATGYSAAAL I PHFYSDFYVYQYATGYAAANS <u>F</u>
UniRef90_M7EII2	Y GIL P K F D N P OIL	OYEWARI	I P H F Y Y N F Y V Y Q Y A T G F A A A S Y L
UniRef90_M5RU08 UniRef90_UPI000364A338	F G P D F V I D E E L Y G N D I I I D P E L Y G P E V N S D S E I	KIEWARI	I PHFYRPFYVYQYATGYAAATTL
UniRef90_K1LV49 UniRef90_UPI00036B0D45	Y G P E V N S D S E I Y G L S A E D N Y F I	A L E WS R I	I PHFYYNYYVFQYATGFSAAAFF I PHFYYNYYVFQYATGFAAA <u>S</u> AL
UniRef90_F6B8C9	Y Q GVT MDDEI Y G P D L F P D E E I	ALEWARI	I
UniRef90_D8MGY5 UniRef90_I8AKX3	Y G P D L F P D E E I	A Y E WT R I	I PHFYYNYYVYQYATGEAAATTL I PHFYRPFYVYKYATGYLSAITHI
UniRef90_K6DX70	QGDTLVFDPEN NGDEMVFDEEN FGDGVCIDEAI	K F G W S R I	I
UniRef90_M1VLE8 UniRef90_U1WY95	F G D G V C I D E A I Y G P S V A D D Q E I	E WELFRI A ME WARI	I PHFYYNFYVYQYATGISAALAL I PHFYYNFYVYQYATSFAASTAL
UniRef90_B1QXD4	F G E D M V V D K E I	DIVIE WS RII	I
UniRef90_D2RPS7 UniRef90_E0E3C6	YEPAVV DDRI YGGSCNVDELV	AREWMR	I PHFYRAFYVY QYATGLSAALAI
UniRef90_Q53778	YGLTKEDNHFI	QYEWARI	I PHFYYNYYVFQYATGFAAANYL
UniRef90_M0H7R0 UniRef90_Q67LM6	YANA ETDDHU WGGEVVIDEGA		
UniRef90_S5ZZB5	FGPEMVFEDVS	DLE GLR	QPHYYMGLYPYTYSAGLTCGTLM IPHFYRAFYVYKYSTGISASMAL VPHFYRAFYVYQYATGLVAATAL IPHFYYDFYVYQYATGFAAATAL IPHFYYDFYVYQYATGFAAATAL
UniRef90_B9L544 UniRef90_K0NZJ3	Y G P D L E V D E E V	/ RHEWSR	V P H F Y R A F Y V Y Q Y A T G L V A A T A L
UniRef90_H9UI73	FGPSVTTEPP	DÎLE ĞÊRÎ	I PHFYRAFYVY KYAT GITS AAVITL
UniRef90_M0D2M5 UniRef90_D3QZU0	YANA AVDDRI YGPSLNFDANI	AKEWINKI	I PHFYRAFYVYQYATGLSAAVAL I PHFYYNFYVYQYATG <u>F</u> AAATA <u>F</u>
UniRef90_M1XNA0	YEPAKIDDRI	AREWMR	I P H F Y R A Y Y V Y Q Y A T G I S A A N A I
UniRef90_G1Y2D2 UniRef90_UPI000365A11E	HGADMQIDPVY WGEDVVIDEHA	(AAEWAFU KIITWMP	I I <mark>P H</mark> F Y R P F YIVIY Q Y A T SII IS A S A Y F
UniRef90_D7GTZ8	YGKETVIDSDI	DHEWER	QPHYYMSLYPYTYAAGLTASTAV IPHFYMQFYVYQYATGF <u>S</u> AA <u>M</u> AI
UniRef90_UPI000473F41F	Y G P S L <u>V </u> A D E E T	KYGWAR	I PHFYRPFYVYKYATGFVSAIDII

	E70 E90 E00	600
QUERY	S S Q I L K E G K P A V D R Y I D F L K A G S S Q Y P I D V L K K A G V D I	MTS
UniRef90_UPI000429BE44 UniRef90_UPI00047929C4	S Q Q I L E E G E P A V K R Y V D F L K A G S S D Y P I E V L K K A G V D I S N Q I L E E G Q P A V D R Y V E F L K A G S S D Y P I E V L K K A G V D I S K Q I L D E G E P A V E R Y L G F L K A G S S D Y P I E V L K Q A G V D I	
UniRef90_J8TVQ5	S N Q I L E E G Q P A V D R Y V E F L K A G S S D Y P I E V L K K A G V D S K Q I L D E G E P A V E R Y L G F L K A G S S D Y P I E V L K Q A G V D I	MTS
UniRef90_UPI0003F97038 UniRef90_D3FV19	S R Q I L E E G K P A V D R Y L A F L Q S G S S D Y P I N L L K K A G V D I S K Q I L E E G E P A V D R Y L S F L K A G S S N F P I E V L K E A G V D I S K Q I L E E G E P A V E R Y I N F L K A G S S D Y P I E V L K K A G V D I S K Q I L E E G E P A V E R Y I N F L K A G S S D Y P I E V L K K A G V D I	M T S
UniRef90_UPI0003655AC7	SKQI LEEGEPAVDRYLSFLKAGSSNFPIEVLKEAGVD	MTS
UniRef90_V6MDL0 UniRef90_W9AJ25	S K Q I L E E G Q P A V E R Y L Q F L K G G S S D F P L N L L K N A G V D A N K I L A E E D G A V D R Y L N F L K A G S S D Y P I E V L K Q A G V D S D R I L H G S A E D I E H Y L A F L K A G S S D F P L E V L K K A G V D I	M T S M T S
UniRef90_W7CV34	ANKILAEEDGAVDRYLNFLKAGSSDYPIEVLKQAGVDSDRILHGSAEDIEHYLAFLKAGSSDFPLEVLKAGVD	MTT
UniRef90_Q67RH1 UniRef90_A5USQ7	S Q Q V L T E G R P A V E R Y L N F L K S G S S D Y S T N L L K Q A G V D I H K R I V Q E G S P A L E R Y L H F L R S G S S R P S I E L L R D A G V D I A E Q I Q R E G E P A Q K R Y I E F L K S G G C D Y S I N I L K R A G V D I	M T S M L S
UniRef90_A1HS44 UniRef90_F4A138	S K QI L D E G E P A V E R Y L G F L K A G S S D Y P I E V L K Q A G V D I S R Q I L E E G K P A V D R Y L A F L Q S G S S D Y P I NL L K K A G V D I S K Q I L E E G E P A V D R Y L S F L K A G S S D Y P I E V L K K A G V D I S K Q I L E E G E P A V D R Y L N F L K A G S S D Y P I E V L K K A G V D I S K Q I L E E G Q P A V D R Y L N F L K A G S S D Y P I E V L K K A G V D I S D R I L A E E D G A V D R Y L N F L K A G S S D Y P I E V L K Q A G V D I S D R I L A E E D G A V D R Y L N F L K A G S S D F P I E V L K Q A G V D I S D R I L A G S A E D I E A Y L A F L K A G S S D Y S T N L L K Q A G V D I S Q Q V L T E G R P A V E R Y L N F L K S G S S D Y S T N L L K Q A G V D I A F Q C G S P A I E R Y L N F L K S G S S D Y S T N L L R D A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G G S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G G S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G G S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G G S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G G S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G G S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G G S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G G S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G G S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G G S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G S S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G S S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G S S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G S S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G S S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G S S D Y P I E L L K K A G V D I S Q Q I L S E G K T A V D R Y I N F L K S G S S D Y P I E L L K K A G V D I S	MSS
UniRef90_W0EB20	ĂRKI LIQEGEPAIVIKRYILISFILISSGSSDYPII IEIL LIRKAGIVIDI	MET
UniRef90_UPI0003813775 UniRef90_UPI00047C44CB	S S Q I L E D G E P A A E R Y I N F L K A G S S A D P I D V L K S A G V D I S Q K I L Q E G E S A V Q K Y I E F L K S G G S D Y P I E L L R R A G V D I	
UniRef90_W8YQI4	A K QIL I IF F G Q P A IV ID R Y II IG F II IK S G G S D F S II IN II I I IK K A G IV ID I	MSS
UniRef90_UPI00028913BF UniRef90_R3WA27	SKQI LQEGDVAVERYI NFLKAGSSDTPI NI LRGAGVDI ADKI VENEPDALEKYLTYLKSGNSDYPI EVMKKAGVDI	
UniRef90_S1R7E2	A K K I I I S K F F N A I I F N Y I I N Y I I K A G N S D Y P I I F I V M K K A G I V I D I	MTK
UniRef90_H3NFV6 UniRef90_D6TI17	A D K I L N E E E G A L D A Y L G Y L K S G S S D Y P I E V M K K A G L D I V Q K I L H E G Q P A V D R Y L N F L S S G S S Q Y S I D L L K N A G V D I	M T N M T Q
UniRef90_R9LCW9 UniRef90_R2NTZ5	VQKI LHEGQPAVDRYLNFLSSGSSQYSIDLLKNAGVDI SKQI LEEGKPAVDRYLGFLKSGGSDYSINI LKKAGVDI AKRI VEGEPDALEKYLTYLKSGSSDYPI EVMKKAGVDI	MSS
UniRef90_UPI00047E0D7C	AKQI LDEGKPAVDRYLLGFLKSGGSDYSI NI LKKAGVDI ASQI LEKGEPAVERYLLGFLKSGGSDYSI NI LKKAGVDI	MSS
UniRef90_W2E900 UniRef90_R2TGS4	AKQI L DEGKPAV DRYL GFL KSGGSDYSI NI LKKAGV DI ASQI LEKGEPAVERYL GFL KSGGSDFSI NI LKKAGV DI ANKI LANEPHALENYL TYLKSGSSDYPI QVMKKAGV DI	MSS MTK
UniRef90_R6LK21	SRKI LAEGKPAVERYLGFLSGG <mark>C</mark> SKTPIDLLKGAGVD SSRI LSGDEAALAGYKKFLQGG <mark>C</mark> SLPPLDLLKLCGVD	MTS
UniRef90_C0D4J9 UniRef90_F4FSV3	S S R I L S G D E A A L A G Y K K F L Q G G C S L P P L D L L K L C G V D I A D G I V N G G Q A N V D K Y L N Y L K S G S S D T P T N V M K K A G V D I	MST MTQ
UniRef90_U5S7Y6	A D K II V IK D E D R A IL ID N Y IL IT Y IL IK S G N S D Y P II IE IV IM K K A G IV ID I	MTE
UniRef90_C5EGA0 UniRef90_R6EQ63	S S R I MK G E E G A L E G Y K K F L S G G C S M T P I E L L K L C G V D I S A K I L E E G E T A R E N Y I K F L K S G S S D Y P V E L L K L A G V D I	M A S
UniRef90_Q5FIA0 UniRef90_G2SWP8	Á N K V V H G Ś E A D R D A Y L G F L K Á G Ś Ś N Y P T E I M K H A G V D I A H G I L E E G A P A V E R Y K K F L S G G C S M S P V D L L K Q V G I N I	M T K M E E
UniRef90_D9SSU9	A H G I L E E G A P A V E R Y K K F L S G G C S M S P V D L L K Q V G I N I A K M I L E E K E G A L E K Y K G F L K S G G S N Y P I E I L K E A G V D I	MTT
UniRef90_E6UDH3 UniRef90_T0IJX5		MST MST
UniRef90_C8W843	A E K ML Q E G T S A Q Q R Y I G F L K S G G A D Y P L T I L K N A G V D S Q R I L S K G E P A V K D Y I G Y L S G G C S K T P I E L L R G A G V D	ΜĀΤ
UniRef90_I9L021 UniRef90_UPI00036FAA9F	AKOLI TODGOPAIVIERYLIGELIKSGGSDYSI INLI TKKAGIVIDI	M T K M S T
UniRef90_UPI000219707A UniRef90_UPI00047A2680	ADRILISGDPEKIVIAAYII INYII IKSGSSKDPII ISII IMKAAGIVIDI	мтк
UniRef90_R9BV97	A K SII L IE G K E D SIVIS K Y II IE F IL IK S G G S D Y P II IE II L IK K A GIVID I	МТТ
UniRef90_R6PZN5 UniRef90_R6WFR5	SRKILLISEGOPAIVIDAYILIDEILISKGDSEYSILIDILLIKGAGIVIDI	M S K M T S
UniRef90_R9BYY3	SKOLI E E GNPAVERYL DEL KAGSSDYPLEVI KKAGVDI	MAS
UniRef90_UPI00037998B5 UniRef90_D4M7P1	S K K V L E E G S G A A E Q Y I N F L K K G D S D Y P I E V L K N A G V D I A S A I L A G E P G A V D R Y L T F L K S G G S D E S L N I L R R A G V D I V K Q I L E S G E E G V K K Y K G F L K A G G S D Y P I N L L K Q A G V D A K K L I E G D K E T Q K D Y L E F L S M G G S K Y P L E Q L K S A G V D I	MTT LTS
UniRef90_B1BAT4 UniRef90_UPI00035D01D7	A S A I L A G E P G A V D R Y L T F L K S G G S D E S L N I L R R A G V D I V K Q I L E S G E E G V K K Y K G F L K A G G S D Y P I N I L K Q A G V D I A K K L I E G D K E T Q K D Y L E F L S M G G S K Y P L E Q L K S A G V D I S Q R I L K E G A P A V R D Y L N Y L S G G C S K P P I E L L R G A G I D I A A G I S S G E P D A A A R Y L D Y L K S G S S K Y A I D T M K T A G V D I	MTT
UniRef90_S2ZT97	S Q R I L K E G A P A V R D Y L N Y L S G G C S K P P I E L L R G A G I D	M A T
UniRef90_S4ZSV8 UniRef90_A5Z991	A A G S S G E P D A A A R Y L D Y L K S G S S K Y A I D T M K T A G V D I S K K M E Q G E A G V K D Y M K F L T G G G S K D P I D L L K L A G V D J	MTK
UniRef90_W4QQI0	ADQLEEGNPDTLEKYETFLKSGSSDYPLELLKATGVD	Ϊġκ
UniRef90_E3BU93 UniRef90_UPI0002D2B12B	A D Q L L E G N P D T L E K Y L T F L K S G S S D Y P L E L L K A T G V D I S N N V V H G D K K Q L E D Y L N F L R S G S S D Y P T E I M K K A G V D A E R V A N G G K A E L D A Y L G F L K G G C S K D P L D L L R D A G V D	M I K M E Q
UniRef90_E0S147	ADRILKEGASAVEQYKKFLSSGCTQDPVSLLKNAGVD	T T
UniRef90_E8SEM5 UniRef90_D3FSR9	S H Q I L T E G A P A V E R Y I N F L K K G S S N Y P I E I L K N A G V D A N G L L E N K E G A K E A Y L E F L Q S G S S D Y P L E L L K K A G V D I	L T T
UniRef90_F2JN74 UniRef90_E3DS05	SERILKEGTEAVKDYKAFLSGGSSKDPIDLLKIAGVD AEKIKNQGPEAAANYLEFLKAGGSDYPLNILKKAGVNI	MST MFK
UniRef90_A0A037Z273	S K K I ME Q G E A G V K D Y M K F L T G G G S K D P I D L L K L A G V D A D Q L L E G N P D T L E K Y L T F L K S G S S D Y P L E L L K A T G V D S N N V V H G D K K Q L E D Y L N F L R S G S S D Y P L E L L K A A G V D A E R V A N G G K A E L D A Y L G F L K G G C S K D P L D L L R D A G V D S N Y P L E I L K N A G V D D S H Q I L T E G A P A V E R Y I N F L K K G S S N Y P I E I L K N A G V D S H Q I L T E G A P A V E R Y I N F L K K G S S S D Y P L E L L K K A G V D S E R I L K E G T E A V K D Y K A F L S G G S S K D P I D L L K I A G V D S E R I L K E G T E A V K D Y K A F L S G G S S D Y P L N I L K K A G V D A A K I L N G E D K A L E K Y L G F L K S G G S D Y P L N I L K K A G V D S R R V L E G G K Q E L D D Y L R F L S G G C S K D P L D L L R D A G V D S R R V L E G G K Q E L D D Y L R F L S G G C S K D P L D L L R D A G V D S R R V L E G G K Q E L D D Y L R F L S G G S S D Y P L D L L R D A G V D A E K I V H G S A E D K E K Y L G F L K S G G S D Y S I N L L R Q A G V D A C K K I I N G S A E D K E K Y L G Y L K S G G S D Y P L E V I A K A G V D A C K I I N G S A E D K E K Y L D Y L K S G S S D Y P L E V I A K A G V D A C K I I N G S A E D K E K Y L D Y L K S G S S D Y P L E V I K A G G V D A C R I I N G S A E D K E K Y L D Y L K A G S S D Y P L E V M K K A G V D A C R I I N G S A E D K E K Y L D Y L K A G S S D Y P L E V M K K A G V D A C R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E D Y E D Y K A Y L K A G S S D Y P L N I L K A G V D D A C R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K A G S S D Y P L N I L K A G V D D A C R I I I K C A G V D D A C A C R I I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K N D G A E R I I K A G G S S D Y P L N I I L K A G V D D A C A C R I I I K N D G A T I I K N D G A T I	MTT
UniRef90_M7EII2 UniRef90_M5RU08	SRRVLEGGKQELDDYLRFLSGGCSKDPLDLLRDAGVD	M T Q
UniRef90_UPI000364A338 UniRef90_K1LV49	A E QL QT E G P A QK R Y L Q Y L Q S G G S D Y S I N L L R Q A G V N I A K K L H S G D O E A L E R Y K G E L K S G D S K Y A V D T M K D A C L D I	MTT
UniRef90_UPI00036B0D45	ADKI INGSAEDKEKYLDYLKAGSSDYPLEVMKKAGVDI	MAK
UniRef90_F6B8C9 UniRef90_D8MGY5	ANGILII GGQEALIARYLIEFILIAS GGKDYPII ELLIRQAGIVIDI AERII I KNDGA — EDYKAYLIKAGS SDYPII NIVI I I KAGIVIDI	MAT MSO
UniRef90_I8AKX3	ATRILLIAGDQETLIKTYLTFLIKSGSSDYPI ELLIKKTGVDI	ĹŢŜ
UniRef90_K6DX70 UniRef90_M1VLE8	A F RV LS G G T A E R D A Y F A F L R A G S S V D P II D A L R L A G V D	MTS
UniRef90_U1WY95 UniRef90_B1QXD4	A K Q V Q K E G R P A V E R I R D F L S A G N S A A P I D I L K A A G V D A K S I I E G K E N A V E K Y K G E I K A G G S D Y P I N I I K T A G V D I	M S T M T T
UniRef90_D2RPS7	A N K I L N G E D K A L E K Y L G F L K S G G S D Y P I N I L K K A G V D D A E K I V H G N Q A D K A R Y L D Y L K A G S S A Y P L E V I A K A G V D D S R R V L E G G K Q E L D D Y L R F L S G G G S D Y S I N L L R D A G G V D D A E Q L Q T E G P I A Q K R Y L Q Y L Q S G G S D Y S I N L L R Q A G V D D A K K I H S G D Q E A L E R Y K G F L K S G D S K Y A V D T M K K A A G V D D A K K I I N G S A E D K E K Y L D Y L K A G S S D Y P L E V M K K A A G V D D A D K I I N G S A E D K E K Y L D Y L K A G S S D Y P L E V M K K A G G V D D A D K I I N G S A E D K E K Y L D Y L K A G S S D Y P L E L L K K T G V D D A D K I I N D G A E D Y K A Y L K A G S S D Y P L E L L K K T G V D D A D K I I L K G D Q E T L K S Y L E F L K S G S S D Y P L E L L K K T G V D D A T N L L A G D Q E T L K S Y L E F L K S G S S D Y P L E L L K K T G V D D A T N L L E G D K E T L H S Y L E F L K S G S S D Y P L D A L R L A G G V D D A A K S I L E G K E N A V E K Y K G F L K A G G S D Y P L D L L K A A G G V D D A K S I L P N G A D A A E R V L S G G S D Y P L D Q L R H A G G V D S N M I L N E E E E A V P R Y I E F L K A G G S E Y P L D Q L R H A A G V D S N M I L N E E E G C S A A D Y E A F L K A G G S S E Y P L D Q L R H A A G V D S N M I L N E E E G C S A A D Y E K F L K S G G S R Y P I E S L R V A G V D A C R R V L A G D E A A Q Q R Y L A F L A A G S S K D S L D L L R R D A G V D A A R A V L A G D E A A Q Q R Y L A F L A A G S S K D S L D L L R R D A G V D A A R A V L A G D E A A Q Q R Y L A F L A A G S S K D S L D L L R R D A G V D A R R A V L A G D E A A Q Q R Y L A F L A A G S S K D S L D L L R R D A R R A V L A G D E A A Q Q R Y L A F L A A G S S K D S L D L L R R D A R R A V L A G D E A A Q Q R Y L A F L A A G S S K D S L D L L R R D A R R A V L A G D E A A Q Q R Y L A F L A A G S S K D S L D L L L R R D A R R A V L A G D E A A Q Q R Y L A F L A A G S S K D S L D L L L R R D A G V D D A R R A G V D D D C L A R R A G S S K D S L D L L L R R D A G V D D D C L A R R A G V D D D C L A R R A G V D D D C L A R R A G S S K D S L D L L L R	MST
UniRef90_E0E3C6 UniRef90_Q53778	SNMILLINE EEAVIPRYII EFILIRSGGSEYPILIDQILIRHAGIVIDI AERII VINGNPEDKEAYILINYILIKAGNSDYPILINIVI AKAGIVIDI	M E D M T S
UniRef90_M0H7R0	VERI REEGESAAADYRDALALGGGSEYPLDVLQTAGVD	MTS
UniRef90_Q67LM6 UniRef90_S5ZZB5	A G K I N E E G Q P A A E Q W V E V L K L I G G S L P P M E L MA R A G V D I A E R V C S G G S R Y P I E S L R V A G V D I	MSS
UniRef90_B9L544	ARAVLAGDEAAQQRYLAFLAAGSSKDSLDLLRDAGVD	LTT
UniRef90_K0NZJ3 UniRef90_H9UI73	ARRIVLDGTPGALDSYYTFLRSGGSRFPLDSLAAAGAD	MRQ
UniRef90_M0D2M5 UniRef90_D3QZU0	A Q G I L E E G E P A A E R Y R E F L A S G S R E Y P L E L E S A G V D D A T A I I N E G D A A V K R Y I G F I S S G S S K D P I F T I O A A G V D D	M T S M T T
UniRef90_D3Q200 UniRef90_M1XNA0	A D K I I N G S A E D K E K Y L D Y L K A G S S D Y P L E V M K K A G V D A N G I L T G G Q E A L A R Y L E F L A S G G K D Y P L E L L K K T G V D A E R I I K N D G A L A R Y L E F L K S G S S D Y P L E L L K K T G V D A T R L L A G D Q E T L K T Y L T F L K S G S S D Y P L E L L K K T G V D A T R L L A G D Q E T L K T Y L T F L K S G S S D Y P L E L L K K T G V D A T N I L E G D K E T L H S Y L E F L K S G S S D Y P L D A L R A G V D D A K G V Q K E G R P A V E R L R D A Y F A F L R A G S S V D P I D L L K K T A G V D D A K G V D D L S A G M S A A P I D I L K K T A G V D D A K S I L E G K E N A V E K Y K G F L K A G G S S D Y P L D Q L R H A A G V D D A K S I L E G K E N A V E K Y K G F L K A G G S S E Y P L D Q L R H A A G V D D S N M I L N E G A D A A E D Y L E F L R R G G S E Y P L D Q L R H A G G V D D A A C C S S C C Y P L D Q L R C A G G V D D A C C S C C S C C S C C S C C C S C C C S C C C S C C C S C C C C S C C C S C C C C S C C C S C C C C S C C C C S C C C C S C C C S C C C C S C C C C S C C C C S C C C C S C C C C S C C C C S C C C C S C C C C S C C C C S C C C C S C C C C S C	MST
UniRef90_G1Y2D2 UniRef90_UPI000365A11E	I E KJI K D G G P A A K D I Y L A AL K A G G S D Y P V N V L R K A G L D I A K L I R E E G Q P A V D R W L E V L K A G G S M S P L E L M K L A G V D I	M A S M S O
UniRef90_D7GTZ8	ARRI LAGOPETKEGYERELKGG <mark>C</mark> SRTPVELLKVGLD	MĚĚ
UniRef90_UPI000473F41F	A D K L I K K E K G I K E A Y L Q F L R S G S S D Y P L E L L K A T N V D I	∟∟∖K

QUERY	G10 P E P I E A A C K V F E E E T L L D E M E G Q D D D E M M S K K K K K K K K K K K K K K K K K
UniRef90_UPI000429BE44	PEPIENALKVFESILDEMESLL SAPIEFACKVEFEKINEMEELIEKVN
UniRef90_J8TVQ5	S É PI E Q À L'À V F E E T L T E M E K L L D K V E
UniRef90_UPI0003F97038 UniRef90_D3FV19	KEPI EEALRIFEETIDEMERILK
UniRef90_UPI0003655AC7	SEPVKEAMQVFEEKLNELEALL
UniRef90_W9AJ25	K Q PI L D A L D V F E E K L N E M E E L L S Q
UniRef90_W7CV34 UniRef90_Q67RH1	S K P V T D A L K V F E Q R L N E L E E L V K P E P I Q Q A L D V F A R L L D Q M E Q L I
UniRef90_A5USQ7	PAPIQAAMDH SALLDELERMT
UniRef90_F4A138	PKPVEAALKVFAGLLDQMESMI
UniRef90_W0EB20 UniRef90_UPI0003813775	A D A I I E S A C K IV IF E K S L IE E M E K L L
UniRef90_UPI00047C44CB	PEPUEQAMSVEESVUSQUEEUTASAK
UniRef90_UPI00028913BF	AQPIQEAFDLFEERLAELETLLTK
UniRef90_R3VVA27 UniRef90_S1R7E2	A D Y L K E A M Q V F A Q R L D E L E A L V S E L E K
UniRef90_H3NFV6 UniRef90_D6TI17	K D Y L Q R A M D V F E Q R L N Q L E E V V K E L K
UniRef90_R9LCW9	P Q P I R E A M S V F E N V I E Q M E Q L T
UniRef90_UPI00047E0D7C	PEPIRQAMSVFQGLIEQMEQLTAK
UniRef90_W2E900 UniRef90_R2TGS4	PEPII KQSMDIVIFKSVVEQMEQILITK PQYII EDAMKIVIFESRILIGEILEEIL VIATILIEQ
UniRef90_R6LK21	PEPVNTALELEGKLLDEMEELMQ
UniRef90_F4FSV3	PEYLEKAFQIFEQRLDEFERLYNK
UniRef90_U5S7Y6 UniRef90_C5EGA0	T R P V D E A L A F F G E L L D E F E G L .
UniRef90_R6EQ63 UniRef90_Q5FIA0	P Q P V K M A M E T F K N L V D E L E K M L P D Y I E D A F K T F F K R I A F F F S I I F K
UniRef90_G2SWP8	PKPIQDALDVFGKVLDEIETLI
UniRef90_E6UDH3	T K P V T D A L A L F G D L I K Q M D E L
UniRef90_T0IJX5 UniRef90_C8W843	S Q P V E L T L A K F S A M L D E L E L L L S K P D P V N A A L K Y F G E L V D Q L E Q E L N
UniRef90_I9L021	P D Y L D D A F K V F A E R L D E F E Q L V
UniRef90_UPI000219707A	PDYLNQAFDKFERRLNELEKML
UniRef90_R9BV97	S Q P L E A T V E R F N E L L D M L D K E L N
UniRef90_R6PZN5 UniRef90_R6WFR5	P D Y L N Q A F D K F E R R L N E L E K M L P K P L E D T I D T F N K L L D M L E S Q P L E A T V E R F N E L L D M L D K E I N K D A V E N A M A V F E S L L D E M E K F P K P V D D A L D L F E Q L I D E F E A L V K K T P I E E A C K V F E E K L N E M E S L L N E L Q A E P V E N A M K V F E K Q L D Q F E A L V A E L E E R E P F D R T M K L F Q E R L E E G E R P K P I Q D T I N R F N E L D M L E P Q P I Q T A M N H L G E R V S Q L K E L L K P E P I N A A L A S F A D L V K Q L E K E L P D Y I E A A F S V F E Q R I T E I E K I L Q K
UniRef90_R9BYY3	KTPIEEACKVFEEKULNEMESLLNELQ
UniRef90_D4M7P1	REPFDRIMKLFQERLEEGER
UniRef90_UPI00035D01D7	PQPIQTAMNHLGERVSQLKELLK
UniRef90_S2ZT97 UniRef90_S4ZSV8	PEPINAALASFADLVKQLEKEL PDYLEAAFSVFEQRLTELEKILQK_
UniRef90_A5Z991 UniRef90_W4QQI0	KEPI EKALELFKELLDQMEQSFLSLDTN
UniRef90_E3BU93	ADYLENAFATFEKRLNEFESLIGK
UniRef90_UPI0002D2B12B UniRef90_E0S147	PEPVNQAFERFGRLVDELEKTMSEV KAPIDAALNVFGEAIITEMEEIMK
UniRef90_E8SEM5 UniRef90_D3FSR9	A D Y L E N A F A T F E K R L N E F E S L I G K P E P V N Q A F E R F G R L V D E L E K T M S E V K A P I D A A L N V F G E A I T E M E E I M K P G P I E D A C K V F E Q K L D A F E K L M K S E P I E K A L A F F T E L V D E F E
UniRef90_F2JN74	SAPILIAKAILIFIVIFINSILILI IQFKO
UniRef90_E3DS05 UniRef90_A0A037Z273	PAVI ENSTAKFKKŸLKQLQDLI SKPI EDTLKRFDELLNMME
UniRef90_M7EII2 UniRef90_M5RU08	A D Y L E G A F Q V F A K R L E E L E S L V K Q P E P V A T T L E R F R T L T E E L D Q L I P K P L E L T L E K F S K R L D E L E T F L L K
UniRef90_UPI000364A338 UniRef90_K1LV49	PEPVATTLERFRTLTEELDQLI PKPLETTLEKFSKRLDELETFLLK ADYI QATLDLFEERLDEFESLLEK EDYLNDAFKVFEARLTELESLVEK
UniRef90_UPI00036B0D45	ADYIQATLDLFEERLDEFESLLEK EDYLNDAFKVFEARLTELESLVEK PKPIEDCLKSFAENLQLATKLV
UniRef90_F6B8C9 UniRef90_D8MGY5	ADYILIK QAEDIVIEET RILIN QILIESILLI
UniRef90_I8AKX3 UniRef90_K6DX70	E E P I K S A M K K F S E L V E E F S K L P Y P I E N S L K R F G E L V E E F
UniRef90_M1VLE8 UniRef90_U1WY95	P F PIVIO A AII IR R F G AII VID FII ID OII IT
UniRef90_B1QXD4	SKPII IEATII INRFNEILLIDMII ID
UniRef90_D2RPS7 UniRef90_E0E3C6	S D P I D R A L E T Y G Q R L E E M E A L M E K S A V D G A L K V F A D L V D E L E A L I S K A D Y L D A A F R V F E E R L V E L E N L V A K
UniRef90_Q53778 UniRef90_M0H7R0	ADYLDAAFRVFEERLVELENLVAK PEPIEDA <u>MGVY</u> ESFLDE <u>A</u> AT <u>LL</u> D
UniRef90_Q67LM6	PEPIEDAMGVYESFLDEAATLLD PEPIRKALAYVGSLIDELEA PEPVQAACONFAKLVDELEKVLEELKK
UniRef90_S5ZZB5 UniRef90_B9L544	PEPYII IAAFATMEQDII VITII IEEAII ITQII I
UniRef90_K0NZJ3 UniRef90_H9UI73	P D Y L E D A F K L F E E R L D E F E K L M T E L P E P V A T A L Q E F S G L I E Q L E S A L Q Q
UniRef90_M0D2M5 UniRef90_D3QZU0	S D P II IQ S A II ID T Y D F F II ID F F F D II I I
UniRef90_M1XNA0	S E P V E A A I D A Y D A M V S E F A S L T
UniRef90_G1Y2D2 UniRef90_UPI000365A11E	PAPYQALVRRMDAVITEMERLLD PDPIRSAAAYVGSLIDELEGL PEVVNEAVKVFKDLLDEMEEL
UniRef90_D7GTZ8 UniRef90_UPI000473F41F	PEVVNEAVKVFKDLLDEMEEL PDAIANAMSVFAELVKQLTK

	1 10	20	30 40
UniRef90_UPI00034C46E8 UniRef90_UPI0003647926		-	N S Y V S R K D V P E H E T E R N A V E N K F K
UniRef90_E5V2I1			$RKD\overline{Q}K\overline{V}ENT$
UniRef90_B9DWG9 UniRef90_Q65NS9		ΕKV	S Q T E E K Y T A E K <u>R P</u> K R <mark>C</mark> E V P <u>E</u> E <u>L</u> T
UniRef90_D1AV22 UniRef90_R5HDL6			A E K R P K R C E V P E E L T E K L L K R S E V D N K T K R N E I D D K Y K
UniRef90_M8EB20		AAAEK	A P V Y K D R S E I P D A Y K
UniRef90_R6R406 UniRef90_C7HWD4			DRKDII IDKSILIK
UniRef90_I5B737 UniRef90_UPI0003786070			RKEVLQSD <mark>C</mark> AKRTPLRSEVAMEET SKIMTRSEVPVSST
UniRef90_UPI0003601793 UniRef90_E6U0B6			A K R T PLR S E V A M E E T S K I M T R S E V P V S S T S I E L T K R S D V K T E E T
UniRef90_V5WJ49			V N P T R A R K D V P A H F K
UniRef90_R5FV46 UniRef90_B2GEM0		Т	KVLERKKVNDRYK NTRLLARDEVPTELT ERKDLLDKYK
UniRef90_R5J8I7 UniRef90_S5ZNV4			E R K D L L D K Y K Y E
UniRef90_R5YF43		FAMLQNGK	NRENIDNKYK
UniRef90_I7A450 UniRef90_R5VML6	MKAKVFLTLIMV	F A MILIQN G K	K R C E V K E N A K
UniRef90_A0A017PLC5 UniRef90_S7J2T1		MSTELK	T T V A P R N T V P P E D C N R S I P L R K D V P I A D C
UniRef90_R5MVT6 UniRef90_U7PGI1			ERSQINKEDT SQGLPLRKDIPKQEK
UniRef90_UPI0001E898F9		E	SPTYKSRAD I PA <u>E</u> YK
UniRef90_S5YAH9 UniRef90_M1E9G0	LPLF Q P A L LR A K D A	GLADAA	DLGKLPD TEILERNKIDSTYK
UniRef90_D7WNX5 UniRef90_UPI0002D82E86			KVLPLRKDVAVEQT QRLQRQDVPVEQT
UniRef90_C7JD92 UniRef90_I4YTP9			P R
UniRef90_UPI00047582BE			DLP R
UniRef90_C3WGK0 UniRef90_R7M5A3			MKDRKTIEQKYK NREKIEE <mark>C</mark> YK
UniRef90_UPI000407450D UniRef90_B0UMQ5			T E L Q N R T D V D V N Y T D L G P L P E
UniRef90_W0J2L8			DRAQI ADEYK
UniRef90_UPI0002E9D122 UniRef90_M7NFQ7			E E L K S R S Q V E E K H T R S E V K L E E T
UniRef90_F0LCR3 UniRef90_W8ACT7			TLTHRQEIPLEET
UniRef90_B9EBZ0 UniRef90_R5X9Y4	N <mark>C L L</mark> D [N N Y K S V R	SIIDDKNNK	L P S R S E V N A S E T E N K E D E E T K S N Y K Y T
UniRef90_D7A5A1			
UniRef90_UPI00039BFB21 UniRef90_T3G003	QKNNDR	$\begin{array}{c} NESS \\ A \overline{\coprod} T MNNNDT \end{array}$	NLEI PLRSEI DSKYK EDDAEKKQEI DYEKT
UniRef90_UPI000477CAB8 UniRef90_I7L4K4			A D L G A L P E L K R S E V P V N L T R E N L D S K Y K
UniRef90_R5MTB4 UniRef90_M9R3H1			RENLDSKYK PE
UniRef90_A8MM51			KVLKERKDVEEPLT SQGLPLREDVPVSET
UniRef90_I0C490 UniRef90_R5RFN6			E R K D I D I K D T
UniRef90_W6RZJ1 UniRef90_UPI000317F473			SKALKERKDVEEALT TEKLATRAEVPDELK AEELLSRKDVKKELT
UniRef90_R7BHQ1 UniRef90_L0A7H5			A E E L L S R K D V K K E L T T T V I P K R A F I D V R T T
UniRef90_B6JC09 UniRef90_V9G8N5		SMSAKSV	TTVLPKRAELDVRTT AAKKSPSAKTPKLPE KMLKRSEVPVEST SQKLPHRSEVARVET
UniRef90_E8SH03			SQKLPHRSEVARVET
UniRef90_A0A023D6Z2 UniRef90_UPI000225AEEA			R
UniRef90_M2P8J2 UniRef90_U2JSU5			ERNEVELQYK QQMMKRHEVPLELT MKERTEVPVEQT
UniRef90_D0BLF9 UniRef90_B6ITZ6			MKERTEVPVEQT
UniRef90_Q5LTK1			K E L G N L P E N D P A E H V V
UniRef90_A0LFN0 UniRef90_X0QB14			
UniRef90_V7I0Z4 UniRef90_Q1WVT7			L P K R K E V P K E L T L P K R S E V S V N E T
UniRef90_A8ILX1 UniRef90_R4Z4N1			PÉ
UniRef90_U4THU8		MTEPTA	L P R R D E V P E R Y T
UniRef90_N1ZSR9 UniRef90_B9Y5Y3			LPNRKDVASELT ERKEIRIEDT MKKRSEVDLKET
UniRef90_F0GVC0 UniRef90_U1FYE7			MKKRSEVDLKET SLPFRNEVPSEEQ
UniRef90_V4JAH9 UniRef90_UPI0002E1E755			
UniRef90_D7N8V2		MOETA	EALKNRSEIDESLK
UniRef90_C5FA95 UniRef90_UPI00036EFE1A		MSETA	LPKRQEVDPKLT
UniRef90_A9NG69 UniRef90_UPI00046D937E			K QLP K R S E I D I K H T D L P R
UniRef90_UPI000379E50F UniRef90_M1P818			S E QLP K R S DVP VELT
UniRef90_UPI0003675C6F			
UniRef90_B5EI50 UniRef90_UPI0003900352			MQSDLN
J			

UniRef90_UPI00034C46E8 UniRef90_UPI0003647926 UniRef90_ESV2I1 UniRef90_B9DWG9 UniRef90_Q65NS9 UniRef90_D1AV22 UniRef90_R5HDL6 UniRef90_R6R406 UniRef90_R6R406 UniRef90_ISB737 UniRef90_UPI0003786070 UniRef90_UPI0003786070 UniRef90_UPI0003601793 UniRef90_UPI0003601793 UniRef90_UPI0003601793 UniRef90_UPI0003601793 UniRef90_UPI0003601793 UniRef90_R5FV46 UniRef90_R5FV46 UniRef90_R5SJR7 UniRef90_R5J8I7 UniRef90_R5J8I7 UniRef90_R5Y49 UniRef90_R5Y49 UniRef90_R5Y406 UniRef90_R5Y410 UniRef90_R5WL6 UniRef90_T7A450 UniRef90_T7A450 UniRef90_T7A450 UniRef90_T7A450 UniRef90_T7M50 UniRef90_UPI0001E898F9 UniRef90_UPI0001E898F9 UniRef90_UPI0001E898F9 UniRef90_UPI0002D82E86 UniRef90_UPI0002D82E86 UniRef90_UPI00047450D UniRef90_UPI0004750D UniRef90_UPI0004	### STORES
UniRef90_A0LFN0 UniRef90_X0QB14 UniRef90_V7I0Z4 UniRef90_Q1WVT7 UniRef90_A8ILX1 UniRef90_R4Z4N1 UniRef90_U4THU8 UniRef90_N1ZSR9 UniRef90_B9Y5Y3 UniRef90_F0GVC0 UniRef90_U1FYE7 UniRef90_U1FYE7 UniRef90_V4JAH9	WNLNDLYPDAPAMEQDRQSANDLAVQFAARYRGKALSPEE WDVTAIYADDSDFYTDLEVAKTLTQEFVANYQGKLNSATK WDLTAIYPDKKAWKADMVAVRELVTQFQNNYRSKLTEAKI WNLADLYAGMDDIATDLAEADALSKAFEADYAAAADAGAQ WELDDLLDGTTTDDLMARAAKVTDEVAAARGTVGDDAAG WDLTALYPTEDDFKKALQEFAEETKKFGAATQGKITDAAS WDLTALYPTEDDFKKALQEFAEETKKFGAATQGKITDAAS WDLTPLYPNDKAWAKDLTVLKQLSEITQAQGHITESRES WKIEDMYANDEIFYKEIENVKKKALDFSNNYKKI DSKEK WDITDLFISDEAFYTQLTETTKQAQQFRANFDTQI TVDK WRLSDLYPDSKLLKDDRTWCETEATAIHDEFRGRVKTLEA
UniRef90_UPI0002E1E755 UniRef90_D7N8V2 UniRef90_C5FA95 UniRef90_UPI00036EFE1A UniRef90_A9NG69 UniRef90_UPI000379E50F UniRef90_UPI000379E50F UniRef90_UPI0003675C6F UniRef90_UPI0003875C6F UniRef90_UPI0003900352	WDLSRIFKSEDEYNTKLNEMIKLSDELVKFKGNIKNS ED WDLTPIFADEFAYTEAILKQVRALTKDFVHLYQGKLTEPAILWDLTPIFADEFAYTEAILKQVRALTKDFVHLYQGKLTEPAILWDLAPLLDGDELLTEARQRAESFAGRHAGRVGEL DGPGWDVHSIYKDDQAFNQTFDTLEGLVKEFVVKYEKRLTDAHIWDLNHLYADDPALEADIEAIEPAALRFEAWRGRVGEGAPDWNLADLYQSMEDFDADKQKVETLIQQFVMHYKDHLTDAEDWNLDALYDSLEDDLLQDDLIQEAELIREGCAGKKESPATWDLEVFFAGGSSSASFAEELEQLSREIGQLQTETAETGETWDTTPLYPSAPELARAFEEGTGQVAAFREYRGKVAEDAEG

```
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_E5V211
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
 UniRef90_E6U0B6
UniRef90_V5WJ49
 UniRef90_R5FV46
UniRef90_B2GEM0
 UniRef90_R5J8I7
UniRef90_S5ZNV4
 UniRef90_R5YF43
UniRef90_I7A450
UniRef9U_R5YF4.3
UniRef9U_R5YF4.3
UniRef90_R5VML6
UniRef90_R5VML6
UniRef90_S7J2T1
UniRef90_S7J2T1
UniRef90_UPI0001E898F9
UniRef90_UPI0001E898F9
UniRef90_M1E9G0
UniRef90_M1E9G0
UniRef90_UPI0002D82E86
UniRef90_UPI0002D82E86
UniRef90_UPI00047582BE
UniRef90_UPI00047582BE
UniRef90_UPI00047582BE
UniRef90_UPI00047582BE
UniRef90_UPI00047580
UniRef90_UPI000407450D
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
UniRef90_WJ2L8
 UniRef90_R5X9Y4
UniRef90_D7A5A1
 UniRef90_UPI00039BFB21
UniRef90_T3G003
 UniRef90_UPI000477CAB8
UniRef90_I7L4K4
 UniRef90_R5MTB4
UniRef90_M9R3H1
   UniRef90 A8MM51
   UniRef90_I0C490
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_Y9G8N5
UniRef90_Y9G8N5
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_A0LFN0
UniRef90_B6ITZ6
UniRef90_B6ITZ6
UniRef90_B0LFN0
UniRef90_A0LFN0
UniRef90_A0LFN0
UniRef90_A0LFN0
UniRef90_A0LFN0
UniRef90_A1EN0
UniRef90_A1EN0
UniRef90_A1EN0
UniRef90_A1EN0
UniRef90_A1EN0
UniRef90_A1EN0
UniRef90_B8IEX1
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
IlbiRef90_B9COCO
   UniRef90_R5RFN6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EVIETKLS WLSHYAFLQQASDMTD
ETIYQKLSWIEHYAFLPQTTDMTN
EAIDDLMGRVASFGSLVYAGDTAD
GKLYGMQDHLDTYAYLPQATDMTN
EKVEQKASLIEHYAFLHQASDMTD
EKVEQKASLIEHYAFLHQASDMTD
EKVEQKASLIEHYAFLHQASDMTD
EKVEQKASLIEHYAFLHQASDMTD
EKVEQKASLIEHYAFLHQASDMTD
EKVEQKASLIEHYAFLHQASDMTD
EKVEQKASLIEHYAFLHQASDMTD
EKVEQKASLIEHYAFLHQASDMTD
EKVEQKASLIEHYAFLHQASDMTD
EKVEQKASLIEHYAFLHQASDMTD
EKVEQKASLIEHYAFLHQASDMTD
EKVEQKASLIEHYAFLHQASDMTD
EKVEQKASLIEHYAFLTD
EKVEQKASTASLIEHYAFLTD
EKVEQKASTASLIEHYAFLTD
EKVEQKASLIEHYAFLTD
EKVEQKASTASLIEHYAFLTD
EKVEQKAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      F N Q L L R
Y N Q M L V
R A K F F S
R G A L M A
L Y R A K F F S
R A L G K
M A K R Y S
M A K R Y S
M A K R Y S
M A K R Y S
M A K R Y S
M A K R Y S
M A K R Y S
M A K R Y S
M A K R Y S
M A K R Y S
M A K R Y S
M A K R Y S
M A K R I S
M A K F L N N
M A A S R L S
M A S R L S
M A K R
M A S R L S
M A K R
M A S R L S
M A K R
M A S R L S
M A K R
M A S R L S
M A K R
M A S R L S
M A K R
M A S R L S
M A K R
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A S R L S
M A 
                                                                                                                                                                                                                                                                                                                                                                   ALKPLE
AVKRYE
LMHRLG
ALPAYS
GLTALE
FMCQYS
MLQQYS
LVKRLE
                                                                                                                                                                                                                                                                                             I V I G A L I L F R L Y I E I F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PPPPAPPEESPEPPEPT NTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HEAEHHQSAAVEKEAGEARE
                                                                                                                                                                                                                                                                                                                                   AAATKSQKSG
 UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_U4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_UPI00036EFE1A
                                                                                                                                                                                                                                                                                       L L N S I K I V D A L G F V A A T G I T S S L N L A R A V R I V A A I A F A R T V R L N A W T T L L E A L K
                                                                                                                                                                                                                                                                                                                                                                                                                                           DYGELKEDYE
UniRef90_UP100036EFE1A
UniRef90_A9NG69
UniRef90_UP100046D937E
UniRef90_UP1000379E50F
UniRef90_M1P818
UniRef90_B5E150
UniRef90_B5E150
```

	130 140 150 160
UniRef90_UPI00034C46E8 UniRef90_UPI0003647926	QASQLSVTVNTATSFFRPFLLSLEETTLKEYLTEVDGLQY KTDMLSTELSMATSYMVPEIIAMDNEKLENY_LKSEKLSH
UniRef90_E5V2I1	K T Y G L Y S N Y V A E W S F F T P E L L A V D E S L N G Y L K E L E E L R E
UniRef90_B9DWG9 UniRef90_Q65NS9	KASĞLYALFSEVFSFYEPELMTLSEEELAEFFKEEEGLEL RMAALQAKINAGLSFIQSEILEFPENQVETYLKNEKGLEP
UniRef90_D1AV22 UniRef90_R5HDL6	KILLINI TINKEEENEAEANDENINKSIVIDVKIVIEKEMEEEDKIIKE
UniRef90_M8EB20	R MA A L Q A KI N A GLS FI Q S E I L E F P E N Q V E T Y D K N E K G L E P K M K M Y S D Y D A R S T F I R I K L L E L S E E K V E E Y F S H E R L V E K I L D L I N K F E E N E A F A N P E L M S V D Y K V L E K F M E E E P K L K E R A E K M Y T L V S E K T A W M Q P E I V A I P D G K M K N L L E A K D L A A
UniRef90_R6R406 UniRef90_C7HWD4	RVS A ALVKYRS A CSFKLPKLMALS DEDIESYCKAEPALVF LADNLFANLAGELSFITPEILSEDYKKVQTYLEEKEELKI
UniRef90_I5B737	RASNLYTRI GEASSFI SPEI QAMPLDQLTRL LDKEAFKP LADSLSSDVHAAISFI DSEI MEADAETLNRYMEEEKGLQE
UniRef90_UPI0003786070 UniRef90_UPI0003601793	LADSLSSDVHAAISFI DSEI MEADAETLNRYMEEEKGLQE RSGDVLSAVYARLTWINSEI LDLSEGLINQYVAEYPALGV LMSSALTRINTALSFILESELLSLSDEKVEKYFKEEPRLEA
UniRef90_E6U0B6 UniRef90_V5WJ49	LMSSALTRINTALSFIESELLSLSDEKVEKYFKEEPRLEARFMQLESKVSASMSFMTPEIQEIPDSTMKEWLNRDDFTERIQSALVMISSSLSFVETEICLRSEQQLLALSEKPEFSDTAAKAATTIATKESFLEPEILALDEGALDGYFKQEPGLEE
UniRef90_R5FV46	R Q S A L VM S S S S F V E T E C L R S E Q Q L L A L S E K P E F S D T A A K A A T T A T K E S F L E P E L A L D E G A L D G Y F K Q E P G L E
UniRef90_B2GEM0 UniRef90_R5J8I7	T A A K A A T T I A T K E S F E P E L A L D E G A L D G Y F K Q E P G E E N L D L V L T V V N E K T A F F I P E L L K S D Y K D V L K Y I D E N K E L E R
UniRef90_S5ZNV4 UniRef90_R5YF43	K V E A L A A Q Y A A K T A Y I E P E L L A L P E R T L A K L Q K S K L L K P K L E K L L S E L S T K L S F Y L P E V L S Y D Y S L V K K Y I D E N K L L E E
UniRef90_I7A450	KATTLGTKFSEVTSFVNPEILKVGREKIERFLYEKKELDE QADKLEEKVANETSFIRSELLSNDYDYILNLMANDKRFDE
UniRef90_R5VML6 UniRef90_A0A017PLC5	QADKLEEKVANĒTSFIRSELLSNDYDYI INLMANDKRĒDE SVIHLYTLFKEEISWIQPTLINLPKEVIAK HLSAP <mark>C</mark> LSS
UniRef90_S7J2T1 UniRef90_R5MVT6	SVTHLETKEGEEVSWIQPALIALPESIIKQ HLTSPLLAP KAESLLTKVTQELAFTKNELLSADYELIKELIKKNAKLEE
UniRef90_U7PGI1	KUSTSYGKI ASQLAFVESEI LAUSDAQUDEL I ADTP
UniRef90_UPI0001E898F9 UniRef90_S5YAH9	RAEKMYTLVSEKTAWMQPEIVAIVPDGKMKNLLEAK DLAARVSAALVKYRSACSFKLPKLMALSDEDIESYCKAEPALVFIADNLAQELSFITPEILSEDYKKVQTYIEEKEELKIRASNLYTRI GEASSFISPEIQAMPLDQLTRL LDKEAFKPLAOSLSSDVHAAISFIDSEIMEADAETLNRYMEEEKGLQERSGDVLSAVYARLTWINSEILDLSEGINQYVAEYPALGVLMSSALTRINTALSFIESELLSLSDEKVEKYFKEEPRLEARFMQLESKVSASMSFMTPEIQEIPDSTMK EWLNRDDFTERIQSALVMISSSLSFVETEICLRSEGINQYVAEYPALGVLMSSALTRINTALSFIESELLSLSDEKVEKYFKEEPRLEARFMQLESKVSASMSFMTPEIQEIPDSTMK EWLNRDDFTERIQSALVMISSSLSFVETEICLRSEGALDGYFKQEPGLEENLDLVLKYIDENKELERKVEALAAQYAAKTAYIEPELLKSDYKDVLKYIDENKELERKVEALAAQYAAKTAYIEPELLKSDYKDVLKYIDENKELERKKVEALAAQYAAKTAYIEPELLALPERTLAKLQKSK LLKPKYEALAAQYAAKTAYIEPELLKSDYKDVLKYIDENKELERKKATTLGTKFSEVTSFVNPELLKSDYKDVLKYIDENKELERKKATTLGTKFSEVTSFVNPELLKSDYKDVLKYIDENKELERKKATTLGTKFSEVTSFVNPELLKSDYDYDYILNLMANDKRFDESVIHLIFKKEEISWIQPTLINLPKEVIAK HLSAPCLSSSVITHLFTKFGEEVSWIQPTLINLPKEVIAK HLSAPCLSSSVITHLFTKFGEEVSWIQPTLINLPKEVIAK HLSAPCLSSSVITHLFTKFGEEVSWIQPTLINLPKEVIAK HLSAPCLSSSVITHLFTKFGEEVSWIQPTLINLPKEVIAK HLSAPCLSSSVITHLFTKFGEEVSWIQPTLINLPKEVIAK HLSAPCLSSSVITHLFTKFGEEVSWIQPTLINLPKEVIAK HLSAPCLSS
UniRef90_M1E9G0 UniRef90_D7WNX5	NVQWLFQSFEESI AFIEPELTSLGEKFLNEISL DPDFED KFGTAIGKVSSALSFVRSELLALDEAVLQEAATLSP KVSSVFAKVQAEMAFFDSEVLALPEGTI EQYLEENEELQV
UniRef90_UPI0002D82E86	SVIHLYTLE KEELSWIQPTLINLPKEVIAK HLSAPCLSS SVTHLETKFGEEVSWIQPALIALPESIIKQHLTSPLLAP KAESLLTKVTQELAFTKNELSADYELIKELIKKNAKLEE KLSTSYGKIASQLAFVESEILALSADYELIKELIKKNAKLEE KLSTSYGKIASQLAFVESEILALSADYELIKELIADTP EGQNMMIYVVERTAWFSNELQAIEKEKWEKL LESPKLKP DLQEKITNFTTPLVFFSLEFNRITDATYDELFSAEDGPKR NVQWLFQSFEESIAFIEPELISLGEKFLNELSLDPDFED KFGTALGKVSSALSFVRSELLALDEAVLQEAATLSP LKVSSVFAKVQAEMAFFDSEVLALPEGTIEQYLEENEELQV SLNERLTALSTHLLFFTLELNRLEEADLQ EKLKDPALAH DTQERLTTASTELLFFALELNRLEEADLQ EKLKDPALAH
UniRef90_C7JD92 UniRef90_I4YTP9	S N
UniRef90_UPI00047582BE UniRef90_C3WGK0	D Q G E V T D S S A L L F F G L E L N R V D D A A M D R A M D A N P A L G R E I E M Y T K F G T K T A W A P E M L E I P E E T M N E W K K H P E L E E
UniRef90_R7M5A3	ELNNLSSEVINATYFI EPNILKMNYSDIEKFYLKNEKLKE
UniRef90_UPI000407450D UniRef90_B0UMQ5	DTQERLTAASSDLLFFTLELNRVPDADIDAA <u>A</u> ALPPLAR_
UniRef90_W0J2L8 UniRef90_UPI0002E9D122	QVQ AV F A R F G T A T S W F T P E L L T V P E T T I R Q W I D D T P A L G I A S S N V S A Y F S S F T S F V K S F L L A L D F S V L F D L K V Q A P D L S V
UniRef90_M7NFQ7	A S S N V S A Y F S S E T S F V K S E L L A L D E S V L E D T K V Q A P D L S V A F G S L M A K S S A E M S F F E S E L S Q L P E E E L K Q A M E Q S E D D A Q A K L T D I S A H L L F F T L E L N R I D D A V M D A C M A N D A L A G H
UniRef90_F0LCR3 UniRef90_W8ACT7	LAQSTQALVQAELAKLEAEI IKLPEAVIEQFQQENELLQS
UniRef90_B9EBZ0 UniRef90_R5X9Y4	K F S S S Y G K A S E L T F L N S E L I A K E E S E L I T L K D T L P K G T V D S K Y S R L C S D L E L E L I K L P D S T Y N E Y L K S K K V N K R
UniRef90_D7A5A1	KIGTVDSKYSRICSDLELEILKLPDSTYNEYLKSKKVNKR DVQEKLTDASTHLLFFTLELNRLDDAKMEAA LAAPEGK
UniRef90_UPI00039BFB21 UniRef90_T3G003	RVRNVALKSGEVTAYYTPEMLESDYSVLEEFMNKEPELKV SMSKSYGNYMGI <mark>C</mark> SDLELEILKLSNKDYKKIISNKNINRK
UniRef90_UPI000477CAB8 UniRef90_I7L4K4	GLIS E K G T DILIS TILITILIF F TILIE II N RILID D A A LIA TILI LIT D P V V A R A S D E LIMA T F Y A G T A F Y K II E II IS GII IE S D K ILIQ S Y M T Q E P K IL LIH
UniRef90_R5MTB4	R V Q N V L T K F S T L T S Y I E P E L L E A N Y D L V Q K Y I E Q N K R L E T D M Q D K I T T Y T T P L V F Y G L E F N R M D D A H V D G L L A A N A D L A R
UniRef90_M9R3H1 UniRef90_A8MM51	KLSNKVSELQSRLSFIESEI I ALDEKI I EE ALESSKONSN
UniRef90_I0C490 UniRef90_R5RFN6	K
UniRef90_W6RZJ1 UniRef90_UPI000317F473	KAMNMVSDIESRLSFVESEI LEVKDEVLEEALRNSKENTN
UniRef90_R7BHQ1	KMNRKLSECMSRLSFIDSELAVQDNAVIEEAVNSSEANAN
UniRef90_L0A7H5 UniRef90_B6JC09	R A A SILIQ SIL LIA A A G A F A E P E IL LISILIS A G T IL N S WA A S A E IL IR S DIVIS E RILIT N A S T HIL LIF F T IL E IL IN R II D D D IL I E Q A M QIVIP A IL IG Y
UniRef90_V9G8N5 UniRef90_E8SH03	NVQWIFQSFIEST AFT SPELL ALDEAVL QEAAATLSP KEGTALGKVSSALSFVRSELLALDEAVL QEAAATLSP KEGTALGKVSSALSFVRSELLALDEAVL QEAAATLSP KEGTALGKVSSALSFVRSELLALDEAVL QEAAATLSP KSUNERLTAALSTHLLFFTLELLNRRLEEADL Q EKLKDPALAH DTQERLTTASTELLLFFFTLELLNRRLEDAAVL DKAAMDAALGEE DTQERLTTASTELLLFFFTLELLNRRLEDAAVL DKAAMDAALGEE EILNNLSSEVINAATYFILESLNRRLEDAAVL DKAAMDAALGEE EILNNLSSEVINAATYFILESLNRRLEDAAVAMDAAAAAPPPAALGEE LTGNLQTDLSSALLFFFELLNRRVPDADI DAAAAAPPPAALGEE LTGNLQTDLSSALSFFTLEELNRRVPDADI DAAAAAPPPAALGE LTGNLQTDLSSSLSFTLEELNRRVPDADI DAAAAAPPPAALGE LTGNLQTDLSSSKTSFLVSELLALDESVLEEQQQEEPP ASSNVSAYFSSETSFVKSSELLSQVBAAAVAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
UniRef90_A0A023D6Z2	NTRETIT GLEANIL LEFTILE LINETEDAPMAALTADPALAK
UniRef90_UPI000225AEEA UniRef90_M2P8J2	SILAFSQQVSNALDFVELEIIKNKEQVKDY LTDDQLKV
UniRef90_U2JSU5 UniRef90_D0BLF9	KTEILLDSKILNTILLSFFHSELLIHAPQELLEEALEKTP II QTRKVVAECDATLSFFSPF IISOIJFFDILAFASKNPFNKII
UniRef90_B6ITZ6	KLSTTYGKIVSRLSFVESEILELPEEILQQLEESCP TIMGVLEASSVQISFVDNEIIEAKDKVLEY LKDPKLEK KAMNMVSDIESRLSFVESEIIEVKDEVLEEALRNSKENTN EAQSTLITLESSVSFMDSEVSQLSDSRFAAFMCEEPGLKN KMNRKLSECMSRLSFIDSELAVQDNAVIEEAVNSSEANAN RAASLQSLLAAAGAFAEPELLSLSSAGTLNS WAASAELRS DVSERLTNASTHLLFFTLELNRIDDDLIEQAM QVPALGY KAGDVFSRIQSSLSFIDSQLLELEDGVLESYIAEEAGLAP LFSTQYGKVLSQLTFVESELLNLDDAVMQQAISEL DNTRETLTGLAAHLLFFTLELNRIEDDAPMAALTADPALAK YIQEQITALFSNLVFYNLALCQLEDANLEQSFAELAALNR SILAFSQQVSNALDFVELEIIKNKEQVKDY LTDDQLKV KTELLDSKINTILSFFHSELIHAPQELLEEALEKTP QTRKVVAECDATLSFFSPELSQLEEDLLAEAKNPENKI SMQERVTALSVHLLFFTLEINRIEDDADLAAKLTAPENKI SMQERVTALSVHLLFFTLEINRIEDDALLAEASKNPENKI SMQERVTALSVHLLFFTLEINRIEDDALLAAKLTAPELAK DCQEKITNFTLEINRIEDDALAARFAENADLAR
UniRef90_Q5LTK1 UniRef90_A0LFN0	ALREFRS QVH R DTLFFELE WA QUD D E A F A A A LR H S ALGP
UniRef90_X0QB14 UniRef90_V7I0Z4	D F S H T E A E I S A QLT F F E N E V LT N D V F T I F T V G K I D T A
UniRef90_Q1WVT7	ENDNEQATITADISFFKTEVITNPVSLIDQVAEIEPQ
UniRef90_A8ILX1 UniRef90_R4Z4N1	NLIS E AAT ELST KL VIF F ELE WAAV P DE QAE AL LA DPALDF
UniRef90_U4THU8 UniRef90_N1ZSR9	S A L A IV IF S Q A A A IV IF T A F T S A IL IS A IL IS E A DIL ID QII IA A A D P D Q A E Q T L A F K N A K L A F F D II Q IV IS Q N S T A II L ID E IV IA T K E P
UniRef90_B9Y5Y3 UniRef90_F0GVC0	KSVAFVNQAAAATTFVDQEFIEH QKTVEAYLTEEDCAD
UniRef90_U1FYE7	KESTTYGKLASNLAFVESTLLALSDEELARVIDHSQ
UniRef90_V4JAH9 UniRef90_UPI0002E1E755	M V Q E L A N A
UniRef90_D7N8V2 UniRef90_C5FA95	KFDNI ENNLMEKISFYENEI ISLDVEITEETI NSSDK
UniRef90_UPI00036EFE1A	KÜRERSTALIRTTLÜFFĞÜEWA ALDDAVAERLLAAD GUDQ
UniRef90_A9NG69 UniRef90_UPI00046D937E	R I S I I K I L I Q K I V S K Q I L IN F F H S E I L IN K I V I I K K I V L I M D A M R I L D E S N K L L R V K E A A T R A H R H T I V F F D L E I L D R I L D D P A F D R A L I A H P D L I G R
UniRef90_UPI000379E50F UniRef90_M1P818	QMTAFNAQQAATLSFFPSQVQQLSTDILDEVLAKYPE KCKEDASRVNREI VEEDIEWAKMDOTSADRE IITAEDTAE
UniRef90_UPI0003675C6F	DFSHTEAE ISAQLTFFENEVLTNDVETLETVGKLDTA ENDNLQATITADLSFFKTEVLTNPVSLLDQVAEIEPQ DIQEKLTDSSTHLLFFTLEMNRLEDAQVEAA LKDAAFGH NLSEAATELSTKLVFFELEWAAVPDEQAEALLLADPALDF SAEAVFSQAAAVFTAFTSALSALSEADLDQIAAAADPADF QAEQTLAFKNAKLAFFDIQVSQNSTALLDEVATKEP R KSVAFVNQAAAATTFVDQEFIJEH QKTVJEAYLTEEDCAD KLSDEGSDISGIISFYEPYLSRLSENLELARVIDHSQ MVQELANACATKTIFFKLEWNTIDEDRAKALV RDEVLAP QAQSLYAQTQTARSFLTTEITALSKEKFDQYLKDEPRLKD KFDNIENNLMEKISFYENEILSLDVEIIEETINSSDK KATALDGEIGGQLSFFQAELTQLPEEVLDAVVAKAPPD KVRERSTAIRTTLLFFGLEWAALDDAVAERLLAAD GLDQ KTSIRLQKVSKQLNFFHSELNKVTKKVLMDAMRIDESNKL RVKEAATRAHRHTVFFDLELDRIDDPAFDRA LAHPDLGR QMTAFNAQQAATLSFFPSQVQQLSTDLLOAVAKYPE KCKEDASRAWNRILFFDLELDRIDDPAFDRA LAHPDLGR
UniRef90_B5EI50 UniRef90_UPI0003900352	KALEFGNAMGRE <u>LI</u> FFD <u>L</u> JE <u>LI</u> QMEEEPFAKLJ ADD <u>LLL</u> EN

	170 180 190 200
UniRef90_UPI00034C46E8 UniRef90_UPI0003647926 UniRef90_E5V2I1	FEEYLFEAYRFRPYVLNKDKEEVLSYIGEALSAPSKTFGM YKKHVDEILRLKPHTLNEREEELLAAVSDLSGVPENIYDM YEFFLEKINKKRPHTLDPEQERIIAMAGEALHASDETFGA YRHFFERLLKNKSHVLSQLEEELLAGAQEIFNGAEETFSV
UniRef90_B9DWG9 UniRef90_Q65NS9	Y E F F L E K I N K K R P H T L D P E Q E R I I I A M A G E A L H A S D E T F G A Y R H F F E R L L K N K S H V L S Q L E E E L L A G A Q E I F N G A E E T F S V F S K M L T E I M E L K P Y K L A P E T E E A L A V L G E I H D A P Y K I F G M
UniRef90_D1AV22	RKFFMFKI FKTKK <mark>H</mark> OII SOKFFFILL ANMAOII TG V SSKAFSM
UniRef90_R5HDL6 UniRef90_M8EB20	YDFLLENLYRYKKHILNDDSEKLLSSLSNVFSSEKTYES YKMMLEDMLRTKPHSLSKELEELLAKSSPLGSSPTNLYGM
UniRef90_R6R406 UniRef90_C7HWD4	Y D F L L E N I Y R Y K K H I L N D D S E K L L S S L S N V F S S S E K T Y E S Y K M M L E D M I R T K P H S L S K E I E E L L A K S S P L G S S P T N I Y G M Y R H D L D E C R R L K A H T L D E Q S E H I L A K A G D I L E T P D N L F A M Y A H Y F E D L F R N K D H T L G E N E E K I I A S F A K L S Q N P Q N T Y M L
UniRef90_I5B737 UniRef90_UPI0003786070	Y R F Y L E Q M L R Y L P H T R D A P T E Q L L A M A G E S L S A P Q R I F S Q F R K V L A D L M E K K P H K L H P E A E E A L A A F G E I H N A P Y A I Y Q R
UniRef90_UPI0003601793 UniRef90_E6U0B6	Y E R S L N L L D T R P H R L S P D V E A T L A S L G E V T G A P Y R I Y L R Y R I P L T D M L K K K N H S L G A E T E E V L A S L G E V H G S P Y R L Y S V
UniRef90_V5WJ49 UniRef90_R5FV46	Y R Y L E K L R F K P H V L S P A E E K L M A M Q S E S A Q T A S K T F S A Y S Y M L E K L A K D K K H V L S E E V E K V L A D V G S F S G G F R E A F S M
UniRef90_B2GEM0 UniRef90_R5J8I7	YAHYFEDLFRNKDHTLGENEEKI I ASFAKLSQNPQNTYMI YRFYLEQMIRYIPHTRDAPTEQLLAMAGESLSAPQRIFSQ FRKVLADLMEKKPHKLHPEAEEALAAFGEIHNAPYAIYQR YERSLNLLLDTRPHRLSPDVEATLASLGEVTGAPYRIYLR YRIPLTDMLKKKNHSLGAETEEVLASLGEVHGSPYRIYSV YRIYLEKLLRFKPHVLSPAEEKLMAMQSESAQTASKTFSA YSYMLEKLAKPKPHVLSPAEEKLMAMQSESAQTASKTFSA YSYMLEKLAKDKKHVLSPAEEKLLSRLNRSLDSADEIYNT FRYELEQIRLQKGHVLTTSEEKLLSRTGNLLGSPDSIFSN YRYYFTELREQKPHTLTKREERLLAKLSPALSEAENIYDH SRFSFESLFRIKEHLLDKDKENMLSSLEEIFNIPSNTFDM FRFYLMDILRLEDHTLSENEEAILASAGLMTSTPGEVYSI YRFYLEKIFRIKEHLLDKDKENMLSSLEEIFNIPSNTFDM
UniRef90_S5ZNV4 UniRef90_R5YF43	FRELEVIENE HILSPELEELLSRTGNILGSPOSIFSN YRYYFTELREQKPHTLTKREERLLAKLSPALSEAENLYDH SRFSFESLFRIKEHILDKDKENMLSSLEEIFNIPSNTFDM FRFYLMDILRLEDHTLSENEEAILASAGLMTSTPGEVYSI YRFSIEKMFRYKNHTLSEAEERIISLASNALGTADNAFSA YRFYLEKIFRLSSHTGTPEEERVLALAFSPLEVANKVFSS
UniRef90_I7A450 UniRef90_R5VML6	FRFYLMDILRLEDHTLSENEEAILASAGLMTSTPGEVYSI YRFSIEKMFRYKNHTLSEAEERIISLASNALGTADNAFSA
UniRef90_A0A017PLC5 UniRef90_S7J2T1	YRFYLEKI FRMAITHT GTAREEKI LASAFPALEATNKTFSS
UniRef90_R5MVT6 UniRef90_U7PGI1	Y A F G L E C L Y R Y K K C T L S E K E E Q L I A S F E T L L G T G D D A F G N Y P H Y L K Q L K R R K P H Q L S F E V E K T L A A L S P T F S A A Y D M Y G L
UniRef90_UPI0001E898F9 UniRef90_S5YAH9	Y P Y L K Q L K R K P H Q L S F E V E K T L A A L S P T F S A A Y D M Y G I Y Y T H L K D T Y E D K V H S L P P E M E K M L I K T M P I V N A P S E L F T M Y R P V F D R M R A M R P Y Q L S D E L E K F L H D N S V V G A A A W N R L F D Y N F E I I N L I R Q L P H T L S Q N E E K L L A K T S L L A F S P S N L Y H H
UniRef90_M1E9G0 UniRef90_D7WNX5	Y K R Y IL IE E IL L IK R K P H Q IL IH P E IV E K A IL IA A F S A I F D A P Y K I Y N I
UniRef90_UPI0002D82E86 UniRef90_C7JD92	Y K K T L N D L L E R K P Y T L A P E T E E V L A S L G E V H S A P Y M Y Q R W Q P Y L R D I R M Y R P H Q L S D D V E K V L L E K S V T G G Q A W C R L F D Y K P W I E D L R K D K P F Q L E D K I E Q L F H E K S V T G R S A W N R L F D Y R P W I V D L R Q D K P Y Q L E D R V E E L F H E K S V T G H G A W N R L F D R F G L S E M Y R L R K H V L S E D K E Q L L S H F S Q F M G S S S D I Y G E Y E R Y L Q E M F R Y K E H T L S D I E E K L L A N L S K T F G N N Y E T Y E L Y K H Y I D D L L R S K P Y Q L E A N V E K A L A S F S S V F A G P Y D L Y Q K Y R P W L E D I R R E K P H Q L S D D L E K L L L E K S V T G R S A W N R L F D Y R F P I L D T Y R Q Q K H V L D E K G E K L L S F S T R F G Q T P R S V Y T E F I D D L L R Q K P Y Q L D P K V E K V L A S Y S S V F N G P Y E L Y N K F R I Y L R D I L R F K P H K L H P E V E K V L A S T S S V L D A P Y E L Y N V Y R P W L V D L R K D K P H Q L D D Q L E Q L F L E K S M T S A S A F N R L F D F H V F L D K L L E S K P F S L S S E T E E V L A S L T P I L T N P Y S T Y L T
UniRef90_I4YTP9 UniRef90_UPI00047582BE	WQPYLRDIRMYRPHQLSDDVEKVLLEKSVTGGQAWCRLFDYKPWIEDLRKDKPFQLEDKIEQLFHEKSVTGRSAWNRLFDYRPWIVDLRQDKPYQLEDRVEELFHEKSVTGHGAWNRLFD
UniRef90_C3WGK0 UniRef90_R7M5A3	RRFGLSEMYRLRKHVLSEDKEQLLSHFSQFMGSSSDLYGE YERYLQEMFRYKEHTLSDLEEKLLANLSKTFGNNYETYEL
UniRef90_UPI000407450D UniRef90_B0UMQ5	YKHYIDDLLRSKPYQLEANVEKALASFSSVFAGPYDLYQK YRPWLEDLRREKPHQLSDDLEKLLLEKSVTGRSAWNRLFD
UniRef90_W0J2L8 UniRef90_UPI0002E9D122	YRFPI LDTYRQQKHVL DEKGEKLLSFSTRFGQTPRSVYTE FIDDLLRQKPYQLDPKVEKVLASYSSVFNGPYELYNK
UniRef90_M7NFQ7 UniRef90_F0LCR3	FRILYLRDI LRFKPHKLHPEVEKVLAAFSSVLDAPYELYNV YRPWLVDLRKDKPHQLDDQLEQLFLEKSMTSASAFNRLFD
UniRef90_W8ACT7 UniRef90_B9EBZ0	F HVFLDKLLESKPFSLSSETEEVLASLTPILTNPYSTYLT YSRFFEKLIKAKPYELHPEVEKALASFSPVFNAPYNLYDT
UniRef90_R5X9Y4 UniRef90_D7A5A1	Y K M Y L E E I R K S K E H Y L D E K S E D I I N K M G N I V S L P S N V Y D L Y R P W L D D V R A E K P Y Q L E D R I E Q L F H E K G V T S R S A W N R L F D
UniRef90_UPI00039BFB21 UniRef90_T3G003	F I D D L L R Q K P Y Q L D P K V E K V L A S Y S S V F N G P Y E L Y N K F R I Y L R D I L R F K P H K L H P E V E K V L A A F S S V L D A P Y E L Y N V Y R P W L V D L R K D K P H Q L D D Q L E Q L F L E K S M T S A S A F N R L F D F H V F L D K L L E S K P F S L S S E T E E V L A S L T P I L T N P Y S T Y L T Y K M Y L E E I R K S K E H Y L D E K S E D I L N K M G N L V S L P S N V Y D L Y R P W L D D V R A E K P Y Q L E D R I E Q L F H E K G V T S R S A W N R L F D Y E K D F K D M Y I A K P Y I L S E K E E R I L T M A G K L S G V P N E A Y D I Y G A Y L R D I R R N K V H Y L D D K S E D I L S K V S S L S S L P S Q V Y E L Y R P W L D G I R Q Y K D H Q L T D D L E R M V T E K G L T G A G A W V R L F D Y Q F Y F D K I R L N S A H Q L T A T E E K L L G A L N A T L Q S P N D V F D T Y R K S L E D L Y R Y K E H T L S K V E E H L L A S L S K V F G L S E E A S Y Y Y K P I F D R M R A M K P Y Q L S D E M E K F L H D Q S V V G A T A W N K L F D Y C Y C Y C Y C Y C Y C Y C Y C Y C Y
UniRef90_UPI000477CAB8 UniRef90_I7L4K4	Y R P WL D GI R Q Y K D H QL T D DL E R MV T E K GL T G A G A WV R L F D Y Q F Y F D K I R L N S A H QL T A T E E K L L G A L N A T L Q S P N D V F D T
UniRef90_R5MTB4 UniRef90_M9R3H1	Y R K S L E D L Y R Y K E H T L S K V E E H L L A S L S K V F G L S E E A S Y Y Y K P L F D R M R A M K P Y Q L S D E M E K F L H D Q S V V G A T A W N K L F D
UniRef90_A8MM51 UniRef90_I0C490	Y
UniRef90_R5RFN6 UniRef90_W6RZJ1 UniRef90_UPI000317F473	Y T Y K I N S L L S Y E A H I L P K E Q E E L L A K V E S I A D T S S Q V F N A F L K E K K R A K K H A L H P E V E R V L A A L S G T L E G P Y Q V Y E Q
UniRef90_B7BHQ1 UniRef90_L0A7H5	Y LKDVLRGKPYLLNPETERVLTALSQTTGAPYEI YNT
UniRef90_B6JC09 UniRef90_V9G8N5	Y R P WLE DI R K D K P Y QLE D R LE QLE HEKSTTS Y G A WN R Q F D
UniRef90_E8SH03 UniRef90_A0A023D6Z2	Y S Y Y L T Q L Q K K K P H Q L H P K A E E A L A S M S T A L D V P Y D L Y G V WR P Y L R D L R V F R P Y Q L S D F V F Q V L M F K S V T G R A A W N R L F D
UniRef90_UPI000225AEEA UniRef90_M2P8J2	YRSWINNARLYKPHQLPEEQEKLLTEKSLTGRSAWNRLYD YOFNLENLIBEEKHUISOEMETLISKVSSUSNTAENVE
UniRef90_U2JSU5 UniRef90_D0BLF9	YKTFLKDI LREKPHALSPETEKALTALFNTTESFHGLYSQ Y LERLLEDKOHLLSKEVESVLAALGNTLDFPYQNYND
UniRef90_B6ITZ6 UniRef90_Q5LTK1	Y T Y K I N S L L S Y E A H I L P K E Q E E L L A K V E S I A D T S S Q V F N A F L K E K K R A K K H A L H P E V E R V L A A L S G T L E G P Y Q V Y E Q F Q R D I E N Y L R S R G H I L P A E Q E K I L A Q T G D M F A N G E N V F S V L K D V L R G K P Y L L N P E T E R V L T A L S Q T T G A P Y E I Y N T Y A Q V F R N L E R Q R S H V R S A E V E E L L G L V R G P F A A A R T I H P T Y R P W L E D I R K D K P Y Q L E D R I E Q L F H E K S T T S Y G A W N R Q F D F A R S L K L L M D T K P H R L S P E T E G V L A S L G E L Q S S P Y R I Y L R Y S Y Y L T Q L Q K K K P H Q L H P K A E E A L A S M S T A L D V P Y D L Y G V W R P Y L R D L R V F R P Y Q L S D E V E Q V L M E K S V T G R S A W N R L F D Y Q F N I E N I L R E E K H L L S Q E M E T L L S K V S S L S N T A E N V F Y K T F L K D I L R E K P H A L S P E T E K A L T A L F N T T E S F H G L Y S Q Y L E R L L E D K Q H L L S K E V E S V L A A L G N T L D F P Y Q N Y N D Y G P W L R D T R I F R P H Q L S D E L E K F L H D L G V V G D A W E R L F D Y A P V F R R I R A M K P Y Q L S D E L E K F L H D L G V V G D A W E R L F D T F G L
UniRef90_A0LFN0 UniRef90_X0QB14	YRHYLELSRRYRPHLLTEPEEKILAEKEPVANDSWTTLFD TFGI
UniRef90_V7I0Z4 UniRef90_Q1WVT7	HANLVRTWKRSKKHLLAPEVEQVLASLNPVFAGQENLYTT FAPVVRHWKVEKPHQLSPEVEKTLATLSPTLNSSERIYTT
UniRef90_A8ILX1 UniRef90_R4Z4N1	Y R P WV E D L R K D K P Y Q L E D R V E Q L F H E K S S P A R G A W G R L F D C A H H L R T M R R Y R D H L M S E A E E Q V L T E T S V S G A A A W V R L F D
UniRef90_U4THU8 UniRef90_N1ZSR9	Y E P L V R H L R R D K K L R L T P D T E A A L A Q L S P T L N A F S T I Y G Q F A S V I R H L K A K Q K H L L E P K A E A A L A L L G P T L N A P E K I Y T T
UniRef90_B9Y5Y3 UniRef90_F0GVC0	Y R Y P M E E T F R T I P H R P D A P T E H L L A Q M S E L F Q N P Q K T F K F A Y F I E N I E K K K A H L L G D E T E A V L A K L A P T L D A P Y K N Y N D
UniRef90_U1FYE7 UniRef90_V4JAH9	Y K H F L T K L K A R K P Y Q L A P N V E E A L A S F S P I F E K P Y E L Y G N Y R H Y L T S M R R F R P H Q L A E G E E K I L I E T N L V G R S G W N T L F E
UniRef90_UPI0002E1E755 UniRef90_D7N8V2	Y R R Y L E N F L R N Q G Y V L P L A E E K L L A Q S S K V F E G A E N L F S M Y K M Y L K T I L K N K E H L L S E K E E K V I A T L A P S L A G P Y K T Y E D
UniRef90_C5FA95 UniRef90_UPI00036EFE1A	HANLVRTWKRSKKHLLAPEVEQVLASLNPVFAGQENLYTT FAPVVRHWKVEKPHQLSPEVEKTLATLSPTLNSSERIYTT YRPWVEDLRKDKPYQLEDRVEQLFHEKSSPARGAWGRLFD CAHHLRTMRRYRDHLMSEAEEQVLTETSVSGAAAWGRLFD YEPLVRHLRRDKKLRLTPDTEAALAQLSPTLNAFSTIYGQ FASVIRHLKAKQKHLLEPKAEAALAQLSPTLNAPEKIYTT YRYPMEETFRTIPHRPDAPTEHLLAQMSELFQNPQKTFK FAYFIENIEKKKKAHLLGDETEAVLAKLAPTLDAPYKNYND YKHFLTKLKARKPYQLAPNVEEEALASFSPIFEKPYELYGN YRHYLTSMRRFRPHQLAEGEEKILIETNLVGRSGWNTLFE YRRYLENFLRNQGYVLPLAEEKKLLAQSSKVFEGAENIFSM YKMYLKTILKNKEHLLSEKEEKVIATLAPSIAGPYKTYED YAGFFRQIKIAKKGAALAPAAEKKLLNALSPVFQAPSNIRDQ ARHYLRLERRYRPHLLSEPEEKLLTEKSVTGVAAWSRLFS Y LEDVLEYKKHTLKPEAEKKLLNALSPVFQAPNR YRHYLLAHSRALRPHRLSEAEEELLTLKKDLVGRSAFVQLYD HIALIRMMKKEKASALSPQLEEALKKMNPVFDGYYDMYEQ YHHYLSNLRREFKKASALSPQLEEALKKMNPVFDGYYDMYEQ YHHYLSNLRREFKKASALSPQLEEALKKMNPVFDGYYDMYEQ YHHYLSNLRREFKKKHTLTEREESLLAQKSLTGVQAFCRLFD
UniRef90_A9NG69 UniRef90_UPI00046D937E	Y
UniRef90_UPI000379E50F UniRef90_M1P818	HILALIRMMKKEKASALSPQLEEALKKMNPVFDGYYDMYEQ YHHYLSNLRKYANHLLSHSEESLLVEFSPVGRDSWLTLFE
UniRef90_UPI0003675C6F UniRef90_B5EI50	A A F Y L A E R R E L A R R K L P P E Q E A L V S S L A V D G Y H G W G E L Y N Y R H Y L Q V L R K F K K H T L T E R E E S L L A Q K S L T G V Q A F C R L F D
UniRef90_UPI0003900352	

```
| READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | READ | 
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          UniRef90_E5V211
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
 UniRef90_E6U0B6
UniRef90_V5WJ49
 UniRef90_R5FV46
UniRef90_B2GEM0
 UniRef90_R5J8I7
UniRef90_S5ZNV4
 UniRef90_R5YF43
UniRef90_I7A450
  UniRef90_R5VML6
 UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_U7JD92
UniRef90_U7JD92
UniRef90_U7JD92
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
 UniRef90_R5X9Y4
UniRef90_D7A5A1
  UniRef90_UPI00039BFB21
UniRef90_T3G003
 UniRef90_UPI000477CAB8
UniRef90_I7L4K4
 UniRef90_R5MTB4
UniRef90_M9R3H1
  UniRef90 A8MM51
  UniRef90_I0C490
  UniRef90_R5RFN6
 UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_R7BHQ1
UniRef90_R7BHQ1
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UZJSU5
UniRef90_UZJSU5
UniRef90_D0BLF9
UniRef90_B6ITZ6
UniRef90_A0LFN0
UniRef90_A0LFN0
UniRef90_A0LFN0
UniRef90_V7I0Z4
UniRef90_A0LYT7
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_R4Z4N1
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_B9Y5Y3
 UniRef90_B9Y5Y3
UniRef90_F0GVC0
 UniRef90_U1FYE7
UniRef90_V4JAH9
  UniRef90_UPI0002E1E755
  UniRef90_D7N8V2
 UniRef90_C5FA95
UniRef90_UPI00036EFE1A
  UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UP1000379E50F
UniRef90_M1P818
UniRef90_UP10003675C6F
UniRef90_B5EI50
```

240 E D N S T

ADLRTSDKALSAKQDKLEQDLZAKHNT

UniRef90_UPI00034C46E8 UniRef90_UPI0003647926 UniRef90_E5V2I1 UniRef90_B9DWG9 UniRef90_Q65NS9 UniRef90_D1AV22 UniRef90_R5HDL6 UniRef90_M8EB20 UniRef90_R6R406 UniRef90_C7HWD4 A A T A V A S A T A A A T T UniRef90_C7HWD4 UniRef90_I5B737 UniRef90_UPI0003786070 UniRef90_UPI0003601793 UniRef90_E6U0B6 UniRef90_V5WJ49 UniRef90_R5FV46 UniRef90_B2GEM0 UniRef90_R5J8I7 UniRef90_S5ZNV4 UniRef90_R5YF43 UniRef90_I7A450 UniRef90_R5VML6 UniRef90_A0A017PLC5 UniRef90_S7J2T1 UniRef90_R5MVT6 UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_U7JD92
UniRef90_U7JD92
UniRef90_U7JD92
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93
UniRef90_U7JD93 UniRef90_R5X9Y4 UniRef90_D7A5A1 UniRef90_UPI00039BFB21 UniRef90_T3G003 UniRef90_UPI000477CAB8
UniRef90_I7L4K4 UniRef90_R5MTB4 UniRef90_M9R3H1 UniRef90_A8MM51 UniRef90_I0C490 UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_Y9G8N5
UniRef90_Y9G8N5
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_A0LFN0
UniRef90_B6ITZ6
UniRef90_B6ITZ6
UniRef90_B0LFN0
UniRef90_A0LFN0
UniRef90_A0LFN0
UniRef90_A0LFN0
UniRef90_A0LFN0
UniRef90_A1EN0
UniRef90_A1EN0
UniRef90_A1EN0
UniRef90_A1EN0
UniRef90_A1EN0
UniRef90_A1EN0
UniRef90_B8IEX1
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
IlbiRef90_B9COCO UniRef90_R5RFN6 UniRef90_B9Y5Y3 UniRef90_F0GVC0 UniRef90_U1FYE7 UniRef90_V4JAH9 UniRef90_UPI0002E1E755 UniRef90_D7N8V2 UniRef90_C5FA95 UniRef90_UPI00036EFE1A UniRef90_A9NG69 UniRef90_UPI00046D937E UniRef90_UP1000379E50F UniRef90_M1P818 UniRef90_UP10003675C6F UniRef90_B5E150

UniRef90_UPI00034C46E8 UniRef90_UPI0003647926 UniRef90_E5V2I1	290 300 310 320 E R S L F A D N I P L E V Y E N L I E T T K K H I A P I H R Y T A I R K Q M L G Q G S L F Q D D V S V E V Y N N L I S A V H E N L D S L N K Y T D L K K K F L G N H A L S S N L I P E E V Y D N L V E T V N K K I P V L H K Y Y K L H K K I K G Q A A M S A N F I P E K V Y D T L I E E V N N H L P L L H R Y L K L R Q E V L G	
UniRef90_B9DWG9 UniRef90_Q65NS9 UniRef90_D1AV22 UniRef90_R5HDL6	Q A A M S A N F I P E K V Y D T L I E E V N N H L P L L H R Y L K L R Q E V L G H M L L Q P Q S V T L E M Y R N Q L D V I K N E L P H M R K Y A A L K K R V L D N A A V S S N F I D E G V Y D S L L S A V N D K I S T L H K Y V E F R K E Q L G E A S L F A D N I P T L V Y D N L I K T V N D N M S T I Y R Y F D L K K K V L G	
UniRef90_M8EB20 UniRef90_R6R406 UniRef90_C7HWD4 UniRef90_I5B737	Q A A M S A N F I P E K V Y D T L I E E V N N H L P L L H R Y L K L R Q E V L G H M L L Q P Q S V T L E M Y R N Q L D V I K N E L P H M R K Y A A L K K R V L D N A A V S S N F I D E G V Y D S L L S A V N D K L S T L H K Y V E F R K E Q L G E A S L F A D N I P T L V Y D N L I K T V N D N M S T I Y R Y F D L K K K V L G E A S L N P N N I P T K V Y D E L I E T V N D N L P L L H R Y I S L K K K M L G D A A L D A T H V D T A V Y H S L I D T V R A N M H Y M H R Y V G L R K R M L N A M S L F S N N I D E K V Y D N L V E V I H D N I E I H R D Y T S L R K E V L G K S A L F A D N V P E D V Y D N L I I N V K K S F S P L Y R Y L D F R K Q A L G D M L L A G Q Q V T K E M Y H G L L D T I L A E L P H M R R Y A K L K K R V L G E M L L Q P Q Q V T R D M Y N N I H N V L Q E L A P H M Q R L A R L K Q R V L G E M L L Q P Q G V S E E M Y E N Q L N I I N E L A P H M Q R F A R L K K K Q L G	
UniRef90_UPI0003786070 UniRef90_UPI0003601793 UniRef90_E6U0B6 UniRef90_V5WJ49 UniRef90_R5FV46	D ML L A G Q Q V T K E M Y H G L L D T I L A E L P H M R R Y A K L K K R V L G D M L L Q P Q Q V T R D M Y N N L H N V L Q E L A P H M Q R F A R L K Q R V L G E M L L Q P Q K V S E E M Y E N Q L N L I N E L A P H M Q R F A R L K K K Q L G E Y A L F P D K V D P K V Y H N L V E T V N K N L P S L H A Y Y R L R K E K Q G S M A L E Q N D V D P A A Y E N L I K M V D E N C K Y M H K Y M A F R K K A L G	
UniRef90_R5J8I7 UniRef90_R5J8I7 UniRef90_S5ZNV4 UniRef90_R5YF43	NEYLDSNKIDESIYYDLI VKIVNDHLDLAHRWYRI KKDYLG NEYLDSNKIDESIYYYDLI KAVNNNLDKMYKYTSLRKDL N AAALAADDVEESVEDNII IATTRRHIDAUHRYI ELRRRAI G	
UniRef90_I7A450 UniRef90_R5VML6 UniRef90_A0A017PLC5 UniRef90_S7J2T1		
UniRef90_R5MVT6 UniRef90_U7PGI1 UniRef90_UPI0001E898F9 UniRef90_S5YAH9	E A A L F H N N I P C S V Y T N L I A T V K Q N T S L I T E Y F N L K K T G L Q E Y S L Y E D N I D K E V Y L N L I E A I H K N L S S L Y D Y L D F R R E F L G D Y L L E E Q E V T R E M Y D R Q I D V I M S E L P V M Q R Y A K L L Q K V H G E A H L E R N D I D P K V Y T Q L I D T V E E G L P L F H R Y L K L K E K Y V G A A R H L S N D V E P E V V E A L R N A V T K A Y P R L H R Y Y R L K A K W L G	
UniRef90_M1E9G0 UniRef90_D7WNX5 UniRef90_UPI0002D82E86 UniRef90_C7JD92	DYSLESDNVSKNEYKNLIDII VKSNLQPLHSYII KLKSKIVLG DYLLEDQDVDRSLYNRQIDLITKELPHMRRYATLIQKANG QMLLQPQKVTEEMYHNQLDVIQKELPHMRRFAKLKQQVYG SSRNLSNMVEDEVVDALVSAVRADYPRLHRYYALKAKWMG	
UniRef90_I4YTP9 UniRef90_UPI00047582BE UniRef90_C3WGK0 UniRef90_R7M5A3 UniRef90_UPI000407450D	DSRHLANRVERDV VDALAKAVSESYSISHRYYSLKAKWIG DRALENKNIPKEVYFSLVNSAQENTAPLRRYIELRKKALK EEAMYKDELDVSIYDNLISVINDKIGLLHKYYKLKKEVLK DYLLHROKVDRELYDROLDTITEKIPHMRRYAKLIKDVHG	
UniRef90_B0UMQ5 UniRef90_W0J2L8 UniRef90_UPI0002E9D122 UniRef90_M7NFQ7	E A A L F H N N I P C S V Y T N L I A T V K Q N T S L I T E Y F N L K K T G L Q E Y S L Y E D N I D K E V Y L N L I E A I H K N L S S L Y D Y L D F R R E F L G D Y L L E E Q E V T R E M Y D R Q I D V I M S E L P V M Q R Y A K L L Q K V H G E A H L E R N D I D P K V Y T Q L I D T V E E G L P L F H R Y L K L K E K Y V G A A R H L S N D V E P E V V E A L R N A V T K A Y P R L H R Y Y R L K A K W L G D Y L L F D Q D V D R S L Y N R Q I D L I T K E L P H M R R Y A T L I Q K A N G Q M L L Q P Q K V T E E M Y H N Q L D V I Q K E L P H M R R Y A T L I Q K A N G Q M L L Q P Q K V T E E M Y H N Q L D V I Q K E L P H M R R Y A T L L Q K A N G G S S R N L S N M V E R D V V D A L A K A V S E S Y S I S H R Y Y S L K A K W F G D S R H L A N R V E R D V V D A L A K A V S E S Y S I S H R Y Y K L K K K A L K K E E A M Y K D E L D V S I Y D N L I S V I N D K I G I L H K Y Y K L K K E V L K D Y L L H R Q K V D R E L Y D R Q I D T I T E K L P H M R R Y A K L L K D V H G D S R H L A N R V E P E V V A A L V E A V T A A Y P R L H R Y Y K L K K E V L K D Y L L H R Q K V D Q E M Y H R Q I D M I M G D L P H M R R Y A K L L K R V H G D S R H L A N R V E P E V V A A L V E A V T A A Y P R L H R Y Y K L K K R W F Q D S R H L A N R V E P E V V A A L V E A V T A A Y P R L H R Y Y K L K K R W F Q D Y L L H G Q K V D Q E M Y H R Q I D M I M G D L P H M R R Y A K L L K R V H G D Y L L H G Q K V D Q E M Y H R Q I D M I M K E L P H M R R Y A K L L K R V H G D Y L L H G Q K V D Q E M Y H R Q I D M I M K E L P H M R R Y A K L L K R V H G D S R H L A N R V E R E V Y D A L A A A V K N A Y P R L H R Y Y A K L L K R V H G D Y L L H G Q C V T P T M Y H N Q L D I I Y K E L P H M R R Y A K L L Q R V L G D F L L H D Q E V S R D L Y N R Q I D L I T K E L P H M R R Y A K L L Q R V L G D F L L H D Q E V S R D L Y N R Q I D L I T K E L P H M R R Y A K L L Q K A N K E M Y L E G D E V D T K I Y N N L I D T V G K N S E S L H K Y I S L R K K L L N L C C T S T S T S L T S T S L T S T S L T S T S	
UniRef90_F0LCR3 UniRef90_W8ACT7 UniRef90_B9EBZ0 UniRef90_R5X9Y4	DSRHLANRVEREVVDALAAAVKNAYPRLHRYYAMKAKWLGHMLLHSQQVTPTMYHNQLDIIYKELPHMQRYAKLKKDVLGDFLLHDQEVSRDLYNRQIDLITKELPHMQRYAKLLKKDVLGDFLLHDQEVSRDLYNNLIDTVGKNSESLHKYLSLRKKLLNDSRHLANRVEREVVDALVSSVHAAYPLAHRYYKLKAKWFGEAKMKGSGISTDIYKNLVKSVNNNLQPLHRWAELKAELLGEMYLESDNVDEKVYNNLIRTVNSNMDSLHKYLDLRKKVLKASRNLSNQVEDEVVNNALASAVRDSYPRLHRYYALKAKWFG	
UniRef90_D7A5A1 UniRef90_UPI00039BFB21 UniRef90_T3G003 UniRef90_UPI000477CAB8 UniRef90_I7L4K4	E A K MK G S G I S T D I Y K N L V K S V N N N L Q P L H R W A E L K A E L L G E M Y L E S D N V D E K V Y N N L I R T V N S N M D S L H K Y L D L R K K V L IK A S R N L S N Q V E D E V V N A L A S A V R D S Y P R L H R Y Y A L K A K W F G S Q Q L A Q N N I P E A L Y D V L I S K T H E H I N T V Y R Y Y D L R K K V L G	
UniRef90_R5MTB4 UniRef90_M9R3H1 UniRef90_A8MM51 UniRef90_I0C490	E A S L Y N D D I D A Q L Y D K L I E D V H K G L P F L F K Y Y K L K K K V L G A G R H L S N H V E P E V V E A L R N A V V D A Y P R L H R Y Y A L K A K W M G D S L L F S Q K V D K E L Y H R Q I D I I E K L A P H M R R Y A K L I K K T H K D Y L L H S Q E V T R D M F D R Q I D M I M R D L P V M Q K Y A K L L Q R I H G	
UniRef90_R5RFN6 UniRef90_W6RZJ1 UniRef90_UPI000317F473 UniRef90_R7BHQ1	E A S V F D D D V P S E L F F K V L E S A N K Y R H L F H R Y N R L K K E L L K D S L L F S Q K V D R D L Y N R Q I D L I M E K L P H M R K Y A K L L K K I H N E G E L F R N E I P E S V Y E T L V S A V H D H L E G E H Q Y L R L R K D C L G A S L L F G Q K V D E S M Y N R Q I D L I M E K L P H M R K Y A K L I G R I H G A A A L A P N N L P T G V F H A L I E T Y R R H L P T W H R Y W Q V R L R W L G D S R H L A N R V E R E V V D A L V A S V R A A Y P R I H R Y Y A L K A S W F K D M L L K P Q Q V T M E M Y N N I H D T L T E L A P P M R K L M K L K K R V L G	
UniRef90_L0A7H5 UniRef90_B6JC09 UniRef90_V9G8N5 UniRef90_E8SH03 UniRef90_A0A023D6Z2	A A A L A P N N L P I GV F H A L I E I Y R R H L P I WH R Y W Q V R L R WL G D S R H L A N R V E R E V Y D A L V A S V R A A Y P R L H R Y Y A L K A S W F K D M L L K P Q Q V T M E M Y N N I H D T L T E L A P P M R K L M K L K K R V L G E Y L L E E Q D V T L D M Y H R Q I D L I M S D L P I M R K Y A K L V Q Q A N G S S R N R A N M V E D E V V D A L V A A V D A D Y P R L H R Y Y S M K A R W L G A S R N L A N Q V E D D V V E A L A A A V T A A Y P S L H R Y Y A L K A K W M G	
UniRef90_UPI000225AEEA UniRef90_M2P8J2 UniRef90_U2JSU5 UniRef90_D0BLF9	A S R N L A N Q V E D D V V E A L A A A V T A A Y P S L H R Y Y A L K A K W M G S A S Q W N D D V P E A L Y K I L E K A N K Q Y R P L F H R Y N V L K K K I L K D Y L L F Q Q K V D P S M Y H R Q I D I I M K E L P I M R K Y A K L I Q K T Y G D Y L L D R Q K V S R E L Y N R Q I D L I M E H L P I M R S Y A Q L I G K L Y Q	
UniRef90_B6ITZ6 UniRef90_Q5LTK1 UniRef90_A0LFN0 UniRef90_X0QB14	SARNLANRVEDAV VEAL VSAVKAAYPTLHRYYALKARWFGTGRHLSNDVEPEV VEALREAV VAAYPKLHRYYELKRKWLGRARRNLANEAEDVMVEALVEAVSSRYDV VRRYYRLKRTLLGEAALSANEVPVKVYDNLITEVNRHLDLLHRYVALRKRILG	
UniRef90_V7I0Z4 UniRef90_Q1WVT7 UniRef90_A8ILX1 UniRef90_R4Z4N1 UniRef90_U4THU8	A S R N L A N Q V E D D V V E A L A A A V T A A Y P S L H R Y Y A L K A K WM G S A S Q WN D D V P E A L Y K L L E K A N K Q Y R P L F H R Y N V L K K K L L K D Y L L F Q Q K V D P S M Y H R Q I D I I M K E L P I M R K Y A K L I Q K T Y G D Y L L D R Q K V S R E L Y N R Q I D I I M E H L P I M R S Y A Q L I G K I Y Q S A R N L A N R V E D A V V E A L V S A V K A A Y P T L H R Y Y A L K A R W F G T G R H L S N D V E P E V V E A L R E A V V A A Y P K L H R Y Y E L K R K W L G R A R N L A N E A E D V M V E A L V S S R Y D V V R R Y Y R L K R T L L G E A A L S A N E V P V K V Y D N L I T E V N R H L D L L H R Y V A L R K R I L G D Y L L D N Q E V S R E M F D R Q I D V I L D E L P V M Q K Y V K L L Q K E R G D S R H L A N R V E R E I V V D A M V A S I R E A F P R L H R Y Y A L K A K W F G S S R N L A N E A S D E S V D A M V A S I R E A F P R L H R Y Y A L K A K W F G D Y L L D Q E V S R E M F D R Q I D L I T D E F P I M Q K Y K L Q K E R G D Y L L A D Q E V S R F D R Q I D L I T D E F P I M Q K Y K L Q K T R G D Y L L A D Q E V S H E M F D R Q I D L I L D K L P V M Q K Y A K L I G K T H G	
UniRef90_N1ZSR9 UniRef90_B9Y5Y3 UniRef90_F0GVC0 UniRef90_U1FYE7	EASL FEDGAD VPL FHQVL EMANKYHPAFWRYNEL KKKIMK	
UniRef90_V4JAH9 UniRef90_UPI0002E1E755 UniRef90_D7N8V2 UniRef90_C5FA95	DYLLQDQEVTREMFDRQIDVIMSELPIMQKYAKLLKRVHN SSMNLSNQVDDATVDTLIEVVTGRYELVQRYYRVKRDLLE EGELFDNEIPESVYDTLVATVYDHLQGEHDYMQLRQDVLG DYLLFNQGVDRKLYDRQIDLMTEKLPHMRKYAKLIKKFYN DYLLADQEVSRAMFDRQIDVIMHDLPIMRKYITHVKELWG TSRNLANEVSDESVRALVDAVRARYDIPQRWYRLKARILG	
UniRef90_UPI00036EFE1A UniRef90_A9NG69 UniRef90_UPI00046D937E UniRef90_UPI000379E50F UniRef90_M1P818	T S R N L A N E V S D E S V R A L V D A V R A R Y D I P Q R WY R L K A R I L G D Y L L Y S Q K V P K S F M D R Q I D V I M K D L P A M R K Y A K H L G K L H G E P V H L R N E L T P R A V E T L R E V T R A H Y G L A R R Y Y R W K A K V L G D F L L Q G Q E V D Q E L Y H R Q I D L M K D F A P V M R K Y I T H I K E E R G S S R N L S N E L E D R T V D A L V D S C T E R Y D I V Q R Y Y A I K K D I L G Q E P L Q M N R M S E G T L D A M W S A I E E S K P Q L I A Y L E R K A K L L G E P T N L G N E I P N E V V E S L M R V S E E N Y P L A Q E Y F R L K A Q L L G	
UniRef90_W1P818 UniRef90_UPI0003675C6F UniRef90_B5EI50 UniRef90_UPI0003900352	S S R L S NE L E D R I V D A L V D S L I E R Y D L V Q R Y Y A I K R D I L G Q E P T N L G N E I P N E V V E S L M R V S E E N Y P L A Q E Y F R L K A Q L L G E M S L Y G D N L P K T V Y T N L I D T V H K S L P L M Y R Y M E L R K K L L G	

```
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
                                                                                                                                                                                                                                                                                                          UniRef90_E5V211
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
 UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
 UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_UFI00047582BE
UniRef90_UPI00047582BE
UniRef90_R7M5A3
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_UPl0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
 UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
 UniRef90_R5MTB4
UniRef90_M9R3H1
 UniRef90 A8MM51
 UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_V9G8N5
UniRef90_W20G8N5
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UZJSU5
UniRef90_UZJSU5
UniRef90_UZJSU5
UniRef90_D8LF9
UniRef90_B6ITZ6
UniRef90_B6ITZ6
UniRef90_A0LFN0
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_Q1WVT7
UniRef90_Q1MI
 UniRef90_R5RFN6
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
 UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
 UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UP1000379E50F
UniRef90_M1P818
UniRef90_UP10003675C6F
UniRef90_B5EI50
```

DEDEEDDEEDEEEET

DAEEDERREDEREDDEQREEDDERDDD

UniRef90_UPI00034C46E8	370 380 390 400 Y E T R M F R T A R Y D V R E T P G K R S G A Y N M G Y G V H P F V L L
UniRef90_UPI0003647926 UniRef90_E5V2I1 UniRef90_B9DWG9 UniRef90_Q65NS9	Y L E N V K T A F A E G W I D V Y G N E G K Q G G A Y S W G S Y D S K S Y I L L Y V N S M R K A F T E R W I D I Y P N K G K R S G A Y S T G A Y T T K P F I L L Y S D I V H Q A F T E R W I D V Q V K K G K R S G A Y S G G S Y D T N A F M L L Y T E V M E T A L T E R W V D L A D N I G K S T G A F C S S P Y G A H P F I L M
UniRef90_D1AV22 UniRef90_R5HDL6 UniRef90_M8EB20	Y T E V M E T A L T E R W V D L A D N I G K S T G A F C S S P Y G A H P F I L M Y V K L I K K A F D E R W I D Y A E N E G K R S G A Y S S G T Y G T N P F I L I Y I K I I N K A F D E K W I D V Y N N V G K R S G A Y S S G F Y D T N P Y V L L Y V K V L A E G L E S G W V D V Y S T D D K R N G A Y Q W G T Y D T H P Y V L L Y V N I L K A G F D N G W I D I Y E N K G K R S G A Y S C G A Y I H P Y V L L
UniRef90_R6R406 UniRef90_C7HWD4 UniRef90_I5B737	Y
UniRef90_UPI0003786070 UniRef90_UPI0003601793 UniRef90_E6U0B6 UniRef90_V5WJ49	Y A E I E Q G L Y N R W V D R A D N G K R S G A F C S S P Y G V H P Y L M Y M D M E E A F S R W D Y A D N A G K S T G A F C A S Y G E H S Y L M Y Y E M K K G L T E R W V D R A D N G K A T G A F C A S P Y G S H P Y L M Y V S T L S K G L N G G W V D K Y E N K G K R S G A F S A G S F Y G E P Y L M Y Q G L L T E A Y E N G W D V C E T K G K R S G A Y S T S T Y G C H P F V L L
UniRef90_R5FV46 UniRef90_B2GEM0 UniRef90_R5J8I7	Y I A GILIK E E F D H R WILD A A E N A G K R S G G Y QILIS V Y K A N P F IL L L YILIK DILIS K A ILID S G WV D V Y F N T G K R S G A Y S W G C Y N A H P Y V L L
UniRef90_S5ZNV4 UniRef90_R5YF43 UniRef90_I7A450	YI KHVEQAFQERWLDVYPRPKKYIGGYNISAYDIHPFILL YI KDL NNLFNSN <mark>C</mark> I D <u>VY</u> YNNNKKSGAYSSGTYDTLPYVLL YVNTVKKAFEERWI DFI PNKGKRSGAYSSGAYDFHPYILM
UniRef90_R5VML6 UniRef90_A0A017PLC5 UniRef90_S7J2T1 UniRef90_R5MVT6	Y K D K N
UniRef90_U7PGI1 UniRef90_UPI0001E898F9 UniRef90_S5YAH9	Y L N MV Q A A Y D D R WI D F A Q N K G K E T G A Y C A S P Y A S H S Y V F I Y L K T L S Q G L S S N WV D V Y N T P G K A T G A Y Q I G S Y D S H P F V L L L A A L A K P F F D K G WI D A G V K P G K A P G A F A H P A V V T H P Y V L L
UniRef90_M1E9G0 UniRef90_D7WNX5 UniRef90_UPI0002D82E86	Y D A Q K A F S E R W D V Y E N K N K A S G A Y S T S C Y D V H P Y I L L Y N Q L M E R A E R R W D Y A D N E G S F C A S P Y G V H P Y I L L L L L
UniRef90_C7JD92 UniRef90_I4YTP9 UniRef90_UPl00047582BE UniRef90_C3WGK0	MGKVINTFLTNPWIDVPPAPGKSPGAFAHPVPSAHPYILL MADIARRFFDEQWIDAPTRPGKAPGAFAHPVPSAHPYVLL MAELADRFFEHRWIDAGVRPGKAPGAFSHPVPSAHPYVLM YQAKMKRAISEGWLDVFETKNKRSGAYSINLYDVHPYMLL
UniRef90_R7M5A3 UniRef90_UPI000407450D UniRef90_B0UMQ5	Y [] E [
UniRef90_W0J2L8 UniRef90_UPl0002E9D122 UniRef90_M7NFQ7	MAEIARTFFEGGWI DAPVRPGKAPGAFAHPVPSAHPYVLVYRQKTGELLDGRRI DVYENEGKRSGAYSAGVYGVGPYVLMYLGMVNRAYDERWI DFVKNKGKSTGAFCSSPYGTHPYI LIYSEMLKRSYDERWI DFAQNKGKSTGAFCSSPYGVHPYI LIMADI ARRFFDEQWI DAPARPGKAPGAFAHPVPSAHPYVLV
UniRef90_F0LCR3 UniRef90_W8ACT7 UniRef90_B9EBZ0 UniRef90_R5X9Y4	MADI ARREFDEQWIDAPARPGKAPGAFAHPVPSAHPYVLV ISRMLVKAKNERWVDRADNIGKATGAFCSSPYGYHPYILL YMQLVNDSYDKRYIDFVQNKGKSTGAFCASPYATNPFILI YEDI AYKAFNEKWVDVYSNENKVGGGYCLSVYANHPYILL
UniRef90_D7A5A1 UniRef90_UPI00039BFB21 UniRef90_T3G003	MADILART F F D K S WII D A G V R P G K A T G A F A H P V IP S A H P Y V L L L Q K F T E K M Y S E N L I D V F E N Q G K E S G A Y M S S T W D L P P R I K L Y N D V V Y K A F N F K W II D V Y S H F N K V S G G Y O I S V Y F N H P Y I L I
UniRef90_UPI000477CAB8 UniRef90_I7L4K4 UniRef90_R5MTB4	LAAVGQKFFDNAWIDVPARPGKASGAFAHPVPSAHPYLLL YVNQVKEALNNRWIDVAENVGKSSGGFEIGIATVHPYILL YISVIDKAFNENWIDVFENKGKKSGAYSWGSYTTAPYILT MADIAKPFFTEGWIDAGVKDGKAPGAFAHPTVTTHPYVML
UniRef90_M9R3H1 UniRef90_A8MM51 UniRef90_I0C490 UniRef90_R5RFN6	YLEMIERAYNERWIDFWQNKGKSTGAFCSSPYGKHPYILI YTNMLREAYDQRWIDFAQNKGKDTGAFCASPYFTHSYVFI YLDIINKARNERWIDYYPTPGKRIGAYSSGSYDTNPFILIM
UniRef90_W6RZJ1 UniRef90_UPl000317F473 UniRef90_R7BHQ1	Y D M V K K A Y D E R W D F A Q N K G K S T G G F C A S P Y G S H S F I L L L L L L L L L
UniRef90_L0A7H5 UniRef90_B6JC09 UniRef90_V9G8N5 UniRef90_E8SH03	Y V E V M R A GLT E R W V D L Y P N A G K R Q G A Y S S G V P G G L P Y I F M M A S I A K R F F D D R W I D A P V R A G K A P G A F S H P T P S A H P Y V L M Y G E I V T S S F S Q R W V D Y A D N I G K S T G A F C A S V Y G L H S Y I L M Y V E M L H Q A Y D A R W I D F P Q N K G K E T G A Y C A S P Y A S H S Y I F I
UniRef90_A0A023D6Z2 UniRef90_UPI000225AEEA UniRef90_M2P8J2	YVEMLHQAYDARWI DFPQNKGKETGAYCASPYASHSYI FI LGELVGRFMDNPWI DAAPVPGKSSGAFAHPVPSAHPYVLM MAEIGKRFFDNPWI DVPAKPGKRSGAFAHPVPSLHPYLML YINLI KQARQERWI DFYPTKGKRLGGYSSGCYDTRPYI LL YMSYVRPYFKDRWVDYAQNAGKTSGGFCASPYRLHPFI LL
UniRef90_U2JSU5 UniRef90_D0BLF9 UniRef90_B6ITZ6 UniRef90_Q5LTK1	Y MSYVRPYFKDRWVDYAQNAGKTSGGFCASPYRII HPFII LLYLSIMKRAFDERWIDYAETIGKRTGAFCASPYRII HPFII LLYLSIMKRAFDERWIDYAETIGKRTGAFCASPYRII HPFII LLWAGEIAAVGQRFFDKAWIDAPTRPGKDPGAFAHPVPAAHPYLLLWGEIAAPFSKGWIDAAVKPGKAPGAFAHPTVEVHPYVML
UniRef90_A0LFN0 UniRef90_X0QB14 UniRef90_V7I0Z4	FAEL AS DEFERHNWI HAPVLPGKRSGAFSHPVPSCHPYVLV YVSHVKEEFNNRWI DVVENRYKRSGGYSSGTYDTNPFI LL YLNSLMPAFKERWI DFVANAGKESGGFETTPYGLHPYI LM YKNAI LKAFPERWVDFPANAGKESGGFETTPYGLHPYI LM
UniRef90_Q1WVT7 UniRef90_A8ILX1 UniRef90_R4Z4N1	LAGIVREFIDGNWIDAPVRSGKRPGAFCAYTVSHHPYLLL
UniRef90_U4THU8 UniRef90_N1ZSR9 UniRef90_B9Y5Y3 UniRef90_F0GVC0	YHDMI MRYFPDRWVDFVGNVGKETGGFCAQPYRVHPYILM YAKMVMRSFDERWVDFAVNAGKETGGFETDPYGVHPYILM YQALLKRARTERWIDYYPHQDKRGGAYSWGTYDSNPFVLT YGSYLKKAFSDRWIDYSQNIGKRTGAFCASPYNSHPYIMT
UniRef90_U1FYE7 UniRef90_V4JAH9 UniRef90_UPI0002E1E755	Y L N M V E T A Y R D R W I D F A Q N K G K E T G A Y C A S P Y A S H S Y V F I M E G A A D R F F T E S W I H A P V Q Q G K R G G A F A H P C P S V H P Y I M V Y L D G L R A E F S G S W I D A A E N V G K R S G G Y E S E V Y D V H P Y I L L
UniRef90_D7N8V2 UniRef90_C5FA95 UniRef90_UPI00036EFE1A	Y L D V A M S S Y S N R WI D F A N N L G K S T G G F C A S P Y K C D S F I L L Y Q A Q M M Q A F T D H WI D F P A N Q G K D S G A Y T A G P Y G V H P Y V E M M E R H A R R F F D F K WI D A P V R P G K R G G A F A S S V P S V H P Y V M L
UniRef90_A9NG69 UniRef90_UPI00046D937E UniRef90_UPI000379E50F UniRef90_M1P818	YLEI VRRSFDERWI DFPQNVGKSTGGFCSSPYGQNSFI LIFELARGFFEEGRI DAAPRPGKAGGAFCMGVPDLPVYVLM YVQKIMPAFEERWVDFARNIGKRSGAFCSGAYDVHPYI MM MADLANLFFDNNWI HAPLLDGKRGGAFAHPVPDANPYVLV
UniRef90_UPI0003675C6F UniRef90_B5EI50 UniRef90_UPI0003900352	MADFAETAFRDGWIEAEDRPGKRPGGFCTSFPRTQTRIFM FAELADSFFTGKRVDVLPRPGKSGGAFCMGLPSLPPYLLL YGKALREGYSNSWIDVYENEGKRSGAYSWGAYGTHPYVLL

```
SYSGOGOGOSSAGINA

SYST SAGINA

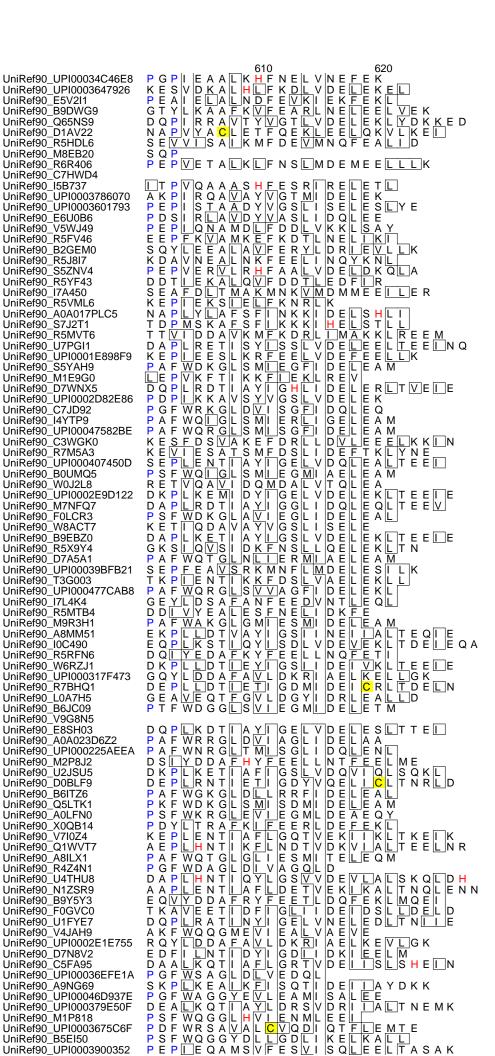
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        440
                                                                                                                                                                                                                                                                                                                       OTMON SIGNOCHOTOMED SOLVE SENDED SOLVE SENDED SOLVE SOLVE SENDED SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE SOLVE S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
    UniRef90_E6U0B6
UniRef90_V5WJ49
  UniRef90_B2GEM0
    UniRef90_R5J8I7
UniRef90_S5ZNV4
    UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5YF4.3
UniRef90_R5YF4.3
UniRef90_R5VML6
UniRef90_R5VML6
UniRef90_S7JZT1
UniRef90_S7JZT1
UniRef90_VFGI1
UniRef90_UPI0001E898F9
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_UPI0002D82E86
UniRef90_UPI00047582BE
UniRef90_UPI00047582BE
UniRef90_UPI00047582BE
UniRef90_UPI0004758DU
UniRef90_UPI000407450D
UniRef90_UPI0002E9D122
UniRef90_W0JL8
UniRef90_W0JL8
UniRef90_W0JL8
UniRef90_W0JC8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOFF LLLVVF LVF FLCFT LXTLX LLFF
  UniRef90_R5X9Y4
UniRef90_D7A5A1
    UniRef90_UPI00039BFB21
UniRef90_T3G003
  UniRef90_UPI000477CAB8
UniRef90_I7L4K4
    UniRef90_R5MTB4
UniRef90_M9R3H1
    UniRef90_A8MM51
UniRef90_A8MM51
UniRef90_IOC490
UniRef90_IOC490
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_R7BHQ1
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_E8SH03
UniRef90_A0A023D6Z2
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI00025AEEA
UniRef90_Q5LTK1
UniRef90_A0LFN0
UniRef90_A0LFN0
UniRef90_A0LFN0
UniRef90_A8ILX1
UniRef90_A8ILX1
UniRef90_N1ZSR9
UniRef90_N1ZSR9
UniRef90_N1ZSR9
UniRef90_B75Y3
IlbiBef90_E0CYC0
    UniRef90_I0C490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 L
F
F
L
L
L
L
L
L
L
L
L
L
L
  UniRef90_B9Y5Y3
UniRef90_F0GVC0
    UniRef90_U1FYE7
UniRef90_V4JAH9
  UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
    UniRef90_A9NG69
UniRef90_UPI00046D937E
    UniRef90_UPI000379E50F
UniRef90_M1P818
  UniRef90_UPI0003675C6F
UniRef90_B5EI50
```

```
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
                                                                                          UniRef90_E5V211
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_M1E9G0
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_UPI00047582BE
UniRef90_UPI00047582BE
UniRef90_R7M5A3
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_W0J2L8
UniRef90_UPl0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
UniRef90_R5MTB4
UniRef90_M9R3H1
UniRef90 A8MM51
UniRef90_I0C490
UniRef90_R5RFN6
UniRef90_R5RFN6
UniRef90_W6RZJ1
UniRef90_UPI000317F473
UniRef90_L0A7H5
UniRef90_B6JC09
UniRef90_V9G8N5
UniRef90_V9G8N5
UniRef90_W20G8N5
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UZJSU5
UniRef90_UZJSU5
UniRef90_UZJSU5
UniRef90_D8LF9
UniRef90_B6ITZ6
UniRef90_B6ITZ6
UniRef90_A0LFN0
UniRef90_A0LFN0
UniRef90_X0QB14
UniRef90_V7I0Z4
UniRef90_Q1WVT7
UniRef90_Q1WVT7
UniRef90_Q1MI
UniRef90 R5RFN6
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
```

```
UniRef90_UPI00034C46E8
UniRef90_UPI0003647926
UniRef90_E5V2I1
                                                                                                                                                                                                                                                                                                                                         <mark>Ħ</mark>QKKEKKD<u>D</u>VKGG<u>D</u>KKKTKK<u>H</u>EHLDEHRADAEBENDEHENDEHENDEHENDEHENDEHRALEHENATKKEGENANDEDEHRAKKERENRADKOHDDE
UniRef90_E5V211
UniRef90_B9DWG9
UniRef90_Q65NS9
UniRef90_D1AV22
UniRef90_R5HDL6
UniRef90_M8EB20
UniRef90_R6R406
UniRef90_C7HWD4
UniRef90_I5B737
UniRef90_UPI0003786070
UniRef90_UPI0003601793
 UniRef90_E6U0B6
UniRef90_V5WJ49
UniRef90_R5FV46
UniRef90_B2GEM0
 UniRef90_R5J8I7
UniRef90_S5ZNV4
UniRef90_R5YF43
UniRef90_I7A450
UniRef90_R5VML6
UniRef90_A0A017PLC5
UniRef90_S7J2T1
UniRef90_R5MVT6
                                                                                                                                                                                                                                                                                                                                               UniRef90_R5MVT6
UniRef90_U7PGI1
UniRef90_U7PGI1
UniRef90_UPI0001E898F9
UniRef90_S5YAH9
UniRef90_D7WNX5
UniRef90_UPI0002D82E86
UniRef90_C7JD92
UniRef90_UFI00047582BE
UniRef90_UPI00047582BE
UniRef90_R7M5A3
UniRef90_R7M5A3
UniRef90_UPI000407450D
UniRef90_B0UMQ5
UniRef90_W0J2L8
UniRef90_W0J2L8
UniRef90_UPl0002E9D122
UniRef90_M7NFQ7
UniRef90_F0LCR3
UniRef90_W8ACT7
UniRef90_B9EBZ0
UniRef90_R5X9Y4
UniRef90_D7A5A1
 UniRef90_UPI00039BFB21
UniRef90_T3G003
UniRef90_UPI000477CAB8
UniRef90_I7L4K4
 UniRef90_R5MTB4
UniRef90_M9R3H1
 UniRef90 A8MM51
 UniRef90_I0C490
UniRef90_RC490
UniRef90_RC5RFN6
UniRef90_W6RZJ1
UniRef90_W6RZJ1
UniRef90_R7BHQ1
UniRef90_R7BHQ1
UniRef90_B6JC09
UniRef90_B6JC09
UniRef90_P38N5
UniRef90_B8H03
UniRef90_B8H03
UniRef90_B8H03
UniRef90_B8H03
UniRef90_B8H03
UniRef90_W2P8J2
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI000225AEEA
UniRef90_UPI0025AEEA
UniRef90_UPI0025AEEA
UniRef90_UPI0025AEEA
UniRef90_VI0025AEEA
UniRef90_VI0024
UniRef90_Q1WVT7
UniRef90_Q1MVT7
UniRef90_A8LX1
 UniRef90_R5RFN6
UniRef90_A8ILX1
UniRef90_R4Z4N1
UniRef90_U4THU8
UniRef90_N1ZSR9
UniRef90_B9Y5Y3
UniRef90_F0GVC0
 UniRef90_U1FYE7
UniRef90_V4JAH9
UniRef90_UPI0002E1E755
UniRef90_D7N8V2
UniRef90_C5FA95
UniRef90_UPI00036EFE1A
 UniRef90_A9NG69
UniRef90_UPI00046D937E
UniRef90_UPI000379E50F
UniRef90_M1P818
UniRef90_UPI0003675C6F
UniRef90_B5EI50
```

	F20 F40 FF0 F00
UniRef90 UPI00034C46E8	530 540 550 560 Q G N L L T L D E E V K Y G W S R I P H F Y R P F Y V Y K Y A T G F A S A L Q I
UniRef90_UPI0003647926	Y G E S C E IL IN E QII IGIL IE WA R II IP H F F S N F Y IV IY K Y A T G F S A A S A IL I
UniRef90_E5V2I1 UniRef90_B9DWG9	Y G D A F E Y D E E I K Y E WA R V P H F Y Y N Y Y V Y Q Y A T G Y S A A Q A L Y N L P K E E N S F L Q Y E WA R L P H F Y Y N Y Y V Y Q Y A T G F A A A N Y L
UniRef90 Q65NS9	WGSG V K V DEGAS L TWMRQPHYYMG L YPYTYSAG L TAST IV
UniRef90_D1AV22	Y G E A T Y D D N R Y E W A R P H F Y Y N F Y V Y Q Y A T G M S A A S A F
UniRef90_R5HDL6 UniRef90_M8EB20	F G D G V Y V D D E I K Y E W S R I P H F Y Y D F Y V Y K Y A [G [S S A C Y I Y G K D M V S D E E I S M E W A R V S H F F N Y Y Y V Y Q Y A T S F A A S Q A L
UniRef90_M6EB20	F G P D MEI D D N I A LE WAR I P H F Y Y D Y Y V Y Q Y A T G F S A A I A L
UniRef90_C7HWD4	F G K D T E V D K Y I S T E WA R I P H F Y M F Y Y V F Q Y A T G F S S A V S L
UniRef90_I5B737 UniRef90 UPI0003786070	F G D N M I I D E A L T L E CLR L P H F Y S S F Y V Y K Y A T G L A A A L G I W G D A V L I D E G A G L T W M Q Q P H Y Y M G L Y P Y T Y S A G L T A S T A V
UniRef90_UPI0003601793	WGDTVEII DEGARILIT WMRQPHYYMGILIYPYTYAAGILITASTAA
UniRef90_E6U0B6	WGDSIVVIDEYAGII ITWMRQPHYYMGII IYPYTYSAGII ITASTAIVI
UniRef90_V5WJ49 UniRef90_R5FV46	F G E D V E L P E L S A L E G L R I P H F Y R A F Y V Y K Y A T G L S A A I S L Y G K A V T H N D L I R Y E WA R I P H F Y T S F Y V Y Q Y A T G I T A A I S I
UniRef90_B2GEM0	Y G P D V A L L D G T A T S WA Y V P H F Y M N Y Y V Y Q Y A T S W A A S T S L
UniRef90_R5J8I7 UniRef90_S5ZNV4	H G K D V K Y D E Y L K Y E W S R I P H F Y T P F Y V Y Q Y A T G L S L A L L I Y G P A Y A A D P G A A R G W L R I P H F Y D A F Y V Y K Y A T S L A A S Y A I
UniRef90_R5YF43	FSNA YVDDNIKYEWARI PHFYTSFYVYKYATGI SVALSL
UniRef90_I7A450	Y G P A Y A A D P G A A R G W L R I P H F Y D A F Y V Y K Y A T S L A A S Y A I F S N A Y V D D N I K Y E WA R I P H F Y T S F Y V Y K Y A T G I S V A L S L Y G D D C V V D P Y V A Y E WA Y I P H F H Y T Y Y V Y Q Y S T S L I Y A T A F Y G D N V L S D K L I G Y E W S R I P H F Y T P F Y V Y K Y A T G F M A A V S L
UniRef90_R5VML6 UniRef90_A0A017PLC5	Y G D
UniRef90_S7J2T1	Y G K V V T P D S L S G L E WA R I P H F Y Y N F Y V Y Q Y A T G L V A A L C F
UniRef90_R5MVT6 UniRef90_U7PGI1	EGDAIVIEILISEGAEILITWMROPHYYMGILIYSYTYSAGILITILIGTIVIM
UniRef90_UPI0001E898F9	YGKDMEVDKELAMEWARVPHFFHSFYTYQYATSFAASAAL
UniRef90_S5YAH9	Y G K D MEV D K E LA ME WARV PHFFHSFYTY QYATSFAASAAL LGDAFEFMPGYETFWSYVPHFHSPFYVYAYAFGDGL VNAL YGDLFETDEYSGVEWSRLPHFYSPFYVYKYATGFSCANYF
UniRef90_M1E9G0 UniRef90_D7WNX5	WGD IV VIISEGA EILII WMR QPH YYMGILIYPY I YSAGILII II IS I QIVI
UniRef90_UPI0002D82E86	WG DVVEL DEGAELT WMRQPHYYMGLYPYTYSAGLTASTAV
UniRef90_C7JD92 UniRef90_I4YTP9	L G P A F N F T P E Y D V F WA Y I P H F I H P F Y V Y A Y A F G D C L V N A L L G P A I R L G P G Y E S F W T Y I P H F I H P F Y V Y A Y A F G D C L V N S L
UniRef90_UPI00047582BE	L G P A V R L G P G Y E S F WT Y V P H F I H P F Y V Y A Y A F G D <mark>C</mark> L V N S L
UniRef90_C3WGK0 UniRef90_R7M5A3	FGESITIDELQKIIWSRIPHFFRPFYVYQYATSFASSAKL FGNDVYVDDYLRYEWARLPHFYYNFYVYKYATGLSAASYL
UniRef90_UPI000407450D	WG E D V E I T E G A E L T WM R Q P H Y Y M G L Y P Y T Y S A G L T I A T E M
UniRef90_B0UMQ5	LGPAIRLDEGYEPFWAYIPHFIHPFYVYAYAFGDCLVNSL YGDAIAPDDLYKFTWARLPHFYNPYYVYQYATCFASSAHL
UniRef90_W0J2L8 UniRef90 UPI0002E9D122	Y G D A I A P D D L Y K F T WA R L P H F Y N P Y Y V Y Q Y A T C F A S S A H L WG D D V E I T E G A E L T WM R Q P H Y Y M G L Y P Y T Y S A G L T I A T S M
UniRef90_M7NFQ7	WGSDIVITII IE EGAEIL IT WMRQPHYYMGIL IYPYTYSAGIL ITII ISTQIVI
UniRef90_F0LCR3 UniRef90_W8ACT7	UGPAIKI SEGYETWWTYTPHFTHPFYVYAYAFG <mark>DC</mark> LVNSL WGDAVEITERAG <u>R</u> TWMRQPHYYMGLYPYTYSAGLT <u>A</u> AT <u>K</u> A
UniRef90_B9EBZ0	WGDAIVIEII IT EGAEIL IT WMRQPHYYMGIL IYPYTYSAGIL ITII IATIL IM
UniRef90_R5X9Y4 UniRef90_D7A5A1	YGKDFEVDPLAMIGWSRIPHFYNSFYVYKYATGCSSAISF LGEALHLGPGYEAYWVYIGHFLHPFYVYAYAFGDCLVNSL
UniRef90_UPI00039BFB21	MCD CMEILITEEEAVCMCDILIDUEVVNVVNVAVATCEAACEVILI
UniRef90_T3G003	Y G Q S Y E L D Q L S K V G W A R I P H F Y N S F Y V Y K Y A T G C S A G V S F
UniRef90_UPI000477CAB8 UniRef90_I7L4K4	LGPATRFEPEYAHYWSYIPHFHTPFYVYAYAFGD <mark>C</mark> LVNSL NGEQIVPDDSYAVQFASVPHFYYNFYVYQYATSYAVASAI
UniRef90_R5MTB4	FAKNII IKII IDƏKII IKTEWAKII I <mark>PH</mark> FTDƏFTIVITKTAL GILIĞII IAƏTII
UniRef90_M9R3H1 UniRef90_A8MM51	LGPVFNFMDGYETFWAYI PHFHSPFYVYAYAFGDGLVNAL WGEDVIINEGAELTWMRQPHYYMGLYPYTYSAGLTVATEV
UniRef90_I0C490	F G D A IV ID M T E G A E IL IT WM R Q P H Y Y M G IL IY S Y T Y S A G IL IT II IG T IV V I
UniRef90_R5RFN6 UniRef90_W6RZJ1	Y G K D V T M D E L V G W S C Y Y V P H F Y Y D Y Y V Y K Y T L G M T V A L A I WG D D V K L L D G A E L T W M R Q P H Y Y M G L Y S Y T Y S A G L T I G T E V
UniRef90_UPI000317F473	S G P A F S A T S S F DILI <mark>H</mark> W A WIVIP H F Y Y N Y YIVIY O Y A T S M A ILIS TILLI
UniRef90_R7BHQ1	WGDAVELTDGAELTWMRQPHYYMGLYSYTYSAGLTIATQV YGDAVEVDERSGLTWAMFSHLYSNFYVWQYATGLSAAHAL
UniRef90_L0A7H5 UniRef90_B6JC09	II IGPAII IFII IKPGYETEWMYII IPHFII IHPFYIVIYAYAEGD <mark>C</mark> II VINSII I
UniRef90_V9G8N5	WGDAILIDILIDDDAKILIT WMRQPHYYMGILIYPYTYAAGILITASTAIVI
UniRef90_E8SH03 UniRef90_A0A023D6Z2	L G P A F H F T P D Y D L Y WS Y V P H F H S P F Y V Y A Y A F G D C L V N A L
UniRef90_UPI000225AEEA	LGDAVNLDERLTPYWAYISHFLHPFYVYAYAFGDCLVNSL
UniRef90_M2P8J2 UniRef90 U2JSU5	WGDAVKI NDGA ELT WMR QSHYYMGLYSYTYSA GLTLSTVI
UniRef90_D0BLF9	WGDSVVLTEGAELTWMRQPHYYMGLYSYTYSAGLTIGTQV
UniRef90_B6ITZ6 UniRef90_Q5LTK1	IIIGPAEREDESYRIYWAYIIIPHEHSPEYIVIYAYAEGD <mark>C</mark> II VINSII I
UniRef90_A0LFN0	FGDSVTUTGDYRUWWSYLPHFUHPGYVVAYAFGFULVUSL
UniRef90_X0QB14 UniRef90_V7I0Z4	Y G D G V V S D E Q I S L E W S R I P H F Y Y N F Y V Y Q Y A T G F A A A S T L WG D A V D I D E D A G L T WM R Q S H Y Y M G L Y S Y T Y S A G L T I S T Q A WG D A V D I D E N A G L T WM R Q S H Y Y M G L Y S Y T Y S A G L T I A T Q A L G P A I N L S A G Y E T F W T Y I P H F L H P F Y V Y A Y A F G D C L V N S L
UniRef90_Q1WVT7	WGDAVDI DENAGLITWMRQSHYYMGLIYSYTYSAGLITI ATQA
UniRef90_A8ILX1	LGPAINLSAGYETFWTYIPHFIHPFYVYAYAFGD <mark>C</mark> LVNSL LGDTVEVTDGYR <u>N</u> WWSY <u>V</u> PHFMTP <u>G</u> YVYAYAFGQLLALSV
UniRef90_R4Z4N1 UniRef90_U4THU8	WGDALQLDDNSDLTWMRQSHYYMGLYSYTYSASLTVSTQA
UniRef90_N1ZSR9	WGDAVVIDERAALTWMRQSHYYMGLYSYTYSAGLTIATQA
UniRef90_B9Y5Y3 UniRef90_F0GVC0	Y G P A V T V H E L E K Y K C Y S V P H F Y Y N F Y V Y K Y T I G M S V A L S F WA D S V K L N D G S E L T W M R Q P H Y Y M G L Y P Y T Y S A G L T I G T V L
UniRef90_U1FYE7	F G D S V K L S D G A E L T W M R Q P H Y Y M G L Y S Y T Y S A G L T I G T V M
UniRef90_V4JAH9 UniRef90_UPI0002E1E755	F G D A V T L R D E Y R L WWS Y L P H F L H P G Y V Y S Y A F G E L V L A L N G P A V T F E D E K N T G WA G V P H F Y Y N Y Y V Y Q Y A T S M A I S T T I
UniRef90_D7N8V2	WADAIVIEILIDDYAAILITWMROPHYYMGILIYSYTYSAGILISILIATEIVI
UniRef90_C5FA95	WGPAVEL EEGAELT WMRQSHYYMGLYSYSYSAGLTVATQA LGDSVELTDGYRTWWSYVPHFGTPGYVYAYAYGQLLALSV WGDAVVIPDYAGLTWMRQPHYFMGLYPYTYSAGLTLGTVV
UniRef90_UPI00036EFE1A UniRef90_A9NG69	WGDAVVI PDYAGLTWMRQPHYFMGLYPYTYSAGLTLGTVV
UniRef90_UPI00046D937E	Y G D AIVIE QIVIP A A R WA WS AII IP H E IVIH I E Y C Y A YIVIE G E II I V I IAII I
UniRef90_UPI000379E50F UniRef90_M1P818	WGDAVELEPGSELTWMRQPHYYMGLYPYTYSAGLTIATQA FGDAVTLGDHYKLWWSYLPHFLHPGYVYSYAFGELLVLAL
UniRef90_UPI0003675C6F	FGGAVE RKHPSFWASKLHFYVPFYNFPYTFGYLFSTGI YGDAVEMIEPYRYGWSYISHFLHAFY <mark>C</mark> YSYT <mark>C</mark> AELVVLSL
UniRef90_B5EI50	Y G D A VE MILE PYRYGWSYISHFIHAFYCYSYTCAELVVLSL
UniRef90_UPI0003900352	Y G K G M V V D Q D L E M E W A R L P H F Y N S F Y V Y K Y A T G F S A A T S F

UniRef90 UPI00034C46E8	570 580 590 600 A G N L L K G K Q E T V E A Y L H F L K S G S S D Y P L E L N K T G V N L S K
UniRef90_UPI0003647926 UniRef90_E5V2I1	
UniRef90_B9DWG9 UniRef90_Q65NS9	S R LI L A D S K N A K L Y L D E F L S K G N S D Y P L N V L R N A G V D M S K A H Q V V H G S D E D K E N Y L N Y L K S G N S D Y P L N V I K K A G V D M T D S Q Q I K E E G R P A V D R W L N V L K A G G T M K P L D L L K H A G V D M S T A K K I L T E G R P A V E K Y I N Y L K S G A S D Y S L N L L K N A G V D M N T V E G I L N N K E N A L E N Y L K F L K T G G S M Y P I D E L K V A G V D M S T A K Q V M D E G E T A V E R Q K N F L E A G N S A P P I E V L K A A G V D M S T
UniRef90_D1AV22 UniRef90_R5HDL6	AKKI LITEGRPAVEKYI NYLKSGASDYSLNI LKNAGVDMNT
UniRef90_M8EB20 UniRef90_R6R406	A K Q V M D E G E T A V E R Q K N F L E A G N S A P P I E V L K A A G V D M S T S D K I L N D G E P A V R R Y L N F L C S G C T K D P V S L L R D A G V D M S G
UniRef90_C7HWD4 UniRef90_I5B737	S F K H G D F K D F K Y N F K A G K S K Y P F V K D A G V D M T K
UniRef90_UPI0003786070 UniRef90_UPI0003601793	A Q M I E K E G K P A V E R WL A A L K A G G T L K P L E L M Q L A G V D M S T M Q R I R E E G Q P A V D R WL T A L K A G G S L P P L E L M Q L A G V D M S G
UniRef90_E6U0B6 UniRef90_V5WJ49	A K K I Q E E G Q P V V D R W L E V L K A G G T M S P Q K L M E H A G V D M T N S Q R V L N G G D T E R E D Y F K F L K S G G S R F P L E S L A V A G V D M S S
UniRef90_R5FV46 UniRef90_B2GEM0	Á N N I L K N G E K A F K G Y K Q F L S Á G G S M P P I E T L K L A G V D L T T A S A V W Q H K P G A K E A Y L N F L S A G G S A A P L E I L K R A G V D A T T
UniRef90_R5J8I7 UniRef90_S5ZNV4	ANKI YNGDKDMLNKYLEFLKSGSNDYPTKLVEKMGI NI VSDI KDDQSEALKRYKQFLRSGTSDDPI RLLKRAGVD <u>MT</u> S
UniRef90_R5YF43 UniRef90_I7A450	VSDI LNNKPHALDNYLLFLKSGGSNYPLEI LKK <mark>C</mark> GI DI VN AEKI VNEGQPAVDKF <u>YHI</u> LKGG <u>S</u> SEYPI DLI KK <u>A</u> GI DPLS
UniRef90_R5VML6 UniRef90_A0A017PLC5	ATDILNNKPQSLENYLNFLASG <mark>C</mark> SKYPLDTLKA <mark>C</mark> GVDMTT LEKILANEENALT <u>S</u> YLDFLKSGGSDFPLEILKKSGLDMTT
UniRef90_S7J2T1 UniRef90_R5MVT6	A E K I L N K E P D S L D L Y L K F L K S G G S D F P L N I L N D S G L N M A T A N D I L N N K E G A L E N Y L N F L K S G G S D Y P L N I L A K C G I D M H K
UniRef90_U7PGI1 UniRef90_UPI0001E898F9	A QRI T D K G K A A V D D Y L D F L K L G G A M F P I D E L R V A G V D M A T A Q M I E K E G K P A V E R W L A A L K A G G T L K P L E L M Q L A G V D M S T M Q R I R E E G Q P A V D R W L A A L K A G G S L P P L E L M Q L A G V D M S T M Q R I R E E G Q P A V D R W L E V L K A G G S R F P L E S L A V A G V D M S S A K K I Q E E G Q P V V D R W L E V L K A G G S R F P L E S L A V A G V D M S S A N N I L K N G E K A F K G Y K Q F L S A G G S M P P I E I L K L A G V D D A T T A S A V W Q H K P G A K E A Y L N F L S A G G S N D Y P T K L V E K M G I N I T A N K I Y N G D K D M L N K Y L E F L K S G S S N D D P I R L L K R A G V D M T S V S D I L N N K P H A L D N Y L F L K S G G S S N Y P L E I L K K C G I D D V N A E K I V N E G Q P A V D K F Y H L L K G G S S E Y P I D L I K K K C G I D D L S A T D I L N N K P Q S L E N Y L N F L K S G G S D F P L N I L N D S G L N M A T A N D I L N N K E D S L D L Y L K F L K S G G S D F P L N I L N D S G L N M A T A N D I L N N K E G A L E N Y L N F L K S G G S D F P L N I L A K C G I D M T T A N D I L N N K E G A L E N Y L N F L K S G G S D F P L N I L A K C G I D M T T A N D I L N N K E G G S E A Q N K K L K E L F S G G S N F P L E L L K K S A G L D L Y L K F L K S G G S N F P L E L L K K S A G L D L E S T Y A A Y E G G G D F Q S K Y F D L L K A G G S N F P L E L L K S A G L D L E S T Y A A Y E G G L P D F Q S K Y F D L L K A G G S N F P L E L L K S A G L D L E S T Y A A Y E G G L P D F Q S K Y F D L L K A G G S N F P L E L L K S A G L D L E S T Y A A Y E G G L P D F Q S K Y F D L L K A G G S N F P L E L L K S A G L D L E S T Y A A Y E G G L P D F Q S K Y F D L L K A G G S N F P L E L L K S A G L D L E S T Y L N F L K S G G S N F P L E L L K S A G L D L E S T Y A A Y E G G L P D F Q S K Y F D L L K A G G S N F P L E L L K S A G L D L E S T Y L N F L K S G G S N F P L E L L K S A G L D L E S T Y L N F L K S G G S N F P L E L L K S A G L D L E S T Y L N F L K S G G S N F P L E L L K S A G L D L E S T Y L N F L K S G G S N F P L E L L K S A G L D L E S T Y L N F L K S G G S N
UniRef90_S5YAH9 UniRef90_M1E9G0 UniRef90_D7WNX5	Y A A Y E G G L P D F Q S K Y F D L L K A G G S K H H T E L L A P F G L D A S D A Q R I L N E D T A S Y I K F L K S G G S N F P L E L L K S A G L D L E S S K R I L K E G A P A V E D W L A V L R A G G T K S P V E L A Q M A G V D L T T
UniRef90_D7WNX5 UniRef90_UPI0002D82E86 UniRef90_C7JD92	SQLFKEEGQPALDRWLEVLKMGGTKTPQELMKYAGVDMTT
UniRef90_U7JD92 UniRef90_I4YTP9 UniRef90_UPI00047582BE	Y G V Y E R S N E G F V D R Y F A L L S A G G T K H Y S E L L A P F G L D A G D Y S V Y E Q A D Q G F Q E K Y F A M L R A G G T K H H S E L L K P F G L D A S D
UniRef90_C3WGK0 UniRef90_R7M5A3	YE NILIKTNPESREKYILITILLIKSGGNNHPMEQILIKILIAGIVIDILITK
UniRef90_UPI000407450D UniRef90_B0UMQ5	SKRILINDGQPAIIDDWLNVLIKTGGKEDPVELIAKMAGIIDLITT
UniRef90_W0J2L8 UniRef90_UPI0002E9D122	Y G V Y Q R A E E G F V A R Y F A L L S A G G T K P Y G E L L A P F G L D A R D Y A A M T T G T P A A T E R Y L T L L R S G G N D H P V E Q L K R A G V D L T K S K R V L S E G R P A V D D W L K V L K S G G T K S P V E L A Q M A G V D I T T
UniRef90_M7NFQ7 UniRef90_F0LCR3	S K R I L D E G E P A V N E W L E V L R A G G T K S P V E L A K M A G V D L T T Y A V Y Q K A E T G <u>F Q</u> E K Y <u>F</u> E L L K A G G T <u>K H H S</u> E L <u>L</u> K <u>P</u> F G L D A T D
UniRef90_W8ACT7 UniRef90_B9EBZ0	Y A A MT T G T P A A T E R Y L T L L R S G G N D H P V E Q L K R A G V D L T K S K R V L S E G R P A V D D W L K V L K S G G N T K S P V E L A Q M A G V D L T T S K R I L D E G E P A V N E W L E V L R A G G T K S P V E L A K M A G V D L T T Y A V Y Q K A E T G F Q E K Y F E L L K A G G T K H H S E L L K P F G L D A T D Y T L Y Q D Q G Q P V I D Q W L S M L R A G G T L Q P L E L F K L A G V D M E K S K R I L E E G Q P A V E A W T E V L K A G G S K T P V E L A K M V N I D L T T
UniRef90_R5X9Y4 UniRef90_D7A5A1	S Q D I L K N G P E N Y M N F L K K G S S D K P II N L L K S A G II D L S S Y A V Y E N A S E G F A E R Y L A M L A A G G T K H H S E L L K P F G L D A R D
UniRef90_UPI00039BFB21 UniRef90_T3G003	S K R I L E E G Q P A V E A W I E V L K A G G S K I P V E L A K M V N I D L I S S Y A V Y E N A S E G F A E R Y L A M L A A G G T K H H S E L L K P F G L D A R D S E R V Q N D G Q S G L D F I T F L S S G S S D Y P V E L L N L A G V D M T T A Q D I L K N G S D N Y M S F L K K G S S D Y P I N L L K S S G I N L T N Y E V Y Q Q G L P E F E A K Y L A M L S A G G T L R H K E L L A P F G L D A S D A N K I L S G D K Q A L D N Y R R F L A S G G V D Y P V N L I K S A G F D M V S V K R I R S N D E D F K N K Y I N L L K S G G R D Y P L V L K E C G I D L N Y A V Y E D M G E D F K D K Y F D M L K A G G S K H H S L L A P F G L D A S D S K R I L K F G S P A I F D W R T V L K A G G S K H T P V F L A K M A G V D I T T
UniRef90_UPI000477CAB8 UniRef90_I7L4K4	ANKI LISGO K QALID NYRREL ASG GVDY PVNLIKS AGED MVS
UniRef90_R5MTB4 UniRef90_M9R3H1 UniRef90_A8MM51	YAVYEDMGEDFKOKYFOMLKAGGSKHHSELLAEFGLDASD SKRILKEGSPAIEDWRTVLKAGGTKTPVELAKMAGVDITT
UniRef90_I0C490 UniRef90_R5RFN6	SQKI KNEGQPAVDA WILETLIKKGGSVSPVELANITAGVDITT
UniRef90_W6RZJ1 UniRef90_UPI000317F473	SKRILKEGOPAIIDDWLEVLKAGGTKTPVELAKMAGVDITT
UniRef90_R7BHQ1 UniRef90_L0A7H5	CKRIEKEGQPAVDDWKKVLAAGSTKPPVELAAMAGIDIST LARFDTDAQRAREDYLEFLRAGSSRYPLDALLGAGVDMRS
UniRef90_B6JC09 UniRef90_V9G8N5	VNRILKGNQQQVTDYLNFLKSGGSKAPVELLKQAGVDPLD SKRILKEGQPAIDDWLEVLKAGGTKTPVELLKQAGVDPLD SKRILKEGQPAIDDWLEVLKAGGSTKTPVELLAKMAGVDITT ADRIYRKVPGALEQYKAFLKAGSSQAPIDLIKQVGVDVTS CKRLEKEGQPAVDDWKKVLAAGSSRYPLDALLGAGVDMRS YAVYERAAEGFAERYLAMLAAGGTKHYSELLAPFGLDAKD AQLIKEEGQPAVDRWLNVLKEGGNLSPLELMAMAG AQRIKNEGETAVQDWLNTLSAGGSMSPVELLAPFGLDAGD YGVYQDGLPGFAEKYLDLLRAGGSKRYPELLAPFGLDAKD YSRIRNKTEHQIENYLSFLKSGGSMTPVELLAPFGLDAKD VSRIRNKTEHQIENYLSFLKSGGSMTPVELLKKAGIDPLE SQAILHEGQPAVDRWISFLKAGGTKEILDMAKLAGIDPLE SQAILHEGQPAVDRWISFLKAGGTKEILDMAKLAGIDIST AKMIQENPEKAAE WYLDLLKAGGSKHHKELLAPFGLDASD
UniRef90_E8SH03 UniRef90_A0A023D6Z2	A Q R I K N E G E T A V Q D W L N T L S A G G S M S P V E L A Q L A G I D V T T Y G V Y Q D G L P G F A D T Y L A M L E A G G T L R H R E L L A P F G L D A G D
UniRef90_UPI000225AEEA UniRef90_M2P8J2	Y A V Y Q Q G H P G F A E K Y L D L L R A G G S K R Y P E L L A P F G L D A K D V S R I R N K T E H Q I E N Y L S F L K S G G S M T P V E L L K K A G I D P L E
UniRef90_U2JSU5 UniRef90_D0BLF9	A K MI QENPEKAAE WVEVLK MGGSKTAEELAKAAGVDVST
UniRef90_B6ITZ6 UniRef90_Q5LTK1 UniRef90_A0LFN0	Y S W Y A E G S D A F A R R Y L D L L A A G G S R H H K E L L A P F G L D A I D Y S W Y A E G A E G F E E K Y F D M L K A G G S K H H K E L L A P F G L D A S D Y B O Y B O T G A S E W E P D L L E A G G K A S B N E L L S P F G L D A S D
UniRef90_X0QB14 UniRef90_V7I0Z4	ADKIVNGGQADVDRYLNYLKSGSSDTPINVMKKAGVDMTQ
UniRef90_V71024 UniRef90_Q1WVT7 UniRef90_A8ILX1	A K M Q E N P E K A A E WV E V L K M G G S K T A E E L A P F G L D A T D Y S V Y A E G S D A F A R R Y L D L L A A G G S R H H K E L L A P F G L D A S D Y R Q Y R Q T G A S F V P L F R D L L E A G G K A S P N E L L S P F G L D L S D Y R Q Y R Q T G A S F V P L F R D L L E A G G K A S P N E L L S P F G L D L S D Y R Q Y R Q T G A S F V P L F R D L L E A G G K A S P N E L L S P F G L D L S D Y R Q Y R Q T G A S F V P L F R D L L E A G G K A S P N E L L S P F G L D L S D Y R Q Y R Q T G A S F V P L F R D L L E A G G K A S P N E L L S P F G L D L S D Y R Q Y R Q T G A S D G F A E R Y L E M L A A G G S K S P L D L A A M V A G V D V T T Y A V Y Q K A S D G F A E R Y L E M L A A G G G S K S P E D L A A M V Q G V D L T D Y A R Y Q A E G E A F V P S Y L D M L A A G G S S K S P E D L A A M V A G V D L T T T Y L K L V A D P K P Q V A A W L E F L K L G D Q K T P V D A A K V A G V D L T T T Y L K L V A D P K P Q V A A W L E F L K L G D Q K T P V D A A K V A G V D L T T T Y N R G S D S D R E K W I E V L K M G G S K G P I D L A K E A G V D M T N A E R L K N E G Q S A V N D W L N T L K L G G S K S P L D L A Q V D V T S A K R I M K D G K V A A D A W L D A L C K G G S L E L I D L C K V A G V D V T S A K R I M K D G K V A A D A W L D A L C K G G S L E L I D L C K V A G V D V T T Y Q R Y V D E G D A F V P H Y L E M L A A G G S R S P A E L V A G L G Y D L T T Y R R Y Q E E G A A F V P K L R E L L A A G G S R S P A E L V A G L G Y D L K T Y R R Y Q E E G A A F V P K L R E L L A A G G S R S P A E L V A G L G Y D L A T Y R K M P G A G V D L T D Y L K L G G S R S P A E L V A G L G Y D L A T Y R R Y Q E E G A A F V P K L R E L L A A G G S R S P A E L V A G L G Y D L A T Y R K L C K S G E M D A E Q W L N F L K L G G S R S P A E L V A G L G Y D L A T Y R R Y Q E E G A A F V P K L R E L L A A G G S R S P A E L V A G L G Y D L A T Y L E M L A A G G S R S P A E L V A G L G Y D L A T Y L E M L A A G G S R S P A E L V A G L G Y D L A T Y L E M L A A G G S R S P A E L V A G L G Y D L A T Y L E M L A A G G S R S P A E L V A G L G Y D L E D Y L K
UniRef90_R4Z4N1 UniRef90_U4THU8	Y A R Y Q A E G E A F V P S Y L D M L A A G G S K S P E D L A A M V G C D L T D F L R I R D H Q P G A V Q D W L N F L S L G D S L D P I I G E A K V A G V D I I T T
UniRef90_N1ZSR9 UniRef90_B9Y5Y3	Y L K L V A D P K P Q V A A W L E F L K L G D Q K T P V D A A K V A G V D L S T A S R I L K G E T E D Y L R F L T R G G S C A P I D Q L V E A G A D P R G
UniRef90_F0GVC0 UniRef90_U1FYE7	S D K I V N G S D S D R E K WI E V L K M G G S K G P I D L A K E A G V D M T N A E R I K N E G Q S A V N D WL N T L K L G G S K S P I E L A Q V A G I D I T T
UniRef90_V4JAH9 UniRef90_UPI0002E1E755	Y NIL IY Q R Q G D S F I P A Y F D L L A A G G S A T P Q E L L S A F G I S L S D A D R I Y R K M P G A L D Q Y K T F L K A G G S Q A P I E L L K Q A G V D V T S
UniRef90_D7N8V2 UniRef90_C5FA95	A K RIL MK D G K V A A D A WIL D A L C K G G S L E L I D L C K V A G V D I T K F Q A L E Q G Q P A V D R WL R Y L S L G D S L N P V A A A R V A G V D V T T
UniRef90_UPI00036EFE1A UniRef90_A9NG69	Y Q K Y IVID E G D A F IVIP H Y IL E MIL IA A G G S R S P E D L G R II V IGII D L IT D S Q R L F E K T L D P K D WIL E V L K A G A T K K P L D L A L M V D V D L K T
UniRef90_UPI00046D937E UniRef90_UPI000379E50F	YRRYQEEGAAFVPKLRELLAAGGSRSPAELVAGLGYDLED YLK LKSGEMDAEQWLNFLKLGGTKEPIAAAKVAGVDIAT YRIYQKEGADFIPKYLYLLSEGGSKSPTELLAPFNIDLND YARALEQGSAFADRYVELLRDTGRMTVEELAKHLGVSLEA FQRYLKERESFVPVYRDILADGGSKSPGDTLAPGGIVFSD AKQLLEEGQPAVDRYLGFLKSGGSDFSINILKKAGVDMSS
UniRef90_M1P818 UniRef90_UPI0003675C6F	Y RILLY Q K E G A D F ILLY K Y ILLY L L S E G G S K S P I E L L A P F N II D IL N D Y A R A L E Q S A F A D R Y V E L L R D T G R M T V E E L A K H L G V S L E A
UniRef90_B5EI50 UniRef90_UPI0003900352	A K QL LEEGQPAVDRYLGFLKSGGSDFSLNI LKKAGVDMSS



	1 10	2	20	30	40
UniRef90_UPI000472E3D4 UniRef90_J2PI52					P
UniRef90_D6GSG9 UniRef90_E8PMD0				MKKRD	ETPEYLK
UniRef90_UPI00035D1A43					PLKPV
UniRef90_A1ANS8 UniRef90_B5ENB1					A E Q V H E V E E K Y K
UniRef90_R7KH03 UniRef90_W7AR34			K	QYKNRE	PYSEV PYSEV
UniRef90_S5KVX7 UniRef90_U5LG75					DYALT YSEV
UniRef90_M1ZHB8 UniRef90_E0SWW2				KHPS	E F P E K E L
UniRef90_R5RBE5			MNNQTST	PQNSRS	N L PG
UniRef90_K6DSQ6 UniRef90_UPI00036D6571					Y S E V Q T
UniRef90_R6J283 UniRef90_B7IHS0			MSSKNSN	K L P A	K
UniRef90_R6H3B4 UniRef90_V4PM46		MAN	MSAGMNT <mark>H</mark>	V P S L D	N E R S A T QL P V
UniRef90_UPI00035F498D UniRef90_D9QNP4					PLNPT DPAEPPL
UniRef90_UPI0004792C48 UniRef90_M3EJS2					I A Y S T V V N Y P E T
UniRef90_M8DIT3					R
UniRef90_U2FJI8 UniRef90_UPI0002896DE5					ERT EHK
UniRef90_B9Y3C3 UniRef90_M5IPY2					
UniRef90_R6HR34 UniRef90_D4W308					P T <u>L </u> P A K <u>T</u> T
UniRef90_B2V1J4 UniRef90_D0BNL1					E L N Y E
UniRef90_UPI00047B1DB5 UniRef90_M5PBM5					Y N Q N K D T
UniRef90_A0A015KV89				V D D	R
UniRef90_L5L9Q3 UniRef90_UPI00035F6E2A				KKF	EALKEYK
UniRef90_UPI000288A771 UniRef90_R4U245				KRS	Y S D T E V A N <u>E</u> Y K
UniRef90_U6B5B4 UniRef90_E0RCP1					KLGELPR PLKQT
UniRef90_UPI00046F134F UniRef90_W5V0G1				K R K Y K K Y F	E A T Q E Y K E L P E Q Y R
UniRef90_A7HMC6 UniRef90_C0ZCP0				1 10 10 10 12	R
UniRef90_D3UHY2					H T
UniRef90_K4RHP6 UniRef90_F9CXW7					DLEHR ER
UniRef90_V5WEZ4 UniRef90_N9Y2T3					P R
UniRef90_D1R6R6 UniRef90_K8F1Q9			AKEAKTS		L V D P K D C E I A S Q P R
UniRef90_UPI00047ACC92 UniRef90_W4VC25			K	KILKRN	ELNINDT
UniRef90_Q7VF67 UniRef90_UPI00047176E2			K	$0 \times 2 \times \times N$	E S S Q H I P K K Y R
UniRef90_K0N779					DVPKEYR
UniRef90_Q6Kl91 UniRef90_A3US22			ELLK	NIKKIE	DWPKETK
UniRef90_R1GP55 UniRef90_I9KZD2					Y S <u>E</u> T
UniRef90_UPI0004660764 UniRef90_F2JMY0					MTYSLN LN
UniRef90_R6UCX0 UniRef90_E7G5R7					 K
UniRef90_UPI0004670BD9 UniRef90_A0A016QM18					ELRELPR
UniRef90_H1X5R9					MSYSLN
UniRef90_UPI00029AD494 UniRef90_B7CB85				Е	Q T E D M N S E
UniRef90_UPI000382082E UniRef90_R7GLI4					QET
UniRef90_B4RA13 UniRef90_D6U4M3					D A L P Q
UniRef90_UPI0004724480 UniRef90_A6CZ13			_		NLE
UniRef90_UPI0004044D5B UniRef90_B3PMZ6		NSSDF	TGQAAAS	TSTAKK	E G K Y P T A E V E D Q Y K
UniRef90_S0KHH7 UniRef90_R6UXJ8					YE
UniRef90 UPI00037D9912					QQR
UniRef90_UPI0003B424D1 UniRef90_UPI0003B7282F					T E T T E M P R
UniRef90_U4KQK1 UniRef90_M5JDS7					E K G T M A Y S Q N
UniRef90_UPI000469470A UniRef90_E6L9R1					MTYĀĒQ LĒ
UniRef90_W0A086 UniRef90_Q4A659			ктк	RFFNRS	SIPKKYK
UniRef90_Q6MHE7			N I K	N F E N K S	EKMA
UniRef90_UPI0002197CEC					QQ

	50 60 70 80
UniRef90_UPI000472E3D4	WDLDSIFPGGSAFEHFLKQLETDIGVLDQQVAATAESTKQ
UniRef90_J2PI52 UniRef90_D6GSG9	WDMDVIFPGGSESEDFRAFLRTLEADIADLKARLEQSSAA WDISRLYKKESDYEEDLKK <mark>CEQMSV</mark> DIEKKY <u>KNKIV</u> SPDT
UniRef90_D6G3G9 UniRef90_E8PMD0	WDLSDLYPEDPNLERDLAEALNLASSLDPKGLLHPSQAEG
UniRef90_UPI00035D1A43	WDILIE SILIE PGGSSSSEILIQAYILIE QILIE QDILIANY HSQIVIT KILIAAA
UniRef90_A1ANS8 UniRef90_B5ENB1	WNTALLYPDSAELEADLGSFDALAADFRERYFEKIAQPSS WRLEDLYADDPRLAEDMRWANGAATRFAEAYRPGLGNAAQ
UniRef90_B3ENB1	WRL
UniRef90_W7AR34	WDILID SILIY Q G G S A S E EILI <mark>H</mark> E T ILIQ A ILIK D DILIDILIFILIK NIVIK N D A A E
UniRef90_S5KVX7 UniRef90_U5LG75	WDLENIYAGGSGSEELQQTLQEVKADLDSFVVNVSEASAE WDLDVFFEGGSDFAVHIDQTKQLIDEFIALEGWQPSSAET
UniRef90_M1ZHB8	WDLEKIFPGGSQS <u>EELN</u> RFMEDLKQRLDALQQELLEEAKN
UniRef90_E0SWW2	WD L T A L Y Q D R E D F L R A E K A R E D N Q F S R D Y K G N L H T F E N
UniRef90_R5RBE5 UniRef90_K6DSQ6	WDLKDLYSDDPQIKKDLEEYRRLNQKLADNYKGKLADPAD WNLDVFFKDSPALQEHLLQTEELINQFEAKVNNWTEDAKY
UniRef90_UPI00036D6571	WDILIETI I F P S S S E F D T F ILIK QILIS A DIVID A ILIK E RIVIE HILIQE E T E A
UniRef90_R6J283	WD L S <u>D</u> M Y K D <u>D</u> P K G A D L E K <u>F</u> K N A <u>L </u> S F A <u>K</u> K Y K G K L <u>A</u> G T A A E
UniRef90_B7IHS0 UniRef90_R6H3B4	WDLTVFYPDIEKIKKDLEDIFKRATNFVEKYEKLINSAEQ WNLDSLYHSDPNFTGDLQALKVA <mark>C</mark> GR <u>F</u> DT <u>F</u> TKSL <u>M</u> DPAHA
UniRef90_V4PM46	WDIL IT DIL IY S G P E D S K E D F A R G E G HIV K E IL IA KIL IQ G Q F IV IA N A E R
UniRef90_UPI00035F498D UniRef90_D9QNP4	WNLEPIFAGGSTSEQLQVFLGKLTQDIDRLTSELKEETQP WDLSDLYGSDARIAADLETARQGVAEMNALKGRFVAQGAT
UniRef90_UPI0004792C48	WDI DIEFKGGSASKEFFYHIOFTREHIDIEYNOVHKDGKD
UniRef90_M3EJS2	WDLDTLFSGGSESQELREHMNQAVTMLTEFEKTVKEDAKN WNLDVLYTSFEAWEKLSAAIEELQKWAKQNLQSQADAVEK
UniRef90_M8DIT3 UniRef90_U2FJI8	WDILID AILIY K D F E S Y Q N DII IE QILIK I IL I IN D Y I I Y IVIN S N I E N Y D N
UniRef90_UPI0002896DE5	W S L K E L Y S S S E E F K N D L I K <mark>C</mark> D E F I D K I K K M S E K L T N D K S N
UniRef90_B9Y3C3 UniRef90_M5IPY2	WDILIT PILIF K N E K EILIE T S A ILISILIQ S E C E K F E A K Y K F ILINILIS D E E
UniRef90_R6HR34	WD L S D <u>M</u> Y K D D P Q <u> A</u> A D <u>M</u> E S <u>Y</u> K T <u>A</u> A S F A R K Y K G R L A G S A E E
UniRef90_D4W308 UniRef90_B2V1J4	WSILIKEILIY PSSEEEKSDILIESILIKYILLIEILLINEWSNEWITWDKEN
UniRef90_D0BNL1	WT L ED L YPSFEEFKQD V ES <u>Y</u> KA <u>L K</u> GKFES <u>L </u> T L EDS <u>L</u> EG
UniRef90_UPI00047B1DB5 UniRef90_M5PBM5	WDLESFFKGGEEFKQFLQQLSQTLEQKEQEVSALRHDPKE WDLDVFFKGGSDSSDFRDYAEEIKTLLSSFQEKAKPDIGK
UniRef90_A0A015KV89	WEILD SILIYEGGSGSEAFAREILEGIVEKDILIKAILLISILIKELAER
UniRef90_L5L9Q3 UniRef90_UPI00035F6E2A	WDFDYLYKTQEEWKKDLDYLVEISKEFKDFKNRLHE KEV WSLSELYPSSPQYQEDMKKLETQINAFNEWSEKALDASAK
UniRef90_UPI000288A771	WDIL IT S F Y E D S P A F H A HII IA QII IP T IL IM A QIL IE K AIV IE AIV IE Q S IV IE T
UniRef90_R4U245	WD F S H L Y Q D V Q A WK A D L A I I V K K L E E I I T F K G K L N D Q K I
UniRef90_U6B5B4 UniRef90_E0RCP1	WNLNDLYPSHDSQENDLKRIDQESLAFKTRWENNLLNATN WDLESIFSGGSSSASFHAFLEEMESKVQQLQSQLKADTER
UniRef90_UPI00046F134F	WDFSHLYKNHDEWKKDLNLLVDKTQKYQDFKNKL NQKEV
UniRef90_W5V0G1 UniRef90_A7HMC6	FDLEALL GGKTLEDHLDKLKQFGNKLIELRDEQFDSAAN WNLSNIYPSSESFKNDLQRIKELSGFLNWMDENLINEGNG
UniRef90_C0ZCP0	WNLDVLIYSSFDAWKRDWEKFVRETEEII KSWAAQNLQSSED
UniRef90_D3UHY2 UniRef90_K4RHP6	WDLSVLFENFERLEEF <mark>C</mark> RDLLDAAKDFEKK <mark>H</mark> KGKLEKSKD WDLSALFKDQDALDKHLATLDKK <u>VV</u> SFKK <u>Y</u> A <u>G</u> H <u>F</u> AKEPEK
UniRef90_F9CXW7	WD L S E L T K D P P E F Q K Q I K E L E E M A K R F E K I K L D P S S K K
UniRef90_V5WEZ4 UniRef90_N9Y2T3	WDFSEISKSIPAQREETGQLIGEIPDILRKGEQLAEETGT WNLNNLYSSFEEFKA <u>D</u> MDLFNKKINN <u>Y</u> KSFVSSITNDKEK
UniRef90_D1R6R6	WN V E A L Y P S F Q S WQ N I F E N P R P S WP D I E A F K G R L T E S P E T
UniRef90_K8F1Q9 UniRef90_UPI00047ACC92	WE L E R
UniRef90_W4VC25	
UniRef90_Q7VF67	WDLT ALEKT KEQLEREMS HURRAKKEAKS YEGQUKNKPNE
UniRef90_UPI00047176E2 UniRef90_K0N779	F D L D D I L Q G K T I E Q L I D E Y K I I F Q K R I I I K D S K Y N S I E N WN L D S I F P G G I D S P Q L A D R I S D V T A K L P Q L E S K V A H D A P E F D L E V L L E G K K I E N L L E T F F V K Y E E L I T E K D S K Y E S I E S W D L S I A Y R D D A K I E Q D I E L I Q Q C I E L L Y L H V E K R H L I L A
UniRef90_Q6KI91	FDLEVLLEG KKIENLLETFFVKYEELITEKDSKYESIES
UniRef90_A3US22 UniRef90_R1GP55	WDESELAYKDDAKI EQDI ELLIQQ UIELLYLHVEKKHII LA WDFSFVYQSDTAI QNDLIAR <mark>C</mark> SD NI AAI KNI SPDTI FN
UniRef90_I9KZD2	WDFSFVYQSDTALQNDLARCSD NIAALKNLSPDTIEN WDLDSIFAGGLDSPALAEKMTTLKQQLTTTADLLTPDADW
UniRef90_UPI0004660764 UniRef90_F2JMY0	WDLETLFSGGAQLKAKFSQIKTDTASLGDLLDRWAPDYHQ WSLKELYESGEAFQGDLTKLDTYIKEMNKLATEMTENHED
UniRef90_R6UCX0	- WSILIDIV LIYKGD FAFIVIND FKKMD TIV LIQR <mark>C</mark> T QAA FQILID N FIVIKA
UniRef90_E7G5R7 UniRef90_UPI0004670BD9	
UniRef90_A0A016QM18	WDLSKLYTSDPNFINDFNKI TTI QDQINTYRNH HDVKA WRTDDLYADDSRLTADLAALREEVVALEVRKGGRAATPEA WDLDPIYPGGPEFAAKLQQIKQFASDVTAYDRFTDTDFSK
UniRef90_H1X5R9 UniRef90_UPI00029AD494	WDILID PILIY P G G P E F A A KILIQ QILIK Q F A S DIVIT A Y D R F T D T D F S K WDILA SILA P G T P F F R Q OILIF Q F K A RITION LIA D S T N RITIA O HIVIK A
UniRef90_B7CB85	WSLDVLYKDDPKFSEDLTSFEKKAKELDELSKTLSNEKED
UniRef90_UPI000382082E UniRef90_R7GLI4	WD ME RII FAGGSDSPALNQLI QTEEKNITTLASALDDNAEA
UniRef90_B4RA13	WRTDDLYADDSRLTADLAALREEVVALEVRKGGRAATPEAWDLDPIYPGGPEFAAKLQQIKQFASDVTAYDRFTDTDFSKWDLASLAPGTPEFRQQLEQFKARLQVLADSTNRLAQHVKAWSLDVLYKDDPKFSEDLTSFEKKAKELDELSKTLSNEKEDWDMERIFAGGSDSPALNQLIQTEEKNITTLASALDDNAEAWNLDALYTSDKKFQEDLNTIKDLNKNYSTYRSEKTEAAWRLDDLYADREDIEADLASAAQATAQLAALKGRLAELGALWDMTVVYPGLDSSEQVLQHIDELASFFAEKQVQALPAAPDWSLEDLYTGFEEFQNDLKRFEAIKEDFAHIE LVDTMETWDLSIAYOUNGA
UniRef90_D6U4M3 UniRef90_UPI0004724480	WDMTVVYPGLDSSEQVLQHIDELASFFAEKQVQALPAAPD
UniRef90_A6CZ13	WDLSIAYQDDPKVEQDLALIQRSIELLNSHSGE RQNVSA
UniRef90_UPI0004044D5B	WDLSIAYQDDPKVEQDIALIQRSIELLNSHSGE RQNVSA WDLTLLYKSEKEFNEDYEKAKSLLAQLEDFKGTL NTAEN WDLEDIL GQKTYQELEDEYFNLFEEALKTKDSKYESIDA
UniRef90_B3PMZ6 UniRef90_S0KHH7	WDI DSI ESGKSOI ROEI ADI DOMI HDEHOSVEOI EOEVAO
UniRef90_R6UXJ8	WSIL ID AIL IY K D D P A F Q N DIL IK Q Y H DIL IH D E IL IS AIL IT E E M N T IL IE E A
UniRef90_UPI00037D9912 UniRef90_UPI0003B424D1	WSLEEI FPGGSDFKYFLMKILGEDI SKEI ATT MEI EEGYEE WDLTPLFPGSPEFQRAWEGLKGRI GRIKE
UniRef90_UPI0003B7282F	WRTDDLYAGLDDFTADLSAIQTGVTELETLFDDLDLTAAT
UniRef90_U4KQK1 UniRef90_M5JDS7	WNLDSLYKGFEDYHNDLLKLESLVDEYLLLKRNEKTQKDF WNLETIYAGGQAFQT <u>TL</u> NTVEA <u>DL</u> NT <u>F</u> AHDFK <u>P</u> TTDLTT
UniRef90_UPI000469470A	WD F S F T G G K S T F T T R O T K A O A T T F K O N D D F S O
UniRef90_E6L9R1	WD L S A L F K N E E E L E A F A N I R Q A E E F R Q K Y E K K I A <mark>H</mark> L S K E E
UniRef90_W0A086 UniRef90_Q4A659	WQDDHIYPD <mark>C</mark> PAIDADFQRAAEALTEIASLLASLPETRDH WDLDSIL DGKSLQKHIDDYQKLFSR <u>RI</u> K <u>A</u> KDLKFENLEA
UniRef90_Q6MHE7	WDLDSIL DGKSLQKHIDDYQKLFSRRIKAKDLKFENLEA WNLESEYPSSPEFLSEFDKVDQLEKDVKSLKTPFDNDVEK
UniRef90_UPI0002197CEC	WQNDHIYPSLDSLEADMSLARASLAELGGFLEGLAQSLPA

		90 100 110	120
	JPI000472E3D4	_	SS
UniRef90_J UniRef90_D		FKEVVT <mark>HVQSIAVRVRQAG</mark> AFIS <mark>C</mark> LTAQNVKDEPAKLMG AICALREYNEFLELND <u>VISH</u> YATLSVSVDMTDA <u>QHQKRE</u>	E S
UniRef90_E		_	_ D
UniRef90_A	JPI00035D1A43 \1ANS8	_	S Q
UniRef90_B	-	LEAVREYEALQVRMAKPF <mark>C</mark> YAHLLFAADSSNETTLSLS AAALEQLEALRQRIGRVGTFRYLSYVTHADQPAYGAAL	Q
UniRef90_R UniRef90_V		<u>. </u>	N A A
UniRef90_S		ELLUVNQNADUS K <u>ill</u> t agsfle <mark>c</mark> lasad <u>u</u> ndsranels	S A
UniRef90_L UniRef90_N		TLNLIGKFEGTTKKLRQAGAFVS <mark>C</mark> LEAQNMADSKANELR VAKVIDNIEELS <u>GH</u> LAEVGAFLS <mark>C</mark> LTAQNVKDEKAKLLY	Υ A Υ G
UniRef90_E UniRef90_R		F	A Q Y Q
UniRef90_K		<u> </u>) A
UniRef90_L UniRef90_R	JP100036D6571	FDP FAEVQDVSARFRQSGAFVS <mark>C</mark> LSAQDQNDQKAGQLS FLSALKAEEK <u>MSVLGGMLG</u> EFAYLNMVTQMKNK <u>D</u> AMAFY	3 A
UniRef90_B		/RNYFKEFEQUINE DGUKPIQYSSL LIFSENTTDKVAQQLY RQGIEALEEUSSUSNLLLEYASLRQSADTSDAEASSAL	<u>/</u> Ğ
UniRef90_R UniRef90_V		_	_ G
	JP100035F498D	<u>-</u> D T <u>L_</u>	S A
UniRef90_D	09QNP4 JP10004792C48	- N R A I T L Y E Q A S E R L G A L G A Y A F L A A S T A R D D A G A Q G F E N A I I D L F Q Q T A K K V R Q A G A F V S C L Q A Q N T E D K K A K A L R	ĒΑ ₹G
UniRef90_M	//3EJS2	/FDLLEKMSEVMRHLSQSGAFUG <mark>C</mark> LMAQNTQDKKAGULE	<u>:</u> S
UniRef90_N UniRef90_L		M E A Y T K L T S L Q T Q S R L Y G F A E L T A S V D A K N E K A L Q L V F K E K M D E K L S L V A R K L F A F A S L T R S T D T F N K Q A N K Y	/ L A
UniRef90_L	JPI0002896DE5	ŢĶĪ ĻĒĒŸĪNĪS NDFS HLMAF <mark>C</mark> QLTŪS VDTKNVDAŪRYL	Ē.
UniRef90_B UniRef90_M		- N R AI I I L Y E Q A S E R L G A L G A Y A F L A A S I A R D D A G A Q G F E N A I I D L F Q Q T A K K V R Q A G A F V S C L Q A Q N T E D K K A K A L R / F D L L E K M S E V M R H L S Q S G A F I I G C L M A Q N T Q D K K A G I L E M E A Y I T K L T S I L Q T Q S R L Y G F A E L T A S V D A K N E K A L Q L V E K E I I K M D E K L S L V A R K L F A F A S L T R S T D T F N K Q A N K Y I - V K I L E E Y I N I S N D F S H L M A F C Q L T L S V D T K N V D A L R Y L - K A I I E Q L S A Y Q T L T R R L G A Y L S L R Q S A N T A D Q Q T V S M N E L S A L N E Y E N L L E N I A R V Q I Y V S L Y F S K D T S K G - A F A Y L S L W K F A M A F F	ч S / A
UniRef90_R UniRef90_D	R6HR34		
UniRef90_B	32V1J4	_ L	S <u>D</u>
UniRef90_D	00BNL1 JPI00047B1DB5	T_Q V V K L E E S T V L T G R L Y N Y H L T L A T D T T H E T A T Q V E WV S V L E G L Q E T A K K V R E A G A F V G C L N A Q N H D T Q A K Q L N	∃ [V] N G
UniRef90_M	//5PBM5	_ K D A L G L F E K I D V K L R Q S Q A Y V G <mark>C</mark> L Q A Q D M A D L K A <u>N V</u> L N	٧F
UniRef90_A UniRef90_L	NOA015KV89 5L9O3	_	D D = A
UniRef90_L	JPI00035F6E2A	A E E GI K Q T M V I A E L Y D K L A S F A Q L T M S V E A Q N E D A A K A A	٩D
UniRef90_L UniRef90_R	JP1000288A771 R4U245		HG SG
UniRef90_L	J6B5B4	- IG A A II IA E Y E K II IY DII T IG K IV I IS Y A Y II T IH S <mark>C</mark> N M S N P E II IS K E Y	ΥT
UniRef90_E UniRef90_L	:0RCP1 JPI00046F134F	DSVLNSIQELFNGASQAGSFVS <mark>C</mark> LTAQNQ <mark>H</mark> DKLAVQLG FFEYLRLEEELDFLVNKMSLYLHY ADTDATDQSFQELE	G A E G
UniRef90_V	V5V0G1		Ę Q
UniRef90_A UniRef90_C		_ E	_ E
UniRef90_D UniRef90_K		EAKLEYÜNELSILE AGKLYNYASILT IN VODEKNKSIE EAKLEYÜNELSILAGKLYNYASILT LSANANDETAAKYI MEKYITMMTSVLQTQFRLYAYGELTASVDAKNEAALLAI FHKSLQEYEEVLEGIGRVMTYVFLHFASDTKKG AIY FEGILAEYETLSEGISRAMSYVFLIFCVD AKRSDLY FIGILHEVEDISEKMSKIGGYASLQYSADTQSDEATSLI	ΥA
UniRef90_F	9CXW7	FIGUL HEVE DI SEKMSKIIGGYASLQYSADTQSDEATSLT	'nΩ
UniRef90_V UniRef90_N		_ E T Y L Q K V D R L A G L L D E Q F S Y A Y <mark>C</mark> N Y T I A T S D S A W I R E I _ K K Y I N <u>E T</u> N N F K A <u>L S</u> N K L <u>I M</u> Y S N L <u>V</u> M S <u>V</u> N <u>T</u> K D S <u>V</u> A <u>I K</u> T <u>L</u>	N D
UniRef90_D	01R6R6	. K	Ϋ́T
UniRef90_K UniRef90_L	(8F1Q9 JPI00047ACC92	_	(A)G
UniRef90_V	V4VC25		
UniRef90_C UniRef90_L	277F67 JP100047176E2	FADVIKEYEQILEGFGRIMTYVFL <mark>C</mark> FAKDTTQG DLY YLEDIKLHEKLTLLEYKIHNYISNHISTNVVDPKFNKLS	7 A 3 Q
UniRef90_K	(0N779	(LEDIKLHEKLTLEYKIHNYISNHISTNVVDPKFNKLS TDFITLWEDIGKGLATTSSFVEMIASADTANLKTGPVC (VKNIEKSEKASLLENKISNYLSNNLSTNFVNPKFNKMY	Q G
UniRef90_C UniRef90_A	\3US22	MQNAII QTSEAAGTLLISTI NTFAN <mark>CH</mark> ASVDATHTEAKALL	Ğ
UniRef90_R UniRef90_I	R1GP55 9K7D2	CQRAJLITIL LIDEASTIL LIQSIVISSYSG <mark>C</mark> LISTIVIDATNAEAKAVV ETEILVINNI OTILOAGII DOTTIVIEIVVIAVOSAHADDTKAADKII	/ V
UniRef90_L	JP10004660764	FIKĀVŅQLĪĢAI ĀĀĞLĪĞÕAGI FLITALĪĞSADĪJANPDĪVAPMĪ	ΣÄ
UniRef90_F UniRef90_R	-∠JMY0 R6UCX0	. E A Y A L A E K S L F E K L G V F S E L	ΛN
UniRef90_E	7G5R7	V K N I E K S E K A S L F N K S N Y S N N S T N F V N P K F N K M Y M Q N A I Q T S E A A G T L L S T I N T F A N C H A S V D A T H T E A K A L L C Q R A L T L L D E A S T L L Q S V S S Y S G C L S T V D A T N A E A K A V V T T L L D E A S T L L Q S V S S Y S G C L S T V D A T N A E A K A V V T T L L Q A G I D Q T T V F V V A Y Q S A H A D D T K A A P P K L E I K A V N Q L Q A I A A G L G Q A G I F I T A I G S A D L A N P D V A P M D L S L L E E F H T L A D R V G H F I S L K Q S T N T S D G K T V S L N A L A D T N D Y E A I K Y S L L E E F H T L A D R V G H F I S L K Q S T N T S D G K T V S L N A D T N D Y E A I K Y S L A N F I S L T L S V D T T N K D A L K Y S L A N F I S L T L S V D T T N K D A L K Y S L A N F I S L T L S V D T T N K D A L K Y S L A N T S L G G L G T V A L F V N A L Y S A D Y T N P V Y R P Y C L A R V L G G L N A L A T R L T S L R G F I S S F V S T D S R N A L A Q Q R N T S C F G F L S Q S T N T A N T K A A A A K L L C S C F G F L S Q S T N T A N T K A A A A K L L C S C F G F L S Q S T N T A N T K A A A A K L L C S C F G F L S Q S T N T A N T K A A A A K L L C S C F G F L S Q S T N T S D D A Q A A R Y L L D Q G I R L Y E D A T N H L W S V G A Y A S L A A S T A R N D P A W S K F E E C Q V V A R Y N A M S D E V R T I S V Y I S S F V N T T N S D D L A R Y S M Q N T Q A K Q L I N E Y F Q F V E E F K E L T S K M E V Y A D M G T Y L N P S D S K F Q E M Q N A A L Q T L L A T V N T L A N C Y A S T D A Q N T Q A K Q L I N E Y F Q F V E E F K E L T S K M E V Y A D M G T Y L N P S D S K F Q E M C M C N T C S C T C S C T C S C T C S C T C S C T C S C T C S C T C S C T C S C S	\ S
UniRef90_A	JPI0004670BD9 \0A016QM18	-	ИG
UniRef90_H	11X5R9 JPI00029AD494	_ VAL VNDĀQVIRSGLGTVALFVNALYŠADYTNPVYRPYČ	ŢΓ
UniRef90_B	37CB85	I RI VKALEEFELLEKHLSCF GFLSQSTNTANTKAAAAI	Ď
UniRef90_L UniRef90_R	JP1000382082E R7GL14	- I DII I IK QILE AII IT QAII IS E ANT FIL IG GIL Y SADT SDQT AAMKIL HKII I ETKILEI I EKRIVERI HEEI OII SII SAHTDDAOAARVII	- N
UniRef90_B	34RA13	DOGI RLYEDATNHLWSVGAYASLAASTARNDPAWSKFE	Ā
UniRef90_D UniRef90_U	06U4M3 JPI0004724480	-	/ S 3 K
UniRef90_A	A6CZ13	MQNALQTMEAAGTL LATÜNTLAN <mark>C</mark> YASTDAQNTQAKQLI	Ġ.
UniRef90_L UniRef90_B	JPI0004044D5B 33PMZ6	/KQVIVLQEELEVLLYQMFSFINFRLSINIIDQEASKYSMQNALQTMEAAGTLLATVNTLANCYASTDAQNTQAKQLINEN FRESTOAQNTQAKQLINEN FRESTOAQNTQAKQTLRYLWIN KRMNRIQELSIRLLEATHFVECLKSENVEDEQALMLS LEVLEVLEALDALLEEATPLQAYLYARYSADTRDEAA DRVLDAMNALTARRLPLGSYLNAFTSVDSRNALAQQKMEAYLTLDAMNALTARRLPLGSYLNAFTSVDSRNALAQQKMEAYLTLDEKLTLLEATPLQAYLYARYSADTRDEAA	A S T
UniRef90_S	SOKHH7	QKU QQDEALQKSFTE <mark>C</mark> ATF <u>LEAL</u> ASENLYDNQAKELT	[G
UniRef90_R UniRef90_L	760XJ8 JP100037D9912	/	⊒IN 3 E
UniRef90_L	JPI0003B424D1	LEVLEALDAL LEEATPLQAYLYARYSADTRDEAA	ис
UniRef90_L	JPI0003B7282F J4KQK1	_	ı S
UniRef90_N	//5JDS7 JP1000469470A	- VDYSLRLQALDSTLRTLNVFLNALTSADYTNPKFRPFC	S S
UniRef90_E	6L9R1	VDYSLRLQALDSTLRTLNVFLNALTSADYTNPKFRPFC QQITNQLQAIEDGLKQTGSFVNMHQSVDERNQQVAPLN LISLKQYENLNENATKLMTYAYLCFAKNTLNGDFYARY	<u>/</u> E
UniRef90_V UniRef90_C		I IR AII IR R O A NIV VIK O A WN S O I F A Y N RII IS R N G R D F A A RIV I I	S
UniRef90_C	Q6MHE7	QKIWIDVEATQVLVGNMSTFLN <mark>CH</mark> LSVDSTLSEAQAKK	⟨S
UniRef90_L	JPI0002197CEC	LQDFLREVRRIRDIGWNIAVLAA <mark>C</mark> KGSQDARDGLAKQQA	۱S

	400
UniRef90_UPI000472E3D4	130 140 150 160 KVAGLRAGFEGVSSKFDDVLRQTSDEVWQEWM ARPEI AP
UniRef90_J2PI52 UniRef90_D6GSG9	R V K S L S A A F G A V L T R W E E K L L V I D E A A W E N L L A D E E L Q S Y Y Y S K A A E I Q T R L K F L E K E I V S L D A Q L L E K V K E K A P E
UniRef90_E8PMD0 UniRef90_UPI00035D1A43	Y Y Y S K A A E I Q T R L K F I L E K E I V S L D A Q I L E K V K E K A P E R V R N R Y T E V R N R L V P L E V A L R K L P E E A F Q A L L E H P G L A D K A T S L Q A S L E N V L T L F W N V L S L T G D E V W E A W M K R E E I A P R C S E L G S R L S Q Q L L F F D L E L M N L D D A P F Q A L C S L P Q A A P A Y E E A A T A I Q N Q L I F F D L A W N A V D D A R A G A L L A D P A L A H K A S L L I T K L N N L T A F F N P E L L K I T S T S Y K Q L F I T N N K L N D
UniRef90_A1ANS8	RCSELGSRLSQQLLFFDLELMNLDDAPFQALC SLPQAAP
UniRef90_B5ENB1 UniRef90_R7KH03	A Y E <u>E A A</u> T A Q N <u>Q L </u> F F D <u> A W N</u> A V D D A R
UniRef90_W7AR34	RVYGYAALLQTAQDDWHDKFLQIJEDRVWKELLQENGFRQ
UniRef90_S5KVX7 UniRef90_U5LG75	LIYQYVATLATAEDEWHDKFAQVSDRVWDELMEQN GLSQ AVT <u>VL</u> SAGFQNALTD <u>F</u> DEKL <u>AGF</u> SDE <u>D</u> WKQL <u>LQ</u> AD GLSE
UniRef90_M1ZHB8 UniRef90_E0SWW2	RIQQYFADFTSTLTSLDEQILKIPDEVWNQLLREEFLRE AGMEFETDASVALTFFDDALVVADEEVLDRLG
UniRef90_R5RBE5	
UniRef90_K6DSQ6 UniRef90_UPI00036D6571	NI DEKMIEYSKPSIFFILEINKLSEPQFAKL AADEKVAY KVTSLNATFQTALGSLDNLLTTIEDTVWEQIVNSAP LKD RVGSIRARWQSVVATFDS VLQNTEDTVWEAWMKRDAVAP NISEKLTDYSKPTIFFSLEINRLPDAKIK EWLEDKRVAF ISEQYGSKISEILSPLQSAFAQLSEEKLDSL SKEISE QVMAVVSQCAGAYARFQTYAAGLPN LDEILEADELLRQ DLGTQAAMISADSLFLSLELNQLEDWEIENALKMVTKAQK ALSDLSANLQALFVQFQSVLLDTPDEVFADWM KRPEVAP DLREKITTIATPTVWLTLEINQLDEAEIEAALSADADAAK STTEISASEOTAITIEDOKIASYEDDVWAFILIKDESINE
UniRef90_R6J283 UniRef90_B7IHS0	NI SEKLTDYSKPTI FFSLEI NRL PDAKI K EWLEDKRVAF
UniRef90_R6H3B4	QVMAVVSQCAGAYARFQTYAAGLPN LDELLRQ
UniRef90_V4PM46 UniRef90_UPI00035F498D	D L G T Q A A M S A D S L F L S L E L N Q L E D WE E N A L K M V T K A Q K A L S D L S A N L Q A L F V Q F Q S V L D T P D E V F A D WM K R P E V A P
UniRef90_D9QNP4 UniRef90_UPI0004792C48	D
UniRef90_M3EJS2	E A A S IL IS A R F Q H S F Q K II Q Q D IL IT K T E D A IV IWT Q IL V IN E N
UniRef90_M8DIT3 UniRef90_U2FJI8	RIQDQAVE VEPGVLFQKWL GGLEQLDMLIAKSPLLETVLQNILSDATLPSTLVNKWIGNYPKLD EVIHSEEFSE
UniRef90_UPI0002896DE5 UniRef90_B9Y3C3	LLEEKLTALA OPSTKFTK WIGSLON LDEILKASETLKE RFOLKTSQSALASTRFQK WIAAQDLDALIP GDPLFQQ KFDELSSKAQNHLLFFELKFNEFDEARQNKIIAKSQRLGY NTSEKLTDYGKPVIFFELELNRLPAATLK EWLKNKKVAF
UniRef90_M5IPY2	KFDELSSKAQNHLLFFELKFNEFDEARQNKIIAKSQRLGY NTSEKLTDYGKPVIFFELELNRLPAATLK EWLKNKKVAF
UniRef90_R6HR34 UniRef90_D4W308	IV LIN E K S S SILIA K S D I IV LIN H WII IG NILIK D — ILID I IL LIK I D A NILIE A
UniRef90_B2V1J4 UniRef90_D0BNL1	I EKKLTEI VESSTKLERWI SSV ENI DEVI SKSRLLKD QLAGVSADLQATYAKVSKFL GTLQTDI TTDPFL AE
UniRef90_UPI00047B1DB5 UniRef90_M5PBM5	QLAGVSADLQATYAKVSKFL GTIQTDITTDPFLAE KVKEVSTAYITVMTSVDEKLVSMSETEWAELVKE QAIQE EVTRLTAEFQKVLVMFDNKLADMDDADWKTVLKE CSD
UniRef90_A0A015KV89	RVKNVLADFHGAMTAYDRA LGLASDELWREWLAGGTAGA
UniRef90_L5L9Q3 UniRef90_UPI00035F6E2A	RVKNVLADFHGAMTAYDRA LGLASDELWREWLAGGTAGA LLMNVLQDISIQTSFISPETKKIGFETISKWLKETNGYDR KVHTIVASMALGDTRFKKWLAGITN LDSVINESSLLKE DMAPLYAQMSQLTYRFDKVIETLDDATFKQYIQA PALSD
UniRef90_UPI000288A771 UniRef90_R4U245	KVHTI VASMALGOTRFKKWLAGITN LDSVI NESSLLKE DMAPLYAQMSQLTYRFDKVIETLDDATFKQYIQA PALSD IYSNTINQISSKLAFVAPEIKTIGEATVMNWVKNDPDISQ
UniRef90_U6B5B4	D T
UniRef90_E0RCP1 UniRef90_UPI00046F134F	RVNTLYAQGKSALVSFQNLLAQTSEDIWQKWM EREAIQP LIAHEYQKISVATSFIAPEFKELGETTIMNFLNSDPKYYP
UniRef90_W5V0G1 UniRef90_A7HMC6	K F E F QI S Q F Y E QLE G P V Q NL F Y D K LLA I I K K W K N D P S V A G
UniRef90_C0ZCP0	K V QNQA V E LV EPG V QFQKW L GS L SN L DE LI TQSE LLET
UniRef90_D3UHY2 UniRef90_K4RHP6	EYEMKTHELESHVLFFELEF <mark>C</mark> ALDTETQKDLMEEAGQ KYQ <u>LL<mark>C</mark>ADMGKHLLFVEN</u> EF <mark>C</mark> ALESEKQEALISATPK_
UniRef90_F9CXW7 UniRef90_V5WEZ4	R M S KL G S E T S N K L L F F D L W W K T Q V D D K A K R L I K D S G E L S E R L E E Q S M P L S G Y S T R F R L I F L T P D S S G L K K F L A Q L P A I Q R
UniRef90_N9Y2T3	I LIEQKILIA SILIA D SKA KILIY K WII GSILID <u>N</u> ILISEI <u>I I IN</u> SSDI <u>L</u> LIKE
UniRef90_D1R6R6 UniRef90_K8F1Q9	QILIMQRYGSFQNFILIQWFSILIEII IANILIEEDDIVIEQYILLIHDGKILIKK
UniRef90_UPI00047ACC92 UniRef90_W4VC25	EYSILAS DLDIKLT FYN SNLLMLD ELLINE ALKLDI T
UniRef90_Q7VF67 UniRef90_UPI00047176E2	KYEMQTTQIQNLVLFFELEF <mark>C</mark> KLPETHRKEVLQHTPQ
UniRef90_K0N779	QLTTLYTREQNINNPLAKKLAAMSQAAFDQLTTTS ALSA
UniRef90_Q6KI91 UniRef90_A3US22	E
UniRef90_R1GP55 UniRef90_I9KZD2	KTDVMDSSLNQAFSPFEDKLSSCDDAFFEDVLAGSDAYQR
	RIL Q HLIST Q F Q T V S D K L E K V L V Q V P D D H F N A ML A R P E L A P
UniRef90_F2JMY0 UniRef90_R6UCX0	K Y E M Q T T Q I Q N L V L F F E I E F C K L P E T H R K E V I Q H T P Q E F N F L N Q Q L S D Q F S E I N R F E L H I E K I K L Q L T T L Y T R F Q N I N N P L A K K L A A M S Q A A F D Q L T T T S A L S A E L Q F K F Y E L N K K L G N E E N R I F K N E S K L R N W L K D K R L K N R V A K L N S E M S Q A F S P Y E D T L I H A E P E F I N A V L E E S A D V A G K T D V M D S S L N Q A F S P F E D K L S S C D D A F F E D V L A G S D A Y Q R Q L Y Q L D N Q L D N L L T R F K K Q L V K L D A D T F K A L I K Q P A L T P R L Q H L S T Q F Q T V S D K L E K V L V Q V P D D H F N A M L A R P E L A P I I D Q K Q S D L A E A E T K I S K W I S E I K D I N A I I D H S T F L Q S Q F S Q K F S G I T K A N A R F N R Y V A E I E D L D A C I E Q D A L L K E V I E T L L A S F V I E D D T L N Q Q W I A S F A L D T L D
UniRef90_E7G5R7 UniRef90_UPI0004670BD9	VIETLLASFADASAKILQKWIAQFDFQQL TDSYVQDQLDTLASFVEDDTLNQQWIASFALDTID SKIIKF
UniRef90_A0A016QM18	DLTTLTLPLGPLRSRLTAWLGGQDVEAL LAASEVARD
UniRef90_UPI00029AD494	ELLA ATTPAREQUATSUEFALRDA A EADFLK FUDADPVLTR
UniRef90_B7CB85 UniRef90_UPI000382082F	K V A T I A S T A S K A M A V F S R Y I S D M K D F D M A I K K K T M T T T T T T T T
UniRef90_R7GLI4	QUNNI TASMIGEDIKNNAYTAEFDLYSCQDPFLKE
UniRef90_D6U4M3	ELQRGLTELAQQATRFTAWI GSLDVEAL
UniRef90_UPI0004724480 UniRef90_A6CZ13	QIL N N MIV A E L I D L I R M D R F L G E S K M D V S T D D S L S H R I A Q L N S E L E Q A F T P Y E N T L A L A E V S F I E Q V L N D N P S V S G
UniRef90_UPI0004044D5B	KUTTUDAEKNKATAFADPEI CSMSLADRKKUF SDPUFKG
UniRef90_S0KHH7	TLYAKLPALQLAHTLENKKLSSYTDEQWQALIPTH FAQ
UniRef90_R6UXJ8 UniRef90_UPI00037D9912	<u> </u>
UniRef90_UPI0003B424D1	LAKLSELEVLL LDFRRLTPRLTRYLALQDPEEAGP
UniRef90_U4KQK1	KI QSI LRKSTKENVLLTRYLKEVDLDKLA SESELIKK
UniRef90_M5JDS7 UniRef90_UPI000469470A	R L D N L A V S Y Q N <u>S L D</u> A <u>Y</u> S R V <u>L A</u> E L D D Q T F <u> L Q F </u>
UniRef90_E6L9R1	RIL QHL ST QF QT VS D K L E K V L V QV P D D H F N A M L A R P E L A P I D Q K Q S D L A E A E T K L S K W I S E I K D I N A I D H S T F L Q S QF S Q K F S G I T K A N A R F N R Y V A E L E D L D A C L E Q D A L L K E V I E T L L A S F A D A S A K I Q K W I A Q F D F Q Q L S K L K E D L T L A S F V I E D D T L N Q Q W I A S F A L D T L D S K L K E D L T L T L T L P L Q F L R S R L T A W L G G Q D V E A L L A A S E V A R D L T L T L T L P L Q F L R S R L T A W L G G Q D V E A L L L A A S E V A R D L T L A S F V I E D L T T L T L T P A R E Q L A T S I E F A L R D A A E A D F L K F L D A D P V L T R K V A T I A S T A S K A M A V F S R Y I S D M K D L N S Y L D C P E L C E T M T L A T R L E H L S T R L Q K S L G Q M S S I D F D A L F D H M A L K K E D L R A R S A Q L A A S E L R F T L E I N Q L E D A E L E A A L Q A R P E A G R D L N N M V A E L T D L T R M D R F L G E S K M D V S T D D S L S H R I A Q L N S E L E Q A F T P Y E N T L A L A E V S F L E Q V L N D N P S V S G K L I R D A A E A D P E I C S M S L D D D R L K D D R L K D D R L K D D D R L K D D R L K D D D R L K D D L T R M D R F L G E S K M D V S T D D S L S H R I A Q L A H T I F N K K L S S Y T D E Q W Q A L I P T H F A Q L I N S R L S S Q F E L V S D V E R R L T P R L T R Y L A L Q D P E E A G P E L V S D V E R R L T L V H L P D D T W E Q L L Q L E Q L K P L X A K L S E L E V L L D F R R L T P R L T R Y L A L Q D P E E A G P E L V S D V E R T L V H L P D D D K L K E K K K K C K K L E S E F G S E Y N R L Y K H K A K L K K K W Y L D D P K L S F E D L S K K L E S E F G S E Y N R L Y K H K A K L K K K W Y L D D P K L S F E V M A L S S R M W Q L L P V A L P A S E F C E D L M A D P L L G E F D L M A D L F K T L A P L E L M L F F E L E F C E L E L K K K K W Y L L D P K L S F E V E F C E D L M A D L F K T L A P L E L M L A D L F K T L A P L E L M L A D L F K T L A P L E L M L A D L F K T L A P L E L M L A D L F K T L A P L E L M L A D L F K T L A P L E L M L A D L F K T L A P L E L M L A D L F K T L A P L E L M L A D L F K T L A P L E L M L A D L F K T L A P
UniRef90_Q4A659	EFDFLSKKLESEFGSEYNRLYKHKAKLKKWYLL DPKLSF
UniRef90_Q6MHE7 UniRef90_UPI0002197CFC	E IV IM A IL IS S R M W Q IL L I I P IV ID N F M K R C S E E T L N K II L IS H P E L T P R A R A L N A D L F K T L A P II E D L M L A L P A S E F E O L M A D P I I G F
J 10100_01 10002 107 OEO	

UniRef90_UPI000472E3D4	170 180 190 200 LK F V L S E S R D L A R E K M S P E L E S F A L T L A V D G Y H G W S E H Y E
UniRef90_J2PI52	
UniRef90_D6GSG9 UniRef90_E8PMD0	Y R V Y I E D M
UniRef90_UPI00035D1A43	VSFALSEKR SLAREKLAPELETL VSDLAVDGYHGWGQHYD
UniRef90_A1ANS8 UniRef90_B5ENB1	YVHFLNGIRKFRPYTLKENEERLLTRKNLTGVSAFTRLFD WTHLLRNWRKYRDHLRSESEEQILSEKRVTGRGLWERLFD
UniRef90_R7KH03	V K P V I D D II V P V K E H V I N E E E E K I V T S I V S A T D D E S N II V S N
UniRef90_W7AR34 UniRef90_S5KVX7	I A F V L N E A R E N R G K K G S K Q Q E A L I N Å L S V D G Y Q G W S D H Y D I S F I L S E A R T N R R K K G S K E Q E A A I N S L A V D G Y R G W S D H Y D
UniRef90_U5LG75	L E F V L T E R R E R A A E K L S K Q E E S L I N A L G I D G Y H S WG Q M Y D
UniRef90_M1ZHB8 UniRef90_E0SWW2	I S F P L E E R R E K A K M R M D P V L E R L A T D L S V D G Y H A W G E Y Y N L T A A I R Q A K I K K A H Y L G A D V E K A L T N L G E V F Y S P Q D I Y T K
UniRef90_R5RBE5	YKPFLERVRRFQAHELPEEQEAIFLDKSVTSGGAWRRLYD
UniRef90_K6DSQ6	L A F V L T E S R E K A K E K L S K E E E A L T S A L E V D G Y H S W G Q L Y D V S F N L S E S R S Q A R D K M T P E L E S L A L S L S V D G Y Q G W S S F Y N
UniRef90_UPI00036D6571 UniRef90_R6J283	YKPWLDKVRRFKKYELSEAVEEILHEKSVTSGSAWVRLYE
UniRef90_B7IHS0 UniRef90_R6H3B4	Y S Y A E K K E K K H L S K D A E R L A A T S S R R D A L S N L Y E Y R F Y F R Q V R E G S R Y L L G S Q G E D M A K M Q L S G S S A W S D L Q
UniRef90_V4PM46	Y R F Y F R Q V R E G S R Y L
UniRef90_UPI00035F498D	HAFYLNEIRSVAGEKMSPELESLALGLAVDGYHGWSDFYD WRPWLRRVRAMKPHELSSELETFIAERMPIAAQ WPRLFD
UniRef90_D9QNP4 UniRef90_UPI0004792C48	LAFVLTERRERAAEKLSQEEEAAI NALAI DGYHGWGQMYD
UniRef90_M3EJS2	FTFVLNEWREEAKQLLSEKEESVITALSLDGYHGWGQLYD
UniRef90_M8DIT3 UniRef90_U2FJI8	I S F P L E E R R E K A K M R M D P V L E R L A T D L S V D G Y H A W G E Y Y N L T A A I R Q A K K K A H Y L G A D V E K A L T N L G E V F Y S P Q D L Y T K Y K P F L E R V R R F Q A H E L P E E Q E A I F L D K S V T S G G A W R R L Y D L A F V L T E S R E K A K E K L S K E E E A L I S A L E V D G Y Q G W S S F Y N Y K P W L D K V R R F K K Y E L S E A V E E I L H E K S V T S G S A W V R L Y E Y S Y A I E K I K L E K K H I L S K D A E R I L A A T S I S R R D A L S N L Y E Y S Y A I E K I K L E K K H I L S K D A E R I L A A T S I S R R D A L S N L Y E Y S Y A I E K I K L E K K H I L S K D A E R I L A A T S I S R R D A L S N L Y E Y S Y A I E K I K L E K K H I L S K D A E R I L A A T S I S R R D A L S N L Y E Y S Y A I L E K I K L E K K H I L S K D A E R I L A A T S I S R R D A L S N L Y E Y S Y A I L E K I K L E K K H I L S K D A E R I L A A T S I S R R D A L S N L Y E Y S Y A I L E K I K L E K K H I L S K D A E R I L A A T S I S R R D A L S N L Y E Y S Y A I L E K I K L E K K H I L S K D A E R I L A A T S I S R R D A L S N L Y E Y S Y A I L E K I K L E K K H I L S K D A E R I L A A T S I S R R D A L S N L Y E Y S Y A I L E K I K L E K K H I L S K D A E R I L A A T S I S R R D A L S N L Y E Y S Y A I L E K I K L E S S S S S S S S S S S S S S S S S S
UniRef90_UPI0002896DE5 UniRef90_B9Y3C3	HAFYLREEVKKNKYLLGENEELLISKMKNTGSSAWSKLQD HAFWLQELRSHAAHTLSDEVEDAIGKMELNGSNAWAQLQ
UniRef90_M5IPY2	Y LDSLAKEKAHQLSLKEEQILLRTANTGADGFSRLFD
UniRef90_R6HR34 UniRef90_D4W308	Y K P F I M R A Q R F K K Y D L P E A V E E V F V E K S V T S S E A W V R F Y E H T F F F K E L Q R F S H Y L L S D N E E S I I A K M Q N T G S I A W A K L K D
UniRef90_B2V1J4	HEFILK NI JENSGYLLSDKEENI I ARMKNTGSNAWLKLKD
UniRef90_D0BNL1 UniRef90_UPI00047B1DB5	YRYYFEEAKKEAA <mark>H</mark> LLSDELEEVLAKMSI SGGKAWSQLFD I QFSLEERRQRAREKLSTNEEKLTQALSI DGY <mark>H</mark> AWGDMYN
UniRef90_M5PBM5	HAFTL GELVSHAAHTL SDEVED I GKMEN GSSAWS L Q Y L DSLAKEKAHQL SLKEEQI L LRTANTGADGFSRLFD YKPFLMRAQRFKKYDL PEAVEEVFVEKSVITSSEAWVRFYE HTFFFKELQRFSHYLLSDNEESI I AKMQNTGSI AWAKLKD HEFFLKNI IENSGYLL SDNEESI I AKMQNTGSI AWAKLKD YRYYFEEAKKEAAHLLSDELEEVLAKMSI SGGKAWSQLFD I QFSLEERRQRAREKLSTNEEKLTQALSI DGYHAWGDMYN AYI LNERRTRVKEKLGINQETLI IEL AVDGYHAWGDMYN AYI LNERRTRVKEKLGINQETLI IEL AVDGYHAWGDLYD YLYGYEKFFEQAKHILSEHDEGLLSKI SKGNSAI DNMYDT HEYFIKDAVRAKELLSEQEEQLI SQMQTTGSLAWSRLQG FAFL NETRTQTKLL SEAEBEGI MSSL RASGDQAWSQMYD YEYGYRKFFRSSKYI LSARDEELLSSLVARSRGAADDLYD YEYGYRKFFRSSKYI LSARDEELLSSLVARSRGAADDLYD YEYGYRKFFRSSKYILSNARDLESLALDLAVDGYHGWGDFYD HIYGFKKFFEEAKHLLNAHDEELLSSLVARSRGAVHPIYDS FSKEI EDLIESKKYKLH NAHDEELLSSLVARSRGAVHPIYDS FSKEI EDLIESKKYKLH SENEEKI I SLMRLTGGNAWNNLYE HRFMLTEMSDKSKYML SENEEKI I SLMRKNTGSNAWNNLYE HRFMLTEMSDKSKYML SENEEKI I LAKMKNTGSNAWNNLYE HRFMLTEMSDKSKYML SENEEKI I SLMRKNTGSNAWNNLYE HRFMLTEMSDKSKYML SENEEKI I LAKMKNTGSNAWNNLYE HRFMLTEMSDKSKYML SENEEKI I LAKMKNTGSNAWNNLYE HRFMLTEMSDKSKYML SEPEEKI I LAKMKNTGSNAWNNLYE HRFMLTEMSDKSKYML SEPEEKI I LAKMKNTGSNAWNNLYE HRFML TEMSDKSKYML SEPEEKI I LAKMKNTGSNAWNNLYE HRFML TEMSDKSKYML SEPEEKI I LAKMKNTGSNAWNNLYE HRFML TEMSDKSKYML SEPEEKI I LAKMKNTGSNAWNNL FD LEYFL QRELEGGLEHQMSPELEBLLASTOR
UniRef90_A0A015KV89 UniRef90_L5L9Q3	A
UniRef90_UPI00035F6E2A	HEY FIK DAVRYAKRL LSEQEEQLISQMQTTGSLAWSRLQG
UniRef90_UPI000288A771 UniRef90_R4U245	F A F L N E T R T Q T K L L S A E E E G M S S R A S G D Q A W S Q M Y D Y E Y G Y R K F F R S S K Y L S A R D E E L L S V A R S R G A A D D L Y D L
UniRef90_U6B5B4	YSPWIKNVRKLKKHLLSNDLECLMSDMSQTGLNPIKMFFS
UniRef90_E0RCP1 UniRef90_UPI00046F134F	
UniRef90_W5V0G1	F S K E I E D L I E S K K Y K L H D K V E E Y L V S A G Y G S I S L D Q S F A I
UniRef90_A7HMC6 UniRef90_C0ZCP0	H K F F I E E Q K L S K Y L L S E N E E K I S L M R L T G G N A WN N L Y E H R F M L T E M S D K S K Y M L G E K E E I I L A K M K N T G S N A W T K L H E
UniRef90_D3UHY2	Y G Y Y L E K L L L K K S H Q L S L E E E K V L L Q V S P V G V D A F A R L F D
UniRef90_K4RHP6 UniRef90_F9CXW7	Y A Y F L R L L L R Q K P H M L S L P E E K V L L A T C G V G V E A F S N L F D Y L N H K R L F A K Y A L S E P E E K L N T L D V T G L S A L V K L Y D
UniRef90_V5WEZ4	LEYFLQRELEGLEHQMSPELEDLASDLQRSAGDAWGRLQS
UniRef90_N9Y2T3 UniRef90_D1R6R6	HTFHLNEIKEYSKHILSDREELITAQMKGSGSSSWTKLKD YKFFLEKLLRKKAHTLSSESEALCAMAGKAMETPYKAFNA YKAFIEEERRSKPYNLSKEVERALTVRSAFAGKRQVVEFY
LINIDATON KOEAOO	Y K A F I E E E R S K P Y N L S K E V E R A L T V R S A F A G K R Q V V E F Y
UniRef90_UPI00047ACC92 UniRef90_W4VC25	Y E S F L N D L I T E K K H M L D P K V S Q A L S E F S D V F S A P Y A N Y Q M
UniRef90_Q7VF67	Y A Y F L E K L I E Q D T Y Q L S L A E E K V L L A T S P V G V G A F S R L F D
UniRef90_UPI00047176E2	S R F G L Q E M R D Q A K E L L D D Q T E T M I N D L A V D G F T G W S D H Y T
UniRef90_Q6KI91	HQKSLEFILESKKHKLEDEIEEFLTKTSRADINADEVFSI
UniRef90_R1GP55	HAFRLSRLRAQQAFRLSVPEEQLLSAMQVDGKNAWGRLYD
UniRef90_I9KZD2	LAFNILTEMRQQGLALLDDDTEALINSLALDGFQGWSDHYD
UniRef90_F2JMY0	FRFFLQEIVEHSKHLLREKEEVLLAKMKNTGSTAWVNYKN
UniRef90_R6UCX0	Y S Y L L H T I I K E D S T Y L L IS D D IV E D IV L IS K M N L I S G G E A WA N L Q H M E IV L N E I I K O O N K Y I L I D D O S E S IV L A N M K T T G S S S WIT W V K D
UniRef90_UPI0004670BD9	HUFI LKELQQNQKYTLDKKSESI LAHMQNTGSNAFSKUKD
UniRef90_A0A016QM18 UniRef90_H1X5R9	HEHLIRRSVQAAQHQMTPQEEDLAARLRPSGAGGWAKLHG VAFHLNELRDDAARLIDDRAFFIIINKIIRIDGIGAWSFHYD
UniRef90_UPI00029AD494	NRYFL TRRKNAALRLPKPQELLAADLAVDGLHGWGRLFD
UniRef90_B7CB85 UniRef90_UPI000382082F	Y K Y F IL IN DIL IH E S G K Y IL L IS E DIVIE E A IL IA K M N II IS G G S A W E K Q Q S R Q F P IL T E M R Q E A Q K IL L IS T D E E O IL I IS F II A IV ID G F O G W G F M Y D
UniRef90_R7GLI4	HAYLLHELKNKOKYVLDEKEESLI AHMKNT GS Y A WMKHKD
Uniker90_B4KA13 UniRef90_D6U4M3	HAFPLRKAYKQARHLMSPVEEELLASELNVSSGSAWTKI HG
UniRef90_UPI0004724480	Y Q F R M K Q L Q L N L S H T L S E E T E A L T A M M N K N A S S A W E N M H N
UniRef90_UPI0004044D5B	KEYRYRKYTDPNFK <mark>C</mark> LITEDEKKVVIATLISII GQDYALINI IYNI
UniRef90_B3PMZ6	VKKDLQELLKDLKYKLNDNVESYLNDTAKGAPALDELFSL
UniRef90_SUKHH/ UniRef90_R6UXJ8	Y S F L L Y T L K D K A S H S L C K E E E A M L A K L S Q T S T A A F S D M Y Y
UniRef90_UPI00037D9912	UAYPLQEKREEARGKLPAAQEQLLQDLSTNGYHAWVNLH
UniRef90_UPI0003B424D1 UniRef90_UPI0003B7282F	T KILL VIE EAKE EAILIHLIMPEGEEVLIAAEILISILIS GRQAWNKILIH HEHFII IRKSVKYARHQMTPPEEDILIAARILIHPSAGGGWTKILIHG
UniRef90_U4KQK1	YLYNLQLEQESAKHLLSEKEEVLYSKLSELSSSSWSRLQG
UniRef90_UPI000469470A	
UniRef90_E6L9R1	Y E S N D I I E K H M
UniRef90_W0A086 UniRef90_Q4A659	Y R H S L D V L L E S F K Y K L H D E V E E Y I V K S S H G T I I S I F T T
UniRef90_Q6MHE7	AKFDWSQERTQKPFMLSDDEETLLQALSMPGLHAWGELYS
UniRet90_UPI0002197CEC	E A Y K L R <mark>H</mark> E K K <u>L </u> Q D Q K L P <u> </u> V E A E Q <u>L V I </u> G L G T D G <u>L </u> H A WG N L Y N

```
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
                                                                                                                                                                                                                                                                            RFPRPRRRRRAPRPPGPARERPPQKPRAASARRRPRAQRRPAAPRRAREQT<mark>T</mark>
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_UPI0003:
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_W5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_UP1000357498D
UniRef90_D9QNP4
UniRef90_UP10004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_M8DIT3
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_D4W308
UniRef90_D4W308
UniRef90_D4W308
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_UPI00047B1DB5
UniRef90_UFI00035F6E2A
UniRef90_UPI00028BA771
UniRef90_UPI00028BA771
UniRef90_UPI00028BA771
UniRef90_UPI00046F134F
UniRef90_UPI00046F134F
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_D3UHY2
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
UniRef90_N9Y2T3
UniRef90_D1R6R6
UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
                                                                 UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPl00047176E2
UniRef90_K0N779
                                                                                                                                                                                                                                                    UniRef90_K0N779
UniRef90_Q6Kl91
UniRef90_Q6Kl91
UniRef90_R1GP55
UniRef90_IPKZD2
UniRef90_IPKZD2
UniRef90_P2JMY0
UniRef90_F2JMY0
UniRef90_F2JMY0
UniRef90_E7G5R7
UniRef90_UPl0004670BD9
UniRef90_UPl0004670BD9
UniRef90_UPl00029AD494
UniRef90_UPl00029AD494
UniRef90_UPl000382082E
UniRef90_UPl000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
UniRef90_D6U4M3
UniRef90_UPl0004724480
UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
UniRef90_UPI00037D9912
UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
```

UniRef90_UPI0002197CEC

UniRef90_UPI000472E3D4 UniRef90_J2PI52 UniRef90_D6GSG9 UniRef90_E8PMD0 UniRef90_E8PMD0 UniRef90_B5ENB1 UniRef90_B5ENB1 UniRef90_R7KH03 UniRef90_W7AR34 UniRef90_W7AR34 UniRef90_W7AR34 UniRef90_W7AR34 UniRef90_W7AR34 UniRef90_M1ZHB8 UniRef90_M1ZHB8 UniRef90_E0SWW2 UniRef90_R5RBE5 UniRef90_R5RBE5 UniRef90_R6DSQ6 UniRef90_UPI00036D6571 UniRef90_B7IHS0 UniRef90_B7IHS0 UniRef90_B7IHS0 UniRef90_UPI00035F498D UniRef90_UPI00035F498D UniRef90_UPI0004792C48 UniRef90_UPI0004792C48 UniRef90_UPI0004792C48 UniRef90_UPI0002896DE5 UniRef90_UPI0002896DE5 UniRef90_UPI0002896DE5 UniRef90_UPI0002896DE5 UniRef90_UPI00047B1DB5 UniRef90_D4W308 UniRef90_D4W308 UniRef90_D0BNL1 UniRef90_D0BNL1 UniRef90_DM5PBM5 UniRef90_M5PBM5	250 MF H K WE E A WGS S A A D Y C A D T L N H L A G F R L SL Y R H R G W D S V L NF E K WT E A WG K E T E L C A Q A L N H L G G F R L SL Y R H R G W D S V L S F Q S F N G L K K Y Q N T T A F Y Y Q N H Q K E K L J A M R G F S S V F A H R E L Y G K L M A E A P T L S A V F N A V F L D L R L R G Y S S P L A F A S WE E A WS K S A D Y C A D Y L N R L A G F R L K L Y E R R G W D N V L A M T T F L E K H G Q N G L V F N A V F L D D R L R R G Y S S P L A A E S L S K G L E G R L H T L T T C F N A V L A D K S L D D R L R R Y P H W L A D T K K Y S E S F Q K E S R L F A D T L N H L A G F R L A T Y E L R K W D N V L V F K E Y T R V WQ S E A R L F A D T L N H L A G F R L A T Y E L R K W D N V L V F K E Y E N A W D K E Q D Y L A D T L N H L A G F R L A L Y K N R G W D D V L L F S K Y E E A WA D A A E L T S G V L N H L A G F R L A L Y K N R G W D D V L L F S K Y E E A WA D A A E L T S G V L N H L A G F R L A L Y K N R G W D D V L L F S K Y E E A WA D A A E L T S G V L N H L A G F R L A L Y K N R G W D D V L L F S K Y E E A WA D A A E L T S G V L N H L A G F R L A L Y K N R G W D D V L L F S K Y E E A WA D A A E L T S G V L N H L A G F R L A L Y K N R G W D D V L L F S K Y E E A WA D A A E L T S G V L N H L A G F R L A L Y K N R G W D D V L A G K E L N R V S R E N A R L F A D T L N H L A G F R L A L Y K N R G W D D V L A G K E L N R V S R E N A R L F T T M L Y N M V I K K R G W D D V L A G K E L N R V S R E N A R L F T T M L Y N M V I K K R G W D D V L A G K E L N R V S R E N A R L F T T M L Y N M V I K L D R R G W S P V V F K K N W E Q A W T D D P O A A L L N T L L A F E K L A L Y D R R G W D D V L A G K E L N R V S R E D N A P L F T M L Y N M V I K L D R R G W S P D V V F K K N W E Q A W T D V E A L T L N T L L A F E K Q V L D R W G F K R P A A W K L F E R Y K A D E L T L N T L L A F E K Q V L D R W G F K R P P A A M K L F E R Y K A D E L T L N T L L A G G F R L N V Y K K R G W E D P L A Y E A E L A A Y K K L E E S S A A S L N S L K G E V L T T V A K L R G Y K S P L A Y E A E L K S Y K K L E D S S A A
UniRef90_L5L9Q3 UniRef90_UPl00035F6E2A UniRef90_UPl000288A771 UniRef90_R4U245 UniRef90_U6B5B4 UniRef90_E0RCP1 UniRef90_UPl00046F134F UniRef90_W5V0G1 UniRef90_A7HMC6 UniRef90_A7HMC6 UniRef90_D3UHY2 UniRef90_K4RHP6 UniRef90_F9CXW7 UniRef90_F9CXW7 UniRef90_V5WEZ4 UniRef90_N9Y2T3 UniRef90_D1R6R6 UniRef90_D1R6R6 UniRef90_D1R6R6 UniRef90_UPl00047ACC92 UniRef90_UPl00047ACC92	A Y E A E L R G Y E K I D E G V A A S L N G I K G E F L T I S E K R G Y R D P L V D E V I E Q A F A E K E Q F F A H T L N H L A G F R L T T Y K K R G W D D V L V S E L F T K N L V E K K H S L A R V Y E A I I H E A V E D V Q L R G Y K N T L S G K A I S K T F N K S G Y I F T F I T N S I A K E D E I Q D K W R K Y D N I A V F A R W E E A W T Q V E D Y C A D T L N H L A G F R L K L Y E K R G W T D V L A S K L Y S K N Y V D R K H S F T A I Y E G I L Q G S V E D V Q L R G Y E S T L A Y S S Y Y A G Y L K H K E T F A N L W Y Q H V R Y N S T Q A R V R G Y N S L I A Y E A E L K A C E N A S Q V V A Q C L N S I K G E F L T E V N L R G Y S S P L A Y E A E L A A Y K K I V D A A A A S L N G I K G E V I T V A K L R G Y E S P L A Q K C F S K E L K K S R M L L G Y I F N M V R K D L Q I Q S K M R N Y P N K E A Q K R L T K S L K K Q E L V L T Y V L N M V R K D L H L D T K L R N Y E K P E A Y K T I L T K Y T E N K G V N G E I Y Q N I V L N W K D E G E I R G Y K S P I A Y H L E L S L W K R H E T A F A A A L N G V K G N S I S L Y N R R N Y P D M L A Y E A E L K S Y K K I E N S V S S A L N G I K G E V I T I S K L R G Y S S P L A F N Q L H G K Y L K Y E N S L T E L L Q G A V Q N H L F N A Q A H H Y P T C L C M N L N E G L V K F E R T C A L S L N M V A G S W H I E N T E R G F K N L R A F E S F Y K E L S N Y E N G L A N N Y R T K V L T E K A Y S N L K G Y D S V I
UniRef90_Q7VF67 UniRef90_UPl00047176E2 UniRef90_K0N779 UniRef90_A3US22 UniRef90_R1GP55 UniRef90_P8KZD2 UniRef90_P8KZD2 UniRef90_P8KZD2 UniRef90_P8KZD2 UniRef90_P8KZD2 UniRef90_P8KZD2 UniRef90_P8KZD2 UniRef90_F2JMY0 UniRef90_R6UCX0 UniRef90_E7G5R7 UniRef90_UPl0004670BD9 UniRef90_UPl0004670BD9 UniRef90_UPl00029AD494 UniRef90_UPl00029AD494 UniRef90_UPl00029AD494 UniRef90_UPl000382082E UniRef90_UPl000382082E UniRef90_B7CB85 UniRef90_UPl0004724480 UniRef90_B4RA13 UniRef90_UPl0004724480 UniRef90_UPl0004724480 UniRef90_UPl0004724480 UniRef90_UPl0004724480 UniRef90_UPl0004724480 UniRef90_UPl00037D9912 UniRef90_UPl00037D9912 UniRef90_UPl0003B424D1 UniRef90_UPl0003B424D1 UniRef90_UPl0003B7282F UniRef90_UPl0003B7282F UniRef90_UPl000469470A UniRef90_UPl0004669 UniRef90_UPl0004669 UniRef90_UPL0002197CEC	A Q K V F S K K K K K S R H L S Y V L N M V R K D L S I T T A L R G Y K P E A Y K N Y I Q A F L K H K E S L A N L L Y Q H F K T L T V H A K L R H Y D S T V V T N M V R K D L S I T T A L R G Y K S P V L Y K N Y I Q A F L K H K E S L A N L L Y Q H F K T L T V H A K L R H Y D S T V V T T I N W D D H A S L F G E T L N H I A G F R L T N Y R A Q L R N Y P S A V A W Q A V Q G A M K T H Q E S F A S I L N A L A G W R L T E N K K R S K I S F L L M A U A L R E N K W S T W A Q L R N Y P S A V A W Q A H A A P F A D T L N H L A G F R L T N Y R A H G T D D F L L M H N W E A A W Q A H A A P F A D T L N H L A G F R L T Q Y K K R S H T H F L L M H N W E Q A W T D K E Q L F A D T L N H L A G F R L T Q Y K K M R G Y E S P L A Y E A E L K A Y D K I R D A V A F S L N S I K A Q Q L T T E C E L R G F A S P L A Y E A E L K A Y D K I R D A V A F S L N S I K A Q Q L T T E C E L R G F A S P L A Y E A E L K A Y D K I R D A V A F S L N S I K G E A I T V T Q L R G Y D N H L A Y E A E L K W W Q D A E V L A A A L N G V K G E E G T L S L R A H G Y T S P M A Y E A E L K W W G S A E N L A A D T I N H L A G A R R L T T Q Y K M R G Y T S P M A Y E A E L K S Y A P L A D A L N G V K G E E G T L S L R G Y S S P L A Y E A E L K S Y A P L A D A L N G V K G E E G T L S L R G Y S S P L A Y E A E L K S Y A P L A D A L N G V K G E E G L T T S A K M R G Y T S P M A Y E A E L K S Y A P L A D A L N G V K G E E G L T T S A K M R G Y T S P M A Y E A E L K S Y A P L A D A L N G V K G E E G L T S S L R R G Y T S P M A Y E A E L K S Y A P L A D A L N G V K G E E G L T S S L R R G Y T S P M A Y E A E L K S Y A P L A D A L N G V K G E E G L T S S L R R G Y T S P M A Y E A E L K S Y A P L A D A L N S L S F S L N N I K G G R R L T T Y T S K L R G Y Y S S P L N F L K G Y C S P L N T L S C S G I K G E V L Y T T S K L R G Y Y S S P L N F L K G Y C S P L N S L S C S C S C S C S C S C S C S C S C

UniRef90_UPI000472E3D4 UniRef90_J2PI52 UniRef90_D6GSG9 UniRef90_E8PMD0	290 300 310 320 K E P L A I N R M S R A S L D T M W D V I T K A K P A L V S Y L S R K A K L L G R E P L D I G R M Q E K T L D A M W Q A I D N R K D R L V A Y L E R K A K L L G D Y L L L D Q K V T K E M Y H R Q I D L I M K E L P Y M Q K Y A A L L K K I Y H E P V A L R D E V E V K D I E A L L E A T Q A H Y P L V E A Y Y R W K A R R L G
UniRef90_UPl00035D1A43 UniRef90_A1ANS8 UniRef90_B5ENB1 UniRef90_R7KH03 UniRef90_W7AR34	REPLAINRMS DQILAAMWKVIEESKPIFVAYLERKAKLMG QPTNIGNEIPDEAVEHLMAVTEANYGLAQEYFRLKAGLLG SERNLSNEISDGMVEALEQAVVGRYGLVARYYRLKAKLLN EAKLFSNELNVKVYDTLSKVVRENVSSLQRYYKVRKKILG SEPLAINRMKEETLDAMWNVIRDSKATFVSFLNRKAKLLG
UniRef90_S5KVX7 UniRef90_U5LG75 UniRef90_M1ZHB8 UniRef90_E0SWW2 UniRef90_R5RBE5	KEPLEYNRMTEETLEAMWATVEKNKETLVRYLERKARLLG DYLLAFQFVDRVMFDROUDLIKDFAPVAORYLKHVAKVNG
UniRef90_K6DSQ6 UniRef90_UPI00036D6571 UniRef90_R6J283 UniRef90_B7IHS0 UniRef90_R6H3B4 UniRef90_V4PM46	A A R N L D N Q V D D K A L A S L T E S V R K Y A N L C G R F Y K L K A K W L G K E P L G I N R M K K E T L E T M W A V I S E N K Q K L V Q Y L E R K A K L L G R E P L E I N R M S D K T L D T M W Q V I T D N K P I F V E Y L K R K A Q M L N S E R N L A E N V K D S T V D V L A Q T V R E N K N I A H R F Y K L K A K W L G S M R N L E N A V S D E S V E K L I E I T T E N T N I V H K Y Y K W K A Q E M N D K A L K D A R M Q R A T L D A M F A A I D E Y L P K F W A Y L K A K A K A L G A S R H L A N E V D K D A V D A M A E A V G E S Y A N L H R Y Y K I K A K I L G K E P L A I N R M S E Q T L N T M W D V I V K N K P V F V S Y L E R K A E V L G D S R H L A N E V D G E A V D A M A D A V A A A Y P K L H R Y Y A L K A K A L G
UniRef90_UPI00035F498D UniRef90_D9QNP4 UniRef90_UPI0004792C48 UniRef90_M3EJS2 UniRef90_M8DIT3	A S R H L A N E V D K D A V D A M A E A V G E S Y A N L H R Y Y K I K A K I L G K E P L A I N R M S E Q T L N T M W D V I V K N K P V F V S Y L E R K A E V L G D S R H L A N E V D G E A V D A M A D A V A A A Y P K L H R Y Y A L K A K A L G K E P L E L N R M K K E T L D T M W D V I A K N K Q P L V N Y L N R K A E L L G Q E P L H I N R M K Q E T L D A M W G A I S K N K Q P F V E Y L A K K A E L L G D K T L Q D S R M D K E T L D A M L T A M R E S L P A F H K Y Y R A K A K L L G
UniRef90_U2FJI8 UniRef90_UPI0002896DE5 UniRef90_B9Y3C3 UniRef90_M5IPY2 UniRef90_R6HR34	S Q T
UniRef90_D4W308 UniRef90_B2V1J4 UniRef90_D0BNL1 UniRef90_UP100047B1DB5 UniRef90_M5PBM5	DETLIKSRMTRQTLDAMLEALEESLPKFREFLRLKASLLG EQTLKDSRMDAESLDAMISAMKKSLPMFRKYLRRKAEILG AHTLEASRMSHETLDALLEAIREYLPNFRKYLRHKAALLG KEPLDYNRMSEKTLDAMWGVIJDHKKPFLPYLEKKAQLIG KEPLAVNRMKLETLDAMWGVIJDHKKPFADYLSRKASLLG
UniRef90_A0A015KV89 UniRef90_L5L9Q3 UniRef90_UPI00035F6E2A UniRef90_UPI000288A771 UniRef90_R4U245 UniRef90_U6B5B4	DMTLFNSRMRKETLDAMFTALDEALPRFHAYLRHKAELLG SPRHFSNQTTKASVDALIKAAETSFDLPIKFYEKKKILG SGPNLGEDVKDVTVETLAQTVRDNYKLAHRFYKLKAKWLG DETLIKSRMTRQTLDAMLEALESLPKFREFLRLKASLLG EQTLKDSRMDAESLDAMISAMKKSLPMFRKYLRRKAELLG AHTLEASRMSHETLDALLEAIREYLPNFRKYLRHKAALLG KEPLDYNRMSEKTLDAMWGTITENKHRFLPYLEKKAQLIG KEPLDYNRMSEDTLDAMWQVIJDHKKPFLPYLSRKAKLLG KEPLQMNRMSEDTLDAMWQVIJDHKKPLFADYLSRKAKLLFG QASLSSDSIPVDIYLKLLEVGKKYIKPLEDFLLLTKKHFK EATLETMKMDRSVFDTLMDVMKESLPIFRRYLKIKAQLLG AEPLRINRMQRETLDAMWDAISNTRAPFVDFLNRKAKLLG QAALSGDDVDEEIYVSLIKYGKKHSNLFARYELLKNYFK
UniRef90_E0RCP1 UniRef90_UPl00046F134F UniRef90_W5V0G1 UniRef90_A7HMC6 UniRef90_C0ZCP0	KEPLEISRMSAQTLDTMWQVINETKPIVVKYLERKAKLLG QASLSGDSVPVDIYLKLLEIGKKYNQPFKNYFQLVKNYFQ EACLFPDRFPKEMLQNLFKSVQESAPLLTKYKNAHAKFF EPMLMENRISKETFDAMMSAVKGSMPLLRKYLRKKAELLG DKTIQDSRMDRFTIFAMIQAMRESIPSEHQYFRTKAKLLG
UniRef90_D3UHY2 UniRef90_K4RHP6 UniRef90_F9CXW7 UniRef90_V5WEZ4 UniRef90_N9Y2T3	T F R H L G N Q I S Q A S V D S M I E I V B E H Y P L V H R Y Y K H K S Q I L G
UniRef90_D1R6R6 UniRef90_K8F1Q9 UniRef90_UPl00047ACC92 UniRef90_W4VC25 UniRef90_Q7VF67	D P SL R S S R I S R K T L D S L I Q A M E D A L P M F R R Y L K R K A S C L G E E T V I N S R L D M K S L N A M L S A M K E S L P V F R K Y Y K R K A E L L G D A A L F P K N I D T K V Y T A L I Q A V N E E L P S L H R Y M H L R R R V L G S Q R N V S N N V P D E A V D S L L T A V K T T V D L C K K Y Y R L K K G I L G D Y L L V N Q K V S K D M Y D R Q I D L I M E H L S P M R K F A R L L K D L Y S M D A D N I S L D V Y D N L I E T V N K N L H L L H R Y L K L R K K A L K S F R H I N N G A T Q K S V D K L I D I V S A H Y G I V A D Y Y R V K A S L L G Q M L T Y N D K V S D Q I L Q K L Y S Q V S V Q K N I L L K Y K K F R A K F Y K F K P L Q Y N R M Q R A T L D Q M W H T I S A N K Q P F A A Y L T R K A E L T G E S L Q F D K A D I L L F T V Y S Q V O K A L P F O K Y D F W K K K F F K
UniRef90_UPI00047176E2 UniRef90_K0N779 UniRef90_Q6Kl91 UniRef90_A3US22 UniRef90_R1GP55 UniRef90_I9KZD2	G ML I Y N D K V S D Q I L Q K L Y S Q V Q K N I L L K Y K F F K A K F Y K F K A K F X F X F Y K F K A K F X F X F X F X F X F X F X F X F X F
UniRef90_UPI0004660764 UniRef90_F2JMY0 UniRef90_R6UCX0 UniRef90_E7G5R7 UniRef90_UPI0004670BD9	QEPLKQNRLSAQTLKTIWKVVDDNKQFLLDYLDRKAALLGAMTLEDSRMSKATLDAMLSAMKESLPTFRKYLRRKAEMLGAMTLEDSRMSKATLDAMLSAMKESLPTFRKYLRRKAEMLGAMTLHNAHMKQETLDALLHTMQSYMPKFHAYLRRKAELLGQRTLIDSRMSQKTLDVLLATMKKALPMFEKYFQTKAQYLGERTLINARMSKETLDVLLETINENLPLFRDYLKIKANHLGAPSLLTHGLDRETLDAMHGAVERSLPDFRRYFAAKARALG
UniRef90_A0A016QM18 UniRef90_H1X5R9 UniRef90_UPI00029AD494 UniRef90_B7CB85 UniRef90_UPI000382082E	ESTIQEDKADIILLETLYSQVQKAIPIFQKYDFWKKKFFKDPSLHGSRIVPETLDTMMSVAKANRAVGQKAGLLMARVHGAPALEEARIEQPTLDTMMSVAKANRAVGQKAGLLMARVHGAPALEEARIEQPTLDTMMSVAKANRAVGQKAGLLMARVHGAPALELNRMSRATLDTMYQVVADSKHLLSYLQRKAQLLGQKPLELNRMSRATLDTMYQVVADSKHLLLSYLQRKAALLGAMTLEDSRMSKATLDAMLSAMKESLPTFRKYLRRKAEMLGAMTLEDSRMSKATLDAMLSAMKESLPTFRKYLRRKAELLGQRTLIDSRMSKATLDVLLATMKKALPMFEKYFQTKAQYLGGRTLIDSRMSKETLDVLLETINENLPMFEKYFQTKAQYLGGRTLINARMSKETLDVLLETINENLPMFRDYLKIKANHLGAPSLLTHGIDRETLDAMHGAVERSLPDFRRYFAAKARALGDQPLELNRMSRETLDAMHGAVERSLPDFRRYFAAKARALGDQPLELNRMSRETLDAMWQMVDDNKHMFKAYFDRKKELLGEAPLRANRMTRETLDTMWATLTANKGVLKTYFEKKAQLIGDMTLHQSHVSQKTLDTMWATLTANKGVLKTYFEKKAQLIGGDMTLHQSHVSQKTLDTMWATLTANKGVLKTYFEKKAQLIGGEKPLTYNRMKQETLDTMWATLTANKGVLKTYFEKKAQLIGGEKPLTYNRMKQETLDTMWETTAKNKGVLKTYFEKKAQLIGGEKPLTYNRMKQETLDTMWETTAKNKGVLKTYFEKKAQLIGGEKPLTYNRMKQETLDTMWETTAKNKGPLVDFLNRKAQLLQEKPLTYNRMKQETLDTMWETTAKNKGVLKTYFEKKAQLLIGGEKPLTYNRMKQETLDTMWETTAKNKGVLKTYFEKKAQLLIGGEKPLTYNRMKQETLDTMWETTAKNKGVLKTYFEKKAAGLLQEKPLTYNRMKQETLDTMWETTAKNKGVLKTYFLNRKAQLLQ
UniRef90_R7GLI4 UniRef90_B4RA13 UniRef90_D6U4M3 UniRef90_UPI0004724480 UniRef90_A6CZ13 UniRef90_UPI0004044D5B	A S R H L A N E V D A D A V E A L E A A V V E A Y P V S H R Y Y R L K A R A M G E A S L F D S S L D R E T L D A M L S A A R A S F P D WR R Y L R T K A R L L G A A T L E K S H M E A A T L K A L I S A M E E K L P A F R R Y L K H K A K L L G D S S L R E N R I Q R E T L D A M M S A A N E S K A L G Q K A G R L M A R V H G D K A F Y D T D I S T D V F Y M L V D A A H E G C S D F Q R Y L E L H K K G L G D A L I S G D H I T K D F L I T L Y D S V S K N S S L I R K F A T A K A K F F K
UniRef90_B3PMZ6 UniRef90_S0KHH7 UniRef90_R6UXJ8 UniRef90_UPI00037D9912 UniRef90_UPI0003B424D1	DKMLQDSFMKKETLNTMYAAVDKYLPRFHEYLRTKAKLLG
UniRef90_UPI0003B7282F UniRef90_U4KQK1 UniRef90_M5JDS7 UniRef90_UPI000469470A UniRef90_E6L9R1	TEPLIRYNRMSQTTII DSMWEAVNQSKPII ITSYLTRKAHLLGEPTLLKNRIPRKVLAAMQEAVRESLPLFWRYFLLKAKALGEPSLLMNGIDRQTLDAMQAAVVRSLPDFHRYYRAKAKALGEKTLLQSRMKKETLDAMLEAIYHYQPHFEKYLLTKAQSLGEPLELNRMSRQTLDTMWQVVDDNKAMFTDFFARKAQLLGQKPLEYNRLQSATLKTMWQVVSQNKAPLVSFLNRKAALMGMPRHLSNQISQKSVDALILSAEKSYHLVEDFYLLKKQILGDLSCHQGHLERATLETLMTQAEAHKALGRRTLRAMACAQGSMLLSEDKVDEKLLELFEKTQKAKGSFVKYKQNLKKFYLDQSLFYSRITKETLDAMLTACYENVDMSRRANLAMAGMGDUSCHQSHLERATLDTLMGCTWQARANGGRRANLAMAGMGDUSCHQSHLERATLDTLMGCTWQARANGGRRANLAMAGMGDUSCHQSHLERATLDTLMGCTWQARANGGRRANLAMAGMGDUSCHQSHLERATLDTLMGCTWQARANGGRRANLAMAGMGDUSCHQSHLERATLDTLMGCTWQARANGGRRANLAMAGMGDUSCHQSHLERATLDTLMGCTWQARANGGRRANLAMAGMGDUSCHQSHLERATLDTLMGCTWQARANGGRRANLAMAGRIG
UniRef90_W0A086 UniRef90_Q4A659 UniRef90_Q6MHE7 UniRef90_UPI0002197CEC	DLSCHQGHLERATLETLMTQAEAHKALGRRTLRAMA <mark>C</mark> AQG SMLLSEDKVDEKLLELLFEKTQKAKGSFVKYKQNLKKFYL DQSLFYSRITKETLDAMLTA <mark>C</mark> YENVDMSRRANLAMAKLMG DLS <mark>C</mark> HQSHIERATLDTLMQETWQARHLGQRALGLMAGRLG

```
A HET HEA A HONOR ON A NO A ALLO CONTROL TO THE HEA A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A HONOR ON A H
UniRef90_UPI000472E3D4
                                                                                                                                                                                                                                                                                                                                                                                                             NRVRKADPKKKRPRJSESQKKDRKSTTPKETTTQTAVKAPZK_PZSDERSTPKVPLSQESPSTAKEPSTASDQVVQZSPTGQASAPQR
                                                                                                                                                                                                                                                                                                                                                                                                                                                 UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_B7KH03
UniRef90_W7AR34
UniRef90_W5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
 UniRef90_R5RBE5
 UniRef90_K6DSQ6
 UniRef90_UPI00036D6571
 UniRef90_R6J283
 UniRef90_B7IHS0
UniRef90_R6H3B4
 UniRef90_V4PM46
 UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_M5PBM5
UniRef90_A0A015KV89
UniRef90_L5L9Q3
UniRef90_UPl00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
 UniRef90_U6B5B4
 UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
 UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
 UniRef90_N9Y2T3
 UniRef90_D1R6R6
 UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
 UniRef90_W4VC25
 UniRef90 Q7VF67
UniRef90_UPI00047176E2
UniRef90_K0N779
UniRef90_K0N779
UniRef90_Q6Kl91
UniRef90_A3US22
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPl0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_E7G5R7
UniRef90_UPl0004670BD9
UniRef90_UPl0004670BD9
UniRef90_H1X5R9
UniRef90_UPl00029AD494
UniRef90_UPl000382082E
UniRef90_UPl000382082E
UniRef90_R7GLI4
UniRef90_B4RA13
 UniRef90_B4RA13
 UniRef90_D6U4M3
 UniRef90_UPI0004724480
 UniRef90_A6CZ13
 UniRef90_UPI0004044D5B
 UniRef90_B3PMZ6
 UniRef90_S0KHH7
UniRef90_R6UXJ8
 UniRef90_UPI00037D9912
 UniRef90_UPI0003B424D1
 UniRef90_UPI0003B7282F
 UniRef90_U4KQK1
 UniRef90_M5JDS7
UniRef90_UPI000469470A
 UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
```

UniRef90_UPI0002197CEC

360

KSEEKEEDKKEKERKRKKEEEEEEKKKDKKT

NDKKDEEEEKRDEEKKKKKDKETEEEEKEEEEKKSDN<mark>T</mark> RKDEK<mark>T</mark>RRDSDEKDKRKKKKEEEE

UniRed UP100472E3D4 WA E FA A R A F D S N W E V L D 380 WA E FA A R A F D S N W E V L D 380 WA E FA A R A F D S N W E V L D 380 WA E FA A R A F D S N W E V L D 380 WA E FA A R A F D S N W E V L D 380 WA E FA A R A F D S N W E V L D 380 WA E FA A R A F D S N W E V L D 380 WA E FA A R S N E S R M N N N N N N N N N N N N N N N N N N
UniRef90 D6GSG9 V V D L MSSY EERW D MSP RF GKRGGGFGTTSL PSKTHPY LL UniRef90 AFANS8 V GR ARFFEERKW D MSP RF GKRGGGFGTTSL PSKTHPY LL UniRef90 AFANS8 V GR ARFFEERKW D MSP RF GKRGGGFGTTSL PSKTHPY LL UniRef90 AFANS8 V GR ARFFEERKW D MSP RF GKRGGGFGTTSL PSKTHPY LL UniRef90 AFANS8 V GR ARFFEERKW D MSP RF GKRGGGFGTTSL PSKTHPY LL UniRef90 AFANS8 V GR ARFFEERKW D MSP RF GKRGGGFGTTSL PSKTHPY LL UniRef90 AFANS8 V GR ARFFEERKW D MSP RF PSKRGGGFGTTSL PSKTHPY LL UniRef90 AFANS8 V GR ARFFEERKGGGFGTTSL PSKTHPY LL UniRef90 AFANS8 V GR ARFFEERKGGGFGTTSL PSKTHPY LL UniRef90 AFANS8 V CR
UniRef90 JP10003501443
URREF00 DESNEY URREF00 SENSEY URREF00 SENSE
UniRef90 CYMAB34 WA N F A C S A F E K G WI E A E D R D N K R P G G F C T D F P E K E S R I F M M A N F A C S A F E K G WI E A E D R D N K R P G G F C T D F P E K E S R I F M M A N F A C S A F E K G WI E A E D R D N K R P G G F C T D F P E K E S R I F M M A N F A C S A F E K G WI E A E D R D N K R P G G F C T D F P E K E S R I F M M N F A C S A F E K G WI E A E D R D N K R P G G F C T D F P E K E S R I F M M N F A C S A F E K G WI E A E D R D N K R P G G F C T D F P E K E S R I F M M N F A C S A F E K G WI E A E D R D R D R G K R S G A F C N F P E K E S R I F M W S F E K E WI E A E D R D R D R G K R S G A F C N F P E K E S R I F M W S F E K E W E A E D R D R D R G K R S G A F C N F P E K E S R I F M W E A E D R D R D R G K R S G A F C N F P E K E S R I F M W E A E D R D R D R G K R S G A F C N F P E K E S R I F M W E A E D R P G K A P G G F C T G F P S E C S R I F M W E A E D R P G K A P G G F C T G F P S E C S R I F M W E A E D R P G K A P G G F C T G F P S E C S R I F M W E A E D R P G K A P G G F C T G F P S E C S R I F M W E A E D R P G K A P G G F C T G F P S E C S R I F M W E A E D R P G K A P G G F C T G F P S E C S R I F M W E A E D R P G K A P G G F C T G F P S E C S R I F M W E A E D R P G G F C T G F P S E C S R I F M W E A E D R P G G F C T G F P S E C S R I F M W E A E D R P G G F C T G F P S E C S R I F M W E A E D R P G G F C T G F P S E C S R I F M W E A E D R P G G F C T G F P S E C S R I F M W E A E D R P G G F C T G F P S E C S R I F M W E A E D R P G G F C T G F P S E C S R I F M W E A E D R P G G F C T G F P S E C S R I F M W E A E D R P G G F C T G F P S E C S R I F M W E A E D R P G G F C T G F P S E C S R I F M W E A E D R P G G F C T G F P S E C S R I F M W E A E D R P G G F C T S G F P S E C S R I F M W E A E D R P G G F C T S G F P S E C S R I F M W E A E D R P G G F C T S E P S E C S R I F M W E A E D R P G G F C T S E P S E C S R I F M W E A E D R P G G F C T S E P S E C S R I F M W E A E D R P G G F C T S E P S E C S R I F M W E A E D R P G G F C T S E P S E C S R I F M W E A E D R
UniRef90
Unikergo
UniRef90
UniRef90
UniRef90 (RDSQ6
UniRel90
Unire(90, B71HS0)
UniRef90
Unirer90
Unirer90
Unire(90 MSDIT3 LIA Q Y A A R A F D N H WI D A E T R E G K R G G A F C Y N L H V K E S R I MS Unire(90 LP)(00)(2896D55 LIA N L A K T A F E Q N WI D V P P R S G K V G G A F C E N L H L G E S R I MS Unire(90 MS)(PY2 Unire(90 MS)(PY2 Unire(90 MS)(PY2 Unire(90 D8)(N)(PY2 Unire(90 D8)(N)(PY2 Unire(90 D8)(N)(PY2 Unire(90 D8)(N)(PY2 Unire(90 D8)(N)(PY2 Unire(90 D8)(N)(PY2 Unire(90 UP)(00)(A781D85 Unire(90 UP)(00)(
UniRef90_UPI0002896DE5
Dinkef90_MSH272
Dinkef90_MSH272
L A N Y A K K A L D E A W DV M P K S G K V G G A F C E N L H G E S R F L L UniRef90 D0BNL1
UniRef90_UP10004781DB5
UniRef90_UP10004781DB5
UniRef90
UniRef90
UniRef90_UPI000288A771
UniRef90_U6B5B4
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_V5WEZ4
UniRef90_V5WEZ4 UniRef90_N9Y2T3 UniRef90_D1R6R6 UniRef90_UP100047ACC92 UNIREF90_UP100047ACC92 UNIREF90_UP100047ACP
UniRef90_UPI00047ACC92 UniRef90_UPI00047ACC92 UniRef90_W4VC25 UniRef90_Q7VF67 UniRef90_UPI00047176E2 UniRef90_UPI00047176E2 UniRef90_UPI00047176E2 UniRef90_UPI00047176E2 UniRef90_Q6KI91 UniRef90_Q6KI91 UniRef90_Q6KI91 UniRef90_A3US22 UniRef90_A3US22 UniRef90_B1GP55 MAAFAKQAFENGWI DVPAADGKRAGGAYSWGAYTTHPYVLL MVERF90_B1GENERAL BALKKGWVDSHPTPNKRGGAFSHGVPSAHPYVLL MVERF90_B1GENERAL BALKALKKGWVDSHPTPNKRGGAFSHGVPSAHPYVLL MVERF90_B1GENERAL BALKALKKGWVDSHPTPNKRGGAFSHGVPSAHPYVLL MVLDIREF90_B1GENERAL BALKALKKGWVDSHPTPNKRGGAYSWGAYTHPYVLL MVLDIREF90_B1GENERAL BALKAL BALKKGWVDSHPTPNKRGGAYSWGAYSWGAYTHPYVLL MVLDIREF90_B1GENERAL BALKAL BALKKGWVDSHPTPNKRGGAYSWGAYSWGAYSWGAYSWGAYSWGAYSWGAYSWGAYS
UniRef90_UPI00047ACC92 UniRef90_W4VC25 UniRef90_Q7VF67 UniRef90_UPI00047176E2 UniRef90_UPI00047176E2 UniRef90_K0N779 UniRef90_Q6KI91 UniRef90_A3US22 UniRef90_A3US22 UniRef90_R1GP55 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764
UniRef90_W4VC25 UniRef90_Q7VF67 UniRef90_UPI00047176E2 UniRef90_UPI00047176E2 UniRef90_UPI00047176E2 UniRef90_K0N779 UniRef90_Q6K191 UniRef90_A3US22 UniRef90_A3US22 UniRef90_R1GP55 UniRef90_UPI0004660764
UniRef90_UPI00047176E2 UniRef90_K0N779 UniRef90_Q6KI91 UniRef90_A3US22 UniRef90_B1GP55 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764 UniRef90_UPI0004660764
UniRef90_Q6Kl91 YLDKVKEAFNSNWVDYMPVENKRSGAYSIJGFGLDKKYILM UniRef90_A3US22 MADFVALMVENGWIDAAPAANKRLGAYCKFAATRTPLVFM UniRef90_I9KZD2 MAGALAKHALENRWVEARANKRPGGYMENLPETHSRIFM UniRef90_UPI0004660764 UniRef90_F2IMY0 MAALAKHAFEHRWIDVLPKFGKVGGAFCCAVHSGFSRILL
UniRef90_A3US22 UniRef90_R1GP55 MADFVALMVENGWIDAAPAANKRLGAYCKFAATRTPLVFM UniRef90_BKZD2 UniRef90_UP10004660764 MAALAKHAEHRWIDVLPKEGKVGGAFCCAVHSGSSILL
UniRef90_UPI0004660764 MAALAKHAFENRWVEAENRPNKRPGGYMENLPETHSRIFM UniRef90_UPI0004660764 MAALAKHAFEHRWIEAEDRAGKAPGGWMESAPETHSRIFM UniRef90F2 MY0
UniRef90_UPI0004660764 MAALAKHAFEHRWI EAEDRAGKAPGGWMESAPETHARII FM
DOINGIOU LOUNIU
UniRef90_R6UCX0
UniRef90_R6UCX0
IUNIRE190 A0A016QM18 IIIGIDYAARAERED WIIIDAGPRDGKRGGAE <mark>C</mark> MGWAGDESRIIIM
UniRef90_H1X5R9 MAAFAQHAFENQWIEAEDRPGKTPGAWMESVPDIHSRIIT UniRef90_UPI00029AD494 LGDFAKMALSDRWVEAENRSGKQQGGFCTFPTAQQSRIFM
UniRef90_B7CB85
Unikef90_R/GL14
UniRef90 B4RA13
UniRef90_A6CZ13
UniRef90_A6CZ13 UniRef90_UPI0004044D5B UniRef90_B3PMZ6 UniRef90_B3PMZ6 UniRef90_S0KHH7 MA E F VQ T MV D N G WI D A E P S N N R R L G A Y C T K L A A T R P L V F M Y T D L F K K L I T S D Q V D V Y P T S T K S S L Q F M S Q E Y K N E P W V F L Y P Q L V K E A L E T K W V D Y M N V P N K R S G A Y S L G S S Y G L S Y L L M U L R R P G S C S S L P S K E S R L F M Y D Y M N V P N K R S G A Y S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L F M Y D Y M N V P G S C S S L P S K E S R L P S K E S R L F M Y D Y M N V P M Y P M
UNIREISU_ROUXJ8 L Y D M I K Q A D E H W I D Y P S H I G K Q S G A F C E N L W I K Q S K I I I
UniRef90 UPI0003B424D1 A A FIVIA F R A F R F R W M DIL LIP R Q G K IVIG G A Y C M P Q G Q G K SIL L LIA
Unincerso Uniocossistant A R A F R E D WV D A G R R G G A F C M G W E G D A S R I M M
UniRef90_UPI0003B7282F UniRef90_U4KQK1 UniRef90_U4KQK1 UniRef90_M5JDS7 MATFAQSAFDQNWIEAEDRPGKQPGGWMDSLPDAESRIEM MM
UniRef90_UPI000469470A
UniRef90 W0A086 MGDFIVIRMMADRGWIIDAAPSDNRRSGAYCTEYADPEPRIVIFILI
UniRef90_Q4A659 Y T E K I K E A F R E K W I D Y M P C K N K I T G A Y S I G A S F G K K Y I L M UniRef90_Q6MHE7 M A Q F V D M M A E K H W I E A R V L P N K R N G A Y C T G F R K R E P R V F M
UniRef90_UPI0002197CEC MGDFARMMAERGWIDAAPTPNRRTGAYCTGFRKREPRVFM

```
UniRef90 _UPI000472E3D4
UniRef90 _UPI000472E3D4
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90 _DEGSG9
UniRef90
```

	450 460 470 480
UniRef90_UPI000472E3D4	A E T A S T F A E V I V A D A Q V K A A A S N E E K N A L L E A K N Q N S V A F
UniRef90_J2PI52 UniRef90_D6GSG9	A E T A S T F A E MI L A D A A V K N A A N D D E K L V L L E D K L Q S T V A F V E A P S T M N E L L L T N Y L L K D V V D K R M K R W V L S N M I S N Y F H N
UniRef90_E8PMD0	A E T A S V F A E L L L D N L L L E R L S P E E R T L L L A E R V E D A I G T
UniRef90_UPI00035D1A43 UniRef90_A1ANS8	A E T A S T F A E MI L LA D A F V K G A A S K <u>E E K I V L L A D K I Q N S V S F</u> A E T A S V F G E M L <u>L T R R L L D S E S D P L L R K S</u> L L <mark>C</mark> A K I E D <u>I I</u> A T
UniRef90_ATANS6 UniRef90_B5ENB1	A E T A S V F G E M L T F E Q L M R E E Q D P R R R L G L L <mark>C</mark> G K I E D T F A T
UniRef90_R7KH03	A FIVIL SIL LIN F <mark>C</mark> IL LIA N Y WII IK N A K L K F F KIL LIGII IF NIL LIGIV LIF S N
UniRef90_W7AR34 UniRef90_S5KVX7	
UniRef90_U5LG75	A E T A S T F A E MI V A D A A V K N A A T E E E K L A L L E D K I Q R S V A L
UniRef90_M1ZHB8 UniRef90_E0SWW2	AETASTFAEMI VSDAALKKASSKEEKLAL LDDKLSRALAF VEAPSTFNELL LSDYLENQSNDPRQKRFALAHRLTDYFHN
UniRef90_R5RBE5	A EIVIA SIVIF A E MII IT F Q SIL LIS RILID D D K E KILI <mark>C</mark> IL I IA S KIVIN D MII IN T
UniRef90_K6DSQ6 UniRef90_UPI00036D6571	A E T A S T F A E MI VA D A AVKNALDE E E K L V L L D D K I Q R T V A L A E T A S T F A E MI VA D S L V K K A A T E E E K I V L L E D K I Q R S I A F
UniRef90_R6J283	A E T A S T F A E MI VA D S L V K K A A T E E E K I V L L E D K I Q R S I A F E E E VA S V F G E MI T F Q S L L R S L E D D R A K L C L I A G K V N D M L N T A E L A S V F G E F L V F D K I K N E L E G K E K K H F I A S T L E D T F A T
UniRef90_B7IHS0	A ELLA S V F G E F L V F D K I K N ELLE G K E K K H F I A S T L E D T F A T A E T A S T F N E C V V M N A A I A A A T D R E E K L A L I E S Q L S D A T Q L A E T A S L F A E G L V F E H L V A T A S L E E K K A L L A G K I E D G L N S
UniRef90_R6H3B4 UniRef90_V4PM46	A E T A S T F N E C V V M N A A I A A A T D R E E K L A L I E S Q L S D A T Q L A E T A S L F A E G L V F E H L V A T A S L E E K K A L L A G K I E D G L N S
UniRef90_UPI00035F498D	A E I A S I F A E MIL VIA D SIL VIK E A K I E E E KLISIL LIE D KIL IQR SIL IA E
UniRef90_D9QNP4 UniRef90_UPI0004792C48	A E T A S T F A E MI VA D S L V K E A K T E E E K L S L L E D K I Q R S I A F A E T A S L F A E G L T F D R L L A T A P K A E Q R G L L A G R I E D G L N T A E T A S T F A E M I VA D A S V K S A E T E E E K L A L L E E K V Q R S V A L
UniRef90_M3EJS2	A E T A S T F A E MI VA D A S V K S A E T E E E K L A L L E E K V Q R S V A F A E T A S T F A E MI VA D A A V K N A Q S K E E K L A L L E D K V Q R S V A F
UniRef90_M8DIT3 UniRef90_U2FJI8	A E T A S T F A E MI VA D A S V K S A E T E E E K L A L L E E K V Q R S V A L A E T A S T F A E MI VA D A A V K N A Q S K E E K L A L L E D K V Q R S V A F A E T A S L F C E T I I A K A A L E Q A S E E E A F A I L E N D L S G A G Q V A E T A S T F C E T I V M N A A L E T A S E D D Q L T L I E G V I Q D Y N A I
UniRef90_UPI0002896DE5	A E T A S T F C E T I V M N A A L E T A S E D D Q L T L I E G V I Q D Y N A I A E T A S T F C E T I I K K A A V K N V A K E E A L L I L E T E I S D C A Q V A E T A S T F N E T V I M N A A I R D A A S D E E K M M L I E S T L Q D V T Q V
UniRef90_B9Y3C3 UniRef90_M5IPY2	A E T A SIVIFI <mark>C</mark> E MIL VIFID HIIVIK S TILIK G K E K T AIL LIA G KII IE DII IF A T
UniRef90_R6HR34	E E VA S V F G E MMT F Q S L L K Q T A D D K E K L C L I A G K V S D M L N T
UniRef90_D4W308 UniRef90_B2V1J4	A E T A S T F C E T I I K K A A I K N G T D D E I F R I L E T E L T D S T Q I A E T A S T F C E T I I K K A A I K E A T Q D E A L S I L E T E I S D C T Q V
UniRef90_D0BNL1	A E T A S T F N E N I I M N T A I K E A S D E E K I A L I E S Q L Q D T T Q I A E T A S T F A E M I I A D A A V N E A K S S E E K L A L L D N K I G R G V A F
UniRef90_UPI00047B1DB5 UniRef90_M5PBM5	A F L A S L F A F MILIA A D A A ILIK Q A G S F F F KIL V L L IFD KIVIQ R SIVIA F
UniRef90_A0A015KV89	
UniRef90_L5L9Q3 UniRef90_UPI00035F6E2A	A E VA S T VN E HI L F D Y M Y K N A K L K E E K I Y L L Q H R I F D L V S T A E T A S T F N E T M I A E L A M S E A D N D E K L F I L E K S L S G D T Q V A E T A S T F A E M I I A D A A V E A A E _ G A E K I S L L E D K V Q R S V S L
UniRef90_UPI000388A771	A E T A S T F N E T MI A E L A M S E A D N D E K L F I L E K S L S G D T Q V A E T A S T F A E MI I A D A A V E A A E _ G A E K I S L L E D K V Q R S V S L
UniRef90_R4U245	A E V A S V N E H L L F D Y L Y S I A N D E K I Y L L Q N R I E E I M G
UniRef90_U6B5B4 UniRef90_E0RCP1	SETASVEGETLTEDELMRSISDKKEVKTLLAKKVEDSIST AETASTLAELIVSDA LLEAAEGQEKVALLEDKIQRGVAF
UniRef90_UPI00046F134F	A EIVIA S TII IN E HIL LIF D Y M F K N A K N R Q E KII IYIL LIQ H RII IQ DIL LIG T
UniRef90_W5V0G1 UniRef90_A7HMC6	A E L A ST F N E L M L N D Y L L S T S K D D K F K F Q I L T E M I N N F Q G T A E T A S I F N E T L L M N Q I K N E A T L K D E K L A L L D K E L S D A V Q I
UniRef90_C0ZCP0	A E T A S I
UniRef90_D3UHY2 UniRef90_K4RHP6	A E T A S V F A E M L L F D S V K K T L S R D Q L L G I Y A S K L E D I F S T S E T A S V F G E M L L F E N L K K D L D K K E L K G I Y A G K L E D I F S T
UniRef90_F9CXW7	A E L A S L E S E II
UniRef90_V5WEZ4 UniRef90_N9Y2T3	A E T A S T F C E T I V Y H S A I E Q A R G D G K L A L V E G L M E N T Q V A E T A S T F C E T I V K K A A V K G A S K N D A L A I L E T E I S D C G Q I A E V A S T F N E D L L I R L L F E R A K T K E E K
UniRef90_D1R6R6	AEVASTENEDLLÜRLLEERAKTKEEK
UniRef90_K8F1Q9 UniRef90_UPI00047ACC92	A E T A S I F G E MI V F R D L L E R A P S D Q D R L Q M I M G K C D D I I N S L E A P S T I N E L I M A D Y L S K E R N D L R F R R W V L S N L I R T Y Y H N
UniRef90_W4VC25	
UniRef90_Q7VF67 UniRef90_UPI00047176E2	A E T A S V F A E ML L F D ML K T T L D K Q E L I S L Y A G K L E D L F S T A E L A S L Y N E L ML E D Y L L E N S N N L K L K E O L L E N ML D G E V G T
UniRef90_K0N779	A ETA STFA EL IVA DATVKA A TSPA EKLNL LDAKMAN PLAM
UniRef90_Q6KI91 UniRef90_A3US22	A E V A S I V N E S L L M N Y L L E K I E D R M E K A Y L L N H Y L E Q F R G I A E T A S V F A E M L L F D M L K T T L D K Q E L I S L Y A G K L E D I F S T A E I A S I Y N E L M L F D Y L L E N S N N I K L K F Q I L E N M I D G F V G T A E T A S T F A E L I V A D A T V K A A T S P A E K L N L L D A K M A N P L A M A E I A S I F N E L M L Q D Y L L K Q N P S D K F K F S L L S N S I E D F E A T A E T A S I F A E N I V R D H L L K Q A Q T R N E K L E M L WE E L S S S L A L A E T A S I F A E N V V R D A L L E Q A E S D H D K L L M L WE E A Q T A V A L A E T A S T F A E L I V A D A S V K A A D D T K A K L T L L D A K M Q N P L A M A E T A S T F G E L I V A D A N V K A A K T D A E K L S L L S T F I S D S T O V
UniRef90_R1GP55	A E T A SUF A E NV VR D AL L E Q A E S D H D K L L M L WE E A Q T A V A L
UniRef90_I9KZD2 UniRef90_UPI0004660764	A E I A S T F A E L I V A D A S V K A A D D T K A K L T L L D A K M Q N P L A M A E T A S T F G E I I V A D A N V K A A K T D A F K I S I I N A K M D N D V A M
UniRef90_F2JMY0	AETASTECETI VKKAAI KE GSKEEAFAI LETEISDSTQV
UniRef90_R6UCX0 UniRef90_E7G5R7	A E T A S I F A E NI V K D H L L K Q A Q I R N E K L E MIL WE E L S S S L A L A E T A S I F A E NI V V R D A L L E Q A E S D H D K L L M L WE E A Q T A V A A M A E T A S T F A E L I V A D A N V K A A K T D A E K L S L L N A K M D N P V A M A E T A S T F G E L I V A D A N V K A A K T D A E K L S L L N A K M D N P V A M A E T A S T F N E N I I M N A A I E E A K G Q E K I T L I E N Q L Q D L T Q V A E T A S T F N E N I I M N A A I E E A K G Q E K I T L I E N Q L Q D L T Q V A E T A S T F C E T I V K K A A L K N A S Q A E Q L M I L E D G L G G A T Q V A E T A S T F C E T I V K K A A L K N A S Q A E Q L M I L E D Q L G G H A Q V A E T A S T F A E M L I A D A N V Q A A Q S D A E K V V L L D A K M T N P I A A M A E T A S T F A E M L I A D A N V Q A A Q S D A E K V V L L D A K M T N P I A M A A E T A S T F A E M L I A D A N V Q A A Q S D A E K V V L L D A K M T N P I A M A E T A S T F A E A V L G E Q R L Q R A A S D Y E R L Q M L D G M I G D A V A F A E T A S T F A E A V L G E Q R L K S A T P T Q K L V L L E N T K I C L A L S M G E T A S T F N E N I I N N A Y I D E T S T N E L E K L V L L E S Q L Q D L T Q I A E T A S T F N E N I I N N A Y I D E T S T N E L E K L V L E D G S C Q V A E T A S T F N E N I V M N K L I R E A A K S D E E K S Y L L E S Q L Q D L T Q I A E T A S T F N E N I V M N K L I R E A A K S D E E K S Y L L E S Q L Q D L T Q I A E T A S T F N E N I V M N K L I R E A A K S D E E K L Y L L E N S L S O F L A G N T A S L F A E N I V R D Y L L D Q A Q T T T E E K L L D A Y L L G S S Q V A E T A S T F A E E N I V R D Y L L T K T N N K K E K K F M L L D A Y L Q G A A Q V A E T A S T F A E L L V A D A T L K A A T S V E E K L N L L D A Y L Q G A A Q V A A E T A S T F A E L L V A D A T L K A A T S V E E K L N L L D A K M T N P V S M A E T A S T F A E L L I V A D A T L K A A T S V E E K L N L L D A K M T N P V S M A E T A S T F A E L L I V A D A T L K A A T S V E E K L N L L L D A K M T N P V S M A E T A S T F A E L L I V A D A N I A A A Q S D A E K L Y V L L D A K M T N P V S M A E T A S T F A E L L I V A D A N I
UniRef90_UPI0004670BD9	AETASTECETI VITKAALIKDA DOKTKLWL LEDELSGATQV
UniRef90_A0A016QM18 UniRef90_H1X5R9	A E T A SILIFICE TILLI Q N A A LIERSEGDE RILLYV LIET QILLIGHA QV
UniRef90_UPI00029AD494	A E T A S T F A E A V L G E Q R L Q R A A S D Y E R L Q M L D G M G D A V A F
UniRef90_B7CB85 UniRef90_UPI000382082E	A E T A S T F N E N I I M N A V I D E T E D K E V K IL G L I E N Q IL Q D L C Q I
UniRef90_R7GLI4	GETASNFCETI VGKGALKSA TPTQKI VI LENTLSNATQV
UniRef90_B4RA13 UniRef90_D6U4M3	A E T A SI I F G E G L V F E R L L A E A PPA E R R G L L A G R I E D G L N T
UniRef90_UPI0004724480	A E T A S T F N E N I V M N K L I R E A K S D E E K S Y L L E S Q L Q D L T Q I
UniRef90_A6CZ13	A E T A SI IF A E NI VR D Y LL LD Q A Q T T E E K LE ML WE EL S S A Y A L
UniRef90_UPI0004044D5B UniRef90_B3PMZ6	A E LA SUFNEL L LNDYLITKTNNKKEKFMLLENSISDFLIGT
UniRef90_S0KHH7	A E T A S T E A E L L WA D A T L K A A T S VE E K I N L L D V K L Q N A L A M
UniRef90_R6UXJ8 UniRef90_UPI00037D9912	SETASTFAETII LINKIVI QETSNEHEKILLLIEAKII IQSALISY
UniRef90_UPI0003B424D1	A E T A S MN E T L V VE A A L K E A S P E E G L L I L D A Y L Q G A A Q V
UniRef90_UPI0003B7282F UniRef90_U4KQK1	A E I A SII F C E I I I I Q N A A Q A G A Q G A E KIL Y V L E T Q L L G S S Q V A E T A SII F C E T V L N N H I I I S K II S K D F F K II SI I J F N S V O D A T O V
UniRef90_M5JDS7	AETASTFAELLIADANIAAAQSDAEKVVLLDAKMTNPVSM
UniRef90_UPI000469470A UniRef90_E6L9R1	A E I A S T L A E L I V V D A T V Q A A D S I E A K I N L L D Q K I T N A I D M A E T A S V E A E M I V E D Y V K N K I K N E E I I A I V A A K I E D I E A T
5 m (5 5 5 _ 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	A E T A S V F A E ML V F D Y V K N K L K N E E L I A L Y A A K I E D I F A T A E T A S L F A E T L V R D A L L A R A Q T R E Q R L T I A WM D G E Q V V S L A E I G S I Y N E L ML F D Y L Y E N S K S K K E K F Y L L Q K F I D N F I D T A E T A S I F S E T L L H D V L L T N A K T R E E K I E F A W G E M D R A T A F A E T A S I F A E T L V R S A L F E Q A Q S P E E R L A I A W A E A D G A A T F
UniRef90_Q4A659	A ELIGSI Y N ELIMLIF D YL YENSK SKKEK FYL LQK F I D N FL D T
UniRef90_Q6MHE7 UniRef90_UPI0002197CEC	A E T A SII F A E T L V R S A L F E Q A Q S P E E R II A IT A WA F A D G A A T F
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

```
520
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
                                                                                                                    \mathsf{EQEREKEYEEERDTEEN}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A A F L A L Q Y A
UniRef90_E8PMD0
UniRef90_UPI00035D1A43
UniRef90_UPI0003:
UniRef90_A1ANS8
UniRef90_B5ENB1
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_W5KVX7
UniRef90_U5LG75
UniRef90_M1ZHB8
UniRef90_E0SWW2
UniRef90_R5RBE5
UniRef90_K6DSQ6
UniRef90_UPI00036D6571
 UniRef90_R6J283
UniRef90_B7IHS0
UniRef90_R6H3B4
UniRef90_V4PM46
UniRef90_UPI00035F498D
UniRef90_D9QNP4
UniRef90_UPI0004792C48
UniRef90_M3EJS2
UniRef90_M8DIT3
UniRef90_M8DIT3
UniRef90_U2FJI8
UniRef90_UPI0002896DE5
UniRef90_B9Y3C3
UniRef90_M5IPY2
UniRef90_R6HR34
UniRef90_D4W308
UniRef90_B2V1J4
UniRef90_D0BNL1
UniRef90_UPI00047B1DB5
UniRef90_M5PBM5
UniRef90_M5PBM5
UniRef90_L5L9Q3
UniRef90_UPI00035F6E2A
UniRef90_UPI000288A771
UniRef90_R4U245
UniRef90_U6B5B4
 UniRef90_U6B5B4
UniRef90_E0RCP1
UniRef90_UPI00046F134F
UniRef90_W5V0G1
UniRef90_A7HMC6
UniRef90_C0ZCP0
UniRef90_D3UHY2
UniRef90_K4RHP6
UniRef90_F9CXW7
UniRef90_V5WEZ4
                                                                                                                                                                                                                                                                                                                                                                                                                          MTELMIN AQKETT

MILNA WKECWINKEY

MTELWINKEY

MTELWINKEY

MTELWINKEY

MTELWINKEY

MTELWINKEY

MTELWINKEY

MTELWINKEY

MTELWINKEY

MENTY

UniRef90_N9Y2T3
 UniRef90_D1R6R6
                                                                                                                                                                                                                                 UniRef90_K8F1Q9
UniRef90_UPI00047ACC92
                                                                                                                                                                                                                                                                                                                                                                                             PASPSPNAPPPVAVVPASTPAAVPAAY AVPPKAAKASAPPASPSPNAPPVAVVPASTPAAVPAAY AVPPKAAKASAP
                                                                                                                                                                                                               UniRef90_W4VC25
UniRef90_Q7VF67
UniRef90_UPl00047176E2
UniRef90_K0N779
UniRef90_K0N779
UniRef90_Q6Kl91
UniRef90_Q6Kl91
UniRef90_R1GP55
UniRef90_I9KZD2
UniRef90_UPl0004660764
UniRef90_F2JMY0
UniRef90_R6UCX0
UniRef90_R6UCX0
UniRef90_UPl0004670BD9
UniRef90_UPl0004670BD9
UniRef90_UPl00029AD494
UniRef90_H1X5R9
UniRef90_UPl000382082E
UniRef90_UPl000382082E
UniRef90_URGLI4
UniRef90_B4RA13
UniRef90_B4RA13
UniRef90_D6U4M3
 UniRef90_D6U4M3
 UniRef90_UPI0004724480
UniRef90_A6CZ13
UniRef90_UPI0004044D5B
UniRef90_B3PMZ6
UniRef90_S0KHH7
UniRef90_R6UXJ8
 UniRef90_UPI00037D9912
 UniRef90_UPI0003B424D1
UniRef90_UPI0003B7282F
UniRef90_U4KQK1
UniRef90_M5JDS7
UniRef90_UPI000469470A
 UniRef90_E6L9R1
UniRef90_W0A086
UniRef90_Q4A659
UniRef90_Q6MHE7
```

UniRef90_UPI0002197CEC

Implement Impl		530 540 550 560
June June	UniRef90_UPI000472E3D4	F <mark>C</mark> G <u>V</u> L SEYHPHFWASK <u>L</u> HFY <u>L</u> PFYNFPYT <u>V</u> GY <u>M</u> FSTGL
Junkedou Discoso	UniRef90_D6GSG9	WGEDVELTDGAELTWMRQPHYYMGLYSYTYSAGLTIGTQM
JARRIEGO DINOSA JARRIE		VONA IIDSVHPHEWASKIIHEVIIDEVNEPVTEGVMESAGII
### ### ### ### ### ### ### ### ### ##	UniRef90_A1ANS8	F GNAVEMUPAYSWGWSYNSHFUHSFYCYSYTFAELLVLAL
### ### ### ### ### ### ### ### ### ##	UniRef90_B5ENB1 UniRef90_R7KH03	CGKEVKLTKYSSYNWIJYRSHYYMNFYLLYSYAI <mark>C</mark> I ISIVIA SHL
JANSON J	UniRef90_W7AR34	YLDS LEEYHPQFWASKLHFYIPFYNFPYTFGYLFSLGI
JRR869 M12483 JRR869 M1	UniRef90_U5LG75	YANA LDEYHPSFWSSKLHFYI PFYNFPYTFGYLFSLGI
JARREDO JPO0003056571 JARREDO JPO000306571 JARREDO JPO00030671 JARREDO JPO00030671 JARREDO JPO00030674880 JARREDO JPO00030674880 JARREDO JPO00030674880 JARREDO JPO000307480 JARREDO JPO0003080 JARREDO JPO00003080 JARREDO JPO0	UniRef90_M1ZHB8 UniRef90_F0SWW2	YKES II IQQYHPYEWESKII IHEYII IPEYNEPYTEGEII IESSGII I
Jamesego LP10003606573 Jamesego Red State Jamesego LP1003606574 Jamesego LP1003606574 Jamesego LP1003674 Jamesego LP100374 Jamesego LP1003674 Jamesego LP100367	UniRef90_R5RBE5	ILIG D YIV I VID D D S R AII IWPII VIS H F F H P F YIVIY A Y S F A D <mark>C</mark> IL VIN SILI
June	UniRef90_UPI00036D6571	YC GVLGDYHPHFWASKLHFYNPFYNFPYTFGYLFSTGI
JARRESO DEPONDED JARRESO DEPO	UniRef90_R6J283	LGRYVNVDENSAYLWMQVGHFFFPFYVVAAYSFADCLVNSL FADSVKUPFFYTYEWSSUPHUFHPFYVVAAYNYANCUVLGU
Junkerson Deponser4 and September 1	UniRef90_R6H3B4	Y G D G L D E H V L H P Y M W V C K S H Y Y G G F Y N F P Y A F G G L F A R G L
Jinkergo D90NP4 Jinkergo D1900479C248 G G G G G G G G G G G G G G G G G G G	UniRef90_V4PM46 UniRef90_UPI00035F498D	FCDT II ASYHPHEWASKII IHEYKPEYNEPYTEGYII IESTGII I
Jinkeley MSEUS2 G F A G G L A S T H P H F W AS K L H F Y L N P F Y N F P Y A F G L L F A K G L L Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 F G K S W A L IN N D Y Y K L WWS Y L P H F H T P F Y W Y Y N F Y Y A F G L L F A K G L L Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 Jinkeley MSEUS2 JINKel	UniRef90_D9QNP4	L G P A V T L N P G Y E T WWS Y V S H F H S P F Y V Y A Y A F G D L L V A A L
JAMESSIS BSYSTON PROTECTION OF THE PROTECTION OF	UniRef90_M3EJS2	G F A G G I A S T H P H F W A S K I H F Y I I P F Y N F P Y T F G Y I F S I S I V I
JAMESSIS BSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	UniRef90_M8DH3 UniRef90_U2FJI8	Y G D G L D H E V L H P Y M W V C K P H Y Y Y N F Y N F P Y A F G L L F A K G L Y G D G V N H D Y L H P Y A W L N K P H Y Y S N F Y N F P Y A F G L L F A K G L
Jinkelego Rehle34 OG P Y V E M G D E N A OLL WS QIV G H F F F P Y V Y P Y S F A D. L. YIN S L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D N F P Y S F A D. L. YIN S L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D N F P Y A F G L L F A K G L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D N F P Y A F G L L F A K G L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D N F P Y N F P Y A F G L L F A K G L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D S F Y N F P Y A F G L L F A K G L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D S F Y N F P Y A F G L L F A K G L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D S F Y N F P Y T F G Y L F S L G L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D F Y N F P Y T F G Y L F S L G L JINKelego B2V134 V G D G L D P N Y L H P Y M W M W M Y M Y M Y M Y M Y M Y M Y M	UniRef90_UPI0002896DE5	Y G E G L D L N Y L H P Y M W V C K P H Y Y F N F Y N Y P Y A F G L L F S K G L Y G T G L D H N O L H P Y M W L C K S H Y Y D N F Y N F P Y A F G C L F A K G L
Jinkelego Rehle34 OG P Y V E M G D E N A OLL WS QIV G H F F F P Y V Y P Y S F A D. L. YIN S L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D N F P Y S F A D. L. YIN S L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D N F P Y A F G L L F A K G L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D N F P Y A F G L L F A K G L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D N F P Y N F P Y A F G L L F A K G L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D S F Y N F P Y A F G L L F A K G L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D S F Y N F P Y A F G L L F A K G L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D S F Y N F P Y T F G Y L F S L G L Jinkelego B2V134 V G D G L D P N Y L H P Y M W M W K P H Y Y D F Y N F P Y T F G Y L F S L G L JINKelego B2V134 V G D G L D P N Y L H P Y M W M W M Y M Y M Y M Y M Y M Y M Y M	UniRef90_M5IPY2	F G K S V A L N D Y Y K WWS Y I P H F H T P F Y C Y A Y S Y A Q L L V L A I
Junkergo Dobbilt	UniRef90_R6HR34 UniRef90_D4W308	OGPYIVIEMGDENAQILIWSQIVIGHEEEPEYIVIYCYSEADCILVINSILI
Junkergo Unioudriskyss Junkergo Lsisodos Fesses Junkergo Lsisodos Fe	UniRef90_B2V1J4	Y G D G L D P N Y L H P Y M W T W K P H Y Y Y N F Y N F P Y A F G L L F A K G L Y G D G L D O S Y L H P Y M W A C K P H Y Y Y S S F Y N F D Y A F G C L F A K G L
Junkergo Unioudriskyss Junkergo Lsisodos Fesses Junkergo Lsisodos Fe	UniRef90_UPI00047B1DB5	Y C E A LS E Y H P H F WA A K L H F H L P F Y N F P Y T F G Y L F S L G V
JAIRGERO UPIDOU288A771 JAIRGERO LE TE H P H F WAS KIL H F YIN F Y N F B Y T F G Y L F S L S I JAIRGERO UPIDOU28A771 JAIRGERO LE DE K G K P Y G WT R I L H F F IN P F Y N F P Y T F G Y L F S L S I JAIRGERO UPIDOU46F134F JAIRGERO LE DE K G K D P K G L D D G F E N S W M M L P H F IIN P F Y N F P Y T F G Y M F S A G I L V S S L JAIRGERO UPIDOU46F134F JAIRGERO LE DE K G K D D G F E N S W M M L P H F IIN P F Y N F P Y T F G Y M F S A G I L V L A L JAIRGERO ACTION OF THE S A G I L V L A L JAIRGERO ACTION OF THE S A G I L V L A L JAIRGERO ACTION OF THE S A G I L V L A L JAIRGERO ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L		FCGA IIIGEYHPYEWASKIIHEYII IPEYNEPYTEGYII IESII IGII I
JAIRGERO UPIDOU288A771 JAIRGERO LE TE H P H F WAS KIL H F YIN F Y N F B Y T F G Y L F S L S I JAIRGERO UPIDOU28A771 JAIRGERO LE DE K G K P Y G WT R I L H F F IN P F Y N F P Y T F G Y L F S L S I JAIRGERO UPIDOU46F134F JAIRGERO LE DE K G K D P K G L D D G F E N S W M M L P H F IIN P F Y N F P Y T F G Y M F S A G I L V S S L JAIRGERO UPIDOU46F134F JAIRGERO LE DE K G K D D G F E N S W M M L P H F IIN P F Y N F P Y T F G Y M F S A G I L V L A L JAIRGERO ACTION OF THE S A G I L V L A L JAIRGERO ACTION OF THE S A G I L V L A L JAIRGERO ACTION OF THE S A G I L V L A L JAIRGERO ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L V L A L JAIRGERO WAS ACTION OF THE S A G I L	UniRef90_L5L9Q3	VFDKLENENQTGYGWPRISHFFHPFYVYKYADDVTASYKL
Jinker90 UPB000467144F Jinker90 UPB000467144F Jinker90 UPB000467144F Jinker90 UPB000467144F Jinker90 UPB000467144F Jinker90 UPB000467144F Jinker90 UPB00047144F Jinker90 UPB000471467 Jinker90 UPB000471467 Jinker90 UPB00047167 Jinke	UniRef90_UPI00035F6E2A	YGGAII IFTT HPHFWASKII IHFYII IPFYNFPYTFGYII IFSII ISII I
Jinkergo DencPri Jinkergo Wording Jinkergo Wording Jinkergo Wording Jinkergo Wording Jinkergo Wording Jinkergo Wording Jinkergo Wording Jinkergo Wording Jinkergo CozcPo Jinkergo CozcPo Jinkergo CozcPo Jinkergo CozcPo Jinkergo Wording Jinkergo W	UniRef90_R4U245 UniRef90_U6B5B4	HVFDKLDEKGKPYGWTRI LHFFNPYYVYKYAT <mark>C</mark> I VASFKL
JAIRE950 CAPHMC6	UniRef90_E0RCP1	F SGIVI D F A H P H F W A S K II I H F Y II I P F Y N F P Y T F G Y M F S A G II I
JAIRE950 CAPHMC6	UniRef90_W5V0G1	RTSAIRDQKLSNIFSVI VPHFYYGYYVYKYAIDVVASYKL
JAIRE919_CXWP7 JAIRE919_CXWP7	UniRef90_A7HMC6	Y G E G L D E N Y M H P Y M W L V K P H Y Y S P F Y N F P Y T F G M L F G L G V Y G D G L D P F A L H P Y M W V C K P H Y Y Y N F Y N F P Y A F G L L F A K G L
JAIRE919_PROCWNY JAIRE919_PRO	UniRef90_D3UHY2	F G K S L K L T K N Y A M W W S Y I P H F H S P F Y C Y A Y S Y G Q L L V L A L
JniRef90_V5WEZ4 JniRef90_N5WEZ4 JniRef90_D1R6R6 JniRef90_D1R6R6 JniRef90_D1R6R6 JniRef90_D1R6R6 JniRef90_D1R6R6 JniRef90_D1R6R6 JniRef90_D1R6R6 JniRef90_D1R6R6 JniRef90_D1R6R6 JniRef90_D1R6R6 JniRef90_D1R0R67 J	UniRef90_K4RHP6 UniRef90_F9CXW7	FGNSVVISDDFAILEWSCIPHFYHPFYCYSYSYGQLLVLAL
Jinkefgo L887-09 Jinkefgo L887-09 Jinkefgo L887-09 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L9100047ACC92 Jinkefgo L91000460764 Jinkefgo L9100460764 Jinkefgo L91	UniRef90_V5WEZ4	Y G D A V D D S <u>L R H P Y M W A V </u> K G <mark>H</mark> Y Y S A F Y N Y P Y A F G <u>Q</u> <u>L F A L G L </u>
JniRef90_UP100047ACC92 JniRef90_WVC25 JniRef90_QVVF67 JniRef90_QVVF67 JniRef90_CVVF67 JniRef90_EV0779 JniRef90	UniRef90_D1R6R6	
JniRef90 _W4VC25	UniRef90_K8F1Q9 UniRef90_UPI00047ACC92	WK D DIVIEII IN D Y A GIL IT WM R Q P H Y F M GIL IY P Y T Y S A GIL IT II IS T IL IA
JniRef90_UP100047176E2 JniRef90_K0N779 AGGLS S E P P MY WA D KL H F Y Y D F Y WY K Y ALL G Q L S A N Y F JniRef90_A0K019 JniRef90_A0K019 Y S D K T V K Y K E D H E L A W P H F Y Y D F Y W Y Y A L G Y I V A N W F JniRef90_A3US22 JniRef90_R1GP55 Y G D A M S Q P N D F WA S K L H F S I S F Y N Y P Y L F G Y L F S T G V JniRef90_IP10004660764 F G H D S T Y S P H L WA S K L H F Y I P F Y N F P Y T F G Y L F S T G V JniRef90_F12MY0 JniRef90_E10004660764 F G H D S T Y S P H L WA S K L H F Y I P F Y N F P Y T F G Y L F S T G V JniRef90_E10004660764 F G H D S T Y S P H L WA S K L H F Y I P F Y N F P Y T F G Y L F S T G V JniRef90_E100046708D9 JniRef90_UP100046708D9 JniRef90_UP100046708D9 JniRef90_UP100046708D9 JniRef90_UP100046708D9 JniRef90_UP100046708D9 JniRef90_UP100046708D9 JniRef90_UP10004724480 JniRef90_UP10004724480 JniRef90_UP10004724480 JniRef90_UP10004724480 JniRef90_UP10004724480 JniRef90_UP10004724480 JniRef90_UP10004724480 JniRef90_UP10004724480 JniRef90_UP100037D9912 JniRef90_UP100037D9912 F N D S L A S Y H N F P Y M F P Y T F G Y L F S C G L JniRef90_UP100037D9912 JniRef90_UP100037D9912 JniRef90_UP100037D9912 F N D S L A S Y H N F P Y M W W W W W W W Y N F P Y N F P Y T F G Y L F S C G L JniRef90_UP100038424D1 JniRef90_UP100038424D1 JniRef90_UP100038424D1 JniRef90_UP100037D9912 F N D S L A S Y H N F P Y M W W W W W P F F Y N F P Y T F G Y L F S C G L JniRef90_UP1000469470A F R G D S M S G T D F Y F W S S K L H F F I P F Y N F P Y T F G Y L F S C G L JniRef90_UP1000469470A F R G D S M S G T D F Y F W S S K P P F Y N F P Y T F G Y L F S C G L JniRef90_UP1000469470A F R G D S M S G T D F Y F W S S K L H F F I P F Y N F P Y T F G Y L F S C G L JniRef90_UP1000469470A F R G D S M S K S P D E K L N N A S W W Y Y N S F Y N F P Y T F G Y L F S C G L JniRef90_UP1000469470A F R G D S M S K S P D E K L N N A S W W Y Y N S F Y N F P Y T F G Y L F S C G L JniRef90_UP1000469470A F R G D S M S K S P D E K L N N A S W W Y Y N S F Y N F P Y T F G Y L F S C G L JniRef90_UP1000469470A F R G D S M S K S P D E K L N N L P F Y N	UniRef90_W4VC25	F E A E V N V D K E I A M E W A R I P H F Y T S F Y V Y K Y A T G F S S A T A I
JniRef90_Q6Kl91 JniRef90_R1GP55 JniRef90_R1GP5 JniR	UniRef90_UPI00047176E2	II NKNKKYSOENTEASII VV <mark>PH</mark> EYYDEVVVKYAII GOII ISANYE
JAINER90_A3US22 JAINER90_LPICO04660764 JAINER90_LPICO04660764 JAINER90_LPICO04660764 JAINER90_LPICO04660764 JAINER90_LPICO04660764 JAINER90_LPICO04660764 JAINER90_LPICO046760764 JAINER90_LPICO046760764 JAINER90_LPICO046760764 JAINER90_LPICO046760764 JAINER90_LPICO04676076 JAINER90_LPICO046708D9 JAINER90_LPICO046708 JAINER90_LPICO046708 JAINER90_LPICO046708 JAINER90_LPICO046708 JAINER90_LPICO046708 JAINER90_LPICO046708 JAINER90_LPICO04669708 JAINER90_LPICO	UniRef90_K0N779 UniRef90_Q6KI91	Y S IL ID K T IV IK Y K E D H E IL I IA IV IP H F Y Y D F Y IV IY K Y A II IG Y II V IA N IV IF
JniRef90	UniRef90_A3US22	Y G D A M T E A D P Y F WA S K L H F S I S F Y N Y P Y L F G Y L F S K G V
JAIRE190_LP10004670BD9	UniRef90_I9KZD2	YGNA ILISTYHPMFWASKILIHFYILIPFYNFPYTFGYILFSILIGIL
JAIRE190_LP10004670BD9	UniRef90_UPI0004660764 UniRef90_F2JMY0	Y G D GL D Q E Y L H P Y M W T W K S H Y Y Y N F Y N F P Y A F G L L F A K G L
Juiref90	UniRef90_R6UCX0	Y G D G L D P D Y L H P Y M W C K S H Y Y S S F Y N F P Y A F G A L F A R G L Y G H G L D O N T L H P Y M W T W K P H Y Y Y A F Y N F P Y A F G L L L A K G L
Juiref90	UniRef90_UPI0004670BD9	Y G D G L D H N Y L H P Y M W T W K P H Y Y C S F Y N F P Y A F G L L L A K G L
JAIRE190	UniRef90_A0A016QM18 UniRef90_H1X5R9	F DGLLDHRHPHFWSSKLHFFIPFYNFPYTFGYLFSQGI
JniRef90_UP1000382082E JniRef90_LD1000382082E JniRef90_B4RA13 JniRef90_B4RA13 JniRef90_D6U4M3 JniRef90_UP10004724480 JniRef90_UP10004724480 JniRef90_B3PMZ6 JniRef90_UP100040404D5B JniRef90_B3PMZ6 JniRef90_S0KHH7 JniRef90_B3PMZ6 JniRef90_UP100037D9912 JniRef90_UP100037D9912 JniRef90_UP10003B7282F JniRef90_UP10003B7282F JniRef90_UP10003B7282F JniRef90_UP10003B7282F JniRef90_UP10003B7282F JniRef90_UP10003B7282F JniRef90_UP1000469470A JniRef90_UP10004669470A JNI	UniRef90_UPI00029AD494	YLIGL LISDDGWNPRFWVSKLHFYLPFYNFPYTFGYLLISLGV YGDGLDPTCLHPYMWVCKSHVYSSVYNWPYAFGGLEAPG
JniRef90_B4RA13	UniRef90_UPI000382082E	YENS LISTYHPMFWAAKILIHFYII IPFYNFPYAFGYFFSQGII
JniRef90_UP10004724480 JniRef90_UP10004724480 JniRef90_UP10004724480 JniRef90_UP100040404D5B JniRef90_B3PMZ6 JniRef90_S0KHH7 JniRef90_UP100037D9912 JniRef90_UP100037D9912 JniRef90_UP100037D9912 JniRef90_UP10003B424D1 JniRef90_UP10003B424D1 JniRef90_UP100037D9912 JniRef90_UP100037D9912 JniRef90_UP100037D9912 JniRef90_UP100037D9912 JniRef90_UP100037D9912 JniRef90_UP100037D9912 JniRef90_UP10003B424D1 JniRef90_UP10003B424D1 JniRef90_UP10003B424D1 JniRef90_UP10003B424D1 JniRef90_UP10003B424D1 JniRef90_UP10003B7282F JniRef90_UP1000469470A JNIREf90_UP1000469470A JNIREf90_UP1	UniRef90_R7GLI4 UniRef90_B4RA13	L G P A V R L N A G Y E H Y W G Y V S H F V H P F Y V Y A Y P F G D L L V R G L
JniRef90_A6CZ13	UniRef90_D6U4M3	YGAGILDEAMIL <mark>H</mark> PYMWAIVKGHYYNSYYNYPYMEGILLEGILGIL
JniRef90_B3PMZ6	UniRef90_A6CZ13	Y G D S M S G T D P Y F W A S KIL I <mark>H</mark> F S II IS F Y N Y P Y IL IF G Y IL IF S Q G IV I
JniRef90_S0KHH7 Y N D	UniRef90_UPI0004044D5B UniRef90_B3PMZ6	FPKRII KKG L PAN V YS V M V PHFYYNFY V YKYA L GY L V AN V F
JniRef90_UP10003B7282F	UniRef90_S0KHH7	YND CIINSYHPHEWAAKIIHEEIIPEYNEPYTEGYIIESIIGII
JniRef90_UP10003B7282F	UniRef90_UPI00037D9912	FNDSLASY HNFS WVWS RHFYFT DPFYNFPYTFGFLFSQGI
JniRef90_M5JDS7	UniRef90_UPI0003B424D1 UniRef90_UPI0003B7282F	YGDTILL ATILIH PYMWAIVIK PHYYMQFYNYPYT FGILLIFGILIGIVL
JniRef90_UP1000469470A	UniRef90_U4KQK1	Y G K G L D E N N L H P Y M W L N K G H Y Y S N F Y N F P Y A F G L L F S K G L
JniRef90_E6L9R1	UniRef90_UPI000469470A	YANA II ITDYDPII IE WADKOHEFFPFYNFPYTFGYII IE SII IGII I
JniRef90_Q4A659	UniRef90_E6L9R1 UniRef90_W0A086	F G K S V K L T K N Y A S W W S Y L P H F H S P F Y C Y A Y S Y A Q L L V L A L Y G D S L S Q Y D E L F W A S K S H F S F G F Y N Y P Y L F G Y L F S L G L
JIIIKEIBU_QOMITE/ YG SIJL SENDKMYWAIKILJHFSMSFYNYPYI FGYIL FS I S V JNIREF90 UP10002197CEC YEKS L SRYHPMFWAAKAHFGFGFYNYPYI FGYI FS I G V	UniRef90_Q4A659	SMSKSKPDEKILINII ISSIVITII IPHFYYYFYIVIYKYAII IGQIL VIGII INF
	UniRef90_Q6MHE7 UniRef90_UPI0002197CEC	Y G STL SENDKMY WATKL HFSMSFYNYPYTFGYLFSI ISV Y E K S L SRYHPMFWAAKAHFGFGFYNYPYLFGYLFSL IGV

```
UniRef90_UPI000472E3D4
UniRef90_J2PI52
UniRef90_D6GSG9
UniRef90_UPI00035D1A43
UniRef90_A1ANS8
UniRef90_A1ANS8
UniRef90_R7KH03
UniRef90_R7KH03
UniRef90_W7AR34
UniRef90_W7AR34
UniRef90_W7AR34
UniRef90_USLG75
UniRef90_USLG75
UniRef90_M1ZHB8
UniRef90_M1ZHB8
UniRef90_M1ZHB8
UniRef90_M1ZHB8
UniRef90_R5RBE5
UniRef90_R5RBE5
UniRef90_R5RBE5
UniRef90_R6J283
UniRef90_R6J283
UniRef90_W1PI00036D6571
UniRef90_W1PI00036D6571
UniRef90_W1PI00035F498D
UniRef90_UPI00035F498D
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C48
UniRef90_UPI0004792C4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            QATSQADKKKKKT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DQDKQSSSQDDKDTSKDKDKDDQKDKSDDSTS

        UniRef90_V5WE24
        Y S Q F R E N P G

        UniRef90_N9Y2T3
        Y A E Y L K R G S

        UniRef90_D1R6R6
        UniRef90_W4VC25

        UniRef90_W4VC25
        F N K I K N N E S

        UniRef90_W4VC25
        S N M L K E G G

        UniRef90_W4VC25
        F N K I K N N E S

        UniRef90_W4VC25
        S N M L K E G G

        UniRef90_W4VC25
        F N K I K N N E S

        UniRef90_W4VC25
        F N K I K N N E S

        UniRef90_W4VC25
        F N K I K N N E S

        UniRef90_W4VC25
        F N K I K N N E S

        UniRef90_W4VC25
        F N K I K N N E S

        UniRef90_W600477667
        F Q K T P R M R N

        UniRef90_A60819
        F Q R Y K K H G S

        UniRef90_B1CB55
        Y A R R S E K G S

        UniRef90_IPKZD2
        Y A K A Q Q S S

        UniRef90_F2JMY0
        Y A K Y Q K E G S

        UniRef90_PE2JMY0
        Y A K Y Q K E G S

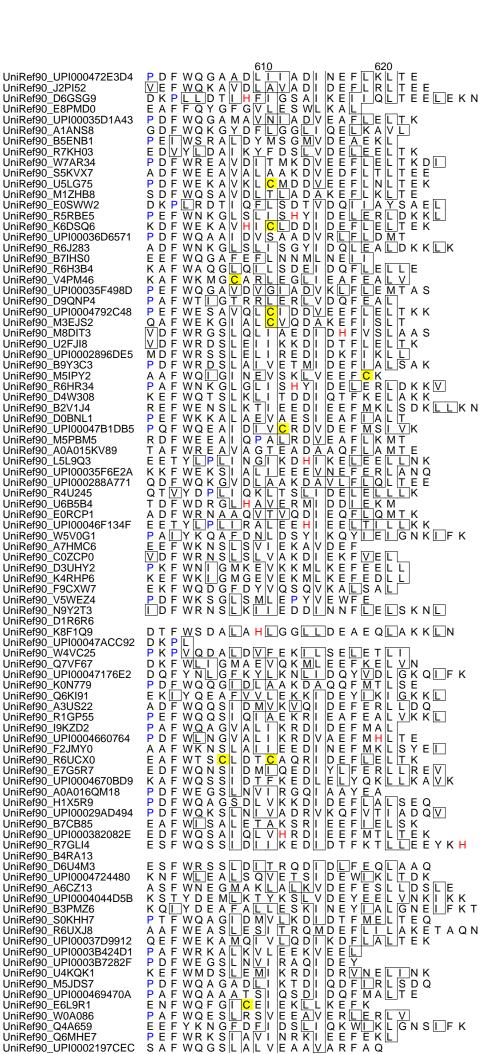
        UniRef90_UP10004670BD9
        Y A K Y Q K E G S

        UniRef90_UP100029AD494
        Y A Y A R Y Q K E S

        UniRef90_UP1000382082E
        Y A R Y Q K K E S

        UniRef90_B4RA13
        M E K R R E D P G

        UniRef90_UP10004724480
        Y A K Y Q E G S
```



```
1
                                                                                                                                                                           10
                                                                                                                                                                                                                                                             20
                                                                                                                                                                                                                                                                                                                                              30
                                                                                                                                                                                                                                                                                                                                                                                                                                 40
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_F7QLG6
                                                                                                                                                                                                                                                                                                                                                                                      LEMKKE
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
                                                                                                                                                                                                                                                                     STEEENKPLV RLDPATLPR
FTT
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
                                                                                                                                                                                                                                                                                                                                                                                                                         QN
                                                                                                                                                                                                                                                                                                                                                                                                        YALT
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
                                                                                                                                                                                                                                                                                                              TSEVLDSSKVPTE
                                                                                                                                                                                                                                                            N R S HIEEKYQ
MMKETIDTEVMKFEEFEYKR
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UP100037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_S6FM32
UniRef90_UP100034C6664
UniRef90_UP100034C6664
                                                                                                                                                                                                                                                                                                                                                                                        MNYKYD
                                                                                                                                                                                                                                                                                                                                                                                        MKNSYK
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_Y2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_UPI0003812FFB
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_UPI000378CE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
                                                                                                                                                                                                                                                                                                                                                                                                        TQSR
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_R9HSA2
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R5Z353
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_D4JYA8
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_UPI00031B664E
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_UPI00031B664E
UniRef90_UPI000465AIDD
UniRef90_B6FWB1
UniRef90_UPI000465A1DD
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_T0U4G6
                                                                                                                                                                                                                                                                                                                                                                                      ILQAPE
                                                                                                                                                                                                                                                                                                                                                                                                                         P R
                                                                                                                                                                                                                                                                                                                                                       NRNSASEKYK
                                                                                                                                                                                                                                                                                                                               KMVKFSELEYKR
                                                                                                                                                                                                                                                            MTEAREENTL
                                                                                                                                                                                                                                                                                                                                                                                                        QAPE
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
                                                                                                                                                                                                                                                                                                                                                                                       INNSLK
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
```

UniRef90_A6CJX9 UniRef90_UPI00047A1631 UniRef90_UPI00036C1EF5

	50 60 70 80	
UniRef90_G2IEZ4 UniRef90_V5RVC7	50 60 70 80 WNLDNI YESSEKFKSDLLL LKDSIKSFNRFKGLTLKYTKE WDFGLLYRNHDALSLELEEIKR <mark>C</mark> NLDFSAKWKAKTEDPGT	
UniRef90_C9MWP1 UniRef90_R7QLG6	LA DL VPLA RELT D D QIT Q H DI R A K	
UniRef90_F8CYC3 UniRef90_K6C5M3	NA E E KLE E VT A K F LA E LE R F K N S A E E	
UniRef90_J9HAI3 UniRef90_F0VLU4	AFTADE	
UniRef90_K7R104 UniRef90_UPI00040E1D72	YNLTSIF DPRIDEDIEKLSRQAEAFNKRFKGTLDSA WDLTPLFPGSPEFQRAWEGLRGRIGALRDLLEKEAPLPEI EFKEIEKKFEEALILFTN ATSVDE	
UniRef90_UPI0002490392 UniRef90_S9U7T7	A E S F E Q	
UniRef90_UPI0003651F59 UniRef90_F7YTP4	P D L D V L K K D F D Q L L E Q F N Q A S S F E E A N S F E Q	
UniRef90_UPI00047C1E0D UniRef90_E7RD91	FKDYQYVRPDMKQMEKDFDVLLK KFYDADSVVI	
UniRef90_S5YX68 UniRef90_E3ZZJ2	PDMDQLQASFQEALDAFRR AGSAAGWDLENIYAGGSGSEELQQTLKEVKADLDSFVANVAEASAEFQDFPYARPDLEKYQGEFRTLLE QFKEADHFQE	
UniRef90_L0F8X3 UniRef90_Q467R7	FQDFPYARPDIEKYQGEFRTILLE QFKEADHFQE WNDAYLFSSREEASKELERLKNGTQEINETFRPKFESGPV	
UniRef90_J2FVB9 UniRef90_S8XPS8	D M D K V E G Q F T Q L L E A F Q H A A N F S E WD L T T V F A T D E L WE T E V V E L T Q A L D N A K G F S G H L L D S S Q S	
UniRef90_F4KXJ5 UniRef90_D3R2N1	WNDAYLFSSREEASKELERLKNGTQEINETFRPKFESGPV DMDKVEGQFTQLLEAFQHAAN FSE WDLTTVFATDELWETEVVELTQAIDNAKGFSGHLLDSSQS PDMVQLSSDFERLFAAFSQ FKDMPYVRPDLEQUEAEFTD RLHGFATASVDD	
UniRef90_C7PG49 UniRef90_U2SQB3	WEALLOPYEEELLOORPILESIVIAA	
UniRef90_Q0TMX7 UniRef90_UPI00037AEDD9	DIDAÜKKQFEELIDSFKK ADNAEK EDFKYERPNIEKDREDIRSFIKELEEAKDG FADYTYTRPDYEALKKEMTALTE ELSAATSAEE	
UniRef90_Q8EWC2 UniRef90_E7NRE4	WDLISSILIEN KNLIDEVIFNNWVNLINNELLIKMYDNGTSNLINK	
UniRef90_P47429 UniRef90_S6FM32	WDLSVLL NNQSLQANFLKIQTVSEALIKAYNN <mark>C</mark> FTNKTS EMEILAGDFKE	
UniRef90_R6V655 UniRef90_UPI00034C6664	F.A.	
UniRef90_Q7NDT6 UniRef90_D2QDU1	F K D I E V E T P T I E Q V T A E Y Q N I N T N L D Q A T T L A Ā K D F S D L Q T E V P T Y E Q V A S E Y D E I H R G L S Q S D E L T S W D D V K P L Y E E L L D R A I D N A D E	
UniRef90_A0A023BD98 UniRef90_V2XLT8	WDMNNILIY K DILIE D S K Q D F EIV L IN K R A G E F R N K Y Y G K IL ID EIV	
UniRef90_F7KL49 UniRef90_A0A023D4E6	F S E M P Y K R A D L E E A K A E F A K L M T D F D N A K S G E E D F N K V E E E F T Q L M K E F K E A R N G E E D A G D	
UniRef90_R7FW93 UniRef90_UPI00034B8010	FKDLPYVRPDFAKVKTELAALTE KMKNAASYDD WDKLAPFYKELEERELNSVED	
UniRef90_R5B3T1 UniRef90_UPI0003812FFB	F E DIVIK E Q QIL IKIL I IA E IL IG Y A K S F E Q	
UniRef90_B9KA06 UniRef90_UPI0003B46AC2	R WE EVE PVVR ELLD F QLS S P E E	
UniRef90_UPI00037BCE77 UniRef90_R9H4Z1	FADYRYTRPDYESIKAKMADLTNRLAH AASAEE KWEKLEPLFNELLTRPINSVQE FQELRDRSLHSANE	
UniRef90_W8EYR1 UniRef90_H8KP43	F Q E L R D R S L H S A N E	
UniRef90_UPI000479EE71 UniRef90_A9HSA2	FESTESYYKQLLTANFDTKAD WQLEKLY STEDVKQTFKALQQEFEQFGTGQTPIS DAGQ	
UniRef90_V4YK18 UniRef90_A9NEG5	K E	
UniRef90_Q9RYV0 UniRef90_R5Z353	T A G D A E	
UniRef90_R2NWN8 UniRef90_R5QAD6	IFSDFTYERPDLNQYETTFNAANKHFSE ANSYSD	
UniRef90_D4JYA8 UniRef90_C2CHD4	DI DALLAR <mark>C</mark> KELTA KAAAADSGEA	
UniRef90_UPI0003028E7F UniRef90_UPI00035DB0A6	DI DAL LARCKEL TA KAAAADSEA PDFDGLIKELSGHLDELET ARSEED DWDTLEPLLNELLNRKINSVIE WTFDDVYGDDEKFTSSLQNLDALVGEIYGANLPLNLTAQK EFQYEHINIEEKEQNIKSLLKDF ESANT	
UniRef90_UPI00033BB664E UniRef90_UPI00031B664E UniRef90_V5RJR8		
UniRef90_A3ZSP5 UniRef90_I0K3P5	PTLDAVTAEYATLEQ ELDIALASPNPSDDA ELTDWAHVQPFYDDLLQRPINSADD	
UniRef90_B6FWB1 UniRef90_J8Q5R4	N DF E E OF SNTQQLSDQFEQLLKLPLHSTEE	
UniRef90_UPI000464689E UniRef90_UPI000465A1DD	FVDMEYQRPDFEAEKAARRQYVEQLEQ AKSKEE	
UniRef90_R8KLT9 UniRef90_C2W8V4		
UniRef90_F0RKG6 UniRef90_T0U4G6	A A D F S D Y T Y V R P D F D S Y K H N Y L E A L H N L E E A A N L L E S	
UniRef90_R5FVD7 UniRef90_A7GPS5	I I F F M R A A F A A F F K F IV IS F A A D D	
UniRef90_UPI000401471A UniRef90_E8R3Q4	DISNIKKLEQELSTLLDTPISSEKN PDMEALKKALEDATAKIRDARSYQ ELTTWAEIEPWYRELVERPLSSARD	
UniRef90_R7ICM2 UniRef90_R6LK78	WQMQDAYGDSERWRVSAARVAELTVV ALEGAARPKKEE	
UniRef90_R7K4Z5 UniRef90_B3ESD4	A E S V E E I T D W D S I K G F Y K L L L N R E I D S L E D	
UniRef90_B3E3D4 UniRef90_R6LRQ4 UniRef90_V9RAB7		
UniRef90_V9RAB7 UniRef90_I2F6X2 UniRef90_K2F1J6	WDLSQLESKDWWMSEMERLQTLI LEKYSVNLFKDLEGA WDLSQLESKDWWMSEMERLQTLI LEKYSVNLFKDLEG DLSLWENLESELKRLEEYEI VDRDS I ENWENLEKELKVLLDFEVTSTES DLKDVEGIEAQFQRLLDVSIESIHD INNLETLLQKQFDLLETEI QCSEE	
UniRef90_K2F1J6 UniRef90_F2F519 UniRef90_UPI0003704B5B	DLKDVEGILEAGERELLDVESILES	
UniRef90_A6CJX9	FEEFRENFKDLIAEFSRSKEFAVQNS	
UniRef90_UPI00047A1631 UniRef90_UPI00036C1EF5	TPRD	
UniRef90_L0A2K1	TPEH	

	90 100 110 120
UniRef90_G2IEZ4 UniRef90_V5RVC7	LENVFLEYENI YSLFMRLSSFIFLNMACDSNDKDAMDND <mark>C</mark> LEQALDEYESLAATIGKPGYYYWLKYQLDQQNTEIKAELS
UniRef90_C9MWP1 UniRef90_R7QLG6	LLAMFRSYWNAVVLLRNVSTYASCVASVDGTNAEAKKLAG
UniRef90_F8CYC3	Q N E V M K E I N R L R N D <u>F</u> S T M E N I <mark>C</mark> Y I R H T I D T N N E F Y E <u>Q</u> E Q E
UniRef90_K6C5M3 UniRef90_J9HAI3	Q L E Q I A A I N N L R N H F M S M A E L A S I R N S I D T R D E F Y K A E K E
UniRef90_F0VLU4 UniRef90_K7R104	LSEALEAYEEVDEAVD MVD YYVAL VSAVNTT DEALR QRVN LAALDGLHEEALPL QAYLYARFTADTADEAAAAKLS
UniRef90_UPI00040E1D72	QSKAMKSINEIRNHFGTMMNLVYVRNSIDTNDQFYKAERD
UniRef90_UPI0002490392 UniRef90_S9U7T7	Q N R L M S D L N K L H S E F D T Q A L L A S L R Y S L D M N D E F Y K V E Q E
UniRef90_UPI0003651F59 UniRef90_F7YTP4	Q D Q A M A Q I N K M F N S F S T Q A Q L V S V R H S I N T N D E F Y K T E Q E A R D I L N Q I N Q L R N D F S T A S A I A T I R Y C M N T L D D F Y K K E K E
UniRef90_UPI00047C1E0D UniRef90_E7RD91	QDQVMKEINDLRNEFETMSSLVHVRHTIDTTDEYYEKEQE LLSIVQQFQLILSEWEEVDEFLLCAYSENVNNSSAISLIE
UniRef90_S5YX68	Q
UniRef90_E3ZZJ2 UniRef90_L0F8X3	FLLVNQNADISKILĪTAGSFLE <mark>C</mark> LASĀDINDTRANEISA QDGILVKLNSLRGEFDSMMQIASIRQSIDTNDTYYEREQE
UniRef90_Q467R7 UniRef90_J2FVB9	V
UniRef90_S8XPS8 UniRef90_F4KXJ5	QDTIMAQLNKLRQEVESARNVAQIRHTINTEDPFYKAEQD LLEITEVELDLSRRLEKVYVVASMKNDQDTTVAKYQEFQA QQEIFHEINEIRVLFASMYNI <mark>C</mark> HIRHTIDTRDAFYEAE <u>N</u> D
UniRef90_D3R2N1	Q L E
UniRef90_C7PG49 UniRef90_U2SQB3	QYEII IMDKIVI INIL IRNYII IDTMTTIL VISII IRHSII INTADDFYDKEND
UniRef90_Q0TMX7 UniRef90_UPI00037AEDD9	A <u>K</u> E V I G K I N K I R N <u>N T</u> S T M M A L S E V R <mark>H</mark> T I N T E D E F Y N E E S D
UniRef90_Q8EWC2	ILIKKYILIF FKILID MIVIPII IEN KILIYN YIVISN KILIN EDILIAN KEMII IN WN Q
UniRef90_E7NRE4 UniRef90_P47429	T MQT LAEVR HT INTEDS FYDAEND FEQFLAIDDK FT ELENRYTNYLLYNK QNENNLDK EVNDALF
UniRef90_S6FM32 UniRef90_R6V655	I E I K L E N E K L R S N Y D T M F N L S Y I R H T I N T K D E F Y D K E Q E Q F E V H K K Y Y K L T D K V S T Q L T L A S I R H T L D T T D E F Y E K E Q A
UniRef90_UPI00034C6664 UniRef90_Q7NDT6	Q EALQQWENL RRRLDSWTALTSLHFSQDTANEAFKQAQE WQSAFGRWDALRRRLASWSALAYLRFSQDTANPESKQARD
UniRef90_D2QDU1	LKQWLIDRSELESYLSENFAWRYLRMTCDTANE ELVN
UniRef90_A0A023BD98 UniRef90_V2XLT8	ILKQWLIDRSELESYLSENFAWRYIRMTCDTANE ELVN LDEALKEYSDINEAFSSIDQFVKAFQRTREDDAKVKKTNS QFEVHKRYYKTVNRIFTQMTLAEIRHSIDVTDEFYSREND
UniRef90_F7KL49 UniRef90_A0A023D4E6	Q F A V H R K Y Y E L R D R V D T L M T I A H I R H D V N T A D E F Y S A E Q D L A G A V A A F D L T R R R F D S W A S L V H L Q F S R D T A D E A A K A E R D
UniRef90_R7FW93 UniRef90_UPI00034B8010	QFEVHKRYYKTVNRIFTQMTLAEIRHSIDVTDEFYSREND QFAVHRKYYELRDRVDTLMTIAHIRHDVNTADEFYSAEQD LAGAVAAFDLTRRRFDSWASLVHLQFSRDTADEAAKAERD AKVAYFNFEATMSDLRDAYTIVSIRHTVDTRDKFYDDENE LRRWFQDRSELESVLAEDMGWRYIKMTINTTDEEARERFN
UniRef90_R5B3T1	A E K A FILID S E KILIN K SIVIQ I MIG I ILIA SII IK F I ILIN I A D E F Y K A E Q E
UniRef90_UPI0003812FFB UniRef90_B9KA06	LEKWLKDMSEVEAVVSEDA <mark>CWRQI</mark> RMT <mark>C</mark> DTTDKSLEEFNF FRTFINKVTDFFDRVREE <u>HGW</u> LYIKMTVNADKEEFAKAYE
UniRef90_UPI0003B46AC2 UniRef90_UPI00037BCE77	IVIO DICILIK KIVID TILIR REIVIA TOIVISIL VIEILIR HITIVID TIK DAYYTKE OE
UniRef90_R9H4Z1 UniRef90_W8EYR1	TRQ VQD TAI SSTVDTQMNI WSI RHSI DMQDEFYNEETK LESWLKDKSELEAVVEEDFAWKYI RMTCDTLNE QLLQ LEQWLLNRSELESVLSEDLAWRYI RMTCDTQDQGRSEAFQ LEKWLLDRSELEAALEEDFAWRYI KMTCDTTDE KLVA
UniRef90_H8KP43	LEKWLLDRSELEAALEEDFAWRYLKMTCDTTDE KLVA
UniRef90_UPI000479EE71 UniRef90_A9HSA2	A QLMKLE QLRCHIE ELS DFVYCLY A E DVS R Q E VS RLLE R D Q A L A L F D T E R R A Y D S WA S L V A L R F A Q D T T D P Q A R A D R D
UniRef90_V4YK18 UniRef90_A9NEG5	A LISVVKLIY H K I M D N V D T Q M Q L V L I R H S I D T S N T F Y D D E Q A
UniRef90_Q9RYV0 UniRef90_R5Z353	VPAWLERWNSLSARLQGSGSKLSTHADLHTDDDAIDQGRYQ
UniRef90_R2NWN8	FMSLWKQYDTLYKDFDTNVTLCSIRHSIHTKDPYYAKENQAKTALQELNRLRGDMAKNMKLAYIRHSIDTSDNFYRDENDLADHFKEFDEANTLISSLAAFAKCQGAKDAGDEEASAATG
UniRef90_R5QAD6 UniRef90_D4JYA8	
UniRef90_C2CHD4 UniRef90_UPI0003028E7F	FFDSHKKINDSFLLVEELYNIVII RNSINTKDEFYDKELE LEKWLKDKSEVEAALEEDFAWRYLKMSCDTAND DLVK YQLALEEANSLL AFCRCKSSENTKDERVGALEA
UniRef90_UPI00035DB0A6 UniRef90_UPI00031B664E	
UniRef90_V5RJR8	FKEFFLESKKVSDLGNKINHYLKI LL VEQNNALALENES
UniRef90_A3ZSP5 UniRef90_I0K3P5	LRAVVGKWDQI RRGLESWSNLVEI RFNQEIHDPDFKAAQD LRRWFADRSELESYLSENFAWRYI RMT <mark>C</mark> DTASE <u>ALV</u> S
UniRef90_B6FWB1 UniRef90_J8Q5R4	FKEFFLESKKVSDLGNKINHYLKI LL VEQNNALALENES LRAVVGKWDQI RRGLESWSNLVEI RFNQETHDPDFKAAQD LRRWFADRSELESYLSENFAWRYI RMTCDTASE ALVS FDKNI VEINKI RNHI ESMKTLASLKYSINTHDESISLENK I LFYLQEETKLLDALEEALTGHYI DFNSYNDSEEAKKAFE
UniRef90_UPI000464689E UniRef90_UPI000465A1DD	<u>LVDVIVKEDERSRMM</u> WIMYDLAYIRNIIDIIDPFY <u>E</u> QEMS
UniRef90_R8KLT9	EL GEN KEKNINE SWIGTEN GENT SENT SENT SENT SENT
UniRef90_C2W8V4 UniRef90_F0RKG6	VP A WLREWS DLA A ELEGT GNRLSIQ A DLHT A D D A VQ E R Y R
UniRef90_T0U4G6 UniRef90_R5FVD7	A K T A II D F II N Y II R G T II D T A V N II A S II R H S II D T T D P Y Y F A F D T
UniRef90_A7GPS5 UniRef90_UPI000401471A	VIAARNEFMKAQTEYQTAASLSN <mark>C</mark> RYTLNTRDEFYLGEMN LRNWLKKQSKLIWETEEQLRVHYIDFQ <mark>C</mark> NTDNHEIKNVFE VRDAYYSLQEYEQEVESMFTLAYVRNTLNMRDEFYDAEVK
UniRef90_E8R3Q4	ILIE E WILIADEDEILIQS AIVIGQERERRHII IAM I <mark>C</mark> QIDDPARAAYILIE
UniRef90_R7ICM2 UniRef90_R6LK78	L L S E L G L Y E E A L M R L S S L R A F V K C L G A K D S T D A R L D P E N A
UniRef90_R7K4Z5 UniRef90_B3ESD4	Q F A D K E D K V V S E L R T N L S L A N I R F T Q N T K D E F Y A K E Y D L R T W L S H R S E L E G V I A E D A G W R Y I H M T C D T G N E E Y R K K Y E
UniRef90_R6LRQ4 UniRef90_V9RAB7	HQAFVAILNANSHFNTTRVMASLRNSQDTNDEFYRKEME
UniRef90_I2F6X2	LENFLLHWSELFMI LQEKLAWKYIDMTRFADNEKKRLDYS
UniRef90_K2F1J6 UniRef90_F2F519	L
UniRef90_UPI0003704B5B UniRef90_A6CJX9	LENFLLHWSELFMILQEKLAWKYIDMTRYADKVEHKDAFN LIEFWEKVSELQKILEDKGAWLYINMTRYADKVEHKDAFN LENWIEDEKSLRFEIEEALTGHLVDFYRNTEDPHIKSTYL LENWLKRKSRLLDEVEEQLKQHYIQFQCNTDNQQVKE LLKEMNNLRFEFEAAKNLYTLRHVQDYHDIKAEKEYK
UniRef90_UPI00047A1631	
UniRef90_UPI00036C1EF5 UniRef90_L0A2K1	I P A WL E R WS DL E K D V M E M Q A Q L T R A K D A D P T D E G A E A F V G A P D WL R H WS DL E K D V W D I R A H L T R A K D A N P S D R D A E A Y L A

```
130 140 150 150 16 L L K D I Y V E V V S I E L I I I K I V S S C E D I L S I L H K S Y I L N E K I D D L G T L I E N E L E F F T Q G I S R I P V D K Q E T F L N F P G L F K
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
                                                                                                                                                              QIQVLFARARTAYEPAALILDLCPDALFNDFLAFFDEAEPIVKGLVNDYYRALVSSPFRPQLEYMDEVQPEIEGLVIT KYYHALIDSKFRKQLEYFDTVSPEMEAIETEFREALLASPFRAELEQLESMASEIQPHLLFVSVELASLPEAAIEKQKAEFQILLLELKRLAPRLTRRRLALEYLDELSPKVDDLITNYYRALVGSSFRSELE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ANEETRA
EKWGKQL
EKWGRQL
KHLGAQL
ANDNLHF
DPEEAGP
EKWGTQL
 UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
                                                                                                                                                     QL
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_E5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_D3R2N1
UniRef90_Q0TMX7
UniRef90_Q0TMX7
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_E7NRE4
UniRef90_F47429
UniRef90_S6FM32
UniRef90_Q7NDT6
UniRef90_Q7NDT6
UniRef90_Q7NDT6
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_P7KL49
UniRef90_F7KL49
UniRef90_F7KL49
UniRef90_R7FW93
UniRef90_UPl00034B8010
UniRef90_R7FW93
UniRef90_UPl00034B8010
UniRef90_UPl0003B12FFB
UniRef90_UPl0003B12FFB
UniRef90_UPl0003B12FFB
UniRef90_UPl0003B12FFB
UniRef90_UPl0003B46AC2
UniRef90_UPl0003B46AC2
UniRef90_UPl0003B46AC2
UniRef90_UPl0003PBCE77
UniRef90_W8EYR1
UniRef90_W8EYR1
UniRef90_W8EYR1
UniRef90_W8EYR1
UniRef90_A9HSA2
UniRef90_UPl000479EE71
UniRef90_A9HSA2
UniRef90_UPl000479EF71
UniRef90_A9HSA2
UniRef90_Q9RYV0
UniRef90_Q9RYV0
UniRef90_Q9RYV0
UniRef90_PSUNNB
UniRef90_PSUNNB
UniRef90_PSUNNB
UniRef90_D4JYA8
UniRef90_PSUNNB
UniRef90_D4JYA8
UniRef90_D4JYA8
UniRef90_D4JYA8
UniRef90_D4JYA8
UniRef90_UPl00031B664E
UniRef90_UPl00031B664E
UniRef90_UPl00031B664E
UniRef90_UPl000465A1DD
UniRef90_UPl000465A1DD
UniRef90_UPl000465A1DD
UniRef90_D8CPSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_UPl000465A1DD
UniRef90_UPl000465A1DD
UniRef90_UPl000465A1DD
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniRef90_PSUNNG
UniR
                                                                                                                                                            R F M G E V V P
F W N E Y Q P H F E S L D F R F Y R C L L A S P L V E E L K T I Y P E T F F L Y Y D E N G P L F E E I G N K Y A E V M L G N K F R K E V E A K M N P L I F K G H D Q Q H V R P L L K R Y Q S L F D Q K Y L A S P F R M Q L N P D T Y D L L D K L L Q E D Y A K M I P Q Y N A Y E K A L T E S Q F R P E F E A E F G A Q L F L R D V D P H V K S V V N T L R S K Y L D C P F R A E L P P E T T A P A I A R A E A R L D A A S A F Q A I D A L D R G D P L W Q R V P L A H W R F E M
                                                                                                                                                              YINEITPEIDNALNNLNKCYLN
EY
I TAILPKLMPLSHQLDEKVVQCSYSTILGKET
YIFEIEPQIDVEMKKFYESYLKSSYRT
EFIQKTIPFGQALSTFQTYAIKNKKTILSFY ADPKFAH
KF FEDVYSKAEPYRIRLMKKYYDSIH RRELDP
DFMAQIVAKSESYFFQLKKKFYDSN
QDQQV IQPLLMTYEAKLNDKCCESPYFNELDENRYGL
TSDFDQKHVQPLVKRYKSLLDNKYYESP
AFISREADYQELVQLYYQALLLTPRKE ELEKRWGKQL
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
 UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
```

FVQEVQPEVLRAGQRLKNRLLAQT GWEPGEPHVQMFLQHVQPEVTRASHGLNQKLLALSGWQPEAQHEQ

170 Y S F L I E E L I Y N S K H L L S D E V E E S M A S L L N Y G A M S Y S A L Q D Y K H L L Q R L F D S A K Y L L T E P E E K I L N L T S K T A Q G N W D M I S UniRef90_G2IEZ4 UniRef90_V5RVC7 UniRef90_C9MWP1 UniRef90_R7QLG6 UniRef90_F8CYC3 A E F L L S H S R K M A R H R L S L Q E E N M V T K L S V T G H S A W G S L Y
F A L A E T E L K T H S P E V I E Q Q E N K L T S E Y T K L V A S A K I F F
F A L A E G Q L K T F K P E I L L Q K E N R L S T E Y T K L L A S A K I D F
F K L A E V Q K R S F G N A I V A D M Q E T N R L V T E Y N A L
Y S G F L G A A R R R A P H M L S E S V E R A L M V R K P L T V T T A T D Y Y F
Y R I L V E E A R L Q A L H L M P E G E E T L A A E L A L S G R E A W A K L H E
F A I A E A Q I K S F S S E V L M Q K E N K L T S E Y Q Q L I A S A K I D F UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59 UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3 UniRef90_LUF8X3 UniRef90_Q467R7 UniRef90_J2FVB9 UniRef90_S8XPS8 UniRef90_F4KXJ5 UniRef90_D3R2N1 UniRef90_C7PG49 UniRef9U_D3R2N1
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_UPI00037AEDD9
UniRef90_UPI00037AEDD9
UniRef90_E7NRE4
UniRef90_E7NRE4
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_UPI00034C6664
UniRef90_D2QDU1
UniRef90_D2QDU1
UniRef90_D2QDU1
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_F7KL49
UniRef90_F7KL49
UniRef90_F7FW93
UniRef90_UPI00034B8010
UniRef90_UPI0003812FFB
UniRef90_UPI0003812FFB
UniRef90_UPI00037BCE77 UniRef90_UPI000378CE77 UniRef90_R9H4Z1 UniRef90_W8EYR1 UniRef90_H8KP43 UniRef90_UPI000479EE71 UniRef90_A9HSA2 UniRef90_UPI000479EF71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R5Z353
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_UPI0003028E7F
UniRef90_UPI00033DB0A6
UniRef90_UPI00031B664E
UniRef90_UPI00031B664E
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_UPI00031B664E
UniRef90_UPI000465AE
UniRef90_IOK3P5
UniRef90_IOK3P5
UniRef90_UPI000465AIDD
UniRef90_UPI000465AIDD
UniRef90_UPI000465AIDD
UniRef90_UPI000465AIDD
UniRef90_UPI000465AIDD
UniRef90_UPI000465AIDD
UniRef90_FORKG6
UniRef90_FORKG6
UniRef90_TOU4G6
UniRef90_TOU4G6
UniRef90_R5FVD7
UniRef90_R5FVD7
UniRef90_R5FVD7
UniRef90_R5FVD7
UniRef90_R5FVD7
UniRef90_R7ICM2
UniRef90_R7ICM2
UniRef90_R6LRQ4
UniRef90_R6LRQ4
UniRef90_R6LRQ4
UniRef90_R6LRQ4
UniRef90_V9RAB7 FKSALKERIPQIVFTNFLISAKSIDEKILADMVEENKLCTGYNLLVROLGTHIQLYKDENIPLFTSIQLQAQEYGKTVSEELEKEFGEVYSRQAENKVRLTDPCNADLQIQENKLKKSYDSLFRYQSRRLPAIVAKYELTKAPLSSAFYEIFNLFRYENFDAIVSNAVELFNEDNLSLEVQEKKMASEYAATIGFRKDLTQKFQHLSKIIANELEMFREENIALAVKEQELSMKRF RESKVKLFRKENIPLLVKEQELCTKYSEIMGGFRLQLD PNFYGLLNKKVESALHLFNARNIDLEIAEDEFRLAEVKVHSFSDHI KKEVELENSLMGEYG UniRef90_R6LRQ4 UniRef90_V9RAB7 UniRef90_I2F6X2 UniRef90_K2F1J6 UniRef90_F2F519 UniRef90_F2F519
UniRef90_UP10003704B5B
UniRef90_A6CJX9
UniRef90_UP100047A1631
UniRef90_UP100036C1EF5
UniRef90_UP100036C1EF5
UniRef90_UP100036C1EF5
UniRef90_UP100036C1EF5
UniRef90_UP100036C1EF5
UniRef90_UP100036C1EF5
UniRef90_UP100036C1EF5
UniRef90_UP100036C1EF5
UniRef90_UP100036C1EF5
UniRef90_UP100036C1EF5
UniRef90_UP100036C1EF5
UniRef90_UP100036C1EF5
UniRef90_UP100036C1EF5
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10004FA1631
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10004FA1631
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10004FA1631
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10004FA1631
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10003F04B5B
UniRef90_UP10005B5B
UniRef90_UP10005B5B
UniRef90_UP10005B5B

ETEAHR

```
210 220 230
I S K Y K V E L D I G N G V K E I P L T E C R S M L E S S N R D L R F
LS R E E R K V L H E S G E E K E A N F S Q L L E G L N S I N K K V R D
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
                                            T DLS TVLPVNVR D A D G S
E
VA S A KLP F
                                                                                                          WKEMGIA
GEERTLA
GEERTLA
GKNLTLS
GERMILPIT
ELPIT
                                                                                                                                    S A E A Q P Q L E P Q V L S K V R N Q M Q P
                                                                                                                                                    MRDS
FVES
FTES
YLNA
FIMD
LYFR
FTES
                                                                                                                                                                              EVRRA
EMRKR
EMRKR
HVRRS
ERRWA
EVRKK
UniRef90_R7QLG6
UniRef90_F8CYC3
                                                                                                                                                                   PPTPSPT
                                                                                                                                                                          ERRRQER
                                                                                                                                                                       DDDDQUD
UniRef90_K6C5M3
                                            VASAKIPF
KQLDDATFLM
SLTSQITALLDGE
UniRef90_J9HAI3
                                         UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
                                                                                                        ENE
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90 F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_UP100037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_S6FM32
UniRef90_S6FM32
UniRef90_UP100034C6664
UniRef90_UP100034C6664
UniRef90_UP100034C66
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_B9KA06
UniRef90_UPI0003B46AC2
UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90 R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_C2CHD4
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_V5RJR8
UniRef90_A3ZSP5
UniRef90_I0K3P5
UniRef90_B6FWB1
UniRef90_J8Q5R4
UniRef90_J8Q5R4
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
UniRef90_B3ESD4
UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
```

UniDefOO COIE74	250 260 270 280 A L E A E K K L Y K Y M E D P L S F A L N N
UniRef90_G2IEZ4 UniRef90_V5RVC7	A ALALN DIFSKHAPA A EYELN SVLHNKKVS DELR GFT RPD
UniRef90_C9MWP1 UniRef90_R7QLG6	S WE GEREA WEPHQET CAAV LNAIT GWRLD MY EKRKFD S FL
UniRef90_F8CYC3 UniRef90_K6C5M3	A S E A R S A F F Q E H E E K L D E I Y D Q L V K V R T T I A R K L G F K N F V A T E A K F A F L A K H E A D L D R I Y D D L V N V R T E I A Q A L G Y K N F Y A N E A R Y A F F A K H E E D F D R L Y D E M V K L R T R M A R Q L G Y D N Y V
UniRef90_J9HAI3 UniRef90_F0VLU4	A O A A IVIK O GILIO E H MILIT K A ILISILINIL VILIG S WY A E R K E R G Y O T IVIR
UniRef90_K7R104 UniRef90_UPI00040E1D72	A Y E A ELK A WA E H EVPLA F A MN GVK G E A SV L N R R R V F R D DL A K E A Y F S F F A E N E E QLD R L Y D D L V K V R T E L A R T L G Y Q N F Y
UniRef90_UPI0002490392 UniRef90_S9U7T7	A S E A Y Y G F M A E N E E K F D R T Y D D T V K V R T R T A K K T G Y E N Y Y
UniRef90_UPI0003651F59 UniRef90_F7YTP4	A GEARY GFMAENSEELDRI Y DEL VKVRTTI ARKL GYNSFT A A E A Y F S F F E R N E E K T D K I Y D Q L V E V R T K I A H K L G Y E N F V A H E A F N G F F L E K E D Q F D E I Y D K L V K V R T K I A K K L G F N N F V
UniRef90_UPI00047C1E0D UniRef90_E7RD91	A A Q G K E V <mark>C</mark> E A E A A S F A A V F N H A G S R L D Y E Q R G W T N L L
UniRef90_S5YX68 UniRef90_E3ZZJ2	A S E A R E S E E T D H E K E II D E II Y D E II V I H I V IR T A II A E K II G E K N E I V I
UniRef90_L0F8X3 UniRef90_Q467R7	VFKEYTRVWQEEARLFSDTLNHLSGFRLATYDIRKWDNIL ASSAKYAFFAEHEETLDSIFDQLVKVRTRIAQKLGYPNYY CYDKRFYHLINESDSMASLYSK <u>KA</u> QLDDLVARELNYTDF <u>Y</u>
UniRef90_J2FVB9 UniRef90_S8XPS8	ANEAKYEYMRKHTDEEDRII IYDOIL VIKIVIRTRII IAOKII IGENSEIVI
UniRef90_F4KXJ5 UniRef90_D3R2N1	A Y Q A M Y S T Y E Q F Q H T Y A K T L Q T N V K S Q N F K A R V H H Y Q S A R A S E A K W S F F A G H A G E V E S I F D Q L V K T R H G I A Q K L G Y P N F T A V K L Y N K F F A D N L N E F N L I F D K M V K V R T E I A R K L G Y K D Y V
UniRef90_C7PG49 UniRef90_U2SQB3	A A K K W A E F F S A N K H E F D E II Y D K IL V K W R T E II A H K IL G F K N Y W
UniRef90_Q0TMX7 UniRef90_UPI00037AEDD9	A S E A K Y N E E IV IK H E D E II ID DII IE D K II V IK IV IR T K II IA K K II IG E N N E Y
UniRef90_Q8EWC2 UniRef90_E7NRE4	A Y N S L N K S F L N F E N T L A T AL Y Q N F L T L N Q I A K L Y N H K D Y L A S E A Y Y G F F A K N E A E L D S L Y D E L V K V R T R II A R T L G Y K N Y V
UniRef90_P47429 UniRef90_S6FM32	CYEKWIETYWTNRNSLSLSLVENYIQLENFAKLKNHPSYI ASEKLWGFFEENENKFDEIYDSLVKVRTKLAKKLGYKNFL
UniRef90_R6V655 UniRef90_UPI00034C6664	\
UniRef90_Q7NDT6 UniRef90_D2QDU1	A E K A R WN F F S Q H Q S Q L D S I Y D Q L V K L R H G M A Q K L G Y D N Y I A Q R V N WQ F F E Q H A G A L D R I F D E L V R L R H A M A R K L G F D N Y L A WR K L WE R R F Q D H E T L D Q L F D R L R D L R H Q I A V N A G F A N F R A M K T F N A G L A S N K L T N F S C L N Q V A G K E A V E N K E R K F S S L R
UniRef90_A0A023BD98 UniRef90_V2XLT8	A MKT F N A GLA S N KIT N F S CLN Q V A G K E A VENKER K F S S I R A WKKYT E F F S N N K E E L D D I Y D R L V K N R T A Q A E K L G Y D N F L
UniRef90_F7KL49 UniRef90_A0A023D4E6	A WE K F S A F F K A H E E E L D D I Y D K L V K N R T R Q A K E L G Y E N Y Y A F Q A R W A F F F A N G A T L D S L F D R L V K L R A G M A G T L G F P G Y T
UniRef90_R7FW93 UniRef90_UPI00034B8010	A WKKYEEFFASHEKRFEEL WDEL I KVRNEQGRNLGFENFL
UniRef90_R5B3T1 UniRef90_UPI0003812FFB	A WKKYTEFFSNNKEELDDII YDKLVKNRIAQAEKLGYDNFL A WEKFSAFFKAHEEELDDII YDKLVKNRIRQAKELGYDNFL A WEKFSAFFKAHEEELDDII YDKLVKNRTRQAKELGYDNFL A EQARWAFFEANGATLDSLFDRLVKLRAGMAGTLGFPGYT A WKKYEEFFASHEKRFEEI WDELIKVRNEQGRNLGFENFL A YRKISERRLEDNFKLDELFDKLLNLRHRVALNADFDNYR AFHAWAGWFADNEKKLGELYDKLVHLRHSMGKIMGFETFY VYRKMNERRMQDKDALNDLYTQLVHKRHQVALNAGFENYR A WRKRYEGIWEVRDKLNKLFDELKEIRHQQALNAGFSNYR A WRKRYEGIWEVRDKLNKLFDELKEIRHQQALNAGFSNYR A LQAYWNWFEQHEEEVAQIFDQMIKVRTRMAQKLRYDNFI
UniRef90_B9KA06 UniRef90_UPI0003B46AC2	ÄWRKRYEGIWEVRDKLNKLFDELKEIRHQQALNAGFSNYR
UniRef90_UPI00037BCE77 UniRef90_R9H4Z1	A S E T V T S F F E E K E A D F D S V Y D Q L V K V R H E II A T T L G F K D Y Y A WE A I T T R R L Q D K V Q L D T L F N E L L K L R H Q V A V N A G F E N F R A WR A I Q A R R L Q D A K P L D E L F T S L I G L R H Q V A V N A G F A N F R A Y E T I S S R R L Q D K D K L N E L Y T T L I N L R Q Q V A K N A G F D N Y R A A A A V V E T C A A E R D D F A M I L N R I A G F R L Q V Y A K R G W N D P L
UniRef90_W8EYR1 UniRef90_H8KP43	A WRAI QARRL QDAKPL DELFTSLI GLRHQVAVNA GFANFR
UniRef90_UPI000479EE71 UniRef90_A9HSA2	A A A A V V E T C A A E R D D F A M I L N R I A G F R L Q V Y A K R G W N D P L A E Q A R W D F F A T H G T E L D A L Y D R L V Q V R H G M A R T L G Y D T Y T
UniRef90_V4YK18 UniRef90_A9NEG5	
UniRef90_Q9RYV0 UniRef90_R5Z353	A WRALS ASNAADA PELDAV MLDLI RTRRQLAHNADEAN FR
UniRef90_R2NWN8 UniRef90_R5QAD6	A A K A V S N WY K E K E S A F D E V Y D N L V K V R T T L A T K L G Y E N F L A W R A L S A S N A A L A P E L D A V M L D L I R T R R Q L A H N A D E A N F R A T K A Y W G W F E A H K D E L L E I F A G L V Q V R T K M A Q K L G Y E N Y I A H A V Y E S F F V T H E Q E I D E I F D Q L V S L R H Q Q A Q K L G F A N Y V V N L G L A K S Y G E R A E L Y A A L L N E L H G F R L A A F G R A G V D A A
UniRef90_D4JYA8 UniRef90_C2CHD4	A Y E A E A G Y F D A H R T E L D E L Y T K I V K N L N Q Q A Q V M G F H D Y S A F E A L N A W F F A N I E K L D S I Y D Q L V K I R T R I A K K L G F K S Y T A W E S I T E R R L H D K D A L N D L F N K L K T L R H Q V A V N A D F D N F R
UniRef90_UPI0003028E7F UniRef90_UPI00035DB0A6	AWESITERRUHDKDALNDLENKLKTLRHQVAVNADEDNER WESITERRUHDKDALNDLENKLKTLRHQVAVNADEDNER
UniRef90_UPI00031B664E UniRef90_V5RJR8	VFEGLQRHYDKHASLYVDVINLLQGFRLDKFKRAGVDR AYITKEKIDRIYDDLVQVRHEILALKLGYNNFI
UniRef90_A3ZSP5 UniRef90_I0K3P5	A RAVWOWF A ANRVEL DOLL Y GDL VITER HGVA OKLOGEDS FV
UniRef90_B6FWB1 UniRef90_J8Q5R4	S S E Q F Y N Y F E S T E D K F D S V F D E L V K V R D R L A K K L G Y D N F Y A M T A L R E T E L E S E E P L O K L M S E L I E L R O K K A E Y A N L A N Y P
UniRef90_UPI000464689E UniRef90_UPI000465A1DD	AYITKEQFFEEHLEKIDRIYDDLVQVRHEIALKLGYNNFLLSLAYKKNQKNKKFTLAKLYDSIVKEEVESTQLVGMKSFTAARAVWQWFAANRVELDQIYGDLVTLRHGVAQKLGFDSFYAWFLIQERRFRDHETLDALYDTLVSLRHQIALNAGFDNFYRSSEQFYNYFESIEDKFDSVFDELVKVRDRIAKKLGYDNFYAMTAIRETFIESEEPLQKIMSELIEIRQKKAEYANLANYRSFQVWASMYEGIGDRLDDIYERMVAVRSRIAEKLGFDSYIASKKYYNYFEENEDEFGNLFDDLVKVRDKMAKKLGFDNFVVFELLISALHKEKEIFATVLNQIGRLRNTKSNELEDREILAFSSFTEALEKEKAVFASVLNHIGRLRNLKSNLLQEEEVLAWRALAQSNQELAQQLNPLMLELLDTRRRLAANADLPDFR
UniRef90_CP1000463ATDD UniRef90_R8KLT9 UniRef90_C2W8V4	VFELLISALHKEKEIFATVINQI GRURNTKSNELEDREIL AFSSETFALEKEKAVEASVINDI GRURNTKSNELEDREIL
UniRef90_C2W6V4 UniRef90_F0RKG6 UniRef90_T0U4G6	A WRALLA QSNQELLA QQLN PL MLELLIDTR RRLLA A NADLP DFR
UniRef90_R5FVD7 UniRef90_A7GPS5	A CI ALGEGLOAHKAELDELFDKLVKNRDLQAKKMGYKNFV
UniRef90_UPI000401471A UniRef90_E8R3Q4	A FEAWAALY EKUSPELEAQY GELVKLRNEMALK MGFKNYV
UniRef90_E6K3Q4 UniRef90_R7ICM2 UniRef90_R6LK78	T G R G L E Q H Y K V R G D A Y A K L L A A L H G F R L E Y F G R A G V S A L L L A A V S K F Y F N N F P R L F F L M D F L L R L P N D M G K N L G V F N V F L R L P N D M G K N L G V F N V F N N F P R L F F L M D F L L R L P N D M G K N L G V F N V F N N F P R L F F L M D F L L R L P N D M G K N L G V F N V F N N F P R L F F L M D F L L R L P N D M G K N L G V F N V F N N F P R L F F L M D F L L R L P N D M G K N L G V F N V F N N F P R L F L M D F L L R L P N D M G K N L G V F N V F N N F P R L F F L M D F L L R L P N D M G K N L G V F N V F N N F P R L F F L M D F L M D F L L R L P N D M G K N L G V F N V F N N F P R L F F L M D F L L R L P N D M G K N L G V F N V F N N F P R L F L M D F L L R L P N D M G K N L G V F N V F N N F P R L F L M D F L L R L P N D M G K N L G V F N V F N N F P R L F L M D F L L R L P N D M G K N L G V F N V F N N F P R L F L M D F L L R L P N D M G K N L G V F N V F N N F P R L F L M D F L L R L P N D M G K N L G V F N V F N N F P R L F L M D F L L R L P N D M G K N L G V F N N F P R L F L M D F L L R L P N D M G K N L G V F N V F N N F P R L F L M D F L L R L P N D M G K N L G V F N V F N N F P R L F L M D F L L R L P N D M G K N L G V F N V F N N F P R L R L R L R L R L R L R L R L R L R
UniRef90_R7K4Z5 UniRef90_B3ESD4	A Y M A L G K E M K R N G K K L D D L Y D K L V K V R T R M A K K L G M E S F Y V N O L N T R R L O D K D O L D T L Y S S L V K F R N T W A T N A G F N S F T
UniRef90_B3L3D4 UniRef90_R6LRQ4 UniRef90_V9RAB7	AFEKWAELYKSISDELDSLYTELIGIRQQMAKNLGFNGYA
UniRef90_I2F6X2 UniRef90_K2F1J6	A WRITY KRYSKDYEKINDI EDEL KELSVRVPQAANSGESSYR
UniRef90_F2F519 UniRef90_UPI0003704B5B	AYHLIRAAYRQIKPDTDALMDELÜQLRHQIAINANYRDYM
UniRef90_0P10003704B3B UniRef90_A6CJX9 UniRef90_UP100047A1631	A NI QTAFFAENETKFDTI YDELIKVRTELAHKLGFENYVAACIALGEGLDAHKAELDELFDKLVKNRDLQAKKMGYKNFVAKLLSVEKELQIIFNGLITIRHQKAKNVQLDNYRAFEAWAALYEKISPELEAQYGELVKLRNEMALKMGFKNYVAWRLTTQRRLQDKETLDDLFDKMLRNEMALKMGFKNYVTGRGIEQHYKVRGDAYAKLLAALHGFRLE YFGRAGVSALAVKAYSKFYENNEPRLEEIWDELIRIRNQMGKNLGYENYIAYMALGKEMKRNGKKIDDIIYDKLVKVRTRMAKKLGMESFYVYNQLNTRRLQDKDQLDTLYSSLVKERNTVATNAGFNSFTAFEKWAELGKEMKRNGKKIDDIIYDKLVKVRTRMAKKLGMESFYVYNQLNTRRLQDKDQLDTLYSSLVKERNTVATNAGFNSFTAFEKWAELYKSISDELDSLYTELIGIRQQMAKNLGFNGYALFTSYVNFLDQKKEGLHKLLYYYQFLAWNIGSKNISFKNYTAWRLSMSKLDEVHESLENLFDRLLSVRVPQAANSGFSSYRAWRLTYKRYSKDYEKINDIFDELKELRIKMAKNAGFDNYRAWRLTYKRYSKDYEKINDIFDELKELRIKMAKNAGFDNYRAYHLIRAAYRQIKPDTDALMDELVQLRHQKAQNVGLQNYRAYHLIRAAYRQIKPDTDALMDELVQLRHQKAQNVGLQNYRAYHLIRAAYRQIKPDTDALMDELVQLRHQKAQNVGLQNYRAYHLIRAARYFEENEEKFDDILHRLKVRTAMSRKLGRQNFIAAAAIAKTCAAEQDDFAMILNRIAGFRLQVYAKRGWDDLL
UniRef90_UPI00036C1EF5	A A A I A K T C A A E Q D D F A MI L N R I A G F R L Q V Y A K R G W D D L L A WR G I A E A N L G A A P E L D A L F L K L L A L R R E V A R N A G F G N F R A WR A L M A A R L K S A P Q L D A V F L E L L K L R R Q M A R N A G F P N Y R
UniRef90_L0A2K1	A W N A LLIN A A N LLIN S A F QLLD A IV IF LLICIL LIN LIK K Q M A K N A G F P N Y K

	290 300 310 320
UniRef90_G2IEZ4	SKT [KDNR II SEKT FESIL M S V M KES [P L FREFIL K L K GK T M G
UniRef90_V5RVC7 UniRef90_C9MWP1	A S R H F A D D I E T E V V D S L I E A V T S R F D I S Q R F Y K L K A R L L G E S D N L P E E L Y L N L V N T A K N N T K P L Q R Y L K L R K K I L G
UniRef90_R7QLG6	T <u>S S L H</u> S N R M S N A <u>T L A A L L K S L D S S V E V G R R A L A L Q A K <u>V</u> L K</u>
UniRef90_F8CYC3	E
UniRef90_K6C5M3 UniRef90_J9HAI3	Q M G Y D R D Y G P A E T R R F R D Q K R H V P L A E S L R E R Q R Q R L G
UniRef90_F0VLU4	S S R NIVIS N NIVIS D A TILIF A IL LIK A G F T A IVIQILIT K R Y Y R ILIK K QIL LIA
UniRef90_K7R104 UniRef90_UPI00040E1D72	EPTILIANRI TRRALSAMLQAVRESLPLFRRYFALKAKGLG YRMLRTDYDAAMVKKFRDQVKEFLVPLATKLKQRQQQRIG
UniRef90_UPI0002490392	H R WY A MK K K S I I G
UniRef90_S9U7T7 UniRef90_UPI0003651F59	D R M Y R T D Y D A N M V A N F R A Q V L E H I V P A A V K L K E R Q R K R V G E L A Y A R D Y G P E Q V E A F R K Q V Q E Y I V P A A S R L K D R Q R A R L G
UniRef90_F7YTP4	OLIAYDRDYN PKMIVIAK FREAII IKKYII VIPIVVISEILIREE ORKRILIE
UniRef90_UPI00047C1E0D UniRef90_E7RD91	ELGYARDYNAEMAANYRKQVYDTI VPVASKLRERQARRLQ KEAIEQNDIKEETIHLAIASIDQNKKSYLTYIQRKLELSR
UniRef90_S5YX68	EILIGYARDYNAEMIVIANFRRQIVIKTHII VIPILIAAKILIRERQRQRII IQ
UniRef90_E3ZZJ2	D E P L A I N R L D E Q T L Q S M W N V I Q T H K P T F V R F L D R K A N L L G
UniRef90_L0F8X3 UniRef90_Q467R7	A R M L R T D Y N A E M V A K F R K Q V Q E D I V P V A S R L R E R Q R Q R L G D Y S L Y N L Y L T H A Q V E E M N T V F K Q E K E V F E A Y N E F R K K K L E
UniRef90_J2FVB9	EIL IA Y A R D Y N A E MIVIA N F R K QIV L IE HII VIPIVIS S KIL VIE R Q R Q R II IG
UniRef90_S8XPS8 UniRef90_F4KXJ5	QSALSANFIPEEVYETLIKTVNHHLPLLHRYMKLRQKVLG SLGYDRDYTAEQVVGFREEIAKHIVPLASRLYERQQKRLN
UniRef90_D3R2N1	A IL IG Y A R D Y G E A E IV IA A Y R K A II I IK Y II V IP IL IA T E IL IR Q R Q A T R IL IG
UniRef90_C7PG49 UniRef90_U2SQB3	DYKFRFDYTKED <mark>C</mark> FQFHTAVKEHI VPLVKSLQEKHRAKLG ELAYARDYNAQDVAGYRKQVLENI VPLHSELRERQAKRLG
UniRef90_Q0TMX7	VRMRRYDYNKEMIVENERKOIVEEEL VIPLIDSKII YEROAKRI IG
UniRef90_UPI00037AEDD9 UniRef90_Q8EWC2	KMMNRFDYNRDMVKVYREELLKHVVPAVQKLRDRQAKRLQ AQVCFEDEVEVDFLDHVYNEVSKYQKNYQDFNKYRKQKMN
UniRef90_E7NRE4	Q L G Y D R D Y T A D M V A K Y R K Q I Y D E I V P I S T E L L K R Q K Q R L G
UniRef90_P47429 UniRef90_S6FM32	AQTAFNDELEVGFIDFVYQQVAQFAKTFQAFLRLKKHVLK LRMSRTDYNKDMVNTFRKQVEKYLVPLANKAFKKQKERLG
UniRef90_R6V655	E L A Y R R S Y G Q E Q V E A L R R Q V K E Y W V P F S E S L Y E K R K R R L N
UniRef90_UPI00034C6664 UniRef90_Q7NDT6	
UniRef90_D2QDU1	ALGYRRDYDAQDVARYRDQVAQSVVPLAEQLVSRQAQNLGDYSFRFDYTPEDCINFHESVAEAVVPLLNELAEERKKKLSASRNMANQLTDDIVKALLTAVRKGVETNKRFYKLKRQVLGYRMNRNCYGREDVKRFREQVKRDFVPFAEKLHDRRRLRLGYRMNRNCYTREQVEAFRDQVKKDFVPFVEKLHDRRRERLGPLGYRMNRNCYTREQVEAFRDQVKKDFVPFVEKLHDRRRERLGPLGYRRDYGPSDVAAFRERIVTHVVPLVASLLKRRALEMG
UniRef90_A0A023BD98 UniRef90 V2XLT8	A S R N M A N QL T D DII VK A L L T A V R K G V E T N K R F Y K L K R Q V L G
UniRef90_F7KL49	Y R M N R N C Y T R E Q V E A F R D Q V K K D F V P F V E K L H D R R R E R L G
UniRef90_A0A023D4E6	PLIGYRRDYGPSDVAAAFRERI VITHVVPLVASLLKRRALEMG
UniRef90_R7FW93 UniRef90_UPI00034B8010	
UniRef90_R5B3T1	M N M G R M D Y T A K E V A K Y R E Q V <u>V K</u> Y I V P V <mark>C</mark> T E L R K R Q A K R L G
UniRef90_UPI0003812FFB UniRef90_B9KA06	DVMHPFFVTPFDIIVPFHFAIVEKEIVVPVI VEPTKIIPOPKIIG
UniRef90_UPI0003B46AC2	A R M H R Y D Y D Q E D V A <u>K</u> Y R R Q V L E D V V P L <mark>C</mark> S A L Y K R Q Q K R L G
UniRef90_UPI00037BCE77 UniRef90_R9H4Z1	K M M N R F D Y N R D M V K L Y R E E II L K H V V P V V E K L R Q R Q A K R I Q D Y M F R A D Y T P H E C Y K F H E A II E R E II V P II L S E Q S L K R Q E A L G
UniRef90_W8EYR1	DYMFRADYTPHECYKFHEAI EREI VPI LSEQSLKRQEALG DYMFRFDYTPQDTLEFHRAI RETVVPLI DDLDLERRQDLE DYAFRFDYTPEDCFQFHEAI EKEVVPLLKEQAEKRKDALG
UniRef90_H8KP43 UniRef90_UPI000479EE71	TEILI <mark>C</mark> EQNRII IKKSTII IEAILLIAAII IDQNRPILIFQSYYERKFRILIAH
UniRef90_A9HSA2	P L G Y R R D Y G P A E V A R F R D D V L T H V V P L V R A I M E N R R L T M N
UniRef90_V4YK18 UniRef90_A9NEG5	S R R N V L N S I S D E I V N A L I A A V K E E V Q V T R R A M L L K K R L L K Q L G Y D R D Y H A E D V Q S Y R K Q I A E K I V P V V S D L M K R R Q K R L D
UniRef90_Q9RYV0	DYRWKEDYTPEQCLDFHASVRDEVVPLLSGLVGDLARQLGYRMNRFDYNQDDVKQYRQEILKEVVPVAQKLYASQKARLHEYMNRWSYDRQQLHAFRQFLVEEVVPLNQKLYKRQQERLGDVSLAQNRMSRGALFAMREAIVRHLDEIREAVRLRAPYFG
UniRef90_R5Z353 UniRef90_R2NWN8	EYMNRWSYDRQQLI <mark>H</mark> AFRQFII VIEEIV VIPII INQKILIY KRQQERLIG
UniRef90_R5QAD6	DVSLAQNRMSRGALFAMREALVRHLDEIREAVRLRAPYFG
UniRef90_D4JYA8 UniRef90_C2CHD4	ELSYVRMYGPEDIKRFRDQVAHDVVPELQKVITLKNRRTGAVAYKQDWDKEDAKKYREQIAKYIVPLSQKIYADQAKRIGDYMFRFDYTAKDCFDFHDAIEKEVVPLLSAQAEERKTLLKTPSFEQNKISAQAVGAMFEALKLRLESIRECVNLRAKYFE
UniRef90_UPI0003028E7F	DYMFREDYTAKD <mark>C</mark> EDFHDALEKEVVPLLSAQAEERKTLLK
UniRef90_UPI00035DB0A6 UniRef90_UPI00031B664E	QLGYDRMYNA <u>EDVEVFRNQIKDHVVPI</u> TEQINK <u>QH</u> AERIN
UniRef90_V5RJR8	ENYFEDDNFSLDNYLSLIKL VSNNNQPYNDFYKLIKRYFQ
UniRef90_A3ZSP5 UniRef90_I0K3P5	QLGYDRMYNAEDVEVFRNQIKDHVVPITEQINKQHAERINENYFEDDNFSLDNYLSLIKLVSNNNQPYNDFYKIKRYFQELAYRRDYGSEDVARYREEVREHVVPLCREIHRTQEDTLNDYAFRFDYTPADCFTFHQSVAEAVVPLLTEQAVERKAKLQIRMKRTEYNESDVVKFRDEVREKWIPLVYEFNNQKKKRLGDYMFRFDYSPEDCKTLAASIAKHVKPLKEKLQKEHAKKLGDYMFRFDYSPEDCKTLAASIAKHVKPLKEKLQKEHAKKLGSYINTRYDYGPEDVKKFRDHILNDIVPLKEKLQKEHAKKLGSYINTRYDYGPEDVKKFRGYVKDQIVPVCERLFKEQAESLGREMMRTEYNEKMVKIFRDHILNDIVPLANSLYERQASRLNTQSLHANGITETVLLQMWNATEENVEKLSRVITFHQRSSRSLQTNGISKNVLLEMWNAIERNVEKLSRVITFHQRSAYRWRVDYGPEQCLDFHRAVAELVYPVAEELGGYYRDYDRKMIETYRKEILEKVVPFVAEQVQALAAELG
UniRef90_B6FWB1	RMKRTEYNESDVVKFRDEVREKWIPLVYEFNNQKKKRLG
UniRef90_J8Q5R4 UniRef90_UPI000464689E	SYIIYRYDYGPEDVKKFRGYVKDQIVPVCERLFKEQAFSIG
UniRef90_UPI000465A1DD	ERMMRTEYNEK MVK OFROHI LNDI VPLANSLYER QASRLN
UniRef90_R8KLT9 UniRef90_C2W8V4	I Q S L
UniRef90_F0RKG6	AYRWRVDYGPEQCLDFHRAVAEQVVPFVAEQVQALAAELG
UniRef90_T0U4G6 UniRef90_R5FVD7	A F A N K W D Y D K K M II LE I Y R K E II L E K IV V IP II T Q K L IY A R Q A K R N Q E L G Y Y R D Y D R K M IV E A F R K N IV A K S II V IP IV V A F IV K K F IT A A D M G
UniRef90_A7GPS5	ELGYYRDYDRK MVE AFRKNVAKSL VPVVAEVKKELA ADMG DYMFRFDYTPEDCYKLAESIRKYVVPLLDKILHKQKAALE DMAYRFDYKQEDVAKFREQVRALITPAVAKLREVQKEKLG
UniRef90_UPI000401471A UniRef90_E8R3Q4	D M A Y K F D Y K Q E DIVIA K F R E QIVIR A II. I T P A VIA K L R E IV Q K E K L G A Y A Y R F D Y D R S A A A D F O K A IV F T F IV V IP II A R OII R F O R P O R II. G
UniRef90_R7ICM2	EVSUHQNRUSQEGÜEAMFSALRARLDDVRACVTÜRAPWLG
UniRef90_R6LK78 UniRef90_R7K4Z5	PIVIGYRTDYGEKEIVIASFREQIVIRTFILVIPILCQKILYDAQARRLIG
UniRef90_B3ESD4	EYSFRFDYTPEDCFAFHESIQQVVVPFVNQIAENQKKSLK
UniRef90_R6LRQ4 UniRef90_V9RAB7	A Y A Y R F D Y D R S A A A D F Q K A V E T E V V P L A R Q L R E Q R R Q R L G E V S L H Q N R L S Q E G L E A M F S A I R A R L D D V R A C V T L R A P W L G P V G Y R T D Y G E K E V A S F R E Q V R T F L V P L C Q K L Y D A Q A R R L G L R M T R N C Y D S N D L A V F R E N V K K Y V V P V C C Q I K E K L R K E C G E Y S F R F D Y T P E D C F A F H E S I Q Q V V V P F V N Q I A E N Q K K S L K E M M Y R F E Y T P E D V A I F R K Q L R E H L V P L C Q K L Y E E Q K E R L G E S A L Y A D E V P N K F L L N L Y K N M K A F R P D I Q R F R D I R K K V W N
UniRef90_I2F6X2	DYMHRFVYSVEDVHRFHESVEKVVVPFVSELNEKRRKELG
UniRef90_K2F1J6	DYMHRFSYSPEDLLKLHSAVEKTVVPYLEELNNERKQKLG
UniRef90_F2F519 UniRef90_UPI0003704B5B	DYMHRFSYSPEDLLKLHSAVEKTVVPFVSELNEKRKELG DYMHRFSYSPEDLLKLHSAVEKTVVPYLEELNNERKQKLG FVAKNREYSIEDCYDFHENVEKHIIPAWNRLADVFKSKLG DYMFRFDYTAADCFDLAEAMRQYVVPLQKKLQEKQQKLLG
UniRef90_A6CJX9	
UniRef90_UPI00047A1631 UniRef90_UPI00036C1EF5	D F V W R F D Y T P E D T R E L H A A V E Q H V V P L Q A R M N D E R R E H L G
UniRef90_L0A2K1	DYVWRFDYSPRDTRTLHEAVEQTVTPLLARVFAERRAAFG

```
| Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | Second | S
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DOPAUDUSONS SOUSDENDESDE DE SOUSDENDE DE SOUSDE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
   UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
 UniRef90_Q467R7
UniRef90_J2FVB9
 UniRef90_S8XPS8
UniRef90_F4KXJ5
 UniRef90_D3R2N1
UniRef90_C7PG49
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_U2SQB3
UniRef90_Q0TMX7
UniRef90_QPI00037AEDD9
UniRef90_Q8EWC2
UniRef90_E7NRE4
UniRef90_P47429
UniRef90_R6V655
UniRef90_UPI00034C6664
UniRef90_Q7NDT6
UniRef90_Q7NDT6
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_F7KL49
UniRef90_R690_R7FW93
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
 UniRef90_R5B3T1
UniRef90_UPI0003812FFB
 UniRef90_B9KA06
UniRef90_UPI0003B46AC2
 UniRef90_UPI00037BCE77
UniRef90_R9H4Z1
   UniRef90_W8EYR1
   UniRef90_H8KP43
   UniRef90_UPI000479EE71
UniRef90_A9HSA2
 UniRef90_V4YK18
UniRef90_A9NEG5
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R2NWN8
UniRef90_R5QAD6
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_D4JYA8
UniRef90_UPI0003028E7F
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_UPI00031B664E
UniRef90_A3ZSP5
UniRef90_B6FWB1
UniRef90_B6FWB1
UniRef90_UPI000464689E
UniRef90_UPI000465A1DD
UniRef90_R8KLT9
UniRef90_R8KLT9
UniRef90_C2W8V4
UniRef90_F0RKG6
UniRef90_T0U4G6
UniRef90_T0U4G6
UniRef90_R5FVD7
UniRef90_A7GPS5
UniRef90_A7GPS5
UniRef90_UPI000401471A
UniRef90_E8R3Q4
UniRef90_R7ICM2
UniRef90_R6LK78
UniRef90_R7K4Z5
 UniRef90_B3ESD4
UniRef90_R6LRQ4
   UniRef90_V9RAB7
UniRef90_I2F6X2
   UniRef90_K2F1J6
UniRef90_F2F519
   UniRef90_UPI0003704B5B
 UniRef90_A6CJX9
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
```

UniRef90_L0A2K1

360

KEDSEEET

 $\mathsf{N} = \mathsf{A} = \mathsf{B} =$

UniRef90_G2IEZ4 UniRef90_V5RVC7 UniRef90_C9MWP1 UniRef90_R7QLG6 UniRef90_R6C5M3 UniRef90_K6C5M3 UniRef90_F0VLU4 UniRef90_K7R104 UniRef90_UPl00040E1D72 UniRef90_UPl0002490392 UniRef90_UPl0003651F59 UniRef90_UPl0003651F59 UniRef90_UPl00047C1E0D UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_S5YX68	370 380 390 400 VG D F V K N A F D N N WI D S N Y E G K V G G A F C Y N I P K E S R I L M F G S L T D F L I E G K I D V F P K K G K D S G A F C V H M E K E L P F V M L Y V E K M K K A I S E G W L D V F E A K G K R T G A Y S A G V Y G V H P Y M L L A G K F V R I M K E N G W I E A S R G D K K R P G A Y C T G F K S R T P R V Y S T G E F F R Y M T E N E L M D L I A K K G K A S G G Y C T F I P N K A P F I F S T D A F F K F M V D N E L L D L Q S R D G K R V G G Y C T F I E N K A P F I F S T D A F F K F M V D N E L L D L Q S R D G K R V G G Y C T I I P S K A P F I F A M A K L F D Q L L D E E R I D A P A V P G K R T P A C Y L G T P T T G P F V V L A A R V A E L A F A E R W M D L L P R K G K V G G A Y C M P R G G G K S L I L A T S E F F D F M I D N N L M D L V A K K G K A S G G Y C T T I D D K A P F I F S I D G K K E F D N R W I D A A E N K G K R S G G Y C T T L D D A P F I F S I D Q F Y K F L Q D N E L M D L L S K K G K R S G G Y C T T L N D Q S P F I F A T G E F F N F M L E D E L M D L L S K K G K A G G G Y C T T Y I D D Q A P F I F S L G R F A E I A F E S D W I E S E N R P N K A E S G F C T S L P S K E S R I F F T G A F F R Y M V E H E L M D L V A K K G K A S G G Y C T Y I D D Q A P F I F S
UniRef90_E3ZZJ2 UniRef90_L0F8X3 UniRef90_Q467R7 UniRef90_J2FVB9 UniRef90_S8XPS8 UniRef90_F4KXJ5 UniRef90_D3R2N1	TGAFFRYMVEHELMDLVAKKGKASGGYCTYLDDQAPFIFS MADFAKHAFEKGWIEAEDRDNKRPGGFCTDFPEKESRIFM TEEFFAYMVNHELMDLVTKKGKAGGGYCTYIKHRAPFIFS FKELFLKMVTGGFIDVYPDHGKQPGGYCTDALKAPPLIFM TDEFYNFMLDNDCLDLLSKKGKATGGYCEYLQYRLPFIFA YSER TDEFFTLMQEAHLMDLENKDGKATGGYCTYIQYRTPYIFS TGEFFNFMLSNGLMDLPLRPGKHGGGYCAYIPYKSPFILA
UniRef90_C7PG49 UniRef90_U2SQB3 UniRef90_Q0TMX7 UniRef90_UPl00037AEDD9 UniRef90_Q8EWC2 UniRef90_E7NRE4 UniRef90_P47429 UniRef90_S6FM32	F G N C L R V M Q Q L G R L D L E S R K G K A P G G Y N C P L A E T G P F I F M T D E F F T F M T E N N L L D L L S K K G K A S G G Y C T Y L P D K S P F I F A T K E F F D F M V E N D L M D L V A K K G K A A G G Y C T N F P N K A P F I F S T G E F F D F M V E H D L L D L V A K E G K D S G G Y C T Y L P D K S P F I F S Y Q S V A K K S F N E N W I S W L P K E N K T S G A Y S V S N T K G K Y Y V L L T D E F F R F M T D N E L L D L L S K K G K E G G G Y C T T I Y D Q A P F I F A
UniRef90_R6V655 UniRef90_UPl00034C6664 UniRef90_Q7NDT6 UniRef90_D2QDU1 UniRef90_A0A023BD98 UniRef90_V2XLT8 UniRef90_F7KL49 UniRef90_A0A023D4E6 UniRef90_R7FW93	TKEFFSFMVNNKLLDLESKKNKSAGGYCTYIADKSPFIFA TKEFFDFMMENQLLDVFGRKSKAVGGYMTYLPDYHPFVFA LGSFFKMMVGGNFLDLKTRPGKAGGGFCTSFPTGVPYIFA LGDFFQTLVNCHLLDLKNRPAKAGGGFCTSFPTHGPFIFA LGDDLRIMRAMGHLDLESRKGKAPGGYNYPLEEGVPFIFM FGTLFDRLVAEGRIDAPATDGKRGGAFCFGNPQVGPGVFV TAKFINFMCDNELFDVLGRKTKQTGGYMTYLPDKSPFIFA TKEFFDFMMENELFDVLGRKNKRVGGYMTYLPPKSPFIFA TKEFFDFMMENELFDVLGRNNKRVGGYMTYLPPRSPFIFA TGEFIDFMIDHELLDLKNKPGKASTGYMTSLKYKAPFVFS LGKCLSUMREMKHLDLDSRKGKAPGGYNYPLEIGVPFIFM
UniRef90_UPI00034B8010 UniRef90_R5B3T1 UniRef90_UPI0003812FFB UniRef90_B9KA06 UniRef90_UPI0003B46AC2 UniRef90_UPI00037BCE77 UniRef90_R9H4Z1 UniRef90_W8EYR1 UniRef90 H8KP43	T G E F F D F M R E H E L M D L D T R P N K A V G G Y C T F I A D Y D P Y I F S F A N C L R K M K E L G H L D L E S R K G K A P G G Y N C P L E S G A P F I F M F A E R F R L M R E K N L L D L E N R K G K A P G G Y N H T L P K T G P F I F M T G V F F D F M V E H D L L D L D S K P G K A A G G Y C T F M P D K S P F I F A T G Q F F D F M V E H D L L D L L A K E G K A P G G Y N Y P L A E T G P F I F M L G Q C L R T M R Q M G N L D L E S R K G K A P G G Y N Y P L D E T V P F I F M
UniRei90_HOKP43 UniRef90_UPI000479EE71 UniRef90_A9HSA2 UniRef90_V4YK18 UniRef90_A9NEG5 UniRef90_Q9RYV0 UniRef90_R5Z353 UniRef90_R2NWN8 UniRef90_R5QAD6	LATFTKTVFEAGWVDAENRSGKAEGGFCASFPAKESRIFM LGAFYRKMTEGGFLDVRNRPTKAGGGFCTAFPSGMPFIFA FVRLFEKLLNEGRIDAAPADGKQTGAFCSGTPATGPFILM TSKFFRFLVDSELLDLDSKANKEGGGYCTYIPDYEPFIFA LAARFRQMRESGLLDLESRPGKMTHAYCNYFPTTEPFVLM TGSFFQSMMDSHLMDLQARADKAAGGYCTYIPNYEPFIFA TGNFFDQMIQQELMDLAGRPGKQSGGYCTYIPNYEPFIFA TGNFFDQMIQQELMDLAGRPGKQGGAFYRFNFFRIPRVFS
UniRef90_D4JYA8 UniRef90_C2CHD4 UniRef90_UPl0003028E7F UniRef90_UPl00031B664E UniRef90_UPl00031B664E UniRef90_V5RJR8 UniRef90_A3ZSP5 UniRef90_I0K3P5	TAEFLDFMQDNELFDVESRPGKMSGGYMTSLPSKAPFIFA TGEFFTAMLDMGMMDLTTKDGKAPGGYMTSLPTKMPFIFS LGSRLELMKANGLFDVESRKGKAPGGYNYPLAETGPFIFM LPGFIRMMLQKGWIEADTRENKAGGAFYTRFDKKQPRVFS TGKFIDYMIDKSLFDLEAKKGKESGGYCTIINDFNPFIFA YSEMLDLCIADNKIDFFEDDNKSSGAFTVYSNGYGSLVSL LGKFFQLMCEKNLLDLKLRPWKAGGGFCSSLPSEEPFIFA LGGYLRVMRQMGHLDLESRKGKAPGGYNYPLEEGVPFIFM
UniRef90_B6FWB1 UniRef90_J8Q5R4 UniRef90_UPl000464689E UniRef90_UPl000465A1DD UniRef90_R8KLT9 UniRef90_C2W8V4 UniRef90_F0RKG6 UniRef90_T0U4G6 UniRef90 R5FVD7	T GE F F D F M L E H E M F D L D S K P G K Q P G G Y C S F L P G K S P F I F M T N E F F N Y L I E N E L I D Y E T R A N K G A G G Y C T Y L P N K A P F I F A L A Q F A Q N A I A N G W V D A A P R D N K P P G G F C A P F F S K E S R I S M L A Q F A Q M A I M N G W V D A A P R D N K P P S G F C A P F L S G E S R I S L S D R F A Q M R A E G L L D L E S R P G K M P H A Y C N Y F P V T Q P F V L M T G F F D F M V D H F L L D L L S K K G K O S G G Y C T F L Q Y O S P F L F A
UniRef90_A7GPS5 UniRef90_UPl000401471A UniRef90_E8R3Q4 UniRef90_R7ICM2 UniRef90_R6LK78 UniRef90_R7K4Z5 UniRef90_B3ESD4 UniRef90_R6LRQ4	FSNLLKRMHKNNLLDLESRKGKAAGGFCEYLPSQLSFIFM TGEFFDFMKEYDLFDLETRPGKHMGGYMTAMPFKAPFIFS LGARFEYLRTHDLLDLANRKGKAPGGYQTTLEFQRPFIFM LEAFFRMMREKRWIDAKPSNRKIGGAFYSRFEERMPRIFS TGEFIDFMIDHELMDLQNKPGKASTGYMTSLPIKAPFVFS TKKLFETMKESEAFDLLSREGKWGGGYCTELEYKLPFILS LGDCLRTMQRMGRFDLDSRKGKAPGGYNYPLVSGVPFIFM TGEFFDFMMEYCLFDLEGRQGKQQGGYCDFMEYKAPFIFA
UniRef90_V9RAB7 UniRef90_I2F6X2 UniRef90_K2F1J6 UniRef90_F2F519 UniRef90_UPI0003704B5B UniRef90_A6CJX9 UniRef90_UPI00047A1631 UniRef90_UPI00036C1EF5 UniRef90_L0A2K1	Y D S L N L M F S K N W I D W K P N P P K L S G A Y F S G E A Y R G K Y V L L F G V N L L K M K E N G L L D L E N R K G K A P G G Y N Y P L D E T G P F I F M F G R E I K S M E S N G F L D L G D R K G K S P G G F C V P L P S G D T F V F A F S D R L L Y M R E H G L L D L G D R K G K S P G G F C V P L P S G D T F V F A F S A L L H D M K E K N L L D L E S R K G K A P G G F C E F L P S K Q S F I F M T E V F Y D S L M E K G N Y D L L P R P G K K G G G Y A T Y L K E K E P F I F A L A T F T K H V F E A G W V D A E N R P N K A E G G F C A S F P V Q G S R I F I L G A Q F A A M H T G G F L D L D P R P E K V G Y G Y C D Y F P R A Q P F L Y W L G A Q F A R M R E G G Y L D L E P R A E K V G Y G Y C D Y F P R A Q P F L Y W

UniRef90_G2IEZ4 UniRef90_V5RVC7 UniRef90_C9MWP1 UniRef90_R7QLG6 UniRef90_F8CYC3 UniRef90_H8CYC3 UniRef90_J9HAI3 UniRef90_V1U4 UniRef90_UP100040E1D72 UniRef90_UP10002490392 UniRef90_UP10003651F59 UniRef90_UP10003651F59 UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D	410 420 430 440 NFNNSYDSIFTLAHELGHAYHGELI KNERILNTNYPMTII NHTGRLNDVTTLAHEMGHAINFELMKKEQNALNCGTYTCT NYNKTLDSVFTLAHELGHTLHTLYSDENQPFSMADYTLFV DYNGRAQLLLTLSHELGHAFHTWQMRDLPETQLS YPMNL NFTGTSGDIDVLTHEAGHAFQVYESRHYEIPEYNWPTLEA NFNGTSGDIDVLTHEAGHAFQVYSSRHFELPEYNWPTLEA NFNGTAHDVTVLTHEAGHAFQVYSSRHFELPEYNWPTLEA NFNGTAHDVTVLTHEAGHAFQXFESRNLPCPYYFPTSEA QHVGQQHCVETLAHEAGHAFQXYSSRHYEIPEYNWPTFEA NFNGTSGDIDVLTHEAGHAFQXYSSRHYEIPEYNWPTFEA NWTDKLYSTTVLAHELGHAYHNFALARVPASL REVPMTL NFNGTSGDIDVLTHEAGHAFQXYSSRHYEIPEYNWPTFEA NWTDKLYSTTVLAHESGHAMHSYFSSQNQPSQYADAPIFL NFNGTSGDIDVLTHEAGHAFQXYSSRHFEVPEYNWPTYEA NFNGTSGDIDVLTHEAGHAFQXYSSRHFEVPEYNWPTYEA NFNGTSGDIDVLTHEAGHAFQXYSSRHFEVPEYNWPTYEA NFNGTSGDIDVLTHEAGHAFQXYSSRNFTVPEYYWPTTES NFNGTSGDIDVLTHEAGHAFQXYSSRNFTVPEYYWPTTES NFNGTSGDIDVLTHEAGHAFQXYSSRNFTVPEYYWPTTES NFNGTSGDIDVLTHEAGHAFQXYSSRNFTVPEYYWPTTES NFNGTSGDIDVLTHEAGHAFQXYSSRNYEVPEYYWPTTES NFNGTSGDIDVLTHEAGHAFQXYSSRNYEVPEYYWPTYEA TYRETYGGFPTYEA
1.5 5.5 5 — 5 5	NFNGTSGDVDVLTHEQGHAFQVYSSSRNTQLLSSSSSLSSSSLSSSSSSSSSSSSSSSSSSSSSSSS
UniRef90_T0U4G6 UniRef90_R5FVD7 UniRef90_A7GPS5 UniRef90_UP1000401471A UniRef90_E8R3Q4 UniRef90_R7ICM2 UniRef90_R6LK78 UniRef90_R7K4Z5 UniRef90_R5ESD4 UniRef90_B3ESD4 UniRef90_V9RAB7 UniRef90_L2F6X2 UniRef90_L2F6X2 UniRef90_K2F1J6 UniRef90_F2F519 UniRef90_L4P10003704B5B UniRef90_UP10003704B5B UniRef90_UP100047A1631 UniRef90_UP100036C1EF5 UniRef90_UP100036C1EF5	NFNGTAADVDVLTHEAGHAFQAFQSRWIKEPEILFPNFES NFNGSSGDVDVMTHEFGHAFAMNQQFYTGDPELGVGGMET NLNYTQYDALTFLHEMGHSIHNECMKRIDVNALRASTEI NAVGVDDDVRTLLHEAGHAFQGYLSMRSIDVNALRASTEI NAVGVDDDVRTLLHEGGHAFHTLEARHLPYGPLREAPIEF TYQGSLASVIQQSHEMGHAFH YWIMRDLPAVQTEFPMTL CFNHTIFDMQVLTHELGHAFAGYMAMRSQPISYYSESTDI NFNGSSGDVDVLTHELGHAFAGYMAMRSQPISYYSESTDI NFNGSSGDVDVLTHELGHAFAFAGYMAMRSQPISYYSESTDI NFNGSSGDVDVLTHEAGHAFAFAGYMAMRSQPISYYSESTDI NFNGSSGDVDVLTHEAGHAFAFAGYMAMRSQPISYYSESTDI NFNGTNADVNVLTHEAGHAFAFAGYMAMRSQPISYYSESTDI NFNGTNADVNVLTHEAGHAFAAGYTSRNIPVLSQTFSTAEI NYNGYFDDLLTLAHELGHAVHDIEIDKTETY YYSPTIFV NATGTPANVKTLLHESGHAMHSFATTDEKLIAYYSPTIFV NATGTPANVKTLLHEMGHAVHDIEIDKTETY YYSPTIFV NATGTPANVKTLLHEMGHAVNGYLQASEQGPEEFQWRAEI NCCNTQDDVVVLLHEMGHAVNGYLQASEQGPEEFQWRAEI NCCNTQDDVVVLLHEMGHAVNGYLQASEQGPEEFQWRAEI NCCNTQDDVVVLLHEMGHAVNGYLQASEQGPEEFQWRAEI NCCNTQDDVVVTLAHEIGHAFQFFMSRDLNCPEYI IPVDS TYREAYQDVVTLAHEIGHAFQFFMSRDLNCPEYI IPVDS TYREAYQDVVTLAHEIGHAFQFFMSRDLNCPEYI IPVDS TYREAYQDVVTLAHEIGHAFQFFMSRDLNCPEYI IPVDS TYREAYQDVVTLAHEIGHAFRASRPGDLVWNLLSPIEF

UniRef90_G2IEZ4 UniRef90_V5RVC7 UniRef90_C9MWP1 UniRef90_R7QLG6 UniRef90_F8CYC3 UniRef90_K6C5M3 UniRef90_J9HAI3 UniRef90_V9HAI3 UniRef90_UPI00040E1D72 UniRef90_UPI0002490392 UniRef90_S9U7T7 UniRef90_UPI0003651F59 UniRef90_S9U7T7 UniRef90_UPI00047C1E0D UniRef90_UPI00047C1E0D UniRef90_E7RD91 UniRef90_E3ZZJ2 UniRef90_E3ZZJ2 UniRef90_L0F8X3 UniRef90_L0F8X3 UniRef90_L0F8X3 UniRef90_J2FVB9 UniRef90_J2FVB9 UniRef90_J2FVB9 UniRef90_SXPS8	450 A E T A S I F F E T L I C D K A F N F V D E E E K I I L E Y E L N S A T Q V A E V A S T F M E D F V L D E I E N G V D D A R R L E I L M E R L N G D V S S A E V A S T F N E R L L L D Y M L E N T N D P K E R I A L L E Q E I G N I V G T A E T A S I F F E T V V G N A L L E K A E T L E E K F S I L W G E A E S A A T F C E I H S M S M E F F A W P W M K L F F Q E D E E K Y K F Y H L S D A L L F C E I H S M S M E F F T W P W M E L F F K E D T D K Y K F S H L S T S V L M A E M A S L M G E R I V F D S L L G R T T D P E E R L A L L S H I D G W T S T A E T A S I M N E T L V V E A A L K E V D P G E G R L I L D A Y L Q G A A Q V C E I H S M S M E F F T W P W M E N F F K E D T D K Y K F A H L S G G L L F A E V A S T F N E N L L T D Y L E K Y S D K Q I S I F I L E Q Y I T G F I G T A E I H S M S M E F F T W P W M E L F F Q E D T D K Y K F A H L S G G L L F C E I H S M S M E F F T W P W M E L F F Q E D T D K Y K F A H L S G G L L F C E I H S M S M E F F A W P W M E L F F Q E D T D K Y K F T H L S S A L F F C E I H S M S M E F F A W P W M E L F F Q E D T D K Y K F T H L S S A L F F C E I H S M S M E F F A W P W M E L F F Q E D T D K Y K F T H L S S A L F F C E I H S M S M E F F A W P W M E L F F A E D E A K Y K F T H L S S A L L F C E I H S M S M E F F A W P W M E L F F A E D E A K Y R F N H L S E G L L F C E I H S M S M E F F A W P W M E L F F E D E A A K Y R F N H L S E G L L F M E I P S T F N E E L F V D Y V V E N S D R D T A V A V L S Q Q I D D Y Q N F C E I H S M S M E F F A W P W M E L F F E D E A A K Y R F N H L S E G L L F M E I P S T F N E E L F V D Y V V E N S D R D T A V A V L S Q Q I D D Y Q N F C E I H S M S M E F F A W P W M E H F F K E D T D K Y K F S H L S S G L Q F
UniRei90_SXPS8 UniRei90_F4KXJ5 UniRei90_D3R2N1 UniRei90_D3R2N1 UniRei90_U2SQB3 UniRei90_Q0TMX7 UniRei90_Q0TMX7 UniRei90_Q0EWC2 UniRei90_E7NRE4 UniRei90_P47429 UniRei90_P6655 UniRei90_P6655 UniRei90_Q7NDT6 UniRei90_Q7NDT6 UniRei90_D2QDU1 UniRei90_A0A023BD98 UniRei90_D2QDU1 UniRei90_A0A023BD98 UniRei90_P7KL49 UniRei90_A0A023D4E6 UniRei90_A0A023D4E6 UniRei90_A0A023D4E6 UniRei90_A0A023D4E6 UniRei90_BYKA06 UniRei90_BYKA06 UniRei90_UPl0003812FFB UniRei90_BYKA06 UniRei90_UPl00037BCE77 UniRei90_UPl00037BCE77 UniRei90_W8EYR1 UniRei90_W8EYR1 UniRei90_W8EYR1 UniRei90_W8EYR1 UniRei90_H8KP43 UniRei90_W8EYR1 UniRei90_A9HXA2 UniRei90_UPl000479EE71 UniRei90_A9HXA2 UniRei90_UPl000479E71 UniRei90_A9HXA2 UniRei90_UPl000479E71 UniRei90_A9HXA2 UniRei90_UPl00030308E7F UniRei90_A9NEG5 UniRei90_D4JYA8 UniRei90_R5Z353 UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl0003028E7F UniRei90_UPl00030308E7F UniRei90_UPl000304040404040404040404040404040404040	CEI H S MS ME F F A WP W M N P F F G P A T A V V V F F M N P W N Y M K P F F G A A E D A A S M S M E Y L T WP W M M N P F F G S A A E D A A S M S M E Y L T WP W M M N P F F G S A A E D A A S M S M E Y L T WP W M M N P F F G S A E E D A A L L L F F A A Y V A S M S M E Y L T WP W M M N P F F S M E E D A A L L L G Y K K Y K F S H L L L G D A A L L L F F K M S M E F F T W P W M M N L F F K M C M C M S M S M E F F T W P W M M L F F K M C M C M S M S M E F F T W P W M M L M F F F N E M C M C M S M S M E F F T W P W M M L M S M S M E F T T W P W M M L M S M S M E F F T W P W M M L M S M S M E F F T W P W M M L M S M S M E F F T W P W M M L M S M S M E F F T W P W M M L M S M S M E M M M M M S M S M S M E M M M M
UniRef90_E8R3Q4 UniRef90_R7ICM2 UniRef90_R7ICM2 UniRef90_R6LK78 UniRef90_R7K4Z5 UniRef90_B3ESD4 UniRef90_Y8RAB7 UniRef90_I2F6X2 UniRef90_I2F6X2 UniRef90_K2F1J6 UniRef90_F2F519 UniRef90_UPI0003704B5B UniRef90_A6CJX9 UniRef90_UPI00036C1EF5 UniRef90_UPI00036C1EF5	NEIHSMSMEHFAYPWMELFFGDKTEK YITSHLMGALSVCEVASMTMELFGANDLAPFYQPDQAARS HRQLLEGIVTI TEMASTFDEAVVRDYLYRRS DRAGQFAMLWQDLKSWANF AEIHSMSMEQFAYPYAEWFFGDQADKFRF AHLQEALTF CEVHSMSMEYFAHRWMELFFGEKADVYR WQHIAESFCF AELASMSMELLTINYWDIFLDNPTDVKRAKREHLEGIIKR SEIHSMAMEYFTLPWMHLFFGENAEKQ KKAYLWDSLEA AEIPSILNEILVQYYLLDKYRDKFRQFHILDHLLSTFVST AELASMSMELLTINDYWDEYYSEEEVRIARKEELAGTLSF AELASMSMELLTDDNFYSLEEVRIARKEELAGTLSF AELASMSMELLTDDNFYSLEEVRIARKEELAGTLSF AELASMSMELLTDDNFYSLEEDLEKLKKAELTDKIRF AELASMSMELLTDDNFYSLEEDLEKLKKAELTDKIRF AELASMTMELLTDKFNLFYPEEEEFKSAQREELRRAFTM AELASMTMELLTDKFNLFYPEEEEFKSAQREELRRAFTM AELASMTMELLTDKFNLFYPSGEDTTKYKL SHLIEAFMY AELASTFNERT

	490 500 510 520
UniRef90_G2IEZ4 UniRef90_V5RVC7	I VDI Y S R F L F E K E V F Q R C E N E F L T P D N L N Q I M L N A Q K E A L Q R Q V A C Y N F E K D L H T I Y R S E G F L P L K R I G E L F L K H M G A Y
UniRef90_C9MWP1	FYFQALLADYEYQAHKLAEAGEPITTAEVLSKIMEDLFDKY LLNIPARFRFEEEL NIRRKDGKLAVSEIDEMMINAWERY LPYGVAVDEFQHFVYE NPDATPAERKQAWRAIERKY LPYGVSVDEFQHWVYE NPEASPKERKLKWRKIEKKY IPYFAVVDEFQHFVYE NPTAPPQERKAYWRELERTY VTRQLMFDDFESRVHEARTQGTIPDGAFTAMWKEALEKYF
UniRef90_R7QLG6	L L N I P A R F R F E E E L N I R R K D G K L A V S E I D E M M I N A WE R Y
UniRef90_F8CYC3 UniRef90_K6C5M3	L PYGVSVDEFQHWVYE NPEASPKERKLKWRKI EKKY
UniRef90_J9HAI3	I PYFAVVDEFQHFVYE NPTAPPQERKAYWRELERTY
UniRef90_F0VLU4 UniRef90_K7R104	V V D L V S R F L F F S W V F F R R R A R F L S P R F L K F L M L K A O K F T
UniRef90_UPI00040E1D72	V V D L Y S R F L F E S W V F E R R A R E L S P R E L K E L M L K A Q K E T L P Y G V A V D E F Q H F L Y E N P E A T P A E R K S A W K E L E E K Y
UniRef90_UPI0002490392 UniRef90_S9U7T7	LYRQTQFAEFEHQAYTAEQNGTTLTADFLDKLSGDLVNKY MPYGVSVDEFOHEVY SNPFATPAERKAAWREIJEKKY
UniRef90_UPI0003651F59	TPYGVAVDEFQHMIY NNPELTPAERKDAWKAVEEKY
UniRef90_F7YTP4 UniRef90_UPI00047C1E0D	MPYGVSVDEFQHFVY SNPEATPAERKAAWREI EKKY IPYGVAVDEFQHMIY NNPELTPAERKDAWKAVEEKY IPYGTL VDEFQHLVYE NPSMTPQQRKKLWRSLEKLY IPYGVTVDEFQHWVYE NPEATPTERKQAWRRIEEKY
UniRef90_E7RD91	V G A V P N M F R F E Q A F Y E K R K E G P L S V Q E II N E L L S G V E N S F
UniRef90_S5YX68 UniRef90_E3ZZJ2	LPYGVAVDEFQHAVYER PDMTPAERKKTWRDLENVY FMNLHARFLFE
UniRef90_L0F8X3	I P Y G V T V D E F Q H F I I Y E N P D A T A E Q R K T A W R A I E K K Y
UniRef90_Q467R7 UniRef90_J2FVB9	FTRQPLITEFEYKAHRLCAEKETVSGAELNALWTDLSKEY LPYGVSVDEFQHVVYE NPDMTPSERKRAWRELERKY
UniRef90_S8XPS8	
UniRef90_F4KXJ5 UniRef90_D3R2N1	I PYGSAI DEFQHIVYA NPEMSPAERNQUWSNLEKKY RHPEFTPAERMKTWRKLEKIY
UniRef90_C7PG49	LPYGSAIDEFQHLVYA NPEMSPAERNQVWSNLEKKY PYGALVDHFQHEVY RHPEFTPAERMKTWRKLEKLY FPWIALIDKFQHWLYE NPQHTVEERTAAWVALQDEF IPYGVTVDEFQHWVYE NPEATPEERRNKWLETERKY
UniRef90_U2SQB3 UniRef90_Q0TMX7	II IF I GIVII IVID E F QII FIVII E N F E <mark>O</mark> I F N E N N D A W N N II IE N N I IL IF II N
UniRef90_UPI00037AEDD9	L P Y G V L V D H F Q H E V Y E H P E M T P A E R K A T W K R L A D L Y T L R Q I M F S Y T E R E I L N F L N E N K P V G A N E L K E L Y A H T H K K F
UniRef90_Q8EWC2 UniRef90_E7NRE4	LPYGVSVDEFQHWVYE NPEASPAERKAQWRAIEKKY TTRQIMFSQFEKDTLYLIRVNQKPDFKTLIKIYANTAVKY
UniRef90_P47429 UniRef90_S6FM32	TTRQIIMFSQFEKDTLIYLIRVNQKPDFKTLIKIYANTAVKY
UniRef90_R6V655	I PYGCMVDEFQHRIYD NPELTPDERKAVWKELEQLY
UniRef90_UPI00034C6664 UniRef90_Q7NDT6	I PY GVAVDEFQHYVYE NYTATKEERKAAWRKIERKY I PY GCMVDEFQHRI YD NPELTPDERKAVWKELEQIY L PY GCAVDHFQHL VYT NPQATPQERNQMWQQMEARY L PY GVAVDHFQHL VYA HPEATPAERRQMWLEMERRY
UniRef90_D2QDU1	ILIP WIVIA III IDKE QH WII IY EN PIHI DAEKKEN WIVIKII IY N QE ADI
UniRef90_A0A023BD98 UniRef90_V2XLT8	V VRQI S F D R F E E L V H N A R Q E G F V D V T K M E Q F W M Q T T R E F
UniRef90_F7KL49	I PYGTMVDEFQDI AY SNPGL SPKQRNEMWRELEMQY I PYGCMVDEFQHL VYA NPDL TPAQRKEAWSRLEKEY LPYGACVDHFQHEI YAR PDMTPEERHALWQRLEKLY VPFGVAVDEYQHL VYA HPELTPKERTAEWKKLEAKY
UniRef90_A0A023D4E6 UniRef90_R7FW93	L P Y G A C V D H F Q H E I Y A R
UniRef90_UPI00034B8010	P W V A
UniRef90_R5B3T1 UniRef90_UPI0003812FFB	PYGCCVDEYQHTVYE NPDLTPDERTAAWKELEKKY FPWLATIDKFQHWVYE NPNHTVEERTGKWMELLEEF
UniRef90_B9KA06	ILIP WC MII VID A F Q H WII IY T N P D H T P K E R D E Y F A Y IL IM D R F N P G
UniRef90_UPI0003B46AC2 UniRef90_UPI00037BCE77	L PYGVL V D H F Q H E V Y T H P E M S H K E R M D T W R R L E K E Y L P Y G V L V D H F Q H E V Y E H P E M T P A E R K A T W K R L A D L Y L P W V A V V D Q F Q H W I Y T N P D H T T K Q R E A A W K Q L F T P F
UniRef90_R9H4Z1	LPWVAVVDQFQHWIYT NPDHTTKQREAAWKQIFTPF FPWVATIDKFQHWIYENPQHTEQERHQHWTQLFDEFNQRT
UniRef90_W8EYR1 UniRef90_H8KP43	L P W V A V D A F Q H W I Y T H P E H S V E E R N E A W I S I Y N R F G A G
UniRef90_UPI000479EE71 UniRef90_A9HSA2	V G T I P N M F R F E Q R F Y A E R Q R G P I S S D R M D E L M W E E D A R F L P Y G V C V D H F Q H E V Y A R P D M T A E Q R H A T W R R L E Q L Y
UniRef90_V4YK18	T R Q <u>V S F</u> D R F E E L_V <mark>H</mark> E T R L_ S G
UniRef90_A9NEG5 UniRef90_Q9RYV0	L P Y G A L V D H F Q H E V Y L P W A A Q M D A F Q H W L Y A E A P E D V T L A D L D A K W L E L D R T F
UniRef90_R5Z353	ILIPYGIVL VIDHFQHEII IYA HPEYSSQERMA <mark>C</mark> WRKILIEKMY
UniRef90_R2NWN8 UniRef90_R5QAD6	LPYGALVDHFQ EEIYLHPEWSAADRKNCWRELEKRY LLNTMVRFDFECAFLEQRKAG VVPAKRCVELMREAWGNW
UniRef90_D4JYA8	II IA Y G C A IVID E E Q HII IM Y Q N P DII IT P D Q R N Q T WII IE II IE H K Y
UniRef90_C2CHD4 UniRef90_UPI0003028E7F	I PYGASI DEFQEFVYE NPTATSEERRAKYRQIEKKY LPWVAVVDAFQHWLYT NPTHTTAERTKAWTELFNRF
UniRef90_UPI00035DB0A6	MILIHILISIVIRY F F F T A FILIA A R Q F Q ILI IT A A KIVIN FILIMILIF A W R K W
UniRef90_UPI00031B664E UniRef90_V5RJR8	EPYGVALDEFQHKVYE NPNLTPGERRKI WSDLERKY FYSAVSESLFEYN <mark>C</mark> FKTVEKGDTLTLEKIISLLKQSSK <u>E</u> V
UniRef90_A3ZSP5	L PYG V A V DHFQHA I FAE PEATPERR <u>H</u> A I WQEMER <u>L</u> Y
UniRef90_I0K3P5 UniRef90_B6FWB1	I I P Y C MII V I D E F Q H II I I Y K N P E I L I T P I L I E R K S E W R R I L I E K II I Y
UniRef90_J8Q5R4 UniRef90_UPI000464689E	L PVGVVI D Q F Q H W L Y E Y P N H S V E E R N Q K Y A E L L D S N V P F M V T V D E F Q H R V F E E K P D A A G R K K I W H E L E Q T Y I P Y G A L V D E F Q H E V Y R N P D I S K E K R K N I W R T L E K K Y
UniRef90_UPI000465A1DD	I PYGAL V DEFQHEVY RNPDI SKEKRKNI WRTLEKKY VMAI RASFEFEKNFYEK CKESSVSADEI EKLSI AAQEKA
UniRef90_R8KLT9 UniRef90_C2W8V4	V MAIRASFEFEKNFYEK CKESSVSADEI EKLSI AAQEKA V MAIRASFQFEQTFYEESQKG PISADKLERLSI HSQQVA LPWAAQMDAFQHWLY VDAPQDVTVDDDLNAKWLELDRLY
UniRef90_F0RKG6	L P WA A Q M D A F Q H WLY L V D A P Q D V T V D D L N A K WLELD R L Y
UniRef90_T0U4G6 UniRef90_R5FVD7	L PYGVLVDHFQQEVYE NPDWTPEQRKTCWRDLERRY I PYGVAVDEFQHVVYEK PEMTPAERLDVWKSLEKKY LPAMVI VDQFQHWMYE NPNHTLQERNDTYLKLYKTY
UniRef90_A7GPS5	L P A MV L V D Q F Q H W M Y E N P N H T L Q E R N D T Y L K L Y K T Y
UniRef90_UPI000401471A UniRef90_E8R3Q4	I P Y L V S V D E F Q H E V Y A H P D Y I A A D W K R I W H E I E Q K Y L P W I A T V D A F Q H W V Y D H P D H D R A Q R R A A W S D I M D R F N T G
UniRef90_R7ICM2	MMNVPVRYSFELEFLRER I SGKVSAER <mark>C</mark> RELMTRAWHQW
UniRef90_R6LK78 UniRef90_R7K4Z5	V P F G V A V D E F Q H L C Y A L P Y G T L V D Y F Q Q T V Y D Y Y N L T K R E R N K F W A S L E R E F
UniRef90_B3ESD4	L A W I A T I D K F Q H W V Y A N P N H T A I D R K E A W N N I F D T F T D N V
UniRef90_R6LRQ4 UniRef90_V9RAB7	MPYMACVDEFQHRVYAE NLTDAMERRKVWHELEKIY SSVQLGYSEWEYTFNEKISNNQFLDLEESAQAYSEI VKSY
UniRef90_I2F6X2	LPWCMIVDSFQQWIYTNPDHSSSERDEKFSLVFDRFNTG
UniRef90_K2F1J6 UniRef90_F2F519	SSVOLGYSEWEYTENEKISNNOFLDLEESAQAYSEIVKSY LPWCMIVDSFQQWIYTNPDHSSSERDEKFSLVFDRFNTG LPWGTVVDAFQHWIYINPNHTRKEREEYFSFLLDRF KI LFGPLSGDLFQHWMYT NPQHTAKERDEKFYEISKRY
UniRef90_UPI0003704B5B	
UniRef90_A6CJX9 UniRef90_UPI00047A1631	MPLASALDEFEHFLYEQ PEATMRERKQKWRELEASY VGI VPNMFRFEQRFYSERKQGPVSSA RIAALMQEEEAGF FTGQATGDAFQQWLY AEAPGDVTIEQIDAKWLECSERF FLSQATADAFQQWLYAEAPEDVTIAQIDAKWLECAARFER
UniRef90_UPI00036C1EF5	FTGQATGDAFQQWLY AEAPGDVTTEQLDAKWLECSERF
UniRef90_L0A2K1	<u>FILIS Q A T A D A F Q Q WILIY A E A P E DIVITII A QILI</u> D A K WI <u>LIE <mark>C</mark> A A R F E R</u>

	530 540 550 560
UniRef90_G2IEZ4 UniRef90_V5RVC7	Y G D S M N D E Y F K E A WI Y K S H Y Y Y N F Y N Y P Y A F G L L F S L G I M G E A V E M S P G A E N W W V Y W S H L R S Y F Y V Y S Y A S G V M L S K S L L
UniRef90_C9MWP1 UniRef90_R7QLG6	YGDLIEKDDLIYIFWARVPHFFNPFYVYQYAT <mark>C</mark> FASSALL YGDALSSKERVGVFSQSKLHFYLSFYNWPYSFGYLFALGV
UniRef90_F8CYC3	MPTRDYDGNDYGGFWQRQSH YTAFYY DYT L AQ <mark>C</mark> AFQF
UniRef90_K6C5M3 UniRef90_J9HAI3	LPHKDYDGNEYGGFWQRQGHIFNPFYYIDYTLAQICAFQFFPSRTYEENEYGGYWHQQLHIFYPFYYIDYGLAQVCALQF
UniRef90_F0VLU4 UniRef90_K7R104	GAEGEIVIFDSFANAEWIVIRII IPHFHQPFYIVIHAYAFSEILIAIVIGSILI
UniRef90_UPI00040E1D72	LPNRDYDGNDYGGFWQRQGHITYQPFYYIIDYTLAQI CAFQF
UniRef90_UPI0002490392 UniRef90_S9U7T7	YGPALKETGTRTQSWAYVPHFYMNYYVVQYATSWAVSTALLPYWNHEDNDYGGLWQRQGHIYRPFYYIDYALAQLCALQF
UniRef90_UPI0003651F59 UniRef90_F7YTP4	LPYWNHEDNDYGGLWQRQGHIYRPFYYIDYALAQLCALQF LPFWDQSDNLYGGYWQKQGHIYEPFYYIDYTLAQICAFQF MPELDYDGNENGGRWHRQTHLFEPFYYIDYVLAQICAFQF
UniRef90_UPI00047C1E0D UniRef90_E7RD91	EPHRDYEDNDFGGFWFRQGHFGSPFYYII DYTLAQV <mark>C</mark> AMQF Y EGQLEDLALYKWLYTSHFYDPFYNIPYTIGYLFSNGL
UniRef90_S5YX68	LPTRDYDGHDYGGFWQRQGHLYDPFYYLDYTLAQVCAFQF
UniRef90_E3ZZJ2 UniRef90_L0F8X3	LPHRDYEDNDYGYWHQQGHIFGNPFYYIDYTLAQI <mark>C</mark> AFQF
UniRef90_Q467R7 UniRef90_J2FVB9	RSRSVDYYPEDSAEWTYNHIYSNYYTFNYAVSKAITLAL LPDRNYAQNEYGGFWQQQTHLFQPFYYLDYTLAQLCAFQF
UniRef90_S8XPS8	
UniRef90_F4KXJ5 UniRef90_D3R2N1	I PHRDYADUKUGGYWEROSHI ETPEYYI DYTI AONCSUOF
UniRef90_C7PG49 UniRef90_U2SQB3	V VD WS G WE D Y K A I G W Q R Q L H F E V P F Y Y I E Y G I A Q L G A I A M L P D Y G E I D E L K G L F W F R Q G H I F T P F Y Y I D Y T L A Q V C A F Q F
UniRef90_Q0TMX7 UniRef90_UPI00037AEDD9	NYDECDELLERGGWWEOONHILELLSPEYYLDYTLAOLL <mark>C</mark> ALOE
UniRef90_Q8EWC2	I GYSDKDNGESUSUUERUEHEYDGEYVVKYSUGMVVGUUS
UniRef90_E7NRE4 UniRef90_P47429	Q G P E V V A N K L K K T Q Y Q K I P H F Y G N F Y V Y K Y A I G Q V A G I L V
UniRef90_S6FM32 UniRef90_R6V655	LIPYKDYSENLIFGTYWFKQGHIIFEPFYYIIDYTLIAEII CALIQF KPHQDYAFYAKGCYWQRQHHIIYYPFYYIIDYVIAQLCAFEY
UniRef90_UPI00034C6664 UniRef90_Q7NDT6	I PWRQYGDPAQGGI WQFKQHI Y <mark>C</mark> PFYYI DYTI AI <mark>CC</mark> AMQF
UniRef90_D2QDU1 UniRef90_A0A023BD98	L P W R D Y G D L A Y P V T W Q L Q R H I Y S P F Y Y I D Y T L A G C C A L Q F V T N W N G F A F Y Q E Y L W Q R Q L H L Y E P F Y Y I E Y G I A Q L G A I G V Y G E E G E I F T S Y A D M W S Y V P H F H E P F Y V Y S Y A F A D L T V G S L
UniRef90_V2XLT8	KPHILIDYSGNEYGGFWQKQRHII IYDPFYYII IDYIVLIAQI <u>N</u> AFQY
UniRef90_F7KL49 UniRef90_A0A023D4E6	K P H L D Y E G D E F G G Y W Q Q Q H H I Y F P F Y Y I D Y V I A Q T V A F E Y M P W R N W G D P G K G G R W Q A Q M H I Y R P F Y Y I D Y T L A L C C A L Q L
UniRef90_R7FW93 UniRef90_UPI00034B8010	MPWRDYDGMEFGWWYHKIHIFLYPFYYINYTLTTMGAMEF _TDWSGLEKAKSYLWQKQLHLYEPFYYIEYGMAQLGAVAV
UniRef90_R5B3T1 UniRef90_UPI0003812FFB	L P D R D Y D G V E I G G F W M Q K L H I F T P F Y Y I D Y T L A S M G A F E F
UniRef90_B9KA06	
UniRef90_UPI0003B46AC2 UniRef90_UPI00037BCE77	LPHKNYEEVEIGGWWMRQAHI FMPFYYI DYTLAQVCAMQF LPDRDYSESDFGGFWFRQGHI FSPFYYI DYTLAQVCALQF
UniRef90_R9H4Z1 UniRef90_W8EYR1	LPDRDYSESDEGGEWFRQGHIFSPFYYIDYTLAQVCALQEFADWSDHEEALENLWQKQLHIFEPFYYIEYGMAQLGAIAVVSWQSLEQVKPYLWQKQLHLYEPFYYIEYAMAQLGAIAV
UniRef90_H8KP43 UniRef90_UPI000479EE71	FVDWTGYEEAKTNLWQKQLHFEVPFYYIEYAITAQLGAIAV YGD VLAEPTPYKWLYVGHFYDPFYNIPYTVGYLLSNQL
UniRef90_A9HSA2	MPWRDYGDPAMGGRWQAQGHII YRPFYY I DYI L A L <mark>CC</mark> AMQF
UniRef90_V4YK18 UniRef90_A9NEG5	F G D G D V F D D Y A G I E W S T V H H F T K P F Y V Y S Y A L A D L L V S L L Q P W K L Y E E V G E G L F W F R Q G H L F Q P F Y Y I D Y T L A Q V L A F D F
UniRef90_Q9RYV0 UniRef90_R5Z353	HPDWSGLDEVRAKGWHYYHIFQVPFYYIEYAMCYLAAVAI LPHKDYPFLEQGGWWMRQLHIFMPFYYIDYTLAQVCALQF
UniRef90_R2NWN8 UniRef90_R5QAD6	CPERDYQSSEHGIYWYRQGHIFEPFYYIDYTLAQV <mark>C</mark> ALQF YGD <u>S</u> TEGADD YLWAYKLHFYKTLYNYPYTVGYLLSSGL
UniRef90_D4JYA8	RPWIDFPFYGRGAGWQRQLHIYCPFYYIDYCLSTMAALQF LPHLDYDGNEYGGRWQRQLHVYDPFYYIDYTIAQINAFQY
UniRef90_C2CHD4 UniRef90_UPI0003028E7F	FVDWTDHOFALENLWOKOLHIJEFPFYYLEYALAOLGALAM
UniRef90_UPI00035DB0A6 UniRef90_UPI00031B664E	LPNKDYDGI I HGSFWHRQGHVFSPFYYI DYTLATI CAMQF
UniRef90_V5RJR8 UniRef90_A3ZSP5	LGES[]YNDEVTEYGWTS[]SHIFQPFY[]KYAVS[AVSFKLLPDTNYGDMPHGGRWQQKRHIYMPFYYIDYTLAQ <mark>CC</mark> ALQF
UniRef90_I0K3P5 UniRef90_B6FWB1	QTDWSGLEHYKEYIWQKQLHLYEPFYYIEYGIAQLGAIGV TPWKDYDKNEKGCWWFKQGHIFNPFYYIDYALAEVCALQI FVDWSGFEKWRELAWLGVLHIFEPFYYIEYVIAQLGAVQM
UniRef90_J8Q5R4	FVD WS G F E K WR E LA WLGVLHI F E P F Y Y I E YV I A QLGAVQM
UniRef90_UPI000464689E UniRef90_UPI000465A1DD	MPWRDYFFEAGGYWMQRQHIFINPFYYVDYALAQMGAFHF LPHRDYSACDFGGWWYKQGHIFNPFYYIDYALAQVCALQM
UniRef90_R8KLT9 UniRef90_C2W8V4	Y G N A II IS F Y O P F IV IW M K Y IV IO F Y II IP F Y N Y P Y T F G Y II IA S F S II
UniRef90_F0RKG6 UniRef90_T0U4G6	YGNS LTEYQPFVWMKYGQFYTPFYNYPYTFGYLLSLGL HPNWDGLDETVRAGWHYYHIFQVPFYYIEYAMCYLAAVSL CPERDYPDLDRGLYWFRQGHIFEPFYYIDYTLAQVCAFQF
UniRef90_R5FVD7	RPYLDIPFIGEGER WQYQMHIYEPFYYIDYTLAQTVALGF
UniRef90_A7GPS5 UniRef90_UPI000401471A	RPYLDIPFIGEGRRWQYQMHIYEPFYYIDYTLAQTVALGFQSSVVNIEHWISTGWLPILHIFEPFYYVEYALAQIGALNMMPWRDYDGNEFGGFWMQKQHIFYPFYYIEYAMSAICAFQY
UniRef90_E8R3Q4 UniRef90_R7ICM2	Y G E S A L P D V S L WAY K L H Y Y K T L Y N Y P Y T V G F L L S Q L L
UniRef90_R6LK78 UniRef90_R7K4Z5	MPWRRYENDPFGYWYHKILIHII IYILIYPFYYII INYTILITTMGAMEF
UniRef90_B3ESD4	T C WD N Y E E A K D F IL IWQ K QIL IH F E IVIP F Y Y II IE Y GII IA QIL IG A II IGIVI
UniRef90_R6LRQ4 UniRef90_V9RAB7	LPWRDYDGNEFGGFWMQKQHFMCPFYYLDYAVSRVGALEY LGESSTENPDSWYRIFSIPHFYSGLYVYKYAVGMLTSVLL
UniRef90_I2F6X2 UniRef90_K2F1J6	VD WT GLEEEKKIRWLLQPHIFNPFYYIEYGIAQLGALAV GGDWTGLEKEKAMRWVLQLHUFYPFYYIEYVIAQLGALAI
UniRef90_F2F519 UniRef90_UPI0003704B5B	VD WT GLEEEKKIRWLLQPHIFNPFYYIEYGIAQLGALAVGGDWTGLEKEKAMRWVLQLHIFYPFYYIEYVLAQLGALAVGGDTTGFEEVIGMSWIGTLHFQYPFYDIEYSMSMLGALQLVNWEGYESWLETKWLSILHIFEAPFYYIEYAIAQIGALQM
UniRef90_A6CJX9	QPELDYDGNEYGAFHGIIPHIIYFSPFYFIIDYDIIAHII LIAIVIQILI
UniRef90_UPI00047A1631 UniRef90_UPI00036C1EF5	Y G N L L D E A A P F K WILY V S H F Y D A F Y NI P Y T I G Y L L S N Q L D V D W R G L E D V R A K G W Q F V H I F A I P L Y L L E Y S L A W M G A L Q V G V D T H G L D R E R A K G W Q F V H V F A Y P L Y M L E Y S L A W I G A L Q L
UniRef90_L0A2K1	GVIDTHGLIDRERAKGWQFVHVFAYPLIYMLEYSLIAWI IGALQLI

UniRef90_V5RVC7 KNMVGDDLSFVQKVKKFLSMGTSVSPRESFEELGINIUniRef90_C9MWP1 YEKMENEKKQTLDKYLQLLSSGGNDFPMEQLKKAGVDL	T D S
UniRef90_V5RVC7 UniRef90_C9MWP1 UniRef90_R7QLG6 UniRef90_F8CYC3 UniRef90_BCYC3 UniRef90_J9HAI3 UniRef90_F0VLU4 UniRef90_F0VLU4 UniRef90_UP100040E1D72 UniRef90_UP10002490392 UniRef90_UP10002490392 UniRef90_UP10002490392 UniRef90_UP10003651F59 UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_E7RD91 UniRef90_E5XZJ22 UniRef90_E5XZJ22 UNIREF90_UP18X3 WK N MVUGDDLSFVQKVK K F L S M G T S V S P R E S F E E L G I N I V E K A G G S N D F P M E Q L K K A G V D L L S G G S N D F P M E Q L K K A G V D L L R D T G R M N A E AV V K H L H S R L L R D T G R M N A E AV V K H L H L C Q G S K S F T G L V E L A N L L L R D T G R M N A E AV V K L A N L L L R D T G R M N A E AV V K L A N L L L R D T G R M N A E AV V K L A N L L L R D T G R M N A E AV V D V K L C K L G G S R S F T G L V E L A N L L L R D T G R G G S R S F T G L V E V A G L L R D T G R G G S R S F T G L V E V A G L L R D T G R G G S R S F T G L V E V A G L L R D T G R G G S R S F T G L V E V A G L L R D T G R G G S R S F T G L V E V A G L L R D T G R G G S R S	ASD SE T S KQ
UniRef90_R8CYC3 UniRef90_J9HAI3 UniRef90_J9HAI3 UniRef90_K6C5M3 UniRef90_J9HAI3 UniRef90_K7R104 UniRef90_UP100040E1D72 UniRef90_UP10002490392 UniRef90_UP10003651F59 UniRef90_UP10003651F59 UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_S9YX68 UniRef90_SSYX68 UniRef90_SSYX68 UniRef90_UP200047C1E0D UNIREF90_UP2000440E1D72 UNIREF90_UP2000440E1D72 UNIREF90_UP2000440E1D72 UNIREF90_UP2000440E1D72 UNIREF90_UP2000440E1D72 UNIREF90_UP2000440E1D72 UNIREF90_UP2000440E1D72 UNIREF90_UP2000440E1D72 UNIREF90_UP2000440E1D72 UNIREF90_UP2000440E1D72 UNIREF90_UP2000440E1D72 UNIREF90_UP2000440E1D72 UNIREF90_UP2000440E1D72 UNIREF90_UP2000440E1D72 UNIREF90_UP2000440E1D72 UNIREF90_UP2000440E1D72	DE SES TD SKQ
UniRef90_F0VLU4 UniRef90_K7R104 UniRef90_UPl00040E1D72 UniRef90_UPl0002490392 UniRef90_UPl0002490392 UniRef90_UPl0003651F59 UniRef90_UPl00047C1E0D UniRef90_UPl00047C1E0D UniRef90_UPl00047C1E0D UniRef90_S5YX68 UniRef90_S5XX68 UniRef90_S3ZZJ2 UniRef90_UPL00047C1E0D UniRef90_UPL00047C1E0D UniRef90_UPL00047C1E0D UNIREF90_UPL000490392 UNIREF90_UPL00047C1E0D UNIREF90_UPL000490392 UNIREF90	SS TD SKQ
UniRef90_F0VLU4 UniRef90_K7R104 UniRef90_UPl00040E1D72 UniRef90_UPl0002490392 UniRef90_UPl0002490392 UniRef90_UPl0003651F59 UniRef90_UPl0003651F59 UniRef90_UPl00047C1E0D UniRef90_UPl00047C1E0D UniRef90_UPl00047C1E0D UniRef90_S5YX68 UniRef90_S5XX68 UniRef90_S5XX68 UNIREF90_UPL00037C1 UNIREF90_UPL00047C1E0D UNIREF90_UPL00	T D S S K Q
UniRef90_F0VLU4 UniRef90_K7R104 UniRef90_UPl00040E1D72 UniRef90_UPl0002490392 UniRef90_UPl0002490392 UniRef90_UPl0003651F59 UniRef90_UPl000047C1E0D UniRef90_UPl000047C1E0D UniRef90_UPl000047C1E0D UniRef90_E7YTP4 UniRef90_UPl000047C1E0D UniRef90_E7XD91 UniRef90_E7XD91 UniRef90_E3ZZJ2 UniRef90_E3ZZJ2 UniRef90_UPRSX3 WK K S R E D E K LA W S D Y L R S G N K K S F E E I MT P F G L D P L D P L R S G N K K S F E E I MT P F G L D P L D P L R S G N K K S F E E I MT P F G L D P L A R F G F D L D L A R F G F D L D L A R F G F D L D L A R F G F D L D L A R F G F D L D L A R F G F T L A R R F G F D L A R F T L A R R T T T	T D S S K Q
UniRef90_UP100040E1D72 UniRef90_UP10002490392 UniRef90_UP10003651F59 UniRef90_UP10003651F59 UniRef90_UP10003651F59 UniRef90_UP10003651F59 UniRef90_UP100047C1E0D UniRef90_UP100047C1E0D UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_E7RD91 UniRef90_E7RD91 UNIREf90_E7RD91 UNIREf90_E7RD91 UNIREf90_E7RD91 UNIREF	T D S S K Q
UniRef90_UPI0002490392 UniRef90_S9U7T7 UniRef90_UPI0003651F59 UniRef90_UPI0003651F59 UniRef90_UPI00047C1E0D UniRef90_UPI00047C1E0D UniRef90_E3ZZJ2 UniRef90_E3ZZJ2 UNIREf90_UPI00047C1E0D UNIREf90_UPI00047C1ED UNIREf90_UPI00047C1ED UNIREf90_UPI00047C1ED UNIREf90_UPI00047C1ED U	Q
UniRef90_S5YX68 WKRAQDDRAAAWRDYVALCRLGGSRPFTELVQCANL UniRef90_E3ZZJ2 UniRef90_L0E8X3 WKKSREDEKIJAWQDYIJGIJCKVJGGSIJSEIDIJVKIJGNI	Q
UniRef90_S5YX68 WKRAQDDRAAAWRDYVALCRLGGSRPFTELVQCANL UniRef90_E3ZZJ2 UniRef90_L0E8X3 WKKSREDEKIJAWQDYIJGIJCKVJGGSIJSEIDIJVKIJGNI	Q
UniRef90_S5YX68 WKRAQDDRAAAWRDYVALCRLGGSRPFTELVQCANL UniRef90_E3ZZJ2 UniRef90_L0E8X3 WKKSREDEKIJAWQDYIJGIJCKVJGGSIJSEIDIJVKIJGNI	Q
UniRef90_E3ZZJ2 UniRef90_L0E8X3 WKKSREDEKIJAWODYIJGIJ <mark>C</mark> KVJGGSIJSEIJDIJVKIJGNIJ	
UniRef90_E3ZZJ2 UniRef90_L0E8X3 WKKSREDEKIJAWODYIJGIJ <mark>C</mark> KVJGGSIJSEIJDIJVKIJGNIJ	
UniRef90_Q467R7 FKQYREDPDAFNKKYIAYLSAGSTMPPEEKLKEFGIKI	D
UniRef90_J2FVB9 WKRAQSEPKQAWEDYLTLCREGGSKSFLELVQVAKL	
UniRef90_S8XPS8 UniRef90_F4KXJ5 WK WD Q Q D H A S A WE S Y V R L C K A G G S K S F L E L V D L A G I N	
UniRef90_F4KXJ5 WK WD Q Q D H A S A WE S Y VR L C K A G G S K S F L E L V D L A G I N UniRef90_D3R2N1 WH K G L T N M K A A W Q D Y M R L C D L G G S K S F A Q L V N A A G L UniRef90 C7PG49 WK Q F K E N K Q Q A L D N Y V N A L S L G S T R T L P E L Y K A A G I K F	D C
UniRef90_U2SQB3 WI_K S R E N R E K A WE E Y L N L C R L G G S K P F F E L M K A A N L	D S
UniRef90_Q0TMX7 WKKDRENHEKAWEDYLNLCNIGGTKTFLGLLKYANL	
UniRef90_C7PG49 UniRef90_U2SQB3 WK Q F K E N K Q Q A L D N Y V N A L S L G S T R T L P E L Y K A A G L K F UniRef90_Q0TMX7 UniRef90_UP100037AEDD9 WK K D R E N H E K A WE D Y L N L C N I G G T K T F L G L L K Y A N L UniRef90_UP100037AEDD9 WK R T Q D H D E N A WA D Y L R L C D L G G S K S F L Q L V D A A N L UniRef90_B2FNRE4 WV R S Q Q N H D S A W K D Y L R L C K A G G S M P F L Q L V E Y A N L UniRef90_D474030	ΤТ
UniRef90_E7NRE4 WVRSQQNHDSAWKDYLRLCKAGGSMPFLQLVEYANLUniRef90_P47429 AKKINSGDKKMKDNYFKFLSSGSSLAPLETIKLLGIDL	тс
Ullike 90 F47429	۱ ۵
UniRef90_S6FM32 WKKMKEDKDLAWKDYLSLCKEGGTKSFLELVKLANLNUniRef90_R6V655 KKGGTKSFLELVKLANLNUNIRef90_R6V656 WKKMKEDKDLAWKDYLSLCCKLANLNUNIREF90_R6V656 WKKMKEDKDE AND EDAMED A WORLD A DECEMBER OF A DECEMBE	
UniRef90_UP100034C6664 WL K S E A N F E D A L T E Y I A L C Q R G G Q A P F Q E L V S S A N L UniRef90_Q7NDT6 WA K A Q S D Y A G A L A D Y V A L C R R G G E A P F Q E L V R S A G L	
UniRef90_D2QDU1	DS
UniRef90_A0A023BD98	4 3
UniRef90_F7KL49 KIL WMDEDFEAAWKSYLKIL CRLSAADFFNNMIKEVGLKL	
UniRef90_A0A023D4E6 WL_G S R V D R K G T M E T Y K A L C A A G G S K P F T E L L A E A G L UniRef90_R7FW93 K K K M H E D K T S A W N D Y M N L C K V G G S K S Y L E T L A Y A N L D P	FΚ
	0 0
UniRef90_R5B3T1 F G R M Q E N R E Q A WK D Y Y T L C C A G G S L P Y L S L L K L A H L N P UniRef90 UPI0003812FFB WK Q F K R S K E Q A L L N Y I N A L S L G G T K T L P G L Y E T A G L E F	r E N S
UniRef90_UPI0003812FFB WKQFKRSKEQALLNYINALSLGGTKTLPGLYETAGLEFUniRef90_BBK006 YRNYIEDPEKTLKDYQRFLSVGCSMPVDEVYKTAGIEL	FS PF
UniRef90 UPI00037BCE77 WKRTQVDHDAAWEDYLRI CDI GGSKSFLOI VEAANISP	F K
UniRef90_R9H4Z1	
UniRef90_W8EYR1	F S
UniRef90_H8KP43 WRNYKENPEKALDNYLSALKLGYTKPI GEI YKTAGI PF UniRef90_UPI000479E71 YASVKQSKAAFTSQFEPLLRDSGQASI EELI RHLGGDP UniRef90_A9HSA2 WLRSRTDQDGAMAVYTDLCTLGGSQPFTGLVAAAGL	Q S
UniRef90_A9HSA2 WLRSRTDQDGAMAVYTDLCTLGGSQPFTGLVAAAGL UniRef90_V4YK18 AARTQNDGSDFEEKFISFLQAGDTADLETALRPFGLDP UniRef90_A9NEG5 WGHNQKDPKKTWERYLELCKMGGQYSFVRLLNEAKL	ΤТ
UniRef90_A9NEG5 WGHNQKDPKKTWERYLELCKMGGQYSFVRLLNEAKL UniRef90_Q9RYV0 WRAARQDPAAALGRYKD <u>AL</u> RLGNTVSVPELYR <u>A</u> AG <u>A</u> E <u>F</u>	ΡD
UniRef90_R5Z353 WS R F E K K D S Q A F S D Y Q K I C S I G G K Y P F R Q V V E L A G L K V	ΝD
UniRef90 R5Z353 WSRFEKKDSQAFSDYQKICSIGGKYPFRQVVELAGGUKV UniRef90 R2NWN8 WQRIVEQDPTTWEDYLALCRIGGSKTFLETVQLGHL UniRef90 R5QAD6 LAELDKRGPDFMPFYRAMLRDTGRDTVDGIVRHCGADA	ΔΝ
UNIRE190_D4JYA8 F L_IS L]HDQKDAWARY L R L <u>V</u> R_AGI <u>A</u> SYIE L <mark>C</mark> EI <u>A</u> G L QP	FN
UniRef90_C2CHD4	F S
UNIRE190_UP100035DB0A6 <u>LIG</u> EFKAMGAKFII_IGIV]Y <u>KEFIL</u> R <u>D</u> UGRMSIVIEAILLIKK <u>FDK</u> DIVI	ΤĶ
IUniRet90 V5R.IR8 YEDEKKIND YINILISYIIKDGGSMKIIIDIIEKKYGEDP	N F
UniRef90_A3ZSP5 WVRSERDFATAMQDYVDLCKRGGTMPFSGLVDSAGLNP	FK
UniRet90 B6FWB1 WSDMFFDYDRIVINSYMFILI <mark>CKDAGKRSFIVIFIIVIFKGNI</mark> II	
UniRef90_J8Q5R4 YRQYKENKNQTLTNYKEAMALGSSKSLAEVYEKAGIRF	DS
UniRef90 J8Q5R4	г <mark>С</mark> F E
UniRef90_R8KLT9 LEMAQETKSTFHSKYKEFLRETGKAPVEELMKHFEIDI	ΤŚ
UniRef90_C2W8V4 LELAKQDGSKFHPKYKGFLSETGKRPVEELVKQFHILEL UniRef90_F0RKG6 WRGAQADPTAALERYKAALRLGSTRPVPELYAAAGAEF	ע א R D
UniRef90_T0U4G6 WY R VA Q D P T A WQ D Y L A C Q V G G T Q T F L E I L E T A H L R P	FĒ
UniRef90_R8KLT9 UniRef90_C2W8V4 UniRef90_F0RKG6 UniRef90_T0U4G6 UniRef90_T0U4G6 UniRef90_T0U4G6 UniRef90_R8FVD7	r G D S
UniRef90_UPI000401471A Y G R M K E D R Q K A WN D Y L S L C R A G G T K G Y L E L L K L G N L	D. C
UniRef90_E8R3Q4	S D
UniRef90_R6LK78 KKKYAEDKAAAWQDYLNLCKVGGSRSYLETLRYANLDP	FĒ
UNINE BU DESD4 WKN I KN I KN I FA E ALLIGIN HEID ALLIGIT I G FILIF I WITK WAG I G F	טט
UniRef90_R6LRQ4 Y G K M Q E D L E G A W K D Y Y A L C S Q G G S K G Y H E L L R I G N L D P	F K
UniRef90 R6LRQ4 Y G K M Q E D L E G A W K D Y Y A L C S Q G G S K G Y H E L L R I G N L D P UniRef90 V9RAB7 S E R I M N E R E K A L S D Y F K F L S A G N S L S N L E L L N S L S V N L UniRef90 12F6X2 Y R N Y R Q N G S K A I K D Y K K F L S M G Y S R P L D E L F E S A G I K F	∟JQ D F
UniRef90 K2F1J6 FKNYSILIDKTKTILIFQYKFFILIKILIGYSKPIVISGILIYSAAGILIPF	DS
UniRef90_F2F519 LENYQKNPQQAVEFYKKGASADYSQSII AAII YKETGIVDF	D
UniRef90_A6CJX9 WE WA Q K D S E A A WK T Y L D M C R A G G S H S L K E H I E A A G L	-
UniRef90_UPI00047A1631	ES AD
UniRef90_L0A2K1 WRGAQHNPALALERYKAALALGGTCPLPELFEAAGARF	ΑĎ

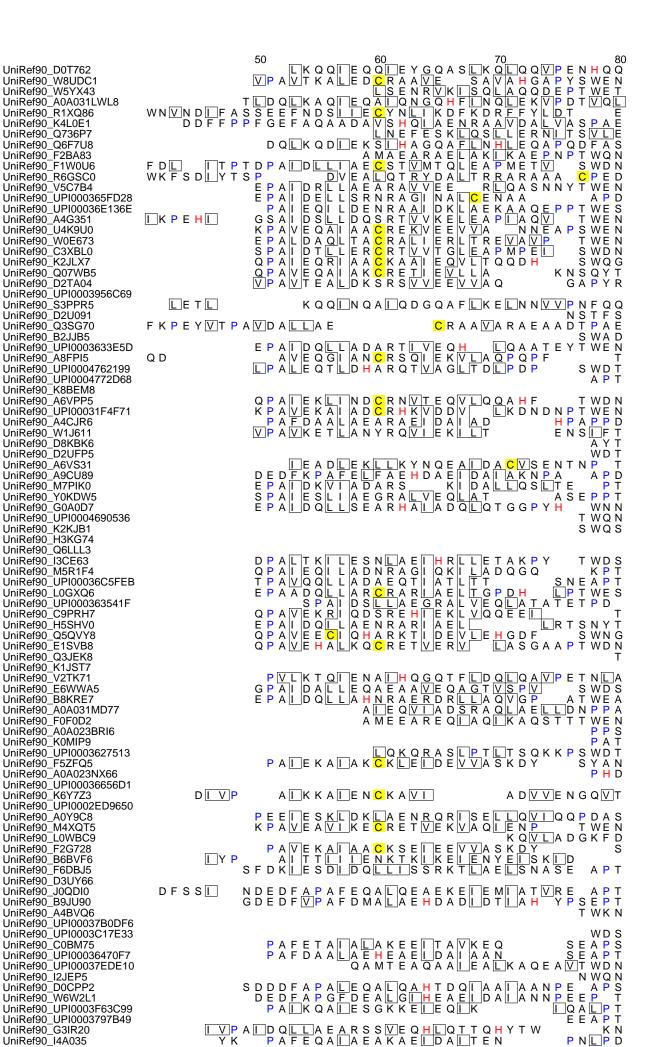
```
610
E D F F R K S I E L L K N K Y Y K Y K D L V
K G F WM K G L E E L D S M V T E A E E L A R K L
I E T I E A V A K Q F D L L L D K L E V E I G K L
D Q F W L N A I A V A E R K L I Q L E E V A S K L
I S P F Q D G C
V Q A V A G E M E R W L N S V D D S
L S P F E D G C
V E S V V G V I E N W L N S V D D N
E S F W A D A M K A T G G A V D Q A E A L A A E L D
P A F W R K A L G V L E E K V E A L A R M V
I S P F E E G C
V E S V I G D I E N W L N S I N D
D E Y L K Q A F A V F E K R L D Q M E D L L K
M S P F E N G C
I A S V I G D I E N W L N S I D D S
S P F E E E T I K K V A E K V
R N P F E E G C
R E F W H A S Q Q P L K D A I D E Y M R L T E K
S S F A D G A V A S V A G H I
E R W L D S V D D
                                                                                                                                                                                                                                                                                 610
UniRef90_G2IEZ4
UniRef90_V5RVC7
UniRef90_C9MWP1
UniRef90_R7QLG6
UniRef90_F8CYC3
UniRef90_F8CYC3
UniRef90_K6C5M3
UniRef90_J9HAI3
UniRef90_F0VLU4
UniRef90_K7R104
UniRef90_UPI00040E1D72
UniRef90_UPI0002490392
UniRef90_S9U7T7
UniRef90_UPI0003651F59
UniRef90_F7YTP4
UniRef90_UPI00047C1E0D
UniRef90_UPI00047C1E0D
UniRef90_E7RD91
UniRef90_S5YX68
UniRef90_E3ZZJ2
UniRef90_L0F8X3
                                                                                                                                                        VS P F Q D G C V Q S V I G T I E R Q L F E D A M D V V E L R I Q E L Y Y S P F E D D C I P S V I G E I E
                                                                                                                                                                                                                                                                                                                                                                                                               E WL N E
K L A R E
Q F L N S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               V D D
R E
I D D
 UniRef90_Q467R7
UniRef90_J2FVB9
UniRef90_S8XPS8
UniRef90_F4KXJ5
UniRef90_D3R2N1
UniRef90_C7PG49
                                                                                                                                                                         SPFQKGC
                                                                                                                                                                                                                                                                                           VEAVAQEISNWLESIDDS
                                                                                                                                                        P A Y V Q E L A A F V Q A E I E K V S E
K N P F T E G T I A S V I P K I R E F L D S I D D
K S P F E N G C V E S V V G V V D E Y L E S I D D S
Q S P F K E G A L E A T I S A A T D Y L D S I D D T
S K P W E D V N K I V E K W I K E Y K E L I K
K N P F A A G C I A S I T P A C K E F L H S I D D T
P Q P W Q E A H N E V K R W L K I V K Q S F K K L Q K
S P F K E G C M E N I I N D I D K Y L Y N I E D
R S P F E E G C M K E I V D K L K K K K I N
UniRef90_C7PG49
UniRef90_U2SQB3
UniRef90_UPI00037AEDD9
UniRef90_UPI00037AEDD9
UniRef90_E7NRE4
UniRef90_E7NRE4
UniRef90_S6FM32
UniRef90_S6FM32
UniRef90_UPI00034C6664
UniRef90_UPI00034C6664
UniRef90_UPI00034C6664
UniRef90_UPI00034C6664
UniRef90_D2QDU1
UniRef90_A0A023BD98
UniRef90_V2XLT8
UniRef90_F7KL49
UniRef90_A0A023D4E6
UniRef90_R7FW93
                                                                                                                                                     QEHIRELMGFVWEEIEKL
PEFWTAAFDYLQPMLEQAEKLASALQAS
RSPFEDG
PFEEGC LKEMAGKLEKKLTK
VSPFEPGA IVEVVQEAEAVL
REYIRELMAFVKEELLEKL
EGTVQRAIAPLVKALGEIDDM
PDYIKALMDFVNE
RDYIREIVDFVAKQIEEIEKL
EGCLAQVTGSVSQWLDEIEELTA
EGALEATVKAAANDWLNAIDD
AEYVHELATFIKAELDLLEA
TEYLRTLADFVRDEMAKL
KEYVHELMQFVKSELSKLD
VAFWQQSLTPLRDSIVLYLKETDSL
ASPFEPG TLADIVQEAERVLQ
PSFWRDAIGMLGTAVERAERLASEL
PNPFIDG TLEELLKPVNAYLSSIDDS
REYURGLMGFLKEQL
PFQAGC LVEVMKEVETWLAQFDQN
UniRef90_A0A023D4E6
UniRef90_R7FW93
UniRef90_UPI00034B8010
UniRef90_R5B3T1
UniRef90_UPI0003812FFB
UniRef90_UPI0003B46AC2
UniRef90_UPI0003B46AC2
UniRef90_UPI000378CE77
UniRef90_R9H4Z1
UniRef90_W8EYR1
UniRef90_H8KP43
UniRef90_UPI000479EE71
UniRef90_A9HSA2
UniRef90_UPI000479EF71
UniRef90_A9HSA2
UniRef90_V4YK18
UniRef90_Q9RYV0
UniRef90_R5Z353
UniRef90_R5Z353
UniRef90_R5QAD6
UniRef90_D4JYA8
UniRef90_UPI0003028E7F
UniRef90_UPI00033DB0A6
UniRef90_UPI00031B664E
UniRef90_UPI00031B664E
UniRef90_UPI00035DB0A6
UniRef90_UPI00031B664E
UniRef90_UPI00031B664E
UniRef90_UPI000465AE
UniRef90_IOK3P5
UniRef90_IOK3P5
UniRef90_UPI000465AIDD
UniRef90_UPI000465AIDD
UniRef90_UPI000465AIDD
UniRef90_UPI000465AIDD
UniRef90_UPI000465AIDD
UniRef90_UPI000465AIDD
UniRef90_FORKG6
UniRef90_FORKG6
UniRef90_TOU4G6
UniRef90_TOU4G6
UniRef90_R5FVD7
UniRef90_R5FVD7
UniRef90_R5FVD7
UniRef90_R5FVD7
UniRef90_R5FVD7
UniRef90_R7ICM2
UniRef90_R7ICM2
UniRef90_R6LRQ4
UniRef90_R6LRQ4
UniRef90_R6LRQ4
UniRef90_R6LRQ4
UniRef90_V9RAB7
                                                                                                                                                                 PAFWETAMQAPLAAVKAFAALSSK
OGSIKAIAQQMSQWIAE
SSPFQEG TIEEIIPKLTKYLDSLDK
ATYIKELMDFVKLELEKLED
EFWLLCIDNALSYAQEFKRLETEL
(E
KAY
OGSLKEVVQQAREYLK
(SPFEKGC
EMIKELVEFLETELTLEQ
ETIRGIMEFLQSKL
(NALTKIINSVKFYLD
(YEFWDKAFKQISKDIDEYLQLT
NKFWEKSLLQINKDIGEYLELVQK
(SPKEKSLLQINKDIGEYLELVQK
(SQLKEVQROK)
                                                                                                                                                           D
                                                                                                                                                           A C K E P K K E E K Y
                                                                                                                                                      PRTIGPLMATIQDELAKL
PQFWQTAMKGLAGSLEAFRQY
AGSVERACGYAEEIL
KSPFNE EAFIEVVDEMKKILQ
KAHIQSLVSFLKQEWEQ
EGTIYNVLKKLN
SQDYKRIHQVFKGWLREYEMLGKEL
SEYLLELVRFVESEL
IEHIRQLIDFVRSELK
DFSESTVKRMGEFLEKVIQ
 UniRef90_R6LRQ4
UniRef90_V9RAB7
UniRef90_I2F6X2
UniRef90_I2F6X2
UniRef90_K2F1J6
UniRef90_F2F519
UniRef90_UPI0003704B5B
UniRef90_UPI00047A1631
UniRef90_UPI00036C1EF5
                                                                                                                                                        RSPFEEG SLSQIFTSVEKWLNK
DAFWQDALEPLRSAIELYLQETAGL
AETMRGLMALLEEQLE
EATLRELMGFVEEQL
```

```
1
                                                                                                  UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
                                                                                                                                                                                                                                           MTLEKATLPVPDFSQI
                                                                                                                                                                                                                                                                                                                                                                                            Y S
 UniRef90_R1XQ86
 UniRef90_K4L0E1
UniRef90_Q736P7
                                                                                                                                                                                                                                    T M T L E K A T L P V P Q F D Q I Q L
 UniRef90_Q6F7U8
 UniRef90_F2BA83
 UniRef90_F1W0U6
                                                                                                                                                                                                                                           MTTSIAANPLLDFSDLP
                                                                                                                                                                                                                                                                                 N E N
A E S T L P L F S Q I K P E Y V
E L P T F S A I K P E N V
 UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
 UniRef90_UPI00036E136E
                                                                                                       MSNPLLTTDLPPFSEI KPEHV
MSNPLETQTLPAFSRI GPEHV
LPRFDEI RPEHI
LPPFSAI KPEHI
SAELPEFSKI KPEHI
SAELPEFSKI KPEHI
 UniRef90_A4G351
 UniRef90_U4K9U0
 UniRef90_W0E673
 UniRef90_C3XBL0
 UniRef90_K2JLX7
 UniRef90 Q07WB5
 UniRef90_D2TA04
 UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
                                                                                                                                                                                                                                           MNLELATLPTPQFDQLE
                                                                                                                                                                                                                           VAMNTPKGSNPLLDFSGLPRFAE
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_A8FPI5
                                                                                                                                                                                                                                           S A L P L F S Q I K P E H V M S N P L L T S A L P P F S K I K P E H I M L Q G A T T D L P L F E A L K P E H V
UniRef90_A8FPIS
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
LIDIBAGO0_W/1 I611
                                                                                                                                                                                                                                           MSNPLNLTDLPHFSELKPEHV
UniRef90_W1J611
UniRef90_D8KBK6
                                                                                                                                                                                                                                           MTNPLLTSSLPKFAELEPKHV
 UniRef90_D2UFP5
                                                                                                                                                                                                                                                                                         ATSLPNFNDIDVAN
 UniRef90_A6VS31
 UniRef90_A9CU89
                                                                                                                                                                                                                                           L P P F S E I R P E H V L P K F N E V K P E H I M T N P L E S T E L P Q F S R I L P E H V
 UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
 UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
                                                                                                                                                                                                                                         T L P Q F S Q I L P P F S A I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I L P A F S Q I 
                                                                                                                                                                                                                                                                                                                                                     Q | K P E E A P E E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P E C P 
 UniRef90_I3CE63
 UniRef90_M5R1F4
 UniRef90_UPI00036C5FEB
 UniRef90_L0GXQ6
 UniRef90_UPI000363541F
 UniRef90_C9PRH7
 UniRef90 H5SHV0
 UniRef90_Q5QVY8
 UniRef90_E1SVB8
 UniRef90 Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
                                                                                                                                                                                                                                   S M T L Q Q A L L P T P D F S N I E L
L P R F S E V R P E H I
E T T A L P A F T Q I L P E H V
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UPI00036656D1
UniRef90_K6Y773
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
                                                                                                                                                                                                                                           MNALENVSGLPLFSQLDTQ
 UniRef90_A0Y9C8
                                                                                                                                                                                                                                                                                                              LPAFSQIKPEHI
 UniRef90_M4XQT5
 UniRef90_L0WBC9
 UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
                                                                                                                                                                                                                                                                                                              LPIFDEIKAEH
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
 UniRef90_UPI0003C17E33
 UniRef90_C0BM75
 UniRef90_UPI00036470F7
```

UniRef90_UP100037EDE10 UniRef90_12JEP5 UniRef90_D0CPP2 UniRef90_W6W2L1 UniRef90_UP10003F63C99 UniRef90_UP10003797B49 UniRef90_G3IR20

UniRef90_I4A035

T L P M F S Q I K P E H Q T P P F E Q I K L E D



```
QLHLLEQVD
LAQPMQATE
QLNVLDQIVE
QLNVLDQIVE
QLNVLDQIVE
QLLEVFKNALE
PMACLRADL
QRKTIEQLD
TVEPLDQRAD
LESWLFDQLT
TVEPLDQRAD
LIEPLBAELVT
LIEPLBAELVT
WKDLVAPLEAEVT
VCAPLBAELVT
VCAPLBAELT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q6F7U8
UniRef90_P2BA83
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UP1000365FD28
UniRef90_UP100036E136E
  UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90_R2JLX7
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPl0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_D2U05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              QALL
QVML
NANL
GENL
NACL
QAH
QQGV
NANL
                                                                                                                                                                                                                                                                                                                                                       QLTVLQ
WNNLCQ
WDAFVA
VVEPVE
LVEPIE
WNNLIA
LMIPLE
WDNFVT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           QLENQMSESWGLLSEANNKLSRAWSPVGDANEKLGRAWGQASEPLSRAWGVIGHLNDRLSKAWSPVSHMNEVDDELSKIWSPISERLSRVWGPITHLNDAHERLARAWGPVG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L N A V M N T R
L H A V K N S D
L H S V M D S R
V A D T P E L R
V V N S D A L R
M N S V V S S E
V C D S E E L R
L N A V M N S R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RPPRDPTP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DEETEDE
AALLM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HHHASHAH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              EEEAEEPE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      L Y
R Y
V Y
A Y
V Y
V Y
UniRef90_Q3SG70
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPl0003633E5D
UniRef90_UPl0004762199
UniRef90_UPl0004772D68
UniRef90_UPl0004772D68
UniRef90_K8BEM8
UniRef90_UPl00031F4F71
UniRef90_A6VPP5
UniRef90_UPl00031F4F71
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_UPl0004690536
UniRef90_UPl0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             G V S
                                                                                                                                                                                                                                                                                                                                                   F C T P L A E V N D R L S K A W S P V A H L N S V K N S P E L R E V C L P L D E V D S V L S R L W S P V S H L N S V A N S E E L R E F E N T I A A L D Y A G S R L D R I S S I F F N L N A A E T N A W D N L C Q P L S E A S D K L S R M W S P V G H L N S V K N S P E W D N L V Q P L E E L Q E R L D R V W S P I S H M N A V V N N D E F V T P L D D A T E S L S R A W G Q V V H L Q A V V N T P T L R E W E S L V L P L D Q L H D D L N N F W S P I S H L N S V K N T R T F D N T M V A L E L A G D K L S R V S S L F W N R A G T D T N D A W E T L V V P M E E L D V T I D R V W S P V S H M N S V V N S E D W E N F A L K L E D H S E K L G R A W S Q V G H M N A V V N S R E L I A P I D E A E D R L N K A W S P V S H M N S V V N S D A M R D F V Q P I T D A N E R L S R A W G Q V S H L N A V A N T P A L R E L I E P L E E T N D R L A K A W S P V S H L N S V M S N P Q W R A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAELAAALLAATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WAGLVLAMDELNDRLGAAWSPVSWDAFIEPLDVALERLSRAWGVAGFLEPLDLVDDALSRAWSPISHLNWQHFVQPIEDFSEKLSRSWGPVGWENFILPLTEIGNLFSKTWSPVSWDNLIRPLEDLDDRLDKAWAPVRLIEPLTDADEKLEHVWAPVSHLNUJAPIDEVEDTLSRLWSPVSHMNWDNLAQPLEDLREHLDRVWSPVS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 S V L D S E A L R D H L N A V C N S R E H L N A V M N T P E G V M N N E A L R A G H M N A V V N T R E H L N A V V N S E P S V L S T P E L R E S V V S N D A L R A H M N A V V N S D G
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         YYARAYYAAAAAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CLPPYNECLPACLP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NEANNQQDDN
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_C9PRH7
UniRef90_G5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_K1JST7
UniRef90_F0F0D2
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_F0F0D2
UniRef90_F0F0D2
UniRef90_H0003627513
UniRef90_H010003627513
UniRef90_UPI0003627513
UniRef90_UPI00036656D1
UniRef90_UPI00036656D1
UniRef90_UPI0002ED9650
UniRef90_UPI0002ED9650
UniRef90_UPI0002ED9650
UniRef90_UPI0002ED9650
UniRef90_UPI0002ED9650
UniRef90_HXQT5
UniRef90_B6BVF6
UniRef90_B6BVF6
UniRef90_B6BVF6
UniRef90_B6BVF6
UniRef90_D3UY66
UniRef90_D3UY66
UniRef90_D3UY66
UniRef90_D3UY66
UniRef90_UPI0003TDDF6
UniRef90_UPI0003TDDF6
UniRef90_UPI0003TPDF6
UniRef90_UPI0003TPDF6
UniRef90_UPI0003TPDF6
UniRef90_UPI0003TPDF1
UniRef90_UPI0003TDDF6
UniRef90_UPI0003TDDF6
UniRef90_UPI0003TDDF1
UniRef90_UPI0003TDDF1
UniRef90_UPI0003TDDF1
UniRef90_UPI0003TDDF1
UniRef90_UPI0003TDDF1
  UniRef90_UPI000363541F
UniRef90_C9PRH7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DELSNGLDEVFGLLSHERLWRAWGQVSHLQANGLSRAWGVVSHLNSDEMGERLSRAWSPVSHLNSDEMGERLSRAWSPVSHLNSDEMGELLDRVTSVFFNDSASERLWRAWSVAGHDEKLSRVWGPVSHLNSDNLSKMWSPVSHMNSERLEQRLARAWSPVSH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             T R E | Y Q A V L P | L R E A Y N A N L P | L R V A H T A C L A | S P E L R D A Y N S | L R A M Y N E L M P | N E D | Q K L A A L P | L R E A Y N A A L P | L R E A H D A C L P | L R E C Y G P A E G
                                                                                                                                                                                                                                                                                                                                                     Q R D V I N E L D F V T P L E D A T I V E P L A V M E Q WS W V E P L D T V E R L T D I T E A L E E W D A V V A P L D F M L P L E E M D L V L R L E E V D F A S V M L T Q E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              L N A V M N V V N T P E V M N S D E L N A V M N V A D T P E V L N S A E T L N A V V N V C D S E G V V S S D E L H S V E A
                                                                                                                                                                                                                                                                                                                                                                                                               QVVERIE
A MD
N A ME Q WD
M P Q A M A E
H L V M P L D
N L V L R L E
K F V D E L S
N F V A P L E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 V L S K M W S P I G R L G A A W S P I S H L H R A W S P I S H L N R L G K A F G P A G R L S K M F S P V S K L S N A W S Q I G D F E A T W G P V G
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    H M N S V V S
H L N A V C N
G V K N S P E
H L N A V A Q
H M N S V V S
H L N S V M N
H L D A V C Y
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             D T D D
E L N D
D E L D
D K F S
Q E D D
E V D D
L L D Y
Q I D H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             MLS
CLP
CLP
LLS
YNS
WVG
EYN
YLA
                                                                                                                                                                                                                                                                                                                                                               Y A Q V V E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TS LLNSSS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         L R Y Y Y A A Y R Y Y L L Y H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EESQSGRQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KEEEAE E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LCGKALDCVCSIFFLRSSTH SNAILAGABT NQUID RLRKAWSPVAHMNAVVNNEALRAZOYAGITAGABT NGON SVADTPELRAZOYAGABT NGON SVADTPELRAZOYAGABT NGON SVADTPELRAZOYAGABT NGON SVADTPELRAZOYAGABT NDAILAGABT NGON SVADTPELRAZOYAGABT NDAILAGABT NGON SVADTPELRAZOYAGABT NDAILAGABT NGON SVADTPELRAZOYAGABT NGON SVADTPELRAZON SV
                                                                                                                                                                                                                                                                                                                                                       LENFON SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT SALES NOT
                                                                                                                                                                                                                                                                                                                                                                                                                                                 FTPTVTTRPTTTTPT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      QHF
VALL
VPAL
TEAAL
TEAAL
EADA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Q Q A A A Y E A E A A K K A A N L A M A A M A A M
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  L E Q
L E R
C L P
A L A Q
D E R Q
C L P
C L Q R
L A P
L A R
Q C L A Q
C L A Q
C L A Q
UniRef90_UPI00037EDE10
UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
```

120

SP

D

```
130

140

150

1ELGQHSVLYQTYQALHDEAQQSAIRLALRD
WVGQHEGLYKAYRDLRDGDNYATLNTADNA
FELSQNAELCEAVKKLAASDQYNELSEADNTI
OQFDQVVRELKKEIKKKISIESIFSIKKSLK
DMGQHEGLFALYQSIQASPAFGQLPLAELA
QPLLKRYTAKFDEKFRECPFFDLLDEQKYGF
FILIGQDIELYNRFKAIKAAPEAAALSEAQ
QPLLKRYTAKFDEKFRECPFFDLLDEQKYGF
FILIGQDIELYNRFKAIKAAPEAAALSEAQ
FRLETLDTQSLSMAIAESPYAAAAVDGTFGPQ
FRLETLDTQSLSMAIAESPYAAAVDGTFGPQ
FRLETLDTQSLSMAIAESPYAAAAVDGTFGPQ
                                                                                                                                                                                                                           ALSEYST
KLTEYST
KLTEYYTD
CLSEYYYTD
QLTCYYYT
YNQNTIQ
HLSATEFFT
KVQNYYT
KVQNYYST
KLSQVYWT
KLSQVYWT
KLSQVYWT
KLSCPYGT
KLSCPYGT
KLSCPYGT
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q6F7U8
UniRef90_P2BA83
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UP1000365FD28
UniRef90_UP100036E136E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         KRRKSRKKTARKRRRRRRA
FLUFYLMKLAFLLLLLL
N
FDQEQDTTAVX; ;,
 UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_C2XBL0
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
                                                                                                                                                                                                                                                                                                                                                                                                                       QHTVLYQH
GLYQAYKS
QNEALYAK
QNLALYEK
QNEKLFNA
TFVGQHQP
QNEALYAA
QNLALFDK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Y Q H V H D A
L K N S A E F
Y K A L A A S
Y K T I A A S
Y Q A A L D S
L Y Q A Y K S
M K K V R E R
F K A L R N S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A E F N Q Q Q S
D T L N Q A Q R K
P A F A A L S P A
N D F E S L T A E
A Q Q K I I Q N A
I K A S D E F E Q
D D F T D L S R E
S E F N G L N M S
                                                                                                                                                                                                                                                                SEYYT
STWMG
TVYYA
TEFWS
SEYST
LPLLS
ISEWGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SIKLA
SIENT
DNELR
RKKLR
LRDFR
LTQAQ
EHALR
RQ
                                                                                                                                                                                                                               A F K K K K K K K
                                                                                                                                                                                                                                                                                                                                                             AQUSUUUU
                                                                                                                                                                                                                                                                                                                                                                                     L G
H T G
V G
Y A G
L G
UniRef90_Q3SG70
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPl0003633E5D
UniRef90_UPl0004762199
UniRef90_UPl0004772D68
UniRef90_UPl0004772D68
UniRef90_K8BEM8
UniRef90_UPl00031F4F71
UniRef90_A6VPP5
UniRef90_UPl00031F4F71
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_UPl0004690536
UniRef90_UPl0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A L K N S A E Y E N Y S
A L K N S A E Y E N Y S
A L K A D S S F D G L S
Q A Y K S L K E S H S F
Q T L A E G A E Y S S
A L A D A P A A V A L D
L A E S E A A K D L N Q
Q K L D T A Q K K V D
Q K L D T A Q K K V D
Q Q A L I N H E V R D F K
A L A D S P A F A V L T
                                                                                                                                                                                                                                                                                                                                                          WIGQHQGLYNAYA
WLGQHKGLYEAYK
GEFSNDISLFDRVR
GEFSNDISLFDRVR
GEFSNDISLFDRVR
GERVRAF
GALGQNLALFAQYR
GALGQNLALFAQYR
GRHYSKIAMNRDLF
GALGQNKALYQAYN
GRHYSKIAMNRDLF
GDISQHFAKLTPTQ
GDISQHFAKLTPTQ
GEVGQNRQLYEAYC
GELAQDPALFEKFK
                                                                                                                                                                                                                                                                                                        VQAELPALNLLQE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      KKTQQAAAEDEQDK
KKRPPNETRAANQ
LDSLVGREQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                รรร
                                                                                                                                                                                                                                                                                       E E P E E R Q P E D E Q E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    L
A
L
D
                                                                                                                                                                                                                                                                                                                                                            E F A QL E
E A L A H S
L Y A R Y K
Y Q A V A A
E Y A QL S
H R A L A E
Y Q A L R E
Y K A S D G
F Q S I A E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          D Q A Q K T | L E H WF E Q Q A T L V Q A Q K K V L D N A L I D N E V R G F K L Y D L A Q K K T L D A A Q D A L R D L T E A Q Q K L R D A R K K V I E N G L P S L N V P Q K K I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            P A Q Q K
P Q V A D
Q L V T S
Q E H L N
R A Q K K
S P E F F G
S D E F D
Y A D
G D
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
                                                                                                                                                                                                                                                                                      LY
APL
EDFY
ADFY
ADFE
F
                                                                                                                                                                                                                            K A L L L L L L L L L L
                                                                                                                                                                                                                                                                                                                             SSVGYSTTTT
TAGAT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PAAAKAAAAA
NNEDER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         L F P S L S R S P Y
                                                                                                                                                                                                                                                              TTSSSSS
 UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_Q3JEK8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_E6WWA5
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_F0F0D2
UniRef90_W10003627513
UniRef90_UPI0003627513
UniRef90_UPI00036656D1
UniRef90_UPI00036656D1
UniRef90_UPI0003ED9650
UniRef90_UPI0002ED9650
UniRef90_W4XQT5
UniRef90_B6BVF6
UniRef90_B6BVF6
UniRef90_B6BVF6
UniRef90_B0JU90
UniRef90_B0JU90
UniRef90_B9JU90
UniRef90_B4BVQ6
UniRef90_B4BVQ6
UniRef90_A4BVQ6
UniRef90_A4BVQ6
UniRef90_A4BVQ6
UniRef90_A4BVQ6
UniRef90_A4BVQ6
UniRef90_A4BVQ6
UniRef90_A4BVQ6
UniRef90_A4BVQ6
UniRef90_A4BVQ6
                                                                                                                                                                                                                                                                                                                                                                                                                     GQHTVLYQTYQQFHDEAQQSAIRLA
GQNLALYSPEYAGYDPVRRKVVDNA
GQNRELFEAYSAVMENAQ
DLS
GQNQALYAAYRQLADSTGF AELS
GQDIELY ERFKAIKASPEFARLS
NDLALLNPEQSRLLEKRYKSFDEK
GLHEGLYRQYFAAWPPVRRRVVELA
QNEALYAGLKYIESHASDSLNNEK
GQHEGLYNAYVAIKDSN EYAELD
GQNRALYQAVQALADAPDFAGLP
                                                                                                                                                                                                                            Q L S
R V T
K L S
C L S
E V T
E A S
L V T
K N A
L L S
K L T
                                                                                                                                                                                                                                                                                                     YYTNMG
FGSSLG
YYTEMG
FSTEMG
FFTELG
FSTWVG
WHTELA
YGTWVG
HSLEG
                                                                                                                                                                                                                                                                                    Q R Z Q > P Ш Ш Ш Ш
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RREAAEREQP
                                                                                                                                                                                                                           E F G T
A L S A
K L T E
E Y S T
C L S E
Q H E G
K C R E
K I T Q
                                                                                                                                                                                                                                                                                                                                                                                                                        ALFSLYQQLRDSQEQNRALFQAEALTKSQNKHLYNAYYLELSGLYQGYVKLKNSPEQNADLCAAFQALRDELKASDEFESLSEESNLSQNTKIFNLYKQNKALFTRFEALAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FTTLDEAQQKVVTNA
PEAAGFDVAQKTVLE
VAQRKAVDNALRDFQ
FETYSVAQKKAIENS
SDEWASLNEAQQKLR
QQKVIENAVRDFTLS
ELKKSTIFESNDEIK
SDEYHHLTLAQKKLR
                                                                                                                                                                                                                                                                                                       WVGQ
YSTE
YATE
WAGQ
YGTE
LYNA
LITD
YYSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LHLLDGD
                                                                                                                                                                                                                                                                                                                                                                                     NGGGGAYG
                                                                                                                                                                                                                                                                                                                                                          V P E A E P R Q A P R P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P P A P 
                                                                                                                                                                                                                                                                                                       K S
K M S
Y Y T
F W T
L L S
F F F T
K S
K L T
L L S
L L S
L L S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RRQGQRRKQV VKKK
                                                                                                                                                                                                                              DEKQKEKE LDKEEKE
UniRef90_A4BVQ6
UniRef90_UPl00037B0DF6
UniRef90_UPl0003C17E33
UniRef90_UPl00036470F7
UniRef90_UPl00037EDE10
 UniRef90_I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
```

D L K D

	470
UniRef90_D0T762 UniRef90_W8UDC1 UniRef90_W5YX43 UniRef90_R1XQ86 UniRef90_R1XQ86 UniRef90_Q736P7 UniRef90_Q6F7U8 UniRef90_F2BA83 UniRef90_F1W0U6 UniRef90_R6GSC0 UniRef90_UP1000365FD28 UniRef90_UP100036E136E UniRef90_UP100036E136E UniRef90_UP100036T30E UniRef90_UP100036E136E UniRef90_UP100036E136E UniRef90_UP100036E136E UniRef90_UP100036E136E UniRef90_UP100036E136E UniRef90_UP100036E136E UniRef90_UP100036E136E UniRef90_UP100036E35 UniRef90_UP100036E35 UniRef90_UP100039E6669	S G V A L E G E E K K R Y A E L S A R L S Q L S S D F S N V L D A T Q A Y F K P F E L S G I G L P P E A Q K R Y G E I A A R L S E S N N V L D A T Q A Y F K P Y E L S G I G L P Q E K K E Q Y A N L S M E L S E L S N V L D A T Q A Y F K P Y E K F L D D I A K E N T D G N L F N Q I S P Y T E Y Q K I L Y R P F R L A G I D L P T E Q R A R F K A I K E R L S S S N H V L D A T Q N W H Y H A R F V K S R M F N E E N A L S I K E Q E L I T R Y R E I M S N I T I N W S G V A L E G D A K K R Y A E I S A R L S Q L S S D F S N V L D A T Q A Y F K P L E H D L R D F V L S G A E L P P E K Q E T L A A L Q T E A A Q L G A K F S Q N L K P R F A A I Q E K H A E L S T R F S E N V L A L L V E T E A E L A G L P D D L K P R F A A I Q E K H A E L S T R F S E N V L A L L V E T E A E L A G L P D D L L T L D Q R L H T G G K E L Q A R I S R L T A Q Y Q Q L T A S A R S G I A L D K A K K Q R F K E I S Q E L S Q L S Q D T S N V L D A T N A W S K F R L A L P P E G Q Q R Y A E L Q Q K L S L L T T R F S E N V L D A T N A W S L F R L A G V D L P E D K K E I Q A R L S S L S N S F S N N V L D A T N A W S L F R L G G A E L P E D K K E I Q A R L S S L S N S F S N N V L D A T N A W E L F L S G I G L P A D Q Q H I S K R M S E L S S Q F S N N V L D A T N A W E L H F H L S G V D L P A E K K A R Y K E I S Q S L S A L T S K V L D A T N A W E L H F R L G G A E L P E D K K K Q F A D L Q E K M A A R F S E N V L D A T N H F E L I D N A L R D F T L S G V A L A D D K K A R Y A A I S S R L S D L A S S F S N N F E L S G I G L T K E K Q Q R Y G E I A A R L S E L G S T Y S N N V L D
UniRef90_S3PPR5 UniRef90_D2U091 UniRef90_Q3SG70 UniRef90_B2JJB5 UniRef90_UPI0003633E5D UniRef90_UPI0004762199 UniRef90_UPI0004772D68 UniRef90_UPI0004772D68 UniRef90_K8BEM8	R D F Q L S G V L I G A D K Q R Y A E I S S R L S Q L S S V L D A T Q A F F Q P R D F E L S G I L P A E K K K R Y G E I A I R I A E S N N V L D A T M G W T K L F R L G G A E L P A D K K A R F M Q V Q E Q L S T K F E E N L L D A T N D Y A L F R L S G A E L P E D Q K P R F A E L Q E R Q A A A F S D H V L D A T N A Y A Y S G I D L D A G K K Q R Y K E I S Q E L S Q L A S K Y E E N L M D A T N A W T K I E H S L R D F L N D A D K L R Y G E L V K R M S E S N Q L L D A T Q A W T K L F R L S G A E L A G E K K A I R M R M S E L A T A F E Q H V L D A T H S F E L H I E N E L R D F R L G G A E L P D A Q K A R Y L A I Q E R Q A E L S S R F S D N
UniRef90_A6VPP5 UniRef90_UPI00031F4F71 UniRef90_UPI00031F4F71 UniRef90_A4CJR6 UniRef90_D8KBK6 UniRef90_D2UFP5 UniRef90_A6VS31 UniRef90_A9CU89 UniRef90_M7PIK0 UniRef90_Y0KDW5 UniRef90_G0A0D7 UniRef90_UPI0004690536 UniRef90_UPI0004690536 UniRef90_H3KG74	FKLSGISLAPEQQK RYGEIVSRLSDLSNVLDATMGWEKLFELSGIGLPADEQH RYGEISKRLSESNNVLDATMGWSKHKKFLLREIDSELSRLKLTFGEHILEETNELHITREEDLEGIEDTLRDFLPEEKQKRYGEITARLSELGNVLDATMGWTKLLANALRDFRLSGVILPSEKKTRFKAIQQRLVGLSAKFEENFRLELDEADKQRFATIQEELSALSATFSQHVLDATDAWSLTIRDFEEAKKRYGEISQRLSELSSQFGENVLDATQAWSKLRDFRLERIWKSFIKSLDPEGQARLAEIGEKLAGLGARFGQSGVELPQAEREQFKKLSQQLTERSAKFEELLDATHAWSKHEQKARFKIVSEELSRLGSKFEENIMDNTNDFADLAGIPEDIDNALRDFHLSGVDLPADQQARYKDISQQLSKLASQYEENFRLGGAELPPEKKKRFLQIQEELSALGSNLLDSTNNFVLHFHLSGVDLPAQQKARFGENNLLDATQAWQKH
UniRef90_Q6LLL3 UniRef90_I3CE63 UniRef90_M5R1F4 UniRef90_UPI00036C5FEB UniRef90_UPI000363541F UniRef90_UPI000363541F UniRef90_H5SHV0 UniRef90_Q5QVY8 UniRef90_Q5QVY8 UniRef90_Q3JEK8 UniRef90_Q3JEK8 UniRef90_K1JST7	S G I H L S P E K Q A R C K E I R Q Q L S Q L T A K F S Q L L D A T H A W K K H S L R D F R L S G I D L P P A E Q K R Y A E V Q S K L S E L G S K F S N Q L L D R R F L E N E I R D F R N E S G K A R F A E I Q A E M A E L G N Q F S N Q L L D R D F H L S G V D L P P E K K A R Y K E I S L A L S E L T S R F S D N L L D E K V R F K E I A E Q L S K L G S K F E E N I L N D F K H V V A D A A E L T D D I E N A L R D F K L S G I S L P A E K Q K R Y G E I S A R L S E L N S Q F S N N F R L A G V D L P E D K K K R Y A E I S S R L S D L S S I F S D A T H A W T C R D F E L S G I L P E A E Q K R Y G E I V M R L S E L S Q L L D A T N A W T K L I V N A L R D F R P S E K K A R F K A I Q Q Q L A S L N N L L D S T Q A W R K H
UniRef90_V2TK71 UniRef90_E6WWA5 UniRef90_B8KRE7 UniRef90_A0A031MD77 UniRef90_F0F0D2 UniRef90_A0A023BRI6 UniRef90_K0MIP9 UniRef90_UPI0003627513 UniRef90_F5ZFQ5 UniRef90_A0A023NX66 UniRef90_UPI00036656D1	S GVALEGEQKKRYAEISARLSQLSSDFNHVLDATQAYFKPGGAELDEASKQRFAAIQEELAALSAKFSQNVLDATDAFAELENALLDFRLSGVDLEGPAKEEYRSLSEKLSGLSSAFSNNIEHALRDFRPPEQQQRYGELQMRLSESNQLMDATQAWTKHLAHDLRDFVLSGAELPPEQQAELAALQTESAQLSAQFSQNVDAELSTLFGENVLAETNKFEMLLTDESDVAGLPEGASGVELQGAARERYAEISDREAQASQKFSENVLDAIDAWSLAKQRFKEIRLRLSKLTTVFEQHVLDATRAFTLHITDEHQSIDNAIRDFLPSEEKKRYADIQAKLSELSNVMDATMGWSKHVEHALRDFREEPARTRFREIGVELSRLSTVLDATDAWHEH
UniRef90_K6Y7Z3 UniRef90_UPI0002ED9650 UniRef90_UPI0002ED9650 UniRef90_A0Y9C8 UniRef90_M4XQT5 UniRef90_L0WBC9 UniRef90_F2G728 UniRef90_F6DBJ5 UniRef90_F6DBJ5 UniRef90_D3UY66	R D F T L S G V L Q N D K K K R Y A D I Q S R L S D L S S T F G N N A WT K Q I A L R D F R L S G I D L P E A E Q K R Y A Q V Q S K L S E L G S R F S N Q L L D S G I A L E D D Q Q R R F G D I K K R L A E L S T Q F S N N V L D A T H G W H K Q D F E L S G I S L P A E K Q K R Y G E E L N S Q F S N N V L D A T M G W D I V F R L S G V D L P E D K K A E Y M A N S E L T S Q F S D N V L D A T Q A WT K H V A L P V E Q K K R F A E I Q A K L S E L S S T F S N N V M D A T M G W T K H V F K L T F K E L Q S K L A K L S S R F E E N V L D E T N N Y T L N I T D I P K D F R L A G V D L N E Q D Q N I L Q R L S Q L S S Q F S S H V L K A T Q A W S L H
UniRef90_J0QDI0 UniRef90_B9JU90 UniRef90_B9JU90 UniRef90_UPI00037B0DF6 UniRef90_UPI0003C17E33 UniRef90_UPI00036470F7 UniRef90_UPI00037EDE10 UniRef90_UPI00037EDE10 UniRef90_D0CPP2 UniRef90_UPI0003F63C99 UniRef90_UPI0003F63C99 UniRef90_UPI0003797B49 UniRef90_UPI0003F03U9UniRef90_G3IR20 UniRef90_UNIREFP	LELWWKKFVCEKGKKRLVEINEKLAFLNATFGQHAEWVLFLERHWKGFVKAGAKLAKPEQERLAAINQNVLGDETDWALPLDHALRDFRLAGVALPAREKARFKANAQRLELAARFEDNRDFRLAGVALPAREKARFKANAQRLELAARFEDNRDFELSGVREQFAANSRRLAELSQFANNVLDATNAWTWHEAKLRFAKIQERSAELTQKFSENALDATDAFAYYATLDKSYKSFVRNGALLNEAEQEHVLADTQIFSIHITDELDSLERHWKGFVKSGAKLPKAEQERLAAINETLASLGAKFGQLNNDLRDFVLSGAELNAEDQQIFAALQTESAQLSAQFSQNLRHMLRDFAAARFSALAQRLSELSTAFSNNVLDATDGWEKLSGAALQDKADARMQEIKARLASGTAFTQNLLADERTWFMPERHWKGFVKAGAKLAKTEQQRLADINEKLAGLGAQFGQNGANLNQEDAEKLRKIDQELGQLSLQFGENVLAETNKYVHFSRNEEDKKIKLREIDKELSKTSLQFGENVLAETRAFQLHSGIDLDNEKKARFQLH

```
A PERSON SOLITION MADERAL PROSSON SOLITION MAD
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UP1000365FD28
UniRef90_UP100036E136E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           L
V
T
D
                                                                                                                                                                                                                                                                                  LSEDQLKSIELLK
VLDATDAFALYFD
VKEAARAAADKDG
 UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
                                                                                                                                                                                                                                                                                                            THZLL
 UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
                                                                                                                                                                                                                                                                                L S E A
I K N S
I D E
I A E S
L I A G
I T D E
L T D A
V L D A
UniRef90_Q3SG70
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPI00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D2UFP5
UniRef90_D2UFP5
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
                                                                                                                                                                                                                                                                                | T D E | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D A | E D 
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_UPI0004690536
UniRef90_H3KG74
UniRef90_Q6LLL3
LIDIREF90_13CF63
 UniRef90_I3CE63
UniRef90_M5R1F4
                                                                                                                                                                                                                                                                                  UniRef90_UPI00036C5FEB
   UniRef90_L0GXQ6
 UniRef90_UPI000363541F
UniRef90_C9PRH7
 UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_G3QV76
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
                                                                                                                                                                                                                                                                                  UniRef90_V2TK71
UniRef90_B8KRE7
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_K0MIP9
UniRef90_UPl0003627513
UniRef90_F5ZFQ5
UniRef90_UPl00036656D1
UniRef90_UPl00036656D1
UniRef90_UPl0002ED9650
UniRef90_UPl0002ED9650
UniRef90_A0A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_L0WBC9
UniRef90_F2G728
                                                                                                                                                                                                                                                                           T D E R R Q Y A K E Q K L E G Y L V T L

T D E A D L A T A R K K D V D G W L F T A T Q A W S K H I S D E A G D G W L I T T Q V D S Y R Q A A K A K S Q Q G Y V I S I T D A A K L S A E S K G K K G Y R F T I T D E A A D R A R A E D K D G W L L T T D E A E L A G M H Q K D L Q G W L F T I L E S A K A L A K E N D Q K G H T F T I I T D E S Q Q Y A Q L K E A T G W R L T G W L L T L T S D D E A M A S A A Q A R G K G V T L L D A T N N W Q K L L T E Q G W R L A T E D E A S S A A Q G K G K Q G F K L T V K T A A E D L A K S K D K E G W Q F T V K T A A E D L A K S K D K E G W I F T N V L A D E K S R D R G A E G K Y A V T L M D A T D A F A L Y F D K T G Y K I G I E S A D R E A A T A K G L S G Y R L S L S E D D L D A G R E K G A D G P V V T N V L G D E K S R E R G E T D G Y L V T I K E A A A Q T A E E K G K P G W A F T L T D A T H G A V A G S H N E D G W M I T I D E K D L E G L P Q D E Q G W A I T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAAAAENSEDDAEAGDDADDEEEA
UniRef90_E0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
                                                                                                                                                                                                                                                                                  UniRef90_I2JEP5
UniRef90_D0CPP2
 UniRef90_W6W2L1
UniRef90_UPI0003F63C99
 UniRef90_UPI0003797B49
UniRef90_G3IR20
```

A E Q E T E E K T E E Q Q Q R T E E Q R E E E E E E T E Q E R E T E T E E E E E E E E E E T E

AEEQKTKER

250 260 270	DSYA
UniRef90_W5YX43 VYEAFVTRASDMGPDNTPVMAEILKRRHAMAQLLGF UniRef90_A0A031LWL8 LYKAYTTRASDQSDDNTAVMEEILKCRQEMAQLLGF UniRef90_R1XO86 TYNQFILNFYFDILKDSVAYILYKI VVVKYNIJFSVKDGF	D N Y R D H Y A
I I I I I I I I I I I I I I I I I I I	/ \
UniRef90_K4L0E1	N N Y A E H Y L
UniRef90 Q6F7U8	SEYA DNFA ANYL
UNIRE190_F1W006 VY RANVIKASELLE WDNIQNII DLL LALLRKE EAKLLIGY	ATYA DNFA
UniRef90_V5C7B4	SNYL
	ATYA KNYA SSFS
UniRef90_W0E673 CYRAFATRASDQGPDNSE I MEQ IL A L RHEQAQ LL GF UniRef90 C3XBL0 MYRANATRASE L EWDNTGN INELL RL RKEEAD LL GY	ANYR
Hinrefan Colwig Color a Fivil RASDOGPDNINNMNEU VALIR HELIANII I GE	
UniRef90_D2TA04 UniRef90_UPI0003956C69 UniRef90_UPI0003956C69 UniRef90_S3PPR5 LYRAYSTRASDQGPDNSAIVMAEELALRHELALLGFUNREFDNSELMNESLRLKYELARLGFUNREFDNSELMQELLALRQEMASLLGF	
UniRef90_D2U091	NNFA
UniRef90_B2JJB5 MYRAYVTRASELGPDNTANLAENLKLREEEAHMLGYUniRef90_UPI0003633E5D HYEAFATRASDQGPDNSEIMEKTLALRHEKALLLGFUniRef90_A8FP15 CYRAFVTRASDQGPDNGPLMDEIVALRHELALLGF	R N F A N N Y A
Unikef90_UP10004762199 MYTAFWIRASSGEL_UNTP V_L_DE LL A L RAEAAR LL GF	DSYA EHYA ANFL
lUniRef90 K8BEM8 E M Y R A Y S T R A S D Q G P N A G K W D N II L IA IL IR H E IL IA Q IL L IG F	DSYA ERYR
UniRef90_UPI00031F4F71 MYESYNTRASDRGPDNTE I AEQ L K L RHE L SRM L GF UniRef90_A4CJR6	ASHA
UniRef90_D8KBK6	KNYT ANYA ASYA
UniRef90_A6VS31	DNYL ESYA
IUNIRE190 M/PIKO MYTAFATKASDQQWDNTEIVIMQDII LIKILIR HESAQII LIGF	ANHA NNYL
UniRef90_Y0KDW5	N N Y A D <mark>C</mark> Y A G N Y L
UniRef90_H3KG74 V_Y K A F S T R A A E F D G D N T P L T R E IL L E L R S E E A K L L G F UniRef90_Q6LLL3 M Y Q A F A T R A S D R G P D N S E IT I A E K L K L S H E IT A R L L G F	PNYL NTYS
UniRef90_I3CE63 MYVAYVTRASAEQFDNSGLLNNILALRHELAQLLGFUniRef90_M5R1F4 VYAAYCTRASDQGPDNGPVMEEILDLRQELARLGFUniRef90_UPI00036C5FEB LYRAYVTRASEFGDDNGPLMARLLTLRQEESALLGF	HNYI ASFL DNFA
UniRef90_L0GXQ6	ANYR KNYL
UniRef90_C9PRH7 MYRAFVTRASDQGPDNTALMEEILLNLRVELAKLLDF UniRef90_H5SHV0 MYEAYVTRASDQGPDNTACMEELLREKAQLLGY	ANFILI
UniRef90_H5SHV0 MYEAYVTRASDQGPDNTACMEELLRRHEKAQLLGY UniRef90_Q5QVY8 MYQAFVTRASEGEFDNSEVMNETLALRHEMSELLGF UniRef90_E1SVB8 VYTAFCTRASDQQYDNGPLMSELLALRQELAQLLGF UniRef90_Q3JEK8 IYTAFVTRGSDQGPDNTQVMEELLALRHEAAQLLGF	DSPA
UniRef90_K1JST7	ADYA EHYA
	SSYA
UniRef90_F0F0D2 VYCAYASELJGKPEWDNTPILIDRTLEILIAQAKLLIGY	
UniRef90_UPI0003627513 MYRAYCTRATSAELNNGPVIDELLSLRQEIAQLLGF	PTFA SHYT
UniRef90_F5ZFQ5	ANAA /SSTR
UniRef90_K6Y7Z3 MYRAYSSRASDQGPDNTANINEILSLKQEAASLLDF UniRef90_UPI0002ED9650 WYAAYCTRASDQQNDNGPVMQDILDLRRELAQLLGF	T C Y A A S F L
UniRef90_A0Y9C8	ENYA KTYS ANYG
UniRef90_L0WBC9	S S Y R N N Y A
UniRef90_F6DBJ5 WY KAYATRASDQSDDNTDLIQEIGELRYEKAKILGF UniRef90_D3UY66 MYYAYTTRASEQQWDNSAVMTEILALRHELALLGF	S S Y A K N Y A
UniRef90_JOQDIO AFQAWSKRGENNNNDNRAII LEIVALRDEKAKLLGY UniRef90_B9JU90 AFKAWVARGENGGEDNRAIVTETLALRAEKAKLLGY UniRef90_A4BVQ6 LYEAWNTRASDHRWDNHPVMEEILALRGEQARLLGL	KSFA KNFA RNVA
UniRef90_UPI00037B0DF6	DNYS RNFI
UniRef90 C0BM75	E N H A Q N Y A
UniRef90_W6W2L1 AFKAWAARGANGGETNLGIVRETLALRAEKAKLLGY UniRef90_UPI0003F63C99 LFMAYNKACKGDELDNQELIRSILRLRNERAQLLGY	ENFA SSHA
UniRef90_DOCPP2 UniRef90_W6W2L1 UniRef90_UPl0003F63C99 UniRef90_UPl0003797B49 UniRef90_UPl0003797B49 UniRef90_G3IR20 UniRef90_IPL00035 A Y R A WT A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R A WA A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R A WA A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R A WA A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R A WA A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R A WA A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R A WA A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R A WA A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R A WA A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R A WA A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R A WA A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R A WA A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R W I R A WA A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R W I R A WA A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R W I R A WA A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R W I R A W I A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R W I R A W I A R G A N G G E T N R DIL A A E I L K L R E E R A R L L G Y I R W I R A W I	ASHA NNYA

```
LLALLIFILLUS CIA CARRENT REPARCIA CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTROLO CONTR
                                                                                                                                                                                                                                                                 UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UP1000365FD28
UniRef90_UP100036E136E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_C2XBL0
UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_Q3SG70
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPl0003633E5D
UniRef90_UPl0004762199
UniRef90_UPl0004772D68
UniRef90_UPl0004772D68
UniRef90_K8BEM8
UniRef90_UPl00031F4F71
UniRef90_A6VPP5
UniRef90_UPl00031F4F71
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_UPl0004690536
UniRef90_UPl0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
UniRef90_UPL0004690536
   UniRef90_I3CE63
UniRef90_M5R1F4
   UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
   UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_Q3JEK8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UPI0003627513
UniRef90_UPI0003627513
UniRef90_UPI0003656D1
UniRef90_UPI0003656D1
UniRef90_UPI0003ED9650
UniRef90_UPI0002ED9650
UniRef90_UPI0002ED9650
UniRef90_UPI0002ED9650
UniRef90_UPI0003ED9650
UniRef90_UPI0003ED9650
UniRef90_UPI0003ED9650
UniRef90_UPI0003ED9650
UniRef90_D3UY66
UniRef90_B6BVF6
UniRef90_D3UY66
UniRef90_B9JU90
UniRef90_D4BVQ6
UniRef90_DA4BVQ6
UniRef90_DA4BVQ6
UniRef90_DA4BVQ6
UniRef90_D4B00037B0DF6
   UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
 UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
   UniRef90_I2JEP5
UniRef90_D0CPP2
 UniRef90_W6W2L1
UniRef90_UPI0003F63C99
 UniRef90_UPI0003797B49
UniRef90_G3IR20
```

```
330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 330

T 33
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q6F7U8
UniRef90_P2BA83
UniRef90_F2BA83
UniRef90_F1W0U6
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UP1000365FD28
UniRef90_UP100036E136E
                                                                                                                                                                                                                                                                                                                                                                                                                           TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO SOUNT TO 
    UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
    UniRef90_Q07WB5
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
UniRef90_Q3SG70
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPl0003633E5D
UniRef90_UPl0004762199
UniRef90_UPl0004772D68
UniRef90_K8BEM8
UniRef90_A6VPP5
UniRef90_UPl00031F4F71
UniRef90_A4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_D2UFP5
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_UPI0004690536
UniRef90_H3KG74
UniRef90_Q6LLL3
LIDIREF90_13CF63
    UniRef90_I3CE63
UniRef90_M5R1F4
    UniRef90_UPI00036C5FEB
UniRef90_L0GXQ6
    UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90_C9PRH/
UniRef90_H5SHV0
UniRef90_Q5QVY8
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_Q3JEK8
UniRef90_V2TK71
UniRef90_V2TK71
UniRef90_V2TK71
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UP10003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UP100036656D1
UniRef90_UP10003ED9650
UniRef90_WAYQT3
UniRef90_MAYQT5
UniRef90_MAYQT5
UniRef90_MAYQT5
UniRef90_B6BVF6
UniRef90_B6BVF6
UniRef90_B6BVF6
UniRef90_D3UY66
UniRef90_D3UY66
UniRef90_D9JU90
UniRef90_B9JU90
UniRef90_B9JU90
UniRef90_B9JU90
UniRef90_B9JU90
UniRef90_B9JU90
    UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
  UniRef90_UPI0003C17E33
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
    UniRef90_I2JEP5
UniRef90_D0CPP2
                                                                                                                                                                                                                                                                                                                                      A
N
L
I
  UniRef90_W6W2L1
UniRef90_UPI0003F63C99
  UniRef90_UPI0003797B49
UniRef90_G3IR20
```

UniRef90_I4A035

UniRef90_D0T762 UniRef90_W8UDC1 UniRef90_W5YX43	370 380 390 400 V H Y F Q G E V L G G F Y F D L Y A R S G K R G G A WM S G F R S R M C Y M V C L Y D E H N E L R G S F Y L D L Y A R E H K R G G A WM D D C V G Q M A Y L T C L F A V A E K L F D V Q Y L D L Y A R Q G K R G G A WM A D C R V R W A F L T C L F K I V E R L Y G L Q Y F D L Y A R S G K R G G A WM S G F R S R M C Y M V G
UniRef90_A0A031LWL8 UniRef90_R1XQ86 UniRef90_K4L0E1 UniRef90_Q736P7	WSSIFKKI VERLYGILQYFDLJYARSGKRGGAWMSGFRSRMCYMVG WSSIFKKI ITESWIDWDSKPGKRPGGAWMDECRVRRAYLTC FGSLDNEVRAYFYLDLJYARSKKRGGAWMDECRVRRAYLTC FYFFFILHIRKAGILDVFFRFNKAPGAACFTIPSKGVFVYS
UniRef90_Q6F7U8 UniRef90_F2BA83 UniRef90_F1W0U6 UniRef90_R6GSC0	Y GE DOGK VIA GEYED LIYARS GKR GGA WMS GERS R MCY MVC Y GVR LIKRTILG GVY MDLYAREGKR GGA WMN DYK GRRAYL VC DVK F F RIJERD GKYILD FYARS GKR GGA WMD DARGRRAYL TC
UniRef90_V5C7B4 UniRef90_UPI000365FD28 UniRef90_UPI00036E136E	L S
UniRef90_A4G351 UniRef90_U4K9U0 UniRef90_W0E673 UniRef90_C3XBL0	S
UniRef90_K2JLX7 UniRef90_Q07WB5 UniRef90_D2TA04 UniRef90_UPl0003956C69	DADKVHRG SFYLDLYARAGKRGGAWMADCVSRRAFLTC DADKVHRG SFYLDLYARSGKRGGAWMDDCRGRRAYLTC FFDLFDELRGSFYLDLYARENKRGGAWMDDCVGQMAYLTC
UniRef90_S3PPR5 UniRef90_D2U091 UniRef90_Q3SG70	RHDVEIWHPDVRYLDLYARASKRGGAWMSGFRSRMCYMVG LYDRAGQRIGQFYLDLYARASKRGGAWMNDCAGKVAYLTC LYDRAGQRIGQFYLDLYARASKRGGAWMDGMQTPVAYLNC
UniRef90_B2JJB5 UniRef90_UPI0003633E5D UniRef90_A8FPI5 UniRef90_UPI0004762199	L F K V T E T L F A Q F Y L D L Y A R E G K R G G A WM D D A R S R R A Y L T C L F A V V E K L F G Q F Y T D L Y A R P K K R G G A WM D D C V S R K A Y L T C Q K E F D S WH K D V R Y F D L Y A R E G K R G G A WM D D C R V R R A Y L T C T V R F F D I F D E N E Y L D P Y A R P H K R G G A WM D E C I L R WA Y L V C
UniRef90_UPI0004772D68 UniRef90_K8BEM8 UniRef90_A6VPP5 UniRef90_UPI00031F4F71	TVRFFDIEDENEYLDPYARPHKRGGAWMDDCRVRRAYLIC SVRFFDILVGQFYLDLYARPHKRGGAWMDDCIIRWAYLVC SVRFFDILVGQFYLDLYARNSKRGGAWMDDVITRRAYLNC RKDIDVWHPDVRYLDLYARENKRGGAWMDDCVGQMAYLTC TYHKDVRFFDSFYLDLYARENKRGGAWMDDCVGRRAYLTC SVRFFDILRGSFYLDLYAREHKRGGAWMDDCCVGRRAYLTC YGDADGKLVALFYADFHPRPGKRGGAWMDDCAGRMAYLTC
UniRef90_A4CJR6 UniRef90_W1J611 UniRef90_D8KBK6 UniRef90_D2UFP5	Y G R F F D D F G Y L D L Y A R S N K R G G A WMD D C L S R K A Y L T C D V R F F R L S D A O G Y L D L Y A R F G K R G G A WMD D G R N R R V Y L V C
UniRef90_A6VS31 UniRef90_A9CU89 UniRef90_M7PIK0	V F DV A H K L F GIL I MIL P Y F A R P S K R S G A WM S G M Q S Q H P I I I N
UniRef90_Y0KDW5 UniRef90_G0A0D7 UniRef90_UPI0004690536 UniRef90_K2KJB1	Y G D K N N Q L R G R F Y L D L Y A R A K K R G G A WM D D C V C R R A Y L T C M F R V V E N L Y G R F Y L D L Y A R P G K R G G G WM D D A L S R R A Y L N C L F A V V H K L F G S F Y L D L Y A R E G K R G G A WM D D C R G S R A Y L T C
UniRef90_H3KG74 UniRef90_Q6LLL3 UniRef90_I3CE63 UniRef90_M5R1F4	LIK GEDT WHP DIVINE EDITY ARANK R G G A WMD G ARD R RANK V C
UniRef90_UPI00036C5FEB UniRef90_L0GXQ6 UniRef90_UPI000363541F UniRef90_C9PRH7	
UniRef90_H5SHV0 UniRef90_Q5QVY8 UniRef90_E1SVB8 UniRef90_Q3JEK8	L F DR D Q R V V G Q F Y L D L Y A R A G K R G G A WMD D A L R Q N K R G G A WMD D C T S R V A Y L V C D A S F Y E L S D Q Q R Y L D L Y A R H G K R G G A WMD D C L T R R A Y L T C T WH K D V R F F D S F Y L D L Y A R P K K R G G A WMD D C L G R R A Y L T C Y G F T V R E L R G R F Y L D L Y A R P K K R G G A WMD D C V A R A F L T C L F E V V K R L F G M F Y L D L Y A R Q N K R G G A WMD D C Q G R R A Y L T C Q V R F F D L F D D S G Y L D L Y A R Q N K R G G A WMD D C Q G R R A Y L T C Y F E V C R D V L A S F Y A D L Y A R E G K R S G A WMD A L Q T P V A Y L V C Y Y E L E D H G D F Y L D L Y A R S G K R G G A WMD D C R N R R V V V V C D V R F Y R R L G O F Y L D L Y A R S G K R G G A WMD D C R N R R V V V V C D L Y A R S G K R G G A WMD D C R N R R V V V V C D L Y A R S G K R G G A WMD D C R N R R V V V V C D L Y A R S G K R G G A WMD D C R N R R V V V V C D L Y A R S G K R G G A WMD D C R N R R V V V V C D L Y A R S G K R G G A WMD D C R N R R V V V V C D L Y A R S G K R G G A WMD D C R N R R V V V V C D L Y A R S G K R G G A WMD D C R N R R V V V V C C R D V L D L Y A R S G K R G G A WMD D C R N R R V V V V C C R D V R S G K R G G G A WMD D C R N R R R V V V V C C R D V R S G K R G G A WMD D C R N R R R V V V V C C R D V R S G K R G G A WMD D C R N R R R V V V V C C R D V R S G K R G G A WMD D C R N R R R V V V V C C R D V R S G K R G G A WMD D C R N R R R V V V V C C R D V R S G K R G G A WMD D C R N R R R V V V V C C R D V R S G K R G G A WMD D C R N R R R V V V V C C R D V R S G K R G G A WMD D C R N R R R V V V V C C R D V R S G K R G G A WMD D C R N R R R V V V V C C R D V R S G K R G G A WMD D C R N R R R V V V V C C R D V R S G K R G G A WMD D C R N R R R V V V V C C R D V R S G K R G G A WMD D C R N R R R V V V V C C R D V R S G K R G G A WMD D C R N R R V V V V C C R D V R S G K R G G A WMD D C R N R R V V V V C C R D V R S G K R G G A WMD D C R N R R V V V V C C R D V R S G K R G G A WMD D C C R N R R V V V V C C R D V R S G K R G G A WMD D C C R N R R V V V V C C R D V R T C R T T T T T T T T T T T
UniRef90_K1JST7 UniRef90_V2TK71 UniRef90_E6WWA5	Y F E V C R D V I A S F Y A D L Y A R E G K R S G A WMD A L Q T P V A Y L V C Y Y E L E D H G I A G F Y L D L Y A R S G K R G G A WM D A C R N R R V Y V V C D V R F Y R R L L G Q F Y L D P Y A R E G K R G G A WM D D C R N R R V Y V V C M F E V V G R L F S V H Y F D L Y A R Q N K R G G A WM A Q C Q S R M A Y M T C Y G I E L R E V A D R F F L D L Y A R S H K R G G A WM D G A R D R R A Y L V C
UniRef90_B8KRE7 UniRef90_A0A031MD77 UniRef90_F0F0D2 UniRef90_A0A023BRI6	L F A Q L D Q L Y G V R Y M D L Y A R E G K R S G A WM N D Y R G R R A Y L V C V E T V A H K L F G L Q Y A D F H P R P G K R N G A WM T S Y K S Q H V S L V C C
UniRef90_K0MIP9 UniRef90_UPI0003627513 UniRef90_F5ZFQ5 UniRef90_A0A023NX66	Y G D S A D A L R G S F Y L D L Y A R A H K R G G A WMD E C V V R WA Y L V C Y G D S A D A L R G S F Y L D L Y A R A K K R G G A WMD E C R V R R A Y L T C L F G L T Q R L F A G A Y V D L Y A R N G K R G G A WMD V C R A R V A F L T C
UniRef90_UPI00036656D1 UniRef90_K6Y7Z3 UniRef90_UPI0002ED9650 UniRef90_A0Y9C8	Y G D A D N Q H R G S F Y F D L Y A R E K K R G G A WMD D C R S R R A Y M V C
UniRef90_M4XQT5 UniRef90_L0WBC9 UniRef90_F2G728 UniRef90_B6BVF6	FDKNDRLRGSFYLDLYARENKRGGAWMDDCINQKAYLTCFGLRFRQRQDVEYLDMYARTGKRGGAWMDDARIRRAYLTCYGDDADALRGSFYLDLYARAKKRGGAWMDECRVRRAYLTCYYFILODLIGSFYLDLYARKNKRGGAWMDECLISKVAYLTC
UniRef90_F6DBJ5 UniRef90_D3UY66 UniRef90_J0QDI0	FVKFFQVLRDGNYLDIFAREQKRGGAWMDGARDRANLVC FVKFFQVLRDGNYLDIFAREQKRGGAWMDDCINQKAYLTC IFDKNDRLRGSFYLDLYARENKRGGAWMDDCINQKAYLTC FGIRFRQRQDVEYLDMYARTGKRGGAWMDDARIRRAYLTC YGDDADALRGSFYLDLYARAKKRGGAWMDECISKVAYLTC YYELLQDIIGSFYLDLYARAKKRGGAWMDECISKVAYLTC MFSLVTRLFNVHYLDLYARENKRGGAWMDVHSRWAYLVC RRDVETWLLGSFYLDLYARENKRGGAWMNSYVGRMAYLTC AFGVAEKLFDHFIGDYFARSSKRSGAWMSSLQSQHKYNVC CFAVAQKLFGIFLGDYFARSSKRSGAWMSSFQSQHKYNVC CFAVAQKLFGIFLGDYFARSSKRSGAWMSSFQSQHKYNVC
UniRef90_B9JU90 UniRef90_A4BVQ6 UniRef90_UPI00037B0DF6 UniRef90_UPI0003C17E33	LFAVVEKLFAGFYLDAFAREKKRGGAWMQGLQLPLAYLVC LFKIVETLFDHPAVEFYERSTPQGPQLVGQFYLDQPARSG
UniRef90_C0BM75 UniRef90_UPI00036470F7 UniRef90_UPI00037EDE10 UniRef90_I2JEP5	Y G D N K G T F I V IS Y F Y T D F H P R P G K R G G A WM T S F R S Q Q II A II V C C P D V A R R I F G I F L G D Y F A R A S K R S G A WM S F Q S Q H R Y N V C Y Y E L M R D G F G G V Y M D L F A R E G K R G G A WM N D Y R G R R A Y L V C I L F D II D II D A A V D H F Y L D L I Y A R N N K R G G A WM A N A R G R R S F L V C
UniRef90_D0CPP2 UniRef90_W6W2L1 UniRef90_UPl0003F63C99 UniRef90_UPl0003797B49	AFSCANRLFGLEFAPYFARGSKRSGAWCKFPKVQAPVVINCFDVAERLFGVKVVDYFARSSKRSGAWMNSLQSQHKYNVCYGDESGNFVSVFYADYFPRAGKRNGAWMTSYKGQHVSIVCYGITFEESFEIDYADFFPRKGKRNGAWMTSYKSQHISIVC
UniRef90_UP10003797B49 UniRef90_G3IR20 UniRef90_I4A035	LFAI VEKLYGQFYLDLYARAKKRGGAWMTSYKSQHISI VC AFELAEKLYNLLYTDFFPRAGKRPGAWMTSYRDGHUSI VC

	410 420 430 4	140
UniRef90_D0T762	NFTPPHDEVNTLIFHEFGHGLHHMLTEVDNI SVAGGVEWDA	Α .
UniRef90_W8UDC1 UniRef90_W5YX43	N F N F T H D E V T L F H E F G H G L H H M L T R L D T A G V S S G V P W D A N F T P P H D E V T T L F H E F G H G L H H M L T Q V D V L D V S G G V A W D A	4
UniRef90_A0A031LWL8	NFTPPHDEIVVITILIFHEFGHGILIHHMILITEIVIDHII ISIVIAGGIVIAWDA	4
UniRef90_R1XQ86 UniRef90_K4L0E1	N WT D D L N G L F A L A H E S M G A I L N Y Q S R N V N F L N V Q H S I F L N F T P P F D E V T T L F H E F G H G L H H M L T K M D V A A V S G G V A W D A	Δ
UniRef90_Q736P7	N F S P S F Y A N A L H E V G H A F H F Y K Q F K N D S S M Q E R Y R E E \	/
UniRef90_Q6F7U8 UniRef90_F2BA83	N F T P P H D E V N T L F H E F G H G L H H M L T E V D N T S V A G G V A W D A N F T P P H D E I V T L F H E T G H C L H H L L T E V D E L G V S G G V E W D A	
UniRef90_F1W0U6	N F T F T H D E V I T L F H E F G H G L H H M L T Q V D E I G V S S G V E W D A	
UniRef90_R6GSC0 UniRef90_V5C7B4	NCDGTAGDIVITIVIYTHEILIGHGILIOGYILISILIRSOPIVIAYIVIGILISPDIL	
UniRef90_UPI000365FD28	N F T P T H N E IV T T IL IF H E F G H G IL IH H M IL IT Q II IE Y A D IV IS G G IV IA W D A	4
UniRef90_UPI00036E136E UniRef90_A4G351	NETRPHDEIVITTILIEHEEGHGILIHHMILITQQSIVIADILISGGIVIAWDA	4
UniRef90_U4K9U0	NFTFTHDEVITLEHEFGHGLHHMLTRVEELGVSSGVEWDANFNFTHDEVVTLFHETGHGIHHMLTQIDVSAVSGGVPWDANFAPPHDEVETLFHEFGHGLHHLLTKVDYPAVAGGVPWDA	4
UniRef90_W0E673 UniRef90_C3XBL0	NFAPPHDEVETLEHEFGHGLHHLLTKVDYPAVAGGVPWDANFSFTHDEVMTLEHEFGHGLHHLLTKVGELGVSSGVEWDA	4 4
UniRef90_K2JLX7	N F S F T H D E V VT L F H E F G H G L H H M L T Q V D V A G V S G G V A W D A	4
UniRef90_Q07WB5 UniRef90_D2TA04	NFNFTHDEVTTMFHEFGHGI HHMLTKVDVGGVSGGVPWDANFNFTHNEVTTLFHEFGHGLHHMLTRIETPGVSGGVPWDA	
UniRef90_UPI0003956C69	N F N F T H D E V V T L F H E F G H G I H H M L T Q V D V A D V S G G V P W D A	Α
UniRef90_S3PPR5 UniRef90_D2U091	N F N F T H D E IV I IT IL IF H E F G H GIL IH H MIL IT QII IDIVIA DIVIA G GIVIP W D A	4
UniRef90_Q3SG70 UniRef90_B2JJB5	N F S F T H D E V I T L F H E M G H G L H H L L T Q I E E L G V S G G V E W D A N F C F T H D E V L T L F H E F G H G L H H M L T R V D E L G V S G G V E W D A	A 2
UniRef90_UPI0003633E5D	N F T P P H D E IV IT T IL IF H E F G H G IL IH H M IL IT Q II ID H IL IGIV IS G G IV IE W D A	4
UniRef90_A8FPI5 UniRef90_UPI0004762199	NFNFTHDEVTTLFHEFGHGI HHMLTKI DVAGVSGGVPWDANFDAPHDEVTTLFHEFGHGLHHMLTQGTELSVSGGVPWDA	
UniRef90_UPI0004772D68	N F Q F T H D E IV I IT IL IF H E F G H G IL IH H IL L IT E G E D IL IA IV IS G G IV IE W D A	4
UniRef90_K8BEM8 UniRef90_A6VPP5	NENETHDEIVITTILIEHEEGHGILIHHMILITKILIDIVIGDIVISGGIVIPWDA	4
UniRef90_UPI00031F4F71 UniRef90_A4CJR6	NFNFTHNEVTTLFHEFGHGI HHMLTQI DVSSVSGGVPWDANFTRPFDEVTTLFHEFGHALHGMLADTTYPGLSTSVYWDF	4
UniRef90_W1J611	N F N F T H D E IV I ITIL IF H E F G H GIL IH H MIL IT E II IE T IL IDIVIS G GIV IP W D A	4
UniRef90_D8KBK6 UniRef90_D2UFP5	NLT F T H N E V I T L F H E F G H G L H H L L T K V D Y P S V T G G V L W D A N F T F T H N E V V T L F H E M G H G L H Q L L T Q V G E L G V A G G V E W D A	
UniRef90_A6VS31	N F T P P H D F IVIT TILLE H F F G H GILLH H MILLT QIVIDIVIS SIVIS G GIVIA WD A	4
UniRef90_A9CU89 UniRef90_M7PIK0	VMNFSEDDDARTLEHEFGHALHGMLSDVTYPSLSTSVSRDF NFSFTHDEVTTLEHEFGHGLHHMLTKIDYAGVSGGVAWDA	
UniRef90_Y0KDW5	N F S F T H D E IV I IT M F H E F G H GIL IH H MIL IT QIVID E Y GIVIS G GIVIE W D A	A
UniRef90_G0A0D7 UniRef90_UPI0004690536	NFTPPHDEVQTLFHEFGHGLHHMLTQIDHLGVSGGVEWDANFSFTHDDVITLFHEFGHGLHHLLTQVEDLGVSGGVEWDA	
UniRef90_K2KJB1	N F S F T H D E IV I IT IL IF H E F G H G IL IH H M IL IT R II IE IV IA E IV IA G G IV IP W D A	A
UniRef90_H3KG74 UniRef90_Q6LLL3	N F N F T H D E L V T L F H E T G H G I H H M L T Q V D A P S V S G G V P W D A	Ą
UniRef90_I3CE63 UniRef90_M5R1F4	N F P P P H N DIV I ITII IF H F F G H GII IH H MII IT KIVID Y A PIVIS G GIVIS W D A	
UniRef90_UPI00036C5FEB	N F Y F S F D D V T T L F	Ā
UniRef90_L0GXQ6 UniRef90_UPI000363541F	NFSPPHNDVETLFHEFGHGLHHMLTKVDYPÄVTSGVPWDANFSFTHDEVTTLFHEFGHGLHHMLTQVDEYSVSGGVEWDA	Α Δ
UniRef90_C9PRH7	N F N F T H D E V T L F H E F G H G I H H M L T Q I D V A D V A G G V P W D A	4
UniRef90_H5SHV0 UniRef90_Q5QVY8	NFTPPHDEVLTLFHEFGHGLHHLLTQVDYLAASGGVEWDANFSFTHDEVLTLFHEFGHGLHHMLTQVDTAGLSGGVEWDA	4
UniRef90_E1SVB8	NENETHDEV VITI EHEEGHGILHHMI ITRI EDAPGI NGVPWDA	Δ
UniRef90_Q3JEK8 UniRef90_K1JST7	NET PPVD DV I T L F H E F G H G L H H L L T K I D Y P S V I S G V F W D A N F T L T H D D V T T L F H E F G H G L H H L L T D Q T E V A V S S G V E W D A N F T P P H D E V L T L F H E F G H G L H H M L T E V D N I A V S G G V A W D A	4
UniRef90_V2TK71 UniRef90_E6WWA5	NFTLTHDDVTTLFHEFGH <mark>C</mark> LHHLLTDQTEVAVSSGVEWDANFTPHDEVITLFHEFGHGLHHMLTEVDNIAVSGGVAWDANFTLGFNEVTTLFHEMGHGLHQLLTANGELPVAGGVEWDA	A 2
UniRef90_B8KRE7		À
UniRef90_A0A031MD77 UniRef90_F0F0D2	NFTPPHDEVTTLFHEFGHGLHHLLTRVDYPAASGGVAWDANFTPPHDEI TTLFHEMGHGLHHLLTRVDELGVSGGVEWDA	4
UniRef90_A0A023BRI6 UniRef90_K0MIP9	NFTPPHDEI TTLFHEMGHGLHHLLTRVDELGVSGGVEWDANFTKPFNEVTTLFHEFGHALHGMLANTTYPGLSTSVYWDFNFSRPHDDVITLFHETGHALHALLSEVDEPAAFASVEWDA	=
UniRef90_UPI0003627513	N F D A P H D E V M T L F H E F G H G L H H M L T E V K T R G V S G G V P W D A	<u>م</u>
UniRef90_F5ZFQ5 UniRef90_A0A023NX66	NFNFTHDEVVTLFHEFGHGLHHMLTKMSVAGVSGGVPWDANFAPPHDDVLTLFHEFGHGLHHLLTELALPSLGGGVEWDA	Α Δ
UniRef90_UPI00036656D1	T F D G H A A S I L H L A H E L G H A Y H H V R Q D G Q T E F Q R E S A L M L	Ż
UniRef90_K6Y7Z3 UniRef90_UPI0002ED9650	NFSFTHDEVVTLFHEFGHGLHHMLTKTEAGGVSGGVAWDANFAPTHDEVTTLFHEFGHGLHHLLTRVEHVGVSGGVAWDA	Α Α
UniRef90_A0Y9C8	NFTPPHNEVITIL FHEFGHGLHHMLTEI DCAAVSGGVPWDANFNFTHDEVITIL FHEFGHGLHHMLTEI DVGDVAGGVPWDA	Ä
UniRef90_M4XQT5 UniRef90_L0WBC9	NFNFTHDEVTTLFHEFGHGI HHMLTEIDVGDVAGGVPWDANFAPPHDEVVTLFHEFGHGLHHMLTEQEVSGI SGGVAWDANFNFTHDEVVTLFHEFGHGI HHMLTKMRVAGVSGGVPWDA	4
UniRef90_F2G728	NFNFTHDEVVTLFHEFGHGIHHMLTKMRVAGVSGGVPWDANFSFTHDEVITLFHECGHGLHHLLTEISEFNVSGGVEWDA	Α ^
UniRef90_B6BVF6 UniRef90_F6DBJ5	N F T P P H N E V T T L F H E F G H G L H H M L T E M E H I N I S S G V P W D A	Α .
UniRef90_D3UY66 UniRef90_J0QDI0	N F N F T H N E V T T L F H E F G H G L H H M L T Q V E T L D V A G G V P W D A N F A K P L D D A H T L F H E F G H A L H G L L S D V T W P S V G T S V S R D F	<u> </u>
UniRef90_B9JU90	NFAKPLDDARTLFHEFGHALHGMLSDVTYPSVSGTVSRDF NFTPPHEEVLTLFHEFGHGLHHMLTRVDWPGVSGGVPWDA	=
UniRef90_A4BVQ6 UniRef90_UPI00037B0DF6	NFTPPHEEVLTLFHEFGHGLHHMLTRVDWPGVSGGVPWDANFSPTHYEVTTLFHEFGHGLHHMLTKIDVAAVSGGVAWDA	Α Α
UniRef90_UPI0003C17E33	NHKIOHDDIVITILEHET GHGILHHMILT OVNER DVS A GVE WD A	Ž.
UniRef90_C0BM75 UniRef90_UPI00036470F7	NEAKPILIDDARTILIEHEEGHAILIHGMILISNTYPSIVISGTSIVISRDE	-
UniRef90_UPI00037EDE10	NFTPPHDET LTMFHEMGHGLHHELTKVDELGVSGGVEWDANESPPHNEVTTLFHEFGHGLHHMLTQLDCLSVSSGVAWDA	Ą
UniRef90_I2JEP5 UniRef90_D0CPP2	N F S P P H N E V T T L F H E F G H G L H H M L T Q L D C L S V S S G V A W D A V C N F S Y D D A R T L F H E F G H A L H Q M L S N T Y E S I S G T S V A R D F	1
UniRef90_W6W2L1	NFSPPHNEVTTLFHEFGHGLHHMLTQLDCLSVSSGVEWDAVCNFSYDDARTLFHEFGHALHQMLSNTYESISGTSVARDANFAKPLDDARTLFHEFGHALHGMLSDTYPSVSGTGVSRDANFTKPFNEVTTLFHEFGHALHGMLARTYESLSGTSVFWDANFTKPFNEVTTLFHEFGHALHGMLARTYESLSGTSVFWDANFTKPFNEVTTLFHEFGHALHGMLANRYPSLSGTSVFWDANFTKPFNEVTTLFHEFGHALHGMLANRYPSLSGTSVFWDANFTPPHDEVTTLFHEFGHALHGMLANRYPSLSGTSVFWDANFTPPHDEVTTLFHEFGHALHGMLANRYPSLSGTSVFWDANFTPPHDEVTTLFHEFGHALHGMLANRYPSLSGTVEWDANFTPPHDEVTTLFHEFGHALHGMLANRYPSLSGTVEWDANFTPPHDESVTTLFHEFGHALHGMLANRYPSLSGTVEWDANFTPPHDESVT	=
UniRef90_UPI0003F63C99 UniRef90_UPI0003797B49	NFTKPFNEVTTLFHEFGHALHGMLARTYESLSGTSVFWDFNFTKPFNEVTTLFHEFGHALHGMLANRYPSLSGTSVYWDFNFTPPHDEVTTLFHEFGHGLHHMLTQVDHLGVSGGVEWDA	=
UniRef90_G3IR20	NFTPPHDEVITILEHEFGHGLHHMLTQVDHLGVSGGVEWDA	4
UniRef90_I4A035	NFTKPFSE V TT L FHEFGHA L HG L ANTQYAS L GTN V YWDF	-

UniRef90_D0T762 UniRef90_W8UDC1 UniRef90_W8UDC1 UniRef90_W5YX43 UniRef90_R1XQ86 UniRef90_R1XQ86 UniRef90_Q6F7U8 UniRef90_Q6F7U8 UniRef90_F2BA83 UniRef90_F2BA83 UniRef90_R6GSC0 UniRef90_V5C7B4 UniRef90_UPl000365FD28 UniRef90_UPl000365FD28 UniRef90_UPl00036E136E UniRef90_UPl00036E136E UniRef90_UAK9U0 UniRef90_UAK9U0 UniRef90_G3XBL0 UniRef90_C3XBL0 UniRef90_C3XBL0 UniRef90_UPl0003956C69 UniRef90_D2TA04 UniRef90_UPl0003956C69 UniRef90_D2U091 UniRef90_D2U091 UniRef90_D2U091 UniRef90_B2JJB5 UniRef90_UPl0003633E5D UniRef90_UPl0004762199 UniRef90_UPl0004762199 UniRef90_UPl0004772D68 UniRef90_K8BEM8 UniRef90_K8BEM8 UniRef90_A6VPP5 UniRef90_W1J611 UniRef90_A4CJR6 UniRef90_W1J611 UniRef90_D8KBK6 UniRef90_D2UFP5 UniRef90_D2UFP5 UniRef90_D8KBK6 UniRef90_M7PIK0 UniRef90_A9CU89 UniRef90_M7PIK0 UniRef90_A9CU89 UniRef90_M7PIK0 UniRef90_A9CU89 UniRef90_M7PIK0 UniRef90_H3KG74 UniRef90_UPl00036C5FEB UniRef90_UPL00036C5FEB UniRef90_UPL00036C5FEB UniRef90_UPL00036C5FEB UniRef90_UPL00036C5FEB UniRef90_UPL00036C5FEB UniRef90_UPL00036C5FEB UniRef90_UPL00036C5FEB UniRef90_UPL00036C5FEB UniRef90_UPL00036C5FEB UniRef90_UPL00036C5FEB UniRef90_UPL00036C5FEB UniRef90_UPL00036C5FEB UniRef90_UPL00036C5D01 UniRef90_UPL00036C5D01 UniRef90_UPL00036C5D01 UniRef90_UPL00036C5D01 UniRef90_UPL00036C5D01 Uni	AND ON A CANAGA AND AND AND A CANAGA AND AND A CANAGA AND AND A CANAGA AND AND A CANAGA AND AND A CANAGA AND AND A CANAGA AND AND A CANAGA AND AND A CANAGA AND AND A CANAGA AND AND A CANAGA AND AND A CANAGA AND AND AND A CANAGA AND AND A CANAGA AND AND A CANAGA AND AND A CANAGA AND AND A CANAGA AND AND A CANAGA AND AND A CANAGA AND AND A CANA	⋷ ┖ ┖ ┖ ┖ ┖ ┖ ┖ ┖ ┖ ┖ ┖ ┖ С С С С С С С
	VELPSQFMENWAWERFARHYESGAALPAEFFQQLKAGRNVEMPSQFLENWCWQPQAHFETSDPLPKELLDKMLFQSAMVELPSQFMENFCWEWEVLHVDTGEPLPRALYDKMLFQSAMVELPSQLMENWCYEALSLFAKHYKDHTLIPMELVQKIKQVELPSQLMENWCYEALSLFAKHYKDHTLIPMELVQKIKQVELPSQLMENFVWELDVEHEQTGEALPKALYDKMIAAKNVELPSQFLENWCWEKSVAHYQSGEALPVDMLDKLLAAKNVELPSQFLENWCWEKSVAHYQSGEALPVDMLDKLLAAKNVELPSQLYEHWLEVPEVLHAETGKPMPPEMLEKVLGAANVELPSQLYEHWLEVPEVLHAETGKPMPKALLDKVLFNAGFVELPSQLYEHWLTKYAVHHETGKPMPKALLDKVLFNAGFVELPSQLYEHWLTKYAVHHETGKPMPKALLDKVLFNAGFVELPSQLYEHWLTKYAVHHETGKPMPKALLDKVLFNAGFVELPSQLYEHWLTKYAVHHETGKPMPKALLDKVLFNAGFVELPSQLYEHWLTKYAVHHETGKPMPKALLDKVLFNAGFVELPSQLYEHWLTKYAVHHETGKPMPKALLDKVLFNAGFVELPSQLYEHWLTKYAVHHETGKPMPKALLDKVLFNAGFVELPSQLYEKEDLFAVHYKTNEMIPIELVQKIKS	F F F A N F F F A

UniRef90 D0T762	490 500 510 520 REROVEFALEDITUHKM TPAILINS POLICIO A LIDDURE O Y		
UniRef90_W8UDC1	LIRQLEFGLFDFRLHAEYKPEQGAKLLETLAELK		
UniRef90_W5YX43	MVRQLEFSLFDFRLHAEFTLDAPTNPLDMHRKVRSEL		
UniRef90_AUAU31LWL8	VIKTIINTEEERKSES II <mark>HH</mark> SESIIDSIITIISKI VERVSKSII		
UniRef90 K4L0E1	MVRQLEFALFDFELHRQPAPGSTAQVQQL LDQVR		
UniRef90_Q736P7	LLSSI AGDVFQHWIYT NPNHTPEERDKKYAEL CKRY		
UniRef90_Q6F7U8	QILIR QILIE FAILIF DILITII HAK NPAILIN S SGII Q NIV LIN DII R		
UniRef90_F1W0U6	QL R QVE F S L F D ML L H D D F D A S G S D AVA T L I G S V R E		
UniRef90_R6GSC0	MCAFCSUHTFETWLYEHPDASLAQWAEEFDRIEKSFGRAQ		
UniRef90_V5C/B4 UniRef90_UPI000365FD28	MIVIR QILE F SILE DE KILIH R DE E P G VI D'A LL IG G RII IY E I IL E K V R MVR OIL E E SILE DE KILIH R DE E P G VI SIVIO OIL I DE IVIR		
UniRef90_UPI00036E136E	MILIR QILEF SILIF D F RILIHHE LVAPKTS DVQ SLLDEVR		
UniRef90_A4G351	QLRQVEFSLFDMHLHYDYQPDGKQSVQDV		
UniRef90_U4K9U0 UniRef90_W0E673	MIVIR OIL E FAIL IF DERIL HELEY D PARGGRI QEIL LOSVR		
UniRef90_C3XBL0	MLRQVEFSLADMHLHYDYDPNGRKTVQDV LDAIR		
UniRef90_K2JLX7	MVRQLEFSLFDMRI HREFDGSEQHSVKQL LLQQVR		
UniRef90_D2TA04	LIR QLEFGLEDFRLHAEFD PAKGAQI LOMLKEIK		
UniRef90_UPI0003956C69	MIL R QIL E F SIL F D F RIL F S E F D D D D D D D D D D D D D D D D D D		
UniRef90_D2U091	I LR QLEFGLFDFRLHTEY SPQKSGQI LISTLOSVK		
UniRef90_Q3SG70	QLRQIEFASFDMHLHDDFDPNGVRTAQDLIDDLRKKV		
UniRef90_B2JJB5 UniRef90_UPI0003633F5D	QSGMMMVRQLEFSLEDFR I HRDYDPKKGGRIIYOTI FOVR		
UniRef90_A8FPI5	QSGMGMLRQLEFSLFDFRMHLE YSPEKGANIQAKLDEVR		
UniRef90_UPI0004762199 UniRef90_UPI0004772D68	OLIR OLIFE SILED MILM HS OF FAGGGOTILLOLLOFIVER REV		
UniRef90_K8BEM8	TIR QLEF GLEDFRUH A Q FSPEQGAKVIETUAEUK		
UniRef90_A6VPP5	V L R Q L E F G L F D F R L H H N Y E P G K P D C A B V L E T L Q S V K		
UniRef90_A4CJR6	QEGIATVRQLSFGFLDMAWHGG NPSDLTDVKAHESEAF		
UniRef90_W1J611	LLRQLEFGLEDERLYSEYD PAKGAQI LPTLQSVK		
UniRef90_D8KBK6 UniRef90_D2UFP5	AIVIR OIL E FAIL IF D FRIL IN LIE Y D AIVIR OIL E FAIL IF D M OIL H N S A P V D A A GIV L OIL L E R V R		
UniRef90_A6VS31	MMRQLEFSLFDFRLHMEYQKGISVQS VINDVR		
UniRef90_A9CU89 UniRef90_M7PIK0	DAGFGAVEFIASAL VIDMAWHIGGAKADPAIFEAEILKKILG MUROUFESUFDERU HUJEED PAOSNOVEOU LEOVR		
UniRef90_Y0KDW5	QVRQIEFSLFDMRLHGDFDPNGKQTALDLIEQVRDEVAVV		
UniRef90_G0A0D7	MIVIR QILIEFSILIFD F KII H Q N Y D P A K G G R L Y Q T L Q Q I R MI IR OI I F F A I F D M H I H A D F S P G F G K T A O O I		
UniRef90_K2KJB1	MILIR QILEFALIFDFRILHKEFD PAQGAHIQAVLIDQVR		
UniRef90_H3KG74	CVRQVEFALEDMIL HTSFDP EKDDVQKTI EAVR		
UniRef90_QbLLL3	200 Control	UniRef90_M5R1F4	MVRQLEFSLEDFELHA THE GDGRSVAQVLDGIR
UniRef90_UPI00036C5FEB	MVROLEFALFDFRLHREYD PAOGGRVYFIIIDAVR		
UniRef90_UPI000363541F	QVRQIEFSLEDMRLHSNFDPAGKQTALDVLEQVREEVAVL		
UniRet90_C9PRH7 UniRet90_H5SHV0	MVR OU FEAU FDERUHUEYD HHFDPSKQNQU LIDTLKAVK		
UniRef90_Q5QVY8	MMR QLEFSLFDMRI HHEFDENTGARISEI LSEVR		
UniRef90_E1SVB8 UniRef90_Q3JEK8	MILIR QILIE FAILIF DE RILIHILE Y SELIQ DA DP		
UniRef90_K1JST7	CVRQVEFALFDMLLHTSFNPDTDDVQDLLQDVRREV		
UniRef90_V2TK71	QLRQLEFALFDFTI HQK SPALNAESI QKTLDDLRKQL		
UniRef90_E6WWA5 UniRef90_B8KRE7	MVRQLEFSLFDFKLHLEFD PESGASVYDTLNEVR		
UniRef90_A0A031MD77	MLRQUEFSLFDFELHAQGDNGRGAR		
UniRef90_F0F0D2 UniRef90_A0A023BRI6	A T F M E G M A T L Q L S F G L L D M S WH A Q D P G S I K D V K A H E K T T F		
UniRef90_K0MIP9	QVRQIEFALFDMMLHDRPQGAPLADVLALLQQVRQEVAVL		
UniRef90_UPI0003627513 UniRef90_F5ZFQ5	MIVIR QILIEFSILIFDFILLINSEYEPNGEQSIVQDILLIDQIVIN NEIVI MIVIR QILIEFSILIFDFILLINSEVIR		
UniRef90_A0A023NX66	HVRQLEFAMEDEL LHLEYDPAKGARAMEVLEEVRH		
UniRef90_UPI00036656D1 UniRef90_K6Y7Z3	UV LIGILIA R S R F E E II V V ID Q R R S G PLIT E V D F D T A A A A A N Q II V K N Y Q S A M Q M V R Q II FI I S M F D F T I I H Q Q S N A F K S V Q Q O I I D F V R		
UniRef90_UPI0002ED9650	MVRQLEFALFDFELH ATHGDGRSVAQVLEGVRNEVSVM		
UniRef90_A0Y9C8 UniRef90_M4XQT5	MIVIR QILIE FAILIF DMKII HGEYSVDHPRSII QTVLDEVRGKL		
UniRef90_L0WBC9	MMR QLEFSLFDMRI HAEYQPG		
UniRef90_F2G728	MVRQLEFSLEDFLLHS EKGGDVDVQ GTLDKVR		
UniRef90_B6BVF6 UniRef90_F6DBJ5	LLRQLEFSLFDFILHUDYDPSKPNNVIELIQRIRDEV		
UniRef90_D3UY66	KNYQAAMALLRQLEFGLFDLHVEYDPAKGAQLLPTLQSVK		
UniRef90_J0QDI0 UniRef90_B9JU90	NAGESAIVIEFISSAIL VID MAEHQGEKII ITDPT MEERQEIL EKL Q AGEDTVEETSSAIL VID MAEHTREDRIVIA DPMAIVIO AEITI ONI IG		
UniRef90_A4BVQ6	M		
UniRef90_UPI00037B0DF6	TIVIR QILIE FAILIF DERILIH CCEEEILISAEKUQHU LITEVIR		
UniRef90_UPI0003C17E33 UniRef90_C0BM75	T FLE GMATLRQLS F GLLD MAWHS SNPMKII DVAAFENDAF		
UniRef90_UPI00036470F7	TVEFTSSAL VDMAFHTRAAVEDPMAVQA EVLEKIIG		
UniRef90_UPI00037EDE10 UniRef90_I2JEP5	MILIR QII EFSILIFD FSILIH MQSEITH A EA EIVID IVM QIV LIA DIVIR		
UniRef90_D0CPP2	DQGFQTVEYVASALVDLAFHDGPAPADPMARQAEVLAEII G		
UniRef90_W6W2L1 UniRef90_UPI0003F63C99	T F L E G M A T L R Q L S F G L L D M A WH S S N P M K T D V A A F E N D A F T V E F T S S A L V D M A F H T R A A V E D P M A V Q A E V L E K I G Q L R Q I E F S L F D F S L H M Q S E H A E A E V D A V L N G I R D Q G F Q T V E Y V A S A L V D L A F H D G P A P A D P M A R Q A E V L A E I G T V E F T S S A L V D M A F H T R D A V D D P M A V Q G E V L A E I G T V E F T S S A L V D M A F H T R D A V D D P M A V Q G E V L A E I G N F Q Q G Y Q T V R Q I S F G L L D M A F H S L A P N E I S S I P D F E K S C M N F Q E G M V T M R Q L S F G I L D M G W H A Q D P S N I K D I K A F E T A Q F Q A G M I M V R Q L E F S L F D F R I H R D Y D P E K G G R I Y E I L E Q V R M E G Y Q T L R Q L G F G L L D M A W H T T H P E K L T N L A Q F E K E H L		
UniRef90_UPI0003797B49	NFQEGMVT MRQLSFGLLDMGWHAQDPSNLKDIKAFETAQF		
UniRef90_G3IR20	QAGMIMVRQLEFSLFDFR LHRDYDPEKGGRIYELLEQVR		
UniRef90_I4A035	W EGTQI L KQ L GFG <u>LL</u> DWAWHII <mark>H</mark> PEK <u>L</u> IN L AQFEKE <mark>H</mark> L		

UniRef90 D0T762	530 540 550 560 A V V P A V P Y N R F Q H S F S H F T G G Y Y Y S Y K W A E V L A S D A
UniRef90_W8UDC1	
UniRef90_W5YX43 UniRef90_A0A031LWL8	FOYAVIPTAPYNRFPNSFSHIFAGGYYYSYKWAEVIAADA
UniRef90_R1XQ86	Y CDGFYSNKKNNVNWVKQAHVFNPFYESNYVVVTYFLA
UniRef90_K4L0E1 UniRef90_Q736P7	Q S V A V V L P P A N N R F Q N S F S H I F A G G Y Y Y S Y K W A E V L IS A D A Q Y S S V N I D D E I G S S W V E S E H E Q E P E Y K I E Y A I A Q I G A M Q I
UniRef90_Q6F7U8	R Q V A V V P G P T WG R F P H A F S H F A G G Y Y Y S Y L WA D V L A A D A A V V E A P S F N R F P N S F S H F A G G Y Y Y S Y K WA E V L A A D A E Q Y A V L P T A P Y N R F Q N S F S H F A G G Y Y Y S Y K WA E V L A S D A Y C D G F Y S N K K N N V N W V K Q A H V F N P F Y E S N Y V V T Y F L A Q S V A V V L P P A N N R F Q N S F S H L F A G G Y Y Y S Y K W A E V L S A D A Q Y S S V N L D D E L G S S W V E S F H F Q F P F Y K L E Y A L A Q L G A M Q L T Q F A V L P T A T Y N R F Q H S F S H L F A G G Y Y Y S Y K W A E V L S A D A A E V V V I P Q P A Y N R F A N S F G H L F A G G Y Y Y S Y K W A E V L S A D A Q V A V L V P P D F N R F Q N S F S H L F A G G Y Y Y S Y K W A E V L S A D A N N E P W R Q Q V L A G O D F T N M A L Y M S P R Y V S Y K W A E V L S S D A
UniRef90_F2BA83 UniRef90_F1W0U6	A E V V V I P Q P A Y N R F A N S F G H I F A G G Y Y Y S Y A WA E V L S A D A
UniRef90_R6GSC0	N N E P WRQQV LA G C D F T N M A L Y M S P R Y V V S Y A L S L V C A Q Q L
UniRef90_V5C7B4 UniRef90_UPI000365FD28	S Q V A V V Q P P K F N R F P H S F S H F A G G Y Y Y S Y K W A E V L S S D A A Q V S V V P V A E F N R F Q H S F S H F A G G Y Y Y S Y K W A E V L S A D A
UniRef90_UPI00036E136E	D Q W S V V P R V D F N R F Q N S F S H I F A G G Y Y Y S Y K W A E V L S A D A
UniRef90_A4G351 UniRef90_U4K9U0	A Q V S V MT P P E F N R F Q H S F A H F A G G Y Y Y S Y K W A E V L S A D A E K V A V L P S L E W N R F S H S F S H F A G G Y Y Y S Y L W A E V L S S D A
UniRef90_W0E673	DQVAVIHPPAFHRFAHGFSHIFAGGYYYSYKWAEVLSADA
UniRef90_C3XBL0 UniRef90_K2JLX7	HKYAVVI PPEFNRFLQSFSHI FAGGYYYSYKWAEVLSADV AQVAVRMPPEFNRFQHSFGHI FAGGYYYSYKWAEVLSADA
UniRef90_Q07WB5	SQUAVETPPSFNRFQHGFAHI FAGGYYYSYKWAEVLSADA
UniRef90_D2TA04 UniRef90_UPI0003956C69	K Q V A V MP G P E WG R F P H A F S H F A G G Y Y Y S Y L W A D V L A A D A E Q V S V P T P E WN R F P H A F G H F A G G Y Y Y S Y K W A E V L S S D A
UniRef90_S3PPR5 UniRef90_D2U091	A V L P S T Q S N R F Q N S F S H F A G G Y Y Y S Y K W A E V L A S D A Q Q V A V V P S P E W S R F P H A F S H F A G G Y Y Y S Y L W A D V L A A D A
UniRef90_Q3SG70	AVITPPAYNRFPNNFSHLFAGGYYYSYKWAEVLSADA
UniRef90_B2JJB5 UniRef90_UPI0003633E5D	N N E P W R Q Q V L A G C D F T N M A L Y M S P R Y V V S Y A L S I V C A Q Q L S Q V A V V Q P P K F N R F P H S F S H I F A G G Y Y Y S Y K W A E V L S S D A A Q V S V V P V A E F N R F Q H S F S H I F A G G Y Y Y S Y K W A E V L S A D A D Q W S V V P R V D F N R F Q N S F S H I F A G G Y Y Y S Y K W A E V L S A D A D A D A D A D A D A D A D A D A
UniRef90_A8FPI5	SQVAVITAADFNRFQHSFAHIFAGGYYYSYKWAEVLSADA
UniRef90_UPI0004762199 UniRef90_UPI0004772D68	A V V P P A F N K F Q N S F S H F A G G Y Y Y S Y K W A E V L S A D A A V L M P P E F N R F P N S F S H F A G G Y Y Y S Y K W A E V L S A D A
UniRef90_K8BEM8	KQVAVVPGPTWGRFPHAFSHIFAGGYYYSYLWADVLAADA
UniRef90_A6VPP5 UniRef90_UPI00031F4F71	K Q V A V I K G V D WA R T P H S F S H I F A G G Y Y Y S Y L WA E V L S A D A Q K V A V L P S L E W N R F S H A F S H I F A G G Y Y Y S Y L WA E V L S A D A
UniRef90_A4CJR6	APTRLEPEHPETCMSTAFAHIFQGGYYYSYKWAEVLDADA
UniRef90_W1J611 UniRef90_D8KBK6	HVIPQAAFSRWPNTFSHIFAGGYYASYKWAEVLSADA DMVAVIKPPRFNRFAHSFSHIFAGGYYYSYKWAEVLSSADA SQVAVITAADFNRFQHSFSHIFAGGYYYSYKWAEVLSADA AVVTPPAFNRFPNSFSHIFAGGYYYSYKWAEVLSADA AVVLMPPEFNRFPNSFSHIFAGGYYYSYKWAEVLSADA KQVAVVPGPTWGRFPHAFSHIFAGGYYYYSYLWADVLAADA KQVAVVPGPTWGRFPHAFSHIFAGGYYYYSYLWADVLAADA KQVAVVLPSEWNRFSHIFAGGYYYYSYLWAEVLSADA QKVAVVLPSEWNRFSHIFAGGYYYYSYLWAEVLSADA APTRLFPEHPETCMSTAFAHIFAGGYYYYSYKWAEVLDADA AQVAVVKPPPFNRFAHIFAGGYYYYSYKWAEVLDADA KQVSVVPSPEWNRFPNSFSHIFAGGYYYYSYKWAEVLSADA WNRFPHHFSHIFAGGYAAGY YSYKW SKVAVTTPPEFNRFAHSSHIFAGGYYYYSYKWAEVLSADA DAVAVNRPPA WNRFPHHFSHIFAGGYAAGY YSYKW SKVAVTTPPEFNRFQTSSHIFAGGYYYYSYKWAEVLSADA
UniRef90_D2UFP5 UniRef90_A6VS31	DAVAVNRPPA WNRFPHHFSHLFAGGYAAGY YSYKW SKVAVTTPPEFNRFQTSFSHLFAGGYYYSYKWAEVLSADA
UniRef90_A9CU89	LPVAI VMRHASPHFLHVFAGEGYSAGYYSYMWSEVLDADA
UniRef90_M7PIK0 UniRef90_Y0KDW5	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
UniRef90_G0A0D7	D QVAVVKVPPFNRFAHSFSHTFAGGYYYSYKWAEVLSADA
UniRef90_UPI0004690536 UniRef90 K2KJB1	D Q V A V V K V P P F N R F A H S F S H I F A G G Y Y Y S Y K W A E V L S A D A E Q V A V I I P P E F N R F P N S F S H I F A G G Y Y Y S Y K W A E V L S A D A A Q V A V S K P P A Y N R F Q H G F S H I F A G G Y Y Y S Y K W A E V L S A D A Q E V A V S F P P A Y N R F P Q S F S H I F A G G Y Y Y S Y K W A E V L S A D A S R V S V V P S P E W G R F P H S F S H I F A G G Y Y Y S Y K W A E V L S A D A K D I A V L I P P A F N R F Q N S F T H V F S G G Y Y Y S Y K W A E V L S A D V
UniRef90_H3KG74	QEVAVSFPPAYNRFPQSFSHI FAGGYYYSYKWAEVLSADA
UniRef90_Q6LLL3 UniRef90_I3CE63	S R V S V V P S P E W G R F P H S F S H I F A G G Y Y Y S Y L W A E L L S A D A K D I A V L I P P A F N R F Q N S F T H V F S G G Y Y Y S Y K W A E V L S A D V
UniRef90_M5R1F4	
UniRef90_UPI00036C5FEB UniRef90_L0GXQ6	DOVAVVKPPAFHRFAHGFSHI FAGGYYYSYKWAFVISADA
UniRef90_UPI000363541F UniRef90 C9PRH7	RPPK WNRFPNSFSHIFAGGYAAGY YSYKWEEVAVIKGVEWARTPHSFSHIFAGGYYYSYLWAEVLSADADEVAVFKPPAFNRFAHSFTHIFGGGYYYSYKWAEVLAADA
UniRef90_H5SHV0	DEVAVEKPPAFNRFAHSFTHI FGGGYYYSYKWAEVLAADA
UniRef90_Q5QVY8 UniRef90_E1SVB8	QQTSVRIPPEYNRFQHSFGHIFAGGYYYSYKWAEVLSSDA GQVAVLKAPFFNRFQHSFSHIFAGGYYYSYKWAEVLSSDA
UniRef90_Q3JEK8	GQVAVIKAPEFNRFQHSFSHIFAGGYYYSYKWAEVLSADA EQVAVVKPPSFNRFAHSFSHIFAGGYYYSYKWAEVLSADA AVSFPPDYNRFPQSFSHIFAGGYAAGYY AVLPTTVENRFQHGFSHIFAGGYAAGYYSYKWAEVLASDA
UniRef90_K1JST7 UniRef90_V2TK71	AV LPTTVENRFQHGFSHII FAGGYAAGYY SYKWAEV LASDA
UniRef90_E6WWA5 UniRef90_B8KRE7	R D E V A V N R T P S WH R F P H Q F S H I F A G G Y A A G Y Y S Y K W D Q V S V L K P P E W N R F A H A F T H V F G G G Y Y Y S Y K W A E V L S A D A
UniRef90_A0A031MD77	K FILISIVIM R P P A F N R F F N G F A HILIF A G G Y Y Y S Y K W A FIV L IS A D A
UniRef90_F0F0D2 UniRef90_A0A023BRI6	K E V A V V Q P P E Y N R F A N S F G H I F A G G Y Y Y S Y A WA E V L S A D A S A T S L Y P N V E E N C M S T A F S H I F Q G G Y Y Y S Y K W A E V L D A D A F P P A WH R L P H S F S H L F A G G Y G W A E V L S A D A
UniRef90_K0MIP9	FPPA WHRLPHSFSHLFAGGYGWAEVLSADA
UniRef90_UPI0003627513 UniRef90_F5ZFQ5	AVLIPPTFNKFQNSFSHTFAGGYYYSYKWAEVLSADA AEVAVNTPPAFNRFQHSFGHLFAGGYYYSYKWAEVLSADA
UniRef90_A0A023NX66 UniRef90_UPI00036656D1	DIVIAIV LIHPPA WQRFPH A F S HII IF A G G Y A A G Y Y S YIL IW
UniRef90_K6Y7Z3	Q F V A V V I P P F F N K F Q N S F G H I F A G G Y Y Y S Y K W A F V I S S D A
UniRef90_UPI0002ED9650 UniRef90_A0Y9C8	RPPA YNRILIPNSFAHII IFAGGYAAGYYSYKWAEIVLISADA
UniRef90_M4XQT5	AVY SIPDEN REQHSEGHIFAGGYYYSYKWAEVLSADADQVAVAKGVEWARTPHSESHIFAGGYYYSYLWAEVLSADAQQVAVIQPPSEN REQNSEGHIFAGGYYYSYKWAEVLSCDA
UniRef90_L0WBC9 UniRef90 F2G728	QQ V A V QPPS FN K FQN S FGH FAGGYYYSYK WA E V L S <mark>C</mark> D A E E V A V V PPS FN R FQN G FGH FAGGYYYSYK WA E V L S A D A
UniRef90_B6BVF6	E E V A V V I P P S F N R F Q N G F G H I F A G G Y Y Y S Y K W A E V L S A D A D E V A V V R P P N W N R F P H S F S H I F A G G Y Y Y S Y K W A E V L S A D A A V I H P P S Y H R F P Q S F S H I F A G G Y Y F S Y K W A E V L S A D A K Q V A V V P S P E W G R F P N T F S H I F N G G Y Y Y S Y M W A D V L A A D A M P N T I I M R H R P P H F T H I F S G D G Y A A G Y Y S Y M W S E V L D A D A M P S S I V M R H A T P H F Q H V F S G D G Y S A G Y Y S Y M W S E V L D A D A
UniRef90_F6DBJ5 UniRef90_D3UY66	K QVAV VPSPEWGRFPNTFSHLFNGGYYYSYMWA DIVLA A DA
UniRef90_J0QDI0 UniRef90_B9JU90	MPNTII I MRHRPPHFTHI FSGDGYAAGYYSYMWSEVLDADA
UniRef90_A4BVQ6	FRIVIAIVIIN PPI FINKEPIL NEADIVIEAGGGYYYYYYY
UniRef90_UPI00037B0DF6 UniRef90_UPI0003C17E33	S E V A V V P V S A Q N R F Q H A F S H L F A G G Y Y Y S Y K W A E V L S A D A A E V A V L P S P A S P H T F S H L F A G G Y A A G Y Y S Y K W A F V L S A D A
UniRef90_C0BM75	K G T D L Y P S Q P G S C M S T A F S H L F Q G G Y Y Y S Y K W A E V L D A D A
UniRef90_UPI00036470F7 UniRef90_UPI00037EDE10	K G T D L Y P S Q P G S C M S T A F S H L F Q G G Y Y Y S Y K W A E V L D A D A M P A S I V L R H A T P H F Q H V F S G D G Y S A G Y Y S Y M W S E V L D A D A A E V A V L P T M P Y N R F A H S F G H I F A G G Y Y Y S Y K W A E L L S A D A
UniRef90_I2JEP5	K QIVIA VIT QPPEFNRFQNSFSHILFAGGYYYSYKWA EIVLISA DA
UniRef90_D0CPP2 UniRef90_W6W2L1	MPHAI GMRHATPHFAHVFAGDGYSSGYYSYMWSEVMDADA MPTSI VMR <mark>H</mark> ATP <u>H</u> FQHVFSG <u>D</u> GYSAGYYSYMWSEVLDADA
UniRef90_UPI0003F63C99	MPTSI VMRHATPHFQHVFSGDGYSSGYYSYMWSEVMDADA MPTSI VMRHATPHFQHVFSGDGYSAGYYSYMWSEVLDADA EKTALLPEVEGTLMSTSFSHI FQGGYYYSYKWAEVLDADA AETQLFPDVKENVMSTAFSHI FQGGYYYSYKWAEVLDADA EQVAVVRPPKFNRFAHSFSHI FAGGYGAGYYWAEVLSSDA ASTQLYPSVEGANLSTSFSHI FQGGYYYSYKWAEVLAFDY
UniRef90_UPI0003797B49 UniRef90_G3IR20	EQVAVVRPPKFNRFAHSFSHIIFAGGYGAGYYWAEVLIDADA
UniRef90_I4A035	ASTQLYPSVEGANLSTSFSHI FQGGYYYSYKWAEVLAFDY

	570 580 590 600
UniRef90_D0T762 UniRef90 W8UDC1	F D R F E N E G O F N T E T G K A F R S A O L A A G G K D K A L D A F VN F R G F S R F E E E G E T G Q S F L D N L L S R G G S E E P M E L F K R F R G
UniRef90_W5YX43	F S L F E E K G I F D P Q T G K A F L Q K G G S Q E P M E L F K A F
UniRef90_A0A031LWL8 UniRef90_R1XQ86	F D R F E Q E G I F N Q E T G L A F R K A V L A V G G K D T A L D A F V K F R G K Y I K K N P G S F N Q L T A V S E I G S Q H S D E K I I S N F L N V D L
UniRef90_K4L0E1	FSLFEEDGVFDPETGARFRAYGGALPAADLFAQFRGRAPS FQLYREDPEKALTFFKEGASADWNLPLQELYEKTGVTFDS
UniRef90_Q736P7 UniRef90_Q6F7U8	FDRFFAFGII FNTOTGAFFRKAII I I AIVIGGKDTAII IDAFIVINFRG
UniRef90_F2BA83 UniRef90_F1W0U6	Y A A F E E S G D L A A T G A R E I L S R G G S R G A A E S F R A F R G R D A T Y G A F E E A R A A D G D K G Y S E A G K R F L R E V L A V G G K A A Y D A D P A D G WA R Y H A L C A S G G S K L Y A E T L S D A G L P L
UniRef90_R6GSC0	KAAYDADPADGWARYHAL <mark>C</mark> ASGGSKLYAETLSDAGLPL
UniRef90_V5C7B4 UniRef90_UPI000365FD28	F S L F E E K G I F D Q E S G N A F L S R G G S Q D A M E L Y V K F R G F S R F E E E G I F S A R A G A D F C S M G G S R E P M E L F V A F R G
UniRef90_UPI00036E136E UniRef90_A4G351	Y S A F F F A GIVIF D A D T GII IR F R R F G G A R D A A F II IF R A F R G R D P S
UniRef90_U4K9U0	YSRFEEDGI FNEETGRSFLEM <u>GG</u> SEEPMELFKR <u>F</u>
UniRef90_W0E673 UniRef90_C3XBL0	F S L F E E R G V F D P A T G R A F R E H I L E R G G A E D A M T L F V R F R G Y S A F E E S L A D G N D L I S P A M G A K L L E E I L S V G G S R P A I
UniRef90_K2JLX7 UniRef90_Q07WB5	Y S A F E E S L A D G N D L I S P A M G A K L L E E I L S V G G S R P A I F S R F E E D G I F N A D T G R A F L Q C G G S T D A M T L F R E F R G R E P S F S R F E A E G L F N A E T G K S F L E M G G S E E P M E L F K R F
UniRef90_D2TA04	F S R F E A E G F N A E T G K S F L E M G G S E E P M E L F K R F WS R F E E E G E T G Q S F L D N L T R G G S E E P M A L F R R F R G Y S R F E E D G I F N R D T G E D F L N H I L S R G G S E A P K D L F V R F R G
UniRef90_UPI0003956C69 UniRef90_S3PPR5	- FDRFFGFGII IFN I A I GADFRKAII I IAIVIGGKDSAII IQAFIVIN FRG
UniRef90_D2U091 UniRef90_Q3SG70	F S R F S E E G F N R S T G A F L S R G G S E E P M V L F E R F Y A L F E D E A E G Y G G V L N P E V G H R F W S E I L A Q G G A R P A L
UniRef90_B2JJB5 UniRef90_UPI0003633E5D	YAAFFFAAOA GKGSIVI IDAATGTRYRKEILI IEIVIGG
UniRef90_A8FPI5	FSRFEEEGLFNSETGLSFLEMGGSEEPMELFKRF _
UniRef90_UPI0004762199 UniRef90_UPI0004772D68	YATFEEEGDTARRFREKILSVGGSKDLMD AFLAFRG YSLFEE <mark>H</mark> GVLNPDLGAR <u>FR</u> SEGGSRSAMQ <u>S</u> FAAF RG
UniRef90_K8BEM8 UniRef90_A6VPP5	Y S R F E E E G E T G Q S F L D N I L T R G G S E E P M E L F K R F R G
UniRef90_UPI00031F4F71	Y S R F E E E GII F N K E I G Q S F L E M G G S E E P M E L F K R F
UniRef90_A4CJR6 UniRef90_W1J611	Y S R F S E E G T T G Q S F IL ID NII L IS R G G S E D P M T IL IF VIR F R G
UniRef90_D8KBK6 UniRef90_D2UFP5	F S R F E E E G T F D R Q A G G A F M S S G G S R D P L E L F L E F R G A E V L S A D A Y A A F E D A P D Q M A A T G A R F L R E I L A R G G S R P A L
UniRef90_A6VS31	F S K F F F D G F N K D T G A R F R A N G G S R P A A F F A F F R G
UniRef90_A9CU89 UniRef90_M7PIK0	F S K F E E N G I F D R Q T G V E F L E A G G S R E P M E L F I E F R G
UniRef90_Y0KDW5 UniRef90_G0A0D7	A FIVI IS A D A Y SII IF F F M G T II IS A F A G T R F K N FIVI IA K G G S R P A M
UniRef90_UPI0004690536 UniRef90_K2KJB1	Y S L F E E N P E A G A R F W N E I L A V G G S R A A L E S F I A F R G
UniRef90_H3KG74	Y G A F E E T G V T N P E T G R R F L T <u>E</u> G S S R D A M E <u> </u>
UniRef90_Q6LLL3 UniRef90_I3CE63	
UniRef90_M5R1F4 UniRef90_UPI00036C5FEB	F S R F E E E G V F N P Q T G K A F R Q A G G S L A P M E L F K D F R G A E V L S A D A F S A F E E E G V L N A T T G Q R F R Q H V L A V G G G R P A M
UniRef90_L0GXQ6	ESILIEEERGELGRSERENII LIEOGGAAEAMDILIE VIRERG
UniRef90_UPI000363541F UniRef90_C9PRH7	F S R F E E E G I F N P E T G K S F L S R G G S E E P M T L F K R F R G
UniRef90_H5SHV0 UniRef90_Q5QVY8	F S R F E E E G
UniRef90_E1SVB8 UniRef90_Q3JEK8	FSRFEEEGII FNPQVGGDFLQHGGSEEPMAL FTRF FSRFEEEGII FDRQAGRAFMSSGGSRDPLEL F
UniRef90_K1JST7	A É V L S A D Á F S A F É E T G V L N P É T G Á R F R R E L L G R G S S
UniRef90_V2TK71 UniRef90_E6WWA5	FDRFEQEGVFNTKTGQDFRSSILAVGGKHDALTAFSNFRG AEVLSADAYAAFEETPGQLAETGARFLREILSRGGS
UniRef90_B8KRE7 UniRef90_A0A031MD77	FSLFEERGIFDPETGAAFLSKILERGGADDAMNLFVDFRG FSRFEEEGLFNAETGKAFRARGGSREPMELF VAFRG
UniRef90_F0F0D2 UniRef90_A0A023BRI6	
UniRef90_K0MIP9	TAAFEESGDIGARFWNEIL LAVGGSRSAAESFRAF FEYFKENGELATKFKDHVLSKGGTENPMTLYKRFRGKEPK YEAFEEAARQGEPAATTLDGATGARFRKEILAVGGARPAA YAAFEEEGDTAARFRKEILSLGGSKDLMD YSKFEEDGLFNQDTGKAFLEMGGSRAPMDLF VAFRG AELLSADAFGEFEEHGVLDRATGDRFRREILSVGASRPAM
UniRef90_UPI0003627513 UniRef90_F5ZFQ5	YSKFEEDGUFNQDTGKAFLEMGGSRAPMDLF VAFRG
UniRef90_A0A023NX66 UniRef90_UPI00036656D1	A E L L S A D A F G E F E E H G V I D R A T G D R F R R E I L S V G A S R P A M A A A L F S A G P T A A L A P ML T G S G L T A A V D L F A R Y G H N L E S
UniRef90_K6Y7Z3 UniRef90_UPI0002ED9650	A A A L F S A G P T A A L A P MLT G S G L T A A V D L F A R Y G H N L E S F G R F E E E G I F N Q E T G R A F L E M G G S K E P M E L F V A F R G F S K F E E E G V L N A E T G R A F R D A G G S Q A P M A L F V D F R G
UniRef90_A0Y9C8	ESKEEADG IIIENRSIGEKEIIIEIIIUUGGG
UniRef90_M4XQT5 UniRef90_L0WBC9	YSRFEEEGETGQSFLDNILTRGGSEEPMVLFERF RG YSRFEEEGEFNEETGRAFRSEGGSREPMELFKAFRGREPS
UniRef90_F2G728 UniRef90_B6BVF6	YSKFEEDGIFNRDTGKAFLEMGGSKPPMDLF VAFRGFEEFENNG VLSKDVGARFRREILSVGGSRPAKFSLFEESGILNTETGLKFKAAGGSIDPMSLFKAFRGRLPTYSRFAEEGTTGQSFLDNILTRGGSEDPMTLF VRFRG
UniRef90_F6DBJ5	F SEFEES GLINTET GLIKFK A A G G S ED P M S L F K A F R G R L P T
UniRef90_D3UY66 UniRef90_J0QDI0	FQAFEET GELANRLKRFI YSAGGSCDPEELYKAFRGRLPS
UniRef90_B9JU90 UniRef90 A4BVQ6	F Q A F E E T G E L A N R L K R F I Y S A G G S C D P E E L Y K A F R G R L P S F E A F E E T G N A F D P D M D N I Y A I G G A V D P E E T Y K A F R G R L P S Y A R F E E E G L F N P Q T G R A F L E S G G S E D A M T L F E A F R G R K P S F S L F E E K G I F D E T T G K R F L H S G G S R D A L E L F T E F Y A A F E E N P E T G R R Y R E A I L E A G G S R P A M E S F K A F F E K F K E A G I F A A D F K E F V L S K G G S E D P M V L Y K K F R G S E P K
UniRef90_UPI00037B0DF6 UniRef90_UPI0003C17E33	F S L F E E K G L F D E T T G K R F L H S G G S R D A L E L F T E F
UniRef90_C0BM75	FEKFKEAGUFAADFKEFVLSKGGSEDPMVLYKKFRGSEPK
UniRef90_UPI00036470F7 UniRef90_UPI00037EDE10	FEKFKEAGILFAADFKEFVLSKGGSEDPMVLYKKFRGSEPK FAAFEET GDAFDAEMDNI YSVGGALDPEDAYRAFRGKLPS YSAFEET DDVAQKFWQEVLAVGGSRDAMTSFKAF RG FSLFEEQGVMNREVGEKFRRELLERGGSEEAAVLFKNFRG FAAFEEDPEQAQALEDHILSTGGSKEAEDLYLAFRGRLPG FSAFEET GNAFDPVMNNI YSVGGSLDPEDTYKAFRGRLPG FSAFEET GNAFDPVMNNI YSVGGSLDPEDTYKAFRGRLPD FELFQEKGNTAQAFQDHILSAGGREHPSI LYKRFRGREPQ FEFFQEKGEVAAKFKDNLLSKGGTEHPMLLYKRFRGHEPS FSLFEEKGI FDQETGKAFLTNI LEKGGSQL AMELFINFRG
UniRef90_I2JEP5 UniRef90_D0CPP2	F S L F E E Q G V M N R E V G E K F R R E I L E R G G S E E A A V L F K N F R G F A A F E E D P E Q A Q A I E D H I L S T G G S K E A E D L V L A E R G P L P G
UniRef90_W6W2L1	FSAFEET GNAF DPVMNNI YSVGGSLDPEDTYKAFRGKLPD
UniRef90_UPI0003F63C99 UniRef90_UPI0003797B49	FEFFQEKGNIAQAFQDHILISAGGKEHPSILIYKRFRGREPQ FEFFQEKG <u>EV</u> AAKFKDN <u>I</u> LISK <u>GG</u> TEHPMLLIYKR <u>F</u> R <u>G</u> HEPS
UniRef90_G3IR20 UniRef90_I4A035	F S L F E E K G L F D Q E T G K A F L T N L L E K G G S Q I A M E L F L N F R G F K Q H G L F N P E L A Q K F Y T L L S S G G T V D P M Q L Y T A F
OTHINGIBU_14A033	I N W II OLLI NI LELA W NI I I LE LO O G G I W D F NI WELT I A F

```
610
                                                                                                                        620
                                              REPKIDALLRHQGWTD
REPQLDAM
UniRef90_D0T762
UniRef90_W8UDC1
UniRef90_W5YX43
UniRef90_A0A031LWL8
                                             REPKIDALLRHQGW
ENFIQD
VEPL
EERLESTASVIVDLINELK
REPKIDALLRHQGW
UniRef90_R1XQ86
UniRef90_K4L0E1
UniRef90_Q736P7
UniRef90_Q6F7U8
UniRef90_F2BA83
UniRef90_F1W0U6
                                              S R P A L D S F K A F R G R E P N L D A L L
UniRef90_R6GSC0
UniRef90_V5C7B4
UniRef90_UPI000365FD28
                                             RKPTIDAL
REPSVDALLRHAGIV
VEPL
SRPAIDSFKAFRGREPTIDALL
UniRef90_UPI00036E136E
UniRef90_A4G351
UniRef90_U4K9U0
                                              REPDTEAL
ESFV
VEPL
UniRef90_W0E673
UniRef90_C3XBL0
UniRef90_K2JLX7
UniRef90 Q07WB5
                                              R E P K L D A M
R E P S P E A L
R E P K L D A L L R H Q G W
UniRef90_D2TA04
UniRef90_UPI0003956C69
UniRef90_S3PPR5
UniRef90_D2U091
UniRef90_Q3SG70
                                              ESF KAFRGREPTIDALL
SRPAMESFKAFRGREPNIDALL
RKPAIDAL
UniRef90_Q3SG70
UniRef90_B2JJB5
UniRef90_UPI0003633E5D
UniRef90_UPI0004762199
UniRef90_UPI0004772D68
UniRef90_K8BEM8
UniRef90_K8BEM8
UniRef90_UPI00031F4F71
UniRef90_D4CJR6
UniRef90_W1J611
UniRef90_D8KBK6
UniRef90_D2UFP5
UniRef90_D4CS31
                                              R K P A V D A L L R H T G L L L E
R E P T I D A L L R H S G L
R E P Q L D A M
                                             R E P E I D A L
R E P K L D A M
R E P V I D A L
E N F
                                                                             TAFRGRAPELDALL
UniRef90_A6VS31
UniRef90_A9CU89
UniRef90_M7PIK0
                                              REPSTDAL
                                             REPQIDAL
ESFV
REPNIDAL
REPKIDAL
UniRef90_Y0KDW5
UniRef90_G0A0D7
UniRef90_UPI0004690536
UniRef90_K2KJB1
UniRef90_H3KG74
UniRef90_Q6LLL3
                                             REPQLDAM
IEPL
REPSIDALLRHSGLTED
UniRef90_I3CE63
UniRef90_M5R1F4
UniRef90_UPI00036C5FEB
                                              REPRVDAL
REPQLDALLRHKGI
ESFI
UniRef90_L0GXQ6
UniRef90_UPI000363541F
UniRef90_C9PRH7
UniRef90 H5SHV0
UniRef90_Q5QVY8
                                             REPVIDAL
RDAMENFIA FRGRRPEIDALL
RAPKIDALLRHQGW
RSALEN FKAFRGREPSLDALL
REP
UniRef90_E1SVB8
UniRef90_Q3JEK8
UniRef90_K1JST7
UniRef90_V2TK71
UniRef90_V2TK71
UniRef90_E6WWA5
UniRef90_B8KRE7
UniRef90_A0A031MD77
UniRef90_F0F0D2
UniRef90_A0A023BRI6
UniRef90_K0MIP9
UniRef90_UP10003627513
UniRef90_F5ZFQ5
UniRef90_A0A023NX66
UniRef90_UP100036656D1
UniRef90_K6Y7Z3
                                              REPSVDALLRHSGLIGE
                                              PΕ
                                                                             RAFRGREPRIDALL
                                              R E P N V D A L
E S F V A F R G R T P E P E A L L
P A F W I G G A E A I T A Q V E Q F
R E P E V D A L
R E P S I D A L L R H S G L
UniRef90_K6Y7Z3
UniRef90_UPI0002ED9650
                                            R K P T L D A L L R H K G V G N A E V E P L E S F L K
UniRef90_A0Y9C8
UniRef90_M4XQT5
UniRef90_L0WBC9
UniRef90_F2G728
UniRef90_B6BVF6
UniRef90_F6DBJ5
UniRef90_D3UY66
UniRef90_J0QDI0
UniRef90_B9JU90
                                              REPKLDAM
                                              SE
                                              P E
UniRef90_A4BVQ6
UniRef90_UPI00037B0DF6
UniRef90_UPI0003C17E33
                                              L E P L
UniRef90_C0BM75
UniRef90_UPI00036470F7
UniRef90_UPI00037EDE10
                                             REPQIDALLRHSGML
RAPANDAL
VDALLKGRGLIA
PQAMKKGLAMVEEL
UniRef90 I2JEP5
UniRef90_D0CPP2
UniRef90_W6W2L1
UniRef90_UPI0003F63C99
UniRef90_UPI0003797B49
UniRef90_G3IR20
                                              PE
                                              RKPTIDAL
```

UniRef90_I4A035

```
10
                                                                                                                     20
                                                                                                                                                            30
                                                                                                                                                                                                  40
                                             1
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
                                                                                                                     MEESTEQNSLLNTHGLPQFEQ
LPDEVT
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
                                                                                                                     UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
                                                                                                                     MSNPLETETLPAFRSIRPEHV
UniRef90_W4HHQ7
UniRef90_X5D9L3
UniRef90_S7SD9L3
UniRef90_B7RGY3
UniRef90_UPl00042533FF
UniRef90_UPl000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_M7ZTY0
UniRef90_UPl000479235B
UniRef90_UPl000479235B
UniRef90_VOLKV3
UniRef90_VOLKV3
UniRef90_Q2JQH0
UniRef90_Q2JQH0
UniRef90_J3CU08
UniRef90_J3CU08
UniRef90_J4EQK7
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90 UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
                                                                                                                                                       PPFDQIKNEH
LPPFSQIKPED
                                             MMYSCSTTPTESNNPLLSEFTTEFGA
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_B0JT09
UniRef90_C419H6
                                                                                                                                 TTADNPLLAASELPYELP
                                                                                                                     MTQITLANPLLDRSQLP
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
UniRef90_U6REG7
                                                                                                                                                       LPPFTEVKPEHV
```

		50			60		70)		80)
UniRef90_I8T9M1 UniRef90_Q11M43				_			_			TWET	
UniRef90_UPI000255ADC8 UniRef90_G4BBZ6		Р	A LE E	E S∐S	LAKA	. E <u>I .</u> E <i>A</i>	A II A N N	KE		APN	
UniRef90_Q21WC1 UniRef90_UPI000470AB6C	FDVEQVVP				AVKK	LINE	<u> </u>	∏E Q[LE	GKNG	
UniRef90_C5BJR0 UniRef90_UPI000467CD13	WDL LVA	P II E	ARGI	D R I N	QAWS	PVG	LNSV KLEY	A F F S I	TA P	N S D E T WE N	
UniRef90_A0A011PBG3 UniRef90_A9ISZ8		_						D D L	ΑA	TWTD	
UniRef90_UPI0003034E11 UniRef90_R7BW55											
UniRef90_UPI000468582A	WNDSVAVO	SDD	DFAF	ALE	EALA	EHNA	A E I A A	I A N	DP	APAT	7
UniRef90_U0EWC6 UniRef90_S7VS90	WNLSVAYQ SEIDAITA YI	NTE	AFEN	N T I E		SGEE		IFFN	Ĭ Ď Ň	SAEŢ	
UniRef90_A9NBE5 UniRef90_D6V3H6	Υ [Ι	<u>v</u>]Q S	DILLE S	9 2 L D	QLLA	DNYL	J E IIIN Q	LVKS	GD	Y T	
UniRef90_M6W185 UniRef90_D5BM72									AE	TEPT	
UniRef90_W0DEZ1 UniRef90_A0A031HMI1							A A \square A E				
UniRef90_W4HHQ7 UniRef90_C5T2A2							A E VA A —		IPE	PAT	
UniRef90_X5D9L3 UniRef90_B7RGY3	;	M P S D D	AFEE DFE	GIK	L G K A	EVE M HRME	KIKNN Eldal	Q E A S <mark>C</mark>	D	APT VAPS	
UniRef90_UPI00042533FF UniRef90_UPI000361B5D2										APT	
UniRef90_H8XSD9 UniRef90_G2PRW7	:	SLS	DYKK	K A F K	ETLK	MAKN	N E I D T I V N N	IISN	IQE	DA T EPPT	
UniRef90_M7ZTY0 UniRef90_S7WZE1		•		~ /					•		
UniRef90_UPI000479235B UniRef90_K9YKL1										PAE	
UniRef90_V0LKV3 UniRef90_Q2JQH0										SWEN	
UniRef90_R5QTM5	FE	DMS	YER	DID	AINC	K [[] N [LLA	KVVL	E G	NQEE	
UniRef90_J3CU08 UniRef90_A4EQK7	,	SDE	DFS	ALD	VALE	QHK	Q D A	∐A S N	I P E	PAS	
UniRef90_UPI00037E31F4 UniRef90_Q0FQ83	:	SDE	DFA	AFE	QALA	AHL	A EITE S	∐A D N	I P E	PAS	
UniRef90_F9Z918 UniRef90_F7ZAX4	:	S D G	AFRE DFA	GILK	E Q E A T A L A	ELQA EHRS	A [L K N S E L E A	∐A S A	AE	E A P T P P S	
UniRef90_S9QRN7 UniRef90_S0DDZ2	_									D P P S T W D D	
UniRef90_K2BAW4 UniRef90_UPI00047E1AAC	NFQAIIYP	S R P	I E C A L D H	QDTR AIA	DLIK	KHRE RIEE	E NL E∏	E K L L	S Q A N	S A P T P A E D	
UniRef90_G7UUU5 UniRef90_B7JYR7											
UniRef90_UPI0003803D0B UniRef90_R5FCC0		M P	A F L (Q A 🔲 E	NARK	E [] D [D [A N		SE	EEPT	
UniRef90_R1CA74 UniRef90_S3UMT2			F A	√R F	KIRS	ткоГ	/ I S F I	IDKK	D P	SYFS	
UniRef90_UPI0004292F7E UniRef90_K1UDN3			E	IF L P	ALQE	SICL	/LSEI _AKEE	LEKI	ΚT	EPPT	
UniRef90_F2IWQ7 UniRef90_UPI0002FE8318				F	I I K D	I∏R G F	RLQAL	FTSI	∃т p	TWES	
UniRef90_F5SU53 UniRef90_W0PB89		P	AIIF A		QTRC					T Q P D	
UniRef90_UPI0003F7F088 UniRef90_A3JXA5							YEVE K	V Λ Λ Λ		TAEQ	
UniRef90_F3ZR93 UniRef90_G8PKQ6	F E	ΥFΡ	AFF	(GFF	F O N C) K /	AII IID N	PFF		AT	
UniRef90_A3VZR1	ГЕ	P	AFET	T A M A	KARA		RIAQN AIADN	SEEF	P	EAPS	
UniRef90_B1M441 UniRef90_W7YBP0		G P	иг Е А	A A L A	ания	EIIK A	A∐A G Q		I	APAT	
UniRef90_M1D0I5 UniRef90_H5XCP8	PFDR	SGE	H F L	AFE	АМАЕ	Q[]S E	VE A [ANNF	PP	TFDN	
UniRef90_I5AVI3 UniRef90_B0JT09											
UniRef90_L8N0K6 UniRef90_C4I3H6	RFES[[FH	VR P	A [] D A	A L L <u>I</u>	DLDN	AISF	RASA	KNL	S P	NWGN	
UniRef90_K1MWG3 UniRef90_R5B7J1	R F E S [F H	P P	A F R E A F E (K A E A E A K A	E L D A	N D T I I I I I I I I I I I I I I I I I I		Т	E A P S D A P T	
UniRef90_UPI0003B6A6B6 UniRef90_G9ZJK7							 ETERL		AP	ARN TWDT	
UniRef90_K9Z844 UniRef90_M0S0T7											
UniRef90_T4J5P4 UniRef90_UPI0004228B24											
UniRef90_V4UJC4 UniRef90_C7M5B6											
UniRef90_C7M5B6 UniRef90_R5E5T2 UniRef90_Q28TY3	LSDL	SGE	TYFA	RRR	ALLN	GUS	MINRL ARVAA	QFFK	PE	D E VA A P T	
UniRef90_R5AFP8	FS	DME	YRR	o T D	ATY	ALE	Q L Q S D	LESC	KF	DADT	
UniRef90_H2BYW3 UniRef90_Q89ZV9				F D	RIKT	EHYE	PAIL	E G∐k	QQ		
UniRef90_UPI00037BD3CC UniRef90_R5K5Q2			A	A F L K	GIE	QNAN	N [Q A [I D N	Т	E VP S	
UniRef90_V5V3Y0 UniRef90_K9RFI3_		ΕP	A LN (Q L L T	ELNE	E	LT QL	EANI	K P	TWSG	
UniRef90_U6REG7 UniRef90_V4QHI5					ALRE	GMKE	Q N E E	I D A L	V N	NAEN	

```
90 1100 1
FIEPLEALGEHLGQVWGPVSHLFMVRSTAEWRAAYNA<mark>CL</mark>F
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_G4BBZ6
UniRef90_Q21WC1
                                  WQDVVEHLEEVDDHLSKAWAPVSHLNAVMNSDELREAYNNLRKAYEESEQLLTQYYTELGQNQALFNAYEALAARPDFAEFVQPLEVLSNRLERVWGPVSHLDAVKNNDAWHEAYNECLAFAAPLFDGFEQLSRAWGVVGHVHSVNDISAWRDAYNGMLP
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
                                   FANTVEALEAVGSALDKVLSVFYSVAGADSREALQRDFSMQNALLTSEAAGKLLATINTFASCHASVDAMNSDAKAMINDEIQKIAQDVSPLLSEFSNDITLNEDLFKRVKDSKARLWKAFIQPLEDINDRLHRYWAPISHLNAV
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
                                   FENTIEELEFSGEKLDRVTSIFFNLNSAET NAEIQKIAQWDQFVVPLERLENRLDAVWSPVRHLNSVMNSDALRAAYNA
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
                                   FENTIVALEGAGRALDRVLTVFFSLAGAD SNPARQALQR
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
                                   FENTIVALDEVGRLLARTSGIFFNLLSSETNDEL QSIAQFGNTIEALEEAGSQLDRVLGVFFTVAGAD SNPAREDLQRFSNTVEALEASGELVDRISSIFFNLNAAET NPELQKLAR
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
                                   FENTIEALDFAGEQLDRLSSIFFNLNSAET
FENTLEALDFLGQQLDRISSIFFNLNSAET
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
                                                                                                                               NEELOKIAO
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
                                  WETVAQPLDTATERLWRAWSVAGHLNAVVNTPELREAYNA
                                   CQPLAEADDVLGRIFSPISHLNSVKNSPELREAYEQTLP
UniRef90_R5QTM5
                                   LLKGYDELLNDLKEVDQMESLASLKNNLDLSDSYYEEEYQ
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
                                   F S N V I E A L E T P C R E L E Q V L G V F F T V A G A D
                                                                                                                           SNPKREELQR
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_S0DDZ2
UniRef90_VP100047E1AAC
UniRef90_UP100047E1AAC
UniRef90_OG7IIII I 5
                                                                                                                           NDS I QR I NA A REDLQRES PLAREAYNKTLPS DEL QAIIA
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90 UP10003803D0B FENTIEALEFSGQQLDRIASLFFNLNSAETNDSI QEIAR
UniRef90_R5FCC0 EEVLRLYDAIVDEYDRLATLAQLNYDRDVSDEQAAAEQA
UniRef90_R1CA74
UniRef90_S3UMT2
                                   VIRPLNDMEELQEEFTVLSHLNSVKNSEETQ SNYTEILP
FENTLEALDRSGKKLGVISATFFNLNSAETNDEL QKLAR
UniRef90 UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90 UPI0002FE8318
                                                              ELQERLGWT WGVIGHLMSVKNSPELRQA
UniRef90_F5SU53
UniRef90_W0PB89
                                  WDHFIEPMEALSSRLWRAWSVAGHLNAVINTTALREAYNGALSDVMNFDHINLALDRSWGILSHLNSVMSNDELRHELLPFENTIEGLMDTGSALDRVAGVFYNLAGADSNDA REALMRFENVIVALDNSSPLLDRAGGVFFNLTSADNNDEL QAISEFENTIAALELAEEALEQVASVFFNLSSADT NETLQQVERFANTIEALEKTGKDLDRVLSVFYTLAGAD SNPKRQELQRFANTVAAMERAGLALERVAG VFYNLTGSHTNPELQAIER
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
                                   TIVALERSGELLDRVSEVFFNLNASHTDDTLRAVHAEIAP
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
                                   A I E P V S L A L E S L D Y A W G A V A H L V S V R D C A P L R A A Y G A C A G F E N T I E A L A Y S G S Q L D V V S H I F F N L N S A E T N D Q I Q Q I A Q F E N T V V A L D E A G S R L D D V A G I F Y N L L E A D T N E R M Q D I A E F E N F M A D L D T L T E Q L S T V G T I V H H L D S V M S S D E W K A A V E A L M Q P L E R M A N R L A K A V S P I S H L H G V Q S S D E W R A A Y E K I L P
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
                                  I R L N E A L F K R V E T V Y K T R N Y L S A S P E Q H T L L E A L Q L I E I L E Q I S R L K E T L L A A C R A A E T L S S A D S K I A A E K V F A N T V D A L E L A D E V L D R V A G V F F N L A G A D A T P E R E A L Q R L I A R Y Q E V L D L Y D A A D S Q C S L A Y V L Y A M D V T E P Y Y Q D E Y N F K N T I E T L E F S G K Q L D L V T S I F Y N L N S A E T N D E I Q K I A Q F T N T I E A Y E Q S G R L L D K V T A V F G N M L S A E T N D D L Q A L A Q
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90 Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
                                   F E NVI VALD N S S PI LN R V G A I F F N M T D A E T N D S LN Q K L F D
UniRef90 V5V3Y0
                                   LVEPL ERLTERLTWSWGIVSHLMGVKNSPELRQAYQPFQNTIVALERSGSLLERVTTIFGNLLSAETNDEM QELAETIVALETAGAEMERVSTVYGVWSSGLSTPTLQEISKRLSP
UniRef90_K9RFI3
```

UniRef90 U6REG7 UniRef90_V4QHI5

```
130 140 150 16 KVT E Y SLELS QLC A A Y R RIKES P G F A QLS PVR Q K N D A L R D
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8 EVSPLLSAFQNDLTLNEKNSLDLNGEQQQLLDKRYKAFSR
UniRef90_G4BBZ6
UniRef90_Q21WC1
                                         CLTEYGNEVGQNKALYEAYQQLKSGSDYQGFNRAQKKFHLLSQAQRKTVANALRDFRLSGVALPPEQKKRYGETQSRLSTPITDYYAQMGQNKGLFKKFEAIVNSAEYHSYTLAENALRDEVSRFYAEVGQNLQLFNKYKALAASD EYARLSVAQRRL
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
                                         K L S A H F S E I S A N K A L F G R V N T V W E R D T I D L T D E Q A R V L R V A K L S S E L S Q A F T P Y E D T L T N A P Q E F I E V L N H E N G D V L T T E Q E T L L D K K Y K G F S R N G A N L P E D K K E K L R A I D K E L A C L P K L T D Y S T K L S H H Q M E Y Q K L N N A Q R K V I D N D L R D F
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
                                         EVS PLLS E F Q K D Q L N L T T E Q K T L L D K K Y K A F S R N G A N L K E P K L S A Y A S E L S Q N T E L Y T A F D R L A Q S P G F E R E P G L R D
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
                                         D F A P K L A A H G A A L T F E R L E A L W Q D R G A L D L A A E E A R L L E L
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
                                         EVS PMLT A F Q N D I S L L E N N Y I G F V R S G A N L S D A D K E K F R Q K F S P H F S E I S S A D V WA N R D S L D L T P E Q A R V L M L T H R G F V R D I S P L L T A F S N D I T L L N T E Q Q T L L D K T Y K G F V R N G A G L A E
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
                                         EVT PLLT E F Q N K L V Y D Q K E S L A L N T E Q A T L L D K K Y K G F T R E V S P L L S E F S N D L T L L T Q E Q Q T L L E K K Y K N F S R N G A N L K E
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
                                        AVTEFSTWVGLHEGLYKQYQRNWDPVRRRLVDLALRDFRL
                                         LLSEYST WVGQHEGLYN AYRDLRDGDHYATLNTADNALRD
                                         A D P G L R P F L T S A F V K L D N R M N E L T E A L L T T S Y K D A F V K K M G E D F L E R
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
                                         E F S P K L A A H F S E L T WD Q R E E L A L S D E Q Q R V L L L T H R G F V R
                                        D V S P K L S A H S S A L Y WARREEL G L S D E E A R V L Y L T H R G F V R L A E E L M P E I T A H T D G L N L A R I K T V Y D N Q D K E N L T T E Q K M V K L A A H F S E I S S N K A L F T R E T L G L G P E Q D R V L M L T H R G F V R R L S A F S S E I T A N R A L F A R E A L N L S P E E A R V L M L T H R G F V R R V T E F W S S V G Q N L A L Y E K Y K A L A S G E D Y A R L S P A D D A L R D L I T E H Q T E I A Q N E K L F S D M F A K L N R A Q Q K I I E N D L R D F K L D F G A K S A N F S S D V S L D P R E K A R L L D D T Y S G F V R N G A L L S D
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
                                         EISPLLSEFTNDITLLDKKYKNFSRNGANLQEEEKKRLREYTTDVYSEMGDKAAACLKKGMNSSYKELLTDKMG IEYAP
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
                                         EVTEFYSELGQNEELFRRYKEIYEKEKVGLPPEKKARLQEELSPLLTEHSNDILLLTPEQWTLLDKTYKSFVRNGAKLSE
UniRef90 UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
                                         QVE P E L VK F S S E M A Q S Q P L Y L E P A Q K R L L E A A L R D A E L S G
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
                                         MLPVITEFSTWIGLNQDEFASYTPTRKRITELALRDFRLKLSAYGTRVGQHQPLFSRY QAIVNDKVFFAALEPARARADYAPRLSAHSSAIVWEARNTLDLTPEQARVLMLTHRNFVRKVLPKLTGHGDNIYLNEDLFKKVNDQKKESLNLTTEQLRLSVSPKLAAYNTKALFKRVETLMAKKDTLGLTPEQDRVLEREFAPKLAAYSSELYWAERNTLGLTAEEARLLMLTHRGFRREIGPKLARHGSAIYLNPELWARISAIDAGGLGAEERRLDR
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
                                         KLATHSDALHLNPALFARERLYEDADSLGLDSESAWLLRR
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
                                         RVS A ALS R F R Q N G A L L D R Y R AVA A S A G F R ALS P E R R Q V E I S P L T E F S S K I S F D Q K D T L S L N T E Q Q T L L D E T Y K G F V R K V S P M M T E Y S M Y V S L N E P L F A R V K A V H E S G V A L E Q D Q A T L K T S E F Y T K L S L H P G L W Q A L K A Y S E T D E A R G L D P V Q A R L E L A A Y G T D L A Q H N G L Y Q D E Y P R L S A A Q Q K V V D D S L E S F E R
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
                                         KTYKSFTRNGANLSLNDKEHLRRIDKELARL KLKFFLLETIDSAEKALQKVKENLQEAAEQKTILSDKLDRWLQQDYAPKFAAYSSEITNNTKLFARIDWENRDALSLSEEQARVALTAALNDIDLSLTDVSIALFEDQESGADMTDRFGKSFEDEVSPVLSEFKNKTVYLQRESLELTIEQQMLLDKKYKAFLRKIMPLLSEHSNNITLNEKLFARVKEVYGQKQSLQYDSFVR
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90 Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
                                          KVKAVY
                                                                     LQKDSLGLTTEQQRLLDKTYKDFVRSGANLSA
UniRef90 V5V3Y0
                                         KIVQFSTRIGQSKPIYNAFKALREGDKWNSLDSADAELAGKMMPLLAEHNNSISLNEKLFARIKYDRKDQLTLNGEDSMLKLAAFGDEISQNEKLFQKIRIVYEGKAAFKLTPEQDRLLW
UniRef90_K9RFI3
```

UniRef90 U6REG7 UniRef90_V4QHI5

```
FRLSGIDLKKÄRYKELALRLÏŠELQTKFEENLMDALKAWSK
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8 NGANLPEDKKERLRELDAELAKKLTFGENVLAETNKFQMH
UniRef90_G4BBZ6
UniRef90_Q21WC1
                                              S G V D L N E Q D K E R F R K L S K K L S E C T S K Y S E N V L D A T D S W Q L L T S Q F S N N V M D A T H G W H K H I S E E S E L S G L P E F F R L S G I D L P S E K Q D E Y K Q A W S K H I T D E A E L S G L P E T A M G L V D H E I R D F R L G G A E L A A E D K P R F K A I A E E L A Q L S A K F S Q N
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
                                              T HLG F V R A L T G A D E A R M K E L K G R L A F T Q N L L S D E R N W F M K Q A F Q I E C T R K L A D T K L S V A E E Q L L S A M Q V D G R D A W G R M Y D L K L K F G E H I L A E T N K F E M H L T D E S D L S G L P E G A A G V T L S S E K K K Q Y A E L T K T L S Q L Q N Q F E E N L L D A T Q G W H K
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_D5BM72
                                              K Q E E L R E I D K Q L S A L S L N F G E N V L A E T N K F E L Q I I D E K D S F H L S G V D L P E D R K E R L R E I D A R L S T L T S N V L D A T Q S W T L Q
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
                                              THRSFVRALTGAQADRMTELKSRLSFTQNLLADESGWQME
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
                                              YSTELSKLFSENVLKETNKYELNITDKSKLAGMPEGALSGAALDGVDDARMKEIKGRLAVLGTQFQNLLADERSWFMKDKNKLREIDAKLAQLSLAFGEHVLHEINDPTKLAGLPESA
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
                                              NGALLA E E Q K N R L R V I D T E L Q L S L T F G E N V L A E T N N Y Q L H E K K R L R E L D A E L S K L K L T F G E N V L A E T N K D E K D V E G L P E G
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPl000479235B
UniRef90_K9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_R5QTM5
                                              S G V E L Q G Q A R E R Y A A L S E R E A Q V T Q K F S E N V L D A R D A W S M
                                              FELSGIGLPKEKQ QRYGE ATRLSESNNVLDATMGWTKLFRQFLCGLLQQRGHQQAEPLERLLHQQRLAGRLAWRQLWQYEKN KKLNSPEIEELSEQETALINEYSKTAA
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
                                               G G A A L E G D E D Q R M Q E L K G Q L A T L G T R F Q N L L A S E R D W F M E
                                            A G A A L E G E E A E R M K A V K S R L A V L G T E F Q N L L K D E A S W F M P L K K Y Y N N F V R G G A N L S A E D K E K F K K I N S E L L K F G A N Q L H E A G A A L T G A E D A R M K E I K A R L A V L G T E F Q N L L A D E R A W F M P A G A R L R D E A M E R M K I R A R L A E L G T Q F A Q N V L A D E R D W A M P F R L S G A E L S E D R K P R F A A L Q E Y W V T R E N E L A G L P E D V R E A A G I H L P A T K K A K M A E L Q Q T L S Q L M T T F S E N L L D A T N A W T L N E K G E L R S V D E R L A K L T P D F Q H N V L K A T N A F T L W V E D E A D
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
                                              ID A SLATLK GENILKETNKYQMHLTNEDDLEGLPESAYLEYYRENSGELTELNRREQE
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
                                              IQURUS DUQN QFSQNUT NEFEURI DSEEDVAEI PESDKAU
QANEUR KUDQEUA QTSUKFGENVUAETNENESDUEGUPEG
UniRef90 UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
                                              VGLQGETKERFNALQLEMAEQLKLTTPEEVEGLPPSWLGL
UniRef90_F5SU53
UniRef90_W0PB89
                                             S G V E L E G E Q R Q R Y A QL N E E I A L T S Q K F S E A L D A M D N W H Y Q I E L A L R S F E M S G V A L P K A E Q E Q F A A I Q S E L L P L E S A Q L A G A G A A L D G D E S A R M T V V K G R L E L G T A F T Q N V L A D E R D W Y M E L D N T Y K G F V R S G A N L N P E Q K T H L K E I N K E L A S A N N L L G E Y Y S I F H R A L D E T G K S R I A E I N E R L A A Q N V L A D E A S Y K L V L S G A A L T G A E E A R M R K I M A R L E L G T A F T Q N L L A D E S G W Q M E Y R I R F R R S G A D L G L E D K A R I A E I A A R M S E L G T T F S Q N L P F
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5X/CP8
                                              Y HLDLRELNTELS SLSTRFQDNLLADTNDLAVLVSDREEL
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
                                              VRNLIRDARLAGAELLRERIAQLAAVYQDNIADATRAFARNGALLSNDDKKKLEQINRDLSIKSLQFGQNVLAATNAYYKLDKTWKEDKATYSKLSEELSLLTLQYGKNVLAATNAFTLNLKLTIDEFRPEDRKARLLELNTRLAQVTNTFADATAAYELHGVALDDAKAEFRANSQRLTELASRFSNNVLDATNAWRLP
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
                                              SENVLAETQHYQWVISHKEELSGLPDFVLEMLATEAKKHHQKRFKEVKPWLKFPVEALEEERLILGPLFSLYTHLHLTHRSFVRSGAAVRGADGERGTQFMQNLLADERAWFMDAVYAGESLNSPEIQTDMEEENRLSTQYDTLLTTNGANLSEAKKKELREIDKHLSTLSLKFGENVLAETNRFELHGANLEGEAREQYRQLTNELSKLTLDFSENNLKETNRYQM
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90 Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
                                               EKQALREVNKQLSTLGLTFSNNLLNENNEFMDLAGLPEWF
UniRef90 V5V3Y0
                                              I A L E G E A Q E R F N A I Q M E M A E K L K L VN P E E V E G L P P S W L S L Q K T Y D G F I R S G A N L Q G E A K E K Y L R F S Q N L L K E T N N Y E L S V L F N Q F S D N L L H D E E Q T L Y F S K D E L A G
UniRef90_K9RFI3
UniRef90_U6REG7
```

Unrespo D-PI000275ADCS Unrespo D-PI000275ADCS Unrespo D-PI000470ABCS Unresp	H-:P-(00 1070144	210 220 230 230 240
UNINGREDO UPGONO/47CD13	UniRef90 Q11M43	L VI DE SELLAGMI DQDGWL LILIDF PSYDAVI Y I I NKELIR RE
UNINGREDO UPGONO/47CD13	UniRef90_G4BBZ6	T L E F P S Y I P W Y C E N R E L R E E
UNREND UPROMOPS CONTROLL OF A R CONTROLL OF A	UniRef90_UPI000470AB6C	
UNIRRIGHO UPDIODAGESS2A LE E A DIT K A G E E K E A G G P IV T I E A G P IV T I E	UniRef90_UPI000467CD13	LKQLAEQRSEKKSYPGWMVTLDFPSYLAVMTHADRSLREE
UNIRRIGIO UPDIODO 469822A UNIRRIGIO DE 1900 0469822A UNIRRIGIO DE 1900 046982A UNIRRIGIO DE	UniRef90_A9ISZ8	A A R Q A A Q E D N K P G WK L T L K M P C Y L P V M Q Y A D R A V M Y R
UNICEGO JOSO/TEGO UniRef90_R7BW55	GWRLIILOWPUVI PUIVA EHRPLREA	
UNICEGO JOSO/TEGO UniRef90_UPI000468582A UniRef90_U0EWC6	<u>L E E A DL K A G E E K E A G G P V V T L S R S L I T P F L Q S S R R D L R E K N I T G A L Q V D L K E G E E N R I G F S Q A A S I L Y G T D F D N Q E P</u>	
UNICEGO JOSO/TEGO UniRef90_S7VS90 UniRef90_A9NBE5	K E A A K Q L A E S K D K D G W L I T L D Y P S Y I P F M Y A D N R A L R E E Q I L D E N K L R G I P N H E G W L F T L E I P S Y L A V I M H A D R S L R K E	
UMRR890	UniRef90_D6V3H6 UniRef90_M6W185	T F D G K Y R F T I H M P S Y M A Y M T H P N R S I R
Unixelson	UniRef90_D5BM72 UniRef90_W0DEZ1	F K E E A K S V A E S S D K E G WI
Umrel90 CST2A2 Umrel90 CST2A24 Umrel90 CST2A2	UniRef90_A0A031HMI1 UniRef90_W4HHQ7	G WL V T L Q Q P S V A A L L T A E D R R L R A R
UNINCRISO UNINCR	UniRef90_C5T2A2	K T G Y KII ITII IK M P C YII IPIVIM Q F A T R SII IR F T
UNINCRISO UNINCR	UniRef90_B7RGY3	L D E A D L S A G E E K E A G G P V I T L S R S L I V P F L Q S P R R D L R E R I F A A A O T A O F K G K A G S WI F T I O F P S Y I P F M Y A F N R D I R F F
UNIRE905 W/Y 19 W 19 W 19 K 18 K 2 K 18 K 2 K 18 K 18 K 18 K 18 K	UniRef90_UPI000361B5D2	ITLSRSSVEPFLQSARRDLREK
UniRefo S7WZE1 UniRefo S7WZE1 UniRefo K9YKL1 UniRefo K9ZU08 UniRef	UniRef90_G2PRW7	TKEAAAQLAESKEKEGWLITLDYPSYLPFMYAKNRELRKE WMITIDAPSFMAVMQHKNRALRFF
UniRef90 (A9YKL1) UniRef90 (A9YKL1) UniRef90 (A9YKL1) UniRef90 (A9KC) UniRef90	UniRef90_S7WZE1	A A Q T A Q E K G K E G K W V F T L A F P S Y V P F M Y A K N R E L R K E
UNIRGEO CAZIGNO UNIRGE	UniRef90_K9YKL1 UniRef90_V0LKV3	WI I T D Y P S F G P F K S T Q R D R E K T T N E A K A Q A E A K E Q E G Y L T D P S Y P V M T Y C D N Q A R E
UniRef90_JSCU08 UniRef90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A A S G K [R E T] UNIREf90_JP() M Q A K N K [R E T] UNIREf90_JP() M Q A K N K [R E T] UNIREf90_JP() M Q A K N K [R E T] UNIREf90_JP() M Q A	UniRef90_Q2JQH0 UniRef90_R5QTM5	VTLSSPALIPQ QSTETLAHLQSLQTHPSAELRWA KEYTTMINGQSKTIDDDLDFNKQED
UNIRE90 SQRNY UNIRE90 SDDD22 A Q E A A A R D A D P K Q T A WK F T L H P P S Y F P Q Q Y A E H R P L R A UNIRE90 SDDD22 A Q E A A A R D A D P K Q T A WK F T L H P P S Y F P Q Q Y A E H R P L R R R UNIRE90 D P D D D D D D D D D D D D D D D D D	UniRef90_J3CU08	GYRUSUKMPSYUPVMOAASGKURET
UNIRE90 SQRNY UNIRE90 SDDD22 A Q E A A A R D A D P K Q T A WK F T L H P P S Y F P Q Q Y A E H R P L R A UNIRE90 SDDD22 A Q E A A A R D A D P K Q T A WK F T L H P P S Y F P Q Q Y A E H R P L R R R UNIRE90 D P D D D D D D D D D D D D D D D D D	UniRef90_UPI00037E31F4	N K K G WI F T L D F P S Y S A F V Y A E N R D L R K K L S E A D L S A G E A L G Q E G P V V T L S R S L I T P F L Q C P R R D L R Q T
UniRef90 B7JYR7	UniRef90_F9Z918	TNTYRLVIDNEKDLSGWVFTLQNPSIMPFLQYADRNLREQ
UniRef90 B7JYR7	UniRef90_S9QRN7	LAEADLEGLPDFLVSGEAVTLARSVVVVPFLQSPRRELRRR
UniRef90 B7JYR7	UniRef90_K2BAW4	HIT DEIDNAK QRGLT GYVLT L DYPSYSTALKYLQRRELRK
UniRef90_RFCC0 UniRef90_RFCC0 UniRef90_RFCC0 UniRef90_RTCA74 UniRef90_UPI0004292F7E UniRef90_UPI0004292F7E UniRef90_UPI0004292F7E UniRef90_UPI0002F8318 UniRef90_UPI0009799 UniRef90_UPI000979818 UniRef90_UPI0009789 UniRef90_UPI0003F0889 UniRef90_UPI0003F7088 UniRef90_UPI0003F0889 UniRef90_UPI0003F0889 UniRef90_UPI0003F7088 UniRef90_UPI0003F7088 UniRef90_UPI0003F7088 UniRef90_UPI0003F0889 UniRef90_UPI0003F7088 UniRef90_UPI0003F0889 UniRef90_UPI0003F7088 UniRef90_UPI0003F7088 UniRef90_UPI0003F7088 UniRef90_UPI0003F7088 UniRef90_UPI0003F7088 UniRef90_UPI0003F7088 UniRef90_UPI0003F7088 UniRef90_UPI0003F7088 UniRef90_UPI0003F7088 UniRef90_UPI0003F7088 UniRef90_UPI0003F7088 UniRef90_UPI0003F7088 UniRef90_UPI0003F080406 UniRef90_UPI0003F080806 UniRef90_UPI0003F08080 UniRef90_UPI0004228024 UniRef90_UPI0004280804 UNIREF90_UPI0004280804 UNIREF90_UPI0004280804 UNIREF90_UPI	UniRef90_G7UUU5	EPGWKFILLQMP <mark>C</mark> YLLPQIYADDRALLRQQ
UniRef90_R1CA74 UniRef90_S3UMT2 UniRef90_LP10004292F7E UniRef90_K1UDN3 UniRef90_F2!WQ7 UniRef90_W10002FE8318 UniRef90_W0PB89 UniRef90_W0PB89 UniRef90_W0PB89 UniRef90_W0PB89 UniRef90_W0PB89 UniRef90_A3JXA6 UniRef90_W0PB89 UniRef90_A3JXA6 UniRef90_W0PB89 U	UniRef90_UPI0003803D0B	K D A A A Q L A K N K G K K G W L T L D Y P S Y P F M Y A R N R A L R K E
UniRef90_UPI000429ZF7E UniRef90_K1UDN3 UniRef90_F2IWQ7 UniRef90_F2IWQ7 UniRef90_F2IWQ7 UniRef90_F2IWQ7 UniRef90_F5SU53 UniRef90_F5SU53 UniRef90_F5SU53 UniRef90_W0PB89 UniRef90_F5SU53 UniRef9	UniRef90_R1CA74	WRILIGILID MPSYILIPAMK FRD RSIVIREA
UniRef90_F2IWQ7 UniRef90_UP10002FE8318 UniRef90_UP10002FE8318 UniRef90_UP10002FE8318 UniRef90_UP10003F75088 NIREf90_UP10003F75088 UNIREf90_UP10003F7088 UNIREf90_UP10003F708F78 UNIREf90_UP10003F7808 UNI	UniRef90_UPI0004292F7E	
UniRef90_WOPB89 UniRef90_UP10003F7F088 UniRef90_A3JXA5 UniRef90_A3JXA5 UniRef90_GASVXA5 UniRef90_GASVXA5 UniRef90_GBPKQ6 UniRef90_GBPKQ6 UniRef90_BIMM41 UniRef90_W7YBP0 UniRef90_M7YBP0 UniRef90_M5VZP8 UniRef90_H5XCP8 UniRef90_H5XCP8 UniRef90_L5XVI3 UniRef90_R5E5T2 UniRef90_T4J5P4 UniRef90_C7M5B6 UniRef90_D7M5B6 UniRef90_D7M5B6 UniRef90_D7M5B6 UniRe	UniRef90_F2IWQ7	I T L S R S S I E P F L Q S T N R A L R E E
UniRef90_A3JXA5 UniRef90_F3ZR93 UniRef90_A3VZR1 UniRef90_A3VZR1 UniRef90_B1M441 UniRef90_B1M441 UniRef90_M1D015 UniRef90_H5XCP8 UniRef90_H5XCP8 UniRef90_B0JT09 UniRef90_B0JT09 UniRef90_B0JT09 UniRef90_L8N0K6 UniRef90_L8N0K6 UniRef90_C413H6 UniRef90_C413H6 UniRef90_G2ZK73 UniRef90_G2ZK73 UniRef90_G5ZJK73 UniRef90_G5ZJK73 UniRef90_UP10003B6A6B6 UniRef90_UP10003B6A6B6 UniRef90_UP10004228B24 UniRef90_UP10004228B24 UniRef90_UP10004228B24 UniRef90_C7M5B6 UniRef90_	UniRef90_F5SU53	T L DI PVY L A V M T H D D R D L R E T VD D A A M E G P Q D V I G W R F T L K M P S Y L P V M Q A K N A T L R E A
UniRef90_G3PKQ6 UniRef90_A3VZR1 UniRef90_A3VZR1 UniRef90_A3VZR1 UniRef90_M7YBP0 UniRef90_M1D015 UniRef90_H0D015 UniRef90_B1M41 UniRef90_B0H05 UniRef90_M5ZCP8 UniRef90_B0H09 UniRef90_B0H09 UniRef90_B0H09 UniRef90_B0H09 UniRef90_B0H09 UniRef90_B0H09 UniRef90_B0H09 UniRef90_C413H6 UniRef90_K1MWG3 UniRef90_C413H6 UniRef90_G2H3H6 UniRef90_G2H3H6 UniRef90_G2H3H6 UniRef90_G2H3H6 UniRef90_G8BK7L UniRef90_B0H09 UniRef90_B0H09 UniRef90_B0H09 UniRef90_B5B7J1 UniRef90_B0H09 UniRef90_B0H09 UniRef90_B0H09 UniRef90_G9ZJK7 UniRef90_G9ZJK7 UniRef90_C7M5B6 UniRef90_T4J5P4 UniRef90_T4J5P4 UniRef90_C7M5B6 UniRef90_C7M5	UniRef90_UPI0003F7F088	T
UniRef90_M1D015 UniRef90_H5XCP8 UniRef90_H5XCP8 UniRef90_L8NoK6 UniRef90_L8NoK6 UniRef90_C4l3H6 UniRef90_C4l3H6 UniRef90_UPl0003B6A6B6 UniRef90_UPl0004228B24 UniRef90_UPl0004228B24 UniRef90_UPl0004228B24 UniRef90_V4UJC4 UniRef90_C7M5B6 UniRef90_C7M5B6 UniRef90_C7M5B6 UniRef90_R5E5T2 UniRef90_R5E5T2 UniRef90_R5E5T2 UniRef90_R5E5T2 UniRef90_R5E6T2 UniRef90_R5E	UniRef90_F3ZR93	DNNYKLYLDKEEDLAGWLVTLHNSSRLPFLQNADRELRQQ ENESDLEGLPEFEERGEALTLSRSSLEPFLQSKRRDLREE
UniRef90_M1D015 UniRef90_H5XCP8 UniRef90_H5XCP8 UniRef90_L8NoK6 UniRef90_L8NoK6 UniRef90_C4l3H6 UniRef90_C4l3H6 UniRef90_UPl0003B6A6B6 UniRef90_UPl0004228B24 UniRef90_UPl0004228B24 UniRef90_UPl0004228B24 UniRef90_V4UJC4 UniRef90_C7M5B6 UniRef90_C7M5B6 UniRef90_C7M5B6 UniRef90_R5E5T2 UniRef90_R5E5T2 UniRef90_R5E5T2 UniRef90_R5E5T2 UniRef90_R5E6T2 UniRef90_R5E	UniRef90_A3VZR1	LAEDDLELVDAAHAAGQEKTLSRSLIVPFLQSPRRDLRKK LRAATESAARERGLDGHVVTLSRSLIEPFLCSTRRDLRER
UniRef90_B0JT09 UniRef90_L8N0K6 UniRef90_C4I3H6 UniRef90_K1MWG3 UniRef90_L9N0K6 UniRef90_L9N0K6 UniRef90_L9N0K6 UniRef90_L9N0K6 UniRef90_UPI0003B6A6B6 UniRef90_UPI0003B6A6B6 UniRef90_UPI0003B6A6B6 UniRef90_UPI0003B6A6B6 UniRef90_UPI0003B6A6B6 UniRef90_UPI0004B6A6B6 UNIREf90_UPI004B6A6B6 UNIREf90_UPI004B6A6B6 UNIREf90_UPI004B6A6B6 UNIREf90_UPI	UniRef90_W7YBP0 UniRef90_M1D0I5	
UniRef90_L8N0K6 UniRef90_C4l3H6 UniRef90_R5B7J1 UniRef90_Upl0003B6A6B6 UniRef90_G9ZJK7 UniRef90_Upl0003B6A6B6 UniRef90_Upl0003B6A6B6 UniRef90_Upl0003B6A6B6 UniRef90_Upl0003B6A6B6 UniRef90_Upl0003B6A6B6 UniRef90_Upl0003B6A6B6 UniRef90_Upl0003B6A6B6 UniRef90_Upl0003B6A6B6 UniRef90_Upl0003B6A6B6 UniRef90_Upl0003B6A6B6 UniRef90_Upl0003B6A6B6 UniRef90_Upl0004228B24 UniR	UniRef90_H5XCP8 UniRef90_I5AVI3	
UniRef90_UP/0003B6A6B6 L K D A I R R D A E G R G Q E G H R L I L H Q P V L Q P I L Y A D D R E L R R E L UniRef90_K9Z844 UniRef90_M0S0T7 UniRef90_UP/0004228B24 UniRef90_V4UJC4 UniRef90_C7M5B6 UniRef90_C7M5B6 UniRef90_Q28TY3 UniRef90_Q28TY3 UniRef90_Q28TY3 UniRef90_R5EF7E UniRef90_R5EF7B UniRef90_R5EFFRB RE T U D A P V V I P V A D D R E L R E E L R E E L R E A T A T E K N K K G WI F T L E Y P S Y I P F M Y A K N R E L R K E L R K E L R K E L R K E L R K E L R K E L R R E T U D A P S Y V P F M Y A D D R E L R E T U D A P V V I P V I P V A D D R E L R E T U D A P V V I P V I P V A D D R E L R E I R E I R E I R E I R I K I I I I I I A A A F T A R S F D K F G WA F T I I H A P S Y V P F M Y A D D R E L R E I R E I R E I R E I R I K I I I I I I A A A F T A R S F D K F G WA F T I I H A P S Y V P F M Y A D D R E L R E I R E I R E I R E I R E I R E I R I K I I I I I I I I I I I I I I I I	UniRef90_B0JT09 UniRef90_L8N0K6	WVITLDFPSYFPFMYSDNRELREK
UniRef90_UP/0003B6A6B6 L K D A I R R D A E G R G Q E G H R L I L H Q P V L Q P I L Y A D D R E L R R E L UniRef90_K9Z844 UniRef90_M0S0T7 UniRef90_UP/0004228B24 UniRef90_V4UJC4 UniRef90_C7M5B6 UniRef90_C7M5B6 UniRef90_Q28TY3 UniRef90_Q28TY3 UniRef90_Q28TY3 UniRef90_R5EF7E UniRef90_R5EF7B UniRef90_R5EFFRB RE T U D A P V V I P V A D D R E L R E E L R E E L R E A T A T E K N K K G WI F T L E Y P S Y I P F M Y A K N R E L R K E L R K E L R K E L R K E L R K E L R K E L R R E T U D A P S Y V P F M Y A D D R E L R E T U D A P V V I P V I P V A D D R E L R E T U D A P V V I P V I P V A D D R E L R E I R E I R E I R E I R I K I I I I I I A A A F T A R S F D K F G WA F T I I H A P S Y V P F M Y A D D R E L R E I R E I R E I R E I R I K I I I I I I A A A F T A R S F D K F G WA F T I I H A P S Y V P F M Y A D D R E L R E I R E I R E I R E I R E I R E I R I K I I I I I I I I I I I I I I I I	UniRef90_C4I3H6 UniRef90_K1MWG3	IVTTDEELDGIPDYARAEFTLDFASYQPVMQSTCRALREE HIQDKNELKGIPESIGYVITLQYPSYIPLMYAENRALRAE
UniRef90_M0S0T7 UniRef90_T4J5P4 UniRef90_UPl0004228B24 UniRef90_UPl0004228B24 UniRef90_C7M5B6 UniRef90_R5E5T2 UniRef90_Q28TY3 UniRef90_Q28TY3 UniRef90_R5E5T2	UniRef90_R5B7J1 UniRef90_UPI0003B6A6B6	
UniRef90_MOSOT7 UniRef90_T4J5P4 UniRef90_UPl0004228B24 UniRef90_V4UJC4 UniRef90_C7M5B6 UniRef90_R5E5T2 UniRef90_Q28TY3 UniRef90_R5E5T2 UniRef9	UniRef90_G9ZJK7 UniRef90_K9Z844	WIV I I LID Y P S Y V IP FILIK S E R R DIL IR E K
UniRef90_UP10004228B24 UniRef90_V4UJC4 UniRef90_C7M5B6 UniRef90_R5E5T2 UniRef90_Q28TY3 UniRef90_Q28TY3 UniRef90_R5AFP8 UniRef90_H2BYW3 UniRef90_H2BYW3 UNIREf90_O89ZY9 UNIREf90_O89ZY9	UniRef90_M0S0T7 UniRef90_T4J5P4	WM[<u> </u>]T <u> </u>]D A P S Y <u> </u> P <u> </u> V M Q H K N R S <u> </u> L R E E E E
UniRef90_R5E5T2 UniRef90_Q28TY3 UniRef90_Q28TY3 UniRef90_H2BYW3 LKSSIRTNVTLPDGTVKKSTPSVANFAVKNTS DPELRTL LSEADLTAGEEKGADGPVLTLSRSLIVPFLQSPRRDLRER FTLKEGGREYTM EDI AALSEQDYSEYVR UniRef90_H2BYW3 LKEEAEATATEKNKKGWIFTLEYPSYIPFMYAKNRELRKE UniRef90_O89ZV9	UniRef90_UPI0004228B24 UniRef90_V4UJC4	T L G R S S V E P F L Q S T R R D L R E T
UniRef90_Q28TY3 UniRef90_R5AFP8 LISEADLITAGEEKGADGPVLTLISRSLIVPFLQSPRRDLIRER FTLKEGGREYTM EDI AALSEQDYSEYVR UniRef90_H2BYW3 LKEEAEATATEKNKKGWLFTLLEYPSYLPFMYAKNRELIRKE UniRef90_0897V9 LITAAAFTARSEDKFGWAFTLLHAPSYVPFMYADNRFLRHK	UniRef90_C7M5B6 UniRef90_R5E5T2	ILIK S SII IR T NIVITILIP D G T IVIK K S T P SIVIA N F A IVIK N T S
UniRef90 Q897V9	UniRef90_Q28TY3 UniRef90_R5AFP8	II IS FADILITAGEEK GADGPIV LITILIS RSIL L VIPEILIOS PRRDILIRER
UniRef90 UPI00037BD3CC	UniRef90_H2BYW3 UniRef90_Q89ZV9	
UniRef90 R5K5Q2 CQSASFFAKAAGQFGKWI FTILIH NASRI PFILIQSDNRSI RFK	UniRef90_UPI00037BD3CC UniRef90_R5K5Q2	COSASEFAKAAGOEGKWII IETII IHNASRII IPEII IOSDNESII IREK
UniRef90_V5V3Y0 W <u>H</u> JI T L D F P S F G P F M Q H S Q R R L R E Q	UniRef90_V5V3Y0 UniRef90_K9RFI3	WHITL DFPSFGPFMQHSQRRLREQ AAQADAGESNATPENGWLVTLDFPSYAPFMQSKRRDLREQ
UniRef90_U6REG7	UniRef90_U6REG7	LTTSQLQTAKEKGKEĞNLİTLDAPŞFÜPFMY <mark>C</mark> KDRTLRQQ LSDGFLASAASAKAGKDGQYAVANTRSAMFATNRATREK

UniRef90_I8T9M1 UniRef90_Q11M43	250 260 270 280 Y T A Y S T R A S D Q Q F D N G P A E E L K L R H E E A L L L G F N N Y L V L E A F T R R G A N D G E N N A G V Q K T L K L R A E K A R L L G Y E N Y A
UniRef90_UPI000255ADC8 UniRef90_G4BBZ6	V L E A F T R R G A N D G E N N A G L V Q K T L K L R A E K A R L L G Y E N Y A L S L A F S K G F H G D E L D N Q K N V L K I A K L R F E R A Q L L G Y A T H A M Y H A F A T R A S D Q G P D N S A L M Q E L L S L R V E L A K L L D F N T Y L
UniRef90_Q21WC1 UniRef90_UPI000470AB6C	MYRAFVIRASDQADDNSAL MSE MLALRUE EAKL L GYRNFL MYRAFVIRASDQAEDNSAL MVEL L QLRQQLAQL L GENHYR
UniRef90_C5BJR0 UniRef90_UPI000467CD13	MYEAFNIRASEGQWDNIAIIMEEILLIAILIRQEILIAEILLIGFSNYILI
UniRef90_A0A011PBG3 UniRef90_A9ISZ8	VYKAFSTRASELADDNSDLIRQILDLRHQKAQLLGFDHYLAYATRAAEFGAAELDNTPLIRRILELRREQAQLLGYQNYAMYRAYASEQGDARYDNSPLIEELLALRAEESALLGYGTFA
UniRef90_UPI0003034E11 UniRef90_R7BW55	IL IY RII IR A S E F G D A T IL ID N S G NII ID RIV L IAIL IR A E IL IA T IL L IG F A N Y A
UniRef90_UPI000468582A UniRef90_U0EWC6	VYRAFVTRASEFGPDNGPVIQQLLELRQKEAELLGFKNFA AFKAWEARGANGGETNRAI AAETLALRKERAALLGYNSFS AWRGIQEAMQTHQESFAGI LNALAGWRHTENQKRSHVHFL
UniRef90_S7VS90 UniRef90_A9NBE5	A WRGI QE A MQTHQESFAGI LNALAGWRHTENQKRSHVHFL LSKAFGKGFQNDELDNQNI VLKI AQLRFERAQLLGYKTHA MYTAFVTRASDQGPDNTALMEQILDARLKLANLLGFTNFA
UniRef90_D6V3H6 UniRef90_M6W185	
UniRef90_D5BM72 UniRef90_W0DEZ1	
UniRef90_A0A031HMI1 UniRef90_W4HHQ7	V
UniRef90_C5T2A2 UniRef90_X5D9L3	LY MAY SKSFKGDELDNQENVKRLAELRLEMAKLLGYKNYA
UniRef90_B7RGY3 UniRef90_UPI00042533FF	A FILIA WOARGANDGET NRAILIAA FTILIAILIREERAKII LIGYRNEA
UniRef90_UPI000361B5D2 UniRef90_H8XSD9	A F R A WA A R G E G G G A T N R A I A A E T V K L R A E R A R L M G F E T Y A L N I A Y K K A F Q Q N E Y N N E E I V K I V A L R H E R A N L L G Y K T H A
UniRef90_G2PRW7 UniRef90_M7ZTY0	
UniRef90_S7WZE1 UniRef90_UPI000479235B	LF LAYNKSAKGDELDNREIIKDILKLKDERAKLLGYANYA MYRAYASEQGDAQFDNSPLIEELLALRAEESRLLGYQTFA VYRAFVTRASEGDTDNNPLINKILTLRQEQADILGYKNYA
UniRef90_K9YKL1 UniRef90_V0LKV3	MYRAYASEQGDAQFDNSPLIEELLALRAEESRLLGYQTFA VYRAFVTRASEGDTDNNPLINKILTLRQEQADILGYKNYA EMYRAYSTRASDQGPNAGKWDNILALRHELAQLLGFENYA
UniRef90_Q2JQH0 UniRef90_R5QTM5	A Y Q R L G Q H L E A H A E L G G F I L S V L I R D H L W E A Q W R G Y D S A A I D G Y Y D L Y E Q K N K E L G T I Y K K L V S I R V E L A K K L G Y E N Y T
UniRef90_J3CU08 UniRef90_A4EQK7	E MY R A Y S T R A S D Q G P N A G K W D N I L A L R H E L A Q L L G F E N Y A A Y Q R L G Q H L E A H A E L G G F I L S V L I R D H L WE A Q W R G Y D S A A I D G Y Y D I Y E Q K N K E L G T I Y K K L V S I R V E L A K K L G Y E N Y T L Y R A Y T T R A S D Q K F D N S A I M K E I L A L R L E E A Q L L G Y R N F G A F R A W A A R G E E G E A D N R G I A A E I L K L R Q E R A E L L G Y S S F A M F V A F A S R F N K N V N N N E K N I L E I V K L R D E R A K L L G Y N N Y A A F E A W A A R G A N G G E T N R S I A A E V L A L R E E R A K L L G Y A D F A I Y K A Y I D R G S Q D Y N N W A N I S K M V S L R V Q K A R L L G F P D Y A
UniRef90_UPI00037E31F4 UniRef90_Q0FQ83	MFVAFASRFNKNVNNNEKNI LEI VKLRDERAKLLGYNNYA AFEAWAARGANGGETNRSI AAEVLALREERAKLLGYADFA
UniRef90_F9Z918 UniRef90_F7ZAX4	I Y K A Y I D R G S Q D Y N N WA N I S K M V S L R V Q K A R L L G F P D Y A A F E A WA A R G A N G G Q T N R A I A A E L L S L R E E R A K L L G Y A S F A A WE A W T R R G A G G G A T N R A I A A E M L A L R A E R A A L L G Y A S Y A
UniRef90_S9QRN7 UniRef90_S0DDZ2	MYRAYVIRASELIGEDNIELVREQLELRSE <u>E</u> AQIILGYRNFA
UniRef90_K2BAW4 UniRef90_UPI00047E1AAC	
UniRef90_G7UUU5 UniRef90_B7JYR7	AYAVRASEAGDEKLDNSPLIQKILALRAELAQLLGFASYG VYKAFLTRSSQGDLDNNPLIERILELRQEQAQLLGYKTYA LTIAFGSRFHNDELDNQANVIRIANLRYERARLLGYKSHA
UniRef90_UPI0003803D0B UniRef90_R5FCC0	ALV REKNRVLGSKFRELVQVRRRTAELLGTKSHA
UniRef90_R1CA74 UniRef90_S3UMT2 UniRef90_UPl0004292F7E	ALV REKNRVLGSKFRELVQVRRRTAELKGYDNYA LYRAFVTRAGEV NAPLIRQILQIKQEQASILGFGSYA LYKAYVTRAPKNGALIEEILALRDESSKILGFGSYA LYKAYVTRAPKNGALIEEILALRDESSKILGYSNFA LFMAFNKASKGDELDNQENIKQILTLRHRRAQLLGYSTHA LYKAYIDRCNEGSEDNRSLVNDFARLRNEKARLLGYPSYA AFRAWASRGETGGETNRAIVAETIALRAEKARLLGYETYA VYRAYIRRAAEGEWDNNPLIDARILTRQEEAEILGYKSYG
UniRef90_CF10004292F7E UniRef90_K1UDN3 UniRef90_F2IWQ7	LYKAYIDRONG GSEDNRSIL VNDFARL RNEKARL LGYFSYA
UniRef90_UPI0002FE8318 UniRef90_F5SU53	VYRAYÜRRAAEGEWDNNPLIDRILTLRQEEAEILGYKSYG
UniRef90_W0PB89 UniRef90_UPI0003F7F088	LYRGYASELGDPQYDNSQVMAEILALRAKKSKLLGFDNYALYRGYASELGDPQYDNSSVIEKLLDLRLEDAQLLGFSNFALYRAYVTRASEFDENNADIMGQLLQLREQKAKLLGFDNYAAFRAWAARGANGGKTNRGIAAETLKLREERAALLGHKNFA
UniRef90_A3JXA5 UniRef90_F3ZR93	
UniRef90_G8PKQ6 UniRef90_A3VZR1	AFNAWAKRGDNAGETNSAI VRETVQLRNEKAKLLGFESFA AYESWVSRGAMGGETNREVAAEI LRLRAERAALLGYANFA AYAAWTRRGENGGATNRALIAEI I RLRAERARLLGFESFA
UniRef90_B1M441 UniRef90_W7YBP0	A Y A A WT R R G E N G G A T N R A L L A E L L R A E R A R L L G F E S F A L F K A Y N N R G N N N Q F D N K E N L Q K L V S L R V K R A Q L L G Y K N H A
UniRef90_M1D0I5 UniRef90_H5XCP8	
UniRef90_I5AVI3 UniRef90_B0JT09	
UniRef90_L8N0K6 UniRef90_C4I3H6	LYKAYVSRADLGELDNNPLIDRILQLRQEQAHLLGYSTYA LYRAFVSRAASGEFDNSPLIDRILELRQQKANLLGYSTYA MYRARSTRASEFRRDNAPVMAEILKLRREQAALLGYRDFA
UniRef90_K1MWG3 UniRef90_R5B7J1	ALIANGKKSFDYGEYDNQKLIJKEJITHLIRQQKAQLLIGYAHFA MWMAYNTRATEGDNSNIJEJI <mark>C</mark> RQJAEJIRIJKIJANJIJGYFTYA
UniRef90_UPI0003B6A6B6 UniRef90_G9ZJK7	
UniRef90_K9Z844 UniRef90_M0S0T7	VYRAYUMRASSGDLDNTPI I GQI LKLRLEKAKI LGYDNYA
UniRef90_T4J5P4 UniRef90_UPI0004228B24	VYRAYNARASELADDNAAIIEETMRLRARQAEILGYADYLVYRAFISRAGGGEYDNNPLIDKILSLRLELANLLGYDNYAVYRAYVMRASSGDLDNTPIIGQILKLRLEKAKILGYKNYAYVKIYSDYLKKYNPIFGNIFLELIQTRTEIASKQGFKNYLAFKAWIARGEGAASDNRPIIAETVALRAEQARLLGYPSYA
UniRef90_V4UJC4 UniRef90_C7M5B6	VYRAYVSRASSGDLDNTPLIDRILKLRLEKAKLLGYKNYA LFIDYHSRCAGDSYNNEANVLRIAELRAQRASLLGYPDYL FFNALSACFATNSSMFCDILNAVAGAHLLRA SRLGMSTL
UniRef90_R5E5T2 UniRef90_Q28TY3	AYRAWAARGANGGETNLGI AAETLALREERAKLLGYKDFA
UniRef90_R5AFP8 UniRef90_H2BYW3	A Y R A WA A R G A N G G E T N L G I A A E T L A L R E E R A K L L G Y K D F A L F D A Y Y A S L N A Q A G D L F L K L V K I R T R L A K T L G Y E S Y A A L A F G A K G F H N D E L D N K Q N V L Q I V N L R Y Q R A R L L G F E T H A
UniRef90_Q89ZV9 UniRef90_UPI00037BD3CC	LYI A Y N T K C H D N E F N N I E I V K K L V N T R M K I A Q L L G Y K D Y A A F A A W I A R G E A G K T D N R A I I A E T V A L R A E R A K L L G F E T F A I Y K A Y I N R N N N D K N D N K K I I T D I V S L R L E K A R L L G F D C Y S
UniRef90_R5K5Q2 UniRef90_V5V3Y0	LYRAYI SRASSGE WDNRPI LERI LALRVE EAQL LGFNTYL
UniRef90_K9RFI3 UniRef90_U6REG7	LYRAYI SRASSGEWDNRPI LERI LALRVEEAQL LGFNTYL MYKAFLSRASTGELDNRPI I KRI LDLRQELAQL LGYKNYA LYMAYNTQCHDNEYNNMDI I KQL VNI RMELVQL LGYSNYA
UniRef90_V4QHI5	VWRFY WNR GDNDASDNNALIKQLLKLR VERANLR GYKT HA

```
GYGNNGGTGGGAGGGGGGGGGGAGHGGGNNNGKGG GGGGRGRRGQGGKKG GGGGGGGKDQQGEN GEGGGGDNNE

DGDYLLYKLLLLDHDLGLDLLGLNMAGDDGDLAFL LDDLGMLDGLAD NLDLGAYLYDGGMLGGG AGLDNALA

DGDYLLYKLLLLDHDLGLDLLGLNMAGDDGDLAFL AFLMEFAHKNERFAHKNERFARAAA

QAETQGETADEHREKAKEERDHHEKDEEDKAAAAREGRKEKERTKSETE TENTSGETRHKSEAASRYTSAGRAREG

KAKKTSKDRARSMAKKAAKRAATATTAKKKSSKKSQAMQEDAAAKRRKK AKKNRKAAALDQTQDKASKKRKAKTKA

AAACCASAKAAAAMMASLFAMAMAYLLVAAAVAALAKYAMALLAALAAKRRKK AKKNRKAAALDQTQDKASKKRKAKTKA

AAACCASAKAAAAMMASLFAMAMAYLLVAAAVAALAKYAMALLAALAALAA FLAMALKAYMMALLLCVLLAALYGALN

AAACCASAKAAAAMMASLFAMAMAYLLVAAAVAALAKYAMAMALLAALAA FLAMALKAYMMALLLCVLLAALYGALN

AAACCASAKAAAAMMASLFAMAMAYLLVAAAVAALAKYAMAMALLAALAA FLAMALKAYMMALLLCVLLAALYGALN

AAACCASAKAAAAMMASLFAMAMAYLLVAAAVAALAKYAMAMALLAALAA FLAMALKAYMMALLLCVLLAALYGALN

AAACCASAKAAAAMMASLFAMAMAYLLVAAAVAALAKYAMAMALKAYMMALLLCVLLAALYGALN

AAACCASAKAAAAMMASLFAMAMAYLLVAAAVAAALAKYAMAMALKAYMMALLLCVLLAALYGALN

AAACCASAKAAAAAMMASLFAMAMAYLLVAAAVAAALAKYAMAMALKAYMMALLLCVLLAALYGALN

AAACCASAKAAAAAMMASLFAMAMAYLLVAAAVAAALAKYAMAMALKAYMMALKAYMMARLFEEDAFFEERYQG
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_UPI0WC6
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
  UniRef90_M6W185
UniRef90_D5BM72
  UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_WODEZ1
UniRef90_A0A031HMI1
UniRef90_OA0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_SD9L3
UniRef90_BTRGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_M7ZTY0
UniRef90_WYZE1
UniRef90_UPI000479235B
UniRef90_UPI000479235B
UniRef90_UPI000479235B
UniRef90_UPI000479235B
UniRef90_N3CUK3
UniRef90_Q2UQH0
UniRef90_A4EQK7
UniRef90_J3CU08
UniRef90_J3CU08
UniRef90_UPI00037E31F4
UniRef90_UPI00037E31F4
UniRef90_UPI00037E31F4
UniRef90_S9DRN7
UniRef90_S9QRN7
UniRef90_S9QRN7
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
  UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_SJUMT2
UniRef90_VPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_VPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_F3ZR93
UniRef90_B1M441
UniRef90_B1M441
UniRef90_B1M415
UniRef90_B1M411
UniRef90_B1M413
UniRef90_B1SXCP8
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_I5AVI3
UniRef90_I5AVI3
UniRef90_BUJT09
UniRef90_BUJT09
UniRef90_C4I3H6
UniRef90_K1BMG3
UniRef90_K1BMG3
UniRef90_K9ZB44
UniRef90_G9ZJK7
UniRef90_G9ZJK7
UniRef90_MOSOT7
UniRef90_T4 ISP4
 UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ALE
FSG
YIN
DGV
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
  UniRef90_R5AFP8
  UniRef90_H2BYW3
  UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_UF10003/
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_U6REG7
```

```
UniRef90_I8T9M1
UniRef90_Q11M43
UniRef90_UPI000255ADC8
UniRef90_UPI000255ADC8
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
UniRef90_U0EWC6
UniRef90_S7VS90
UniRef90_A9NBE5
UniRef90_D6V3H6
UniRef90_M6W185
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_S7WZE1
UniRef90_S7WZE1
UniRef90_WPI000479235B
UniRef90_W9YKL1
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_Q2JQH0
UniRef90_B5QTM5
UniRef90_J3CU08
UniRef90_J3CU08
UniRef90_UPI00037E31F4
UniRef90_UPI00037E31F4
UniRef90_QPQ83
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
UniRef90_G7UUU5
UniRef90_B7JYR7
UniRef90_UPI0003803D0B
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90_UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_W0PB89
UniRef90_UPl0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
UniRef90_I5AVI3
UniRef90_B0JT09
UniRef90_L8N0K6
UniRef90_L8N0K6
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
UniRef90_H2BYW3
UniRef90_Q89ZV9
UniRef90_UPI00037BD3CC
UniRef90_R5K5Q2
UniRef90_V5V3Y0
UniRef90_K9RFI3
```

UniRef90 U6REG7 UniRef90_V4QHI5

UniRef90_l8T9M1 UniRef90_Q11M43	370 380 390 400 Y GLRCERLP D R F YLD P F A R D E K R G G A WM D E CH N R R A Y L V C Q K S V P A WHED V R V F T V K N R D G K R S G A WM S G L Q S G Y K Y N I M
UniRef90_UPI000255ADC8 UniRef90_G4BBZ6 UniRef90_Q21WC1	VFKVAEKLFGLFYADFHPRPGKRGGAWMTSFKSQHVSNVC TWHKDVRFFDSFYLDLYARFHKRGGAWMDDCLGRRAYLTC
UniRef90_UPI000470AB6C UniRef90_C5BJR0 UniRef90_UPI000467CD13	L F S I T E K L F A G F Y L D L F A R N K K R G G A WM D E C R V R R A Y L T C I F E V A R R I F D G F Y F D I Y A R A K K R G G A WM D V C R O R R A Y I V C
UniRef90_A0A011PBG3 UniRef90_A9ISZ8	L
UniRef90_UPI0003034E11 UniRef90_R7BW55 UniRef90_UPI000468582A	DVRFFRVVDAQGYLDLYAREGKRGGAWMDDCRNRRVYLVC LFGLVERLFDIRYTDLFARASKRGGAWMDNPDGTHAYLVC SFACATKLFGLKFKPYFARGSKRSGAWCKFPKVQAPVVIN
UniRef90_U0EWC6 UniRef90_S7VS90 UniRef90_A9NBE5	MAEFV VTDADGEL VSIFYADFFPRAGKRNGAWMTSYKPQHISNVC LFKI VNRLFAYFYFDLYARENKRGGAWMDDHRPRRAFVVC
UniRef90_D6V3H6 UniRef90_M6W185 UniRef90_D5BM72	AFDVAHRLFALFYGDYFARPSKRSGAWMTSLRDQEPVIIM TFQFLNKLFGRLYLDLESRKDKQGGAWMHNWHSRNAFVVC YGLQFNETKELEKYHFHPRPGKRGGAWMTEYKSQHVSLVC
UniRef90_W0DEZ1 UniRef90_A0A031HMI1	WH D D V R Y F R A G F Y L D L Y A R S A K R G G A W M D V C R S R V A F M T C D A R Y F D V A D E D G Y L D L H A R A G K R G G A W M A P A R P R V A Y M V C
UniRef90_W4HHQ7 UniRef90_C5T2A2 UniRef90_X5D9L3	A M D C A N R L F G L E F G D Y F A R A S K R S G A W C S A L R S Q V P V N V C L F K L L E E Q F Y L D Q P A R T G K R G G A W M D D V R T R W A H L V C V F D A D G T F L S V F Y T D F H P R P G K R G G A W M N D F K G Q H V T I V M A F S C A T R L F S L E F A P Y F A R G S K R S G A W C K F P D V Q S P V V I N
UniRef90_B7RGY3 UniRef90_UPI00042533FF UniRef90_UPI000361B5D2	AFSCATRLFSLEFAPYFARGSKRSGAWCKFPDVQSPVVINVFEVARKLYGIFYADFFPRAGKRNGAWMTAYRGQHVAIVCVFYTANRLFGLDFLDYYARSSKRSGAWMSNFREQYPLVVN
UniRef90_H8XSD9 UniRef90_G2PRW7 UniRef90_M7ZTY0	I H N I D K Y L VÂV F Y A D F F P R K G K R N G A WMT S F K P Q H V S I V C V F K V A E K L F G L F Y A D F H P R P G K R G G A WMT S Y K P Q H I S N V C L F S L A N K L F G L T V E A A D G L A P M P P V G D K P S L M
UniRef90_S7WZE1 UniRef90_UPI000479235B	V N D E N G N H L A V F Y A D F F P R A G K R N G A WM T V Y R G Q H V S I V C L F Q V A E T L F N V R Y L D L Y A R S G K Q S G A W V D S E R N R R R Y L T C
UniRef90_K9YKL1 UniRef90_V0LKV3 UniRef90_Q2JQH0	DVKYFQVADENNYLDAYSRPAKRGGAWMDDCVGRVAYLTCLYDENNELRGSFYLDLYAREHKRGGAWMDDCVGQMAYLTCCAAQAKPWLPEIRSNLEAPAGKPETPSLGGEPLALLLQALAMQDAYDYMQKHHLYQIDDDSNMLHAGYTTILGNEPFLFI
UniRef90_R5QTM5 UniRef90_J3CU08 UniRef90_A4EQK7	II IF KII VIF III IF F O F YII ID O P A R I G K R G G A WMD DIVIR A R WA HII VI <mark>C</mark>
UniRef90_UPl00037E31F4 UniRef90_Q0FQ83 UniRef90_F9Z918	Y GLN F K K I D T T E K Y H F F P R P G K R A G A WMS S F K N Q H K R L V C A F T C A N R L F G L F F K P Y F A R A S K R S G A W C S A M R S Q A K R P K C
UniRef90_F7ZAX4 UniRef90_S9QRN7	S F A C A E R L F G L Q F K P Y F A R G S K R S G A W C K F P K P Q A P I V I N V F D V A G R L F A P R W H D F F A R E G K R S G A W C M A M R S Q H V V N V C
UniRef90_S0DDZ2 UniRef90_K2BAW4 UniRef90_UPI00047E1AAC	LFNVAQTLFAQFYLDLYAREGKRGGAWMDDARSRRAYLNC Y DEEDELRGGFYLDLFARPHKRDGAWMDECRTRKAYLTC YDEAEDRYVGLFYADFFPRASKRNGAWMTTYRDQHVAIVC
UniRef90_G7UUU5 UniRef90_B7JYR7 UniRef90_UPI0003803D0B	LQDADGSLVGQFYLDLYAREGKRGGAWMDDCRNRRQYLVCDVRYFQEAIIAYFYLDPYSRPAKRGGAWMNDCLGRVAYLICVFDRDKKFVSLFYADFHPREGKRAGAWMTSFKPQHISNVC
UniRef90_R5FCC0 UniRef90_R1CA74 UniRef90_S3UMT2	L GE
UniRef90_UPI0004292F7E UniRef90_K1UDN3	Y G D R E G K H L A V L Y A D F F P R P G K R N G A WMT S Y K G Q H L S I V C Y G L T F R P L V A P V Y F D F F P R S G K S S G A W T A F R S Q R Y A I V C
UniRef90_F2IWQ7 UniRef90_UPI0002FE8318 UniRef90_F5SU53	MSDRFYQLFDKNYFDLYARSGKRGGAWMNDCHGRWAYLIC MSDRFYQLFDKNYFDLYARSGKRGGAWMSGFQARY <mark>C</mark> FMVG
UniRef90_W0PB89 UniRef90_UPI0003F7F088 UniRef90_A3JXA5	L F S I D L V P F D Y L Y T D L Y A R K G K Q S G A W V D S E R S R H P V V Y L L F D L V E R L Y G I K Y F D L F A R S G K R G G A W M S G F Q S R Y T Y M V G A F A C S E R L F G L T F E P Y F A R G S K R S G A W C S A F R A Q R K F P D C
UniRef90_F3ZR93 UniRef90_G8PKQ6 UniRef90_A3VZR1	YGOTFNKLTNIFYVDYYPRAGKSGGAWMSTYRDQKPTADT VFDKNGDHLGIFIGDYFARASKRSGAWMSAFRSQQPIIVN AFGCANRLFGLEFGDYFARGSKRSGAWCSAMRGQGPVVIN
UniRef90_B1M441 UniRef90_W7YBP0	L S D V P R Y H P D V R V W R Y F A R A S K R S G A W M S A F R S Q E P I I V N
UniRef90_M1D0I5 UniRef90_H5XCP8 UniRef90_I5AVI3	LFNLVKMLFDINYFDPYSRPSKRGGAWMDEVVSRSPVAHM YHPDVRVFLGLFLGDYYARDSKRGGAWMNSYRDRKPVVVN LGSTFTYMRRNNLVDFREDSKKAEQGFTLPSYYGDAYIEN
UniRef90_B0JT09 UniRef90_L8N0K6 UniRef90_C4I3H6	L G S T F T Y M R R N N L V D F R E D S K K A E Q G F T [P S Y Y G D A Y I F N D V R Y F Q I N D E K G Y L D A Y S R P A K R G G A W M D V C I G R V A Y L I C S V R F F E I Q N E S H E A I A Y F Y L D K R G G A W M N D C I G R V A Y L I C L F D I R I R A D E H L Y L D L Y A R D G K R E G A W A A S G R S R V A Y L M C V F Q L A G R L F D V Q Y V D Y H P R K G K R A G A W M T S Y Y R P H L S V V C
UniRef90_K1MWG3 UniRef90_R5B7J1 UniRef90_UPI0003B6A6B6	YYDII HDEAI ASFYTDWYPRDTKRGGAWMNAFII TGGPLM <mark>C</mark> G
UniRef90_G9ZJK7 UniRef90_K9Z844 UniRef90_M0S0T7	H K D V L A Y M R A Q F Y L D P Y A R A K K R G G A W M D G A V S R V A Y L V C
UniRef90_T4J5P4 UniRef90_UPI0004228B24	LKESFDYMKKYDLYDYSSGKNKSPGGYTTYIKYKAPFLFN
UniRef90_V4UJC4 UniRef90_C7M5B6 UniRef90_R5E5T2	LFNLAKTLFAYFYFDPYSRPSKKGGAWMNGTTSRLPVAHM MFAVAHKLYGLHYTDFFPRTGKRNGAWMTSYKEQHISIVC FRDFIELCRQGHWLETHNYSAGSGGAWCVEPYDKAVAIYV
UniRef90_Q28TY3 UniRef90_R5AFP8 UniRef90_H2BYW3	VEALDYLLRNELYTATUSDKKMETSFTTYFESQSPFLFM VFEVANKLYELNYADFHPRPGKRDGAWMTVYRPQYIRNDK
UniRef90_Q89ZV9 UniRef90_UPI00037BD3CC UniRef90_R5K5Q2	VFDKDGKFLSVLIYTDFHPRPGKRAGAWMTSYKEQHISVVM AFDTATRLFGVTFVDYFARSSKRSGAWMSEYRGQEPVIVN YGDAYGSQLGIFYVDYFPRAGKSGGAWMSNYREQRPLVCN
UniRef90_V5V3Y0 UniRef90_K9RFI3	L F G L V K R L F A H F Y L D P Y S R P G K R G G A WMD D C L G R V A Y L I C N V R Y F Q I A D E T G Y L D P Y S R P A K R G G A WMD T C L N R H A Y L I C
UniRef90_U6REG7 UniRef90_V4QHI5	VFDEDGSFLAVLYTDFHPRAGKRSGAWMTSYKEQHISVTM YGFGFRPVLGVHYLDPYARKGKRSGAWMNAYRSQSPLVSN

	410 420 430 440
UniRef90_I8T9M1	N F R P T H D E V V T L F H E F G H G L H L L T Q V D E A S V A G G V E W D A
UniRef90_Q11M43 UniRef90_UPI000255ADC8	N F A K P P D D A R T L F H E F G H A L H G L L S D V T P S L A G T S V A R D F N F T P T F N E V T T L F H E F G H G L H G M L A D T T Y P S L S T S V Y W D F
UniRef90_G4BBZ6	N F N F T H D E V T T L F H E F G H G L H H M L T K I D V A D V A G G V P W D A
UniRef90_Q21WC1 UniRef90_UPI000470AB6C	N F A E T H D D V T T L F H E F G H G L H H L L S Q V N E R D V S S G V E W D A N F N G P H D E V T T L F H E F G H G L H H M L T Q I E Y G A V S G G V P W D A
UniRef90_C5BJR0	N F N P P H N E IV IT T T F H E F G H G II IH H MIL IT Q IV ID IV IA A IV IA G G IV IA W D A
UniRef90_UPI000467CD13	N F T P P H D E V T T L F H E F G H G L H H M L T E M S H F D V S G G V P W D A
UniRef90_A0A011PBG3 UniRef90_A9ISZ8	N F T F T H D D V T T L F H E T G H G L H H L L T R V D E [G V A G G V E W D A N F A R P H D D V] T L F H E T G H A L H A L L S E V D E P A A S A F V E W D A
UniRef90_UPI0003034E11	N F T F S H S D V T T L F H E M G H G L H Q L L T R I G E L G V A G G V E W D A
UniRef90_R7BW55 UniRef90_UPI000468582A	N F A E P H D D V Q T L F H E F G H G L H H M L S R V E T A G L S G G V E W D A V C N F S Y D D A R T L F H E F G H A L H Q M L S N T Y E S V S G T S V A R D F
UniRef90_U0EWC6	
UniRef90_S7VS90 UniRef90_A9NBE5	N F T K P F N E V T T L F H E F G H A L H G M L A N T Y P S I S G T S V Y W D F N L N P P H D D V V T L F H E F G H A L Q H M L T K I D Y A E I S G G V P W D A
UniRef90_D6V3H6	N F S R S P D D A R T L F H E F G H A L H G M L S N V T Y P S L S T S V F T D F
UniRef90_M6W185 UniRef90_D5BM72	N F P V K H G D V V T F F H E M G H A L H H L C T K L E E P P V G G G V E W D A N F T K P F N E V T T L F H E F G H A L H G M L A N T V Y P S L S G N V Y W D F
UniRef90_W0DEZ1	NSTETHDEVILLEHEEGHGUHHMULTRVDHPELGGGVEWDA
UniRef90_A0A031HMI1 UniRef90_W4HHQ7	N F A P S H R D V L T L L H E T G H C L H H L F T R V D R P S I A T G F E W D A N F A K P Y D D A R T L F H E F G H A L H H M L S D E F G S I S G T S V A R D F
UniRef90_C5T2A2	N F A E T H D D V T L F H E F G H G L H H M L T Q V N E R D V S S G V E W D A
UniRef90_X5D9L3 UniRef90_B7RGY3	NFTRPFSEVETFMHEFGHALHGMLAKSTYSSLSTNVYRDF VCNFSYDDARTLFHEFGHALHQMLSDTYESVSGTSVARDF
UniRef90_UPI00042533FF	N F T K P F N F V K T I F H F F G H A I H G I A N G T Y G S I S T N V Y W D F
UniRef90_UPI000361B5D2 UniRef90_H8XSD9	CLNFSFDDARTLFHEFGHGLHGMLSDTYPMISGTNVARDF NFTPPFNEVTTLFHEFGHALHGMLANTTYPSLSTSVFWDF
UniRef90_G2PRW7	N F T K P F N E V T T L F H E F G H A L H G M L A N T T Y P S L S T S V Y W D F
UniRef90_M7ZTY0 UniRef90_S7WZE1	T F R E V E T V F H E F G H A L Q H M L T R Q D E A F V T S G I E W D A N F T K P F N E V T T L F H E F G H A L H G M L A Q G T Y G S L S T N V Y W D F
UniRef90_UPI000479235B	N F A R P H D DIV I ITIL IF H E A G H A IL IH A IL L IS E IV ID E P A A F A S IV IE W D A
UniRef90_K9YKL1 UniRef90_V0LKV3	NQSPPVDEVETLFHEFGHGLQHMLTKI DYLGASGNVEWDA NFNFTHDEVITLFHEFGHGLHHMLTRI ETAGVSSGVPWDA
UniRef90_Q2JQH0	ERPEGPRVWLDLEELQGTIQPSWEIRVHTAFLQQMLLDYL
UniRef90_R5QTM5 UniRef90_J3CU08	NEAETHODIVITTILIEHEEGHGILIHHMILITOIVINERDIVISSGIVEWDA
UniRef90_A4EQK7	VCNFSWDDARTIJFHFFGHAIJHQMIJSNTYFSIJSGTSVARDF
UniRef90_UPI00037E31F4 UniRef90_Q0FQ83	N F A K P Y D D A R T IL IF H E F G H A IL IH Q II L IS D D F G S IV IS G T S IV IA R D F
UniRef90_F9Z918	
UniRef90_F7ZAX4 UniRef90_S9QRN7	N F A K P P D D A R T IL IF H E F G H A IL IH QII L IS DIVIT G S IV IS G T S IV IA R D F
UniRef90_S0DDZ2	N F S F I H D E V I I L F H E F G H G I H H M L I S V D E L A V S G G V E W D A
UniRef90_K2BAW4 UniRef90_UPI00047E1AAC	N F T <u>K P Y D E V R T F F H E M G H A L H G L L S R <mark>C</mark> T Y <u>R S L G T N V Y W D F</u></u>
UniRef90_G7UUU5	N F T L T H D E V I T L F H E M G H G L H A L L T A V G E L S V S G G V E W D A
UniRef90_B7JYR7 UniRef90_UPI0003803D0B	N F T R T F N E V T T L F H E F G H A L H G I L A D S Y P S L S G T S V Y W D F
UniRef90_R5FCC0 UniRef90_R1CA74	NRNHTFTDYQSLTHEFGHFSSYYY NSVPELFQGYSVDV NGSMTFDEVTTLFHETGHGLQHMLTKVAHAPALSGVEWDA
UniRef90_S3UMT2	N F P P K H S DIV VIT F F H F M G H A II IH H II I <mark>C.</mark> A K II IF F P P IV IS G G IV IF W D A
UniRef90_UPI0004292F7E UniRef90_K1UDN3	NFTKPFNEVITIL FHEFGHAL HGLL LARTYESLISGTSVY WDF
UniRef90_F2IWQ7	IVIM N E T E D D A S T II IE H E E C H A II IH C II I I S D T V D IV I IS C T S IV IA P D E
UniRef90_UPI0002FE8318 UniRef90 F5SU53	NOSPPVDEVETLEHEEGHGLOHMLTTVDYVGASGNVEWDANETPPHDEVLTLEHEEGHGLHHLLTEVSISDVAGGVEWDANCNFTPDHDEVLTLEHEEGHGLHHLLTQVTVGDVAGGVEWDANFTPTHDEVLTLEHEEGHGLHHLLTQVTVGDVAGGVEWDANFTPTHDEVLTLEHEEGHGLHHLLTQVTVGDVAGGVEWDA
UniRef90_W0PB89	
UniRef90_UPI0003F7F088 UniRef90_A3JXA5	NCNFTHDDVITLFHESGHALHALLSKVDEPAAFASVEWDA NFTPTHDEVLTLFHEFGHGLHHLLTQVTVGDVAGGVEWDA NFSKSYDDARTLFHEFGHALHQMLSDTYEMVSGTSVARDF
UniRef90_F3ZR93	PSLLTLD EVT TLFHELGHGLHGLLTKCNYGISGTSVARDF
UniRef90_G8PKQ6 UniRef90_A3VZR1	VMNFTFDDARTLFHEFGHGLHGLMSNTHPLVSGTSVARDF VCNFSYDDARTLFHEFGHALHQMLSDNYESIJSGTSVARDF
UniRef90_B1M441	NFTPTHDEVLTLFHEFGHGLHHLLTQVTVGDVAGGVEWDANFSKSYDDARTLFHEFGHALHQMLSDTYEMVSGTSVARDFPSLLTLDEVTTLFHELGHGLHGLLTKCNYGISGTSVARDFVMNFTFDDARTLFHEFGHGLHGLMSNTHPLVSGTSVARDFVCNFSYDDARTLFHEFGHALHQMLSDNYESISGTSVARDFVCNFSYDDARTLFHEFGHALHQMLSDNYESISGTSVARDFVMNFFFDDARTLFHEFGHALHGLLSDVTYPLLSGTVSRDF
UniRef90_W7YBP0 UniRef90_M1D0I5	VMNFTFDDARTLFHEFGHGLHGLMSNTHPLVSGTSVARDFVCNFSYDDARTLFHEFGHALHQMLSDNYESISGTSVARDFVMNFSFDDARTLFHEFGHALHGLLSDVTYPLLSGTVSRDFVCNFTFDEVTTLFHEFGHALHGLLSKCHYYSLSTSVPRDFVCNQMFREVETVFHEFGHALHGLLSKCHYYSLSTSVPRDFVCNQMFREVETVFHEFGHALHGLLSKCHYYSLSTSVPRDFVCNQMFREVETVFHEFGHALHGLLSDRYPTLAGTSVPRDF
UniRef90_H5XCP8	VCNFTFDEVITLEHEFGHAL HGLLSKCHYYSLSTSVPRDFVCNQMFREVETVFHEFGHAL HGLLSDRYPTLAGTSVPRDFNLNITFDEVVTAFHEFGHALLHELLSDRYPTLAGTSVPRDFSPEGGYRDWQVLIHEFGHFNAAFH DDTPQLFSSMNMDVNQTPPVDDVTTLFHEFGHGLQHMLTTVDYSGAAGNVEWDANQSPPVDDVETLFHEFGHGLQHMLTTVDYAGASGNVEWDANACFAFDQVVTLFHEMGHCLHHMLTKVDYAGASGNVEWDANACFAFDQVVTLFHEMGHCLHHMLTKVDYAGASGIEWDANFSKPFQEVTTLFHEFGHALHGLLADQYPNLSGTSVKWDFVTNFTHDELTTLLHEFGHSLHGILAEGRYSSLGGTNVSRDF
UniRef90_I5AVI3 UniRef90_B0JT09	NQTPPVDEVTTLFHEFGHGLQHMLTTVDYSGAAGNVEWDA
UniRef90_L8N0K6	NQSPPVDDVETLFHEFGHGLQHMLTKVDYAGASGNVEWDA
UniRef90_C4I3H6 UniRef90_K1MWG3	N Q S P P V D D V E T L F H E F G H G L Q H M L T K V D Y A G A S G N V E W D A N A C F A F D Q V V T L F H E M G H C L H H M L T G V A E S A I S G G I E W D A N F S K P F Q E V T T L F H E F G H A L H G L L A D Q Y P N L S G T S V K W D F V T N F T H D E L T T L L H E F G H S L H G I L A E G R Y S S L G T N V S R D F N M T P P V R E V E T V F H E F G H G L H H M L T D V D I Y S I S G G V E W D A N Q T P P V D D V E T L F H E F G H G L Q H M L T V I D Y P G A A G N V E W D A V C N M T F R E V E T V F H E F G H A L Q H M L T K Q D E G L V A G G I E W D A T W D N S F L G V T S F A H E F G H A L Q H M L T K Q D E S I V A G G I E W D A V C N M T F R E V E T V F H E F G H A L Q H M L T K Q D E S I V A G G I E W D A
UniRef90_R5B7J1 UniRef90_UPI0003B6A6B6	VIT N F T H D E L T T L L H E F G H S L H G L L A E G R Y S S L G T N V S R D F
UniRef90_G9ZJK7	N F T P P V G D V T T L F H E F G H G L H H M L T D V D L Y S L S G G V E W D A
UniRef90_K9Z844 UniRef90_M0S0T7	NQTPPVDDVETLFHEFGHGLQHMLTVIDYPGAAGNVEWDA
UniRef90_T4J5P4	TWD NSFLIGVT SFAHEF GHFYNYYNSLINLNNKIQ PSIIDV
UniRef90_UPI0004228B24 UniRef90_V4UJC4	V M N F S F D D A R T IL IF H E F G H A IL IH G L M S D S Y R T II A G T N V A L D F
UniRef90_C7M5B6	NFTRPFNELLTTLIFHEFGHALLHGMLSKVITYPSILSTNVARDF
UniRef90_R5E5T2 UniRef90_Q28TY3	
UniRef90_R5AFP8	VCNFSYDDARTLEHEEGHALHQMLSDVTYSISGTSVARDE QWTDDESSASTLIHELGH FANYEQNPSAGWNASD SLDI NFRPHFNEVTTLEHEEGHALHGMLADTTYPSLSTSVYWDF NFTKPFNEVETELHEEGHSLHGMEANSYQSLSGTNVYWDF
UniRef90_H2BYW3 UniRef90_Q89ZV9	NFRPHFNEIVITTILIFHEFGHAILIHGMILIADTTYPSILISTSIVYWDF
UniRef90_UPI00037BD3CC	NF T K P F N E V E T F L H E F G H S L H G M F A N S Y Q S L S G T N V Y W D F V M N F S Y D D A R T L F H E F G H G L H G L L T K N Y L G V S G T N V V R D F V A S F T L D E V E T L F H E F G H G L H H M L T R V D E A G A A G N V E W D A N Q T P P V D D V E T L F H E F G H G L Q H M L T K I N Y P S A A G N V E W D A N F S K P F S E V N T F L H E F G H A L H G I F A N S T Y A T L S T S V Y W D F N S N F L W D D A S T L F H E F G H A L H G I S S N T Y Q T L S G T S V A R D Y
UniRef90_R5K5Q2 UniRef90_V5V3Y0	VIASFTILDEVETILIFHEFGHALLHGLLTKNYLGVSGTNVVRDF
UniRef90_K9RFI3	NQTPPVDDVETLFHEFGHGLQHMLTKLNYPSAAGNVEWDA
UniRef90_U6REG7	NFSKPFSEVNTFLHEFGHALHGIFANSTYATLSTSVYWDF
UniRef90_V4QHI5	N S N F L W D D A S I L F H E F G H A I H G L S S N I Y Q I L S G I S V A R D Y

	450 400 470 400
UniRef90 I8T9M1	450 460 470 480 V E L PSQFMENWCFDEFARHYQTGEP LPTA LLDK L KSSRVF
UniRef90_Q11M43	
UniRef90_UPI000255ADC8	VELPSQVLENWCYEALELFAHHYETGELIPMELVQKIKDS VELPSQFMENWCWEEEALQFISKEKLTQLLKAKNFQAAMF
UniRef90_G4BBZ6 UniRef90_Q21WC1	VELPSQFMENWCWEEEALQFISKEKLTQLIKAKNFQAAMF VELPSQFMENFCWEWDVLHVDTGAPLPRALFDKMLAAKNF
UniRef90_UPI000470AB6C	VELPSQFLENW <mark>C</mark> WPYF SAH YESGEPLPENLLDSMLAARNF
UniRef90_C5BJR0	VELPSQFMENFCWERELLAFLSGHHETNMLAAKNYQAAMF
UniRef90_UPI000467CD13	
UniRef90_A0A011PBG3 UniRef90_A9ISZ8	I ELPSQFMENFCWEWTVAHVDSGQPLPRALLYDKLVAARNF
UniRef90_UPI0003034E11	VELPSQFMENYCWEWSVLHVDTGEPLPRALFDKMLAARNFIELPSQFMENFCWEWTVAHVDSGQPLPRALYDKLVAARNFVELPSQFMENFCWEWMTAHVATGEPLPRALFDRMLAARNFVEMPSQFMENWAWQYDVAKAETGEPLPKALFDKMLAAKNFVELPSQLYEHWLDVPEVLHAKTGEAMPREMLDKVLGAATF
UniRef90_R7BW55	VEMPSQFMENWAWQYDVAKAETGEPLPKALFDKMLAAKNF
UniRef90_UPI000468582A UniRef90_U0EWC6	
UniRef90_S7VS90	VELPS QVLENWCYEALELFATHYETGEVIPMELVEKIKAA
UniRef90_A9NBE5	
UniRef90_D6V3H6 UniRef90_M6W185	VELPSQLYEHWQEQPQVKFARHYQTNEPLPEELLKRFLAA VEFPSQFLENFATEAGVLKIFGKHHKVKLKETKNFLSAMG
UniRef90_D5BM72	VELPSOVLENWCYEALOLFAKHYKTDEALPMELVEKIIKSS
UniRef90_W0DEZ1	V E L PSQFMENW <mark>C</mark> WEA L D L FARHHEIG <u>K</u> AMPQD L FERM V GI
UniRef90_A0A031HMI1 UniRef90_W4HHQ7	VELPSQIMEDFAWDREVLTGMSGHHDLFDGMERARGFQMF VELPSQLFEHWLDEPEVLFATHVETGEPMPQDMLDRMKGA
UniRef90_C5T2A2	VELPSOFMENE <mark>C</mark> WEWDVI <mark>H</mark> VDTGAPLPRALEDK <u>ML</u> AGKNE
UniRef90_X5D9L3	VELPSQIMENWFLDRFAKHYETGEPLPAELVQKIVDSQNY VELPSQLYEHWLEVPEVLHAKTGAAMPKEMLDKVLGAANF
UniRef90_B7RGY3 UniRef90_UPI00042533FF	VELPSOVMENWAYEKEDLEARHYETGELLPAELLOKIKDS
UniRef90_UPI000361B5D2	
UniRef90_H8XSD9	VELPSQVMENWCYEALEREA HYETGEVIPQDLVNKIKESANF
UniRef90_G2PRW7 UniRef90_M7ZTY0	VELPSQVMENWCYEALELFAHHYETGELIPMELVEKIKES VELPSQFMENWCYHKNTKHYETGEPLPEEIYAKLVAAKNF
UniRef90_S7WZE1	VELPSQIFENWCYEAEDLFAKHYETGEPIPPSYI ENIKAA
UniRef90_UPI000479235B	VELPS QVMENWCYEPFAKHYETGEVIPQDLVNKIKESANF VELPS QVMENWCYEALELFAHHYETGELIPMELVEKIKES VELPS QFMENWCYHKNTKHYETGEPLPEELYAKLVAAKNF VELPS QFMENWCYEAEDLFAKHYETGEPLPPS YIENIKAA I ELPS QFMENFCWEWPVAHVEHGEPLPRALFDKLLAARNF VELPS QFMENWCLEKMAKHYETGETLPTHYYEKLVASKNY VELPS QFMENWCWEPEALAFISGHYLDKMLAAKNY QAALF
UniRef90_K9YKL1 UniRef90_V0LKV3	VELPSQFMENWCLEKMAKHYETGETLPTHYYEKLVASKNY VELPSQFMENWCWEPEALAFIISGHYLDKMLAAKNYQAALF
UniRef90_Q2JQH0	LEGARGT LRDRGS GPEALRS GS LT LAQAL LIHHLEAQLQA
UniRef90_R5QTM5	LEGARGTURDRGSGPEALRSGSUTUAQAULITHUEAQUQA AEIHSQAFELLMFEYYDEIYGSDAKUMEIK VINDMUNS VELPSQFMENFCWEWDVLKHMTAHPUPRAUFDKMUAAKNF
UniRef90_J3CU08 UniRef90_A4EQK7	IVIEILIPS (JILIY E H WILIEIVIPEIVILIH A E LIDEA MPED MILIKKIVILIGA A N E
UniRef90_UPI00037E31F4	IVIEILIPS QIVLIEN WCYEAILISILIFATHYQTNEILI ITMEILVIEKII IKSS
UniRef90_Q0FQ83	VELPSQLYEHWLEVPRVLHAETGAPMPKALLDKVLAAATF
UniRef90_F9Z918 UniRef90_F7ZAX4	VELPSQVMENWAGDPEVHHWQTGEPMPQELIDKIQNSSHF VELPSQLYEHWLDVPEVLHAETGAPLPPDMLQKVLDASTF
UniRef90_S9QRN7	VELPSOLTEHWLTERHARHAATGAPMPEDLRERLLAARTH
UniRef90_S0DDZ2	VELPSQFMENFCWEWDVLTSMTSHPLPRELYDKMVAAKNF VEFPSQLMENFCWEKASLHFQTGELLPDALYQKMKSAKNF
UniRef90_K2BAW4 UniRef90_UPI00047E1AAC	VELPSQFMENFCWEWDVLTSMTSHPLPRELYDKMVAAKNFVEFPSQLMENFCWEKASLHFQTGELLPDALYQKMKSAKNFVELPSQLFENWVQDLFARHYRTGEPMPAELVQKIRDSARF
UniRef90_G7UUU5	IVIEILIPS OF MENER WWINDER HIVIOLGEPILIPRAILIED RMILIA A RHE
UniRef90_B7JYR7	
UniRef90_UPI0003803D0B UniRef90_R5FCC0	CEVOSOGUEMI VNOYAGDMEGEGAFAFE FIVID
UniRef90_R1CA74	
UniRef90_S3UMT2	VEFPSQFLENFAYEPEVLSFFAKHHKPASLSEKLKGTKNF VELPSQIFENW <mark>C</mark> YDLFARHYQTGEKIPADLIQKIKDAANF
UniRef90_UPI0004292F7E UniRef90_K1UDN3	VELPSQI MENWATEPEVHYAINYTTGEVIPERLIKRIRSG
UniRef90_F2IWQ7	VELPSOLYEHWISOPAVREAVHYRTGEPMPKALLDKII AA
UniRef90_UPI0002FE8318 UniRef90_F5SU53	VELPSQFMENWCYDRMAKHYETGEVLPEHYYQKLRAARNYVELPSQFLENWAWNSISAHVDSGEPLPKSQLEALLAAKNFIELPSQFMENFVWEWPVVHWESGRQMDRDLFDRLLSARNFVELPSQFMENWAWDAISSHVETGEPLPKDKLAALLAAKNF
UniRef90_W0PB89	I ELPSQFMENFVWEWPVVHWESGRQMDRDLFDRLLSARNF
UniRef90_UPI0003F7F088	I E L P S Q F M E N F W W E W P V V H W E S G R Q M D R D L F D R L L S A R N F V E L P S Q F M E N W A W D A L S S H V E T G E P L P K D K L A A L L A A K N F
UniRef90_A3JXA5 UniRef90_F3ZR93	VELPSQLYEHWLEVPEVLHAETGEPMPKELLHKVLTAATY VELPSQINEHWAMEPEVKHYQTGEVISDELIEKIQ KQA
UniRef90_G8PKQ6	VELPSQINEHWAMEPEVKHYQTGEVISDELIEKIQ KQA VELPSQLFEHWLAQPELKFARHYQTGEVIPEELLERLLAA VELPSQLYEHWVLERYATHVETGEALPRELLDKLLKAANF
UniRef90_A3VZR1	VELPSQLYEHWVLERYATHVETGEAIPRELLDKLIKAANF VELPSQLYEHWLEQPEVLRAHARHHREPMPDALLRKLLAA
UniRef90_B1M441 UniRef90_W7YBP0	VELPSQLYEHWLEQPEVLRAHARHREPMPDALLRKLLAA VELPSQVMEHWAAQPELKHYQTGEVISDELJAKIQ KSA
UniRef90_M1D0I5	VELPS QFMENWCY HRDTKHHET GETLPEDLYKKL LAAKTF
UniRef90_H5XCP8 UniRef90_I5AVI3	
UniRef90_B0JT09	A E Q S Q G E A
UniRef90_L8N0K6	VELPSQFMENWCYDRMAKHYETGETLPESYFQKLIDSKNY
UniRef90_C4I3H6 UniRef90_K1MWG3	I E F P S Q F M E H F C W D P E V A H V D T G E P L P D A M F E R M L A A R H F V E L P S Q F L E N Y C Y E P F A K H Y Q T G E V L S D E K I E K L S L S K N F
UniRef90_R5B7J1	VELPSQIMENWAFDTFARHYETAETLPDSLVRKIVAAKNY
UniRef90_UPI0003B6A6B6	VELPSQUMENWAFDTFARHYETAETLPDSLVRKII VAAKNY VELPSQUMENWYTEREALHYETGEKLPQDLYERLYRAANM
UniRef90_G9ZJK7 UniRef90_K9Z844	VEQPSQFMENYCYDREALAGMTRHPLPDGLYNKLTAAKNF VELPSQFMENWCLEKMAKHYETGELLPSHYYDKLVASKNY
UniRef90_M0S0T7	VELPSQFMENWCLEKMAKHYETGELLPSHYYDKLVASKNY VELPSQFMENWCYHRNTKHYETGEPLPEEVYQRLVAAKTF
UniRef90_T4J5P4	VELPSQFMENWCYHRNTKHYETGEPLPEEVYQRLVAAKTF CEVHSTSLELLFYKYFDDFF GKQSEALKKEHLSLVLNT
UniRef90_UPI0004228B24 UniRef90_V4UJC4	VEFPSQLYEHWLERPELHALHYRTGEPMPEALLQRVLAA VELPSQFMENW <mark>C</mark> YHYQTGESLPED <u>VYLKLLA</u> AR <u>T</u> FRAG <u>S</u> F
UniRef90_C7M5B6	VELPSQFMENW <mark>C</mark> YHYQTGESLPEDVYLKLLAARTFRAGSF VELPSQLMEN <u>WC</u> YEE <u>ETLH</u> YQTGEPLPIEWVQKIKE <u>A</u> SVF
UniRef90_R5E5T2	YELIGRLFEELFLRRLVQGASSPQEKAAVLWHGLRRVMIN VELPSQLYEHWLEVPEVLHVETGEPMPKALLERLLAAQTY AEIDSQGLEMLMTAYYEELFGDAAT AVRSSRLADGLYS
UniRef90_Q28TY3 UniRef90_R5AFP8	VELPSQLYEHWLEVPEVLHVETGEPMPKALLERLLAAQTY AEIDSQGLEMLMTAYYEELFGDAAT AVRSSRLADGLYS
UniRef90_H2BYW3	IVIEILIPSQMILIENWCYEQFAKHYESGEII I IPEDILI IEKII IKKAANF
UniRef90_Q89ZV9	VELPSQIMENFALEKEFLFARHYETGEVLPDELIQRLVDA
UniRef90_UPI00037BD3CC	VEFPSQLYEHWFEQTDVLHYKTGEPMPKALLDRLMASRTF VELPSQINEHWATEPEVKHYQTGEVIPDNLIEKI LKQK
UniRef90_R5K5Q2 UniRef90_V5V3Y0	VELPSQINEHWATEPEVKHYQTGEVIPDNLIEKI LKQK VELPSQFMENWCYHRMARHYETGEPLPEHYYEKLVAARTY
UniRef90_K9RFI3	VELPSQFMENWCYHRMARHYETGEPLPEHYYEKLVAARTY VELPSQFMENWCYERMAKHYETGEPLPEHYYQKLVAARNY
UniRef90_U6REG7	VELPS QUMEN FALEKE FLNT FAKHYRE QUPP QLIQKI VD A
UniRef90 V4QHI5	VEFPSQVNERWLSTPEVRFALHYKTGKPMPAELLAKIKKA

UniRef90 I8T9M1	490 510 520 QVR QI E F A L F D L R L H
UniRef90_Q11M43	RNFNAGFATVEFTASALVDMAYHARPDALAFEAEVLEKLA
UniRef90_UPI000255ADC8	A T F Q G M Q T IV IR QIL IS F G IL L ID M A W H G Q D P T H II IT N IV IK S F E S K A F
UniRef90_G4BBZ6 UniRef90_Q21WC1	VLRQLEFALFDFRLH HTFDANKSNQVLDTLHQVK QLRQIEFSLFDMLLHTAHDPALDLMP LLNQVR
UniRef90 UPI000470AB6C	QLRQIEFSLFDMLLHTAHDPALDLMP LLNQVR HVRQIEFSLFDMKIHA DLGIDS <u>A</u> DK <u>IH</u> DALEQIR
UniRef90_C5BJR0	MILIROILIEEAILIEDEKILI <mark>H</mark> MEEGKAGEASIVIOGILI ILIDDILIR
UniRef90_UPI000467CD13	MLRQLEFSLFDFVAHAEYDPNEP KELLQLAQEVR
UniRef90_A0A011PBG3	QLRQIEFSLFDLLLHSDFDPAVGGSVLELLHEVRREVAVE
UniRef90_A9ISZ8 UniRef90_UPI0003034E11	ML R QL E F S L F D F V A H A E Y D P N E P QL R QI E F S L F D L L L H S D F D P A V G G S V L E L L H E V R R E V A V F QV R QI E F A L F D M L L H N R A Q G A S L A D T L A L L Q E V R N E V A V L QV R QL E F A L F D M Q L H S E F D P T Q D S V Q A L L E R V R
UniRef90_R7BW55	CGDGKADFMKVLSDVR DMGFSTVEYVASALVDLAFHEGDPPADVMVKQRELLDGLG
UniRef90_UPI000468582A	DMGFSTVEYVASALVDLAFHEGDPPADVMVKQREILDGLG
UniRef90_U0EWC6 UniRef90_S7VS90	T F H E G M Q T L R Q L S F G L L D M S W H G L D P S N L T N V K S H E V E A F
UniRef90_A9NBE5	H M R Q L E F G L F D M R L H M E F D S T Q K N Q I Q Q I L N E V R
UniRef90_D6V3H6	R K F N Q G F A TIVIE F AIL LIDILIE F H T Q P A S S DIVIH A F E K K EILIE KII IG
UniRef90_M6W185 UniRef90_D5BM72	VRQLEFSLFDILIHEKNHTEEDVHS NFQEGMQTLRQLSFGMLDLSWHAINPSDIDDVKMHENKAF
UniRef90_D3BW72	RHFQSALQQVEFALFDMRLHSDPA PASLDELQQLLDQVR
UniRef90_A0A031HMI1	II L IR QIV IE F GII IF DIL L L I <mark>H</mark> IL IG T M G N D P IV V V V IE
UniRef90_W4HHQ7	ALANQGFETVEYLASALVDHAGPAPADPMDRQAEVLEELG
UniRef90_C5T2A2 UniRef90_X5D9L3	QLRQIEYALFDMLLHTDHDPDQDFMP LLAEVR
UniRef90_B7RGY3	SVRQLSFGYLDMAWHTLEKPFDGDVKDFEENAWKKVQIFP DMGFSTVEYVASALVDLEFHDGGAPVDPMEKQAAVLASLG
UniRef90_UPI00042533FF	SNYMAGYTTIVIRQII IGII IARII IDMGWHTTDPATII ITDIVIGSEEAQIV
UniRef90_UPI000361B5D2 UniRef90_H8XSD9	RIFNQGFATVEFTASALVDLDLHLAAESKDFEAEELARLG TLRQLSFGLLDMEFHSKNQL STFQEGMATVQLSFGLLDMAWHGKDPANLQDVKAYETEAF
UniRef90_G2PRW7	STFQEGMATVQUSFGLLDMAWHGKDPANIQDVKAYETEAF
UniRef90_M7ZTY0	RLRQURFASVDMELHTTYDPSGPVSVYDVD RRVAEKT
UniRef90_S7WZE1 UniRef90_UPI000479235B	NFHQGFQIARQIISILGQILDMAYHIIDPKAIIADIIFEFENEVM
UniRef90_K9YKL1	RERQERFASVOME LHTTYDPSGPVSVYDVD RRVAEKT NFHQGFQTARQESLGQLDMAYHTTDPKALADEFEFENEVM QVRQFEFALFDMLLHDRAQGASTTETLDLLQHVRSEVAVL MLRQLHFSLLDLELHARYTPSDEVSAHDVA RKLAEKT
UniRef90_V0LKV3	II LIKUILIEFGILIFDFKILI <mark>H</mark> A E
UniRef90_Q2JQH0 UniRef90_R5QTM5	VFYQSLIARLELLYRSEISQGDTAPYWVGEEWLKLSQELLQGCIEDEFQRKVFE NPDISLEEMNTLHGQIYQKYQLRQVEFSLEDMLLHTSHKPADDL MGLLNEVR
UniRef90_J3CU08	QLR QVE F SLF D ML L H T S H K P A D DL MGL L N E VR
UniRef90_A4EQK7	DMGEDIVEYVSSAILVIDIEAEHEGAAPEDIVIMAKUNEIVIAGILIG
UniRef90_UPI00037E31F4	S F M E G L Q T M R Q L S F G I L D M A W H T A D P K A I K S V K E F E D K A V D M G F Q T V E Y V A S A L V D L E F H S G T A P G D P M A R Q A E I L R G I G
UniRef90_Q0FQ83 UniRef90_F9Z918	N Q G F IV VIT F F M S A A II I ID M A Y H T II IQ N S D D A F K F F K F IV I ID K II IG
UniRef90_F7ZAX4	DMGFQTVEYVASALVDLAFHEGPAPADPMEKQRAVLDGIGDMGFQTVEYLASAFVDLAFHDGPPPADPMQRQAEVLERLG
UniRef90_S9QRN7	DMGFQTVEYLASAFVDLAFHDGPPPADPMQRQAEVLERLG
UniRef90_S0DDZ2 UniRef90_K2BAW4	QLRQIVFSIFDMRVHTQDPADGNAFTDASGAAAAGAQKTV QIRQLEFAIFDFRLHLEFDPTQSVQVQKKLDDVRKSIAAL MLRQTSFGLLDMAWHD GDPTAIESVPEFERAATARA TVRQLEFALEDMALHTEFDPVQDSVMDLLERV
UniRef90_UPI00047E1AAC	MLRQTSFGLLDMAWHD GDPTALESVPEFERAATARA
UniRef90_G7UUU5	TIVIR QILIE FALLED MAIL HIT E F D PVQ D SVM DIL LERVI
UniRef90_B7JYR7 UniRef90_UPI0003803D0B	A T F Q F G M A T M Q I I S F S F I D M S W H A S D P S GI I S D V K K H F IV N A F
UniRef90_R5FCC0	MLRQLHFSFLDLELHHRYQPNGNETPSQVRDRIAQNTTVM ATFQEGMATMQLSFSFLDMSWHASDPSGLSDVKKHEVNAF MLYVIIMSCMLQEFEEAVYMDPDMSLEDMNRTFKELQDSY
UniRef90_R1CA74	MIRQLMFGALDMRLHHTYDPRGEQTPFELQHE LAERY LAGMGVVRQLEFGIFDIRIHLKKHSETEVQTVLDQVRKE
UniRef90_S3UMT2 UniRef90_UPI0004292F7E	QQGYLTVRQISFGLLDMAYHGQ DPVQLTDLKEFETEIM
UniRef90_K1UDN3	K F N Q G F I V T E L V A A A L T D M G I H A I T E Y E P F D V N E F E A D A V
UniRef90_F2IWQ7	ENFNQGFATVEYAA <mark>C</mark> ALVDLEMHLGLDVSAFERETLERIG
UniRef90_UPI0002FE8318 UniRef90_F5SU53	MIRQVHFSILDIELHHRYQPQGEETPSQVRD RLA QLRQIEFALFDLLIHAASP APDYQGILSTLDKVR MVRQIEFSLFDMLIHTSAE PIKIDAVMQILNQVR QLRQIEFALFDLLIHAQ TPALDYNGLLATLNTVR
UniRef90_W0PB89	MVRQIEFSLFDMLIHTSAE PIKIDAVMQILNQVR QLRQIEFALFDLLIHAQ TPALDYNGLLATLNTVR
UniRef90_UPI0003F7F088	QLLR QILE FAIL F DILL I HA Q T PAIL DYN GILLA TLIN TIVR
UniRef90_A3JXA5 UniRef90_F3ZR93	T F N E G F RVIT EL LIA A A II L D M N L H N L I T VID E N L ID V VIA F E N E A M
UniRef90_G8PKQ6	ANFNOGFATVEYLATAI VDMDELDNLDPAQMEKKI LEGIG
UniRef90_A3VZR1 UniRef90_B1M441	DQGFQIVEYIVASALVDLAFHEGDAPGDLMAKQLEVLDNLG
UniRef90_W7YBP0	K E N Q G F M T T E Y L A A A I L D M D Y H T L T E D P N T F E K E S L D K M N
UniRef90_M1D0I5	RLRQLRFATVDLELHAKYVPGG SESLYCVDQRVSKKT
UniRef90_H5XCP8 UniRef90_I5AVI3	KIYGEGFAIEYLAASLLJULAWHILJUADTTVJDDVAAFQAQA
UniRef90_B0JT09	MLRQLHLSLVDLELHHRYQPNGGETPKQVR ORLA
UniRef90_L8N0K6	MLRQLHFSLVDIELHHRYQTGGGETPLQLRS RLÄEKT
UniRef90_C4I3H6 UniRef90_K1MWG3	NQGILEMAHQI ALISMLDU ALIHSGE SILESVNSMQNTMHELLY
UniRef90_R5B7J1	HVR QLQFGI LDMAWHT LRHGLRDLKT MQDLGTI AFEKEAL
UniRef90_UPI0003B6A6B6	AMRQYSFGTADLSLHVEYDPAGDEDPVVLRDIMRQFNPFP
UniRef90_G9ZJK7	QSAMAMLIRQILIE FAILIF DFRYHSGTVWRDDPLNVHAAVRAAV
UniRef90_K9Z844 UniRef90_M0S0T7	RIL R QI R F S S V DIL EL H T K Y I P N G P F S II F D I D O R V G R M T
UniRef90_T4J5P4	I DACLYDEFQEI IYK NPYMSLNDLNKLFFDLEEEY
UniRef90_UPI0004228B24	RTFNQGFATAEYVASALVDLDGADASDPAAFELAALDRUG
UniRef90_V4UJC4 UniRef90_C7M5B6	SEX QLK FASVDEEL <mark>H</mark> INYVPGGSESVFDVDQ KVSKRI MEGLISVROLNEGELDMAWHTYPH I LERI EDVHTEEDTVT
UniRef90_R5E5T2	LITELPFRFRLAEEVEEARKNGY LSVEYLNKLTRKCWSDC
UniRef90_Q28TY3	DMGFSTVEYVASALVDLDFHDGAAPADPMAAQKATLERLG
UniRef90_R5AFP8 UniRef90_H2BYW3	WILL GUME DE FQUEIVYA NPUMSILIE E MNAIL IYA RILIGSE Y HEGILATIV ROLLSEGMI DMS WHOLD PS NILK DILIK THED A A F
UniRef90_Q89ZV9	S N F N A A Y A CLR QVS F GL LD M A WY T R N T P F E G DVK A Y E Q E A
UniRef90_UPI00037BD3CC	N Q G F A T VE Y V S S A L V D L E F H L L T S T E D A N A F E T K L L G E L G
UniRef90_R5K5Q2	N
UniRef90_V5V3Y0 UniRef90_K9RFI3	MILIR QILIH F SIL LIDIL ELLIH Y R Y R P D G S E T P F DIVIR N R II A
UniRef90 U6REG7	SNENILIA VACILIROLISE GILLIDIMA WYTRKTPED GDWRTYEKEA
UniRef90 V4QHI5	ONINEATA OLINGLOI OLIDMAWIIKAIII DODUKI TEKEA

Jungsego (Jepton) Jungsego (Jep		
Junkelson Olithods Markelson Olithods Markelso	UniRef90_I8T9M1	
JURRESOLUTIONS 03034E11 JEPP A JURRESOLUTIONS 03034E11 JEPP A JURRESOLUTIONS 03034E11 JEPP A JURRESOLUTIONS 03034E11 JURRESOLUTIONS 03034E1	UniRef90_Q11M43	K D A A V D M D L A T D L E L L V E C C E C V C A C V V C V L W C E V L D A D A
JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP10004685A JURRESO LP10004685A JURRESO LP10004685A JURRESO LP10004685A JURRESO LP10004685A JURRESO LP10046A JURRESO LP100046A JURRESO LP1004A JURRESO LP10004A JURRESO LP1004A JURRESO LP1004A JURRESO LP1004A JURRESO LP1004A	UniRef90_UPI000255ADC8	A GT QIL IY P E T P E T C M S T S F S HI I F Q G G Y Y Y S Y K W A E IV L D A D A
JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP1000468582A JURRESO UP100046858A JURRESO UP100046858A JURRESO UP10004685A JURRESO UP1000468A JURRESO UP100046A JURRESO UP10046A		A EIVIAIVII O P P D WS R T A H T E S HII IF A G G Y Y Y S Y K WA EIVI IS A D A
JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP10004685A JURRESO LP10004685A JURRESO LP10004685A JURRESO LP10004685A JURRESO LP10004685A JURRESO LP10046A JURRESO LP100046A JURRESO LP1004A JURRESO LP10004A JURRESO LP1004A JURRESO LP1004A JURRESO LP1004A JURRESO LP1004A	UniRef90_UPI000470AB6C	QEVAVVKPPEFNRFENSFGHI FAGGYYFSYKWAEVLSADA
JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP100046852A JURRESO LP10004685A JURRESO LP10004685A JURRESO LP10004685A JURRESO LP10004685A JURRESO LP10004685A JURRESO LP10046A JURRESO LP100046A JURRESO LP1004A JURRESO LP10004A JURRESO LP1004A JURRESO LP1004A JURRESO LP1004A JURRESO LP1004A	UniRef90_C5BJR0	QQI AVESPPSFNRFQHGFSHI FAGGYYYSYKWAEVLSADA
JURREND JP10003034E11 JERUS JP10003034E11 JERUS JP10003034E11 JERUS JP10003034E11 JERUS JP10003034E11 JERUS JP1000303E12 JERUS JP1000303E12 JERUS JP1000303E12 JERUS JP1000303E12 JERUS JP1000303E12 JERUS JP1000303E12 JERUS JP1000303E12 JERUS JP1000303E12 JERUS JP10003E12	VPP FWHREPNSEAHIEAGGYGWAEVLSSDA	
JURREND JP10003034E11 JERUS JP10003034E11 JERUS JP10003034E11 JERUS JP10003034E11 JERUS JP10003034E11 JERUS JP1000303E12 JERUS JP1000303E12 JERUS JP1000303E12 JERUS JP1000303E12 JERUS JP1000303E12 JERUS JP1000303E12 JERUS JP1000303E12 JERUS JP1000303E12 JERUS JP10003E12 UniRef90_A9ISZ8	FPPA WHRLPHSFSHLFAGGYGWAEVLSADA	
Junkergo Duschweigh Junkergo Duschweigh Junkergo Devishe Junkerg	UniRef90_UPI0003034E11	DEIVIAIVIN R P P A WN R F P N O F S HII IF A G G Y Y Y S Y K W A F IV I IS A D A
Junkergo Duschweigh Junkergo Duschweigh Junkergo Devishe Junkerg		MPAAII TMRHASPHEAHVESGDGYSSGYYSYMWSEVMDADA
Junkergo Dokyshed MP A EL J. MR H R P Q O F G H J F S G D Y X A G Y Y S Y K WA EL J. A D A D T G H J MR H R P Q O F G H J F S G D Y Y S Y K WA EL J. A D A D T G H J MR H R P Q O F G H J F S G D Y Y S Y K WA EL J. A D A D T G H J MR H R P Q G F G H J F S G D Y Y S Y K WA EL J. B A D A D T G H J MR H R P Q G F G H J F S G D G Y Y Y S Y K WA EL J. B A D A D T G H J MR H R P D G F G G F S H J F A G D G Y S G Y Y S Y K WA EL J. B A D A D T G G F G G F G G Y S G G Y Y S Y K WA EL J. B A D A D T G G G Y S G G Y Y S Y K WA EL J. B A D A D T G G G Y S G G Y Y S Y K WA EL J. B A D A D T G G G Y S G G Y Y S Y K WA EL J. B A D A D T G G G Y S G G Y Y S Y K WA EL J. B A D A D T G G G Y S G G Y Y S Y K WA EL J. B A D A D T G G G Y S G G Y Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G Y S Y K WA EL J. B A D A D T G G G Y S G G Y Y S Y K WA EL J. B A D A D T G G G Y S G G Y Y S Y K WA EL J. B A D A D T G G G Y S G G Y Y S Y K WA EL J. B A D A D T G G G Y S G G Y Y S Y K WA EL J. B A D A D A D T G G G Y S G G Y Y S Y K WA EL J. B A D A D A D T G G G Y S G G Y Y S Y K WA EL J. B A D A D A D A D A D A D A D A D A D A	UniRef90_U0EWC6	
Junkergo Devisyles MP A E W M R H R P C Q F G H F S G D Y X A G Y Y S Y M WE EV M D A D A W M REND BOWN SEY MR RED WOMEN SEY		GDTSLYPDVAENCMSTSFSHIFQGGYSSGYYWAEVLDADA
Jinkeligo Mewri85		MPAFILIAMRHRPOOFGHILIFSGDHYAAGYYSYMWSFIVIMDADA
JUNKENSON JANASATTAMA A VIK V V V M M M S T OF G H LL F A H V F S G S H V S V M W S EV L D A D F JUNKENSON JANASAT S G S G V V S M W S EV L D A D F JUNKENSON JANASAT S G G S M S G V S S G V W M S EV L D A D F JUNKENSON JANASAT S G G G M S G S G M S G V S S G V W M S EV L D A D F JUNKENSON JANASAT S G G G M S G G M S G M S G V S G M S	UniRef90_M6W185	K E V A V V I P P E Y N R F Q N G F S H I F S G G Y A A G Y Y S Y K W
JUNKENSON JANASATTAMA A VIK V V V M M M S T OF G H LL F A H V F S G S H V S V M W S EV L D A D F JUNKENSON JANASAT S G S G V V S M W S EV L D A D F JUNKENSON JANASAT S G G S M S G V S S G V W M S EV L D A D F JUNKENSON JANASAT S G G G M S G S G M S G V S S G V W M S EV L D A D F JUNKENSON JANASAT S G G G M S G G M S G M S G V S G M S		EAIKLYPDUPEN <mark>C</mark> MSIAFSHIFQGGYYYSYKWAEVLDADA
JAIRGERGO CST2A2 AIRGERGO CST2A3 AIRGERGO CST2A3 AIRGERGO CST2A3 AIRGERGO LUPIGO04253345 AIRGERGO LUPIGO0425345 AIRGERGO LUPIGO042545 AIRGERGO LUPIGO04455 AIRGERGO LUPIGO04455 AIRGERGO LUPIGO04455 AIRGERGO LUPIGO	UniRef90_A0A031HMI1	AVRDEVAVIRPPRWHRFPHSFSHIFAGGYAAGYYSYLWA
Junkelgo Dysoud2533FF Junkelgo Dysoud2533FF Junkelgo Dysoud2533FF Junkelgo Dysoud2533FF Junkelgo Dysoud2533FF Junkelgo Dysoud2533FF Junkelgo Dysoud2533FF Junkelgo Dysoud2533FF Junkelgo Dysoud2533FF Junkelgo Dysoud2533FF Junkelgo Dysoud2533FF Junkelgo Dysoud2533FF Junkelgo Dysoud2533FF Junkelgo Dysoud253FF Junkelgo Dysoud2533FF Junkelgo Dysoud2533FF Junkelgo Dysoud2523FF Junkelgo Dysoud252FF Junkelgo Dysoud257	UniRef90_W4HHQ7	MPEALVMRHATPHFAHVFAGDGYSSGYYSYMWSEVMDADA
Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Junicagio Junicagio Michia M		ALD GV CMSTOF GHLEA GGYYSYK WAEVLSADA
Junicagio Symizei Junicagio Symiyei Junicagio Sy	UniRef90_B7RGY3	MPSALTMRHATPQFAHVFSGDGYSSGYYSYMWSEVMDADA
Junicagio Symizei Junicagio Symiyei Junicagio Sy	UniRef90_UPI00042533FF	LIQETEIL LIPPIVIPGTTS CSFSHILF QGGYSSGYYWAEVLDADT
Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Symizei Junicagio Junicagio Junicagio Michia M	UniRef90_H8XSD9	KVANLYPDVAENCMSVSFSHIFQGGYSSGYYWAEVLDADA
Junicagio Symizei Junicagio Symiyei Junicagio Sy	UniRef90_G2PRW7	KST DL F P E T P E T C M S T S F A H L F Q G G Y S S G Y Y WA E V L D A D A
JURINGESO LYPICOUATP23585 JURINGESO LYPICOUATP23585 JURINGESO LYPICOUATP23585 JURINGESO LYPICOUATP23585 JURINGESO LA LYPICATION AND A LYPICATI	UniRef90_M7ZTY0	QIV LIA PIL PED RFILI <mark>C</mark> GFSHII FAGGYAAGYYSYKWAEIVI DADA
Jinker90	UniRef90_UPI000479235B	FPP QWHRLPHSFSHLFAGGYGWAEVLISADA
Jurikerson Ozjucho Jurikerson Oz	UniRef90_K9YKL1	MVMSPLPEDRFLCAFGHLFAGGYAAGYYSYKWAEVLSADA
Jurikef90 _ASCUMB JURIkef90 _ASCUMB JURIkef90 _ASCUMB JURIkef90 _ASCUMB JURIkef90 _A		CGDAVELLPEEQERWVGMPEELRPESAPOVSIJASI VIAITA
Jurikeison Ordens Jurikeison O	UniRef90_R5QTM5	MGYPLE
Junikefon CP0033 Junikefon F92918 Junikefon F92918 Junikefon S920RN7 Junikefon S920R	UniRef90_J3CU08	REVIAVIPSPPYSRTAHTFSHLFSGGYYYSYKWAEVLSADA
Jurike90	UniRef90_A4EQK7 UniRef90_UPI00037E31F4	AVITELLY PMITA ESCESTA FSHIFQGGYYYSYKWSEVLIDA DA
Juniker90 SORON7 Juniker90 SORON7 Juniker90 SORON7 Juniker90 SORON7 Juniker90 SORON7 Juniker90 SORON7 Juniker90 SORON7 JUNIKER90 SORON2 JUNIKER90 SORON2 JUNIKER90 SORON2 JUNIKER90 SORON2 JUNIKER90 SORON2 JUNIKER90 SORON2 JUNIKER90 SORON2 JUNIKER90 SORON2 K. P. D. E. A. N. T. S.S. G.F. S. H. J. F. A. G. G.Y. Y. S.Y. K. WA. E.V. L. D. A. D. A. Juniker90 SORON2 K. D. T. W. J. Y. J. W. R. P. P. S. W. R. F. P. H. F. A. G. G.Y. Y. S.Y. K. WA. E.V. L. D. A. D. A. Juniker90 SORON2 JUNIKER90 SORON2 K. D. T. W. J. Y. J. W. R. P. P. S. W. R. F. P. H. F. A. G. G.Y. Y. S.Y. K. WA. E.V. L. D. A. D. A. Juniker90 SORON2 JUNIKER90 SORON2 JUNIKER90 SORON2 JUNIKER90 SORON2 JUNIKER90 SORON2 K. K. T. D. J. L. P. R. T. P. F. T. C. S. F. G. H. J. F. A. G. G.Y. Y. S.Y. K. WA. E.V. L. D. A. D. A. JUNIKER90 SORON2 JUNIKER90 SORON2	UniRef90_Q0FQ83	MPQAII TMRHATPHFAHVFAGDGYSSGYYSYMWSEVMDADA
Jurikef90	UniRef90_F9Z918	ILIPEII TWRYRSPYFGH IIFNGGYSAGYYAYTWAEVLDADA
Juriker90 SDDD22 Juriker90 SDD22 UniRef90_S9QRN7	MPRAII IA MRHATPHFQHIVIFA GDGYAA GYYSYIL IWSEIVIMDA DA	
Junkergo	UniRef90_S0DDZ2	I IFILIA R FILIN F Q Y HIV VIP Q R WP N T F S HILIF A G G Y A A G Y
Junkergo		QV L P P I P E A N T S S G F S HI F G G G Y S A G Y Y S Y K WA E V L S S D A
Jurikerigo (Brijver) Jurikerigo (Brijver) Jurikerigo (Brijver) Jurikerigo (Brijver) K P M P E P E D A F L C S F G H L F A G G Y A A G Y Y S Y K W A E V L D A D A D A Jurikerigo (Brijver) Jurike	UniRef90_G7UUU5	R D FIVIAIVIN R P P S W H R F P H S F S HII IF A G G Y G W A FIV I IS A D A
Jurikef90_R5FCC0 Jurikef90_R1CA74 A V_L P L PDDRFI_CSFGH LFAGGYYYSYKWAEVLLSADA Jurikef90_L1D10004292F7E Jurikef90_L1D10004292F7E Jurikef90_L1D10004292F7E K_KTDL_PRI_PDDRFI_CSFGH LFAGGYYYSYKWAEVLLSADA JURikef90_L1D100042P818 JURikef90_E1WQ7 MPGE LPQLQPYRYPYFLHLFDGGYYYSYKWAEVLLSADA JURikef90_F5SU53 JURikef90_E5SU53 JURikef90_E5SU53 JURikef90_L1D10003F7F088 JURIkef90_E3ZR93 JURIkef90_E3ZR93 JURIkef90_E3ZR93 JURIkef90_E3ZR93 JURIkef90_B3VXGF MPRALIMATPHFAHFFAHFFAHFFAGGYYYSYKWAEVLLSADA JURIkef90_E3ZR93 JURIKEf90_E3ZR93 JURIKEf90_E3ZR9	UniRef90_B7JYR7	KP LIPEDAFLICSFGHILFAGGYAAGYYSYKWAEVLISADA
Jurikef90, S3JUMT2 Jurikef90, S3JUMT2 Jurikef90, S3JUMT2 Jurikef90, S3JUMT2 Jurikef90, S3JUMT2 Jurikef90, S3JUMT2 Jurikef90, S4JUMD3 Jurikef90, S4JUMD3 Jurikef90, S4JUMD3 Jurikef90, S4JUMD3 Jurikef90, S5SU53 D JURIkef90, S5SU53 D JURIkef90, S5SU53 D JURIkef90, S5SU53 D JURIkef90, S5SU53 D JURIkef90, S4JUMD3 Jurikef90, S4JUMD3 SHILL P P R T P P E D S F L C S F G H L F A G G Y Y S Y K WA E L L L A D A D A JURIkef90, WDRB89 JURIkef90, S4JUMD3 J	UniRef90_R5FCC0	H G W Y F DIVID F GIVI <mark>C</mark> Y D WIVIDIVIS H F Y S PIL IY Y M G Y G T S A II IS A II IDII I
Juriker90_F2IWQ7 Juriker90_UP10002FE8318 Juriker90_UP10002FE8318 Juriker90_F5SUS3 Juriker90_F5SUS3 Juriker90_WOPB89 Juriker90_WOPB89 Juriker90_WOPB89 Juriker90_WOPB89 Juriker90_WOPB89 Juriker90_WOPB89 Juriker90_WOPB89 Juriker90_G8PKQ6 MPRAIWRHATPHFAANFSHLFAGGYYAYSYKWAEULSADA Juriker90_G8PKQ6 MPRAIWRHATPHFAHWFSHLFAGGYYAYSYKWAEULSADA Juriker90_WOPB89 LIGLKQIPPRYRTTYFKHLVGGYAAGYYSYKWAEULSADA Juriker90_WOPB89 MPRAIWRHATPHFAHWFSHLFAGGYYAYSYKWAEULSADA JURIker90_WOPB89 LIGLKQIPPRYRTTYFKHLVGGYAAGYYSYKWAEULSADA JURIker90_WOPB89 LIGKLKQIPPRYRTTYFKHLVGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPRLPEDAFLOSSFGHIFAAGGYYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFGHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFGHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFGHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFGHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFGHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFGHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULDADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULDADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULDADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULDADA JURIKER90_U	UniRef90_R1CA74	AVLPPLPDDRFLCSFGHLFAGGYSAGYYSYKWAEVLSADA
Juriker90_F2IWQ7 Juriker90_UP10002FE8318 Juriker90_UP10002FE8318 Juriker90_F5SUS3 Juriker90_F5SUS3 Juriker90_WOPB89 Juriker90_WOPB89 Juriker90_WOPB89 Juriker90_WOPB89 Juriker90_WOPB89 Juriker90_WOPB89 Juriker90_WOPB89 Juriker90_G8PKQ6 MPRAIWRHATPHFAANFSHLFAGGYYAYSYKWAEULSADA Juriker90_G8PKQ6 MPRAIWRHATPHFAHWFSHLFAGGYYAYSYKWAEULSADA Juriker90_WOPB89 LIGLKQIPPRYRTTYFKHLVGGYAAGYYSYKWAEULSADA Juriker90_WOPB89 MPRAIWRHATPHFAHWFSHLFAGGYYAYSYKWAEULSADA JURIker90_WOPB89 LIGLKQIPPRYRTTYFKHLVGGYAAGYYSYKWAEULSADA JURIker90_WOPB89 LIGKLKQIPPRYRTTYFKHLVGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPRLPEDAFLOSSFGHIFAAGGYYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFGHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFGHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFGHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFGHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFGHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFGHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULSADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULDADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULDADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULDADA JURIKER90_UP10003B6ABB6 MVYPPLPEDAFLOSSFSHIFAAGGYAAGYYSYKWAEULDADA JURIKER90_U	UniRef90_UPI0004292F7E	KKTDLLPRTPGTMMSTSFSHI FQGGYSSGYYWAEVLDADA
Juirikef90	UniRef90_K1UDN3	Y G R R GIL I IP QII IQ P Y R Y P Y F IL I <mark>H</mark> II IF D G G Y Y Y F Y II IWA QIV L ID K D A
DIIRE190_GSPNQ6		MPGEILIMRHRIVIPHEAHAFAGEGYSAGYYSYMWSEVIMDADA
DIIRE190_GSPNQ6	UniRef90_F5SU53	D D V A V T P T P D Y N R F A N G F S H I F A G G Y Y Y S Y K WA E L L S A D A
DIIRE190_GSPNQ6	UniRef90_W0PB89	QEIVIAIV I MPPS WNRFAHNFSHIL FAGGYGAGYYWAEIV LISADA
DIIRE190_GSPNQ6	UniRef90_A3JXA5	MPRAIVMRHATPHFAHVFAGDGYSSGYYSYMWSEVMDADA
DIIRE190_GSPNQ6	UniRef90_F3ZR93	LGL L K QI P P R Y R T T Y F K H I V G G Y A A G Y Y S Y L W A N V L D A D A
JniRef90 W7YBP0		MPREI I IMRURIE I PULLU AFAGDGYSAGYYSYMWEIVIMDADA
JniRef90 W7YBP0	UniRef90_B1M441	ALRRISMPAEIS MRHRTPHFAHIFSGDGYAAGYYSYLWS
Juire Juir	UniRef90_W7YBP0	LIPELVSRYRSTYFNHVFSGGYSA GYYAYLWSAI LDSDA
Juire Juir	UniRef90_H5XCP8	LEKA GVAVPEVPYASTYFAHIFCNGYYYSYIWSEVLDADT
UniRef90_C7M5B6 KETQLYPTMEAMCISPAFSHIFSGGYYYSYKWSEVLDADA UniRef90_R5E5T2 YGDTVEGVD QYMWARKPHFYNPHHDFQYTVGFLSANMM UniRef90_Q28TY3 MPHALEMRHRTPQFAHVFAGDGYSSGYYSYMWSEVMDADA UniRef90_R5AFP8 KIGDLYGYTGREWVAIPHTFQPLYYISYAVSMLPALEL UniRef90_Q28TY3 EPTKLYPNVPERCONSTOR		GL VD E DWVD E G D N F WT QL P HI F Q P F Y Y L S Y A T S V I P S L D L
UniRef90_C7M5B6 KETQLYPTMEAMCISPAFSHIFSGGYYYSYKWSEVLDADA UniRef90_R5E5T2 YGDTVEGVD QYMWARKPHFYNPHHDFQYTVGFLSANMM UniRef90_Q28TY3 MPHALEMRHRTPQFAHVFAGDGYSSGYYSYMWSEVMDADA UniRef90_R5AFP8 KIGDLYGYTGREWVAIPHTFQPLYYISYAVSMLPALEL UniRef90_Q28TY3 EPTKLYPNVPERCONSTOR	UniRef90_B0J109 UniRef90_I 8N0K6	MVIPPLPEDNEL <mark>C</mark> SEGHIFAGGYYYYYXWAEVLSADA
UniRef90_C7M5B6 KETQLYPTMEAMCISPAFSHIFSGGYYYSYKWSEVLDADA UniRef90_R5E5T2 YGDTVEGVD QYMWARKPHFYNPHHDFQYTVGFLSANMM UniRef90_Q28TY3 MPHALEMRHRTPQFAHVFAGDGYSSGYYSYMWSEVMDADA UniRef90_R5AFP8 KIGDLYGYTGREWVAIPHTFQPLYYISYAVSMLPALEL UniRef90_Q28TY3 EPTKLYPNVPERCONSTOR	UniRef90_C4I3H6	QKYEFTPLDRRARSANTESHLFSGGYYYSYQWAQVLAADA
UniRef90_C7M5B6 KETQLYPTMEAMCISPAFSHIFSGGYYYSYKWSEVLDADA UniRef90_R5E5T2 YGDTVEGVD QYMWARKPHFYNPHHDFQYTVGFLSANMM UniRef90_Q28TY3 MPHALEMRHRTPQFAHVFAGDGYSSGYYSYMWSEVMDADA UniRef90_R5AFP8 KIGDLYGYTGREWVAIPHTFQPLYYISYAVSMLPALEL UniRef90_Q28TY3 EPTKLYPNVPERCONSTOR	UniRef90_K1MWG3	NILIY PKNPETAILISTS FSHILIFQGGY SAGYYSYK WAEVL DADA
UniRef90_C7M5B6 KETQLYPTMEAMCISPAFSHIFSGGYYYSYKWSEVLDADA UniRef90_R5E5T2 YGDTVEGVD QYMWARKPHFYNPHHDFQYTVGFLSANMM UniRef90_Q28TY3 MPHALEMRHRTPQFAHVFAGDGYSSGYYSYMWSEVMDADA UniRef90_R5AFP8 KIGDLYGYTGREWVAIPHTFQPLYYISYAVSMLPALEL UniRef90_Q28TY3 EPTKLYPNVPERCONSTOR	UniRef90_UPI0003B6A6B6	LPDDYAMVAQFGHLFSSPVGYGAG YYSYKWAEVLDADA
UniRef90_C7M5B6 KETQLYPTMEAMCIISPAFSHIFSGGYYYSYKWSEVLDADA UniRef90_R5E5T2 YGDTVEGVD QYMWARKPHFYNPHHDFQYTVGFLSANMM UniRef90_Q28TY3 MPHALEMRHRTPQFAHVFAGDGYSSGYYSYMWSEVMDADA UniRef90_R5AFP8 KIGDLYGYTGREWVAIPHTFQPLYYISYAVSMLPALEL UniRef90_R5AFP8 FYTKLYPNVPERCONSTSFSHIFQGGYSSGYYWAEVLDADADT	UniRef90_G9ZJK7	AVT PAYAANREPMQESHLFAGGYAAGYYSYKWAEVLSART
UniRef90_C7M5B6 KETQLYPTMEAMCIISPAFSHIFSGGYYYSYKWSEVLDADA UniRef90_R5E5T2 YGDTVEGVD QYMWARKPHFYNPHHDFQYTVGFLSANMM UniRef90_Q28TY3 MPHALEMRHRTPQFAHVFAGDGYSSGYYSYMWSEVMDADA UniRef90_R5AFP8 KIGDLYGYTGREWVAIPHTFQPLYYISYAVSMLPALEL UniRef90_R5AFP8 FYTKLYPNVPERCONSTSFSHIFQGGYSSGYYWAEVLDADADT	Uniket90_K9Z844 UniRef90_M0S0T7	CVIPVIPEDRE CSESHIFAGGYAAGYYSYKWAEVISADA
UniRef90_C7M5B6 KETQLYPTMEAMCIISPAFSHIFSGGYYYSYKWSEVLDADA UniRef90_R5E5T2 YGDTVEGVD QYMWARKPHFYNPHHDFQYTVGFLSANMM UniRef90_Q28TY3 MPHALEMRHRTPQFAHVFAGDGYSSGYYSYMWSEVMDADA UniRef90_R5AFP8 KIGDLYGYTGREWVAIPHTFQPLYYISYAVSMLPALEL UniRef90_R5AFP8 FYTKLYPNVPERCONSTSFSHIFQGGYSSGYYWAEVLDADADT	UniRef90_T4J5P4	GVSNNI LREKNAPEWILVSHEQVPFYYLSYGLASDVSLQI
UniRef90_C7M5B6 KETQLYPTMEAMCIISPAFSHIFSGGYYYSYKWSEVLDADA UniRef90_R5E5T2 YGDTVEGVD QYMWARKPHFYNPHHDFQYTVGFLSANMM UniRef90_Q28TY3 MPHALEMRHRTPQFAHVFAGDGYSSGYYSYMWSEVMDADA UniRef90_R5AFP8 KIGDLYGYTGREWVAIPHTFQPLYYISYAVSMLPALEL UniRef90_R5AFP8 FYTKLYPNVPERCONSTSFSHIFQGGYSSGYYWAEVLDADADT	UniRef90_UPI0004228B24	MPSAILVMRHRPPHFQHVFAGGGYAAGYYSYLWSEVLDADG
UniRef90_R5AFP8 KIGDLYGYTGREWVALPHTFQPLYYISYAVSMLPALEL UniRef90_H2BYW3 EPTKLYPNVPENCMSTSFSHIFQGGYSSGYYWAEVLDADT	UniRef90_C7M5B6	KETQLYPTMEAMCISPAFSHIFSGGYYYSYKWSEVLSADA
UniRef90_R5AFP8 KIGDLYGYTGREWVALPHTFQPLYYISYAVSMLPALEL UniRef90_H2BYW3 EPTKLYPNVPENCMSTSFSHIFQGGYSSGYYWAEVLDADT	UniRef90_R5E5T2	Y G D T V E G V D
UniRef90_H2BYW3 E P T K L Y P N V P E N C M S T S F S H L F A G G Y Y Y S Y K W A E V L D A D T UniRef90_Q89ZV9 UniRef90_UPI00037BD3CC M P E A M V M R H R P P H F Q H V F A G D G Y S S G Y Y Y S Y K W A E V L D A D G UniRef90_V5V3Y0 UniRef90_V5V3Y0 Q T T T I L P P L P E D A F L C S F S H L F A G G Y Y Y S Y K W A E V L D A D A UniRef90_U6REG7 UniRef90_U6REG7 WK K A V L P S P A E T C M S V Q F S H L M A G G Y Y Y S Y K W A E V L D A D A M P K E I V M R H R T P Q F A H V F S S D G Y S A G Y Y S Y L W A D V V A A D C		KI GDLY GY T GRE WVAII PHT F OPLY YILS Y AVIS MI PAILEI
UniRef90_UP100037BD3CC WK D A Q V L P V K E A C M S T Q F S H L F A G G Y Y Y S Y K WA E V L D A D A UniRef90_UP100037BD3CC MP E A M V M R H R P P H F Q H V F A G D G Y S S A Y Y S Y L W S E V L D A D G D G Y S G G Y G G G G G G G G G G G G G G	UniRef90_H2BYW3	EPTKLYPNVPEN <mark>C</mark> MSTSFSHIFQGGYSSGYYWAEVLDADT
UniRef90_R5K5Q2 UniRef90_V5V3Y0 UniRef90_V5V3Y0 UniRef90_U6REG7 WK K A V L P S P A E T C M S V Q F S H L M A G G Y Y S Y L W A D V V A A D C UniRef90_V4QHI5 WF L A WIV IN R R F P R Y R T T Y F N H L G G Y A A G Y Y S Y L W A N V L D N D A C T T I L P P L P E D A F L C S F S H L F A G G Y A A G Y Y S Y L W A E V L D A D A D A D A D A D A D A D A D A D	UniRef90_Q89ZV9	WKDAQVLIPVIKEACMSTQFSHILIFAGGYYYSYKWAEVLIDADA
UniRef90_V5V3Y0 QTTTIL PPLPEDAFLCSFSHIFAGGYAAGYY SYLWAEVL UniRef90_K9RFI3 UniRef90_U6REG7 WKKAVLPSPAETCMSVQFSHLMAGGYYYSYKWAEVLDADA MPKEIVMRHRTPQFAHVFSSDGYSAGYYSYLWADVVAADC	UniRef90_DPI00037BD3CC UniRef90_R5K5Q2	LGL I PEI A PRYRTTYFNHII I GGYAAGYYSYL WANVL DNDA
UNIREISU_NSKEIS ENTITILIPPLPEDNFLLVAFGHIFAGGYYYSYKWAEVLSADA UNIREISU_NSKEIS WKKAVLPSPAETCMSVQFSHLMAGGYYYSYKWAEVLSADA UNIREISU_NSKEIVMRHRTPQFAHVFSSDGYSAGYYSYLWADVVAADC	UniRef90_V5V3Y0	QTTTILPPLPEDAFLCSFSHIFAGGYAAGYY SYLWAEVL
UniRef90_V4QHI5 MPKE IV MRHRTPQFAHVFSSDGYSAGYYSYLWADVVAADC		ENIII LIPPLIPEDNEL <mark>U</mark> AEGHI FAGGYYYSYKWAEVI DADA WKKAVI PSPAET <mark>C</mark> MSVOESHI MAGGYYYSYKWAEVI DADA
	UniRef90_V4QHI5	MPKEI VMRHRTPQFAHVFSSDGYSAGYYSYLWADVVAAADC

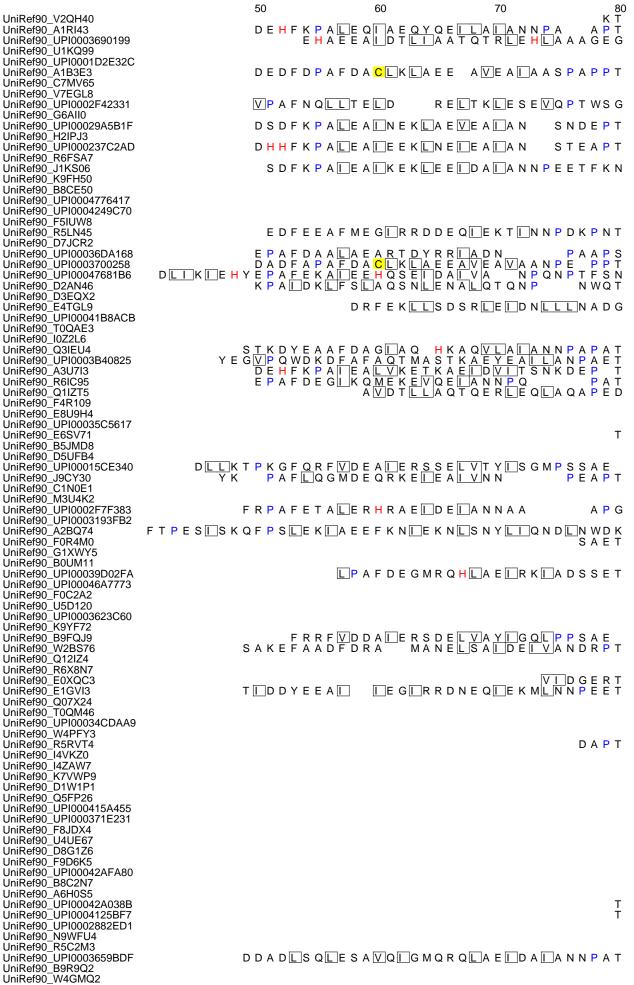
	570 580 590 600
UniRef90_I8T9M1 UniRef90_Q11M43	FAAFEESDFAAETGQRT L ANGGSREAREL FREF FRAFEEAG <u>D</u> PFDQ <u>G</u> TAE YSAGGSADPEEL YKTFRGRL PS
UniRef90_UPI000255ADC8 UniRef90_G4BBZ6	FAYFKEKGI FNKEVATKFKSKGGTANPMELYKKF YSRFEEEGI FNAQTGQSFL DEGGSEEPMKL FK NFRG
UniRef90_Q21WC1 UniRef90_UPI000470AB6C	Y A A F F F N IV IF T G R K Y R Q A II. I I F A G G S R P A M F S F K A F
UniRef90_C5BJR0	FSRFEEEGIFNPQTGLSFKQEGGSAPAMELFESF Y AAFEEAGUFDQATSQRYUSEI LEKGG
UniRef90_UPI000467CD13 UniRef90_A0A011PBG3	F GLF E E E GL L N P D L G A K F K A A G G S V H P M T L F K S F Y G A F E E T G N P F D Q A T G E L L S T G G S R S A L D N F R A F R G
UniRef90_A9ISZ8 UniRef90_UPI0003034E11	Y E A F E E A A Q A N G R D T L N A A T G A R F R K E I L A V G G A R P A A Y A A F E E A P D N V T E T G Q R F R S R G G S R S A A E N F A A F R G
UniRef90_R7BW55 UniRef90_UPI000468582A	FSAFEEEGPAVGKRWLEVISRGASRSAME FEAFEEDPERAKALEEHILSTGGSRDAAELYLAFRGRLPG
UniRef90_U0EWC6	
UniRef90_S7VS90 UniRef90_A9NBE5	F E Y F K E E G I F N K T V A D K F K S Q G G T D N P M T L Y K K F R G Q E P K F S L F E E K G I F D Q D S A R R F S A S G G S E D P L N L F K A F
UniRef90_D6V3H6 UniRef90_M6W185	F G A F E E A G D I F D P K H D D I Y S S G G S R D P E E A Y A E V M S A D A F F A F V D K G V F D S E L C D A Y F T E I L E K G G
UniRef90_D5BM72 UniRef90_W0DEZ1	FEYFKEQGEVADKFKNNILSMGGTEHPMTLYKRFRGKEPQ FARFEEEGEVGHAYLQEILEVGASRPALESFKAF RG
UniRef90_A0A031HMI1 UniRef90_W4HHQ7	EVLAADGFQKFSEAGL VDRSVGDAFRAEVLARGASRPAS FAAFEEKGDAFDGDTERI LSRGGSAEPDTLY VDFRG
UniRef90_C5T2A2	YAAFEELAELGRRYRQAILEAGGSRPAMESEKAF RG
UniRef90_X5D9L3 UniRef90_B7RGY3	F E A F E E D P E Q A N A L E K H I L S A G G S M D A A E L Y T A F R G R L P G
UniRef90_UPI00042533FF UniRef90_UPI000361B5D2	F E F F Q E K G L F N R E T G D L F R S A G G S E H P M Q L Y K R F F D A F E E K G E T A K K L H D F V Y S A G Y S R A P D E A Y E A F R G R A P T
UniRef90_H8XSD9 UniRef90_G2PRW7	FAYFQEKGEVATKFKENI LSKGGTELPMELYKKFRGQEPQ FSYFKENGLFASKFKEHVLSKGGTENPMELYKKF
UniRef90_M7ZTY0 UniRef90_S7WZE1	F S A F E D D N E K A Î E E T G R R F R E G G G K S P L E F E L F Q E K G E T A R S F R D N I L A M G G K E H P S L L F K R F R G R E P K
UniRef90_UPI000479235B UniRef90_K9YKL1	Y E A F E E A A Q A G A D G T L D P D T G A R F R K E I L A V G G A R P A A F S A F E E E D E G A L I G K R F R D G G S L S P M E V F K Q F R G
UniRef90_V0LKV3	YRQYHLSPRTFLPSYLNLASPPGSLSWAESAQLLQVELSD
UniRef90_Q2JQH0 UniRef90_R5QTM5	W L V G T K N R E D A L N A Y R N M T Q N T L N V D Y L D A L K D S G F
UniRef90_J3CU08 UniRef90_A4EQK7	Y A A F E E A A T A A P S P S G D V T V E T G R K Y R Q A I L E A G G F A S F E E A G G A F D A D R E H L L S T G G S V D P A D L Y T A F R G R L P G
UniRef90_UPI00037E31F4 UniRef90_Q0FQ83	F E V F S T N G T F D K N T A K S F K S K G G S E K P M E L Y K R F R G K E P S F A A F E E A G D A F D P A T A E T L S K G G S Q E A E D L Y T A F R G R M P G
UniRef90_F9Z918 UniRef90_F7ZAX4	FAAFKENPEKAKAFRENII LISRGGSDDPMKILIYKQFRGKEPG
UniRef90_S9QRN7 UniRef90_S0DDZ2	FAAFEEAGGAFDPERRHILSTGGSSDAAELYIAFRGRLPG FAAFGEAGATAQRLEREILSVGGSRDEGESWLAFRGRMPG
UniRef90_K2BAW4	Y S Q F E E H G V F D R A T G D S F M K N G G V P D P M E N K P A F I A F R G
UniRef90_UPI00047E1AAC UniRef90_G7UUU5	FELFKEDPETARSFKENVLERGGTEHPMELYKRFRGREPD YAAFEEAPDQLADTGARFRSRGGSRSALE
UniRef90_B7JYR7 UniRef90_UPI0003803D0B	FAAFEEEDE <mark>HAV</mark> AKTGQRFRDGGST <mark>HPME</mark> VFKTFRGREPK FDYFKEKGEVA <u>E</u> KFRN H ILSKG <u>G</u> TEKPM <u>V</u> LYKR <u>F</u>
UniRef90_R5FCC0 UniRef90_R1CA74	WT MS R R D WD G A VD T Y M G L L N E G L D A P Y R D T M Y R C G L D V F D F A A F E E A G L D D E Q A V R E V G R R G G G T A P S D V F R A F R G R D P S
UniRef90_S3UMT2 UniRef90_UPI0004292F7E	FFAFRSKGI FDPKYRTEI LEKGGSENAMVLFKRFLGRDPE FELFQEKGETAQSFEKNI LSAGGTEHPLELFKRF RG
UniRef90_K1UDN3 UniRef90_F2IWQ7	FRAFEQTGDVFDRKFRTLLSRGGSADGMTLYR DFRG FGAFEEDPETA <u>ERLH</u> RHLYSAGGR <u>P</u> DPEE <u>A</u> YKAF
UniRef90_UPI0002FE8318	F A A F F F D N F F A V I IT T G Q R F R D G G S II IH P M F V I F K A F R G R F P N
UniRef90_F5SU53 UniRef90_W0PB89	F S R F E E E G V F N A A T G Q A F R D N I L A V G G E N F R G Y S L F E E H A D S D H P K L G Q L F K D G G S R P A A E S F E A F R G R G P S F S K F E E E G L F N P V T G K A F R E S I L S V G G
UniRef90_UPI0003F7F088 UniRef90_A3JXA5	F S K F E E E G F A A F E E A G D A F D P G M A Q I L S K G G S V E A E D L Y T G F R G R M P G F Q A F K E N G E T A R K F K E N V L E K G N S E D P M T L Y V K F
UniRef90_F3ZR93 UniRef90_G8PKQ6	F F A F F F T G D A F D P D T A A II IY A A G G S O D P A K A Y M D F R G K M P S
UniRef90_A3VZR1 UniRef90_B1M441	FASFEEDPERAKALETHI LSRGGSEDAETLYLQFRGRMPG EVLDADAFREAGDUFDPETAKRLRTFVYGAG NLRD
UniRef90_W7YBP0 UniRef90_M1D0I5	F Q A F R E N G E T A T K F R K N L L E R G G T E D P M V L Y K K F R G F S A F E D E N E K A V K E T G Q R F R E G G G K A P L E V F V Q F R G R E P S
UniRef90_H5XCP8 UniRef90_I5AVI3	VEWFRENG GITRENGDHFRRELLARGG S WYQSLDHRPKAVDSYMKI SALNNASYLEALDEADL
UniRef90_B0JT09	FAAFEEVGLDNEEAVKAI GRMGGSSHPMNVFKAFRGREPS FAAFEEAGEEALASTGRLYRDGGSKHPMEVFKTFRGREPS
UniRef90_L8N0K6 UniRef90_C4I3H6	Y A A IV IF F A R A F H A D A G K R F A G M R Y R K F IV I I F P G G S R P A II I
UniRef90_K1MWG3 UniRef90_R5B7J1	FQYFKENGPETAQKYKKLLSSGGTQDPMELY FSLFKEKGEVAASFRDNILSRGCTEDEALLYRRFGHDPAP
UniRef90_UPI0003B6A6B6 UniRef90_G9ZJK7	F S R F K Q E G E T G R D Y [V] D K [L L] S R G N S D D P A Q [L] Y R D F G R D P D A A L R R L K K K A S S T R R P
UniRef90_K9Z844 UniRef90_M0S0T7	FSAFEEVGLDNEEEVKTVGQRGGSLSPMEIFKKF RG FSAFEDAGETGHRFRETLLALGGGRSPLEVEVEFRGREPS
UniRef90_T4J5P4 UniRef90_UPI0004228B24	WQLSQEDYRKAVDVYMDFLNQNTDAGFKDVVEKVNLQL FGAFEEAGDVFDPATAQVYSAGYRRDPAEAYRAFRGRPPE
UniRef90_V4UJC4	F S A F E D N D S K A V Q D T G R R F R E G G G K P P L E V F V E F R G R E P S
UniRef90_C7M5B6 UniRef90_R5E5T2	F S A F E D N D S K A V Q D T G R R F R E G G G K P P L E V F V E F R G R E P S F E V F K E N T E V A T R F R G E V L S K G S S E K E M T L Y K R F R G L K K L E E V E K T E L P R L G K V L L D N A T L P Y E E I F K N F E A D L E S
UniRef90_Q28TY3 UniRef90_R5AFP8	FIVE A DEDFEA A SA A Y HAILLMRPEY SALIRTILTEEN GL
UniRef90_H2BYW3 UniRef90_Q89ZV9	F E Y F Q E N G E V A Q R F R D H V L S R G G T E H P M T L Y K R F R G K E P Q
UniRef90_UPI00037BD3CC UniRef90_R5K5Q2	F S L F K Q Q G E V A D S F R N N I L S K G G T E H P M V L Y K R F F G A F E E A G D I F A K L R D F V Y A A G N R R K P D E A Y R A F R G R D F E A F K E H G I F D K T T A D L F R R K G D S E D P M T L Y K N F
UniRef90_V5V3Y0	S A D A F A A F E E IV IGIL ID N E Q A II IA E M G R R Y R E T IV L IA IL IG G S
UniRef90_K9RFI3 UniRef90_U6REG7	FAAFEEAGEQALKTTGKRYRDGGSKHPMEVFKSFRGREPS FSLFKEKGEVADSFRRNI LSKGGTEHPMTLYKRFRG
UniRef90_V4QHI5	S E A F A E A P G G F Y D Q M K N L L S V G N T L D P A L A Y R N F R G R D A D

```
610
                                                                                             620
UniRef90_I8T9M1
UniRef90_Q11M43
                                    P D A M M E
UniRef90_UPI000255ADC8
                                    REPQLDALLRHKGI
UniRef90_G4BBZ6
UniRef90_Q21WC1
UniRef90_UPI000470AB6C
UniRef90_C5BJR0
UniRef90_UPI000467CD13
                                    R E P QVD A L L R H R G M I
E S F E A F R G R A P R I D A L L
R A P T VD A L L R H N G MV
UniRef90_A0A011PBG3
UniRef90_A9ISZ8
UniRef90_UPI0003034E11
UniRef90_R7BW55
UniRef90_UPI000468582A
                                   VEALLKG
UniRef90_U0EWC6
UniRef90_S7VS90
                                    PΕ
UniRef90_A9NBE5
UniRef90_D6V3H6
                                    RKPEPDALLRGRGLLDESEA
UniRef90_M6W185
                                    P D A L L K R A G L I E K
R E P N L D A L L R H S G L
E S F
UniRef90_D5BM72
UniRef90_W0DEZ1
UniRef90_A0A031HMI1
                                    R MP GVE AL
R E P T L D A L L R H Q G M A D
UniRef90_W4HHQ7
UniRef90_C5T2A2
UniRef90_X5D9L3
UniRef90_B7RGY3
UniRef90_B7RGY3
UniRef90_UPI00042533FF
UniRef90_UPI000361B5D2
UniRef90_H8XSD9
UniRef90_G2PRW7
UniRef90_M7ZTY0
UniRef90_S7WZE1
UniRef90_UPI000479235B
UniRef90_UPI000479235B
UniRef90_V0LKV3
UniRef90_Q2JQH0
UniRef90_Q2JQH0
UniRef90_R5QTM5
UniRef90_J3CU08
UniRef90_A4EQK7
                                   VEALLKG
                                    PEPL
                                   ESF KAFRGREPRIDALL
REPQTEALLRHSGLL
                                   SRPAMESFKAFRGREPSIDALL
VEALLKG
PD
UniRef90_A4EQK7
UniRef90_UPI00037E31F4
                                   VEALLKG
IEPLLE
VDALLKG
UniRef90_Q0FQ83
UniRef90_F9Z918
UniRef90_F7ZAX4
UniRef90_S9QRN7
UniRef90_S0DDZ2
                                    VEPLLAG
UniRef90_K2BAW4
UniRef90_UPI00047E1AAC
                                    REPTIDALLRLSGI
UniRef90_G7UUU5
UniRef90_B7JYR7
                                    TEPL
UniRef90_UPI0003803D0B
                                   S S E L E A L A G D V R R I
P E P L
P D A L L K L Y D L V A
R E P K Q E A L L K R S G L I
A D P D K R A M L V A C G L M E E L
UniRef90_R5FCC0
UniRef90_R1CA74
UniRef90_S3UMT2
UniRef90 UPI0004292F7E
UniRef90_K1UDN3
UniRef90_F2IWQ7
                                   T E P L
R E A S L D A L L R H G G F V D D
P E A L L R H S G L V A E
UniRef90_UPI0002FE8318
UniRef90_F5SU53
UniRef90_W0PB89
UniRef90_UPI0003F7F088
UniRef90_A3JXA5
UniRef90_F3ZR93
                                   VDALLKG
                                   I E PL L K G
V E A L L K G
P R E A Y T A F R G R M P S I E P L L K K
A E P D E K A L L K D R G L I
UniRef90_G8PKQ6
UniRef90_A3VZR1
UniRef90_B1M441
                                   REAYTAFRGRMPSIAEPDEKALLKDRGLIPEPL
KDPME SFRTFRGRDPEIPNYITKGMKKVCGHIEEL
TEPL
UniRef90_W7YBP0
UniRef90_M1D0I5
UniRef90_H5XCP8
                                                    SFRTFRGRDPELEPLLKR
UniRef90_I5AVI3
UniRef90_B0JT09
                                    T Ā Þ L
UniRef90_L8N0K6
                                    DSFV
                                                               AFRGRAPSLDALL
UniRef90_C4I3H6
UniRef90_K1MWG3
UniRef90_R5B7J1
UniRef90_UPI0003B6A6B6
UniRef90_G9ZJK7
UniRef90_K9Z844
                                    REPKTEALLRHSGLL
PEPL
UniRef90_M0S0T7
UniRef90_T4J5P4
UniRef90_UPI0004228B24
                                    PΕ
                                   PEPL
KEPSIDAL
EEFWTNALE
VEALLKG
RDPLEPG
UniRef90_V4UJC4
UniRef90_C7M5B6
UniRef90_R5E5T2
UniRef90_Q28TY3
UniRef90_R5AFP8
                                                               SIERLSEELKRILRK
UniRef90_H2BYW3
UniRef90 Q89ZV9
UniRef90_UPI00037BD3CC
                                   PEP
UniRef90_R5K5Q2
UniRef90_V5V3Y0
                                    QPP<u>W</u>K
                                    TEPL
KEPGLEALLRRNGIIN
UniRef90_K9RFI3
UniRef90_U6REG7
```

1 10 20 30 40 UniRef90_V2QH40 UniRef90_A1RI43 UniRef90_UPI0003690199 UniRef90_UTKQ99 UniRef90_UPI0001D2E32C UniRef90_A1B3E3 UniRef90_C7MV65 UniRef90_V7EGL8 UniRef90_UPl0002F42331 UniRef90_G6AII0 UniRef90_UPl00029A5B1F LPAFADIKSEQV UniRef90_H2IPJ3 UniRef90_UPI000237C2AD UniRef90_R6FSA7 UniRef90_J1KS06 UniRef90_K9FH50 UniRef90_B8CE50 UniRef90_UPI0004776417 UniRef90_UPI0004249C70 UniRef90_F5IUW8 UniRef90_R5LN45 UniRef90 D7JCR2 UniRef90_UPI00036DA168 UniRef90_UPI0003700258 UniRef90_UPI00047681B6 UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U713
UniRef90_R6IC95
UniRef90_F4R109
UniRef90_E8U9H4 MNSITEDSKLPKLAEFKVNEV UniRef90_E8U9H4 UniRef90_UPI00035C5617 UniRef90_E6SV71 UniRef90_B5JMD8 UniRef90_D5UFB4 UniRef90_UPI00015CE340 UniRef90_J9CY30 UniRef90_C1N0E1 UniRef90_M3U4K2 QVPPFDQIQVEH UniRef90_M3U4K2 UniRef90_UPI0002F7F383 UniRef90_UPI0003193FB2 UniRef90_A2BQ74 UniRef90_F0R4M0 UniRef90_G1XWY5 UniRef90_B0UM11 UniRef90_UPI00039D02FA UniRef90_UPI00046A7773 UniRef90_F0C2A2 UniRef90_U5D120 LPPFNEIRSEH KYGELPEFKK UniRef90_F0C2A2 UniRef90_U5D120 UniRef90_UPI0003623C60 UniRef90_B9FQJ9 UniRef90_W2BS76 UniRef90_Q12IZ4 UniRef90_R6X8N7 UniRef90_E0XQC3 UniRef90_E1GVI3 UniRef90_Q17X24 UniRef90_Q07X24 UniRef90_T0QM46 UniRef90_UPI00034CDAA9 UniRef90_W4PFY3 UniRef90_R5RVT4 UniRef90_I4VKZ0 UniRef90_I4ZAW7 UniRef90_K7VWP9 UniRef90_D1W1P1 UniRef90_Q5FP26 UniRef90_UPI000415A455 UniRef90_UPI000371E231 UniRef90_F8JDX4 UniRef90_U4UE67 UniRef90_D8G1Z6 UniRef90_F9D6K5 UniRef90_UPI00042AFA80 UniRef90_B8C2N7 UniRef90_A6H0S5 UniRef90_UPI00042A038B UniRef90_UPI0004125BF7 UniRef90_UPI0002882ED1 UniRef90_N9WFU4 UniRef90_R5C2M3

UniRef90_UPI0003659BDF UniRef90_B9R9Q2 UniRef90_W4GMQ2

UniRef90_F6HCS7



UniRef90_F6HCS7

D D A D L S Q L E S A V Q I G M Q R Q L A E I D A I A N N P A T

```
YLNFMRPLMELECRLNDYFTPVAHLNSVCDSPETREAF SFENTIVAMEKSGALLNRASS VFYNLAGSNSNPELRKIQGFEGFMADLDDLTAQLQTVSTIVYHLDSV ISDESWQAAKK
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
                              F D N T VA A LESA E E P L N R L C A L F F T L A G V D S N P A R E D L Q R A L E R S G Q L L N R V S S V F F N L A A S H T N D T L R A V H A E L A P
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_R6FSA7
UniRef90_J1KS06
                               T LE A LE LS G E K LD R L H A VY G LY R S N L S T P E F N A V D T E M S P
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90 F5IUW8
UniRef90_R5LN45
                              I I N V D D D K D G Y Y D L L S R V S T V F F N L L S A E T N D E M D A L A Q
UniRef90_D7JCR2
                              FANTIEAMEGAGRPLGRIASTFFNVASADATDAI QGVEEFQNTVAALETAEEPLNRL<mark>C</mark>AVFYTLAGVD SNPAREELQRTIEAIEYSGEMLTRVSSVFFNLLSAESNDEMMEISQRLSPLLKLEEDDEKISQAFSTISHMNAVCNSKELR ESYEYAIA
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPl00041B8ACB
UniRef90_UPl00041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
                               Y E G F MLP Y Q S I I A K I H E E F T P I S H L N A V N N S T E T
                                                                                                                         QELFN
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U713
                              FKNTLVEMELSGELLNRVST AFYNLSGLISDSEYQRIFENTMVPLELAGEEIGRVFSY WGVYTSNLSSPEVRAIFKNTIEALEFSGMQLDRVTSIFFNLNSAETS ENLQKIFENTVVALERSGKLLETVSSVFFNVLGAEANDEM MEIYADFMDDLDRLTEQLDTVGVIVSHLDSVVTSPEWRAI
                                                                                                                                 A Q
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
                               FANTVLPYEKSGELLHNVNTVFNNLLSAETNDEL QELAK
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPI00015CE340
                              URAMDEIS DAVCSVVDS A ELCRHTHP DREFVEE A NFENTVA ALDQS GRLLRKVS SVFY GLKS A HTNDAM DALS R
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
                              MDELNDRLGQAWSPIGHLNAVCNSRAAYEACLPFANTLEALERSGKLLTDVGSVFWNLTATDTNQEM QELER
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
                              VINPLNEVNEILR WS WGVIS HLNAVN NS ESLR DIY S K FLPCDELDAIAE KLMPELSEHSNNLGLN EKLFQ
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_B0UM11
UniRef90 UPI00039D02FA
                              FANTIEAMERSGQTLTRVSSVFFGVVQADTSDA
                                                                                                                     RQKIQE
UniRef90_UPI00046A7773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UPI0003623C60
UniRef90_K9YF72
UniRef90_R9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_R6X8N7
UniRef90_E0XQC3
UniRef90_E1GVI3
                              VRAMDEISNTVCSVIDSAELCRNTHP DKEFMDEADVENTIVVWEKAAEELSELLALFETVMSSDTTDEL DALNE
                              WDNTLAALEEATRQLELAYGVVMHLRSVCHTDELAAAIDE
FYNTLVHEDEYYDLLDRVTSVFFNLLSAETNDEM DALAQ
UniRef90_Q07X24
UniRef90_T0QM46
UniRef90_UPl00034CDAA9
UniRef90_W4PFY3
UniRef90_R5RVT4
                              FANT LEALEFS GRT LGRVS DIFFN LEADS DDEL QVVA E
UniRef90_I4VKZ0
UniRef90_I4ZAW7
UniRef90_K7VWP9
UniRef90_D1W1P1
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
                              FENTLEALERS GRLLDRVAS YFFNLAGTD ATD SRIALEAEFQNTVLALETS GEDLKRATGMFYNLTS SNT NPTLQALQA
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90 UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF FENT LVALEHAGED LNRVFTYYG LWSS NMSSPEFRE LQG
UniRef90_B9R9Q2
UniRef90_W4GMQ2
```

UniRef90_F6HCS7

120

	130 140 150	160
UniRef90_V2QH40 UniRef90_A1RI43 UniRef90_UPl0003690199	EMAPKMAAHSDNINLLTPEAQRLVEVYHQRFIMAGARAIIPKVSEFYTQLSLHPGLWAAVYAETEAGRTLDPVF	(FKI
UniRef90_U1KQ99 UniRef90_UPI0001D2E32C UniRef90_A1B3E3	RIAPRLAAHGSKVSMDPRLFDRVEAVMQDADELAPEL	D C R L
UniRef90_C7MV65 UniRef90_V7EGL8 UniRef90_UPI0002F42331	KLAEHFDAIHNPVLFARIEKLYENRDSLGLDAESAWL AVQPKVVQFSNKLSQSQPIYNAFKRNSNHWDNLDSAG	Q K R l
UniRef90_G6AII0 UniRef90_UPI00029A5B1F UniRef90_H2IPJ3	KMSPLTKHSNDVSLNPKVFERIKYVYEHHGALTPEEEMAPKMAGLNNAIYLNDKERVKTVYNQLDELNLDAESRLKAVYDQRSSL KISPESQRLIEVTFKDFELAGANEMAPKMAGLNNAIYLNDKERVKTIYNQLDELNLDAES	N R L S R R L N L S <u>D</u>
UniRef90_UPI000237C2AD UniRef90_R6FSA7 UniRef90_J1KS06	E MAPK MAGLNNALYLNDKERVKTLYNQLDELNLDAES KLAELNDKLYQNEKLFSRESLYKSDQKKNLTKEQQR	
UniRef90_K9FH50 UniRef90_B8CE50 UniRef90_UPl0004776417		
UniRef90_UPI0004249C70 UniRef90_F5IUW8 UniRef90_R5LN45	KLQPLLTKHANDVRLNKRLFERLKAVHLHHRKLTPE	- K R∏
UniRef90_D7JCR2 UniRef90_UPl00036DA168 UniRef90_UPl0003700258	RIT PKIT RIS NETITO PKIE GRVD TIWK A RATIOS PE	OAR
UniRef90_UPI00047681B6 UniRef90_D2AN46 UniRef90_D3EQX2	QI APRLAAHGARTSMDPRLFDRVEALHQDRDELAPQEKLSQHSNNISRHTSGLTPEQIRLTEKYYENFTLSPECKLTDYYTKLGQNKDLYDLY	G K E K Q A Q A
UniRef90_E4TGL9 UniRef90_UPI00041B8ACB	HCLELYTDFFTEINQSKAIYSKIKDIQSNNRDQSKDF	RL
UniRef90_T0QAE3 UniRef90_I0Z2L6 UniRef90_Q3IEU4	K MA PV L S A H S D DI S K L N A E D Q R L V D F Y Y K Q F V K A G A K	K L N D
UniRef90_UPI0003B40825 UniRef90_A3U7I3 UniRef90_R6IC95	EWSPKLSAYFNELQFDPRLFARVKYDRRDTLGLDAECEISPLLSEFGNDIALFERVKAVYNNKSKFNLSEEQENRVSPKLSQTSNNIFLNEKARVKSLYDKKEQLNLSTEL	O A K L
UniRef90_Q1IZT5 UniRef90_F4R109 UniRef90_E8U9H4	KVTEFYTQLS LHPGLWAALKGFAQTETARALDPVF	RARH
UniRef90_UPI00035C5617 UniRef90_E6SV71 UniRef90_B5JMD8	E I M P L M S E H E N N I S L N E D L F A R I K Y D Q R Q K E D L N K E C F E E T M A D F K Q A G A D L P Q D K K T R L E A L N K E	Q S K L E L A D
UniRef90_D5UFB4 UniRef90_UPl00015CE340 UniRef90_J9CY30	KASMRINEYLHYLNTNHSLYHAVLKVEKDRNLLSKEA ELSPLQSKHSDDIMLNEKLFARVKAVYENPGELNKEO	
UniRef90_C1N0E1 UniRef90_M3U4K2 UniRef90_UPl0002F7F383	KLSAYSTEIGQNKDLFQAYSRLAESEEAKGFDVGEHA DMAAALSRHASDISFRRVEALHAQRESLGLSPEQRRV	ALR D
UniRef90_UPI0003193FB2 UniRef90_A2BQ74 UniRef90_F0R4M0	EIISLSNKFGQSKIIFEKELLEMQHRGISLQKNDQEERVKHVYEQRGQL DLTPEERQLLEKTYDGFNLSDAG	FNK
UniRef90_G1XWY5 UniRef90_B0UM11 UniRef90_UPl00039D02FA	QVA P KLA E H Q D E H L L D A E Q K R L L E R Q Y D S F VR A G A C	
UniRef90_UPl00046A7773 UniRef90_F0C2A2 UniRef90_U5D120	WAT KEALING DE MILED AL WINGLE KOTOST VIKAOAC	<u>х</u> <u>г</u> о о
UniRef90_UPI0003623C60 UniRef90_K9YF72	WAS MEDIVE UPON THE TOWN A FOR SWIFT FOR	N D K D
UniRef90_B9FQJ9 UniRef90_W2BS76 UniRef90_Q12IZ4_	K A S M R T Y E H L Q Y L N T N T T L Y N A T L K A E S E G V M L T E E A K Y A P L F A A H S D E I Y Q N R A L Y E K I E A L S K T D L D D Q I	O R H W
UniRef90_R6X8N7 UniRef90_E0XQC3 UniRef90_E1GVI3	MVPHISQFFSSIALDAELYRKRYLDKTLRDFVRHGAEKISPMLTKHSNDISLNPKIFERIKYVYDHHGTLTSEE	LAP QRV
UniRef90_Q07X24 UniRef90_T0QM46 UniRef90_UPI00034CDAA9		
UniRef90_W4PFY3 UniRef90_R5RVT4 UniRef90_I4VKZ0	EVS P MLT E Y S M Y V S Y E Q R E T L A L E Q D Q K Q G A N L S D E C	O K A 🗌
UniRef90_I4ZAW7 UniRef90_K7VWP9 UniRef90_D1W1P1		
UniRef90_Q5FP26 UniRef90_UPl000415A455 UniRef90_UPl000371E231		
UniRef90_F8JDX4 UniRef90_U4UE67 UniRef90_D8G1Z6		
UniRef90_F9D6K5 UniRef90_UPI00042AFA80		
UniRef90_B8C2N7 UniRef90_A6H0S5 UniRef90_UPI00042A038B	I V P L L A A H N D S I V G L W Q R I A A V Q P P E D E E G R R L L E K I E Y A P L F S A H S D K M Y L N S K L Y K R F K S I D L N S L K G E D K F	R S D
UniRef90_UPI0004125BF7 UniRef90_UPI0002882ED1 UniRef90_N9WFU4	ETAPLIFSAMSUKMYLNSKLIYKKFKSI DLNSLKGEDK	LIQD
UniRef90_R5C2M3 UniRef90_UPI0003659BDF UniRef90_B9R9Q2	RLS P QLS A F N S QIT Q N E A L F N R V R P D Q Q R L V Q L T Y D O	G F A R
UniRef90_W4GMQ2 UniRef90_F6HCS7	E <mark>H</mark> F N K [] Q E [] E F	(LKF

	170 180 190 200
UniRef90_V2QH40 UniRef90_A1RI43 UniRef90_UPI0003690199	G G V Y L E D N K K K R L I E I N T R L S E L S D S F N K N L L D A T N A F E I E Q K V K I R A L N E E Q S T L T N E F S Q R L L R L T K E I A D S K D E L V G
UniRef90_U1KQ99 UniRef90_UPI0001D2E32	CC C
UniRef90_A1B3E3 UniRef90_C7MV65 UniRef90_V7EGL8	T E L T L R G L R R A G A G L T G A A R E R M A A F A Q N V L A D E R D F T M S Y R Q R L R E L N A E L S S L S T R F S N N L L A D T N E L A V W V S D R E Q L
UniRef90_UPI0002F42337 UniRef90_G6AII0	L E N S L D E A G K D R L R K L T E E A S M L S L Q F S Q N L L K E N K A Y D T
UniRef90_UPI00029A5B1 UniRef90_H2IPJ3 UniRef90_UPI000237C2A	ADKDKLRALNQQAA <u>TLS</u> TQFTNKLLAATK <u>AG</u> GLTKAQLAG
UniRef90_R6FSA7 UniRef90_J1KS06	YYTDFEENKEKVAKINQELATLFTAFSQKLLAEENNQYIE
UniRef90_K9FH50 UniRef90_B8CE50 UniRef90 UPI0004776417	7
UniRef90_UPI0004249C70 UniRef90_F5IUW8	0
UniRef90_R5LN45 UniRef90_D7JCR2 UniRef90 UPI00036DA16	LDNALLDDEGKEKLRKLTEEASMLSLQFSQNLLKENKAYT 8 LLQETHSRFVRAGAALNPAQRTRVAAINEELATLGVDFGQ
UniRef90_UPI0003700258 UniRef90_UPI00047681B6	B
UniRef90_D2AN46 UniRef90_D3EQX2 UniRef90_E4TGL9	VRKALIGFEQSGVNLDEAKRKRLQQISQELAQLSTKFENN YDITLKEFELEGVHLSQEERNRIKEINLQLSKLSTDFFQN
UniRef90_UPI00041B8AC UniRef90_T0QAE3	
UniRef90_I0Z2L6 UniRef90_Q3IEU4 UniRef90_UPI0003B40829	A E K A M R E I N S E L A K L S T A F S Q N V L T D K S K L A G L S E G E I A S 5 L T R Q Y E D L L T P E Q K Q E V I G I E T A L A F S N K V L A D E E S Y I L L
UniRef90_A3U7I3 UniRef90_R6IC95	Y K S F L R E I D N E L S K L K L K F G E N V L A E T N N F Q L H L T D L E K S L E D L Y E S F K K E K Y R K L S M D L S M L T L Q F D Q N A L K D K N R F E L
UniRef90_Q1IZT5 UniRef90_F4R109 UniRef90_E8U9H4	LKLTIDEFRPEAEKARLLEVNTQLAQITNDFAAAYELYVP
UniRef90_UPI00035C561 UniRef90_E6SV71	LEDITYNGFVRNGANLHGEAKDKYRGL <mark>C</mark> KETLQFSENNLKE
UniRef90_B5JMD8 UniRef90_D5UFB4 UniRef90_UPI00015CE34	KTKSYSDLDSTNAYELLIDDESRLAGLPESAKAAA O AAHYLRQLHVETAHLCREFSENTITDPGSVDLFPASRLYG
UniRef90_J9CY30 UniRef90_C1N0E1	LEETYRDFVQAKLRQLNSEISMLQLTFGQNMQKETNAYQL
UniRef90_M3U4K2 UniRef90_UPI0002F7F38; UniRef90_UPI0003193FB;	FRLSGIDLQQRYAAIQARKSELGSKFSNQLLDATQAWTKH 3 YKNFIRAKLNDADKARMKKILERLAFSQNVLADESSWVLF 2 LAGLYSTFNEKLQADEEKYLTDKAELAGLPDSFVAS
UniRef90_A2BQ74 UniRef90_F0R4M0 UniRef90_G1XWY5	LAGLYSTFNEKLQADEEKYLTDKAELAGLPDSFVAS ISETLGKLSTEFSNNVLDATNEWLNKKSEVDGLPDRVLEL FRKLSMELFSQNHLKETNSYELDLTQEEDVDGLPESAL
UniRef90_B0UM11 UniRef90_UPI00039D02F	
UniRef90_UPI00046A7773 UniRef90_F0C2A2 UniRef90_U5D120	3
UniRef90_UPI0003623C6 UniRef90_K9YF72	HVIDATKAFKIKITTPFFVAGIPOSAINIAAOTAROFG
UniRef90_B9FQJ9 UniRef90_W2BS76 UniRef90_Q12IZ4	K E HV N H L N L E I A Q L G R K F S E N V M N K P G F V D L Y P A S R L P R V E L T L K D F R R S G V Q L S D E E Q Q R L R E L N S K L A A N Y A K W D Q
UniRef90_R6X8N7 UniRef90_E0XQC3	EQKTLGNAFSQAVLKATAEWELHLPSDARLDGLPGSALGM LENSYDGLVRSGALLNDKDKETSLQFSQNVLKENKAYSLH
UniRef90_E1GVI3 UniRef90_Q07X24 UniRef90_T0QM46	<u>L</u> ENSYDG <u>LV</u> RSGA <u>LL</u> NDKDKETSLQFSQN <u>VL</u> KENKAYSLJH
UniRef90_UPI00034CDAA UniRef90_W4PFY3	
UniRef90_R5RVT4 UniRef90_I4VKZ0 UniRef90_I4ZAW7	Y G K Y M E E L L K F G K N V L A A T N A Y S L H L T D E K D L A G L P D Y
UniRef90_K7VWP9 UniRef90_D1W1P1	
UniRef90_Q5FP26 UniRef90_UPI000415A45 UniRef90_UPI000371E23	
UniRef90_F8JDX4 UniRef90_U4UE67	
UniRef90_D8G1Z6 UniRef90_F9D6K5 UniRef90_UPI00042AFA8	
UniRef90_B8C2N7 UniRef90_A6H0S5 UniRef90_UPl00042A038I	F M Q N V L K D E E E W E L V L T A E M I G C P T D V I A A
UniRef90_UPI0004125BF UniRef90_UPI0002882ED	7 FELALSDADKEKMKKLNGELATLSTSFGDKLLTARKNGAV
UniRef90_N9WFU4 UniRef90_R5C2M3 UniRef90_UPI0003659BD	F NGATLEGEAKARYAALNERLSELYNDFSNNVLADEQDYVL
UniRef90_B9R9Q2 UniRef90_W4GMQ2	
UniRef90_F6HCS7	E E NVLD A T K N F G KLIT D K K D L E G L P A T A L G L A A Q T A V S K G

UniRef90 V2QH40	210 220 230 24 I <u>L</u> K D D <u>T H </u>	0
UniRef90_V2Q1140 UniRef90_A1RI43 UniRef90_UPI0003690199	LTDSELTSKAAGHDGKYLINII TNTTRQPII LASENRELRQR VLDATAAFEEAHGKEGHRLTLHMPVVEPILYADDRELRRE	
UniRef90_U1KQ99 UniRef90_UPI0001D2E32C	KDRQLREQ	
UniRef90_A1B3E3 UniRef90_C7MV65	VADSDLAGLPDWLVRGQIVTLNRSLIVPFLYSEKRALREA AGUSDAEIIAAAAHESGYLLTLSLPTAQPLLASENROLRER	
UniRef90_V7EGL8 UniRef90_UPI0002F42331	D A A R A A G K E R G Q N G P V V T L S R S L I V P F L Q S P R R E L R R L V L D A T K A F N A T P E N G P W R I T L D F P S Y F P F M Q S T R R D L R Q V	
UniRef90_G6AII0 UniRef90_UPI00029A5B1F	: K V	
UniRef90_H2IPJ3 UniRef90_UPI000237C2AD	L S D A E L S A A A Q A A K N A W L L V L Q N T T Q Q P L L Q S D D R E A R K A D L S D A E L E S L K Q E V D G K T V P L Q N T T Q Q P I L A S E N R E T R R Q	
UniRef90_R6FSA7 UniRef90_J1KS06	G WL F T L D Y P S Y S P F M Y S T Q R E L R R Q	
UniRef90_K9FH50 UniRef90_B8CE50	W R T L D L P S Y G P F M H S Q R R D L R E K W R T L D G P S Y L A A M Q H P N R E V R K E	
UniRef90_UPI0004776417 UniRef90_UPI0004249C70	W <u>L I PL</u> Q N T T Q Q P A <u>L</u> Q S S N R T T R Q R E N R E L R E Q	
UniRef90_F5IUW8 UniRef90_R5LN45	MEGKWMFGLSKPSWEPFLQYADRELREK LHLTDEQAAKERNLEGWVFTLDFPSYSPFMYSTCRELRKQ	
UniRef90_D7JCR2 UniRef90_UPI00036DA168		
UniRef90_UPI0003700258 UniRef90_UPI00047681B6	IL I ID A A A T K A K S K G K E G WIL I IDILIS A P S Y M G F M Y S S R R DILIR E R	
UniRef90_D2AN46 UniRef90_D3EQX2	V L D A T M D WLY T T D D E K E L KGL S Q H T T E S M Q Q A D N R K L R E K WI L T L D Y P V Y V P F M Y S N Q R N L R E K	
UniRef90_E4TGL9 UniRef90_UPI00041B8ACB	LNDTRKFELIVEKDGKYFNLTAPSYSTFMYCTDESLREK BEAAAQTAREKGVEGWVITLHAPSYVPFMYASNRELRKE ADGHDGATAEDGPWKLSLDMPVLLPMLYCTNRSLRET	
UniRef90_T0QAE3 UniRef90_I0Z2L6 UniRef90_Q3IEU4	EEGPWLFTLDFPSYQPILTHKNRAFREE LADAAKK AGKTGYMITLVNTTQQPLLSSENRDLREQ	
UniRef90_UPI0003B40825 UniRef90_A3U7I3	T D E A D L S M K G A A E E N G E T V V N T R S F M Q P F L E S T R R D L R E K	
UniRef90_R6IC95 UniRef90_Q1IZT5	LIRDAAAMLIAKSKDKNGWLIFNILISAPSYILIPFMYSDKRDILIREK EREATRILIDAEQHGREGHRILITILIHQPVAEPILIYADDREILIRRE	
UniRef90_F4R109 UniRef90_E8U9H4	T R N V Q G WA I V N T R S S V D P F L T A D D R A L R Q Q T L H M P T Y L P V L Y A D D R A L R E E	
UniRef90_UPI00035C5617 UniRef90_E6SV71	Y <u>G V T L A R S S V E L F L Q S S T R R L R E T T N N A A T E T A K E K G V E G W V F T L Q A P S Y G P F M Y A D N R A L R R E</u>	
UniRef90_B5JMD8 UniRef90_D5UFB4	LQNAKSKGHGTEEKPVWRFTLQAPSFLPVLYADDAELRRT WLLELQLPTQQSVLSLRDRGLRER	
UniRef90_UPI00015CE340 UniRef90_J9CY30	VIDAAETAKENGQEGKWVFTLHNPSVMPFLQYADRDLRQQ	
UniRef90_C1N0E1 UniRef90_M3U4K2	WMFTLDAPSYMAVRSHKNRDLREK LTDELQAAAQAKELDGWLVTLEFPSYYAVMYADDRALREE	
UniRef90_UPI0002F7F383 UniRef90_UPI0003193FB2	LKSAA EERKVDGWVLVNTRSVMQPVLENTNRALREK	
UniRef90_A2BQ74 UniRef90_F0R4M0	E A A A O T A O E K C K T C W T E T II I I A P S E IVIP E M V S A R R D II IR K K	
UniRef90_G1XWY5 UniRef90_B0UM11	VPLQNTTQQPALSSDDRDTRQA GHVITLARSLTEPFLFSTRRDLRER LSDGDLAAAADAAKARKLLALQNTTQQPVLASKDRQLRAE	
UniRef90_UPI00039D02FA UniRef90_UPI00046A7773 UniRef90_F0C2A2	KEGYLISLVNTTRQPLLSSEDRGLREK TLQNTTQQPVLASKDRQLRAE	
UniRef90_U5D120 UniRef90_UFI0003623C60	P D A E V R K Q	
UniRef90_K9YF72 UniRef90_B9FQJ9	EENA <u>TAEKGPWVITLDFPSFVPFLHSQRRDLREK</u>	
UniRef90_W2BS76 UniRef90_Q12IZ4	LVVAG RNESSLEVAGKTVELINTTGQPILELYDREDREH KTGYMITLVNTTTQPLLSSENRELRQK	
UniRef90_R6X8N7 UniRef90_E0XQC3	E Q F G L P V S S Y T S E M T S C E D R N R R E L A A A A Q Q K G L E G Y R V T L Q A P H V L A L T Y A T D R A L R E Q	
UniRef90_E1GVI3 UniRef90_Q07X24	LIDIALEAAKERNLDGWVFTLDMPSYSPFIYCKDRELRKE KTGYMITLVNTTTQPLLSSKNRDVRKQ	
UniRef90_T0QM46 UniRef90_UPI00034CDAA9	ADGHEGATALEGPWKLSLDMPVYLPVLYCTNRALRET WRITLDFPSFGPFLYSTRRDLRET	
UniRef90_W4PFY3 UniRef90_R5RVT4	N M Q R H F K S	
UniRef90_I4VKZ0 UniRef90_I4ZAW7 UniRef90_K7VWP9	HELEG WVFTLD MPSYSPFIY CKDRALRKE	
UniRef90_K7VWP9 UniRef90_D1W1P1 UniRef90_Q5FP26	R D A A A H T A K E R N L Q G WVF T L D A P S Y S P F M Y S T Q R D L R Q Q WV I P L Q N T T Q Q P A L S S T D R E T R Q A	
UniRef90_UPI000415A455 UniRef90_UPI000371E231	S D R A LL R E K WV VIT LT L F T G H P Y L S S T S R P S R E R	
UniRef90_F8JDX4 UniRef90_U4UE67	VIT LARSSVEGFLYSARRDLREQ	
UniRef90_D8G1Z6 UniRef90_F9D6K5	WRITLDFPSYGPFMQSTRRDLREK GWVFTLDYPSYSPFLYSTQRELRRQ	
UniRef90_UPI00042AFA80 UniRef90_B8C2N7	WMI T L D A P S F I S V M Q H A N R A L R E E A R Q A A L D R N K T E P S D A H V I T L G R S M V E P F L Y A S R R D L R Q K	
UniRef90_A6H0S5 UniRef90_UPI00042A038B	L Q N I I Q Q P L L Q S K N R A I R E K L S D S T D R R N A G D K D G W L I P L E L P S Q S L L Q L T N A D L R A R	
UniRef90_UPI0004125BF7 UniRef90_UPI0002882ED1	IQQPDLVSMKSKDARKK	
UniRef90_N9WFU4 UniRef90_R5C2M3	WALK NTRSSAQPVLQNTNRALREK AAETARQQGMEGK WVFTLQNPSVMPFLQYADRTLREQ	
UniRef90_UPI0003659BDF UniRef90_B9R9Q2	SDDE V RK T	
UniRef90_W4GMQ2 UniRef90_F6HCS7	A D G H P G A T A D A G P W K L S L D M P C L L P V L Y A A N R D L R E S H K D A T A E N G P W L L T L D G P S F L S V M Q H Q N R S L R K E	

UniRef90_V2QH40 UniRef90_A1RI43	250 260 270 280 V Y K A Y M T R A E N N S P V E E I L K L K H E K A N M L G Y E N V S R L A C L G Y E N W A S A N R G L G Y E N W A S A N R G L G Y E N W A S A N R G L G Y E N W A S A N R G G T A S L A G L R A E R A A L G Y E N W A S A N R G T A S T A S T A T T T T T T T T
UniRef90_UPI0003690199 UniRef90_U1KQ99	I WKASANRGLTGENETASLVSRLAQLRAERAALLGYENWALWEASQSTGVQEGRDNRPLVREILKLRREQARLLGFRDFAVWRASAERGLAGENNNREIVAQLAQLRAKKAALLGYQSWA
UniRef90_UPI0001D2E32C UniRef90_A1B3E3	A F R A F A G R G E S G G D T N R A V I A E I L R L R E E R A K L L G F D N F A A W R A W C A R G S G Q G A D N R P I A A E I L Q L R H E R A R L L G Y A D F A V F R S A R G N R G N D N D N T E V L T R I V R L R A E R A A L L G Y P H H A
UniRef90_C7MV65 UniRef90_V7EGL8	IVIERSII IARGNRGNDNDNTEIVIITRII VIRII IRAERAAII I IGYPHHA
UniRef90_UPI0002F42331 UniRef90_G6AII0	A Y E A WVA R GANGGATNRA I A A E I LALREERAKL LGYGSFALYKAYMTRASSGELDNNPI I ERVLELRQELAELLGYKTYALYMAHNTLCIKDNDTNNKVCQRLINLRREMAQLLGYDTYA
UniRef90_UPI00029A5B1F UniRef90_H2IPJ3	L Y E A SI N R A E K D A N D T R E L I A K L A K V R A E Q A R V L G F P S Y A
UniRef90_UPI000237C2AD UniRef90_R6FSA7	I F E N M R A Q H G D E N D T R D I I K R I A M I R A E Q A Q L L G F K N Y A L Y M A R N E G T H D N T E N N L E I C K R L V N L R R E I A Q L L G Y E T Y A
UniRef90_J1KS06 UniRef90_K9FH50	AFDIFVKRGNKNENDTNATLVSILKILRAEKAKI LGFKNFA
UniRef90_B8CE50 UniRef90_UPI0004776417	
UniRef90_UPI0004249C70 UniRef90_F5IUW8	II IWKASAII IRGSGNTAI NRPII VIKOMAOJI IRAFKAOJI I IGYDNWO
UniRef90_R5LN45 UniRef90_D7JCR2	MY MAHNTVCH DNTENNLETCKRL VNL RRETAQL L GFKTYA
UniRef90_UPI00036DA168 UniRef90_UPI0003700258	L WRAF WMR GDNNAND I NAII LAR MVAL REERAKL LIGAES HA
UniRef90_UPI00047681B6	A WRAWTARAGGAKTDNRPILAAEII LIALIRHERATILLIGYADFA
UniRef90_D2AN46 UniRef90_D3EQX2	VYKAF ISRAS VGK INNEPLIESI IKI RKEQAEI I GYQS YA
UniRef90_E4TGL9 UniRef90_UPI00041B8ACB	MFKAYFERAPQ NSALIEEILKLRKDKANLLGFKNFA
UniRef90_T0QAE3 UniRef90_I0Z2L6	LY MAYNTKCTKD NEFNTEI VKDL VNTRMQLAQLLGYKSYALYRANATKASLAPHDNTQIINETLRLRQERAKLLGFASYAFYRAFLTRASSGENDNTPLIERTLALKREQAQLLGYPNYAVFTASTKRAAK
UniRef90_Q3IEU4 UniRef90_UPI0003B40825	IVIY TAYIVIN RGDNGENDI NATII IANII LIKILIRQQRAEIL LIGFET HA
UniRef90_A3U7I3 UniRef90_R6IC95	M Y R E Y M S I V I G N K D E F D N K D II I I K K I V I N I I R I L I E II I A Q I L I M G F K N Y A
UniRef90_Q1IZT5 UniRef90_F4R109	1V W K A K R G D D D A N D K S T T A R T V A T R C D R A R T T G F G N F A R T T T T T T T T T
UniRef90_E8U9H4 UniRef90_UPI00035C5617	LTRAYNRTGLGEGRDNRDLLPEILLQLRQERAQLLGYRDFA AFRAWASRGETGGATNRALLAEILRILREERARLNGFANFA
UniRef90_E6SV71 UniRef90_B5JMD8	LYMAYNTK <mark>O</mark> THNNECNNEVVKRIANIHMETAQLLGYTNFA ISEEAALIGLKGDWDNSELIREILKLRQEKAELLGKANFA
UniRef90_D5UFB4 UniRef90_UPI00015CE340	I SEEAALIGLKGDWDNSELIREI LKLRQEKAELLGKANFA VMRASLTRGAGGQHDTRTALLGLVRLRAERAQLLGFEHHA AYLQGNSV PHANLAVLDKLIAARHELAQIMGYKSYA
UniRef90_J9CY30 UniRef90_C1N0E1	MFEAYTNRGNQNNNDNKAVVRQLIQARLEKARLMGQPNYAVYRAYLARASEFMGDNAPLIEKILSLRKEKAKLLGYDTFAVYAAYATRASEQQFDNGPVMEELLDLRQELARLLGYANYL
UniRef90_M3U4K2 UniRef90_UPI0002F7F383	V Y A A Y A T R A S E Q Q F D N G P V ME E L L D L R Q E L A R L L G Y A N Y L V F R A W A S R G E N G G E T N G P L I R D I L Q L R E E R A K L L G F E T F A
UniRef90_UPI0003193FB2 UniRef90_A2BQ74	VWRSYVMRGDNNDNDTNATI AQI LKLRQQRAELLGFKTHA
UniRef90_F0R4M0 UniRef90_G1XWY5	L Y LA Y N T Q C H E N G Q N N L G L V N V R M Q L A Q L L G Y T D F A L F E R G W T R A E K D A N D T R A T I S D L A N L R A Q K A K L L G F P N Y A A Y T A W L R R G E N G G E T N R A L L A E T L Q L R A E R A R L L G Y P N F A
UniRef90_B0UM11 UniRef90_UPI00039D02FA	AYTAWÜRRĞENGĞETNRALI AETLOL RAERARLLĞYPNFA VLKASETRAEKDANDTRQTI QRLAQLRAQKAKLLĞFDSYA
UniRef90_UPI00046A7773 UniRef90_F0C2A2	WQTSANRA MASNGPIVIKQAQLRAEKAKLLGYETWA VIKASETRAEKDANDTRQTIQRIAQLRAQKAKLLGFDSYA
UniRef90_U5D120 UniRef90_UPI0003623C60	A Y I V I G N S I V I P K A N I I I G V I I V I I D K I I I A A R H F II I A F I I I I G Y K S Y A
UniRef90_UP10003623C60 UniRef90_K9YF72 UniRef90_B9FQJ9	I F K S I S R G N N G N D Y D N K A V I A Q I V A L R A R R A A L L G Y P N H A V Y R A F I T R A S S G E L D N Q P I I Q R I L T L R K E K A H L L G F E N Y A
UniRef90_W2BS76	VYL VGNSEPRENITVLGKLINARDELAKTMGCKSYGIFKASLARGKTGGSDVRELIIKTAKLRLERAKLLGFRNHALWETSAYRA MDTNAPLNIKIAQLRAEKAALLGFKDWAAMFKAYSSRGNNGNEYDNLCLELLKLRAEKARLLGFDNFA
UniRef90_Q12IZ4 UniRef90_R6X8N7	AMFKAYSSRGNGNEYDNLCLELLKLRAEKARLLGFRDWA
UniRef90_E0XQC3 UniRef90_E1GVI3	VWRGYNRRAADENP SRIVGMLALRQEKATLLGYSDFA IYMARNTICKDNKENNFDVCKQLVNVRREMAQLLGYKTYA LWETSAYRA MDTNAPLNIKLAQLRAQKAKLLGYPTWA
UniRef90_Q07X24 UniRef90_T0QM46	L Y R A N S S K A S A D P F D N V A I I N E I L R L R Q E K A K L L G F A I F A
UniRef90_UPI00034CDAA9 UniRef90_W4PFY3	VYKAYLITRASSGELDNSALIDRI LELLRREQAQL LIGFNSYA LYIAYNTK <mark>C</mark> HDNEYNNLEL VKEI VNTRMEI AQL LIGYDNFA
UniRef90_R5RVT4 UniRef90_I4VKZ0	LYIAYNTKCHDNEYNNLEIVKEIVNTRMEIAQLLGYDNFA MYLEYNRRATSGENDNSQTVRRIAELRLKIAGILGYETWA LYEASWNRAEKGGDDTRDTLERLAQIRAQEAQLLGYPNYA
UniRef90_I4ZAW7 UniRef90_K7VWP9	I F M A R N T I C T K D N E E N N E I C K R L V N L R R E M A Q L L G Y E T Y A H W
UniRef90_D1W1P1 UniRef90_Q5FP26	MY MARNT VIGHONPENNLKICQQL VNLRREIAQLLGYDT Y A LFEQSWTRAEKDENDTRATIAELAELRAQKAALEGYPNFA
UniRef90_UPI000415A455 UniRef90_UPI000371E231	L F E Q S WT R A E K D E N D T R A T I A E L A E L R A Q K A A L F G Y P N F A V W H A F V Q R G D N N A N D T N A L I A K I V K L R A D R A K L L G Y G S H A L A A S R S R G S R G N A H D N R A T L L E I V R L R A E R A A L L G Y E S H A
UniRef90_F8JDX4 UniRef90_U4UE67	AFNAWISRGARAGDTNRQIVAEAVALRGEYARL MGFKSYA MDQIKQNESLG LYKAFMSRASSGELNNWPLIDRI LELRKEKAAL LGFSSYA
UniRef90_D8G1Z6 UniRef90_F9D6K5	MYMARNTE <mark>CHDNAFNNII IRII I<mark>C</mark>II IRII VINII IRREII IAOII I IGYD<mark>C</mark>FA</mark>
UniRef90_UPI00042AFA80 UniRef90_B8C2N7	
UniRef90_A6H0S5 UniRef90_UPI00042A038B	T F K S W S R A O K N D D G D T R F IV I I F K M A R II IRII IO K A N II IM G K K S F A
UniRef90_UPI0004125BF7 UniRef90_UPI0002882ED1	I LE Q S LA R G T G D G N D N R P I L L R E I K L R A E R A E L L G F D S H A I F K S S W T R A E K N D D D S R E V L E Q M A K L R L Q K A K L M G K K N F A L F E Q W I R A E K S D A N D T R E T L L T L V K K R A E K A K L M G F D N F A
UniRef90_N9WFU4 UniRef90_R5C2M3	VWRAFUNRGDNDANDTNATIAELIKERQARAELEGFKTHA
UniRef90_UPI0003659BDF UniRef90_B9R9Q2	L F E Q WI R A E K S D A N D T R E T L L T L V K K R A E K A K L M G F D N F A V W R A F V N R G D N D A N D T N A T I A E I L K L R Q A R A E L L G F K T H A I F K A Y T N R G N N N D A D N K A V V R E L L E A R L E K A R L M G Y E D Y A V W R T Y Y N R G D N D E H D N N A I I T E I L E L R D E R V A L L G Y D N Y A A Y L K G N S V P H A N I K V L D K L I A A R H E L A Q L M G Y K S Y A L Y R A N V A K A G L A P F D N L E I V R E T L Q L R Q E R A K M L G F S S Y A
UniRef90_B9R9Q2 UniRef90_W4GMQ2 UniRef90_F6HCS7	LYRANVAKA GLAPFONIEI VERETLI GLRGERAK MLGFSSYA VYYAYVTRASSGDLDNTEI I GQLLKLRLEKAKLLGYSNYA
OUNTERSU_FONCO/	V Y Y A Y V T R A S S G D L D N T E I I G Q L L K L R L E K A K L L G Y S N Y A

UniRef90_V2QH40 UniRef90_A1RI43	290 300 310 320 E MR N E T M S C P D E A L A F L R N L S K K G K K M A E K E L K D F A K N K G T Y R L A P Q M T P E A V Y S M F G S M V P A V V A N T Q K I Q A M L T K T G G
UniRef90_UPI0003690199 UniRef90_U1KQ99 UniRef90_UPI0001D2E32C UniRef90_A1B3E3	DYVLEDRMAGEVPLKFLRDLETRTRPAFERLDAFYRQHAGHYGLDAGWDAGAGAGALAQRVGDHYGLDAQMTPTAVYDMFASMVKNVEAEAQAINDKIRATGGAYKLDDTMTPAAVRELLDRVWEPALAAAKELQALAQRVGDSYKLEPEMTAENVEALLTEVWAAAKARADADAAQLTGMLHAYAKTADAALDMLHRLAPAAVANAKAEAQELVEEITRSGE
UniRef90_C7MV65 UniRef90_V7EGL8 UniRef90_UPI0002F42331	EVISILIA SKMA PEAVIEKIL LEELIR QASYDAAKELIEDILIKA FAAS
UniRef90_G6AII0 UniRef90_UPI00029A5B1F UniRef90_H2IPJ3	E WNL K D Q M A N N F M A E L V P A I V A K A E K E A E E I Q K V I K Q K G G
UniRef90_UPI000237C2AD UniRef90_R6FSA7 UniRef90_J1KS06 UniRef90_K9FH50	E WNLK D Q M A N Q F M A D L V P A T V A K A K K E A E D L Q Q M L Y R Q G E D Y V H R M A S N A E N V Y K L L N D L L D A Y K P T A V E E V K A L E R E A K E W S L S N K M D P Q K T L D L M R S V W K P A V E K V K N D V S A M Q K M G G N L S L A R K M V E E L M E E L R S A S Y D A A V K E L Q D L F A L A H N A S T
UniRef90_B8CE50 UniRef90_UPI0004776417 UniRef90_UPI0004249C70	EMSLASKMAPESVANLSNLILEKALPAAQKELAEATELAN SWKLQDQMVEEFFARLVPSATAKARGEAAEIQALIDKQNG SMAAKPEAAQQMURDIVPAVVSNVEAEMAEIJAKVJEAEGG
UniRef90_F5IUW8 UniRef90_R5LN45 UniRef90_D7JCR2 UniRef90_UPI00036DA168	EYVLKNRMNARNVYKLLDDLIDAYKPEVEDIEKLAKKTEG DEFLIDNSKTPDNVYKLMPAALKKAKSEVVEMOKLIDROKG
UniRef90_UPI0003700258 UniRef90_UPI00047681B6 UniRef90_D2AN46	SYKLEPEMNAGNVEALLKQVWTPAKARAEADAARFTQMLH EYVLKNRMNEAAVFGLLDRLAEAFTPTAHQELEDAKMERK ENSLFTKMTPEQVLELLNKLLEKSLPQAKKELNELRRFAE
UniRef90_D3EQX2 UniRef90_E4TGL9 UniRef90_UPI00041B8ACB	E M S L S K K M A S D V E S V E E V L E E L R F V A A Q E E L K S L K T F M F K E L S T K T A K D P E K V L N F L K N L G E K T K P Y L N Q D L E K L K E E L G D Y K E R M A E N S K N V Y K L L D Q L L D A Y T P T A K A E Y N E V Q E L A K
UniRef90_T0QAE3 UniRef90_I0Z2L6 UniRef90_Q3IEU4 UniRef90_UPI0003B40825	DYKERMAENSKNVYKLLDQLLDAYTPTAKAEYNEVQELAK ELSLATKMAPDDVNRMHNELRAK <mark>C</mark> RPILNQLAAYAAQHGQ EVSLASKMATEELRGASYDAAVREMDEVKAFATENGFTGE SYVMRMAQTTENVYDLAPKAVEKAKIEAAAIQKVINDSGE DYRMADTMAPERAMDLMMQVWPAAVARVKEEVADMQAIAD
UniRef90_A3U7I3 UniRef90_R6IC95 UniRef90_Q1IZT5	E Y AL E H T M N S A N V Y K L L N Q L L E A Y K P I A N E Y N A V E G F A L G D Y V L E D R M N G E R A L A F E R D L E A R V R P F F E R L E A F Y R Q Q V G
UniRef90_F4R109 UniRef90_E8U9H4 UniRef90_UPI00035C5617 UniRef90_E6SV71	E WRMQDTMTPAAAMDLMQRVWAPAKARVAEEVADMKALAG DLVTEDRMSGERAKTFLQDLEARTRPAFERLEAYYRARAG AYKLDDTMAKRELLDRVWAPALAAAKAERDDLQALAERDG EYQERMAQDSDTVYKLLNQLLDTYTPAAKQEYAEVQALAQ
UniRef90_B5JMD8 UniRef90_D5UFB4 UniRef90_UPI00015CE340	DQV LQRRMAKEQALAFTQELYEKSKQEFEDLEAFVAEQTG AYVAAAQAVEEMLARLAPAAVANARTEAVDLERALQADHP FFAVRPNMSPEVVMSFLEFMSKMIRPKADFFFDFKKARTG
UniRef90_J9CY30 UniRef90_C1N0E1 UniRef90_M3U4K2 UniRef90_UPI0002F7F383	S F A T R M A K Q P E A V Y E L L D Q I W K P A L K K A K E E L A D L Q A E L K D V S M A K K M A T D R A E A L L E D I R A K A R P A A E R E L E E F A K E Q G S L A T K M A E S S D Q V L G F L R D L A V R S K P F A Q R E L R A F A A E Q G D Y K L D D T M T P A A V R D L L A R V W T P A L A R A A Q L Q A L V D K E G A
UniRef90_UPI0003193FB2 UniRef90_A2BQ74 UniRef90_F0R4M0	HILIR M D D T M A K D P M M K IV W P A A IV A R IV K Q E V A D M Q A IV A D K E G A ELL SI S T K M A K E N IV E N L L E ELL R E P A E K A A K E T L D K E S K A N G
UniRef90_G1XWY5 UniRef90_B0UM11 UniRef90_UPI00039D02FA UniRef90_UPI00046A7773	DYRKRMAENSRNVYRLLDQLLEAYTPTARKEVELARETEG QMAVTPDAAEGFMKRMVPALAAEQKREAAEIQAQIKKDGQ AFADTMAETPEAALALLRDVWAPARARAAALQGLIRDEGG AYSLGDQMTPDQALKLLTDTVPAATGKARREIGEMQKVIG DYALADQMNPDAVFALLDDIAPKAVTKAKDIQAQIKASG
UniRef90_F0C2A2 UniRef90_U5D120 UniRef90_UPI0003623C60	A Y S L G D Q M T P A A A L K L L T D T V P A A T A K A R R E V A E M Q K V I G E F A T F P N M S S E V V M S F L H E L S E R A D E E L H K L R E F K R K L C G A Y A D E T A R T T E A V N G M L G R L A P A A V A N A R R M Q K L L D R Q H G
UniRef90_K9YF72 UniRef90_B9FQJ9 UniRef90_W2BS76 UniRef90_Q12IZ4	A Y S L G D Q M T P D Q A L K L L T D T V P A A T G K A R R E I G E M Q K V I G D Y A L A D Q M N P D A V F A I L D D L A P K A V T K A K K D I Q A Q I K A S G A Y S L G D Q M T P A A A L K L L T D T V P A A T A K A R R E V A E M Q K V I G E F A T F P N M S S E V V M S F L H E L S E R A D E E L H K I R E F K R K I C G A Y A D E T A R T T E A V N G M L G R L A P A A V A N A R R M Q K L I D R Q H G R L S L A R K M A P E A V E K L L E E L R Q A S Y D A A H E E L K A F A K S K G D F A I R P N M S V D V V M S F L K D V R H K A G E E F K R I Q D F K R N V C N E Y V A D E G T A A T V E A L T E V L Q Q A I P A A E R Y Q N E F E K L F P S Y S V A N Q M T P E A V Y S I L D D L A P K A L A K A K D I Q A E I K K D G K A Y Q L D N K M D P A T V D A F L D R I I G P A V A K A K E E V A D M Q V I M D D Y V L E E R M T G A A A R T F V D G L A T R T R D A F A R E L S A H A A A M G D Y V M K Y R M A A E N V Y K M L N D L I E A Y K P T A I K E E A E K E K E G Q A Y S L G D Q M N P E A V Y D L A P K A L V K A K I E A A D I Q A E I V IK D G K
UniRef90_R6X8N7 UniRef90_E0XQC3 UniRef90_E1GVI3	A Y QL D N K M D P A T V D A F L D R I I G P A V A K A K E E V A D M Q V I M D D Y V L E E R M T G A A A R T F V D G L A T R T R D A F A R E L S A H A A A M G D Y V M K Y R M A A E N V Y K M L N D L I E A Y K P T A L K E E A E K E K E G Q
UniRef90_Q07X24 UniRef90_T0QM46 UniRef90_UPI00034CDAA9 UniRef90_W4PFY3	A Y S L G D Q M N P E A V Y D L A P K A L V K A K I E A A D I Q A E I V K D G K E L S L A K K M A P E A V E Q M T N E L H A K C F T I A E S E L N A Y A A T H G E L S L A S K M A P E A V G E L L E E L R V A S Y D A A Q D L A D L K A F A A S A Y K L E D R M N S E A V Y K L L E Q L L E A Y T P A A Q K E Y T L A R E T E G D Y V L E E N M T R K T V N D F L E S L M T P S L P F A E K D F R Q I A Q E H G A W K L D D Q M N P A T V M K F M A Q L T P A A V A R A K T E A A D L Q K Q D D D V M M P A T V M K F M A Q L T P A A V A R A K T E A A D L Q K Q D D D D D D D D D D D D D D D D D
UniRef90_R5RVT4 UniRef90_I4VKZ0 UniRef90_I4ZAW7	DYVLEENMTRKTVNDFLESLMTPSLPFAEKDFRQIAQEHG AWKLDDQMNPATVMKFMAQLTPAAVARAKTEAADIQKQID DYVMKYRMAAENVYKLFDNLLEAYKPTAMKERDEKEQEGE
UniRef90_K7VWP9 UniRef90_D1W1P1 UniRef90_Q5FP26 UniRef90_UPI000415A455	D Y V M K Y R M A A E N V Y K L F D N L L E A Y K P T A M K E R D E K E Q E G E D I G F W A E R Q R E E K F A F T A E E L L P Y F P L L D G L F G L V K R L F G D Y K H R M A S D T D R V Y Q L L N D L I E A Y K P T A M Q L E L A R R L E G A Y T L Y D Q M T P E A A E N F M Q Q L V P A T V A E Q K R L Q K A L R K D G G D W R M Q D T M T P A K A M E L M M R V W P S A V A R V H E E V A D M A A K D G A Y I T S D E T A G S P A A V H S L L R E A V P A A R N A V R E Q Q K L Q A
UniRef90_UPI000371E231 UniRef90_F8JDX4 UniRef90_U4UE67	A Y I T S D E T A G S P A A W H S L L R E A W P A A R N A W R E Q Q K L Q A E F S L Q D T M V D E L L R A V W A K A I V R A K G E R D L L A A E A Q N A G D H G P L A S W D V P Y Y T Q T A K K E W F K V S S K E Y S P Y F S L G A C M D G E L S L A S K M A P E A V E A L L E E L R G A S Y D A A K D L E N L K A F A A E
UniRef90_D8G1Z6 UniRef90_F9D6K5 UniRef90_UPl00042AFA80 UniRef90_B8C2N7	ELSLASKMAPEAVEAL LEELRGASYDAAKDLENLKAFAAE DYKHRMAGDTAHVYKL LNDL LAAYKPTAVQEVMARKMEGD EVSMATNKAEEL LEKLRSASWNAAVQDVEDLKDYSKSALE DYQFEDTMTPENAVKL LSDVWAKAKDAANREREMLEAFLT
UniRef90_A6H0S5 UniRef90_UPI00042A038B UniRef90_UPI0004125BF7	E W R L Q D Q M L P A N A M N L L A K A V E K A K A E A Q E I Q N L I D T Q K G D Y A G S A A A A R K L L T D L G P A A A A N A E G E Y K R L L D L A D E N I G E W K Q Q D Q M T P E R A M N L L A E I A A P A V A K A K E I Q D L I D A Q N G
UniRef90_UPI0002882ED1 UniRef90_N9WFU4 UniRef90_R5C2M3	
UniRef90_UPI0003659BDF UniRef90_B9R9Q2 UniRef90_W4GMQ2 UniRef90_F6HCS7	D Y R M A D T M T P A N A M A L M M K V W P A A V A R V H E E V A D M Q A I A D S L A T R M A K T P D K V Y A L L D Q I WE P A L A K A K E E L K D I Q A E I K Q W R N R M A Q T P E R A M D L M E A V W E A S V A R V H E E V A A M Q E V A D E F M V K P N S S P K V V T S F L N E M S Q L V R P K A D K E F N F K K Q K C G E L S L A S K M A P D M T E S L R L K C I D L A R Q E F K D L H E Y A T Q H G H E V S M A T D K A E E L L E K L R S A S W D A A V Q D T E D L K N F S K S Q G A

UniRef90_V2QH40 UniRef90_A1RI43	330 340 350 360 IDKI ESYDTAYALGFDSELFRPFFEKENVVHGLFLFMQKL KFELAPWDWEFYAEKVRQEKYYFEFNRVLEDGVFYTLKEL
UniRef90_UPI0003690199 UniRef90_U1KQ99 UniRef90_UPI0001D2E32C	E D A P A G W D I S Y W A E K Q R Q A E Y D F D E E A L R P Y F P L D R V M N G D F E L A A W D W L Y Y A D Q V R Q D K F D L D E S E V K A Y F E F D R V L E E N L D I A A W D W R F Y A E R L R E E H Y A L D Q T A L R P Y F S L D A M I A A
UniRef90_A1B3E3 UniRef90_C7MV65 UniRef90_V7EGL8 UniRef90_UPI0002F42331	E N A L E P WD WR F Y A E R R R K A E H D L D E A E V K P Y L T L E A M L G A D H P L E P WD WA F Y A E R V R K R R F E V D D A E L R P Y F E L D T V L R D A D P L E P WD WR Y Y S E K R R M A E H D L D E A A A M F G C A S R L F G L E K D D L K H WD F S F WA E R Q R E E K F A F E E L R P Y F P D G K A S V WH E
UniRef90_G6AII0 UniRef90_UPI00029A5B1F UniRef90_H2IPJ3	D D K MMP WD VA Y Y S H Q L K MR K Y T F K E N K D I P V Y H P D V R P Y E D F E L K P WD WN Y Y S E M V R K A K Y D L D E S E I K P Y K L Y G L R F E E G F K V A A WD WQ H Y A Q Q V R K E K Y D L D D A Q L K P Y F E L N N V L E E
UniRef90_UPI000237C2AD UniRef90_R6FSA7 UniRef90_J1KS06 UniRef90_K9FH50	N F K L Q P Y D W N Y Y A E M V R K A R Y D L D E N E L K P Y F E L N R V L E E Q T E M E P W D F S F Y S H K L Q M R E Y T F K E S T D L Q V Y H P D V K A Y E N F K T Q P W D Y R F Y A E K V R K A K Y D L D Q L E N L R E G M F W T A G E L A N D L K Q W D L P F W A E R M R E K E F D L N D E A L R P Y F P L P Q V L N G
UniRef90_B8CE50 UniRef90_UPI0004776417 UniRef90_UPI0004249C70	DHPLEPWDWAFYAERVRKRRFEVDDAELRPYFELDTVLRDADPLEPWDWRYYSEKRRMAEHDLDEAAAMFGCASRLFGLEKDDLKHWDFSFWAERQREEKFAFEELRPYFPDGKASVWHEDDKHWDFSFWAERQREEKFAFEELRPYFPDGKASVWHEDDKHWPWDVAYYSHQLKMRKYTFKENKDIPVYHPDVYRPYEDFELKPWDWNYYSEMVRKAKYDLDESEIKPYKLYGIRFEEGFKVAAAWDWQHYAQQVRKEKYDLDDAQIKPYFELNNVLEENFKLQPYDLWAYAEMVRKARYDLDENEIKPYFELNNVLEENFKLQPYDWNYYAEMVRKARYDLDENEIKPYFELNRVLEEQTEMEPWDFSFYSHKLQMREYTFKESTDIQVYHPDVKAYENFKTQPWDYRFYAEKVRKAKYDLDDAQLENLREGMFWTAGELANDLKQWDIPFWAERMREKEFDLNDEALRPYFPLPQVLNGGEKLQPWDTSFWVERLKEKTFDLKEEETRPYLALGPVLNGGFKLQPWDWNYYAEQVRKEKYNLDENEIKPYFELNKVLEEDFEVKPWDWNYYAEQVRKEKYNLDENEIKPYFELNKVLEE
UniRef90_F5IUW8 UniRef90_R5LN45 UniRef90_D7JCR2 UniRef90_UPI00036DA168	K D K E S W D W A Y Y A E K L R K E K Y P Y F K A D N V R E G V F A V A N K L K D K V M P W D F S Y Y S H K L Q L K K L T F K E N K D I Q V Y H P D V K A Y E G F K L Q P W D W A Y Y A E K L R K E K Y D Y F K M E N V R Q G V F D C A S K L L T K V E P W D W R Y Y A E Q V R K Q R F A L D E G A V K Q Y L L L D N M V A A
UniRef90_UPI0003700258 UniRef90_UPI00047681B6 UniRef90_D2AN46 UniRef90_D3EQX2	A D A L E P WD WR F Y A E R R R K A E H D L D E A A V K P Y L T L D A MI G A P F D L Q P WD WS Y Y A D K L K D N R F P Y F E L E N V K K G L F G L A A D L VD A L Q P WD S A Y Y S E K L K K A K F D F T E E L R E Y F P L E K V Q D G N F D L E P WD I S Y WI E E Q R K L L F D F T N E E L R V Y F S L E K V L E G
UniRef90_E4TGL9 UniRef90_UPl00041B8ACB UniRef90_T0QAE3	LGDLKPYNRRRELELKEDELRRFFEQKRTVEGLIDFVSEF EFRLMPWDWSYYSDQLKNKKFPYFELSNVKEGVFGLATRL TTPLALWDPYFPLPKVLEGLFDLDASVETWHDDVQFFNVR
UniRef90_I0Z2L6 UniRef90_Q3IEU4 UniRef90_UPI0003B40825 UniRef90_A3U7I3	LLHWDVSFWAERL REAKFNITDEQLRPYFDGLFKLAGEL SFELKPWDWAFYAEKVRAEKYPYFELQSVIHNGLFPVYHE KETIQPWDYRFYAEKVRKDKYDLDQNEIKPYFQLSKMIEG IDQLQKWDGAYYTEKLKKQSFSLDDEEKISEKLFNLTFEE
UniRef90_R6IC95 UniRef90_Q1IZT5 UniRef90_F4R109 UniRef90_E8U9H4	SFELKPWDWAFYAEKVRAEKYPYFELQSVIHNGLFPVYHE KETIQPWDYRFYAEKVRAEKYPYFELQSVIHNGLFPVYHE KETIQPWDYRFYAEKVRKDKYDLDQNEIKPYFQLSKMIEG IDQLQKWDGAYYTEKLKKQSFSLDDEEKISEKLFNLTFEE TEKEMPWDWSYYSEKLRDIRITFKENKKIPVYHPEVDAYE PDPLEAWDLAYWAEKQRQARYDFDELFEIVRRTFGLTVRE HD IEPWDYLYYAEKVRKAKYPYFELHAVRAASFYMAERL ADAPQPWDVTYWAEKQRAELYDFDEEELRPYFQVDSVLSG ANAIGAADWRHYAERVRKERYDLDQAELRPYFQLDQMIAA QQQGMPWDWAYYSHKLKDKKYNFDDEALRPYFPLDGVING
UniRef90_UPI00035C5617 UniRef90_E6SV71 UniRef90_B5JMD8	A NAI GA A D WR H Y A E R V R K E R Y D L D Q A E L R P Y F Q L D Q MI A A Q Q Q G M P W D W A Y Y S H K L K D R K F N I D D E M L R P Y F E L N K V K E E K P K E E P W D W A Y W S E K L R V S K Y D F D D E A L R P Y F P L D G V L N G
UniRef90_D5UFB4 UniRef90_UPI00015CE340 UniRef90_J9CY30 UniRef90_C1N0E1	K P K E E P W D V A Y W S E K L R V S K Y D F D D E A L R P Y F P I D G V L N G G A T L E P W D W A Y Y A G R V R Q E R R S L D E A A D L V G Y H P D V R V Y E Q E D L E P W D E A Y F V A S Y F P L H Q C I E G L K V L V E S L F G A W H P D K D T A E G W D W R Y Y A D R A K R A K F N L D E N E E N V R D G M F Y L A K R A P E A M Q W D V G Y W S E R L R E A K Y P Y F Q L P A V I D G M F D L A S K L
UniRef90_M3U4K2 UniRef90_UPI0002F7F383 UniRef90_UPI0003193FB2 UniRef90_A2BQ74	VQDLQSWDTGYFAEKLRQQRYSLSQEEVRAWFPVDKVLSGNFSVAAHDWRYYAERVRKDLYDLDQASLRPYFQLDKIVAAGLKIEPWDYRFYSEKVRKAKYDLDQNEIKPYFQLSKMIQGFPKIEPWDLSYWSELLRKEKFNLDQELNDVLKGLFKLSEK
UniRef90_F0R4M0 UniRef90_G1XWY5 UniRef90_B0UM11 UniRef90_UP100039D02FA	A D K L M P W D F A Y Y A N K L R Q R K Y P Y F E L S H V I K G V F G L A T R L D F A L K P W D W D K Y A E Q V R K A K Y D L D E G A L K P Y F E L H T V L E E N F A L A P W D W R H Y A E K L R R A E H D L D E G E D T A S R L F G L R F A E G F K L A A S D W D F Y A E Q V R K A K Y D L D E S Q I K P Y F E L D N V V Y E A D E L Q P W D W A F Y A E Q V R K A K Y D L D E S Q I K P Y F E L D N V V Y E G F K L A A S D W D F Y A E Q V R K A K Y D L D E S Q I K P Y F E L D N V V Y E G D G V E P W D E A Y L T G M M K S S T Y D L D S S V I A S Y F S L P Y C L H G G F A L A A W D W A Y Y A E K V R K A R Y D F D E A Q G V F Y A A H R L Y G L D A D D L K H W D I Q Y W A E R Q R E E K F A F E E L R P Y F P D G E A P V W H E F K K L F P W D E D Y F L G M M K S A V H N I D V S
UniRef90_UPI00046A7773 UniRef90_F0C2A2 UniRef90_U5D120	A D E L Q P W D W A F Y A E Q V R K A K Y D L D E S Q I K P Y F E F N P V W Q E G F K L A A S D W D F Y A E Q V R K A K Y D L D E S Q I K P Y F E L D N V V Y E G D G V E P W D E A Y L T G M M K S S T Y D L D S S V L A S Y F S L P Y C L H G
UniRef90_UPI0003623C60 UniRef90_K9YF72 UniRef90_B9FQJ9 UniRef90_W2BS76	GFALAAWDWAYYAEKVRKARYDFDEAQGVFYAAHRLYGLD ADDLKHWDLQYWAERQREEKFAFEELRPYFPDGEAPVWHE EKKLEPWDEDYFLGMMKSAVHNLDVS VVAAYFPLSQ <mark>C</mark> GEKFEAWDWQWYAVSDEILKPYLLEFERLLNDGIFAQANEL
UniRef90_Q12IZ4 UniRef90_R6X8N7 UniRef90_E0XQC3 UniRef90_E1GVI3	EKKLEPWDEDYFIGMMKSAVHNLDVS VVAAYFPLSQCGEKFEAWDWQWYAVSDEILKPYLEFERLLNDGIFAQANELDFKLEAWDWAYYGDKVRQAKYDLDENHVKPYFEFDVLAYEDRIEPWDWFYYAEKVRQRKYSLDEMENVRNGIFFAANKLLPDLQPWDVGFVSENLRRARFDLDEEELRPYFSFERVRDGSFEMQPWDVAYYSHQLQLKKYNFDENKDIPVYHPDVKPYE
UniRef90_Q07X24 UniRef90_T0QM46 UniRef90_UPI00034CDAA9	VEPLANWDVPFWTEKMRLELYSLDDEALKPYFPLHKVLDG
UniRef90_W4PFY3 UniRef90_R5RVT4 UniRef90_I4VKZ0 UniRef90_I4ZAW7	S D F V M P W D W S Y Y S H K L K D R K L T F K E N P E L P V Y H P D V D A Y E Q D R L M P W D F S Y W S E K Y K E A E Y S L N D G Q L K P Y K L Y G L S F E E Q D K L Q P W D W E F Y A E Q V R K A K Y D L D E N Q L K P Y F E L N N V I P V N F E M M A W D S A Y Y S H Q L Q L K K Y T F K E N K D L P V Y H P D V K P Y E
UniRef90_K7VWP9 UniRef90_D1W1P1 UniRef90_Q5FP26 UniRef90_UPI000415A455	V TVTPADGQAPIWHED VRYFQIADKYGEPIAYFYLD NEEMQPWDTAYYSHKDAEMLRPYFQLENVIKGVFGLATRL KFDLKPWDWKHYSDQVRRAKYTFQQRTDIPVYQPDVMVFE
UniRef90_UPI000371E231 UniRef90_F8JDX4 UniRef90_U4UE67 UniRef90_D8G1Z6	VKTLEPWDYRFYQEKVRKAKYPYFELNNIVKGMFWKFTEN I VEAHDWAFYTEKVRAAEYDLPWFEAERVLQDGYGITFTE NSEI MPWDWRYYSEKVRQAKYDFDESKLQPYLELDHMIRA LNMLFQSLYGIQLTEVSPGECWFTDVYKLVDETEGLLGYI AQDLKHWDLSFWAERQREEKFAFEELRPYFPAAVWHEDVR
UniRef90_F9D6K5 UniRef90_UPl00042AFA80 UniRef90_B8C2N7	A D N L S H WD L N F WS E R L R E S K Y N L N E E E L R P Y F S F S K V M D G F O G L O P W D W R Y Y A F K V R V A K F D F N F N F M K P Y F S L D A V T T A
UniRef90_A6H0S5 UniRef90_UPI00042A038B UniRef90_UPI0004125BF7 UniRef90_UPI0002882ED1	GFKLEPWDWNFYSEQVRKAKYDLDESQIKPYFELLISVLEE AADWPYWRKYFPLDRNLLYGITVEPRDDLDGYAPGTRVWE GFKLEPWDWDFYSEQVRKAKYDLDESQVKPYFELDVVAYE PFTLTDWDYYAFKIRFFKYAINONFIKPYFFRKDIPVWOF
UniRef90_N9WFU4 UniRef90_R5C2M3 UniRef90_UPI0003659BDF	A E T E P WD Y R F Y A E K V R K A K Y D L D E S E V K P Y L Q L D K L R D A
UniRef90_B9R9Q2 UniRef90_W4GMQ2 UniRef90_F6HCS7	A E T I A P WD Y R Y Y A E K V R Q R D Y D L N S E E V M Q Y L Q L D N L V E A K K D L E P WD E A H Y V A S Y F P L A Q C I E G L K V L V N S L F G P M A P W T D E L K H W D V G Y W A E K R R A D L F D L D D E A V K P Y F P L P K V L D G V D D L S H W D L N F W S E R L R E S K Y D I N E E E L R P Y F S L P K V M G G

UniRef90_V2QH40	370 380 390 400 FN N F Q E V F A R L Y L D L E A R P E K R G G A WMN N WH T G R A F I V A
UniRef90_A1RI43 UniRef90_UPI0003690199 UniRef90_U1KQ99	Y G V T L K P M F D L F Y A D Y F A R E G K R G G A WMS S F V G Q K P V V V N M F D L V T R L F A S F Y T D W F P R D T K R S G A WM N G L L T G G P R M C G V F D A D G T S L A L F M A D Y F A R E G K R G G A WMS S F V K Q R P V V V N
UniRef90_UPI0001D2E32C UniRef90_A1B3E3	A F H V A E R L F G L R F V D Y F A R P S K R G G A W M S E F R G Q E P I V V N V F D T A Q R L F G N G W H D Y Y A R P G K R S G A W C S S L Q Q Q H K V N V C
UniRef90_C7MV65 UniRef90_V7EGL8 UniRef90 UPI0002F42331	Y GI T F Q E R H D L P T Y H Y Y A R E S K R G G A WMN G L L G K R P V V V N F R E L A G P F Y H R G W E D Y F A R S S K R S G A W C S A M R D Q R P I V V N D V R Y F Q L A N E A G W M D V C I N R G K F T E N G S A K T R L P V A Y L V C
UniRef90_G6AII0 UniRef90_UPI00029A5B1F	IVIY D K D G S YII IAIV I IYIVID F H P R K G K R D G A WM T F F Q G Q H A SII VIM
UniRef90_H2IPJ3 UniRef90_UPI000237C2AD UniRef90_R6FSA7	RHDIPVYSDDMRYTDFYKRDNKSGGAWMSEIVGQKPVIYNVFDKDGKSMALFYADYYQRDNKGGGAWMSNYVDQKPVIYNLFNEDGSAIGLFYTDYFKRDNKSGGAWMSEIVGQKPVIYNVFDKDGSFLAVFYADFHPRKGKQGGAWMTEFQGQHVSVVM
UniRef90_J1KS06 UniRef90_K9FH50	FNLGFKQLFNVPYFDPYARTGKRSGAWMNSHRDQQPILVSN
UniRef90_B8CE50 UniRef90_UPI0004776417 UniRef90_UPI0004249C70	MFGLVERIFASFYLDPYSRPDKRGGAWMADCMGKSSYLTCVFDKDNSSFALFYCDYYKRDNKSGGAWMSNMVGTKPVIYNVKDVDGESLGLFYGDWFNRDGKRGGAWMSSFVSQKPVILN
UniRef90_F5IUW8 UniRef90_R5LN45	Y G [
UniRef90_D7JCR2 UniRef90_UPI00036DA168 UniRef90_UPI0003700258	YGIGFEPIKDILYTDYYPRDSKRGGAWMNNFRDQEIVNVG LFDTTNKLYGIFYADWFARPTKRPGAWMNSLRDQNPIVVN VFDTAQRLFAVFLGDYYARPSKRSGAWCSSLQQQHRVNVC YFDENGDFLSVLYTDFHPRDGKRSGAWMTSFKEQHVSIVM
UniRef90_UPI0003700238 UniRef90_UPI00047681B6 UniRef90_D2AN46	YFDENGDFLSVLYTDFHPRDGKRSGAWMTSFKEQHVSIVM LFKILKQFFKNDQ <mark>C</mark> DFFARD <u>N</u> KRGGAWMDD <u>SR</u> NPVAYV <u>N</u> C
UniRef90_D3EQX2 UniRef90_E4TGL9	LFKI LKQFFKNDQCDFFARDNKRGGAWMDDSRNPVAYVNC LFDLTKRIFAYFYLDPYSRPIKRGGAWMSDCIGRVAYLIC FGLEFVNVVEDTWHPLEARFGKRDGAWMNEWLTRYKFIVA YGITFRKFLAVLYTDFHPRAGKRAGAWMTSFKGQHITLVM
UniRef90_UPI00041B8ACB UniRef90_T0QAE3 UniRef90_I0Z2L6	RADGAKELLASFFLDPYARPAKNGGAWMNTCVGRVAYLIC
UniRef90_Q3IEU4 UniRef90_UPI0003B40825	DVTTFEVFNADGYMDPYAREGKRGGAWMSGLKNTKPVTYN MFDAAGRLYDLDYMDPYARTGKRSGAWATTYRSQQSSNNN
UniRef90_A3U7I3 UniRef90_R6IC95 UniRef90_Q1IZT5	VY DADGKFLALLY T DFF PRDGKQSGA WMN NIKA QQL V L VM YYDIFDEALASFY T DWF PRDT KRAGA WMN GL VIT GGPRMCG
UniRef90_F4R109 UniRef90_E8U9H4	DVTTFEVFNADGYMDPYAREGKRGGAWMDEVVGQSPVAHM DVTTFEVFNADGYMDPYAREGKRGGAWMSGLKNTKPVLYN MFDAAGRLYDLDYMDPYARTGKRSGAWATTYRSQQSSNNN VFNIEKYHEDVKYADFHPRSGKRPGAWMTSFKSQHISNVC VYDADGKFLALLYTDFFPRDGKQSGAWMNNIKAQQLVLVM YYDIFDEALASFYTDWFPRDTKRAGAWMNGLVTGGPRMCG YGFVFKQLPKGTVSTFEPRPGKRSGAWMNTTYRGSKPLAS MFEVARRVFASFYTDWFPRNNKRGGAWMNAFVTGGPSMCG AFHVAKRLFGLSFVDYFARPSKRGGAWMSEFRGQEPLIVN VFDKGAFRVFGYFYADWHPREFKRGGAWMNYNDTGMPOPDG
UniRef90_UPI00035C5617 UniRef90_E6SV71 UniRef90_B5JMD8	WF DKDDKFLAVFYTDFHPRASKRGGAWMSEFRGQEPII VN WFDKDDKFLAVFYTDFHPRASKRSGAWMTSYKGQHISLVM MFRIAFRVEGYFYADWHPRFFKRGGAWMNYIDTGMPOPDG
UniRef90_D5UFB4 UniRef90_UPI00015CE340	MFRIAERVFGYFYADWHPREEKRGGAWMNYLDTGMPQPDG VFDADGAGLGLFLGDFWTRPAKRGGAWMNSLVDQQPVVVN VLKMSLHHPEEGYLDLCSRKDKYPGCAHFALKGGRSRSSS
UniRef90_J9CY30 UniRef90_C1N0E1 UniRef90_M3U4K2	LYGISFTALNNVYMDFFPRASKRGGAWC GTYRSQTYIVC FGVVVEPADGEFYLDPYTRPAKRGGAWMDDVVGRSAHMVC LFATVQKLYGIEIAELRD FE
UniRef90_UPI0002F7F383 UniRef90_UPI0003193FB2	A F S
UniRef90_A2BQ74 UniRef90_F0R4M0 UniRef90_G1XWY5	LFEIKNKKI ASFYLDPYSRPSKRGGAWMDECLNKNAYLVC YGITFKEYLAVLYADFHPRAGKKSGAWMTSYKEQHVSVTM VIDKDGSALGLMYFDYFKRDNKSGGAWMSNFVGTKPVVYN LAEVPRYHPDVRAWEVRDRDGKRSGAWMSAFRSQEPIIVN
UniRef90_B0UM11 UniRef90_UPI00039D02FA	LAEVPRYHPDVRAWEVRDRDGKRSGAWMSAFRSQEPIIVN VFDADGKSLALFYTDYFKRDSKSGGAWMGNFVEQDVYNVC
UniRef90_UPI00046A7773 UniRef90_F0C2A2 UniRef90_U5D120	VFDADGKSLALFYTDYFKRDSKSGGAWMGNFVEQDVYNVCDVRAWEVFNEDGYLDPYARVGKNGGAWMDE YVTQSFLLDVFDADGTSMALFYTDYFKRDSKSGGAWMDGLTGAKPVVYN
UniRef90_UPI0003623C60 UniRef90_K9YF72	LQVMVN SLFGYMYLDLYSRNGKYPGCAHFALKGGRQLSEM FKERKDLPVYHPDVRVFERDAKRGGAWMNEFVSQKPVVVN DVRYFRIQIAHFYLDPFSRPAKRGGAWMDECLNRRAYLTC
UniRef90_B9FQJ9 UniRef90_W2BS76 UniRef90_Q12IZ4	LKGLNVLVESLFGATFHQLPMGDGESWHPDVPDELVALVC YGLTFKQLEQEGYVDPYARPSKQGGAWMNDLVDKLPVVTL VFNQDGSTLGLFYLDAYAREGKSGGAWMDELVSQKPVVYN
UniRef90_R6X8N7 UniRef90_E0XQC3	MFQLVKDLYGSFYADFFPRESKRGGAWMINFREQRPIVIN
UniRef90_E1GVI3 UniRef90_Q07X24 UniRef90_T0QM46	V Y D E D G S Y L A V L Y V D F F P R K G K R D G A WMT E Y Q G Q H A S L V M I F N K D G S S I G L F Y L D M Y A R P G K R G G A WMD F L K N T K P V V Y N L F A L A S R L F A R F F L D S F A R P A K R G G A WMN S A V G R V A Y L I C I F D L A G E A I A H F Y L D P Y S R P A K R G G A WMG E C I N R V A Y L T C
UniRef90_UPI00034CDAA9 UniRef90_W4PFY3	I F D L A G E A I A H F Y L D P Y S R P A K R G G A WM G E C L N R V A Y L T C V F D K N G D F L A V L Y T D F H P R V G K R S G A WM T N Y K E Q H I S I V M R H D I S V Y H K D V K Y A D F F P R E S K R G G A WM T E F R G Q R I S I V T
UniRef90_R5RVT4 UniRef90_I4VKZ0 UniRef90_I4ZAW7	YQPDVRVFLALFY <mark>C</mark> DYFKRDNKGGGAWMDNFVGQK <u>PV</u> IYN VYDEDGSYLAVLYVDF <u>HP</u> RKGK <u>R</u> DGAW <u>M</u> TE <u>YQGQH</u> TSLVM
UniRef90_K7VWP9 UniRef90_D1W1P1 UniRef90_Q5FP26	Y GII IT F K E N K DII IKIVIY H F F P R K G K Q S G A WMT E F Q G Q H A SII VIM
UniRef90_UPI000415A455 UniRef90_UPI000371E231	VHDKDGSPLGLMYFDYFKRDNKSGGAWMSNFVGQKPVIYN TGKVPVFQPDVRYLDTYARQGKRSGAWATTYRSRARLLNN RHDLQGYHPDTRVFEVYTRDTKRGGAWMNSLRGTAPIVVN
UniRef90_F8JDX4 UniRef90_U4UE67 UniRef90_D8G1Z6	A F D T A T K L F G L K F K D Y F A R A T K R S G A WMS S F R S Q H P L L L N Y C D L Y R T G K P N Q D C H F T L R G G K Q L P D G S Y Q S P L V P P R WS S Y F O L A D N A L A Y F Y L D P Y S R P A K R G G A WMD F C L V R V A Y L V P
UniRef90_F9D6K5 UniRef90_UPI00042AFA80	V F D N D G S F L A V F Y A D F H P R A G K Q G G A WMT E F Q G Q H P H V S V L F N L A K T L F A Y F Y F D P Y S R P S K R E G A WMD E V V S R S H V L S S
UniRef90_B8C2N7 UniRef90_A6H0S5 UniRef90_UPI00042A038B	V F D V S S K L F G L K Y T K S E Y R T Q K K N L A P G T D P I E A L P I V S N V F D N D A K S I A I Y Y L D F Y T R D N K N G G A WM N N F V S Q S H Y L K Q V K D S D D S G L G L L V T D F F A R S T K R G G A WM S S F V D Q K P V V V N
UniRef90_UPI0004125BF7 UniRef90_UPI0002882ED1	V F D N D G K S M A L Y Y L D F Y T R D N K K G G A WM N S L V K Q S H Y L K Y DV K V Y F V F N F D G Y A D Y Y O R D S K R G G A WM S N L V G O V L Y N V G
UniRef90_N9WFU4 UniRef90_R5C2M3 UniRef90_UPI0003659BDF	M F R L Y D L G F R E N Y L D N F A R D G K R S G A WM T T Y R S E Q A S N N N F A Q V F F C L D K D G Y F D F F P R A S K R G G A W C G S Y Y D K H G N L V C
UniRef90_B9R9Q2 UniRef90_W4GMQ2	MHYVAGELFGFDFVALEPRQGKRSGAWANTFRSYDSFNNSHPDVLKMAFHHPYLDLYSRKGKYPGCANFAIKGGCSRSSSLFQLTERLFASFFLDPYARPSKNGGAWMNTCVNRVAYLIC
UniRef90_F6HCS7	L F S L A K M L F A Y F Y F D P Y S R P S K R G G A W M D G T K A R L P L A H M

```
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
                                                                        UniRef90_UPI0003690199
UniRef90_UTKQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_UPI0002F42331
UniRef90_UPI0002F42331
 UniRef90_G6AII0
 UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
 UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
 UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
 UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_UP10003/00258
UniRef90_UP10003/00258
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UP100041B8ACB
UniRef90_T0QAE3
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_Q3IEU4
UniRef90_Q3IEU4
UniRef90_Q1IZT5
UniRef90_R6IC95
UniRef90_Q1IZT5
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UP100035C5617
UniRef90_B5JMD8
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UP100015CE340
UniRef90_UPC330
UniRef90_UPC330
UniRef90_UNDE1
UniRef90_UND002F7F383
                                                                                                                                                                          UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
                                                                                                                                                                      UniRef90_B0UM11
 UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
Unikef90_UPI00046A7773
Unikef90_UPI00046A7773
Unikef90_UPI00046A7773
Unikef90_USD120
Unikef90_USD120
Unikef90_K9YF72
Unikef90_W2BS76
Unikef90_W2BS76
Unikef90_Q12IZ4
Unikef90_R6X8N7
Unikef90_E1GVI3
Unikef90_E1GVI3
Unikef90_UPI00034CDAA9
Unikef90_UPI00034CDAA9
Unikef90_UPI00034CDAA9
Unikef90_W4PFY3
Unikef90_W4PFY3
Unikef90_W4PFY3
Unikef90_I4VKZ0
Unikef90_I4ZAW7
Unikef90_I4ZAW7
Unikef90_I4ZAW7
Unikef90_USFP26
UniRef90_UFP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
 UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
 UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
 UniRef90_UPI0002882ED1
UniRef90_N9WFU4
 UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
```

UniRef90_F6HCS7

	450 460 470 480
UniRef90_V2QH40	
UniRef90_A1RI43 UniRef90_UPI0003690199	VEFPSTFEEDWAAHPKVLYAKHYETGKPLPDELLQKLKSG VELPSQLMENWVAERDALHWQTGEPLPADLFERMTRARNF
UniRef90_U1KQ99	
UniRef90_UPI0001D2E32C	V E L P S Q L Y E H W L E P Q I E F A R H A A T G E P M P E D M L E R I A R S
UniRef90_A1B3E3 UniRef90_C7MV65	VELPSQLFEHWVLDRHARHAETGAPLPADLRDRI LAAGNA VEFPSQVNEMWVLWPEVLANYAKHHREPLPQRLVERLKES
UniRef90_V7EGL8	VELPSQLYEHWVLEEHARHWQTGEAMPADMRDRLLAAGTY
UniRef90_UPI0002F42331 UniRef90_G6AII0	VELPSQLYEHWVLEEHARHWQTGEAMPADMRDRLLAAGTY VELPSQFMENWCYDRMAKHYETGETLPEHYYQKLLAAKNY VELPSQFMENFEKDFLRTFAFHYETGEPMPDELIEKLIAS
UniRef90_UPI00029A5B1F	IVIEILIPS QII IN E H WENNY AIVIH Y E L GEPMPK EIL VID KIV VI KAS
UniRef90_H2IPJ3 UniRef90_UPI000237C2AD	VEFPSQFNEHWASDHFAKHYKTGEVMPQALQDKIE KAS VEFPSQFNEHWVFNNYAKHYKTGEPMPQTLVDKVVN AS
UniRef90_R6FSA7	IVIEILIPS OF MENY SIVIEKEEILIEAEHYKT GEPMPD DILLIERIL VIRS
UniRef90_J1KS06	VEFPSQEMENWCYDRMARHFETGEPLPEADYQKLLAARNF
UniRef90_K9FH50 UniRef90_B8CE50	IVIEILIPS OF MENW <mark>C</mark> YDYET GEPILIPEEMEEKILIK OOK TEGAGMM
UniRef90_UPI0004776417	IVIE E P S O E N E H WAII ID P A IVIE H V K T G OII IM P A A II VIE K II IK K A A
UniRef90_UPI0004249C70 UniRef90_F5IUW8	VEFPSTFQEDWTLNPKVKHYETGEQIPQELLDKVMAAKNF VELPSQVMEHWAFEPEVLYAKHYETGKVIPDELIQKIQNA
UniRef90_R5LN45	V E L PSQFMENYS V EKEF L FAFHYQTGEP L PDE LI DR IV KS
UniRef90_D7JCR2 UniRef90_UPI00036DA168	VEMPSQINENWAFQPEVLKTYAKHYKTEVIPDSLVRKINT VEFPSQVYEHWVTEPYARNAAGEPMPEAMLQALLTSRTFN
UniRef90_UPI0003700258	
UniRef90_UPI00047681B6 UniRef90_D2AN46	VELPSHIMENWQKEYLDKFAFHYQTGEKMPEELLQKIVAS IELPSQFMENF <mark>C</mark> WCAVISGSRDGKVLSSKQIDKLVGTRHF
UniRef90_D3EQX2	V E V P
UniRef90_E4TGL9 UniRef90_UPI00041B8ACB	VEFPSQFLENFAFDEKVLDFYTGERIGLDIVNKIKKERSF VELPSQLMENFEKDFLSTFAKHYQTGELIPDTLVQRIIDS
UniRef90_T0QAE3	V E L PSQFMENF <mark>C</mark> YNA <u> </u> SGHYETDEP L PAE L FEK <mark>C</mark> DARKY
UniRef90_I0Z2L6	VELPSQFMENWCYNRFARHYETGEPLPEDLYQKLVAARTF
UniRef90_Q3IEU4 UniRef90_UPI0003B40825	VEFPSQANEDWMIEPTVLANYAKHYKQDLLNKMLESQKFN VEYPSQVNENWLLTPYILHYQTGEPIPQELVDKIEA <u>S</u> SK <u>F</u>
UniRef90_A3U7I3	V E L P
UniRef90_R6IC95 UniRef90_Q1IZT5	VELPSQIMENWFLDQIAVHYQTGEKIPQEMIQSLVNASNF VELPSQIMENWEREALDLFARHYQTGERLPDELFDRLVNA
UniRef90_F4R109	
UniRef90_E8U9H4 UniRef90_UPI00035C5617	VELPSQIMENWTWDKFARHFETGDVIPQALYDKMLRARNF VELPSQLYEHWLLEPEILFARHAETGAPMPEELLERIQKS
UniRef90_E6SV71	
UniRef90_B5JMD8 UniRef90_D5UFB4	IVIEILIPS QILIMEN WCWD Q FARHYET D FAILIPQDILIEFK MIVIA ARNE
UniRef90_UPI00015CE340	A E T P S N L F E Y Y A W D Y R V K F A R H Y S T G E V I P E K L V E S M Q G A
UniRef90_J9CY30	IVIEILIPS QII IN E H WIVIE E P E M K H Y E T G E IVI I P A SII I I E K M D K S G
UniRef90_C1N0E1 UniRef90_M3U4K2	VELPSQFMENWCWEPEGLHYETGEPLPQELLDKMLAAKNF
UniRef90_UPI0002F7F383	IVIEILIPS QILIY E H WIL LIE PAIVIE FAILIHAKT GEPMPDDIL LIARII IAAS
UniRef90_UPI0003193FB2 UniRef90_A2BQ74	VELPSQFMENW <mark>CFHYKTGEKLSDENFEKLLKNRTFNC</mark> GMA
UniRef90_F0R4M0	IVIEILID S OILIME NEELLIHTE A THVOTGENILID DE WILIDDE IVID A S NE
UniRef90_G1XWY5 UniRef90_B0UM11	VEFPSQFNEHWALDHYAKNYQTGEAMPAELVEKIKKAATF VELPSQLYEHWLEQPQVLRAHARHYREPMPEALLQRLLAA
UniRef90_UPI00039D02FA	IVIEEPS OF NEH WASDEYAKEYOT GEAMPAAIL VIEKII IRKAKTE
UniRef90_UPI00046A7773 UniRef90_F0C2A2	VEFPSQANEDWATDHYAKHYKTGEPIIPQALLEKVRAAATF VEFPSQFNEHWASDPKVKHYQTGAAMPAELVEKIKKAKTF
UniRef90_U5D120	AFT PANIFFYYAWDYRVK HYST GDTI PFKI VASMNGAKRM
UniRef90_UPI0003623C60 UniRef90_K9YF72	VEYPSQFMENWOYHRMAKHYETGEPLPEEYYQKLLAARSM
UniRef90_B9FQJ9	AEMPS NLFEFY A WDY RVK FAVDED PI PEKLVKAL NASRNM
UniRef90_W2BS76 UniRef90_Q12IZ4	A E MP S N L F E F Y A W D Y R V K F A V D E D P I P E K L V K A L N A S R N M V E F P S Q V N E H W A W E P Y A K H W Q S G A Q L P Q E L I Q K L I D G A K F V E F P S Q A N E D W S L E P Q V N Y A K H Y Q T G E A L P A E L L A T V L A Q
UniRef90_R6X8N7	IVIETES DENENWAEDPYAKHYET GEIVTPDSIL VIAKILINNAR
UniRef90_E0XQC3 UniRef90_E1GVI3	VELPSQFMENWOWEREALHHETGEALPKALFEKMTRARTF VELPSQFMENFAVEKDFLHYQTGEPLPDSLIEKITASRNY
UniRef90_Q07X24	IVIE E P S Q A N E D W S II ID P A IVI IY A K H Y Q T G E P II IP A E II I I IG K IVI IK A
UniRef90_T0QM46 UniRef90_UPI00034CDAA9	VELPSQFMENFCYHRGTGHYETNEPLPAELFEKI <mark>C</mark> DARKY VELPSQFMENWCYHRMAKHYETGETLPEHYYDKLLAARTY
UniRef90_W4PFY3	
UniRef90_R5RVT4 UniRef90_I4VKZ0	VELPSQLMENWAFEPAFLFAKDYRTGEVIPGELLERI VNY VEFPSQFNEHWATNHYATNYKTGKPMPKELVEKMKKAGMF
UniRef90_I4ZAW7	IVIEII IPSQEMENEAII IEKDEII IEAEHYQTGEPII IPDEII I IEKII VIAS
UniRef90_K7VWP9 UniRef90_D1W1P1	VELPSQFMENW <mark>C</mark> YDRMAKHYQTGESLPEHYYQKLLAARNT VELPSQFMENYAVEPEFLFAFHYETGE <u>VIPH</u> ELIERLRKS
UniRef90_Q5FP26	IVIE E P S Q E N E N WAII ID H Y A R H Y K T G A P M P K AII VIE KII IR K A A H E
UniRef90_UPI000415A455 UniRef90_UPI000371E231	VEYPSQVNENWVLDKFARHYKTGEPMPEALIKKIEASKFN VEFPSQVNEMWIYWPYARHIDTDEPLPADVVEKLHASEAF
UniRef90_F8JDX4	V E L PSQ L YEHWIVL EKHA L HYKTGKPMPKS L RQR L TAARNF
UniRef90_U4UE67	A E IV IP S II L IM E Y F A S D H F A R H F Q T K Q P M T D A MIL IN R IL I <mark>C</mark> A S K H IL I
UniRef90_D8G1Z6 UniRef90_F9D6K5	VELPSQFMENWCYDRMAKHYETGETLPEHYYQKLLAARNY VEMPSQFMENYAVEKEFLFAFHYESGEPLPDELVDRIVRS
UniRef90_UPI00042AFA80	
UniRef90_B8C2N7 UniRef90_A6H0S5	1V E E P S () N E H A A) P V I H Y () K () P P () E K A E E
UniRef90_UPI00042A038B	V E F P S Q F N E N W A L E P A V L Y A F H V E T G E P I P E E L V A A V K F A
UniRef90_UPI0004125BF7 UniRef90_UPI0002882ED1	VEFPSQINEHAALDPEVLHYKTKEVIPQDLIDKIKKAESF VEFPSQFHEHFAFEPSVKHYKTGEVIPDALVEKMKKAQNF
UniRef90_N9WFU4	VEYPSQVNENWLMTPEVKFATHYKTGEPMPQALVDKLLAS
UniRef90_R5C2M3 UniRef90_UPI0003659BDF	TEFOSOI DERWYLDNYDKHVETGEPDPADI VERIRNASTE
UniRef90_B9R9Q2	<u>A E M P S N L </u>
UniRef90_W4GMQ2 UniRef90_F6HCS7	VELPSQFMENF <mark>C</mark> YHKETLHHETGAPLPEDLYNKLKDARTY VELPSQFMENWCYH
0111176190_F01100 <i>1</i>	IV IEIE II O QI IVIE IV VV <mark>o</mark> I II

```
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_U1KQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPl0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
UniRef90_UPI0004776417
UniRef90_UPI0004249C70
UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI00047681B6
UniRef90_UPI00047681B6
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_UPI00041B8ACB
UniRef90_I0Z2L6
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U713
UniRef90_R6IC95
UniRef90_G1IZT5
UniRef90_F4R109
UniRef90_F4R109
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_E6SV71
UniRef90_E6SV71
UniRef90_E53W18
UniRef90_B5JMD8
UniRef90_D5UFB4
UniRef90_UPl00015CE340
UniRef90_J9CY30
UniRef90_C1N0E1
UniRef90_M3U4K2
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_A2BQ74
UniRef90_F0R4M0
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI00046A7773
UniRef90_UF1000467773
UniRef90_F0C2A2
UniRef90_U5D120
UniRef90_UP10003623C60
UniRef90_K9YF72
UniRef90_K9YF72
UniRef90_B9FQJ9
UniRef90_W2BS76
UniRef90_Q12IZ4
UniRef90_E0XQC3
UniRef90_E1GVI3
UniRef90_E1GVI3
UniRef90_T0QM46
UniRef90_UP100034CDAA9
UniRef90_W4PFY3
UniRef90_K5RVT4
UniRef90_IAVKZ0
UniRef90_IAVKZ0
UniRef90_IAVKZ0
UniRef90_IAVKZ0
UniRef90_IAVKZ0
UniRef90_IAVKZ0
UniRef90_IAVKZ0
UniRef90_IAVKZ0
UniRef90_IAVKZ0
UniRef90_IAVKZ0
UniRef90_IAVKZ0
UniRef90_IAVKZ0
UniRef90_IAVKZ0
UniRef90_IAVKZ0
UniRef90_Q5FP26
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_F8JDX4
UniRef90_U4UE67
UniRef90_D8G1Z6
UniRef90_F9D6K5
UniRef90_UPI00042AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
```

UniRef90_F6HCS7

	530 540 550 560
UniRef90_V2QH40	KETA VI TPPDYVIFENGFGHIFGGGYYYSYKWAEM L SADA
UniRef90_A1RI43 UniRef90_UPI0003690199	LNISAVPPRYKSTYFAHAFPGGYSASYYAYMWSEILAADA YPLAQDYARAAQFGHLFSSPVGYGAGYYSYKWAEVLDADA
UniRef90_U1KQ99	
UniRef90_UPI0001D2E32C UniRef90_A1B3E3	MPQEIVMRHRTPHFTHVFAGDGYSAGYYSYLWAETLDADA APAALPMRHATPHFAHVFSGDGYSSGYYSYMWSEVMDADA
UniRef90_C7MV65	L R K A G V A V D A V P Y R S T Y F A H V F T N G Y Y Y S Y I W S E V L D A D T
UniRef90_V7EGL8	MPHAII IR MRHATPHFAHIVIFSGDGYSSGYYSYMWSEIVIMDADA
UniRef90_UPI0002F42331 UniRef90_G6AII0	KTTTVTPPLPEDAFL <mark>O</mark> AFĠĤTFAĠĠŶYYŚYKWÁEVLSADA <u>W</u> ADAI VGEQMPNTM <u>TVQ</u> FSHLMAGGYYYSY <u>K</u> WAEVLDADA
UniRef90_UPI00029A5B1F	IL IE D QII IP P R Y R S T Y F IL IHIL IW G H G Y A A S Y Y A Y IL IW A E MIL ID N D A
UniRef90_H2IPJ3 UniRef90_UPI000237C2AD	LAKDKVNYVPPRYRSSYFQHIWGNGYYYAYLWTEMLADDA LKNINLDLEQIPYRSSYFLHLWGHGYYYAYLWAEMLDNDA
UniRef90_R6FSA7	WEKAMIVID DTCMTTOESLII IMAGGVAAGVVSVKWAEIVI IDADA
UniRef90_J1KS06 UniRef90_K9FH50	TKTTVLPPLAEDAFL <mark>C</mark> SFGHIFAGGYYYSYFWAEVLSADA
UniRef90_B8CE50	MPSEIVMRHRIPQFAHIFSSDGYAAGYYSYLWADVINADA TKTTVLPPLAEDAFLCSFGHIFAGGYYYSYFWAEVLSADA TPYAKPVAED RFLCGFGHIFAGGYYYSYKWAEVMSADA LQKTHLDLPEVPYRSSYFLHIWGNGYYYAYLWTKMLEEDA VAVEAVPPRYRSNYFAHVFAGGYSAGYYAYMWSEVLAADA
UniRef90_UPI0004776417 UniRef90_UPI0004249C70	VAVE AVPRYRSNYFAHVFAGGYSAGYYAYMWSEVLAADA
UniRef90_F5IUW8 UniRef90_R5LN45	
UniRef90_D7JCR2	KEMGLIDELIPRYRSTYFNHIFNSGYYYAYLWSEMLEKDA
UniRef90_UPI00036DA168 UniRef90_UPI0003700258	LG VPEEVGMRHRLAHFSHLFDGGYYYAYTWAEVMDADG
UniRef90_UPI00047681B6	ARVQLLPVVPETCMSASFSHIFSGGYYYSYKWSEVMDADA
UniRef90_D2AN46 UniRef90_D3EQX2	MVTEQLPDTCMTVQFSHIMAGGYAAGYYSYKWAEVLDADAKEMGLIDEIIPRYRSTYFNHIFNSGYYYAYLWSEMLEKDALG VPEEVGMRHRLAHFSHLFDGGYYYAYTWAEVMDADGAPAAIPMRHATPHFTHVFSGDGYSAGYYSYMWSEVMDADAARVQLLPVVPETCMSASFSHIFSGGYYYSYKWSEVMDADALIKTPSYNKFQNGFSHIFAGGYYYSYKWAEILSSDVTVMKLLPEDAFLCAFSHIFAGGYAAGYYSYKWSEILSADS
UniRef90_E4TGL9	R MLGTLE QPDYAKFQNQFSHIFSGGYYYSYKWAEVLSADL EKAQLLPVVEGTCMSAQFSHIFAGGYYYSYKWAEVLDADA
UniRef90_UPI00041B8ACB UniRef90_T0QAE3	KP II IPED REII ICSESHII IEAGGYAAGYYSYKWAEIVI ISCDA
UniRef90_I0Z2L6	V L P P L P E D R F L C G F S H L F A G G Y Y F S Y K WA E V L S A D A
UniRef90_Q3IEU4 UniRef90_UPI0003B40825	LAYYPVPPRYKSNYFSHTFAGGYSAGYYAYLWTEVFAADA DAIIGMPKEII VMRHRILPQFNHLIFSSDAYSAGYYSYLWS
UniRef90_A3U7I3	KTTKLYPETTDNLMSTSFAHIFQGGYSSGYYWAEVLDADT
UniRef90_R6IC95 UniRef90_Q1IZT5	DAIGMPKED VMRHRLPQFNHLFSSDAYSAGYYSYLWS KTTKLYPETTDNLMSTSFAHIFQGGYSSGYYWAEVLDADT APTVIMPEVPEALMGTSFGHIFSGGYAAGYYWAEVLDADA YSLPADFARIAQFGHLFSSPVGYGAGYYSYKWAEVLDADA MPKEIVMRHRLPQFNHLFTSDAYSAGYYSYLWSEVMDADT
UniRef90_F4R109	MPKEIVMRHRLPQFNHLFTSDAYSAGYYSYLWSEVMDADT
UniRef90_E8U9H4 UniRef90_UPI00035C5617	A RIJS M P F FILL M R H R T P H F T HV F G Y Y S Y K W A F TILD A D A
UniRef90_E6SV71	L P S V E E A <mark>C</mark> M S T Q F S H F A G G Y Y Y S Y K W A E V L D A D A
UniRef90_B5JMD8 UniRef90_D5UFB4	TTPRSIVRRFGHLFSSPV GYAAGYYSYKWAEVLDADA GVDLPTVPPRYRT TYFNHIFCSGYYYAYIWSE <u>VL</u> DAD <u>T</u>
UniRef90_UPI00015CE340	Y T S W K HIVIE G T H W Q T R F N HIL L IN Y G Y Y S YIL IY A K C F A A T II I
UniRef90_J9CY30 UniRef90_C1N0E1	LGKRGLLKQIPARYRTTYFNHTMG GGYTAGYYSYIWA IMPAIAED RFL <mark>C</mark> GFSHIFAGGYYYSYLWAEVLSADF
UniRef90_M3U4K2	I MPAIAED RFLCGFSHIFAGGYYYSYLWAEVLSADF DELSVVRPPAYNRFPNSFAHLFAGGYYYSYKWAEVLSADA
UniRef90_UPI0002F7F383 UniRef90_UPI0003193FB2	MPPEII MRHRLPHFSHIFSGDGYSAGYYSYLWAETLDADA MPSELV KQTTVIEPIQEDHFLCCFSHIFAGGYYYSYKWAEVLSADA
UniRef90_A2BQ74	K Q T T V I E P I Q E D H F L C C F S H I F A G G Y Y Y S Y K W A E V L S A D A T V P D T C M S V Q F G H I M S G G Y A A G Y Y S Y K W A E V L D A D A
UniRef90_F0R4M0 UniRef90_G1XWY5	KTGLDVDDVPPRYRSSYFLHIWGNGYAAGYY AYLW TLTRIGMPAELS MRHRSPHFAHLFGYYSYLWSEVLDADA
UniRef90_B0UM11 UniRef90_UPI00039D02FA	TLTRIGMPAEIS MRHRSPHFAHIFGYYSYLWSEVLDADA RFKVDLAEVPPRYRSTYFDHIWGGGYYYAYFWSEVLDDDA
UniRef90_UPI00039D02FA	<u>LDYAPVLPRYQSTYFSHVFGGGYSAGYYAYLWTEVFAADA</u>
UniRef90_F0C2A2 UniRef90_U5D120	KVDLAEVPP RYRSSYFDHIWGGGYYYAYFWSEVLDDDA HVE GTHWHTRFSHLINYGYYSYLYAK <mark>C</mark> FAATI
UniRef90_UPI0003623C60	A IL IH D A GIVIDIVIPPRYRSTYFAHIVIFSGGYYYA YII IWSEIVLIDADT
UniRef90_K9YF72 UniRef90_B9FQJ9	RP LPEDAFLCSFGHIFAGGYAAGYYSYKWAEVLSADA CVE GTHWHTRFTHLINYGYYSYLYARCFATTL
UniRef90_W2BS76	GVDFPLIPP RYRSCYFSHIWYAAAYYGYLWSELLDADA
UniRef90_Q12IZ4 UniRef90_R6X8N7	GVDFPLIPP RYRSCYFSHIWYAAAYYGYLWSELLDADAAKHGLDFNPVPARYKTTYFSHSFGGYYYAYLWTEVFAADSCREMGLIDELIPRYRTTYFHIFNSGYYYSYLWAEVLDKDA
UniRef90_E0XQC3	AIVIPPPEDYAMILIASEGHILIESGPAGYYSYKWAEIVLIDADA
UniRef90_E1GVI3 UniRef90_Q07X24	I I G K Q L P E T C M T V Q F S H I M A G G Y S A G Y Y S Y K W A E V L D A D A L D Y G P I A P R Y K T T Y F S H S F G G G Y S A G Y Y A Y L W T E V F A A D S
UniRef90_T0QM46 UniRef90_UPI00034CDAA9	TVLAPL PEDRFLCSFSHIFAGGYSAGYYSYKWAEVLSCDA TILPPLPEDAFLCSFSHIFAGGYAAGYYSYKWAEVLSADA VLPRVNEACMSSQFSHIFSGGYYYSYKWAEVLDADA RVLPYVSGTAISTSFSHIFSGGYYYSYKWAEVLEADA KDGVDLSYVPPRYRSSYFQHIWGNGYYYAYLWTEMLADDA WEKAIIPDTCMTVQFSHIMAGGYSAGYYSYKWAEVLDADA
UniRef90_W4PFY3	VLPRVNEACMSSQFSHUFSGGYYYSYKWAEVLDADA
UniRef90_R5RVT4 UniRef90_I4VKZ0	RIV L IP Y IV IS G T A IL IS T S F S H IL IF S G G Y S A G Y Y S Y K W A E IV L E A D A K D G IV D IL IS Y IV P P R Y R S S Y F O H IL IWG N G Y Y Y A Y IL IWT F M IL A D D A
UniRef90_I4ZAW7	WE KALIPDICMIVQFSHUMAGGYSAGYYSYKWAEVLDADA
UniRef90_K7VWP9 UniRef90_D1W1P1	TVL PPLPEDAFLCAFGHTFEGGYYYSYKWAEVLSADV LLGKQL PNTCMTTQFSHLMAGGYAAGYYSYKWAEVLDADA
UniRef90_Q5FP26	STGII IDIVIA AIVIPPRYRSSYFII I <mark>H</mark> II IWSNGYYYAYII IWTFMII ID ODIVI
UniRef90_UPI000415A455 UniRef90_UPI000371E231	MPKEMVMRHRLPQFGHLFSSDAYSAGYYSYLWSETMDADT DNPAVPTRYSSTYFAHVFSGGYSAGYYSYIWSEVLDADT
UniRef90_F8JDX4	MPKELVMRHRLPHFMHLMSGY AAGYYSYLWSEVMDADA YGLPYVPSTAWQLRFS HLIGYGAKYYSYLVSRAVAYLI KTTTVLPPLPGDSFLCAFGHLFAGGYYYSYKWAEVLSADA WAPALIPDTCMTVQFSHIMAGGYAAGYYSYKWAEVLSADA
UniRef90_U4UE67 UniRef90_D8G1Z6	KTTTVLPPLPGDSFLCAFGHIFAGGYYYSYKWAEVLSADA
UniRef90_F9D6K5	WAPALIPDT CMT VQFSHI MAGGY AAGY YSYK WAEV LDADA
UniRef90_UPI00042AFA80 UniRef90_B8C2N7	QGI I MRHRILPHFILHLFASSSYASGYYVIYMWA
UniRef90_A6H0S5	IL L VIN EIVIP T R Y H T P Y F A HII IWG G G Y S A G Y Y A Y T WS K TIL ID Y NIVI
UniRef90_UPI00042A038B UniRef90_UPI0004125BF7	L A V D N I S P R Y R S T Y F N H I F A G G Y S A G Y Y S Y L WA E A L D A D G L L V N E V P T R Y H S P Y F A H I F S G G Y S A G Y Y A Y T W S K T L D Y N V
UniRef90_UPI0002882ED1	I DI A TVPPRYRSSYESHI FAGGYASGYYSYK WSEMI DEDA
UniRef90_N9WFU4 UniRef90_R5C2M3	LAEIGMPKEIVMRHRLPQFGHLFSSDAYSAGYYSYLWS LGKRKLPSRYRTTYFNHTMGGGYTAGYYSYLWAEVLDCDA
UniRef90_UPI0003659BDF	PEELVMRHRTPHFGHVFSGEGYSAGYYGYMWA HVE GTHWQIRFSHLVNYGYYSYLYAR <mark>C</mark> FAATI
UniRef90_B9R9Q2 UniRef90_W4GMQ2	SVLAPLAEDRFLCSFSHLFAGGYAAGYYSYKWAEVLSCDA
UniRef90_F6HCS7	

```
## A PAPER STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE O
UniRef90_V2QH40
UniRef90_A1RI43
UniRef90_UPI0003690199
UniRef90_UPI0003690199
UniRef90_UTKQ99
UniRef90_UPI0001D2E32C
UniRef90_A1B3E3
UniRef90_C7MV65
UniRef90_V7EGL8
UniRef90_UPI0002F42331
UniRef90_G6AII0
UniRef90_UPI00029A5B1F
UniRef90_UPI00029A5B1F
UniRef90_H2IPJ3
UniRef90_UPI000237C2AD
UniRef90_UPI000237C2AD
UniRef90_R6FSA7
UniRef90_J1KS06
UniRef90_K9FH50
UniRef90_B8CE50
  UniRef90_UPI0004776417
UniRef90_UPI0004249C70
  UniRef90_F5IUW8
UniRef90_R5LN45
UniRef90_D7JCR2
UniRef90_UPI00036DA168
UniRef90_UPI0003700258
UniRef90_UPI0003700258
UniRef90_UPI0003700258
UniRef90_D2AN46
UniRef90_D3EQX2
UniRef90_E4TGL9
UniRef90_UPI00041B8ACB
UniRef90_UPI00041B8ACB
UniRef90_UPI0003B40825
UniRef90_Q3IEU4
UniRef90_UPI0003B40825
UniRef90_A3U713
UniRef90_A3U713
UniRef90_E6C95
UniRef90_Q1IZT5
UniRef90_E8U9H4
UniRef90_UPI00035C5617
UniRef90_B5JMD8
UniRef90_UPI00035C5617
UniRef90_D5UFB4
UniRef90_UPI00015CE340
UniRef90_UPI00015CE340
UniRef90_UPI0002F7F383
UniRef90_UPI0002F7F383
UniRef90_UPI0002F7F383
UniRef90_UPI0003193FB2
UniRef90_UPI0003193FB2
UniRef90_UPI00039D02FA
UniRef90_B0UM11
UniRef90_B0UM11
UniRef90_UPI00039D02FA
UniRef90_UPI0003623C60
UniRef90_UPI0003623C60
UniRef90_UPI0003623C60
UniRef90_UPI0003623C60
UniRef90_UPI0003623C60
UniRef90_UPI0003623C60
UniRef90_UPI00034CDAA9
UniRef90_UPI00034CDAA9
UniRef90_UPI00034CDAA9
UniRef90_UPI000371E231
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_UPI000371E231
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_UPI000415A455
UniRef90_UPI000371E231
UniRef90_UPI000415A455
UniRef90_UPI000415A455
UniRef90_UPI000415A455
UniRef90_UPI000415A455
UniRef90_UPI000442AFA80
UniRef90_B8C2N7
UniRef90_A6H0S5
UniRef90_UPI00042A038B
UniRef90_UPI0004125BF7
UniRef90_UPI0004125BF/
UniRef90_UPI0002882ED1
UniRef90_N9WFU4
UniRef90_R5C2M3
UniRef90_UPI0003659BDF
UniRef90_B9R9Q2
UniRef90_W4GMQ2
UniRef90_F6HCS7
```

610 620 UniRef90_V2QH40 UniRef90_A1RI43 UniRef90_UPI0003690199 RSPSEE P D EALLK VEPL RKPGVEALLKGRGLLAE UniRef90_U1KQ99 UniRef90_UPI0001D2E32C UniRef90_A1B3E3 UniRef90_C7MV65 REP VEALLKGRGLLE TEPL UniRef90_V7EGL8 UniRef90_UPI0002F42331 UniRef90_G6AII0 SEPDIEPMLKHRGLL KAP UniRef90_UPI00029A5B1F UniRef90_H2IPJ3 UniRef90_UPI000237C2AD SEP UniRef90_R6FSA7 UniRef90_J1KS06 UniRef90_K9FH50 REPSTDALLRHRGL UniRef90_B8CE50 P E H D P UniRef90_UPI0004776417 UniRef90_UPI0004249C70 QKPTVDAL UniRef90 F5IUW8 UniRef90_R5LN45 IKPMLQA PE UniRef90_D7JCR2 UniRef90_UPI00036DA168 UniRef90_UPI0003700258 UniRef90_UPI00047681B6 QEPSVEAL UniRef90_D2AN46 UniRef90_D3EQX2 UniRef90_E4TGL9 UniRef90_UPl00041B8ACB UniRef90_UPl00041B8ACB UniRef90_T0QAE3 UniRef90_I0Z2L6 RKPNEDAL REPKTEALLKYSGLLN T D UniRef90_Q3IEU4 UniRef90_UPI0003B40825 UniRef90_A3U7I3 UniRef90_R6IC95 QKPTTDALLKRRGLVD KGLIERA UniRef90_Q1IZT5 UniRef90_F4R109 RDPDAEALLRRSGLVE UniRef90_E8U9H4 UniRef90_UPI00035C5617 V D UniRef90_E6SV71 UniRef90_B5JMD8 UniRef90_D5UFB4 UniRef90_UPI00015CE340 R D P UniRef90_J9CY30 UniRef90_C1N0E1 UniRef90_M3U4K2 R E P S V D A L L R H N G L V R E P S I D A L L R H S G L S E E V E P L UniRef90_UPI0002F7F383 UniRef90_UPI0003193FB2 UniRef90_A2BQ74 UniRef90_F0R4M0 UniRef90_B0UM11 IDPL
KDPSVKAL
QKPTVDALLKRRGLVD
KDPSVKAL UniRef90_UPI00039D02FA UniRef90_UPI00046A7773 UniRef90_F0C2A2 UniRef90_U5D120 UniRef90_UPI0003623C60 UniRef90_K9YF72 I A P L L E T E P L UniRef90_R9FQJ9 UniRef90_W2BS76 UniRef90_Q12IZ4 UniRef90_R6X8N7 UniRef90_E0XQC3 UniRef90_E1GVI3 SKPTTEALLKRRGLVN KKPSTDAL UniRef90_W4PFY3 UniRef90_R5RVT4 QEP UniRef90_I4VKZ0 UniRef90_I4ZAW7 UniRef90_K7VWP9 UniRef90_D1W1P1 REPSTKALLKHNGLLTQ UniRef90_Q5FP26 UniRef90_UPI000415A455 UniRef90_UPI000371E231 UniRef90_F8JDX4 UniRef90_U4UE67 UniRef90_D8G1Z6 MEPTASAFA TKPL KALINEIDH UniRef90_F9D6K5 UniRef90_UPI00042AFA80

> KNPTIDAL RA EAYRAFRGRDPDVKALLER

UniRef90_B8C2N7 UniRef90_A6H0S5 UniRef90_UPI00042A038B UniRef90_UPI0004125BF7

UniRef90_F6HCS7

UniRef90_UPI0002882ED1 UniRef90_N9WFU4 UniRef90_R5C2M3

UniRef90_UPI0003659BDF UniRef90_B9R9Q2 UniRef90_W4GMQ2

```
1
                                                                                                            10
                                                                                                                                                                20
                                                                                                                                                                                                                    30
                                                                                                                                                                                                                                                                         40
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_MINL1
                                                                                                                                                                                                                    PPFDDMDAENE
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_UPI0002F3E7A1
UniRef90_UPI0002F3E7A1
UniRef90_UPI0003F3E7A1
UniRef90_UPI000479DB2D
UniRef90_UPI0003F63E3A
UniRef90_UPI0003FA670E
UniRef90_UPI0003FA670E
UniRef90_UPI0003FA670E
UniRef90_UPI0003FA670E
UniRef90_UPI0003F17267
UniRef90_UPI0003F17267
UniRef90_UPI0003F17267
UniRef90_UPI0003F17267
UniRef90_UPI0003FNS3
UniRef90_UPI0003FNS3
                                                                                                                                                                                                                                                                   Q T
                                                                                                                                                                                                                                             VPAFDK
                                                                                                                                                                                                                                              VENHLR
                                                                                                  TALTGQAQKARPKTTQTVSNSLMKQSTLPFNAP
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_HESS8
                                                                                                                                                                                                                                                              QLR
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_UPI0003047A85
UniRef90 UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
                                                             MKKK<mark>C</mark>FF<u>VLLL</u>T
                                                                                                                                                    IA MTTIQAQNPTPPFNKIKNEH
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
                                                                                                                                                                                                                                                                  LK
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
                                                                                                                                                                                                                                                   DNRLR
                                                                                                                                                                                                              LPPFAEIT DAHV
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90 D8TAC6
UniRef90_U4LIY2
UniRef90_04L172
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
```

		50	60	70	80
UniRef90_R5VZN9 UniRef90_A2CAT8					
UniRef90_V5Z884 UniRef90_UPI0002FAB886					PPD
UniRef90_UPI0003B68EAF UniRef90_A0A023FY90	WDFNV	T P Q F \square H T	RATKIMDEC	RKIFDKVGALO	GDFIT
UniRef90_W1INL1 UniRef90_M5X8L8					PPD
UniRef90_C3J8E7		∏E H	YLPAFEEGL	RQHEAEIDSIA	ANNPET
UniRef90_G1W8Z3 UniRef90_U3P6Y8					
UniRef90_F1R6P4 UniRef90_K9E2X5					
UniRef90_UPI00039F36B6 UniRef90_UPI000409FDFE					
UniRef90_G6XHM9 UniRef90_G6AE13	DESDIN	ENDDALDA	ΛΠΛΕΩΡΛΕΠ	K K 🗌 T D N K Q K P	Т
UniRef90_D1BHV6	DFSKEK				•
UniRef90_W0ERJ9 UniRef90_V8CPP4		EPAFKK	ALEENQKEL	DAI_VNQR	STPT
UniRef90_D8M5X7 UniRef90_UPI00047B466F					
UniRef90_Z9JUJ2 UniRef90_UPI0002F3E7A1					S
UniRef90_F5J3M7 UniRef90_B4RCD5		EHYEP	A [E K [K D H T	M E I N K I I MI R A	A VPT
UniRef90_UPI000479DB2D					
UniRef90_Q494A9 UniRef90_UPI0003663E3A	ADFSK	KNEDFKPA	LLQGMAEQL	VEINKIA DN	SEAPT
UniRef90_W5UC25 UniRef90_UPI0003FA670E	MDLSVLK	PALEWMEK	NLKEVEALA	NNPE	ΑPΤ
UniRef90_H2YA06 UniRef90_R5SED4					
UniRef90_UPI0001FFE0E8 UniRef90_UPI0003F17267	WDLNA	E OLO ALT R	EL MEKTK <mark>H</mark> V	Y D Q V G A Q A F E [NVSYES
UniRef90_K3WHH8 UniRef90_D9RV99	DFSR			A E [[K K []T D N K (
UniRef90_W9RRS3	DFSK	K G L D I L F A	. I_ K A A [_A L Q K	ALIIKKIII DNKC	
UniRef90_I3IAV8 UniRef90_UPI0003C2B103					E
UniRef90_H1XRB0 UniRef90_UPI0003F091C9					
UniRef90_Q7VQU2 UniRef90_R4GJQ2	WDLSA	E O∏E R	MAAFITERT	KLVYDRVGSQE	OGEVS
UniRef90_A9T684 UniRef90_I4ESS8	W D [E] O X	_ <u> </u>		K <u>EV</u> . DK <u>W</u> OOQI	
UniRef90_UPI0003812788 UniRef90_UPI00034B8756					NEAAT
UniRef90_R7L681					
UniRef90_UPI0003682C90 UniRef90_UPI00030F3BB8					
UniRef90_I4VZ16 UniRef90_UPI0003617A35		DADFAP	AFDRGMAEH	LEEIDAIAGN <i>A</i>	AAAPT
UniRef90_K1QVS3 UniRef90_K3WB38		EDETAR	III A K M Q Q V D	D E [] A A [] A G S Q [TFEAT
UniRef90_F1Q5G6 UniRef90_D6DSQ2					A P D
UniRef90_H2MCK5 UniRef90_D5EKQ9					,,,,
UniRef90_E6WXJ5			ALEEGM	RQHLAEVRALA	ADNPET
UniRef90_UPI0001E89154 UniRef90_C4Y5D6					
UniRef90_G8JM10 UniRef90_T0I8A8					
UniRef90_V4CPN6 UniRef90_U2DSY5					
UniRef90_A0Z609 UniRef90_F8WZR6		YEPAITEK	GLAEHQAEL	NKIVMIRA	PPT VPT
UniRef90_H2SB14 UniRef90_E2MXC1		· · · · · · · · · · · · · · · · · · ·		R S H A R E [D T [] A	
UniRef90_A4HG35			LAISLAW	K O II A K L [[] D I [] A	
UniRef90_B9W7U9 UniRef90_UPI000287A64A		- 5 · · · ·	A LIE K O MARKET		N 557
UniRef90_UPI00037011CB UniRef90_F7E621	WDL	SPEQLKP	R T D E L I L Q T	LAEIEQIANNF KEVYDTVGML	N PPI D [] G K [V] T
UniRef90_H2SB17 UniRef90_C0H9W4	WDLT			KKVYD <mark>C</mark> VGALI	
UniRef90_Q0ATE8 UniRef90_C2GK84			GLAAHDKEL		PAT
UniRef90_W7I5V6 UniRef90_Q6FX66			- <u> </u>		// /
UniRef90_E6WCN1					
UniRef90_G7EAJ5 UniRef90_W0HXW3					=
UniRef90_R5G6P1 UniRef90_D8TAC6		EHYKP	A F E A L E Q Q R	A E L K A I V D N	EEKPT
UniRef90_U4LIY2 UniRef90_H1Z634					
UniRef90_J7GC85					
UniRef90_Q6C0X4 UniRef90_UPI00047D7A47					
UniRef90_UPI00047A8B15					

UniRef90_R5VZN9		90	100	110	120
UniRef90_A2CAT8 UniRef90_V5Z884	FANTYQALE	QSGRTLQRVY	NVFSAMTASN	TNDEL QALD	E
UniRef90_UPI0002FAB886 UniRef90_UPI0003B68EAF UniRef90_A0A023FY90	E D S V I K E II A	E A O D MI D N E S	S VII E II D M V IV S	TKKEMPDTSV	_
UniRef90_W1INL1 UniRef90_M5X8L8	FKNTFVALE	K S G A MLT R V M	INVFGAMTSAN	TKKELRDTSA TTNGL QKLN	Ē
UniRef90_C3J8E7 UniRef90_G1W8Z3	F E N T L V A L E L E K G E	KSGRVLNRVS HYYDLLDRVS	SVFFALTSAD NVFSCMLSSE	T N D E L I A I E T N D E L D A L A	E Q
UniRef90_U3P6Y8 UniRef90_F1R6P4	_				
UniRef90_K9E2X5 UniRef90_UPI00039F36B6					
UniRef90_UPI000409FDFE UniRef90_G6XHM9 UniRef90_G6AE13	EVNTLIAVE	D S C K NITE DIVIS	NEVVALVEAD	KT PALEKAQ	
UniRef90_G6AE13 UniRef90_D1BHV6 UniRef90_W0ERJ9				GNDEM MEIS	
UniRef90_V8CPP4 UniRef90_D8M5X7		K O O K III E K K E J	NETO X E		•
UniRef90_UPI00047B466F UniRef90_Z9JUJ2					_
UniRef90_UPI0002F3E7A1 UniRef90_F5J3M7	F H N T I V A L E F E N T I V P L E	R S G E L L S R I E E S G K <u>L L</u> S R V T	SVFFNLLSAE	SNDEM QRIA SNDEMLQIA	Q
UniRef90_B4RCD5 UniRef90_UPI000479DB2D UniRef90_Q494A9					
UniRef90_UPI0003663E3A UniRef90_W5UC25				IT NETLQVVE	
UniRef90_UPI0003FA670E UniRef90_H2YA06	FENTILPME	KSGEELGRVF	EYWG I WSS N	K S S P A F R A 🖂 Q	G
UniRef90_R5SED4 UniRef90_UPI0001FFE0E8		TWO D N D F D		T A O T E A D K K	∃ 0
UniRef90_UPI0003F17267 UniRef90_K3WHH8 UniRef90_D9RV99		R S G K D L E R L S	_	TASTEADKK <u>L</u> KT PENEKAQ	_
UniRef90_W9RRS3 UniRef90_I3IAV8				IPNEAVAEE <mark>C</mark> E	
UniRef90_UPI0003C2B103 UniRef90_H1XRB0	/				
UniRef90_UPI0003F091C9 UniRef90_Q7VQU2					_
UniRef90_R4GJQ2 UniRef90_A9T684	Y E N T L K A L A	DVEVEYTVRR	N MLD F P Q H V S	PCKDIIRAA S	Т
UniRef90_I4ESS8 UniRef90_UPI0003812788 UniRef90_UPI00034B8756	FENTIVAME	KTGAELSRLF	TYYGIWRANK	STPEFRAEIA	Р
UniRef90_R7L681 UniRef90_UPI0003682C90					
UniRef90_UPI00030F3BB8 UniRef90_I4VZ16	FDNTIVALE	KSGQILERTS	TVFFSLVGAD	TNDA RKA <u>I</u> Q	A
UniRef90_UPI0003617A35 UniRef90_K1QVS3	4 O K				^
UniRef90_K3WB38 UniRef90_F1Q5G6 UniRef90_D6DSQ2				I	
UniRef90_H2MCK5 UniRef90_D5EKQ9					_
UniRef90_E6WXJ5 UniRef90_UPI0001E89154	FANTFEALE	RSGELLTRAV	TVFFAMTSAN	IT NPTLQAAE NEQFQKLL	E K
UniRef90_C4Y5D6 UniRef90_G8JM10					
UniRef90_T0I8A8 UniRef90_V4CPN6 UniRef90_U2DSY5					
UniRef90_02D315 UniRef90_A0Z609 UniRef90_F8WZR6	F E N T L V A M E	QSGQLLDRAA ESGKLLSRVT	TVFFGLSSAH	TNDDI EAIQ SNDEM MEIA	
UniRef90_H2SB14 UniRef90_E2MXC1				ATDELEAELA	
UniRef90_A4HG35 UniRef90_B9W7U9			_	 F Q K <u>L</u> Y	
UniRef90_UPI000287A64A UniRef90_UPI00037011CB	FENTIAAME	RAGKPLERVF	T Y WGI WR S N K Y A VE R S ML D	SSPEFREEMS	P
UniRef90_F7E621 UniRef90_H2SB17 UniRef90 C0H9W4	Y E N S L Q A L A			F PQHVSPD TASTDADK <u>K</u> L	
UniRef90_C0H9W4 UniRef90_Q0ATE8 UniRef90_C2GK84	FANTI LELE WENTVEAFF	RAGAPLGRVF RSGALLDRVC	SHWGIWSS N AYIYNVVGTD	MSSPEFRDI Q SNDT REALV	□S □R □A
UniRef90_W7I5V6 UniRef90_Q6FX66					- •
UniRef90_E6WCN1 UniRef90_G7EAJ5					
UniRef90_W0HXW3 UniRef90_R5G6P1 UniRef90_D8TAC6	FQNTLLPYE	DSGALLSRVS	NVFFALSSAD	GTDE KALE	Α
UniRef90_D81AC6 UniRef90_U4LIY2 UniRef90_H1Z634					
UniRef90_J7GC85 UniRef90_Q6C0X4			I L M D A S	VESTMR H DVF	Q
UniRef90_UPI00047D7A47 UniRef90_UPI00047A8B15	<u>D</u> F <u>L</u> E A Q N	E QIIS SLY Q SV			

UniRef90_R5VZN9		130		140	150	160
UniRef90_A2CAT8 UniRef90_V5Z884 UniRef90_UPI0002FAB886	E M S P V M A	ALNDDI	MLNTKE	SLRLVEVT	WQSFELAGARLI	N D
UniRef90_UPI0003B68EAF UniRef90_A0A023FY90	∏S⊺K∏KF	FEVEUE	MRPDITE	F K T T T F K	K D T S S 🗆 T P F M K F	R Y
UniRef90_W1INL1 UniRef90_M5X8L8					K D T S S L T P E M K F Y Q N F E L A G A N L S	
UniRef90_C3J8E7 UniRef90_G1W8Z3	EITPKLS KLSPILT	A H S D A L K H A N D V	Y L N D K L S L N E K H	FERVKAL <mark>H</mark> HRELTPEE	D D L S S L E P E D Q F Q M L L N K S Y D G F [\	R L V R
UniRef90_U3P6Y8 UniRef90_F1R6P4						
UniRef90_K9E2X5 UniRef90_UPI00039F36B6 UniRef90_UPI000409FDFE						
UniRef90_G6XHM9 UniRef90_G6AE13	FIVPIMT	DEENEL	KENOKE	FORYDHFY	T K L T G E D K K L L E	= V
UniRef90_D1BHV6 UniRef90_W0ERJ9					R D Q L D L T P E Q Q 1	
UniRef90_V8CPP4 UniRef90_D8M5X7						
UniRef90_UPI00047B466F UniRef90_Z9JUJ2	DWODKUT	AUCNDU	A		V E N WE TO K E D K I	- I
UniRef90_UPI0002F3E7A1 UniRef90_F5J3M7 UniRef90_B4RCD5	RVQPKLS	AHSNEL	SNLNPE	QIRLVEKT	Y E N W F L S K E D K F Y Q G F E N R G A T L	T G
UniRef90_UPI000479DB2D UniRef90_Q494A9						
UniRef90_UPI0003663E3A UniRef90_W5UC25					Y Q R F E L A G A N L S	
UniRef90_UPI0003FA670E UniRef90_H2YA06	E M A P K L S	E F S S K L	TQNEKL	JF N R L K A L Y	E S D A VK D R P D Q (Q R
UniRef90_R5SED4 UniRef90_UPI0001FFE0E8 UniRef90_UPI0003F17267	EFDVEMS	MBODVV	OPLV	WIOEK	VEKDMLKPEAMF	D V
UniRef90_K3WHH8 UniRef90_D9RV99					V K T L K G E D K K L I	
UniRef90_W9RRS3 UniRef90_I3IAV8					FLE <mark>H</mark> LLRDFKRA	
UniRef90_UPI0003C2B103 UniRef90_H1XRB0						
UniRef90_UPI0003F091C9 UniRef90_Q7VQU2	5 A B K K 🗔 O	N/- M	0.440.00		5 K A 5 O A O K D 5 A I	. D
UniRef90_R4GJQ2 UniRef90_A9T684 UniRef90_I4ESS8	EADKKLS	E F D V E M	SMRQDIV	JY Q R [L_V]W[L]Q	EKAESASKPEAF	ΛK
UniRef90_UPI0003812788 UniRef90_UPI00034B8756	KLSAFYS	KINQNE	QLFKRI	SAVYQSDA[VK A MT P A N Q R L V	V L
UniRef90_R7L681 UniRef90_UPI0003682C90						
UniRef90_UPI00030F3BB8 UniRef90_I4VZ16	DYAPKLA	AHRDAV	SLNPAL	FARIQYDT	R H QLGLD A E GVF	R L
UniRef90_UPI0003617A35 UniRef90_K1QVS3 UniRef90_K3WB38		KEV66D	A EII Q DIV		VQDFERNGLQLE	= =
UniRef90_F1Q5G6 UniRef90_D6DSQ2					Y Q H F V L A G A R L I	
UniRef90_H2MCK5 UniRef90_D5EKQ9						
UniRef90_E6WXJ5 UniRef90_UPI0001E89154	A L A P K L A K S T H A G W	E H S D T [M A Q T T G	HLDPKL EKKWAE	F A R V K Y D Q E A G K A S S E	R D S L G L T E E Q K T F S L F Y A N E D R Y N	T <u>L</u> N Q
UniRef90_C4Y5D6 UniRef90_G8JM10						
UniRef90_T0I8A8 UniRef90_V4CPN6 UniRef90_U2DSY5						
UniRef90_A0Z609 UniRef90_F8WZR6	R M S P Q F A R I Q P K L S	E H G D A I E H S N L E	L L D S Q L S N L T P E	FNRIDYRE QIRLVEKT	RANLSLEPESLE YRGFENSYKELS	R <u>L</u> S T
UniRef90_H2SB14 UniRef90_E2MXC1					AANPDEAKLLL	
UniRef90_A4HG35 UniRef90_B9W7U9	SVKNDSS	LDPESK	RYLEKT	L V S F K R N G	LA LP E E T R E K V I	ΚK
UniRef90_UPI000287A64A UniRef90_UPI00037011CB UniRef90_F7E621	KISAFFT	KITQNA	KLFERV SREDIE	KEVYESDE MSMREDIE	LDNLTEEEQRFA RRLV <mark>H</mark> LQKLKVH	A R
UniRef90_F7E621 UniRef90_H2SB17 UniRef90_C0H9W4	EFDVEMS	MREDVY	Q R T V A L	E R K V D D D T [LT Q E S K Q R N G L	H L
UniRef90_Q0ATE8 UniRef90_C2GK84	EMSGELS EMSPALA	A F S S Q I E H E N A I	T Q N E E E Y Q N E	MATLTPAQ ALYERIQQ	QRVVQLTYDGFA VTPPEAEGERLI	A R K
UniRef90_W7I5V6 UniRef90_Q6FX66	_					
UniRef90_E6WCN1 UniRef90_G7EAJ5						
UniRef90_W0HXW3 UniRef90_R5G6P1 UniRef90_D8TAC6	DVIPMLT	AWEDEL	TFFDR	K V V Y D N E Y	ETLQGEDKKLLK	ΚE
UniRef90_U4LIY2 UniRef90_H1Z634						
UniRef90_J7GC85 UniRef90_Q6C0X4	RVEAVHK	QLDELK	KTLDPE	YIRALEKM	Y K G Y VR S G L G L F	PΕ
UniRef90_UPI00047D7A47 UniRef90_UPI00047A8B15	ELSNYYK				VQYYLSQNELT S	

170 200 180 190 UniRef90_R5VZN9 UniRef90_A2CAT8 UniRef90_V5Z884 E E K T QLK ALN Q E S A TLS T R F S T RLLA A T K A G S A R F N D P Q Q UniRef90_UPI0002FAB886 UniRef90_UPI0003B68EAF LQRLIKLRRMDGLHLEVQKEVKKLKNEINDLGVQFTKH<mark>C</mark>NADKAKLKALNQEAATLSTQFTNKLLAATKNGALAKARLDG UniRef90_A0A023FY90 UniRef90_W1INL1 UniRef90_M5X8L8 VKHYYDNFVQEQLKTLNQKEAALLTDFGNKLTKATNAFIF SGALLDEKGKERLRQLTEEAGMLTLQFSQNLLKETKAFEL UniRef90_C3J8E7 UniRef90_G1W8Z3 UniRef90_U3P6Y8 UniRef90_F1R6P4 UniRef90_K9E2X5 UniRef90_UPI00039F36B6 UniRef90_UPI000409FDFE UniRef90_G6XHM9 UniRef90_G6AE13 VYKSFT<mark>HLL</mark>PKEKMARMQELNKELAKLQQEFGAGNEATVW UniRef90_D1BHV6 UniRef90_W0ERJ9 LKETYESFALSGAELQGADREKYRALSSELSQLTLNFQNV UniRef90 V8CPP4 UniRef90_D8M5X7 UniRef90_UPI00047B466F UniRef90 Z9JUJ2 UniRef90_UPI0002F3E7A1 UniRef90_F5J3M7 LEKTYKSFARNGAALSADKQEFYRQYTTELGSLAATNAFT KDRDLTLTYGQNALKENNKFEMLLTDKSDLAGLPKLA UniRef90_B4RCD5 UniRef90_UPI000479DB2D UniRef90_Q494A9 UniRef90_UPI0003663E3A UniRef90_W5UC25 UniRef90_UPI0003FA670E A Q K D E L K K L N G E L A S L E T K F S N Q L L K G T K S G G V S K E E L A G LIKL VY D G F A R N G A T L N A D D K A R Y A A L N K R L S A L H T K F G N UniRef90_H2YA06 UniRef90_R5SED4 UniRef90_UPI0001FFE0E8 LERLTKLSRRNGLHLPEETQEKLKSLKQLSLLCIDFNKN UniRef90_UPI0003F17267 UniRef90_K3WHH8 F T H A L P K E K M A R M Q E L N K E L A K L Q Q E F G D M L P K A A N E L A G UniRef90_D9RV99 UniRef90_W9RRS3 VRNR KLNEELNLIGQSFDKNLRDGARQLVLDSVDDLKG UniRef90_I3IAV8 UniRef90_UPI0003C2B103 UniRef90_H1XRB0 UniRef90_UPI0003F091C9 QLMA UniRef90_Q7VQU2 YLERLIKLGKRNGLHLPEETQEKIKAIKKKLSVL<mark>C</mark>IDFNK UniRef90_R4GJQ2 UniRef90_A9T684 UniRef90_I4ESS8 UniRef90_UPI0003812788 □ T Y N S F S R N G A T L N A A D K K R Y A D L N L R L S Q L Q T R F G N UniRef90_UPI00034B8756 UniRef90_R7L681 UniRef90_UPI0003682C90 UniRef90_UPI00030F3BB8 VERYLKQINGELARLGTKFSQNVLAEVNDVTVDTKEELAG UniRef90 I4VZ16 UniRef90 UPI0003617A35 UniRef90_K1QVS3 A K Q Q E V Q A W K Q K L S K L A L Q Y Q M N L T E E T T E V T F S P E E L K G L S I D F N R N L N E E N T V L L F S K E D L V G D E K A E L K A L N T E A A T L T S Q F N Q R L L A A N K A G G L V V D D V H Q UniRef90 K3WB38 UniRef90 F1Q5G6 UniRef90_D6DSQ2 UniRef90 H2MCK5 UniRef90_D5EKQ9 UniRef90_E6WXJ5 UniRef90_UPI0001E89154 VEHQYEGFVRAGALLSQAELRKLNSEESSLTTAFGNKLLAVKSYLQDPELTTEQKRQLEILEYGMKENQLDKETLEEMST UniRef90_C4Y5D6 UniRef90_G8JM10 UniRef90_T0I8A8 UniRef90_V4CPN6 UniRef90_U2DSY5 LEETYRDFVRAGALLTESGQERMRAINAEMPSLQTAFRQNKLSQLTLDFGQNALKESNKFEMLLTDEADLAGLPQ MLSIEFNRNLNEDTTSLEFSERELGGVREDFQRAGADLSDEDKAELSRINSRLSELSTAFGENLLK UniRef90_A0Z609 UniRef90_F8WZR6 UniRef90_H2SB14 UniRef90_E2MXC1 UniRef90_A4HG35 LQVELN NLRVK F S K NLN E D K G F VLF S K E ELE GLP E D T LN Q UniRef90_B9W7U9 UniRef90_UPI000287A64A NGATLDGEKKERYAQINQELAKLHTQFSNNILADEEGYVTYFYLLRKAMKKRMSELCIDFNKNLNEDNTFLTFSKEELGTLSIEFNRNLNEDTTSLEFSERELGGPKETQDEVKRIKKKLLCIDFNKHLNEDTTSLAFTREELGGNGAMLEGEAAERYAAINARLELHRTFGNNVLNDEENYVTYKELLRRFTRAGVRLSANGKKRLSAIDRELAELDDRFSK UniRef90_UPI00037011CB UniRef90_F7E621 UniRef90_H2SB17 UniRef90_C0H9W4 UniRef90_Q0ATE8 UniRef90_C2GK84 UniRef90_W7I5V6 UniRef90_E6WCN1 UniRef90 G7EAJ5 UniRef90 W0HXW3 LYDGFVRAGANLPKEKKDELEKVNARLAVLQQEFVEELAG UniRef90 R5G6P1 UniRef90 D8TAC6 UniRef90 U4LIY2 UniRef90_H1Z634 UniRef90 J7GC85 ETRKEVEALNKRKGELALKFSNNLSNDTSFLAFTAEELEG UniRef90_Q6C0X4 UniRef90 UPI00047D7A47

UniRef90_UPI00047A8B15

ERRQLEDLFHK

MVK N Q I S L E K L K Q G L A L E K K L A E R

210 220 230

T L H K P S L I P F L Y S S

WR L G L D M P R Y L P F I T H K

WR L G L D M P R Y L P F I T H K

G WL L E H E L S T Q Q P A L A S R

G WL I T L T N T T G Q P V L D S E

E E N T V L E F T E T V E S G K R K V T L K H P H V M P I M K C A

L S D G E I A A A A Q A A S E R W L V L Q N T T Q Q P S L Q N K 210

220

T L H K P S L I P F L Y S S K R E L R E Q
WR L G L D M P R Y L P F I T H K D R G L R E T
L K D E L A A A A D A A E T R G Q K N Q L Q N T T Q Q P D L Q K S D R S A R K T
G W L L E H E L S T Q Q P A L A S R D R N L R E R
G W L I T L T N T T G Q P V L D S E D R S L R E R
E E N T V L E F T E T V E S G K R K V T L K H P H V M P I M K C A D P E T R R K
L S D G E L A A A A Q A A S E R W L L V L Q N T T Q Q P S L Q N K D R D T R K A
P N D E V R K M
I K D K A Q S A S D L A E K E G H N G E Y A F S L V N T T Q Q D D V R E T R K L
H I T D K V Q L E G L P E T A G W L F T L D F P S Y S P F M Y A K S R A L R Q Q
V T L V L P T G H P W L A N R N R A T R E R UniRef90_R5VZN9 UniRef90_A2CAT8 UniRef90_V5Z884 UniRef90_UPI0002FAB886 UniRef90_UPI0003B68EAF UniRef90_A0A023FY90 UniRef90_W1INL1 UniRef90_M5X8L8 UniRef90_C3J8E7 UniRef90_G1W8Z3 UniRef90_U3P6Y8 UniRef90_F1R6P4 UniRef90_K9E2X5 S N N L K L R R K
T D R A L R Q E
WV L P L Q N T T Q Q P V L S S T D R E T R Q T
VN D G L A Q C K K D A E S R G G K A P L T N T T Q Q P L L A S D N R Q L R E R UniRef90_UPI00039F36B6 UniRef90_UPI000409FDFE UniRef90_G6XHM9 UniRef90_G6AE13 UniRef90_D1BHV6 UniRef90_W0ERJ9 R R D L N R R L T LKDTNLFSMMLTEKEGYMVNLSYPSYSAFMYS UniRef90 V8CPP4 RECERENCE ORORRENCE DE CONTROL DE UniRef90_D8M5X7 UniRef90_UPI00047B466F UniRef90_Z9JUJ2 UniRef90_UPI0002F3E7A1 UniRef90_F5J3M7 WIFTLSNSSVMPFLQSSNRKL GWLLTLGLPTVQPLLTSEDRAV LNITDAADAKARGEKGWTVTLQYPSYVPFMYSSDREA LDAAEAKAKSKNKEGWLFDLSAPSYLAFMYSSRRDL UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPl000479DB2D
UniRef90_Q494A9
UniRef90_UPl0003663E3A
UniRef90_UPl0003FA670E
UniRef90_H2YA06
UniRef90_H2YA06
UniRef90_UPl0001FFE0E8
UniRef90_UPl0001FFE0E8
UniRef90_UPl0001FFC0E8
UniRef90_UPl0001FFC0E8
UniRef90_UPl0001FFC0E8
UniRef90_UPl0001FF0E0E8
UniRef90_UPl0001FF0E0E8
UniRef90_UPl0001FF0E0E8
UniRef90_UPl0001F0E0E9 TRSSIEPFLTST

EKGWLFTLQYPSYSSVLYCD

EKGWLFTLQYPSYSSVLYCD

LSDADLEAFKQADGTYLISLLNTTQQPELQNMTI

NVLADEEGYATATANGKDITNTRSSMSPFLYSD

DFTNALDKDSSGNVVTLKYPHYFPLMKCS

MTTCE

GWLITLVLPTTQPALAVT

LNEDTTFLPFTREELGGKVTLKYPHYFPLLKCH

WRITLDPPSYIQFMYAAI

LSETDLAQCKDAESRGGKAPLTNTTQQPILASE

NTVKEIGFRITTDPPTLSSILQTP

LPQDYLDAHKPNDEGKIVTLTAYPDYVPFMQYA

EELLSSRNHLAQLVGYI

NGKKVTNNELLELKKNE

LNAQQDKTNVNADTGPWKLTLDIPCYEPFMHSKO

NGKKVTNNELLELKKNE

LNAQQDKTNVNADTGPWKLTLDIPCYEPFMHSKO

NGKKVTNNELLELKKNE

LNAQQDKTNVNADTGPWKLTLDIPCYEPFMHSKO

NGKKVTNNELLELKKOYI

ADFIKELTRDSDGKEVNLKYPHYFPLLKCYI

ADFIKELTRDSDGKEVNLKYPHYFPLLKCYI KKEKVKEAEKTR T NDE NDDVNNDENTQNV UniRef90_D9RV99 UniRef90_W9RRS3 UniRef90_I3IAV8 UniRef90_UPI0003C2B103 UniRef90_H1XRB0 UniRef90_UPI0003F091C9 UniRef90_Q7VQU2 UniRef90_R4GJQ2 UniRef90_A9T684 UniRef90_I4ESS8 UniRef90_UPI0003812788 UniRef90_UPI00034B8756 NILADEEGYVAADERGHEGEYALTNTRSSMYSTE UniRef90_R7L681 UniRef90_UPI0003682C90 KREQKKRRK KRERQKKRK PSNQPALASENRTIR
TTQQPVLKLKDRALR
TGQPPLAQLQNRALR
PSYSALMRCSNRETR
PHYFPCMKARNPETR
PTVFPLLNTCTVPLT
PHYFPLMKRCHVPET
RWLIPLNTTQRETR Q N N T UniRef90_UPI00030F3BB8 UniRef90_I4VZ16 M P Y P Y P Y P D R UniRef90 UPI0003617A35 UniRef90_K1QVS3 UniRef90_K3WB38 UniRef90_F1Q5G6 UniRef90_H2MCK5 UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_UP10001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T018A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_H2SB14
UniRef90_H2SB14
UniRef90_E2MXC1 A T N A A A E A A K A A G K E G WLL V L Q N T T Q Q P V L G S K D R S L R E M S S E L N Y L F N T Y L P E V N G K K L S A N D I R N I L N S T D S K E R E K V T F K Y P D I L P V L Y A K N Q E T R K EHYNDDVRE
SDSSRERRK

LDGLSEGELERGLEDTHRDLRE
LFDLSAPSYLAFMYSTRRDLRQ
RVTLEYPHYYPLMKCHDPETRR

NRETRR

NRETRR

IKSNDLELRE
TRTNTRSSMDPFLYSDERELRE
KVTLKYPHYFPVMKKCCIPETRR

KVTLKYPHYFPVMKKCCIPETRR

KVTLKYPHYFPVMKKCCIPETRR

KVTLKYPHYFPVMKKCFPETRR

KILLKYPHYFPTMKKCFPETRR

ALINTRSSMDPFLTSDERDLRE

LEGLSDDQVASYHVSGDTYRRA EHYSDS
VLSEVNAQAIVVDDPEQLDGLSEGEIERGLEDT
VKDAAAAKAKAKGKEGYIFDLSAPSYIAFMYST
MADSYLDGLEKTADGRYRVTLEYPHYYPLMKCH
DTVARAVEIYDREELAWLIPLDLPSTPAQLADD UniRef90_E2MXC1 UniRef90_A4HG35 UniRef90_B9W7U9 UniRef90_UPI000287A64A YEKVDGKF K E E R K K Q K YIDENESFVKAAAAAAKTRTNTRSSMDPLPD DFVDSLEKIEDKYKVTLKYPHYFPMADSYLDGLEKTADGRYRVTLEYPHYYPLPE DFLSSLEKDGDKLKITLKYPHYFPLSEDQLAAATRDHEGEAIINTRSSMDPTLNSTTRDLAVEFTRAELEGLSDDQVAS UniRef90_UPI00037011CB UniRef90_F7E621 UniRef90_H2SB17 UniRef90_C0H9W4 UniRef90_Q0ATE8 UniRef90_C2GK84 UniRef90_W7I5V6 UniRef90_Q6FX66 WLLPLQNTTQQPALQSSVRATREA UniRef90_E6WCN1 UniRef90_G7EAJ5 ENGWRLMLHNTTQQPQLQHAQRDTRQA LSEGELAQCKADAEANEAVTLSNTTQQDLLTSENRATREK UniRef90_W0HXW3 UniRef90_R5G6P1 UniRef90_D8TAC6 UniRef90_U4LIY2 UniRef90_J7GC85 NRQTREN
VP KDVTDGFEKTEDGKKMTFQYPDLFPVLRSKNPEVRKK
LNTTGQPPMAQLENRALRER
FTNFRPTFHY KETTNHEILDVLKHSLNEEERKE UniRef90_Q6C0X4 UniRef90_UPI00047D7A47

	250 260 270 280
UniRef90_R5VZN9 UniRef90_A2CAT8 UniRef90_V5Z884	
UniRef90_UPI0002FAB886 UniRef90_UPI0003B68EAF	V H R A S T T R G L G G E H D T R P I L L E L A R L R A E R A Q L L G Y E H H A
UniRef90_A0A023FY90 UniRef90_W1INL1	VNFAYESR <mark>C</mark> VK ENLPLLEKALSLRYKKAQILNYPTHA LFEASWTRAEKDDNDTRQTLARLAKIRAEQAKLLGFPDYA
UniRef90_M5X8L8 UniRef90_C3J8E7	FYEASIIKRCKGDEYDTQKII VLEILAKVIRADKAKIL LIGFPNYA
UniRef90_G1W8Z3 UniRef90_U3P6Y8	LYMARNT LCHKNAENNVEICKRLINI RREMAQLLGFETYA LMASRARATRGGEHDNRDLI LELTRLRAERARLLGFDTAL
UniRef90_F1R6P4 UniRef90_K9E2X5	D N R N V V L Q L A K L R A E R A E L L G Y D S Y A
UniRef90_UPI00039F36B6 UniRef90_UPI000409FDFE	A WE A A K QVA P QVA A YII VELA R L R N Q A A R S M G F N N Y Y I MA S L A R G T R G N E F D N R E L I A R V A R L R A E R A A L L G Y D S H A
UniRef90_G6XHM9 UniRef90_G6AE13	L F D H S W N R A E R D D N D T R A T I A E L A Q L R A K K A A I F H Y P N Y A VY N S I H R T D G T G A Y N T F P I I V K I A R L R A E K A Q L M G K K N Y A
UniRef90_D1BHV6 UniRef90_W0ERJ9	LYRAYNTRNQSGEYNNIPI LKRIAEVRLEIAKLFGKPTFA VYNSIHRTDGTGE <u>YNTFPVI</u> VEITKLRAE <u>KAQL</u> MGYKNYA
UniRef90_V8CPP4 UniRef90_D8M5X7 UniRef90_UPI00047B466F	V Y N S
UniRef90_UP100047B4001 UniRef90_Z9JUJ2 UniRef90_UP10002F3E7A1	L Y R A S V E R G T A T W E L A P R I A S L R A R K A E L L G F E D F L L W R A S N A R A L G G E F D N C E N I R R I V D L R R Q I A G L L G Y E T Y A L Y K A Y T T Q C A A G G E D N Q E N V K E I A K T R M E I A N L L G Y S D Y A
UniRef90_F5J3M7 UniRef90_B4RCD5	LYKAYTTQ <mark>C</mark> AAGGEDNQENVKEI AKTRMEI ANLLGYSDYA VWRTYYSRGDNGGHDNNGLI RQI LKLRAERAKLEGYPTHA
UniRef90_UPI000479DB2D UniRef90_Q494A9	A F DI_FVKRGDNGNENDNSTLVSI LQLRTQKAKILIGYPTFA
UniRef90_UPI0003663E3A UniRef90_W5UC25	LFDAWIRTEKKDENDTRATILTLVKKRAEKAKLLGFSNYA AYRIFLYPNENMMHTLEELLS <mark>CRH</mark> KL <u>A</u> KLVGYDSYA
UniRef90_UPI0003FA670E UniRef90_H2YA06	MEKAFNSR <mark>C</mark> KE ENRA L TE LV K L RAEKAK LL GYEN H A
UniRef90_R5SED4 UniRef90_UPI0001FFE0E8	A F K A Y S S R N H D N A N D N K Q V I L D I MR L R T E K A Q L L G Y D C S A L H R A S V T R G L G G A H D T R D T V L A I A R L R A E R A R L L G Y P D H A V E E A F N C R C K E E N Y A I L K E L V A L R E Q K S S L L G F S T H A
UniRef90_UPI0003F17267 UniRef90_K3WHH8	V E E A F N C R C K E E N Y A I L K E L V A L R E Q K S S L L G F S T H A L Y R A S S S R A S A A P Y D N E E I I K E I L S I R K E M S A L L G F K T Y A V Y N S I H R T D G T G A Y N T F P V I V K I A R L R A E K A Q L M G Y K N Y A
UniRef90_D9RV99 UniRef90_W9RRS3	A Y V Q G Y S S P Q A N L G I L N K L I G A R H E L A Q I L G Y R S Y A
UniRef90_I3IAV8 UniRef90_UPI0003C2B103 UniRef90_H1XRB0	QFYIIF RQQAYPENKAVLQNLIEKRHELAKVLGYENFS LQGTMAKTPENVMHFLEKLSDRLQKDFEMMAEMKMKINPQ AA WEASKQVGRVVADDIIKLVKLRNQAAQKLGFENYH
UniRef90_HTXRB0 UniRef90_UPI0003F091C9 UniRef90_Q7VQU2	LY MAFIT KASYGQYDNSDMIENI KNLRQENAKILGFKNFA FY WAFNT RASDNQWDNTEI MNEI ISLRHNLAQTLGFNSYL
UniRef90_R4GJQ2 UniRef90_A9T684	VEEMFNSRCKE ENCLI LKELVDLRAQKASLLGFSTHA AVALAYDQRC MDENVTI LEKVVAMRNAMAQLLGYRNHA
UniRef90_I4ESS8 UniRef90_UPI0003812788	LYEASVTRASSGEHDNGPI AAEMAHÜRAVRARL LGFDTHL VWNTYYSRGDNDQYDNNAII AEI LQLRHERVGLLGYKNYA
UniRef90_UPI00034B8756 UniRef90_R7L681	L
UniRef90_UPI0003682C90 UniRef90_UPI00030F3BB8	L F E A SLS R G T D G G P D V R E I V T A T V R L R A E K A A L L G F A N F A L A A S M N R A A R G D D N D T R A T I L R L A K L R A R K A Q L L G F D N Y A I F E S V A R G S R G N A Y D N T A I V S Q V L K L R A E K A R M L G Y P T Y A
UniRef90_I4VZ16 UniRef90_UPI0003617A35	Y
UniRef90_K1QVS3 UniRef90_K3WB38	LETAFNSRCLK PNTAILEELVELRSQKADILGFPTHA TVEVAFNRRCLDKNV ALLEEMLELRHNIALMLGYENHA
UniRef90_F1Q5G6 UniRef90_D6DSQ2	KMEKAFHSRCKDVNT ALLEKLIELRARLANLLGFSSHA LFAGWERTQKGDENDTRELIRRLTGLRARQAQLLGFDNYA
UniRef90_H2MCK5 UniRef90_D5EKQ9 UniRef90_E6WXJ5	PW
UniRef90_L0WA33 UniRef90_UPI0001E89154 UniRef90_C4Y5D6	VAASLNRAAKGDANDTRATIQRLAELRARKAQLLGYENYÄAW KASKEVGQVVSHKLLTLVKKRNEAARKLGYGNYYAYVE NQNKVPENAELDKIIRLRYQLAKLMGYETYS
UniRef90_G8JM10 UniRef90_T0I8A8	P W
UniRef90_V4CPN6 UniRef90_U2DSY5	A YKVYHQPDKTQLKRLDHLLYNRHQLAQLVGFPSYG
UniRef90_A0Z609 UniRef90_F8WZR6	A Y L T M N Q I N E P M I E A G F I D L L K L R K K F A N K Y G A N D F V I Y R A S V G R G S S G G D D N R Q T I S K I M T L R A E R A N L L G Y P N H A L Y M A Y N T K C A G G E F D N Q E N V K E I A K T R M Q I A N L L G Y T D Y A
UniRef90_H2SB14 UniRef90_E2MXC1	METAFHSRCKEV NTAILEQLVQLRSKVADLLGYSSHALYEASLGRAGSGKFDNSNIVLEMARLRARRAKLLGYNTHALLEASEQRAGRDENDTTAITVETAQLRLRKAKLLGKKSFA
UniRef90_A4HG35 UniRef90_B9W7U9	ANI AYGN <u>K</u> CAE <u>NGPILDQ</u> IIIKI KFQIAKILIGYDIFS
UniRef90_UPI000287A64A UniRef90_UPI00037011CB	A WH A S K Q L A K E L E E K L L I L V K K R N E A A R S L G F E N F H WRTYYNR G D N D Q D N D E I I K Q L L T L R D E R V E L L G Y D N Y A
UniRef90_F7E621 UniRef90_H2SB17 UniRef90_C0H9W4	VWRTYYNRGDNNDQDNNE I KQI LTLRDERVELLGYDNYAKMEMAFNTRCKEENT KI LQQLLPLRAKVAELLGYSTHAMETAFHSRCKEV NTAILEQLVQLRSKVADLLGYSSHALEEAFNSRCKEK NSAILKELVQLRAQKSSLLGFATHAVWNNYYSRGDNGGEDNNAVISEILQLRHERVGLLGYDNYA
UniRef90_C0H9W4 UniRef90_Q0ATE8 UniRef90_C2GK84	VWNNYYSRGDNGGEDNNAVISEILQLRAQKSSLLGFAIHA
UniRef90_C2GK64 UniRef90_W7I5V6 UniRef90_Q6FX66	LYEESQKRGGEENLRLAVTMATLRAERARLLGYRTHADYV LKKSDVESRGLSFDDKY EFENEFNMVYDGDYYLWDHRYYDNYL
UniRef90_E6WCN1 UniRef90_E7EAJ5	LIF Q R A LIT R C E Q D D N D T R A L V L R M A Q L R A Q R A S L L G F N S Y A Y V
UniRef90_W0HXW3 UniRef90_R5G6P1	LFHASIARAEQDDNDTRALITRLASLRAQQAQLLGFADYA VFNASYHRSDNTGNQNTYLIAEMAQLRHKKGQLLGFNNYA
UniRef90_D8TAC6 UniRef90_U4LIY2	K D L S E L S K <u>E D</u> D G K Y Y L
UniRef90_H1Z634 UniRef90_J7GC85	WIRAEKGDKNDTRSTIIALTKKRAAKAKLLGFDTYA LFNGWTRTOKGDENDTRALILRLTALRAROARLLGFEDYA
UniRef90_Q6C0X4 UniRef90_UPI00047D7A47	A F L G D Q N R V K D N T P L L K E T V E I R T K L A N L L G Y R H H C D Y V L L H K S I A R G S R G N Q W D N T G I V A E V L K L R S E R A R L L G Y D T P A
UniRef90_UPI00047A8B15	A S K Q L G K V L E P S L H E L L K V R N E Q A K E L G F Q N Y Y

```
290

300

310

D D E M T T D A V Y E I W T P A L E S A K G E L A E M E E L F R K I A S K M A E E A V E Q L L E E L R A A A L P A A Q T E L I E C A K I Q D Q M N P Q A A L A F M R Q I A P A A T A R A R D I Q A I I D R A A A Q A V A D M L E R L A P A A V A N A R V E A Q A L E A A L Q E I Q Q A R T T A A V N D L L A R L A P G V V E L A Q R E A D A L A E E M A R S A A N V R R F L T D L A E K L Q P L W A K E K K V Q N Q M T P K T A L K F L R D I V A R A E R E A K D I Q A V I D Q A V I D Q A V I D Q A V I D Q A X P E N V I T M L T N L A K L A D P K A K E L E S F A R K D I Q A V I D Q A X P E N V I T M L T N L A K L A D P K A K E L E S F A R K D I Q A V I D Q A X P E N V I T M L T N L A K L A D P K A K E L E S F A R K D I Q A V I D Q A X P E N V I T M L T N L A K L A D P K A K E L E S F A R K D I Q A V I D A I D S L L K A Y K P E V T E I E A L A R K D I Q A V I D A I D S L L K A Y K P E V T E I E A L A R K D I Q A D L A E I Q Q V I D A I D S L L K A Y K P E V T E I E A L A R K D I Q A D M L G R L A L P A A R N A H A E Q A D L A E I Q Q V I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D A I D
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90
UniRef90_W1INL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_F1R6P4
UniRef90_UPI00039F36B6
                                                                                                                                                                                                                                                AEAASDSEADV
                                                                                                                                                                                                                                                                   YS
MS
YI
YT
YS
                                                                                                                                                                                                                                                  A
E
A
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
                                                                                                                                                                                                                                 UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_D8M5X7
UniRef90_D8M5X7
UniRef90_UPl00047B466F
UniRef90_UPl0002F3E7A1
UniRef90_UPl0002F3E7A1
UniRef90_F5J3M7
UniRef90_UPl000479DB2D
UniRef90_UPl000479DB2D
UniRef90_UPl0003663E3A
UniRef90_UPl0003FA670E
UniRef90_H2YA06
UniRef90_H2YA06
UniRef90_H2YA06
UniRef90_UPl0001FFE0E8
UniRef90_UPl0003F17267
UniRef90_UPl0003F17267
UniRef90_UPl0003F17267
UniRef90_UPl0003F17267
UniRef90_UPl0003C2B103
UniRef90_UPl0003C2B103
UniRef90_UPl0003C2B103
UniRef90_UPL0003C2B103
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_HESS8
 UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPl0003682C90
UniRef90_UPl00030F3BB8
UniRef90_I4VZ16
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90_K1QVS3
UniRef90_K1QVS3
UniRef90_F1Q5G6
UniRef90_P1Q5G6
UniRef90_D6DSQ2
UniRef90_D5EKQ9
UniRef90_D5EKQ9
UniRef90_UPI0001E89154
UniRef90_UPI0001E89154
UniRef90_G8JM10
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_V4CPN6
UniRef90_V4CPN6
UniRef90_B8WZR6
UniRef90_B8WZR6
UniRef90_B9WZR6
UniRef90_B9WZR6
UniRef90_B9WZR6
UniRef90_B12SB14
UniRef90_B9WZC1
UniRef90_B9WZC1
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
 UniRef90_Q0ATE8
UniRef90_C2GK84
 UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
 UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_04L172
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
```

GGPREGG

```
UniRef90_R5VZN9
                                                                                                                                                                                                                                                                                          EGEEE/ES
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPl0002FAB886
UniRef90_UPl0003B68EAF
UniRef90_A0A023FY90
UniRef90_M1NL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W873
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90_V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_UPI0003663E3A
UniRef90_W5UC25
UniRef90_UPI0003FA670E
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0003FFE0E8
UniRef90_UPI0003F17267
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_U3IAV8
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_H2MCK5
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_G8JM10
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_E2MXC1
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_04L172
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
```

UniRef90_R5VZN9 UniRef90_A2CAT8 UniRef90_V5Z884 UniRef90_UPI0002FAB886 UniRef90_UPI0003B68EAF UniRef90_A0A023FY90 UniRef90_W1INL1 UniRef90_M5X8L8 UniRef90_C3J8E7 UniRef90_G1W8Z3 UniRef90_U3P6Y8 UniRef90_F1R6P4 UniRef90_K9E2X5 UniRef90_UPI00039F36B6 UniRef90_UPI000409FDFE UniRef90_G6XHM9 UniRef90_G6AE13 UniRef90_D1BHV6 UniRef90_W0ERJ9 UniRef90 V8CPP4 UniRef90_D8M5X7 UniRef90_UPI00047B466F UniRef90_Z9JUJ2 UniRef90_UPI0002F3E7A1 UniRef90_F5J3M7 UniRef90_F3J3M/ UniRef90_B4RCD5 UniRef90_UPl000479DB2D UniRef90_Q494A9 UniRef90_UPl0003663E3A UniRef90_UPl0003FA670E UniRef90_UPl0003FA670E UniRef90_UPI0003FA670E UniRef90_H2YA06 UniRef90_R5SED4 UniRef90_UPI0001FFE0E8 UniRef90_UPI0003F17267 UniRef90_K3WHH8 UniRef90_Daption UniRef90_D9RV99 UniRef90_W9RRS3 UniRef90_I3IAV8 UniRef90_UPI0003C2B103 UniRef90_H1XRB0 UniRef90_UPI0003F091C9 UniRef90_Q7VQU2 UniRef90_R4GJQ2 UniRef90_A9T684 UniRef90_I4ESS8 UniRef90_UPI0003812788 UniRef90_UPI00034B8756 UniRef90_R7L681 UniRef90_UPI0003682C90 UniRef90_UPI00030F3BB8 UniRef90_I4VZ16 UniRef90 UPI0003617A35 UniRef90_K1QVS3 UniRef90_K3WB38 UniRef90_F1Q5G6 UniRef90_D6DSQ2 UniRef90_H2MCK5 UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_G4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_E2MXC1
UniRef90_B9W7U9
UniRef90_BW7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB UniRef90_UPI00037011CB UniRef90_F7E621 UniRef90_H2SB17 UniRef90_C0H9W4 UniRef90_Q0ATE8 UniRef90_C2GK84 UniRef90_W7I5V6 UniRef90_Q6FX66 UniRef90_E6WCN1 UniRef90_G7EAJ5 UniRef90_W0HXW3 UniRef90_R5G6P1 UniRef90_D8TAC6 UniRef90_U4LIY2 UniRef90_04L172 UniRef90_H1Z634 UniRef90_J7GC85 UniRef90_Q6C0X4 UniRef90_UPI00047D7A47

```
WARREST AND ACCOUNT OF A COUNT OF
  UniRef90_R5VZN9
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPl0002FAB886
UniRef90_UPl0003B68EAF
UniRef90_A0A023FY90
UniRef90_M1NL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W873
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
 UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
 UniRef90_G6XHM9
UniRef90_G6AE13
  UniRef90_D1BHV6
UniRef90_W0ERJ9
  UniRef90_V8CPP4
  UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_UPI0003663E3A
UniRef90_UPI0003663E3A
UniRef90_W5UC25
UniRef90_UPI0003FA670E
UniRef90_H2YA06
UniRef90_H2YA06
UniRef90_UPI0001FFE0E8
UniRef90_UPI0001FFE0E8
UniRef90_UPI0003F17267
UniRef90_UPI0003F17267
UniRef90_UPI0003F17267
UniRef90_UPI0003C2B103
 UniRef90_UPI0003C2B103
 UniRef90_H1XRB0
UniRef90_UPI0003F091C9
 UniRef90_Q7VQU2
UniRef90_R4GJQ2
  UniRef90_A9T684
  UniRef90_I4ESS8
  UniRef90_UPI0003812788
UniRef90_UPI00034B8756
 UniRef90_R7L681
UniRef90_UPI0003682C90
  UniRef90_UPI00030F3BB8
UniRef90_UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
 UniRef90_H2MCK5
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_D5EKQ9
UniRef90_D6WXJ5
UniRef90_CH2M506
UniRef90_C4Y5D6
UniRef90_C4Y5D6
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_H2SB14
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_B4HG35
UniRef90_B4HG35
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
 UniRef90_Q0ATE8
UniRef90_C2GK84
 UniRef90_W7I5V6
UniRef90_Q6FX66
 UniRef90_E6WCN1
UniRef90_G7EAJ5
  UniRef90_W0HXW3
UniRef90_R5G6P1
  UniRef90_D8TAC6
UniRef90_U4LIY2
  UniRef90_H1Z634
 UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
```

	450
UniRef90_R5VZN9	450 460 470 480 VELPSQLMENWAFDPEVLHYRSNEVIPKYLVDKLR RSE
UniRef90_A2CAT8 UniRef90_V5Z884	
UniRef90_UPI0002FAB886	VEYPSOVNEMWAWDPTVSFAV <mark>HH</mark> ETGEPMPAEWVETITAA
UniRef90_UPI0003B68EAF	VEFPSQVNELWAWEPYARHHETGEPVPAA <u>WVEQ</u> LAASR <u>T</u> E
UniRef90_A0A023FY90 UniRef90_W1INL1	IVIEFPSQFNEYWARDHYAKHYQTGEAMPQAILVIDKII IN KAD
UniRef90_M5X8L8	<u>A</u> EAPSNLFEY <u>Y</u> SWDYR <u>V</u> KHYSTGES <u>L</u> PEK <u>LV</u> E <u>SM</u> QGARKM
UniRef90_C3J8E7 UniRef90_G1W8Z3	V E
UniRef90_U3P6Y8	VEFPSQVNEMWMLWPEILHHLTGERMPQELVDRLHASQSF
UniRef90_F1R6P4 UniRef90_K9E2X5	VEFPSQVNEMWMLWPEILHHLTGERMPQELVDRLHASQSFAEVPSLLMEYFATDYRVRHYQTGQPLPQSMVARLCESKKVVELPSQVYEMWMAWPEVLYARHYQTGAPMPKELLDKLRAA
UniRef90_UPI00039F36B6	<u>T</u> EA <u>ILIAILIF</u> FEQILIAI <mark>C</mark> NPT <u>W</u> MQQMILIGILISEAEK <u>AAILIIA</u> TT <u>KILI</u> TS
UniRef90_UPI000409FDFE UniRef90_G6XHM9	VEYPSQVNEMWATWPSVKHYQTGEPLPQALLDKV LAAE VEFPSQFNENWALDHYARHYKTGAPMPQKLVAKLH KAA
UniRef90_G6AE13	VEMPSQFNESFVFNHYARHYKTNEPMPDALREKMLGSLNF
UniRef90_D1BHV6 UniRef90_W0ERJ9	VEMPSQFNESFVFNHYARHYKTNEPMPDALREKMLGSLNFVEYPSQVNEMWAWDESLLYAVHHVTGEPLPEQWVRTMLDSVELPSQFNENFLSEKEFLFAVHYKTGEKMPVELVEKLKES
UniRef90_V8CPP4	IVIEMPS DENESEIVIENHYARHYKINDPMPADILICERMILIKSILIN
UniRef90_D8M5X7 UniRef90_UPI00047B466F	VETPSQLMEQWTWQKPVRHYKTGEPLPEKLIDNLIHSKNF VELPSQVMENWAAEPEVKHYKTGETLPDALIEKLQKAGTF
UniRef90_Z9JUJ2	V E
UniRef90_UPI0002F3E7A1 UniRef90_F5J3M7	IVIEILIPS QILIMEN WYILID KE AIVI <mark>H</mark> Y K L GE KILIPA EIL VIK KIL VID A A N Y
UniRef90_B4RCD5	VEFPSTVNESWLRTPQVLFALHHQTGKPLPPELVAKIENA
UniRef90_UPI000479DB2D UniRef90_Q494A9	VEFPSTVNESWLRTPQVLFALHHQTGKPIPPELVAKIENA VEFPSQLLEHWLATPEVKFALHYKTNQPLPQALVDRIEKA LELPSQLMEKFCWDPDVLQSMHYRTKEPLPGYLINNLLKT
UniRef90_UPI0003663E3A	<u>VEFPSQFHEHYV</u> TEPY <u>A</u> KHYETGA <u>V</u> I PDAL_VEK <u>MK</u> KA <u>S</u>
UniRef90_W5UC25 UniRef90_UPI0003FA670E	TEEOSOILLERWILISETYILLI <mark>HH</mark> ETGEPMPADILIROKILIKDAATE
UniRef90_H2YA06 UniRef90_R5SED4	VEAPSQMLENWCWEYMSQHYKDGSDIPKDLIDALIKSRNA VETFSQFNENWAFQPYAHHYQTGEVIPDSLVAKINNSL VEFPSQVNEMWLSDPELLFARHHATGEPLPPELLSAALSA
UniRef90_UPI0001FFE0E8	VEFPSQVNEMWLSDPELLFARHHATGEPLPPELLSAALSA
UniRef90_UPI0003F17267 UniRef90_K3WHH8	VEAPSQMLENWVWERMSQHYRTGGALPPALLDKLIESRQF VELPSQMMENFCYDAETGHYETGEKLPAALFEKIKSARNM VEMPSQFNESFVFNNYARHYKTNEPMPDALREKMLGSLNF
UniRef90_D9RV99	VEMPSQFNESFVFNNYARHYKTNEPMPDALREKMLGSLNF
UniRef90_W9RRS3 UniRef90_I3IAV8	A E T P S NIL IF E Y Y A C D Y RIVIR H Y S T G EIV I IP Q K IL VID SIL IE G A R N M
UniRef90_UPI0003C2B103	A E V P S I L M E Y F A N D Y R V R H Y K T G Q P L P K S M V S R L C E S K K V
UniRef90_H1XRB0 UniRef90_UPI0003F091C9	TEGVAMLFGRLSRNPFWMQQVLNLSDEVRQQIEPDLNRYM VELPSQLMENWVYDKNTMATISGHYQETLPKHLFDQLIKA
UniRef90_Q7VQU2	VEVPS OF MEKECWOTNIIRAMS MHYKKSIIS NKMINNVOKI
UniRef90_R4GJQ2 UniRef90_A9T684	VEAPSQMLENWVWERMSRHYKTGSPIPDELLEKLIKSRQFVEAPSQMLENWCLDGASLKIMSGHYKEALMKKKRAHAGLLVEYPSQVNEMWALWPEVLTSYARHVEQAIEAAALWGEGFA
UniRef90_I4ESS8	VEYPSQVNEMWALWPEVLTSYARHVEQAIEAAALWGEGFA
UniRef90_UPI0003812788 UniRef90_UPI00034B8756	TEFQSQLLERWINNYLVHYKTGEAMPKSLIAKIKAAATFN VEFPSQFNEHWASDSQVRHYQSGEAMPQALHDKII IRAD
UniRef90_R7L681	IVIEILIPS QILIMEN WCRDAILIDILIEARHWKT GEKILIPEDILIYAKEKNA
UniRef90_UPI0003682C90 UniRef90_UPI00030F3BB8	VEFPSQFNEHWALYPQVRHYQTGEPMPKELVEKI VRARTF
UniRef90_I4VZ16	IVIEFPS QIVIN E M W S D W P G IV L IY A K H H Q I G A P M P R E IL L ID K IL IA A S
UniRef90_UPI0003617A35 UniRef90_K1QVS3	VEAPSOMEENWOWHYKTGEA POHILIDKEIKS RIJANA GME
UniRef90_K3WB38 UniRef90_F1Q5G6	VEAPSQMLENWOWHYVSKAKLSDELIERLISTKNANAGLM VEVPSQMLENWVWERMSRHYKDDSPIPDALLDKLIASRVM VEFPSQINEHWASHHFARHYQTGEPMPDALREKMLNATQF AEVPSILMEYFATDYRVQFARHYQTGQPLPESMVARLSES
UniRef90_D6DSQ2	VEFPSQINEHWASHHFARHYQTGEPMPDALREKMLNATQF
UniRef90_H2MCK5 UniRef90_D5EKQ9	A E V P S IL L M E Y F A T D Y R V Q F A R H Y Q T G Q P L P E S M V A R L S E S
UniRef90_E6WXJ5	VELPSQIMENWOWDRFARHYETGEPIPQELFDKMLAARNY VEFPSQFNEHWALDPKVKHHQTGEPMPKELVEKIVRARTF TESIAMLFGKMTENWLSKFLKLDDAKLDTLMPSLEKHEQL
UniRef90_UPI0001E89154 UniRef90_C4Y5D6	T E S A M
UniRef90_G8JM10	VECPSQMLEFWTWSANELHFETSEPIPDQLIDQLVKSKHFVEAPSQMLEFWPWNYETGEQLPDELVDSLIKTKHVNAGLSVEFPSQFNENFATNNYAKHYQTGATIPAELIAKIEAAKTF
UniRef90_T0I8A8 UniRef90_V4CPN6	A E V P S I L ME Y F M S D P Q V R H Y K T G E K L D S N L L Q K L C D S K S
UniRef90_U2DSY5 UniRef90_A0Z609	A E V P S I L M E Y F M S D P Q V R H Y K T G E K L D S N I I Q K L C D S K S S E I A N L F Q S F L Y S N L F Y G A F F D D Q K E V E E E F S K L K A Y K K N V E Y P S Q V N E M W A S W P E I L I Y A V H Y E T G E S L S L E L L E K S A S A
UniRef90_F8WZR6	VELPS QI MEN WYLD K FAVHY K T GEKLP A DL VKKL VD A AN Y
UniRef90_H2SB14 UniRef90_E2MXC1	VELPSQIMENWYLDKFAVHYKTGEKIPADLVKKLVDAANYVEVPSQVLENWVWEKEPLRRMSGHYRAPIPEDMLDKLIASVEFPSQINENWALEPSILYAVHVRTGEPIPAELVESVKKA
UniRef90_A4HG35	LEFPSQLNEHWAMYDAVLYALHYETKEPIPQSLVDRMKAA
UniRef90_B9W7U9 UniRef90_UPI000287A64A	LEFPSQINEHWAMYDAVLYALHYETKEPIPQSLVDRMKAAVETPSQMLEYWTWHYETGEPISDELIDQLISTKHVNSGLFEALAMLYGRFGKNPEWLQKFLGDELKPVIEKSLRRQMLIA
UniRef90_UPI00037011CB	TEFQSQLLERWVIDNYLVHYKTGEPIPDDLVAKIKRASTF
UniRef90_F7E621 UniRef90 H2SB17	T E F Q S Q L L E R WV I D N Y L V H Y K T G E P I P D D L V A K I K R A S T F V E V P S Q M L E N W V W D K D S K H Y K D G N P I T D D L L E K L V A S R L V V E V P S Q V L E N W V W E K E P L R R M S G H Y R A P I P E D M L D K L I A S
UniRef90_C0H9W4	VEAPSQMLENWVWEKEPLQRMSKHYKDKLMKSRLANTGLF
UniRef90_Q0ATE8 UniRef90_C2GK84	VEAPSQMLENWVWEKEPLQRMSKHYKDKLMKSRLANTGLF TEFQSQLLERWVLNNFLTHVETGEPMPQALIDRIRAAANF VEFPSQLNENWALDPAVHYAHHVTTGEVIPDRLIDALEKA
UniRef90_W7I5V6	VEAPSQMLENWOWHYEIGEPLPDELIKSLIASKHVNDGLF
UniRef90_Q6FX66 UniRef90_E6WCN1	V E
UniRef90_G7EAJ5	VEAPSQLSENFIWHYKTKKPMPDELIEKLISSRFVNSGLFVEFPSQFNEHWASEPHVRHYQTGAAMPATEVAKINQAARFVEMPSQFNEYFATVPEVNFAKHYETGEAMPEDLKNKMLES
UniRef90_W0HXW3 UniRef90_R5G6P1	VEMPSQFNEYFAT VPEVNFAKHYET GEAMPEDLKNKMLES
UniRef90_D8TAC6 UniRef90_U4LIY2	VELPSQFMENWCYDRNTLHYRTGQELPEALYTKLKSSRTF VEAPSQMLENWCWHYETGEKIPKEMVENIIRTKNVNAALF
UniRef90_H1Z634	VEEPSOEHEHEAEDPYAKHYOTGYVMPOOEADNIKAAAGE
UniRef90_J7GC85	VEFPSQINEHWASHPQVRHYETGEPMPDALRESMLNATHFVECPSQMLEFWTWEPEQHFSAHYKDGSKMSDETIKSLVATVEFPSQVNEMWADNYARHHETGEPLPQALLDRKMASATFNTTEASRLNKTREWQRLFLHENEEQMKSSEKMLQ RQMLVS
UniRef90_Q6C0X4 UniRef90_UPI00047D7A47	VEFPSQMLEFWIWEPEQHFSAHYKDGSKMSDEILKSLVAI VEFPSQVNEMWADNYARHHETGEPLPQALLDRKMASATFN
UniRef90_UPI00047A8B15	TTEASRLNKTREWQRLFLHENEEQMKSSEKMLQ RQMLVS

```
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
UniRef90_UPI0003B68EAF
UniRef90_A0A023FY90
UniRef90_W1INL1
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
UniRef90_G6AE13
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90 V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
UniRef90_F5J3M7
UniRef90_B4RCD5
UniRef90_UPI000479DB2D
UniRef90_UPI0003663E3A
UniRef90_W5UC25
UniRef90_UPI0003FA670E
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0003FFE0E8
UniRef90_UPI0003F17267
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_I3IAV8
UniRef90_UPI0003C2B103
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_I4ESS8
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
UniRef90 UPI0003617A35
UniRef90_K1QVS3
UniRef90_K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPI0001E89154
UniRef90_G4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
UniRef90_E2MXC1
UniRef90_E2MXC1
UniRef90_B9W7U9
UniRef90_BW7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6
UniRef90_Q6FX66
UniRef90_E6WCN1
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
UniRef90_D8TAC6
UniRef90_U4LIY2
UniRef90_04L172
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
```

Interest Accordance		530 540 550 560
June Page	UniRef90_R5VZN9	<u>TEKRGLIPQEPRYRYPYFSHI</u> FDG GYSAGY <u>YF</u> Y <u>TWA</u>
June June		LIT QE QI PAVPPRYRSSYF QHI WGNGYYYAYLWRQML ADDG
Junkelson University Name	UniRef90_UPI0002FAB886	A A A A P V P P R Y R T S Y F N H V F G G G Y S A G Y Y S Y I W S E V L D A D T
Junkelson University Name		FILERSGVAFPLVPYRSSYFHHIIFGGGYYYSYLWSEVMDADT
JAMESSON MASKALE A GILLY S ALTIED R RY THY WE AR RE N HILLY GO GO Y Y SY LIN AR KEY LO A DIT INTERPRETATION OF THE PROPERTY O	UniRef90_W1INL1	QQDN Y L SY V PPRYRSSYFKH WAAGYYAY L WTEM L ADDA
JARRESO GUNZAY WREAD TO TO MITTLY FS HE MAD GOY A GOY YS YK WA EVEL DA DA DA MINESSO LONGOUS PROPERTY OF THE STATE OF THE	UniRef90_M5X8L8	A G T H W F A R F N H I I I Y G A G Y Y S Y II I Y A K C F A A T I I
JARRIEGO JUPISOO 1796 270 1		WREAILIPDTCMTIVIQFSHII IMAGGYAAGYYSYKWAEIVLIDADA
Jankergo (Jebous) Jankergo (Jeb	UniRef90_U3P6Y8	II IA K A GII ID N P A IVIP Y A S T Y F A H T F S G G Y Y Y S Y II IWS F IV I ID A D T
JARRENO DIPLOMOSPEPOPE JARRENO GARCES JARRENO GARCES JARRENO GARCES JARRENO GARCES JARRENO GARCES JARRENO GARCES JARRENO MUCELUA JARRE		I K F A GIVIPPRY RSTY F S H A M G G G Y S A G Y Y S Y I WA F RII D A D A
JARREND GSAE13 JARREND WEST 19 JARREND WEST 20 JARREND WEST 20 JARREND WEST 20 JARREND WEST 20 JARREND WEST 20 LLDS QIP P R Y S T S Y F N HUW G G Y A A G Y Y S Y LWS EV L A ANNULL THE STATE OF	UniRef90_UPI00039F36B6	O MIVIK R P F G R N A P D W A A K I I I I I A A Y P IVIY Y H N Y O I I G H I I I A A O II
JARREND GSAE13 JARREND WEST 19 JARREND WEST 20 JARREND WEST 20 JARREND WEST 20 JARREND WEST 20 JARREND WEST 20 LLDS QIP P R Y S T S Y F N HUW G G Y A A G Y Y S Y LWS EV L A ANNULL THE STATE OF		E GIVID Y A PIVIP PRYRSTYFSHII MGGYSAGYYAYIL WSEIVLID A ES
Junkergo Vocenya A K T L Y L P D W E G T L T A P Q E G H L F S G G Y A A G Y Y W A E W L D A D A D A D A D A D A D A D A D A D	UniRef90_G6AE13	IL LID S QII IP P R Y S T S Y F N HII IWG G G Y A A G Y Y S YIL IWS EIV LIAIVINII I
Junkerson Dissonary Marchaeles L. D. S. G. J. P. P. Y. S. T. S. Y. F. N. H. W. G. G. G. Y. Y. S. Y. L. W. S. E. U. H. A. W. N. I. J. M. M. J.	UniRef90_D1BHV6	VALSEVPARYRTTYFNHVFGGGYSAGYYSYLWSEVLDAET
JURINGERO JUPIDOOS PER SEA JURINGERO JUPIDOOS JUPIDOOS PER SEA JURINGERO JUPIDOOS JUPIDOOS PER SEA JURINGERO JUPIDOOS JU	UniRef90_V8CPP4	IL L ID S QII IP P R Y S T S Y F N HIVIWG G G Y A A G Y Y S Y IL IWS EIV L IAIVINII I
JURINGERO JUPIDOOS PER SEA JURINGERO JUPIDOOS JUPIDOOS PER SEA JURINGERO JUPIDOOS JUPIDOOS PER SEA JURINGERO JUPIDOOS JU	UniRef90_D8M5X7	LRPVVKNTMGPASFGHIMSSMYAC GYYGYLWSLVYSCDL
Junkergo (Jedos) Junkergo (Je	UniRef90_Z9JUJ2	II IEIVIA GII IA H PII IPRYRT GYEHHTES GGYYYYS YEWA EA ED A DS
JAMESSO DEPOSOS JAMESS	UniRef90_UPI0002F3E7A1	V V D G T A M N P A F T H I F S G G Y A A G Y Y G Y K W A E V L E A D A
JUNESSON OF THE STATE OF THE ST	UniRef90_B4RCD5	AKLGM PAELPMRHRTPQFGHIFASDGYSAGYYSYLWA
JUNESSON OF THE STATE OF THE ST	UniRef90_UPI000479DB2D	DALHMPSELL VMRHRIPQFGHUFSSDGYAAGYYSYLWA
Jinkergo WSUC25 Jinkergo WSUC3	UniRef90_UPI0003663E3A	. IL VID 5 QIVI <mark>P P R Y R 5 5 Y F 5 H</mark> II IF G G G Y A A G Y F A Y II IWA E MILID H D A
Junkelego Respontations	UniRef90_W5UC25_	Y GILIP YIVIP N T A WOLLIR F S. HILLIG Y G A K Y Y S YILIM S R A IVIA S MIVI
Jinkergo (JP10003F12626) Jinkergo (JP10003F12626) Jinkergo (JP10003F12627) Jinkergo (JP10003C1627) Jinkergo (JP	UniRef90_H2YA06	I IGII IPASEGT <mark>C</mark> MPATEGHII IAGGYDAQY YGYII IWSEIVIE <mark>C</mark> EDM
Jinkerglo UP10003F17267 Jinkerglo UP10003F17267	UniRef90_R5SED4	GLIGET PRYRSTYFNHTFGGGYSAGYYGYLWSEVLDKDA
Jainelego (Jainelego) (Jainele	UniRef90_UPI0003F17267	I IGIVIPAT PGT NMPAT FGHII IAGGY DAQY YGYII IWS FIVIFS MDM
Jinker90 UP10003C2B103 Jinker90 UP10003C2B103 Jinker90 Jinker90 UP10003C2B103 Jinker90 UP10003C2B103 Jinker90 UP10003C2B103 Jinker90 UP10003C2B103 Jinker90 UP10003E02B103 Jinker90 UP1003E02B103	UniRef90_K3WHH8	SVLEPLDEDRFLCSFSHIFAGGYYYSYKWAEILSCDA
JAIRGE90 JAIAVB JAIRGE90 JAIAVB JAIRGE90 HXRB0 JAIRGE90 HXRB0 JAIRGE90 HXRB0 JAIRGE90 HXRB0 JAIRGE90 J	UniRef90_W9RRS3	HIVIEGT HWHIVIRESHILLINGAGYYGYILIYSKCEAASILL
Jinker90 (Jinker90) (J	UniRef90_I3IAV8	SPFGY V EDTYF YASFGH L NGYSS I YYTYMWS LVI AADM
Jinkergo UPI0003F091C9 Jinkergo R4GJQ2 Jinkerg	UniRef90_UP10003C2B103	QIL VIT P P E N R D E P D W A S K II I H F A II I A P C Y Y H N Y M IL I G E IL I F A S Q IL I
Jinkel90 R4GJQ2 Jinkel90 J49684 Jinkel90 J49684 Jinkel90 J496003812788 Jinkel90 J496003812788 Jinkel90 J496003812788 Jinkel90 J496003812788 Jinkel90 J496003812788 Jinkel90 J496003812788 Jinkel90 J496003812788 Jinkel90 J496003812788 Jinkel90 J496003812788 Jinkel90 J496003812788 Jinkel90 J496003812788 Jinkel90 J496003812788 Jinkel90 J496003812788 Jinkel90 J496003812788 Jinkel90 J496003812788 Jinkel90 J496003812788 Jinkel90 J4960038128812 Jinkel90 J4960038128812 Jinkel90 J4960038128812 Jinkel90 J4960038128813 Jinkel90 J4960038128813 Jinkel90 J4960038128813 Jinkel90 J4960038128813 Jinkel90 J4960038128813 Jinkel90 J4960038128813 Jinkel90 J4960038128813 Jinkel90 J4960038128813 Jinkel90 J4960038128814 Jinkel90 J4960038128817 J4060038128814 J4060038128814 J4060038128814 J4060038128814 J4060038128814 J4060038128814 J4060038128814 J4060038128814 J4060038128814 J4060038128814 J4060038128814 J4060038128814 J40600381288814 J406003812	UniRef90_UPI0003F091C9	TIMKPLPEDRFPCSFQHIFAGGYSAGYYSYKWAEVMSADA
Jinkey	UniRef90_Q7VQ02 UniRef90_R4GJQ2	LIGIVIPAT PGT NMPAT FGHILIAGGY DAQY YGYLIWS EVIYS MD M
Jilingelso UP10003482786 Jilingelso R7L681 Jilingelso R7L681 Jilingelso UP10003682C90 Jilingelso UP10003682C90 Jilingelso UP10003682C90 Jilingelso UP10003682C90 Jilingelso UP10003682C90 Jilingelso UP10003682C90 Jilingelso UP10003682C90 Jilingelso UP10003682C90 Jilingelso UP10003682C90 Jilingelso UP10003682C90 Jilingelso K3WB38 Jilingelso K3WB38 Jilingelso K3WB38 Jilingelso K3WB38 Jilingelso K3WB38 Jilingelso K3WB38 Jilingelso K3WB38 Jilingelso K3WB38 Jilingelso K3WB38 Jilingelso K3WB38 Jilingelso C8000 Jilingel	UniRef90_A9T684	EGLPMLEGTNFSASFGHMAGGYDAAY YGYLWSEVFSADM
Jinkefelo UP1000348756	UniRef90_I4ESS8 UniRef90_UPI0003812788	
JniRef90_UP10003682C90 A	UniRef90_UPI00034B8756	LQQEQINLPEVPYRSSYFQHIWGNGYYYAYLWTEMLADDG
JniRef90_UP10003073B88 KIVD A NIP_P RY RTSNYF A HVWG G GY A A GY YA Y F G A E V L D A NT JniRef90_UP10003617A35 KIVD A MSP S F T H L F S G G Y A A GY Y A Y W S E V L D A NT JniRef90_ENVISO Ref S G G G G G G G G G G G G G G G G G G	UniRef90_UPI0003682C90	A H PIL I IP P R Y R S G Y F Q HII IF A G A G Y A A G Y Y S Y II IWS EIV L ID A D T
JAIRE690_LPI00037617A35 JAIRE690_LPI0QS68 JAIRE690_LPIQSG8 JAIRE690_DPI00022 JAIRE690_DPI00022 JAIRE690_DPI0001E89154 JAIRE690_DPI000287A64A JA	UniRef90_UPI00030F3BB8	KVDAVPPRYRSNYFAHVWGGGYAAGYYAY FGAEVLDHDA
JAIRE690, K1QVS3 JAIRE690, K3WB38 MILIDMTP DTNFAASFGHLAGGYDAQYYGYMWSEVFSMDM JAIRE690, E0SOX2 JAIRE690, E0SOX2 JAIRE690, EDSOX2 JAIRE690, EDSOX2 JAIRE690, ESWXJ5 JAIRE690, ESWXJ5 JAIRE690, C4Y506 JAIRE690, C4Y5	UniRef90_I4VZ16 UniRef90_UPI0003617A35	H A V G T A M S P S F T H L F S G G Y A A G Y Y G Y K W S E L D A <u>D</u> A F E E F
JAIRE690_DGSQ2 JAIRE690_DGSQ2 JAIRE690_DGSQ2 JAIRE690_DGSQ2 JAIRE690_DGSQ2 JAIRE690_DGSQ2 JAIRE690_DGSQ2 JAIRE690_DGSQ2 JAIRE690_DGSQ2 JAIRE690_DGSQ2 JAIRE690_DGSQ2 JAIRE690_DGSQ2 JAIRE690_DGSQ2 JAIRE690_DGSQ2 JAIRE690_DGSQ2 JAIRE690_DGSQ2 JAIRE690_DGSQ3 JAIRE6	UniRef90_K1QVS3	P S T E G T N M S A S F G <mark>H</mark> G G Y D A Q Y Y G Y M W S E V F <mark>C</mark> M M F
JniRef90_D5EKQ9 JniRef90_E6WXJ5 JniRef90_C6BWXJ5 JniRef90_C6BWXJ5 JniRef90_C8JM10 JniRef90_G8JM10 JniRef90_G8JM10 JniRef90_G8JM10 JniRef90_U700021888 JniRef90_V4CPN6 JniRef90_U7000275 L	UniRef90_K3WB38 UniRef90_F1Q5G6	LIGI PATPGTNMTASFSHLAGGYDGQY YSYLWSEVYSMDI
JniRef90_D5EKQ9 JniRef90_E6WXJ5 JniRef90_C6BWXJ5 JniRef90_C6BWXJ5 JniRef90_C8JM10 JniRef90_G8JM10 JniRef90_G8JM10 JniRef90_G8JM10 JniRef90_U700021888 JniRef90_V4CPN6 JniRef90_U7000275 L	UniRef90_D6DSQ2	GLDLPAVPPRYRSYFAHILFGGGYYAYLWTQMLADDG
JniRef90	UniRef90_D5EKQ9	Y KTQPKSNIVIENESHILIESSPTGYAAGYYSYKWAFIVI IDADA
JniRef90	UniRef90_E6WXJ5	LAKAVPPRYRTNYFSHVWGGGYAAGYYAY FGAEVLDHDA
Juiref90_H2SB14	UniRef90_C4Y5D6	ALISNGGIDNTGYSTFGHIAGGYESGYYGYLYSQVFATDI
Juiref90_H2SB14	UniRef90_G8JM10	TIL I S N G D V L T K G Y D S F S H I M S G Y S A G Y Y G Y M W S E V F A A D M
Juiref90_H2SB14	UniRef90_V4CPN6	E DIPYVEGTAWQLRFGHLVGYGYYSYLLSKAIASTI
JAIREF90_H2SB14	UniRef90_U2DSY5	LCEESPVTN PPWAFLIHHTTHPIYLHNYFMGDVTCEML
JniRef90_H2SB14 JniRef90_E2MXC1 JniRef90_A4HG35 JniRef90_B9W7U9 JniRef90_UP1000287A64A JniRef90_UP1000287A64A JniRef90_F7E621 JniRef90_F7E621 JniRef90_H2SB17 JniRef90_C0H9W4 JniRef90_C2GK84 JniRef90_C2GK84 JniRef90_C2GK84 JniRef90_C3FX66 JniRef90_W7I5V6 JniRef90_W7I5V6 JniRef90_G6EWCN1 JniRef90_G6EWCN1 JniRef90_G7EAJ5 JniRef90_G7EAJ5 JniRef90_B8TAC6 JniRef90_B8TAC6 JniRef90_UP100047D7A47 JniRef90_UP100047D7A47 JniRef90_UP100047D7A47	UniRef90_F8WZR6	IL LIP IV VIE G T N M S T S F S HII IF A G G Y A A G Y Y G Y K W A E IV L ID A D A
JniRef90	UniRef90_H2SB14	L IGIV IP A T P G T N M T A S F G H IL IA G G Y D G Q Y Y S Y IL IWS E IV IY S T D M
Jniref90	UniRef90_A4HG35	MGMT FIVIP PRY HSGY FILIHILIF AGGY ASNY YIVIY OWARIV LID <mark>C</mark> DG
JniRef90_UP100037011CB	UniRef90_B9W7U9	TILLIPSGGNTTKGYASFGHIJAGGYESGYYGYLYSLVYATDI
JniRef90_F7E621 JniRef90_H2SB17 JniRef90_C0H9W4 JniRef90_Q0ATE8 JniRef90_Q0ATE8 JniRef90_W7I5V6 AGLDGPDDPKFGHGHLAPRYQTAYFQHLFAGGYYGYYGYWADDLDDPKFGHGOWTISW JniRef90_G6FX66 JniRef90_G7EAJ5 JniRef90_G7EAJ5 JniRef90_W0HXW3 JniRef90_W0HXW3 JniRef90_W0HXW3 JniRef90_W0HXW3 JniRef90_W0HXW3 JniRef90_W0HXW3 JniRef90_U4LIY2 JniRef90_U4LIY2 JniRef90_U4LIY2 JniRef90_H1Z634 JniRef90_U4LIY2 JniRef90_H1Z634 JniRef90_U4LIY2 JNIREfYDIA JN JN JN JN JN JN JN JN JN JN JN JN JN	UniRef90_UPI00037011CB	6
JniRef90_W/15V6 JniRef90_G6FX66 JniRef90_E6WCN1 JniRef90_E6WCN1 JniRef90_G7EAJ5 JniRef90_W0HXW3 JniRef90_W0HXW3 JniRef90_W0HXW3 JniRef90_W0HXW3 JniRef90_U8EAC6 JniRef90_U4LIY2 JniRef90_U4LIY2 JniRef90_H1Z634 JniRef90_H1Z634 JniRef90_H1Z634 JniRef90_H1Z634 JniRef90_H1Z634 JniRef90_U4LIY2 JniRef90_U4LIY	UniRef90_F7E621 UniRef90_H2SB17	
JniRef90_W/15V6 JniRef90_G6FX66 JniRef90_E6WCN1 JniRef90_E6WCN1 JniRef90_G7EAJ5 JniRef90_W0HXW3 JniRef90_W0HXW3 JniRef90_W0HXW3 JniRef90_W0HXW3 JniRef90_U8EAC6 JniRef90_U4LIY2 JniRef90_U4LIY2 JniRef90_H1Z634 JniRef90_H1Z634 JniRef90_H1Z634 JniRef90_H1Z634 JniRef90_H1Z634 JniRef90_U4LIY2 JniRef90_U4LIY	UniRef90_C0H9W4	LIGVPASSGTNMPATFGHLAGGYDAQY YGYLWSEVYSMDM
JniRef90_W/15V6 JniRef90_G6FX66 JniRef90_E6WCN1 JniRef90_E6WCN1 JniRef90_G7EAJ5 JniRef90_W0HXW3 JniRef90_W0HXW3 JniRef90_W0HXW3 JniRef90_W0HXW3 JniRef90_U8EAC6 JniRef90_U4LIY2 JniRef90_U4LIY2 JniRef90_H1Z634 JniRef90_H1Z634 JniRef90_H1Z634 JniRef90_H1Z634 JniRef90_H1Z634 JniRef90_U4LIY2 JniRef90_U4LIY	UniRef90_Q0ATE8	MPSEILVIMRHRSPHFGHILIFSGEGYSAGYYGYMWADIVLTADA
JniRef90_Q6FX66	UniRef90_W7I5V6	A (4) (4 P) P K E (4 H (4 (4) 1 1 1 1 1 1 1 1 1
JniRef90_W0HXW3 A L P Y W P P R Y R S S Y F Q H I WG G G Y Y A Y L W I Q M L A D D A J N I Ref90_R5G6P1 JniRef90_D8TAC6 J L P P L P E D K S I C K F L H L F A T T E Y A A G Y Y S Y L WS E V L S S D A J N I Ref90_U4LIY2 P P Q G M G D D F G H G E A T F G H L M G G Y D A G Y Y G Y L WS Q V F S T D M J N I Ref90_J7GC85 JniRef90_J7GC85 JniRef90_Q6C0X4 A L V K N D G E S M A G Y S T F G H I M G G Y D S G Y Y G Y L W S Q V F S A D I J N I Ref90_UP100047D7A47 G L D Y A P V P P R Y R S S Y F S H I F G G G Y A A G Y Y A Y L W T Q M L A D D G G Y A A D I W S E V L D A N T	UniRef90_Q6FX66	CLISNGDQPTTGYSFGHIMSGSYSAGYYGYMWAEVFATDM
JniRef90_W0HXW3 A L P Y W P P R Y R S S Y F Q H I WG G G Y Y A Y L W I Q M L A D D A J N I Ref90_R5G6P1 JniRef90_D8TAC6 J L P P L P E D K S I C K F L H L F A T T E Y A A G Y Y S Y L WS E V L S S D A J N I Ref90_U4LIY2 P P Q G M G D D F G H G E A T F G H L M G G Y D A G Y Y G Y L WS Q V F S T D M J N I Ref90_J7GC85 JniRef90_J7GC85 JniRef90_Q6C0X4 A L V K N D G E S M A G Y S T F G H I M G G Y D S G Y Y G Y L W S Q V F S A D I J N I Ref90_UP100047D7A47 G L D Y A P V P P R Y R S S Y F S H I F G G G Y A A G Y Y A Y L W T Q M L A D D G G Y A A D I W S E V L D A N T	UniRef90_G7EAJ5	EFDG_EYAPGEGSFAHIMSGYAAGYYGYLYSLSFSADMFS
J. I. P. P. I. P. P. B. D. K. S. I. I. C. K. F. I. H. I. F. A. T. T. E. Y. A. A. G. Y. Y. S. Y. I. W.S. E. V. L. S. S. D. A. J. S. B. G. M. G. D. D. F. G. H. G. E. A. T. F. G. H. L. M. G. G. Y. A. A. G. Y. Y. S. Y. L. W.S. E. V. L. S. S. D. A. J. S. B. G. G. Y. A. G. Y. Y. G. Y. L. W. S. E. V. L. S. S. D. A. G. W. S. E. V. L. S. S. D. A. G. Y. G. Y. G. Y. L. W. S. E. V. L. S. S. D. A. G. Y. G. Y. G. Y. L. W. S. E. V. L. S. S. D. A. G. Y. G. Y. G. Y. L. W. S. E. V. E. S. D. A. G. Y.	UniRef90_W0HXW3	ALPYVPPRYRSSYFQHIWGGGYYAY LWTQMLADDA
JniRef90_U4LIY2	UniRef90_D8TAC6	I LIPPILIPEDKSII I <mark>C</mark> KFILIHILIFATTEYAAGYYSYILIWSEIVLISSDA
JniRef90_Q6C0X4	UniRef90_U4LIY2	PPOGMGDDEGHGEATEGHIIMGGYDAGYYGYIIWSOVESTDM
JniRef90_Q6C0X4	UniRef90_J7GC85	LDLPAVPPRYRSSYFSHIFGGGYAAGYYAYLWTQMLADDG
JniRef90 UP100047A8B15 QGINPPEETDYPDWAAKMHFSLIAPVISYQDYLLIGEILITASQII	UniRef90_Q6C0X4	ALVKNDGESMAGYSTFGHIMGGYDSGYYGYLWSEVFAADL
	UniRef90_UPI00047D7A47 UniRef90_UPI00047A8B15	Q G L N P P E E T D Y P D WA A K M H F S L A P V S Y Q D Y L L G E L T A S Q L

	570 580 590 600
UniRef90_R5VZN9	EVLDKDAFEAFRESGDLFNKKLAGDFRRKI LARGGRDFRG
UniRef90_A2CAT8 UniRef90_V5Z884	E D Q V R L T G A R F R D T V L S L G G S H S P A D V Y E Q F R G R P A T F A W F D E H G G L T R E N G Q R F R D N V L S R G N S E D L K Q L Y R N W R G
UniRef90_UPI0002FAB886 UniRef90_UPI0003B68EAF	VT WF E E N G G L R R E N G D A F R S R G G S L D P V Q A F R E L L G P G G W F R A A G E V F R R E L L G P G G
UniRef90_A0A023FY90	FDTRFKNPKTGMDYRRQI LIEPGSTKDAEELLIRNFGRDPTM
UniRef90_W1INL1 UniRef90_M5X8L8	FAWFTEHGGLTAENGQLFRDKVLSRGNSEDLEKLYINWRG WQKL <mark>C</mark> QEDPTGTALRTKFLQHGGAKEPSHLL
UniRef90_C3J8E7	FAWMMAHGGLNAENGDRLRSMILSK FSLFKKHGKTAQRFRDNILSKGGTEHPMTLYKRF
UniRef90_G1W8Z3 UniRef90_U3P6Y8	VEWFKENGGLSRENGERFRQRGGSKDPLEAYRDF
UniRef90_F1R6P4 UniRef90_K9E2X5	WKQCFYKDP LNRETGERYRREMLAHGGGKLQK GEWFKENGGLLRKNGDVFRSRGGTMDAVEMYR DFRG
UniRef90_UPI00039F36B6	L
UniRef90_UPI000409FDFE UniRef90_G6XHM9	VEWFKENGGLSRANGDHFRSKGGSVDAMQLFR DFRGFAWFQSHGGLTRQNGQRFRDMLLSR
UniRef90_G6AE13 UniRef90_D1BHV6	ADYFETHGALTRKVGDDFRSRGNTRDLMEIFSDFGLKAPD VEWFREN ADADGRVLNRASGDRFRAALLSRGG S
UniRef90_W0ERJ9	FAIVIFKAHGATAASFRDNII I KRGGTFN PMTII IYKRF
UniRef90_V8CPP4 UniRef90_D8M5X7	S D Y F A K H G A L T R K V G D D F R S R G N T K D L M E L F S D F F S L F K E K G L Y N Q E E G T R L R E M V L S K G A S E
UniRef90_UPI00047B466F UniRef90_Z9JUJ2	FEAFLFNPEMAKSFRENI LEKGGTEDPMI LYKRF VAWFEEQREAGDAFRAGI LALGGSRDLLEAYRAF
UniRef90_UPI0002F3E7A1	FKAFEEGGPAADAFRKHII LITQGGHEHPMKILIYIVIAFGHKPET
UniRef90_F5J3M7 UniRef90_B4RCD5	KETGIFNKETAESFRRNILEKGNTEEPMSLY VKFRG EVIALDAVEAFREAPGGLYDKGVAKRLHDHVMSVG
UniRef90_UPI000479DB2D UniRef90_Q494A9	EVIALDAVEAFRÉAPGGLYDK GVAKRLHDHVMSVG DVINADAWEAFTEGKGAYDKAVAKRLYDTVFEKAYENFRG WCRFQELG
UniRef90_UPI0003663E3A	Y
UniRef90_W5UC25 UniRef90_UPI0003FA670E	WRQ <mark>CFHKDP LNRETGERYRREMLAHGGGKLQK</mark> SEAFQ <u>ED</u> ADVAAKLVKYLFEPRNAMDPADAYRAFRGRDAD
UniRef90_H2YA06	FYSRQVLFKKGRDYRKFILKPGGSMDAEDMLRHF FEYWQSNGEMARKFRSLFLEKGGSEEPMILYHEFGADPDP
UniRef90_R5SED4 UniRef90_UPI0001FFE0E8	V A WF A E N G G L R R G N G D R F R R E G G A V D A M E A Y R A F
UniRef90_UPI0003F17267 UniRef90_K3WHH8	FHTRFKNGKVGKDYRS <mark>C</mark> I LRPGGSQDASVMLKLFGRDPRQ YGAFEEEGP <u>A</u> ARK <u>F</u> RDT <u>I L</u> ARGGGQH <u>PLQ</u> VFEEF
UniRef90_D9RV99	A D Y <u>F E</u> A <mark>H</mark> G A <u>L</u> T R K V G D D F <u>R</u> S R G N T R D <u>L </u> M Q I <u>F</u> S D F
UniRef90_W9RRS3 UniRef90_I3IAV8	WQK <mark>VC</mark> KEDPTGEALRTKFLQHGGAREPADLLK HKKGLRNPELANHFRKT <u>VL</u> EPGGSKDAAE <u>L</u> VQDF
UniRef90_UPI0003C2B103 UniRef90_H1XRB0	WKQ <mark>C</mark> FAQDP FDRAMGERYRREM <u>LV</u> HGGGKM <u>LQ</u> HMYITHH
UniRef90_UPI0003F091C9	F <u>E</u> AFQEVGLTNRDKKDT <u>VL</u> AMGGGM <mark>H</mark> PKK <u>V</u> FQNFRGRDPS
UniRef90_Q7VQU2 UniRef90_R4GJQ2	WLSFKK FHTRFKN <mark>C</mark> KVGMDYRN <mark>C</mark> ILHPGGSLDAS <u>DM</u> LRKF LG
UniRef90_A9T684 UniRef90_I4ESS8	F E T K F K N N A A G R E Y R D K IV L IA P G A T K D A S IV I L IK E F G R E P T Q
UniRef90_UPI0003812788	VEWFKENG GLRRANGDVFRDRLLARGG AEAFAEAPGGFYDKEEHLFSVRNAVDPSEAYRAF FAWFSAHGGLTRENGQRFREALLSRGNSSDLKLLYHHWRG
UniRef90_UPI00034B8756 UniRef90_R7L681	FAWFSAHGGLIRENGQRFREAILSRGNSSDLKLLYHHWRG FTRFEREG IFNSATGREFAEKILRVGNEIPPE
UniRef90_UPI0003682C90 UniRef90_UPI00030F3BB8	VEWFKENG GLTRENGKVFREKLLSKGN S FKWFEENGGLTRENGKVFREKLLSLIGHSRDLASAYREFRG
UniRef90_I4VZ16	VEWIKANGGETRANGDR <u>FR</u> SRGGSKDALQLFRDF
UniRef90_UPI0003617A35 UniRef90_K1QVS3	H N G
UniRef90_K3WB38 UniRef90_F1Q5G6	FKFGIMNPKTGIAYRFILLISRGGSIDASFQIKFFGRFPNQ
UniRef90_D6DSQ2	FFTRFKNPKVGREYRRVVLEAGGSVDGMEMLKTFGREPCQ YQWFVEQGGLTRVNGQKFREAGNSTDLAELYR
UniRef90_H2MCK5 UniRef90_D5EKQ9	WKQ <mark>CFIQDP LNRAMGERYRREMLAH</mark> GGAKPTT FTRFQKEGILNATTGRAFRSMGNSEDPAKLIFKDFMGRAPD
UniRef90_E6WXJ5 UniRef90_UPI0001E89154	FTRFQKEGILNATTGRAFRSMGNSEDPAKLFKDFMGRAPD FQWFRENGGLTRENGKVFREKILSIGHSRDLATAYREFRG YQHIKNNEEFFSLKVGAFIRD
UniRef90_C4Y5D6	YYTHFKSDPMN V ERRDT IL KNGGSKE IL D IL EE L GRAPNS
UniRef90_G8JM10 UniRef90_T0I8A8	Y H T M F A P N P L D T R Y R D L L A K G G L R D L E D S L E E F G R E P N N WA W V V K N G G M T R A N G D H F L G Q G H T K D F A D L Y R D F
UniRef90_V4CPN6 UniRef90_U2DSY5	WNKYFEKDP LNRSMGEKFRYNFLAHGGGQPSK FKVFEE
UniRef90_A0Z609	V E W F I E N D G L Q R D N G D H F R S R G G S E D A M T L Y R N F
UniRef90_F8WZR6 UniRef90_H2SB14	FALFKQNKDTARSFRENTLEKGNTEEPMTLYVKF FFSRFKNPKVGREYRKVILEAGGSADGTDMLKTFGREPRQ
UniRef90_E2MXC1 UniRef90_A4HG35	A E V L D A D G F G W F T D N G G A T S G G S H F R E E L S R G G D F
UniRef90_B9W7U9	FEWFLESGGLTRENGDHLRACVLSVGNSVDANVAYEKFAG YYTLFKDDPMNVENRDLLLKPGGSKELMDLVELLGREPNS
UniRef90_UPI000287A64A UniRef90_UPI00037011CB	Q R YII IF K N T DII IF T F K IV IG F F
UniRef90_F7E621	A E A F A E A P G G F Y D E E M A L F S V R N A M D P A E A Y R K F F Y S C F K N P E V G M K Y R N L I L K P G G S Q D G M D M L Q S F F S R F K N P K V G R E Y R K V I L E A G G S A D G T D M L K T F G R E P R Q
UniRef90_H2SB17 UniRef90_C0H9W4	EVAREKNPKIVIGII IGVRN <mark>C</mark> II I IKPGGSEDAEII IMII IK NEII IG
UniRef90_Q0ATE8 UniRef90_C2GK84	A É A F Q D A P G G F Y D L V E Y L F A P R N S M D P A E A Y R L F Y L WA E A L D A D G F S W F T E T G A A G A E D V P A S T V R E A G Q R F R D
UniRef90_W7I5V6	YKKNPMDPESGRRYRHEVLEKGGSRDEMESLKAFGREPNS YYTKFKADPLNPEKYRDI VLARGGLYELDLEEFLGRKPAK
UniRef90_Q6FX66 UniRef90_E6WCN1	T Q ML A D D G Y Q A F E E R G G L TRENGQH F R E Q L L S R G N
UniRef90_G7EAJ5 UniRef90_W0HXW3	T Q MLA D D G Y Q A F E E R G G L T R E N G Q H F R E Q I L S R G N Q W G D E P I D K A G K R Y R K S I L Q P G G S R D E L D S L K E F G R E P S N Y A A F E E Q G G L T A A N G R R F R A M I L S R G N S Q D L Q Q L Y R D W R G G E Y F T K N G A L N P E V G R A F R D K V L S K G N T E D L A Q I F S D F T
UniRef90_R5G6P1	GEYFTKNGALNPEVGRAFRDKVLSKGNTEDLAQUFSDFT
UniRef90_D8TAC6 UniRef90_U4LIY2	FYTAFKKAPMDPEQGRRYR <mark>H</mark> KGGSRDEMESILKEFGREPNS
UniRef90_H1Z634 UniRef90_J7GC85	Y A WILLIEN G GILLIS PRN G FILLLIRK MILLES R G N LIVIPILLID KILLY R D F R G
UniRef90_Q6C0X4	Y Q W F V E Q G E N G Q K F R E A L L S R G N S T D L G E L Y R Y Y T R F K D D P M S T K S G L D Y R K A G G S R D E L E G L K E L G R E P N N VE W K A N G G L K R E N G D R L R E T L L S R G G A K D A R Q L F V D F T G
UniRef90_UPI00047D7A47 UniRef90_UPI00047A8B15	VE WI K A N G G L K R E N G D R L R E T L L S R G G A K D A R Q L F V D F T G S H Y I Q T H L S E N L Y K L E K F F K P G L S M H W N D L I R S A G E Q L T P
JIII (0100_01 100041 A0D 10	Chilip Chilip Chilip Kili Kilolowii Whole i Konge Qle i P

```
{\sf 610} K D P D K R A MLR G R GL LN E P E
UniRef90_R5VZN9
UniRef90_A2CAT8
UniRef90_V5Z884
UniRef90_UPI0002FAB886
                                    RDAEIDAM
UniRef90_MINL1
                                    DAFLRS
KPP
UniRef90_M5X8L8
UniRef90_C3J8E7
UniRef90_G1W8Z3
UniRef90_U3P6Y8
                                    R P S M E D F V K A L V S D L D D F E T F I M R D P V I E
UniRef90_F1R6P4
UniRef90_K9E2X5
UniRef90_UPI00039F36B6
UniRef90_UPI000409FDFE
UniRef90_G6XHM9
                                    R D P
UniRef90_G6AE13
                                    TKALLKA
TDPMQ AFGELRGRAPELAPLLAR
UniRef90_D1BHV6
UniRef90_W0ERJ9
UniRef90 V8CPP4
UniRef90_D8M5X7
UniRef90_UPI00047B466F
UniRef90_Z9JUJ2
UniRef90_UPI0002F3E7A1
UniRef90_F5J3M7
                                    KALIEK
QEPSVDAL
UniRef90_B4RCD5
UniRef90_UPl000479DB2D
UniRef90_UPl0003663E3A
UniRef90_UPl0003663E3A
UniRef90_UPl0003FA670E
UniRef90_UPl0003FA670E
UniRef90_UPl0003FA670E
                                   RPSIEDFVDALVSELD
UniRef90_UPI0003FA070E
UniRef90_H2YA06
UniRef90_R5SED4
UniRef90_UPI0003FFE0E8
UniRef90_UPI0003F17267
                                    DALVRA
                                    DAFL
UniRef90_K3WHH8
UniRef90_D9RV99
UniRef90_W9RRS3
UniRef90_UPl0003C2B103 KAPVEDFVDALVSDLEQ
UniRef90_H1XRB0
UniRef90_UPI0003F091C9
UniRef90_Q7VQU2
UniRef90_R4GJQ2
UniRef90_A9T684
UniRef90_I4ESS8
                                    REPKQDAF
EAFLRS
UniRef90_UPI0003812788
UniRef90_UPI00034B8756
UniRef90_R7L681
                                    QEP
                                    RDPLE SFRLFRGRDAELAPLLKR
KDPSVEPLLEFRGL
UniRef90_UPI0003682C90
UniRef90_UPI00030F3BB8
UniRef90_I4VZ16
                                    DALLRRS
EAFL
DAFL
DAFFQ
UniRef90 UPI0003617A35
UniRef90_K1QVS3
UniRef90 K3WB38
UniRef90_F1Q5G6
UniRef90_D6DSQ2
UniRef90_H2MCK5
                                    EDFVEALVSELDPNFDTFI
UniRef90_H2MCK5
UniRef90_D5EKQ9
UniRef90_E6WXJ5
UniRef90_UPl0001E89154
UniRef90_C4Y5D6
UniRef90_G8JM10
UniRef90_T0I8A8
UniRef90_V4CPN6
UniRef90_U2DSY5
UniRef90_A0Z609
UniRef90_F8WZR6
UniRef90_H2SB14
                                    DAFLQEIL
KAFLKE
                                                            DLVQGMLNEIETLVDSL
                                    DAFFQ
UniRef90_H2SB14
UniRef90_E2MXC1
                                    RKANMKAFLRINGLLGE
EAFF<mark>H</mark>EIF
UniRef90_A4HG35
UniRef90_B9W7U9
UniRef90_UPI000287A64A
UniRef90_UPI00037011CB
UniRef90_F7E621
UniRef90_H2SB17
                                    REPKQEAFLLSKGLTVELEA
UniRef90_C0H9W4
UniRef90_Q0ATE8
UniRef90_C2GK84
UniRef90_W7I5V6
UniRef90_Q6FX66
                                    KAFFKE
DAFLEE
UniRef90_E6WCN1
                                    KAFMDMLL
KDPAISAMLKHRGLAED
UniRef90_G7EAJ5
UniRef90_W0HXW3
UniRef90_R5G6P1
                                    R G P S N A L L R H R G L V D A F F E D K D P N D A
UniRef90 D8TAC6
UniRef90_U4LIY2
UniRef90_H1Z634
UniRef90_J7GC85
UniRef90_Q6C0X4
UniRef90_UPI00047D7A47
                                    DAFLKE
                                    HEP
RYFVDEFM
UniRef90_UPI00047A8B15
```

```
10
                                                                                                                                                                                                                                                                                                                                                                                                                                           40
                                                                                                                                                                                                                                                                  20
                                                                                                                                                                                                                                                                                                                                                       30
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09
UniRef9U_GUN1F7
UniRef9U_S9TA09
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_BF0V9L3
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_G0E6A9
UniRef90_G7LV22
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_W5WPJ5
UniRef90_UPI000273AB7B
UniRef90_UPI000273AB7B
UniRef90_UPI0004733AB7B
UniRef90_I0GLM9
UniRef90_P12821
UniRef90_B0JE13UJJ7
UniRef90_G3X795
UniRef90_G3W5G4
UniRef90_G0W5G4
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_T1IK18
UniRef90_B8MCP2
UniRef90_U6DTW4
                                                                                                                                                                                                                                  RQRTLTTGQKLLKMSKISGI
                                                                                                                                                                                                                                                                                                                                                                                                                          K C C
UniRef90_G0S7K9
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
UniRef90_USJP73
UniRef90_USJP73
UniRef90_ASP713
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_K3XF55
UniRef90_M3B880
UniRef90_M3B880
UniRef90_M3B880
UniRef90_C5FFJ8
UniRef90_UPI0002B47019
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_UPI0003C8DB15
UniRef90_UPI0003C8DB15
                                                                                                                                                                                                                                                                                                             EIKRLADRIIAKAKET
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_UPI0003F05CA3
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8F7S0
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPI00037164CF
UniRef90_UPI000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
```



UniRef90_UPI0004417218 UniRef90_V5CN13	9	90	100	110	120
UniRef90_V5WL70 UniRef90_F0ZGU0 UniRef90_B7GDX9 UniRef90_E1ZJ43 UniRef90_UPI00036167A0 UniRef90_L7UI67 UniRef90_B7VSE6 UniRef90_G4LW94 UniRef90_B7GQ4 UniRef90_UPI000225EBBE UniRef90_UPI000225EBBE UniRef90_F9TNC8 UniRef90_A3GFY2 UniRef90_V2IHQ8 UniRef90_U2IHQ8 UniRef90_U2IHQ8 UniRef90_F9SBR6 UniRef90_UPI0003B5BE17 UniRef90_B0WWV4 UniRef90_B0WWV4	F E N T I VA L E H	⟨SGRM∐GR <u>\</u>	7saVff <mark>h</mark>	∐T G A N T T D	
UniRef90_A97312 UniRef90_G0NTF7 UniRef90_S9TA09 UniRef90_L7ZL13 UniRef90_B0G4W1 UniRef90_F6V9L3	F∏FKFN!	S F A F F [] S H () S S I D A S W	N K L L	K E L S V
UniRef90_UPI00030144E6 UniRef90_V4NDH7 UniRef90_A7RJZ8 UniRef90_M2UJB9 UniRef90_S2J172		<i>,</i>			
UniRef90_G0E6A9 UniRef90_E0VYZ8 UniRef90_G7LV22 UniRef90_G3RZV1 UniRef90_W5WPJ5	Y L K K [N E	EEVQVKTTE	S VVASW	R Y E S N [T D E N [QNQLD
UniRef90_C6DED8 UniRef90_G8PJG6 UniRef90_UPl000273AB7B UniRef90_I0GLM9 UniRef90_P12821	FLENFT F IKELLSKVNS	KAAEDVSYG SDLERLYKA	QSSLASW YALAYW	N Y N T N L T D E N N [N L A T T G K E E Y A	D VQKMN RELER
UniRef90_A2QM17 UniRef90_G3X795 UniRef90_I3UJJ7 UniRef90_G0W5G4	ASKFVEEYDF	R T S Q <u>V V</u> WN E	YAEANW	NYNTNLTTETS	KILLQ
UniRef90_K1Z719 UniRef90_B3RUA8 UniRef90_T1IK18 UniRef90_B8MCP2 UniRef90_U6DTW4	Y D N V I K K L A I	O WLT K Y N K C DIE <mark>C</mark> D F L T Y	NNFKVG SSPLEF	WA G N G T V K Q Q A [P K Q V S T K E R	I K F V M N A A A Q
UniRef90_G0S7K9 UniRef90_W5JI07 UniRef90_UPI00033430F5 UniRef90_UPI0002E722D0	I VA ALEKYDI TKKFLETFNI	R E V K Y <mark>H C</mark> N F R E A E E L S Y N	R N A I A N W I S S L A S W	NVATDTENVTL DYNTNLTDENV	Q E V Q N Q K M N E
UniRef90_W4Y117 UniRef90_B8MXG0 UniRef90_UPl0004624847 UniRef90_UPl00036812F3 UniRef90_C3Z9J8 UniRef90_UPl0004438A24 UniRef90_U3JP73 UniRef90_A5P713 UniRef90_W4WZE4 UniRef90_K1R5X4	FLEEFNI	R R A E D S Y E	:NS∏ASW	N Y N T N 🗌 T E D N A	NKMSA
UniRef90_Q7NGM5 UniRef90_K3XF55 UniRef90_A0A059KY41 UniRef90_M3B880	E DVR K A S A E	E A E N R L D S H	ŀF∇M <mark>C</mark> RQ	R E D V Y R V I	KAFAV
UniRef90_A9L194 UniRef90_C5FFJ8 UniRef90_UPI0002B47019 UniRef90_C7ECU7 UniRef90_UPI0003614BB7 UniRef90_UPI0003C8DB15 UniRef90_T1EFC3 UniRef90_C3Z9J6	LS N E L C K V A I	DLAEFVRVA QEAEDLSYG	HPTKSF SSLASW	E H A A E S T S F E II N Y N T N II T E E N A	G G Y VE Q K M N E
UniRef90_A1S6L6 UniRef90_F7CNA8 UniRef90_A0A059FB28 UniRef90_V9KD42 UniRef90_A0A024EBY6 UniRef90_UPl0003F05CA3 UniRef90_A4CBQ1 UniRef90_K8EZS0	AFLKEFD	ГК S Q D <u>L V</u> Y к	≾SS∐ASW	E Y N T N [[T D E N []	DKMNE
UniRef90_UPI0002B8E860 UniRef90_I1DZ25 UniRef90_Q16W80 UniRef90_UPI00037164CF UniRef90_UPI000477EACD UniRef90_K7A9D9 UniRef90_F4QLE0 UniRef90_D7KVN0	MKQILQQYD VLAVDDTDAF	FEVRSY <mark>C</mark> NR RLDEAMGII	R QVQ A N W E T L A MV	NVATNTENTTF KHDGDTWELAS	Q E E Q N G A <mark>C</mark> R D

		130		140	150	160
UniRef90_UPI0004417218 UniRef90 V5CN13						
UniRef90_V5WL70						
UniRef90_F0ZGU0 UniRef90_B7GDX9						
UniRef90_E1ZJ43 UniRef90_UPI00036167A0						
UniRef90_L7UI67		VA Q D	LSGQD	AQTRKWMI	EKVLRDFRRSGVD	RDD
UniRef90_B7VSE6 UniRef90_G4LW94						
UniRef90 A3YGQ4					KAVYDNRAAMSED	A 1/ I
UniRef90_F9TNC8	K L D E I N I	ELISPK	LSALIN	PELFARVI		
UniRef90_A3GFY2 UniRef90_U2IHQ8					E Q R E E [D K K E R	I K R I R F
UniRef90_A0A059F6D2					DKKEK	
UniRef90_F9SBR6 UniRef90_UPI0003B5BE17						
UniRef90_B0WWV4 UniRef90_A9F3Y2						
UniRef90_G0NTF7			0 = = 0			
UniRef90_S9TA09 UniRef90 L7ZL13	K [L]G Q A G W	M <u>V</u> TST	GEESW	N D A L E V A (QNEWKRYLSDTER	F A L
UniRef90_B0G4W1	A C A D W C A			0.4	LT D A T[CKLAKTYPLEE[Q	LAQ
UniRef90_F6V9L3 UniRef90_UPI00030144E6	AGARWSA	FIEE		Q	O NEAKITPLEELIQ	IN L I
UniRef90_V4NDH7 UniRef90_A7RJZ8						
UniRef90_M2UJB9						
UniRef90_S2J172 UniRef90_G0E6A9	_		_		_	
UniRef90_E0VYZ8 UniRef90_G7LV22	F F V S A	KLANY	TKEVW	K E T I K Y P Y	WKTFKDEDV KRQ RR <mark>HH</mark> LAALEDSPA	F K K
UniRef90_G3RZV1	L L [V]S A	NI SAA	LOAIN	KI <u>L</u> AQFQI	N N II II E A A E E D 3 P A	NDE
UniRef90_W5WPJ5 UniRef90_C6DED8	EVSERFS	AAESA	YKRFI	SQPRRLAI	ELRTQLATLESSP	RDE
UniRef90_G8PJG6						
UniRef90_UPI000273AB7B UniRef90_I0GLM9	EAAANWS	EVELK	LYLSN	R A R D L F E M L I	Y P L N E I S K E S L E Q F G E N L D P [A Y P L D K
UniRef90_P12821 UniRef90_A2QM17						
UniRef90_G3X795			4 D K E D	7N 0 0 0 N 7	- UV B U V V V O B	
UniRef90_I3UJJ7 UniRef90_G0W5G4	KNMQIIAN	KYGIQ	ARKED	VNQLQNT	TIKRIIKKVQD	L]E R
UniRef90_K1Z719 UniRef90_B3RUA8	W/	K IIV L K	NTWVO	WNV CT NIT	T Q N A K Q A E Q Q A	Прр
UniRef90_T1IK18	KLQDFDV	E MS MR	K D TY D	KVEYFQEI	T S H N A K L S A E S S A [K N K F K M H T L D P E A	KRY
UniRef90_B8MCP2 UniRef90_U6DTW4						
UniRef90_G0S7K9	NVCDEVA	KEDNE	V V F O V			
UniRef90_W5JI07 UniRef90_UPI00033430F5	AGAKWSA	FYEEK	YYEQY	S K D A II V E I	N Y K D E K V R K Q L R L A E R F Q L D M L Q D P L	V K L
UniRef90_UPI0002E722D0 UniRef90_W4Y117						
UniRef90_B8MXG0						
UniRef90_UPI0004624847 UniRef90_UPI00036812F3						
UniRef90_C3Z9J8 UniRef90_UPI0004438A24						
UniRef90_U3JP73	RWSAFYE	EASGN	ASRFS	A D S [[T D D [T K L Q L Q L L Q E R G	SS
UniRef90_A5P713 UniRef90_W4WZE4						
UniRef90_K1R5X4 UniRef90_Q7NGM5						
UniRef90_K3XF55	K G E R \square G P	EATRF	LQCLV	KEFERNG	VKLSQ <mark>H</mark> KRKEMEK[L K S
UniRef90_A0A059KY41 UniRef90_M3B880						
UniRef90_A9L194						
UniRef90_C5FFJ8 UniRef90_UPI0002B47019	KLNTHYD	LYSAL	NNSFQ	K <mark>C</mark> :	S E QLD PVT K MVA S[L F L
UniRef90_C7ECU7 UniRef90_UPI0003614BB7	AAKWSA	FYEE		Q :	SKLAKNYPLQDVQ	N L T
UniRef90_UPI0003C8DB15						
UniRef90_T1EFC3 UniRef90_C3Z9J6						
UniRef90_A1S6L6 UniRef90_F7CNA8						
UniRef90_A0A059FB28					2.2.4	
UniRef90_V9KD42 UniRef90_A0A024EBY6	ESAKWSA	FYQQA	SDDSS	K F N I N E I :	S ט N 🗀	
UniRef90_UPI0003F05CA3						
UniRef90_A4CBQ1 UniRef90_K8EZS0						
UniRef90_UPI0002B8E860 UniRef90_I1DZ25						
UniRef90_Q16W80	KUSLEYA	KFRTD	0 4 🖂 = =	FYEQYI	F K D A QVQ N Y E D P K S P I A A S F D E S R K A	VRK
UniRef90_UPI00037164CF UniRef90_UPI000477EACD	A V A Q Y K T	⊨ K M S N	Q A L F R	AYQR <u>L</u> AQ	S P [L]A A S F D E S R K A [∟K R
UniRef90_R7Z2U0					KRDR	FKE
UniRef90_K7A9D9 UniRef90_F4QLE0						
UniRef90_D7KVN0						

UniRef90_	_UPI0004417218		170		180		190	200
UniRef90_ UniRef90_ UniRef90_	_V5WL70 _F0ZGU0							
UniRef90_ UniRef90_ UniRef90_ UniRef90	_E1ZJ43 _UPl00036167A0	A T R A R W K	E∏NEE	L V R L G	OFFS	R N MITO D T	R T VS L P P S A	√∏n G
UniRef90_ UniRef90_ UniRef90	_B7VSE6 _G4LW94	AIKAKUK	_ <u>_ </u>		QLIO	K W W E Q D T	K I WOEI I OF	(
UniRef90_ UniRef90_	_UPI000225EBBE _F9TNC8						ELSTVTTEF	
UniRef90_ UniRef90_ UniRef90_ UniRef90	_U2IHQ8 _A0A059F6D2	V K R E L S E	L A L T F	G Q N N L	KEQA	RFRLWVE	ELAGVP DDAQVTGLF	PESA
UniRef90	_UPI0003B5BE17 _B0WWV4							
UniRef90_ UniRef90_ UniRef90	_G0NTF7 _S9TA09	IT K HLE N	K QLT S	L Q Q R C	LTEL	H H L M I N Q	QLD P QLA E F	RSTR
UniRef90_ UniRef90_	_B0G4W1	Y A Y Y L D T V K R Q L Q A	E S Q E K L Q Q S G	A E R Y H S S V L S	S K E S A D K S	A Y T D S F E K R L N E I L	K T S S L F Q R A N T M S T L Y S T	G K V
UniRef90_ UniRef90_ UniRef90_	_A7RJZ8 _M2UJB9							
UniRef90_ UniRef90_ UniRef90_	_G0E6A9 _E0VYZ8	FSVLGTA	I L S S D	KYEKY	D K I	<u>V</u> SEMQ	SVYGKA	¬
	_G3RZV1 _W5WPJ5		MKKR	MSEL <mark>C</mark>	LDF N	KNLNEDD	E I T A A E S A L T F L V F S K A E	LGA
	_G8PJG6 _UPl000273AB7B						EIIAAESAL NTMSTLYST EIESLYTNY	
UniRef90_ UniRef90_ UniRef90_	_P12821 _A2QM17							
	_I3UJJ7 _G0W5G4	A A L P A Q E	A M K K R L E E Y N	MSEJL <mark>C</mark> K <u>ILL</u> D	METT	K N L N E D D Y S V A T V C	T F L V F S K A E H P N G S <mark>C</mark> L Q L	E L G A L E P D
UniRef90_ UniRef90_ UniRef90_ UniRef90	_B3RUA8 _T1IK18	K G H S L Q N V E R L I K L	VSINS GRRNG	EIDRC LHLL <mark>C</mark>	L R L A L S F Q	T F I P A S Q N M N E E N	A G S P E S E E L T V L E Y T E K C	V G V Q L Q G
	_U6DTW4 _G0S7K9	□G T A		A L P A	AKLE	A Y N R V M R	R M D S A Y Q L A	A E V C
UniRef90_ UniRef90_ UniRef90_	_UPI00033430F5 _UPI0002E722D0 _W4Y117	QLK SLQQ	KGSSA	TEEKI	Q R L N	TILNEMS	R M D S A Y Q L A T I L Y S T G E V C	NPH
UniRef90_ UniRef90_	_B8MXG0 _UPI0004624847 _UPI00036812F3							
UniRef90_	_UPI0004438A24 _U3JP73			V L S	PEKY	NRLGTVL	N T M S T 🔲 Y S T	GTV
UniRef90	_W4WZE4 _K1R5X4							
UniRef90_	_A0A059KY41	H IDE	LNLKY	LQNLN	DFTK	FLLLSED	ELAGMPFEF	EK D
UniRef90_ UniRef90_	_A9L194	EDEE OS G		FKK K	RAWE	MHFASITMI	∏GARETON A	A O K P
UniRef90_ UniRef90_		İKRQÜQA	LQQSG	S S A L S	ADKN	KQĹNTĹĹ	LGARFTQNA NTMSTLYST	ĞKV
UniRef90_ UniRef90_ UniRef90_	_T1EFC3 _C3Z9J6							
UniRef90_	_F7CNA8 _A0A059FB28	IK LQLN S	L Q D K G	S G <u>V</u> LIS	KEEQ	D <mark>H</mark> L N E V Q	N E M S K 🖂 Y S T	GTV
UniRef90_ UniRef90_ UniRef90_	_A0A024EBY6 _UPI0003F05CA3 _A4CBQ1							
UniRef90_ UniRef90_ UniRef90_	_K8EZS0 _UPI0002B8E860 _I1DZ25						EADLNQYN	
UniRef90_ UniRef90_ UniRef90_	_Q16W80 _UPI00037164CF _UPI000477EACD						DAAYQLAEN ENASSAWSK	
UniRef90_ UniRef90_ UniRef90_	_R7Z2U0 _K7A9D9 _F4QLE0	LKKRLSE	<u>I</u>]G∏Q F	QKTLN	EENG	GLWFTLE	E L D G L P K D [LDN
UniRef90_								

210 220 230 240 UniRef90_UPI0004417218 UniRef90_V5CN13 UniRef90_V5WL70 UniRef90_F0ZGU0 DRQTRENT DAQGREQEGS LPS LMTN I RTS DS EQER L YSNSPSLRRQ MRTNDDEALRKA TNRAVRER UniRef90_B7GDX9 UniRef90_E1ZJ43 UniRef90_UPI00036167A0 UniRef90_UPI00036167AU
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_D43YGQ4
UniRef90_UPI000225EBBE
UniRef90_UPI000225EBBE
UniRef90_UPI000225EBBE
UniRef90_UPI000225EBBE
UniRef90_UPI000225EBBE
UniRef90_UPI000225EBBE
UniRef90_UPI000225EBBE
UniRef90_UPI000225EBBE
UniRef90_UPI000225EBBE
UniRef90_UPI000225EBBE
UniRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIRef90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNIREf90_UPI000225EBBE
UNI LPDDYVRAHAPGADGKVTLTTDYPDLIPFMYSRDAKAREQ MT YVN E A G Q E T E G S L P V L G S A V R S N S S E Q V R
G Y R F T L N R G D V E D F L T S E R R D L R E
WK L T L Q P F V V Q N F L Y C P D R T Q R W UniRef90_UPI0003B5BE17 UniRef90_B0WWV4 UniRef90_A9F3Y2 UniRef90_G0NTF7 UniRef90_S9TA09 KYGLPSQIYSPVSNSLDSSKRKM MTKELVDIFNSYRPTIQNQHVSNNDIRTILESLDPEERKQ UniRef90_L7ZL13 UniRef90_B0G4W1 UniRef90_F6V9L3 QYSDVFRSYIGEDKASRIENSLIYSDEAIALKQQKNKLLQ CNPSNPQECLL HDGWLLTLDQNTYRQIMTHQNRALREE DNRETRKK UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0VYZ8
UniRef90_G7I V22 WLLALTNTTQQPALQAADRQTRHN
KVCNYHNRTDCSLQLEPELTEIFTESRDPNELKY
RKGYEMTH LDANGERVAASLGELLTNQATNDNEAYRQ
LPDDFIDSLEKTDDDKYKI TLKYPHYFPVMKKETRRRMEM
KDALRAEAKEAGHEGWLI RIGLPSVQPI LESLDHPERRR
RKSYEMTH LDAKGERVSASLGELLTNQTTNDTEAYRQ UniRef90_E0VY28
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_C6DED8
UniRef90_G8PJG6
UniRef90_UPl000273AB7B
UniRef90_I0GLM9
UniRef90_P12821
UniRef90_P12821 CNPKNPQQCLLLEPGLDKI IDGKEVSTNDIVEILK MEESRDYYERLW TSTDIEERKK QTRRD
LPDDFINSLEKTDGDKYKITLKYPHYFPVMKKCCVPETRR
LTNVMATSRKYEDL LWAWEGW RDK
TNEKKYKVTFKYPDIFPVLTAKNPKTRKI
FNFRVSERGQEKVVTANDIQTVLETAKDLKQRQ
NNEMDRLYSTGKACNGTTYSLNPGLDGILAKSRDYNELLF
LPDDFIQSLEKLENGKRKVTLKYPHSLPIMKCQNSYTRNE UniRef90_A2QM17 UniRef90_G3X795 UniRef90_I3UJJ7 UniRef90_G0W5G4 UniRef90_K1Z719 UniRef90_B3RUA8 UniRef90_T1IK18 UniRef90_B8MCP2 UniRef90_U6DTW4 UniRef90_G0S7K9 K V T L K Y P H Y F P L L K C H V P E T R R K P G D P K W T L D P E L E R V M A E S S D Y D E L V Y L E P G L D D I M A T S N D Y E A K L W P M H L D E Q G E L V A A S L G E L L T N Q A T N D N E A H R R UniRef90_W5JI07 UniRef90_UPI00033430F5 PYDNQNCQPGDPKW NPQECLL UniRef90_UPI0002E722D0 UniRef90_W4Y117 UniRef90_B8MXG0 T R K D Y A E N P E T R R V Y S R S P Q A R E Q UniRef90_UPI0004624847 UniRef90_UPI00036812F3 UniRef90_C3Z9J8 UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_UJ3JP73
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55
UniRef90_M3B880
UniRef90_M3B880
UniRef90_A9L194
UniRef90_UPI0002B47019
UniRef90_UPI0003C8DB15
UniRef90_UPI0003C8DB15
UniRef90_UPI0003C8DB15
UniRef90_UPICCS LEPGLDALMADSTDYYERLW CKINNPSECLV SSHDPEELKH GKET<mark>C</mark>LQINELSRILTSRDPQELLD KVPLSSYHVTPILEH<mark>C</mark>KVGSTRK HEGWLIPLDENTYQQIMYAENRALREE LEKADGKL MAESRDPATLLE RLFSVSKWPKEIPIPFKTNKSKIIVDSNYSESSDPKLREI CNPKNPQECLL LEPGLDDIMATSTDYNERLW YCREESGDEKCYTLTEMGQMM ATNRD PE SSRNYAMLLF DSSGKCYPLDPDLSGVIAKSNDLDELTW UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_V9KD42
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8F7S0 LTQPELSALMESRDPELLKE

MAKSTDYNERLW

EYKGEMINLDQASTIIE TSRDPEELKA

KPNNPSDCLGLEPGLTILLA ESKDYNERLW

HDGWLMRLDQDTYTRVMYAEDRSLREE

IPLDPDLTRLMATSRDYDELKW DLKQYKLDEASGKKVSLKAPDVMPIMQFCDNPKSREGMEATYSTATVTMPDGRVLNLDPDLTALMATSRDYNELKYLSLGEMSALMSSRDYDEQLETYCKDRLALNARQAGHECWLITLDQDTCNQVMYAEDRPLREEKDGYLRKK UniRef90_K8EZS0 UniRef90_UPI0002B8E860 UniRef90_I1DZ25 UniRef90_Q16W80 UniRef90_UPI00037164CF UniRef90_UPI000477EACD UniRef90_R7Z2U0 EKGQGENEGKVRLTFKYPDYFPTMKYAKRDVRQK UniRef90_K7A9D9 UniRef90_F4QLE0

UniRef90_D7KVN0

WKGKTYNLTEASNV MATSRDPATLRA

250 260 270 280 UniRef90_UPI0004417218 LFKSWLRTERNDANDTRALVLRLAQLRAQQAHLLGFDDFASSHRALLDLEQWV LENGFLELVKLRNRLARSLGYANYF UniRef90_V5CN13 UniRef90_V5WL70 UniRef90_F0ZGU0 VYLESHTA VPENLELLDGLVRVRYELAQALGFDSAYE GLRSIGPFVAEHFAEIVKVRNRLAKAAGYRNLMASLARGSHGGKFDNTAVVLELAKLRAEKAALLGYASMWRTFRQR GYPSNTDVLQRMVARRHELASLLGYRNLLANGFIELIKKRNQFAQSLGFKT UniRef90_B7GDX9 UniRef90_E1ZJ43 UniRef90_UPI00036167A0 UniRef90_L7UI67 UniRef90_B7VSE6 UniRef90_G4LW94 TSHQALDLEQWV LNNGYIELIKKKNQFAQSLGF

TSHQALDLEQWV LNNGYIELVKQRNEFARDQGY

LFMASYHRADGTTDDTRDLVAKIVALRAEKAALFGE

AHEAL LGLEQWLLQNGFIELVKRRNAFARSLGY

AFI ANQNKCPANAEILDTIIRTRFELAKKLGY

MYRKMSLGAVEGEFDNRDVIRRLENLAQLLGH

LA AEAQNRAYPDNVASLRGILEKRYELATTLGY

SAHQALLGLEQW LVNGFIELIKKRNKFAQSLGF

VWRAFTGRCDGGAHDNWPIIDEIVTLRHERARLLGF

LWQADTRKCSNHTDENSTHLEVIRGLRKRQAKLLGF

ALALYVLFTNRGGEKNVKLIDRLLALRSEKAKMLGY

VYNTFYR HDDRQEKYLRNLISSRHQLALLTGF

AWLASKQIGKQVCDR ALQLIQQRNEEARTLGY

RYETLI TQGAKEQELKQLYIDLVNTNNAFAQSFGY

AWEGWRSEVGKQLRPLYEEYVVLKNERARANNYEDY

VAIGFRNR GYPANAPVLKTLLEKRYELARVLGY

VSKFLSDLAIKLHPLADAELKTMLDLKEQECKQLGH UniRef90_A3YGQ4 UniRef90_UPI000225EBBE UniRef90_F9TNC8 UniRef90_A3GFY2 UniRef90_U2IHQ8 UniRef90_A0A059F6D2 UniRef90_F9SBR6 UniRef90_UPI0003B5BE17 UniRef90_B0WWV4 UniRef90 A9F3Y2 UniRef90_G0NTF7 UniRef90_S9TA09 UniRef90_L7ZL13 Y A Y G Y E Y S H P UniRef90_B0G4W1 UniRef90_F6V9L3 UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_S2J172
UniRef90_G0E6A9
UniRef90_E0V/Z8 N F D Y LFAGWTRNQKGDANDTRELVLRLAEIRARKAELLGVADYAYWEQWRNAAGKPVRDLYKQYVALSNEAAVLNNFTDTSEFWSSQQALRDLEQW LLRNGFPELIGLRNRFARQMGYRNYFAFNTRCKEKSKAQLTQLRTWRITLCMFLFYAFHFSFKIHLVHEASLNRAKGITDL TLLNIVRLRANRAELLGFDTHASSQQALRDLEQW LLQNGFPELISLRNRFARQMGYRNYFWKGWRTVSPPMKDMYAEMVGIANQGSSELGFKDTSVWKGWRTVSPPMKDMYAEMVGIANQGSSELGFKDTSVWEGWRSKVGKEMRPL YEEYVDLKNRELAKGNDYEDYGAYLASKSIGEVIAPKLIDLIKIRNENAKSLGFTNYYAWEGWHNALKPLYEDFTALSNEAYKQDGFTDTGAYWRSWYVFLSSQTIYPQNVKVFQET IRLRHEAARLLGFPSFAKMEMAFNTRCKEENTV LQQLLRDLRHEASKSUGFTNYYVAAGEARARLLGFPSFAKMEMAFNTRCKEENTV LQQLLRHEARARLLGFPSFAKMEMAFNTRCKEENTV LQQLLRHEARARLLGFPSFAKMEMAFNTRCKEENTV LQQLLRHEARARLLGFYSTHAAGRAILGFYSTYAAGRAILQFYPKYVELIAARLNGYVDAGDSWRSMYETPSLEAFL GDQNKVPENEKLLCNVLKLRKELANTLGYSTYAL UniRef90_E0VYZ8 UniRef90_G7LV22 UniRef90_G3RZV1 UniRef90_W5WPJ5 UniRef90_C6DEJC6 UniRef90_G8PJG6 UniRef90_UPI000273AB7B UniRef90_I0GLM9 UniRef90_P12821 UniRef90_A2QM17 UniRef90_G3X795 UniRef90_I3UJJ7 UniRef90_G0W5G4 UniRef90_K1Z719 UniRef90_B3RUA8 UniRef90_T1IK18 UniRef90_B8MCP2 VEEAFN<mark>C</mark>R<mark>C</mark>KQ ENCALLRELVTLRAQKSSLLGFSTHA UniRef90_U6DTW4 UniRef90_G0S7K9 WWRRWRDESGKKMRTDYLEYVGYVNEAAHLSNGYEDYGALAWEGW RAKVGKRLRPLYEEYVSLKNEMAKANNYEDYGALSSQQALRDLEQW LVNHGFPELVSLRNRFARQMGYRNYFAWKGFRDA VGIPNKPLYAKYVQLVNQGARANGH FVFLHSSTRYKDNV EIFREIIVLRDESSRLLGFPSFAAYAAYESRLA VNAPILSRIFDLRRQIAQLLGYASWAVAAYESRLA GYPDNIEVLKQLLTLRKEMATLLGYTSYAWAWLSWRDAVGPPMKDKYAEWVALMNEGAQENGYADWR UniRef90_W5JI07 UniRef90_UPI00033430F5 UniRef90_UPI0002E722D0 UniRef90_W4Y117 UniRef90_B8MXG0 UniRef90_UPI0004624847 UniRef90_UPI00036812F3 UniRef90_C3Z9J8 UniRef90_UPI0004438A24 UniRef90_UPI0004438A24 UniRef90_U3JP73 UniRef90_A5P713 UniRef90_W4WZE4 UniRef90_K7R5X4 UniRef90_Q7NGM5 A WE G WR A D V G K M M R P L YEEYVDLENEVARLNGYSDYG I WVE WRKVS GEKVKSLYSKYVELANTVATLNNFSDYAA VWQGWHKIAV PLRPRYERFVQLANKGASELGFADTQLAVAYG QKGGKDNLGILENLVQLRHKFARLLGYGNYYFVAYSTRASDDEFDNDPVLTLLLSLRHQKAELLGFDNFVHKLLDDVQAKVTPYWLKKLDHLKELKKNDTGNADHFFLAW KGWREIAKPMRPLFQREVELANEGAKDLGYANS UniRef90_K3XF55 UniRef90_A0A059KY41 UniRef90_M3B880 UniRef90_A9L194 UniRef90_C5FFJ8 UniRef90_UPI0002B47019 V K A F M S E C E E Q S N L L N G L L Y A R K E L S S V L G F E S F A WE G WR A E V G K Q L R P L Y E E Y V V L K N E M A R A N N Y K D Y G D Y W L L K D L W V G W R K V S P P M K P L Y E R Q V E I G N A G T K E L G Y D N S V A W E G W H N A L K P L Y E N F T A L S N E A Y K Q D G F S D T G A Y W R S W Y A W K G W R D A S G K L M P D M Y E E F V S L L N K A A K I N G Y E D N UniRef90_C7ECU7
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15 UniRef90_T1EFC3 UniRef90_C3Z9J6 UniRef90_A1S6L6 IW AGWRDIAKPMRPLFEREVVLANEGAKDLGFANWRAWESWRSELGKQLRPLYEEYVVLKNEMARANHYEDYGDYWVWE GWRTVSPPMKDNYAKMVELANEGAQELGYPTLDAWEGWRHNVGKALRPLYEDYADLKNKAAKLNGYQDYGDYWYFVAYSTRASDQQFDNGPVLELLSMRHQKARLLGYENFAAWEGW RRETGPEMKDMYENFVTLANKAAKVNDQPDMGLWQGWRQVSKPMRPLYEQQVTLANEGAKELGYADTGKLARAKATQCQEENT DLFLQTVKLRHETAQLLGFRDHAAWKGWYEAAGRELSKPMRPLYSRLIELTNEGARELGYADTGWWWWQGWREISKPMRPLYSRLIELTNEGARELGYADTGTWRRWREESGKKMRQDYKLY VDYVNQAAKLNGYADYMYFVAFNTRASDQQFDNGPVLKSLLVQRHRKAQLLGYENFAVWY AAMKVGDQVAPGLIRLVKLSLLVQRHRKAQLLGYENFAVWY AAMKVGDQVAPGLIRLVKLSLLVQRHRKAQLLGYENFAVWY AAMKVGDQVAPGLIRLVKLSLLVQRHRKAQLLGYENFA UniRef90_F7CNA8 UniRef90_A0A059FB28 UniRef90_V9KD42 UniRef90_A0A024EBY6 UniRef90_UPI0003F05CA3 UniRef90_A4CBQ1 UniRef90_K8EZS0 UniRef90_UPI0002B8E860 UniRef90_I1DZ25 UniRef90_Q16W80 UniRef90_UPI00037164CF UniRef90_UPI000477EACD UniRef90 R7Z2U0 UniRef90_K7A9D9 UniRef90_F4QLE0

UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_G4LW94
UniRef90_UPI000225EBBE
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_UPI000225EBBE
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_UPI000325EBBE
UniRef90_F9TNC8
UniRef90_F9TNC8
UniRef90_F9TNC8
UniRef90_F9TNC8
UniRef90_F9TNC8 LQQKECOORLGAGLNESGAQG TG UniRef90_UPI0003B5BE17 UniRef90_B0WWV4 UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_GONTF7
UniRef90_S9TA09
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_B0G4W1
UniRef90_UPI00030144E6
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_G0E6A9
UniRef90_G0E6A9
UniRef90_G7LV22
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_G3RZV1
UniRef90_G3RZV1
UniRef90_UPI000273AB7B
UniRef90_UPI000273AB7B
UniRef90_UPI000273AB7B
UniRef90_UPI000273AB7B
UniRef90_UPI0SE21
UniRef90_UPI0SE21
UniRef90_G3X795
UniRef90_G3X795
UniRef90_G3W5G4
UniRef90_B3RUA8
UniRef90_B3RUA8
UniRef90_B3RUA8
UniRef90_B3RUA8
UniRef90_T1IK18
UniRef90_BBMCP2 UniRef90_T1IK18 UniRef90_B8MCP2 UniRef90_U6DTW4 UniRef90_G0S7K9 L A Q K L K
A I A E Y F
A E V E P L Y
E I K P L Y
E I K P L Y
E I K P L Y
A I L P L Y
I L H D A L K
D L E Q R L R
I S A A A K
K V K P L Y DYVLE
DHRFY
WRSKY
DYWRG
DYKVN
WRADY
ARKLS
DYVTE
GAYEM L G E E L K K A E C E R R

K S T V A G M L

D E L H T Y V R Y R L F D L

Q L H A Y V R S K A H L L

A N L R S L R Q L A A E K

Q L H A Y V R R R A N V L

L A D D E M L E L Q E L A

V G L Q L L A L K Q K E H

R M D D Y A T L L A R K Q

Q L H A Y V R R K A H L F PPDEEKPPST UniRef90_W5JI07 UniRef90_UPI00033430F5 UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI00032E722D0
UniRef90_UPI0002E722D0
UniRef90_UPI0002E722D0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_UPI0004624847
UniRef90_UPI0004624847
UniRef90_UPI0004438A24
UniRef90_UPI0004438A24
UniRef90_UPI0004438A24
UniRef90_UPI0004438A24
UniRef90_W4WZE4
UniRef90_W4WZE4
UniRef90_W4WZE4
UniRef90_W3NE55
UniRef90_W3NE55
UniRef90_A0A059KY41
UniRef90_M3B880
UniRef90_A9L194
UniRef90_UPI0003E47019
UniRef90_UPI0003E47019
UniRef90_UPI0003C8DB15
UniRef90_UPI0003C8DB15
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_T1EFC3
UniRef90_A0A059FB28
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_V9KD42
UniRef90_UPI0003F05CA3
UniRef90_UPI0003F05CA3
UniRef90_UPI0002B8E860
UniRef90_UPI0002B8E860
UniRef90_UPI0002B8E860
UniRef90_UPI0002B8E860 H A Q V ANKYSRD YANRIKA EADNFPE QLIEDVE EQYNLDE QIETQWQ K T F E Q I K P L Y E Q L H A D A M M E Y F Q L D K V L F Y Q L K P L Y L Q L V R R E L R D Y W R D W Y R M K D Y QVQPLLHA
QLSDVANR
QYFPALST
QVKPLYES
YFPL
YLKEMGT
IKPLYEQ
VKPLHO
RHRQYGDR A Y D M E P D A F A A E V E R M P R T S R K V L E F L R A A E S T G Q V L S F L R Y Q T M S T E Q E Y Q V D K Q Y D M K P D D F S Q E L D H C G T S N P A L V L A F L E A N Y N G N Q L I E D V E A N Y N G N Q L I E D V E C Y D M K P D A F A A D M D E E D L E E P L Y L N L H R S W Y E S P T F R K D C E M W R S N R D F A P R A P R A P S N F Y L W R S Q D H R F Y K R G D S P T F G D Y W R WGQ MSEQ QVTL KIKQ LWGQ LIAE VEKY VEKY VRR LWLE Y V R D E V Q I K A P Q T I S D A A H V R Y I N Y V R RERDRQKRTAD S Q Y D M A P D A F S T E L D R L WG
R G D Y E V N G V D G Y D Y E R T F E
K M W L S N Y D M P P E E M E A E W S
R G N Y E T K D L G E Y A Y K D V E S
Q L S T E M A E S T E Q V T G F L R R
A Y W R S W Y E V D D L K A D S M W E
A M W R S K Y D M P A D D F D R I WG
S Y V L E P K M T P E K A M A F L R D
R S W Y E M N G Q L E A T V D D A L W A
M W R S K Y D M P A D D F A K E L D
W R A R Y D D S D L R G T L E R L W K
Q L S L A N R M A D S T A L R R Q V A
E M K L K L Q H T D P A L P
S E
Q F R I E D K M T P K T V D D F L G D
Q L W R G G Y D M P A D D F D R L W T
A L W R S R Y D M S P D A F D R L W T
D Y A L D R R M T S M R V I R F L E D G Q V K P L Y D S L H C Y V R G E A
E E I K P L Y E H L H A Y V R T K A
G Q V E P L Y K D L H C Y A P I R A
G Q V E P L Y K D L H C Y A P I R A
G Q V E P L Y K D L H C Y A P I R A
G Q V E P L Y K D L H A Y V R G R A
E Q L R P F Y E Q L H A Y V R G R A
G Q V K P L Y N S L H C H V R A K A
D I L D R S K T R L K K L L E L K R
D I L D R S K T R L K K L L E L K R
A E L Q P L Y T E L H A Y V R F K L
A E L Q P L Y N E L H T Y V R F K L
A C E V E P L Y N E L H T Y V R F K L
A L K T S S F E E D A Q M L K T F A
E L I R S L R N G L D Q T Y L A A K
D L R E R L A P E I S K L L K L K E
C Q I K P F Y D A L H C H V R R K A
A Q V E P F Y V N L H C Y V R R K A
D L S S S L T D L A I R E F D L K R UniRef90_UPI0002B8E860 UniRef90_I1DZ25 UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPl00037164CF
UniRef90_UPl000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0

UniRef90_D7KVN0

320

```
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3
UniRef90_F6V9L3
UniRef90_F6V9L3
UniRef90_UPl00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_M2UJB9
UniRef90_G2U172
UniRef90_G0E6A9
UniRef90_G7LV22
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_W5WPJ5
UniRef90_W5WPJ5
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_UPl000273AB7B
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_T1IK18
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPl00037164CF
UniRef90_UPl000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
```

UniRef90 UPI0004417218	370 380 390 400 FPRPSKYGHAAVWGMLLSAENERGESVPIPLTCMVANLAK
UniRef90_V5CN13	I F D A D D R G L A L F Y G D F F A R D S K S G G A WMG N F N G T Q P V I Y N
UniRef90_V5WL70	YSG AELTLDLLDRKGKYQNGF <mark>C</mark> HGPYDNGTWLKI DGRFMGYF YLDLFPRDGKYTHAAVWPLIEGVASMV <mark>C</mark>
UniRef90_F0ZGU0 UniRef90_B7GDX9	D G R F M G Y F Y L D L F P R D G K Y T H A A V W P L I E G V A S M V C C F D F L E K S T G R K Y L D L H P R E G K Y G H A A H F P P K Y Q Y P I V S T
UniRef90_E1ZJ43	YRGA E M N L D L C D R D A K Y S N G F C H W P Q P A Y L R S D G
UniRef90_UPI00036167A0 UniRef90_L7UI67	VFDADGKHLALFLADFYARGNKRGGAWMNSLMGTHPVVAN MLDLTARMFGRFYLDMHPRADKYKHAAQFTLTSGKAVLMC
UniRef90_E70107 UniRef90_B7VSE6	YSQATLKLDLLDRKGKYPNGFCHGPYDQDKWVSA
UniRef90_G4LW94	S N S <u>L L G Y F </u>
UniRef90_A3YGQ4 UniRef90_UPI000225EBBE	Y S G A NLTLDLLDREGKFQNGFCHGPQEKWQAAKV Y T V K D R D G S D M G L F Y F D P R A S K R G G A WMS N F V D Q K P V I Y N
UniRef90_F9TNC8	FSG A E L I L D L D R K G K Y P N G F C H G P Y D Q G I W V Q V
UniRef90_A3GFY2 UniRef90_U2IHQ8	MLGFYETLFDMKYFDLHPREGKYSHAANFGIHTPVTTLVC
UniRef90_A0A059F6D2	SVSAHEMYQDGKLIDMHPRDGKFKHAAAFPLRFGPAALM <mark>C</mark>
UniRef90_F9SBR6 UniRef90_UPI0003B5BE17	Y S Q
UniRef90_B0WWV4	DAKHGTEPLAGFYTDLYSREEEKNSGWMVGIVNKSAALI <mark>C</mark>
UniRef90_A9F3Y2 UniRef90_G0NTF7	VPAKAWHLIGKFYLDLYSRPDKYKHAAMFSWQSPVAALEC LGVIIRSEKAVGDCHYTVRCSKLLDDGTWSLVDGHSRNWK
UniRef90_S9TA09	T F Q S M G L N L T D A R S D L Y P R D K K Y P Y G Y C T D M R T G E <u>P</u> R V M <u>M</u>
UniRef90_L7ZL13	FGG AFMNII IDII I VIRKGKYFNGFMHGPOGFWIVIPARII I
UniRef90_B0G4W1 UniRef90_F6V9L3	LEESLIHLQKNTLYDVEASSLKYPASFSAPLPAYNAYIYS GLPNMTQGFWENSMLTEPGDGRKVVICHPWDLGKGDFRIKM
UniRef90_UPI00030144E6	SILIRIL LIF QIV LIG YILIYILID P Y H R F D A A D Y A F T S AILIRILIR R A RILIY S
UniRef90_V4NDH7 UniRef90_A7RJZ8	I F N L L K D L F K R F Y L D M S P R D G K F N H A A Q F T V R E Q V P I L L C S T I L G Y F Y L D L F P R E G K F S H A A C F G L Q P G C A A ME A
UniRef90_M2UJB9	DIVIOU IE SIVIWD DE GYILIDII IE PROGKYGHAANENII IOPGYTAIL VI <mark>C</mark>
UniRef90_S2J172 UniRef90_G0E6A9	VEDKSFSGF MYLDLFPRENKYPHAACFPLQPSYAAMVA LFDANGEGMALFYGDYFSRDSKSGGAWMDTLRGQRPVIYN MFKLAEEFFTSNLSPMPETFWKNSHASAWDFYDKDFRIKQ
UniRef90_E0VYZ8	MFKLAEEFFTSNLSPMPETFWKNSHASAWDFYDKDFRIKQ
UniRef90_G7LV22 UniRef90_G3RZV1	FNG A ÉMQLDLLVRKGKY ÉNGFMHGPVWIPARI NF YQELLGLSFEQMYLDLYPREGKYNHAACCFGLQPGCAALVV
UniRef90_W5WPJ5	R T DIL K G Y H P DIVIRIVIWEIL Y A R S T K R G G A WM S G F IVIE Q A PIV V VIN
UniRef90_C6DED8 UniRef90_G8PJG6	RIGFNGAEMQLDLLVRKGKYENGFMHGPVGKWLPAQI GFDPLPFTFYFRSLLTFPRDRDVQHASAWNVDGKFDRUKM
UniRef90_UPI000273AB7B	GFDPLPETFYERSLITEPRDRDVQHASAWNVDGKEDRIKM GLFNMTKGFWENSMLTEPNDGRKVVCHPWDLGKGDFRIKM
UniRef90_I0GLM9 UniRef90_P12821	IRDIVERS DLYERKGKNPHAFTISIDKMDDRVLE FFTSLELSFWEGSMLEKPADGREVHASAWDFYNRKDFIKQ
UniRef90_A2QM17	F G E S S S S F IL IG Y IL IY T D II IY P R Q G K Y N H A A N F N II IH T Q S P IV L V I <mark>C</mark>
UniRef90_G3X795 UniRef90_I3UJJ7	LINITY QELLGQFYLDLYPREGKYNHAACFGLQPGCAALVV ADDFFTSLFWNKSMLEKPTDGREVHASAWDFYGKDFRIKQ
UniRef90_G0W5G4	
UniRef90_K1Z719	F P A L S E N F W K N S D L Y E L P A D A K R K K N T H A S A W D D D Y R S L M
UniRef90_B3RUA8 UniRef90_T1IK18	FVSMLERVPKSFWKNSMLEKPKDRQALCWDFYRGDVRFKM VKDETKELLGYFYLDLFPREGKYGHAAAFKLQSGCPVIAM
UniRef90_B8MCP2	
UniRef90_U6DTW4 UniRef90_G0S7K9	DDDTEGNGEGYII IYII IDII I <mark>H P R P G K Y G H A A N F NII IH Y P A T A</mark> II VI <mark>C</mark>
UniRef90_W5JI07	MRQLGYNATKMFTMEFYQSLGLPSSAMSYGCDGEDFRIKM GLPNMTQGFWENSMLTEPKDGRKVVICHPWDLGKGDFRIKM
UniRef90_UPI00033430F5 UniRef90_UPI0002E722D0	FRG AQLQLDLLVRKGKYENGFMHQPVGRWLPARI
UniRef90_W4Y117	GIL IF PIVID EIL IF WK N S R F T R P S D G R NIVIT C H P S S W D R R DIVIRII AIVI
UniRef90_B8MXG0 UniRef90_UPI0004624847	FGLQFEKFIGYLYIDI PPRDGKYNHAANFNIYKQTPVVTC
UniRef90_UPI00036812F3	I LAI Y Q E L F E H C Y I D L Y P R D N K S P G T S V W P L V P G Y P R G D K A Y D V L E N G V K I G R I L L Y P R P D K F S H A M K K G S R L P E C V L V C M F K T A E A F F V S I G L R P M P R P V D R E V V C H A S A H D S D V R I K M
UniRef90_C3Z9J8 UniRef90_UPI0004438A24	FFTSLIGPMPPEFWAESMLIEKPSDGHASAWDFYNRKDFIIKQ
UniRef90_U3JP73	GLYNMTEGFWNNSMLTEPTDNRKVVCHPWDMGKNDYRIKM
UniRef90_A5P713 UniRef90_W4WZE4	QRPSKRGGAWMSNFVDQKPVIYN FFAMPDTFWKKSLLTKKDGVDMICHASAWDFYNAEDFIKQ
UniRef90_K1R5X4	FFEM <u>P</u> QPFWDKSM <u>I</u> V <u>K</u> PPGRE <u>VV<mark>C</mark>HASA<u>W</u>DFYNRK<u>D</u>F I KM</u>
UniRef90_Q7NGM5 UniRef90_K3XF55	REDEILIK DAILIGYEEILIDILIEAREGKYAHT <mark>CI</mark> VVITILIONG <mark>C</mark> AIVLLIS
UniRef90_A0A059KY41	LFELSEHGOTUGHI YLDPFHRKEAPDYAWTGTLRNRRLHC
UniRef90_M3B880 UniRef90_A9L194	LFEISEHGQTIGHIYLDPFHRKEAPDYAWTGTLRNRRIHC TKRDEGEFVGYLYLDLYQREGKAPDEYSLSMEPKESATDT AEGFFAPLPENFWARLFVQPKDRDVVCHASAWDDDLRIKM
UniRef90_C5FFJ8	WNDEGEGEVGYLYLDLEPREGKYGHAANENLRYPATALVC VRHESEGVLGYLYCDEFQRANKEPQDCHETIKGQLPVVAL
UniRef90_UPI0002B47019 UniRef90_C7ECU7	V R H E S E G V L G Y L Y C D F F Q R A N K F P Q D C H F T I K G Q L P V V A L G L P W D L G K E D F R I K M M C M T D F G D D R K V V C H P W D L G K E D F R I K M M T
UniRef90_UPI0003614BB7	M <u>V</u> K <u>VG</u> EKFFTSGFEP <u>L</u> P <u>D</u> TFWERSQAWNMDGQD D <u>L</u> RIKM
UniRef90_UPI0003C8DB15 UniRef90_T1EFC3	FFTSLGPMPPEFWAESMLEKPTDGHASAWDFYNRKDFIKQ FFKMPEPFWQKSMLVKPADRDVV <mark>C</mark> HASAWDFYNRKDFIKQ
UniRef90_C3Z9J6	M G Q M P Q N F W E N S M F V K P P D K D V <mark>C H</mark> A S A W D F Y N A H D R V K M
UniRef90_A1S6L6 UniRef90_F7CNA8	GFDKLPDTFWSRSLFVQPKD RDVVCHASAWDDDLRIKM GLPNMTQGFWENSMLTEPGDGQKVVCHPWDLGKQDFRILM
UniRef90_A0A059FB28	FFEPLPETFWERSMLVRPEGKEVVHASAWDLDDEEDRIKM
UniRef90_V9KD42 UniRef90_A0A024EBY6	FFEPLPETFWERSMIVRPEGKEVVHASAWDLDDEEDRIKM FQSVLQPMNDNFWKNSMPTDGRKPTAWDMGNR VDFRIKM LFELSEHGQVVGYLYLDPFHRDEAPDFAWTATPRNRRVHG
UniRef90_UPI0003F05CA3	FFISLIGQSFWD <u>D</u> IMF <u>V</u> KPIDGRD <u>VH</u> ASAWDFYN <u>K</u> DIIRIKM
UniRef90_A4CBQ1 UniRef90_K8EZS0	T F F K O T H A O C V F VII IDII IF D D F C K V S H O C VIV DII ID D S IV ID D A C VI
UniRef90_UPI0002B8E860	TFEKQTHAQGYFYLDLFPREGKYSHQ <mark>C</mark> VYPLRPSVPPACV FFKMTDEFWANTMFVKPTDRDVVCHASAWDFYNKVDFIKM GFAPLPETFYQRSLFTKPRD RDVE <mark>CH</mark> ASAWDLDARIKM
UniRef90_I1DZ25	GFAPLPETFYQRSLFTKPRD RDVECHASAWDLDARIKM
UniRef90_Q16W80 UniRef90_UPI00037164CF	Y Q S L G L P S S A M S Y G P K A V I E K Q P Q K M V C H F C D G E D F R V K M L F E V S E H G K V V G H L Y L D P F H R K E A P D F P W T A T P R N A V I H A
UniRef90_UPI000477EACD	VGLRMGSWFDGRGLDLSSRSGKPAANLCLHLRAGDLRISC
UniRef90_R7Z2U0 UniRef90_K7A9D9	DVQLFSVWDDEGYLDLHPREGKYGHAANFNLQPGYTALV <mark>C</mark> G <u>F</u> APLPDTFWERSMFSQPAERDVV <mark>C</mark> HASAWDID <u>E</u> RIKM
UniRef90_F4QLE0	GIL IE AIL IP Q T F W E R S MII I
UniRef90_D7KVN0	YHDVRAFALGYFYLDMFTREGK <mark>C</mark> NHS <mark>CV</mark> MALQNNALFSNG

UniRef90_UPI0004417218	<u>410</u> 420 430 440 <u>P_T_P_MR_H_D_D_V_V_T_F_F_H_E_MG_H_V_F_H_GL_L</u> S_K_K_Y_A_R_F_H_G_T_S_V_A_R_D_F
UniRef90_V5CN13 UniRef90_V5WL70 UniRef90_F0ZGU0	PTPMRHDDIVVTFFHEMGHVFHGLLSKKYARFHGTSVARDF VCNYQWDEVITTFHEFGHTLHGFASQRYASLSGTNTPRDF NFTSNYRGINTFFHEGGHAAHFANVKMNAPCFSQETSMAY NFTKPHDEVVTAFHEFGHVMHNMSTKSYSMFSGTSVERDF NTNLSHAEVETLFHEFGHALHSLLSRRFQHMSGTRAAMDF SWVPSKTNLVTLLHEGGHAAHFANVLQRSPFFSQETSVAY HLNIPYDELRTLFHEFGHALHGMFSNKYPRFSGTSVPRDF NFPKQHDDVETFLHEFGHALHHIFGGHTRWSGVSGVSGVRWDF QVNFTYDGINTLFHEGGHAAHFANVKMNAPCFSQETSMAY NFTSPHHEVVTFFHEFGHLMHHVCSHETALFSGTAVETDF NFTSNFNGINTLFHEGGHAAHFANVKQNSPHEFSPTSMAY VLNIPFDWVNTAFHEGGHAAHFANVKLNAPCFSQETSMAY NFTSNYDGINTLFHEGGHAAHFANVKLNAPCFSQETSMAY NFTSNYDGINTLFHEGGHAAHFANVKLNAPCFSQETSMAY
UniRef90_F0ZG00 UniRef90_B7GDX9 UniRef90_E1ZJ43	NTNLSHAEVETLEHEFGHALHSLLSRRFQHMSGTRAAMDF SWVPSKTNIVIII IHEGGHAAHFANVIORSPEESOETSVAY
UniRef90_UPI00036167A0 UniRef90_L7UI67	HUNIPYDELRTLFHEFGHALHGMFSNKYPRFSGTSVPRDF NFPKQHDDVETFLHEFGHLLHHUFGGHTRWSGVSGVRWDF
UniRef90_B7VSE6 UniRef90_G4LW94	QVNFTYDGI NTLFHEGGHAAHFANVK MNAP <mark>C</mark> FSQETSMAY NFTSPHHEVVTFFHEFGHLMHHVCSHETALFSGTAVETDF
UniRef90_A3YGQ4 UniRef90_UPI000225EBBE	NETSNENGI NTLEHEGGHAAHEANVKQNSPHEFSPTSMAY VLNLPEDWYNTAEHEEGHALHGEEAQQYPSLSGTTARDE
UniRef90_F9TNC8 UniRef90_A3GFY2 UniRef90_U2IHQ8	NFT SNYDGI NTEFHEGGHAAHFANVKENAP <mark>U</mark> FSQETSMAY NFT KPHDEVTTFFHELGHGVHNLLSKKYGRFHGTHVERDF
UniRef90_A0A059F6D2 UniRef90_F9SBR6	NFPMEHGQVETFLHEFGHLIHDMFSGDYANLSMANLEWDF NFTSNYDGINTLFHEGGHAAHFANVKMNAPCFSQETSMAY
UniRef90_UPI0003B5BE17 UniRef90_B0WWV4	VANFSLDEARTLFHEFGHALHALLSRVTYPSLSGTVARDF NFPAPLDDVQLLFHKFGHALQHLLTETHYSELLSNVEWDA
UniRef90_A9F3Y2 UniRef90_G0NTF7	N F P M S H E D V V T F F H E F G H V L H H L L T R S E L S Y S G T A T V R D F D S R L S L H S A E T M F H E L G H A M H S L L G R K Y Q H V A G T R C P Q D F
UniRef90_S9TA09 UniRef90_L7ZL13 UniRef90_B0G4W1	SMNPSEPWMSVMLHEFGHAAYEKNI DAALPFLLRKPTLTT NFTSGAYGLNTLFHEGGHAAHFANI RQNAPCFSQEFMAY
UniRef90_B0G4W1 UniRef90_F6V9L3 UniRef90_UPI00030144E6	VINIPPD WVN TAFHEGGHAAH GFFADQQYPSISGTTARDF NFTSNYDGINTLFHEGGHAAHFANVKLNAPCFSQTTSMAY NFTKPHDEVTTFFHELGGHAAHFANVKLNAPCFSQTTSMAY NFTKPHDEVTTFFHELGGHALHGMLAQRYSSLSGTNVVNDF NFTAQPVGQVPTFLHEFGHALLHGMLAQRYSSLSGTNVVNDF NFTAQPVGQVPTFLHEFGHALLHGMLAQRYSSLSGTNVVNDF NFTSNYDGLNTLFHEFGHALLHGMLAQRYSSLSGTNVANDF NFTSNYDGLNTLFHEFGHALLHGMLAQRYSSLSGTNVANDF NFTSNYDGLNTLFHEFGHALLHGMLAQRYSSLSGTNVANDF NFTSNYDGLNTLFHEFGHALLHGMLAQRYSSLSGTNVANDF NFTSNYDGLNTLFHEFGHALLHLTTTRY NFTSNYDGLNTLFHEFGHALLHLTTTRY NFTSNYDGLNTLFHEFGHALLHALLSRVTYPSLLSNNTVRDF NFTSNYDGLNTLFHEFGHALLHALLSRVTYPSLLSNNTVRDF NFTSNYDGLNTLFHEFGHALLHALLSRVTYPSLLSNNTVRDF NFTSNYDGLNTLFHEFGHAALHALLSRVTYPSLLSNNTVRDF NFTSNYDGLNTLFHEFGHAAHFANVRNNAPCFSQEFPMADV NFPMSHEDVVITFFHEFGHAAHFANVRNNAPCFSQEFPMADV NFPMSHEDVVITFFHEFGHAAHFANVRNNTNAPCFSQEFPMADV SMNPSEFWMSVMLHEFGHAAHFANVRNTNAPCFSQEFPMADV SMNPSEFWMSVMLHEFGHAAHFANVRNTNAPCFSQEFPMADV SNNPSEFWMSVMLHEFGHAAHFANVRNTNAPCFSQEFPMADV STRYNTNAPCFSQEFPMADV NFTSGASGNSNLQWDFF NFSNPHDDLVVTFFHEFGHLLHHLLYSGHARF NFFNDHDDAAVTFFHEFGHLLHHLYSGHARF NFFNDHDDAAVTFFHEFGHVMHALLOSRRVTNAPCFSGTNVVRRDF NFFNMDHDDAAVTFFHEFGHVMHALLOSRRVTNAPCFSGTNVVRRDF NFSKPHDEVVTLFHEEGGHAAHFANNRVNNAPCFSGTNVVPRDF NFSKPHDEVVTLFHEEGGHAAHFANNRVNNAPCFSGTNVVPRDF NFSKPHDEVVTLFHEEGGHAAHFANNRVNNAPCFSGTNVVPRDF NFSKPHDEVVTLFHEEGGHAAHFANNRVNNAPCFSGTNVVPRDF NFSKPHDEVVTLFHEEGGHAAHFANNRVNNAPCFSGTNVVPRDF NFSKPHDEVVTLFHEEGGHAAHFANNRVNNAPCFSGTNVVPRDF NFSKPHDEVVTLFHEEGGHAAHFANNRVNNAPCFSGTNVVPRDF NFSKPHDEVVTHHEMGHAAHFANNRVNNAPCFSGTNVVPRDF NFSKPHDEVVTHHEMGHAAHFANNRVNNAPCFSGTNVVPRDF NFSKPHDEVVTHHEMGHAAHFANNRVNNAPCFSGTNVVPRDF NFSKPHDEVVTHHEMGHVMHQUCAARFSGTNVVPRDF NFSKPHDEVVTHHEMGHVMHQUCAARFSGTNVPPRDF NFSKPHDEVVTHHEMGHVMHQUCAARFSGTNVPPRDF NFSKPHDEVVTHHEMGHVMHQUCAARFSGTNVPPRDF NFSKPHDEVVTHHEMGHVMHQUCAARFSGTNVPPRDF NFSKPHDEVVTHHEMGHVMHQUCAARFSGTNVPPRDF NFSKPHDEVVTTTFHEEGGHVMHQUCAARFSGTNVPPRDF NFSKPHDEVVTTTFHEEGGHVMHQUCAARFSGTNVPPRDF NFSKPHDEVVTTTFHEEGGHVMHQUCAARFSGTNVPPRDF NFSKPHDEVVTTTFHEEGGHVMHQUCAARFSGTNVPPRDF NFSKPHDEVVTTTFHEEGGHVMHQUCAARFSGTNVPPRDF NFSKPHDEVVTTTFHEEGGHVMHQUCAARFSGTNVPPRDF NFSKPHDEVVTTTFHEE
UniRef90_V4NDH7 UniRef90_A7RJZ8	N F P M D H D D A V T F L H E F G H L T H H L Y S G H N R Y Q S M S N L Q W D F N F T R P H Q E V E T F F H E F G H V M H Q I C A K E F A L F S G T N V E R D F
UniRef90_M2UJB9 UniRef90_S2J172	NFSKPHDEVVITLFHELGHGLHDLVSRTTYRFHGTNTVRDF NFTKPHDEVVITLFHELGHVMHHLCSRKYARFHGTSVEGDF
UniRef90_G0E6A9 UniRef90_E0VYZ8	CT RVN MEDLNTV HHEMGH LQYFLQYKNQPLVYKEGPGFH
UniRef90_G7LV22 UniRef90_G3RZV1 UniRef90_W5WPJ5	NFSQPHDEVRTYFHEFGHVMHQICAQDFARFSGTNVETDF
UniRef90_C6DED8 UniRef90_G8PJG6	NFTSGASGINTLIFHEGGHAAHFANIKQNAPCFSQEFPMAY CTEVTGEDFNTVHHELIGHNFYQRAYNHQSPMYQDDPNDGF
UniRef90_UPI000273AB7B UniRef90_I0GLM9	CTKVTMDDFLTAHHEMGHIQYDMAYASQPFLLRNGANEGF NIRNDIKWLETTLHEYGHAVYEKYIDKTLPFILRDPAIFT
UniRef90_P12821 UniRef90_A2QM17	CTRVTMDQLSTVHHEMGHLQYYLQYKDLPVSLRRGANPGF NVSPQHREVISLFHELGHGMHDLLGRKYALFSGHRTVRDF
UniRef90_G3X795 UniRef90_I3UJJ7	NFSQPHDEVRIYFHEFGHVMHQLCAQDFARFSGINVEIDF CTTVNLEDLVVAHHEMGHLQYFMQYKDLPVALERGANPGF
UniRef90_G0W5G4 UniRef90_K1Z719 UniRef90_B3RUA8	SIKPDYDWFTTIHHELGHUYYYYAVPSVPPLLRDSPTSGF
UniRef90_T1IK18 UniRef90_B8MCP2	N F T R P T E D V E T Y F H E F G H V M H H I C A R K F I I F S G T K V E R D F N V S R N S D D V I T I F H E L G H G I H D L L G K K Y A M F H G H R N V S D F
UniRef90_U6DTW4 UniRef90_G0S7K9	NFTKQHDEVETYFHEFGHVMHQL <mark>C</mark> SQEFAMFSGTH <u>VE</u> RDF <u>N</u> FS <u>K</u> PHDEVVTLFHELGHGIHDLAGRRYSR <u>Y</u> HGTST <u>V</u> RDF
UniRef90_W5JI07 UniRef90_UPI00033430F5	CT NVN MEDFI TVH HEMGHI MY YLLY KEQPQLFRTGATPAF CT KVT MDDFLTAHHEMGHI QY DMAYAKQPYLLRSGANEGF
UniRef90_UPI0002E722D0 UniRef90_W4Y117 UniRef90_B8MXG0	CMESTMY FLVA HHEMGHIQY FLQY K DLPL PFRNGANGAF
UniRef90_UPI0004624847 UniRef90_UPI00036812F3	PALLGHEDT TLLFHEEGHLEHELLSARFARFHGTTGALDF NEPMLPNEVITTEFHEEGHLLHHVEGGSQRWAGUSGURWDF
UniRef90_C3Z9J8 UniRef90_UPI0004438A24	CTKVNQEDLQTIHHEMĞH ILEYFLTYEDQKTLYRĞĞPGFH CTRVTMDQLSTVHHEMGHVQYYLQYKDQPVSLRQGANPGF
UniRef90_U3JP73 UniRef90_A5P713	UTKVTMDDFLTAHHEMGHVEYDMAYAARPFLLRGGANEGF VLNIPFDWVNTTFHEFGHALHGFFAQRYESLSGTSTARDF
UniRef90_W4WZE4 UniRef90_K1R5X4 UniRef90_Q7NGM5	CT DI T ME NL I TI H H E M G H I Q Y Y L Q Y Q D K P V E F R E G A N P G F C T E V T G F D F V T V H H F I G H N F Y O R A Y K K O P P I F R N S A N P G F
UniRef90_&7NGM3 UniRef90_K3XF55 UniRef90_A0A059KY41	QCPKEFDEVVRLFHEFSHVVHHIISNRATFSRFSARIEGDF NFTPGADDLRVLFHEFGHCLQHVLTSSPHHNLSSQLGRDT
UniRef90_M3B880 UniRef90_A9L194	NFTKQHDEVVTLFHEFGHVMHQLCSQEFAMFSGTHVERDFNFSKPHDEVVTLFHELGHGIHDLLAGRRYSRYHGTSTVRDFCTNVNMEDFITVHHEMGHIMYYLLYKEQPQLFRTGATPAFCTKVTMDDFLTAHHEMGHIQYDMAYAKQPYLLRSGANEGFNFTSGANGINTLFHEGGHAAHFANIRQNAPCFAQEFPMAYCMESTMHYFLVADFPLVAHHEMGHIQYFLQYKDLPLPFRNGANGAFNVSRRHTEVIAIFHELGHGIHDLVGKKYAIFHGHRTVADFPALLGHFDTTLLFHEFGHLFHELLSARFARFHGTTGALDFNFPMLPNEVTTFFHEFGHLLHHVFGGSQRWAGISGIRWDFCTKVTMDQLSTVHHEMGHVQYYLQYKDQPVSLRQGANPGFCTKVTMDQLSTVHHEMGHVQYYLQYKDQPVSLRQGANPGFCTKVTMDQLSTVHHEMGHVQYYLQYKDQPVSLRQGANPGFCTKVTMDDFLTAHHEMGHVEYDMAYAARPFLLRGGANEGFVLNIPFDWVNTTFFHEFGHALHGFFAQRYESLSGTSTARDFCTKVTMDDFLTAHHEMGHVEYDMAYAARPFLLRGGANPGFCTKVTMDDFLTAHHEMGHVQYYLQYVDRYVEFRRSANPGFCTBITMENLITIHHEMGHLQYYLQYQDKNQPVVFFRRSANPGFCTBITMENLITIHHEMGHLQYYLQYQDKNQPVVFFRRSANPGFCTBITMENLITIHHEMGHLQYYLQYQDKPVEFREGANPGFCTBITMENLITIHHEMGHLQYYLQYQDKPVEFRRSANPGFCTBITMENLITIHHEMGHLQYYLQYQDKNQPPLFRNSANDGFNFTPGADDLRVLFHEFSHVVHHISNRATFSRFSARLEGDFNFTPGADDLRVLFHEFSHVVHHISNRATFSRFSARLEGDFNFTPGADDLRVLFHEFSHVVHHISNRATFSRFSARLEGDFNFTPGADDLRVLFHEFSHVVHHISNRATFSRFSARLEGDFNFTPGADDLRVLFHEFGHCLQHVLTSSPHHNLSSQLGRDTPSLFDRGANEGF
UniRef90_C5FFJ8 UniRef90_UPI0002B47019	NFSKPHDEVVITLFHELIGHGLHDLVSKTLYRFHGTNTVRDF MCNFPRPGLQKRFHHVTG
UniRef90_C7ECU7 UniRef90_UPI0003614BB7 UniRef90_UPI0003C8DB15	OT ONT ME OF STUHE MGH VOYVI OVK DOPVI E GAP GEH
UniRef90_UP10003C6DB15 UniRef90_T1EFC3 UniRef90_C3Z9J6	CTTVNMGWFMTTHHEMGH EYYLQYKEQPINFRSGPGFH CTNINMDDLVTIHHEMGH EYYLQYKHQPVPFGGNPGFH CIQKTAEDFTVIHHELGHNFYQRAYKNQPFIFKNSANDGF
UniRef90_A1S6L6 UniRef90_F7CNA8	C
UniRef90_A0A059FB28 UniRef90_V9KD42	CTKTTMDDFLTAHHEMGHIQYDMAYAAQPFLLRNGANEGF CTEVNSEDFFTVHHELGHNFYQ RAYKDQPYLYKNGAHDF CTKLNMEDFLTVHHEMGHLQYDMEYAHLPYLLRDGANEGF
UniRef90_A0A024EBY6 UniRef90_UPI0003F05CA3	NFTPGHKDLRVLFHEFGHCLQHVLTRSPHHRLSGITQLDS CTSINMEDLITIHHEMGHT QYFLQYKDQPVVYRRVGDLL CIQRTGEEFSVIHHELGHNFYQRAYNKLPLYYQESANDGF
UniRef90_A4CBQ1 UniRef90_K8EZS0 UniRef90 UPI0002B8E860	OF QRIGEERSVINHELIGHNEY QRAYNKLPLYY QESANDGENI GNREREVETER HEFGHVMHCVLTKSMQAWAWSAVPWDECTVVNMEDLITIHHEMGH LQYYQQYKDQPLPFRGGPGFHCLQRTGEEFSVIHHELGHNFYQRAYKDQPVYYQESANDGF
UniRef90_UP10002B8E880 UniRef90_I1DZ25 UniRef90_Q16W80	CIQRT GEEFSVI HHELGHNFY QRAYKDQPVYY QESANDGF CTNINMEDFI TVHHEMGHIMY FI LYKDQPQI FKT GAT PAF
UniRef90_UPI00037164CF UniRef90_UPI000477EACD	NFTEVÜADLRVLFHEFĞH <mark>CÜ</mark> HHTLTRSPHYTLSSQÜGRDT HLSMNQRGLSLLLHELGHAAYEQSIDRKLPFLLRQPAHPL
UniRef90_R7Z2U0 UniRef90_K7A9D9	CT QV S GE D F Y TV H H E L G H N Y Y Q R A Y K D Q P QL F K T G A T P A F N F T E V L A D L R V L F H E F G H C L H H T L T R S P H Y T L IS S Q L G R D T H L S M N Q R G L S L L L H E L G H A A Y E Q S I D R K L P F L L R Q P A H P L N F S K P H D E V V T L F H E L G H G I H D L V S R T T Y Q F H G T N T V R D F C I Q L T G E E F S V I H H E L G H N Y Y Q R A Y K E L P M L Y R G S A N D G F C T Q V S G E D F Y T V H H E L G H N Y Y Q R A Y K N Q P F L F K D S A N D F A C Q I P F S E V V N L F H E F G H V V Q H I C N R S F A R F S G L R V D P D F
UniRef90_F4QLE0 UniRef90_D7KVN0	UIQVSGEDFYTVHHELGHNYYQ RAYKNQPFLFKDSANDF ACQIPFSEVVNLFHEFGHVVQHICNRSFARFSGLRVDPDF

	450 400 470 470
UniRef90_UPI0004417218	450 460 470 480 VE A P S Q M L E N W C WE P K V L K Q M S R H Y K T D E L L K K L V D S R Y F
UniRef90_V5CN13	VEFPSQINEHWASQHYARHYQSGEPMPDALRDKMLRATQF
UniRef90_V5WL70 UniRef90_F0ZGU0	A E T Q S M F C D S
UniRef90_B7GDX9	VIETPSHWMENYAWDTDFII IKAIVIHPOTGASII IPDFII I IRAII IOKS
UniRef90_E1ZJ43	<u>A</u> ETQSM <u>TL</u> DSLAGDWM <u>GR</u> YARNAAGE <u>VVPLDI</u> ILEKII <u>R</u> ST
UniRef90_UPI00036167A0 UniRef90_L7UI67	V E F P S Q V N E M W A T E P K V L Y A K H Y Q T G A A M P Q E L L D K V I A S V E A P S Q M L E E <u>W A</u> R D A F A <u>K</u> H Y <u>Q</u> T G E L L P E <u>E M V</u> T R L R R A K G L
UniRef90_B7VSE6	A E T Q S M F <mark>C</mark> D S L N D A D W L Q A V P D E L I K A I I D N K Q P F R A Y Q
UniRef90_G4LW94	VIFCPSQMI IFN WIVIWNIVID GILIK AIL LID TND DPILIPK DILLIA NILLIN F
UniRef90_A3YGQ4 UniRef90 UPI000225EBBE	A E T Q S M F C D S L L N D A D W L K Q Y A P D S L I Q S L I N A N Q P F K A F V E Y P S Q V H E M W A T Y P E V K H V E T G E T I P T E L V D K I E A S S
UniRef90_F9TNC8	AETQSMFCDSLLTDADWLKQYTDELIKAMIDSRQPFKAYE
UniRef90_A3GFY2 UniRef90_U2IHQ8	IVIETPSOMILIEEWTWSKNEILIHEOTGEPILINDEILLIDOILLIKSKHE
UniRef90_02111Q8 UniRef90_A0A059F6D2	I IEAPSQMILIENWIVIWDYDTILIRFAKDADGNIVI IPPEILVIEKMIVIAA
UniRef90_F9SBR6	A E T O C M E C D C II I IN D A D WII IV O V D D E II I IV A MII ID C V O D E D A V O
UniRef90_UPI0003B5BE17 UniRef90_B0WWV4	VEFPSKFMEHWIVSPEILQFGVPSELTEAILGRGEQVGQGFA
UniRef90_A9F3Y2	<u>VEAPSQMFEEWAWDLFAKHHATGEKIPDALFQAMT</u> RARGF
UniRef90_G0NTF7	S E P S N M E Y F F S N N V R T D R D E D Q S V E S A A T L A S R H S E A A M L F G R M T K D Q D W T R F K P E H A S A L R D T L Q R E M L V S
UniRef90_S9TA09 UniRef90_L7ZL13	A E T Q S M F C D S L L D D A WL K R Y A K N A A G E A V P D A L I E A G I A A
UniRef90_B0G4W1	SEIMSQGLELICYDYYDTYY PECGDALSSFVIFDMMAS
UniRef90_F6V9L3 UniRef90_UPI00030144E6	SEIMSQGLELICYDYYDTYY PECGDALSSFVIFDMMASHEAVGEIMSLSAATPNHLFYEDSETEINFLLKQALTLVGTAEFAGQLFEHWCLSWLGAHYQSGERLTLARVNTALTAIGAIEAPSQLLEEWTWDYTTLKSFAGEVIPETLVAKMNAGRHFVEAPSQMLENWCWERMSAHFKDKSPIPDEMLDKLIASRNFVEAPSQMLENWCWTPSQLRSLSHHYLANLISTKHVNDALF
UniRef90_V4NDH7	TEAPSQLLEEWTWDYTTLKSFAGEVIPETLVAKMNAGRHF
UniRef90_A7RJZ8 UniRef90 M2UJB9	VEAPSOMLENWCWERMSAHFKDKSPIPDEMLDKLIASRNF
UniRef90_N2UJB9 UniRef90_S2J172	VEAPSQMLENWCVTPSQLRSLSHHYLLANLISIKHVNDALLP VEAPSQMLENWCYDPKSLKYLTSHFKTRLVKAKNVDAAML
UniRef90_G0E6A9	VEFPSQIYEHWAREHYAKHYQTGEAMPDDLRDSM FRAS
UniRef90_E0VYZ8 UniRef90_G7LV22	EALGDVMALSVSTPKHLKKLGLLD <mark>C</mark> TDDDYESDLNQLYNM AETQSMF <mark>C</mark> DSLL <mark>H</mark> DADWLKRYAKNRQGEVIPDELIRAAFN
UniRef90_G3RZV1	VEVPSOMERNWVWDRESKHVKDGSPESDDI TEKL VASREV
UniRef90_W5WPJ5 UniRef90_C6DED8	VEFPSQINENWALEPEVHYAKHÜDTGEVLPDRLVKAÜREQAETQSMFCDSLLGDAWLKRYAKNTQGETIPDELIRADISTHEAIGDMVSLSLTPKYLKQLASEEVNTNILMAQALDKIAFHEAVGELMSLSAATPTHLQAEDFETELNFLFKQALTIVGT
UniRef90_C6DLD6	HEALIGD MVSLSI TPKYLKQI ASEEVNTNI LMAQALDKI AF
UniRef90_UPI000273AB7B	HEAVGELMSLSAATPTHLQAEDFETELNFLFKQALTIVGT
UniRef90_I0GLM9 UniRef90_P12821	I E A V A M F F G R L A R P N L A S L N L S E I S P R L M K L L R Y Q L A I I
UniRef90_A2QM17	VEAPSQLLEYW <mark>C</mark> WVPEMDANRPPREIPEALVKRLAAVKQV
UniRef90_G3X795 UniRef90_I3UJJ7	VEVPSQMLENWVWDADSKHYRHGSPITDDLLEKLVASRLV HEAISTPKHLHSLNLLSSEGGSDEHDINFLMKMALDKIAF
UniRef90_I30337 UniRef90_G0W5G4	VEAPSQMLEFWTWNKNELLSLSKHYKEKIPEDLLDSLIST
UniRef90_K1Z719	HEALTTENOLAVISORSYLTSYPDDDLRALIA OAFFEV VEL
UniRef90_B3RUA8 UniRef90_T1IK18	VEAPSOMIENWVWHYKTKEPIPEEMIOKIVASOKANAGIE
UniRef90_B8MCP2	<u>S</u> EAPSQLLEYW <mark>C</mark> WVPHWKTAKASKD <u>AL</u> QP <u>PMEIIPD</u> EIIVHN
UniRef90_U6DTW4 UniRef90_G0S7K9	V E A P S Q M L E N W V W E R M S Q H Y K T G G A I P Q E L L E K L I K S R Q F V E A <u>P</u> S Q M L E <u>N</u> W C W T <u>P S Q L H</u> Y Q T G A Q <u>I P</u> D E L <u>I E K L I</u> A T <u>K H</u> F
UniRef90_W5JI07	HEAVATPNHLRKVGLLDEYADSEADNVNALFEMALERVAF
UniRef90_UPI00033430F5 UniRef90_UPI0002E722D0	H E A V G E M S L S A A T P K H L F S E D P E T E N F L L K Q A L T I V G T A E T Q S M F C D S L L Q D A D W L K R Y A C N A Q G E V I P D A L I Q A A F N
UniRef90_W4Y117	HEANGEVMSLSVSTPKHLQENGLFEGNEDIETDINFLLMT
UniRef90_B8MXG0	TEAPSQLLEYWCWQEYHKHWLDGQKEKEITLDLAENLGAT
UniRef90_UPI0004624847 UniRef90_UPI00036812F3	VEAPSOLIEFWTRDPATREAVHHETGETIPAEI VEQMRAA
UniRef90_C3Z9J8	E A V G D T L A L S V N T P G H L K K L Q G T E F Q I N E L L K M A L S K V A F
UniRef90_UPI0004438A24 UniRef90_U3JP73	HEAVISTPAHILIHTILIGILIDRATNDRESDITNFILIK MALIEKITAF HEAVIGELIMALISAATPOHILIEODDKETEILNELLIK OALITILVIGT
UniRef90_A5P713	VEYPSQVHEMWATYPEVKHYQTGETTPQAMVDRIEAASKF
UniRef90_W4WZE4 UniRef90_K1R5X4	HEAVISTPSHILIKKII GILLIMDDSTDREAFILINHILIYMKSILIDKII VIF
UniRef90_Q7NGM5	HEAVSVTPEYLVKVGLMGTLPGPEADTGLLRQALDKVAF
UniRef90_K3XF55 UniRef90_A0A059KY41	A E I P S L L LE N W C F E S L S L K M M S G F H Q D L T R S V T S E A C Q S L
UniRef90_M3B880	YEMPSQMMENWAYERAVLKVQPPEQLPDDLIDEILKARNA
UniRef90_A9L194	HEALSOTPS YLK QUGLLDEVPDASK DUGLLLK QALDKLAF
UniRef90_C5FFJ8 UniRef90_UPI0002B47019	A E V P S I L M E Y F A T D K R I L Y A K H Y K T G O S I P F D I I H A I N S S
UniRef90_C7ECU7	HEAVGELMSUSAATPEHLFQEDSETEINFLLKQALTLIGT
UniRef90_UPI0003614BB7 UniRef90_UPI0003C8DB15	HEAVISILITPKYLKELIGLMNEVPDESKDILGYLMQQALDKILAF
UniRef90_T1EFC3	E A I A D I A S L S V A T P E Y L K F V D N P S G D L N F L M N Q A L S K V A F
UniRef90_C3Z9J6	E A V G D L L A L S V S T P T H L Q G I G L L D T V D D D D Q S D I N F L M S M
UniRef90_A1S6L6 UniRef90_F7CNA8	HEAVGEIMSLISAATPKHLIFQEDSETEIINFLLIKQALITII VIGT
UniRef90_A0A059FB28	HEALIGDELALIST PEYLEQUEGEDADTALL MOTAL DKI AF
UniRef90_V9KD42 UniRef90_A0A024EBY6	HEGIVIGE I IMSILIS A A I PKHILIFIVIE I SKILIDILIN FILLIK QAILIS I VIGT A F F T G OILIF FILLIWI A A H H O T G F RILIA F A RIVID T A ILIA
UniRef90_UPI0003F05CA3	ALSVSTPDHLHOLGCLDTVEDDAEADINFLMSMALDKIAF
UniRef90_A4CBQ1 UniRef90_K8EZS0	HEALIGD TILALISIVIT PGYLKQVIPDESKDILGLLMKMAMDKVAF
UniRef90_UPI0002B8E860	EAVGDTLALSVSTPKHLNKIIGLLDEVEEDDEADIINYLLSQ
UniRef90_I1DZ25	HEALSVIP DYLQQUGLLDKVP DESKDUGLLKMAMDKI AF
UniRef90_Q16W80 UniRef90_UPI00037164CF	A E T Q S M F C D S L L Q D A D W L K R Y A C N A Q G E V I P D A L I Q A A F N T H E A I G E V I M S I S V S T P K H L Q E I G F E G E D I E T D I N F L L M T T E A P S Q L L E Y W C W Q E Y H K H W L D G Q K E K E I T L D L A E N L G A T A E A P S Q M L E N W C F H Y K T G E P L D E D F L N K I L K S R Y T N V G M R A A E A P S Q M L E E W T R D P A T R F A V H H E T G E T L P A E L V E Q M R A A F H E A V G D T I A L S V N T P G H L K K I Q G T E F Q I N F L L K M A L E K I A F H E A V S T P A H L H T I G L L D R A A T N D R E S D I N F L L K M A L E K I A F H E A V S T P A H L H T I G L L D R A A T N D R E S D I N F L L K M A L E K I A F H E A V S T P S H L K K I S K Y F H E A V S T P S H L K K I S T P K H L H D D S T D S T D L N F L L K M A L E K I A F H E A V S T T P S H L K K I G L L M D D N D N E T D L N F L L K M A L E K I A F H E A V S V T P E Y L V K V G L M G T I P G P E A D T G L L R Q A L D K V A F H E A V S V T P E Y L V K V G L M G T I P G P E A D T G L L R Q A L D K V A F H E A V S V T P E Y L V K V G L M G T I P G P E A D T G L L R Q A L D K V A F H E A V S V T P E Y L V K V G L M G T I P G P E A D T G L L R Q A L D K V A F H E A V S V T P E Y L V K V G L M G T I P G P E A D T G L L R Q A L D K V A F H E A V S V T P E Y L V K V G L M G T I P G P E Q L D D L L L D E Q L D K V A F L Y E M P S Q M M E N W Y E R A V L K V Q P P E Q L P D D L L L D E Q L D K A R N A H E A L S T T P S Y L K Q I G L D E V P D A S K D D G L L K A R N A L E K I A F R A S L D L D T V L A V L E T R A S L T P E Y L K F Y C D D D D D D D D D D D D D D D D D D
UniRef90_UPI000477EACD	A E F A G Q L F E R W C F S R E F L Q W L A A H H R E A Q L D K A L T S L Q A H S E A A A L L F E R L A W D A S W L H T T A E S D C P G F A W D E L K A A H R D VE A P S Q M L E N W C W T P S Q L K A L S H H Y E E R L P D E L I S N L I K F H E A I S L T P K Y L K E I G L V N T I P D E S N D I G M L L K L A L D K I A F H E A I G D F I G L S S V T P T Y L N Q I G L L D K V P G E S E D I P F L L K M R E I P S Q L L E N W Q D I T K P L V D E V C K T L K R W R Y S F S A L K S
UniRef90_R7Z2U0 UniRef90_K7A9D9	VIE A P S Q MILE N WC WT P S QILK AILS HHY E E R I P D E L I S N L I K F
UniRef90_K7A9D9 UniRef90_F4QLE0	HEAI GDFIGLSSVTPTYLNQIIGLLDKVPGESEDIIPFLLKM
UniRef90_D7KVN0	RELPSQLLENWQD LTKPLVDEVCKTLKRWRYSFSALKS

```
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_A3YGQ4
UniRef90_UPI000225EBBE
UniRef90_F9TNC8
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_BOWWV4
UniRef90_S9TAV2
UniRef90_S9TAV9
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_A7RJZ8
UniRef90_A7RJZ8
UniRef90_A7RJZ8
UniRef90_B0E6A9
UniRef90_G0E6A9
UniRef90_G0E6A9
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_G3RZV1
UniRef90_G3RZV1
UniRef90_UPI000273AB7B
UniRef90_UPI000273AB7B
UniRef90_UPI000473AB7B
UniRef90_UPI0049
UniRef90_P12821
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
UniRef90_B0BPJG6
 UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_T1IK18
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_UPI00036812F3
UniRef90_UPI0004438A24
UniRef90_USJP73
UniRef90_ASP713
UniRef90_ASP713
UniRef90_K1R5X4
UniRef90_K1R5X4
UniRef90_K3XF55
UniRef90_M3B880
UniRef90_M3B880
UniRef90_A9A059KY41
UniRef90_C5FFJ8
UniRef90_UPI0002B47019
UniRef90_UPI0003614BB7
UniRef90_UPI0003C8DB15
UniRef90_UPI0003C8DB15
UniRef90_T1EFC3
UniRef90_T7CNA8
UniRef90_F7CNA8
UniRef90_F7CNA8
UniRef90_V9KD42
UniRef90_V9KD42
UniRef90_V9KD42
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
UniRef90_A4CBQ1
UniRef90_A4CBQ1
UniRef90_UPI0002P8F860
 UniRef90_B8MXG0
 UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPl00037164CF
UniRef90_UPl000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
```

	500
UniRef90_UPI0004417218 UniRef90_V5CN13	530 540 550 560 LVKGGEPQPGQGTFGHITGGYDAGYYGYT YSLVFAADM KEKLDLAAVPPRYRSSYFSHIEGGGYAAGYLWTQMLADDG
UniRef90_V5WL70	LGLEVSPRPLLAI PHLLANGSY QGYLLAHMA FLNPNQKGTHPGASFEHVMGGYDAQY YSYMFSEVFSASI
UniRef90_F0ZGU0 UniRef90_B7GDX9	ELGVPYTDGTH <u>W</u> HS <u>R</u> FG <u>H</u> LYGAGYYGYLYAQVFAGDL
UniRef90_E1ZJ43 UniRef90_UPI00036167A0	IVID Y A PIVIP P R Y R T T Y F S HIVIF S G G Y S A G Y Y G Y II IWA F R II ID A F T
UniRef90_L7UI67 UniRef90_B7VSE6	TPFPYVEDTYFHLSFGHLEGYSSN YYTYMWSMVIAKDL LGLACSPRPLMAL PHLLSDEASCAY QGYLLAHMA
UniRef90_G4LW94 UniRef90_A3YGQ4	LGIEPIPDTFWPASFLHLTCGYDGRF YSYLWSRVYSIDI LGLKTSPRPLLAI PHLLSQEAACSY QGYLLAHMA YEDSSLRDVPPRYRTSYFNHIFSGPGYYSYLWTQMLDRDS
UniRef90_UPI000225EBBE UniRef90_F9TNC8	TIGILIE CSPRPILIAILI PHILLISDESA CAY QGYILLIAHMA
UniRef90_A3GFY2 UniRef90_U2IHQ8	L VDSDHI PTKGYSSFGHIAGGYESGYYGYLYSSVYSADI LPASPAPCQMSTTFGH I FSGGYSAGYYGYKWAEVLDADA
UniRef90_A0A059F6D2 UniRef90_F9SBR6	SPFETLIPDVIHPYASFGHLIDGYSAILYYTYQWSLIAILSILFSEF LIGLID <mark>C</mark> SPRPILMAIL PHILLISDEAS <mark>C</mark> AY QGYLLIAHMA
UniRef90_UPI0003B5BE17 UniRef90_B0WWV4	MPEAILIGILIRHRILIPHETHILIEDGGYAAAY YSYILIWSEIVLIDADA
UniRef90_A9F3Y2 UniRef90_G0NTF7	HPFPLDKKDAHPCSMTPLFSGDWGAAYYSRLWSRLVAADV ANESFAFVKGTHLQSSFGHLITYDAGYYGYQWALSLSRDV AMPHVHRSPDSAFQHRFHHTVQYGAKYYSYLVARASACLI
UniRef90_S9TA09 UniRef90_L7ZL13	LGLSGSPRPTLAL PHLLSLESACSY QGYLLAMMA
UniRef90_B0G4W1 UniRef90_F6V9L3	G V V E P V P H D E I Y C D P A A L F H V A N D Y S F I R Y Y I R I I Y Q F Q F
UniRef90_UPI00030144E6 UniRef90_V4NDH7	YSQFPAILIAGI HPYASFGHILIDGYSAILIY YLYIVIWSKAILIAILIDILI
UniRef90_A7RJZ8 UniRef90_M2UJB9	A T P G T N M P A S F G H L A G G Y D A Q Y Y G Y L WS E V F C M M F G P E S L E G D K K G D W H W A G T R H T D D N H R Y Y G Y L S S Q V Y S T D M
UniRef90_S2J172 UniRef90_G0E6A9	E K
UniRef90_E0VYZ8 UniRef90_G7LV22	QGLASVLRSEKDFDPGAKYHTIANVPYIRYFVSFIIQFQF LGIGGSPRPTLAI PHLLSMESACSY QGYLLALMA LGVAATPGNQAMTFRNWQKGNFLNFFSFAYSILFILSMCF
UniRef90_G3RZV1 UniRef90_W5WPJ5	LGVAATPGNQAMTFRNWQKGNFLNFFSFAYSILFILSM <mark>C</mark> FAEAGVDMNGAIAYRSSYFNHIFAGGYSADY WSYLWAEVL LGISGSPRPTLAI PHLLSMESACSY QGYLLALMA
UniRef90_C6DED8 UniRef90_G8PJG6	Q GIVIA A PIVIE R A A D A F P G A K Y HII IP N NIVIP Y T R Y F IL IA HII IF Q F Q F
UniRef90_UPI000273AB7B UniRef90_I0GLM9	G V
UniRef90_P12821 UniRef90_A2QM17	QGII ICPPIVIT R N E T H F D A G K F HIVIP NIVIT P YII IR Y FIVIS FIV L IQ F Q F
UniRef90_G3X795 UniRef90_I3UJJ7	LGVAATPGTNMPATFGHLAGGYDGQYYGY LWSEVFSMDM QGLCPPVPRTQGDFPGAKFHIPSSVPYIRYFVSFI I QFQF
UniRef90_G0W5G4 UniRef90_K1Z719	E CL VENGENFT KGYNSFGHI I SDSYYYGYMWA E V FA A D M QGPPT E R D E H Y C D A A S K T H I N D Y P V M Y F N Y A F A Q V L A Y Q L
UniRef90_B3RUA8 UniRef90_T1IK18	Q G P
UniRef90_B8MCP2 UniRef90_U6DTW4	Q G P Q D G L N W G S G H A T S S H Y L W G Q E A N Y Y S Y L F T R L L A A D M
UniRef90_G0S7K9 UniRef90_W5JI07	GPEALGEPSTWGNGQATFGHGGYDAGYYGYLYSQVYSTDM KVYAPIIERTEQDFDPGAKYHIIPASSQYIIAYFLIAHII LEFQF
UniRef90_UPI00033430F5 UniRef90_UPI0002E722D0	KVYAPIERTEQDEDPGAKYHIPASSQYIAYFLAHILEFQF GVAEPVPHDENYCDPATLFHVSNDYSFIRYYTRTIYQFQF LGISGSPRPTMAI PHLLSMESACSY QGYLLATMA GVDAPVERSENDFDPGAMFHFTINYPFIGYFIGTILKFQF
UniRef90_W4Y117 UniRef90_B8MXG0	RGPGDGYDWGNGHVTTSHYVWGQFASYYSYLYTRTI AADI
UniRef90_UPI0004624847 UniRef90_UPI00036812F3	LLKTPEPCPGHAGFHHLVGDYSVGYYGYSYSL VFAADM FARHLPYKPVDDVWFHLSFGHLDGYSYYTYMWSLVIAKDL QGIKPPVETDEDFDPGAKYHIPSGTPYIRYFFSFVAQFQF
UniRef90_C3Z9J8 UniRef90_UPI0004438A24	QGIKPPVETDEDFDPGAKYHIPSGTPYIRYFFSFVAQFQF QGI <mark>C</mark> PPVFRNETHFDAGKFHVPNVTPYIRYFVSFILQFQF
UniRef90_U3JP73 UniRef90_A5P713	QGI CPPVFRNETHFDAGKFHVPNVTPYIRYFVSFILQFQFGVVEPIPHDETYCDPASLFHVANDYSFIRYYTRTILYQFQFGLEIDLVPP RYRSTYFNHIFSGPGYYSYLWTEMLDRDSQGIEPPVDREEDFDPGSKYHIIAGVEYIRYFVSFVIQFQFQGISPPVDTEEDFDPGAKYHIPSNTPYIRYFVSYVIQFQFQGVAPLPRSEADFDPGAKYHIPSNTPYIRYFVSYVIQFQFQGVAPLPRSEADFDPGAKYHIPSNTPYIRYFVSYVIQFQFQGVAPLPRSEADFDPGAKYHIPSNTPYIRYFVSYVIQFQF
UniRef90_W4WZE4 UniRef90_K1R5X4	QGI EPPVDREEDFDPGSKYHI TAGVEYTRYFVSFVI QFQF QGI SPPVDTEEDFDPGAKYHI PSNTPYI RYFVSYVI QFQF
UniRef90_Q7NGM5 UniRef90_K3XF55	II IGII IPII I IE G I S P A S L E P KII IAIVIG Y D AIVIL — Y S Y II IVVS EIVIE A A DII I
UniRef90_A0A059KY41 UniRef90_M3B880	PPVQLPSY <mark>C</mark> RFANSFDYMVTGY AASVYAYTWSGVLAILEA GPEALIGEGFHWGHKESTFHHIIMSSYAYYAYHWSRIIYGKDL
UniRef90_A9L194 UniRef90_C5FFJ8	QGKAPTKRSEADFDPGAKYHVPGNVPYTRYFLAHILQFQFASLDGPEVLGQGYDWGHGEATFGHLGYYGYLSSQVYSTDMHKEYSPITYVPGAAWHLRFSHFHSYGYYAYVWSKALASQI
UniRef90_UPI0002B47019 UniRef90_C7ECU7	H K E Y S P T Y V P G A A WH L R F S H F H S Y G Y Y A Y V W S K A A S Q G V V E P L P H D E T Y C D P A A L F H V S N D F S F L R Y Y T R T I Y Q F Q F
UniRef90_UPI0003614BB7 UniRef90_UPI0003C8DB15	GVVEPLPHDETYCDPAALFHVSNDFSFLRYYTRTIYQFQF QGEAPVERTEANFDPGAKYHIPGNTPYARYFLARIQQFQF QGCPPVVRNETHFDAGAKFHVPNVTPYLRYFVSFVLQFQF
UniRef90_T1EFC3 UniRef90_C3Z9J6	G[] Y P P V K R S E F D F D A G S K F H V P N N T P Y R Y F V A H I Q Y Q F Q G P P [P R N N A K D F D P G C K F H P G N T P Y R Y F V S F V Q F Q F
UniRef90_A1S6L6 UniRef90_F7CNA8_	G V V E P V P H D E T Y <mark>C</mark> D P A S L F H V S N D Y S F I R Y Y T R T L Y Q F Q F
UniRef90_A0A059FB28 UniRef90_V9KD42	G V V E P V P H D E T Y <mark>C</mark> D P A A L F H I A N D Y S F I R Y Y T R T I F Q F Q F
UniRef90_A0A024EBY6 UniRef90_UPI0003F05CA3	L P P Y C R F A N S F D Y Q G V E V E R S D E A G H F P G A K Y H I P G N T P Y I R Y F I S H V L Q F Q M
UniRef90_A4CBQ1 UniRef90_K8EZS0	QGKAPIIARSEADFDPGAKYHVPGNTPYTRYFLIAHIL LQFEF
UniRef90_UPI0002B8E860 UniRef90_I1DZ25	Q G P P V E R D G T T D F D P G A K Y H V P A N T P Y L R Y F V S F V V Q F Q F Q G V A A P L A T F A D F D P G A K Y H V P G N V P Y T R Y F L A H L L Q F Q F
UniRef90_Q16W80 UniRef90_UPI00037164CF	Q
UniRef90_UPI000477EACD UniRef90_R7Z2U0	OOII IR R P A F WN Y P F WA A K A HII IT TII IP T O Y Y T YII IF G F II IA A S OII I
UniRef90_K7A9D9 UniRef90_F4QLE0	KLDGPVFGDGKNWKWANGEATFGHLISSQVYSADMFYTVF QGVMAPVERSSDAFPGAKYHVPSNTPYTRYFLAHVLQFQF QGSAPGVRPSTAFDPGAKYHIPAGVJSYTRYFLADILQFQF
UniRef90_D7KVN0	MI GLPVVEGTNPASCFPRAVIGSEATCYSRLWSEVYAADI

```
Y K T V F E A D P STO P K R G Q H Y E S G G S R D E M Q S L E A F G R K P N S

Y K T V F E A D P STO P K R G Q H Y E S G G S R D E M Q S L E A F G R K P N S

Y Q W F V E Q G E N G Q K F R E A L S R G N S T D L A E L Y R Q

V Y Q T R A F E A C S G D E L W H K V L L H G G G A K D P S D M L

V L W F N E N G K N G D Y F R K M L L S K G G T M D A M Q M F R E F R G H D P K

W R H L F Q E K G E P A K A Y R R A V L E P G G S D D A A R L Y H A F

V L W F N E N G K N G D Y F R K M L L S K G G T M D A M Q M F R E F R G H D P K

E T V Y D Q E K G E P A K A Y R R A V L E P G G S D D A A R L V H A F

V Y Y O T R A F E S C A M D G R D Y R E K L R P G G S D D A A R L V H A F

V Y O T R D Y F K K

R A W F Q A M D G R D Y R E K L R P G G S K D A A D M L K D F G R E P N D

V Y Y O T R A M F S C C A M D G R D Y R E K L R P G G S K D A A D M L K D F G R E P N D

V Y Y O T R A M F S C C A M D G R D Y R E K L R P G G S R E L D A E L L Y E R F R G R D P N S

V Y Y S L F K K D P M N V E N R D L L K R G G S R E L D A E L L Y E R F R G R D P N S

E A A F G C C A M D G R D Y R E K L R P G G S K D A A A D M L K D F G R E P N D

V Y Y O T R A F S C C A M D G R D Y R E K L R P G G S K D A A D M L K D F G R E P N D

V Y Y D T R A F S C C A M D G R D Y R E K L R P G G S K D A A D M L K D F G R E P N D

V Y S L F K K D P M N V E N R D L L K R G G S R E L D D W L L K R G R R F R R G L V L A K G G R D R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G R D A E S F G C D A R C S F G R D A E S F G R D A E S F G C S F D A E S F G C D A R C S F G C D A R C S F G C D A R C S F G C D A R C S F G C D A R C S F G C D A R C S F G C D A R C S F G C D A R C S F G C D A R C S F G C D A R C S F G C D A R C S F G C D A R C S F G C D A R C S F G C D A R C S F G C D A R C S F G C D A R C S F G C D
UniRef90_UPI0004417218
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
UniRef90_B7GDX9
UniRef90_B7GDX9
UniRef90_UPI00036167A0
UniRef90_L7UI67
UniRef90_B7VSE6
UniRef90_G4LW94
UniRef90_G4LW94
UniRef90_UPI000225EBBE
UniRef90_UPI000225EBBE
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_U2IHQ8
UniRef90_U2IHQ8
UniRef90_P5SBR6
UniRef90_F9SBR6
UniRef90_P010003B5BE17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         570
A D P L D P K R G Q H Y R E S G G S R D E M Q S L E A F G R K P N S
Q G E N G Q K F R E A L L S R G N S T D L A E L Y R Q
  UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_GONTF7
UniRef90_S9TA09
UniRef90_FOVA13
UniRef90_FOVA13
UniRef90_UPI00030144E6
UniRef90_V4NDH7
UniRef90_A7RJZ8
UniRef90_A7RJZ8
UniRef90_B0E0A9
UniRef90_GOE6A9
UniRef90_GOE6A9
UniRef90_GOE6A9
UniRef90_GOE6A9
UniRef90_GOE6A9
UniRef90_GOE6A9
UniRef90_GOE6A9
UniRef90_GOE6A9
UniRef90_GOE6A9
UniRef90_GOE6A9
UniRef90_GOE6A9
UniRef90_GOE6A9
UniRef90_GOE7A9
UniRef90_GOE7A9
UniRef90_GOE7A9
UniRef90_GOE7A9
UniRef90_GOE7A9
UniRef90_GOE7A9
UniRef90_GOE7A9
UniRef90_GOE7A9
UniRef90_GOE7A9
UniRef90_GOE7A9
UniRef90_GOE7A9
UniRef90_GOW5G4
UniRef90_GOW5G4
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_GUW3G4
UniRef90_K1Z719
UniRef90_B3RUA8
UniRef90_T1IK18
UniRef90_B8MCP2
UniRef90_U6DTW4
UniRef90_G0S7K9
                                                                                                                                                                                                                                                                                                                                                                                  THE KNOPS WERE A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT A GREAT
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_UPI0004438A24
UniRef90_UPI0004438A24
UniRef90_UPI0004438A24
UniRef90_UPI0004438A24
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_K1R5X4
UniRef90_W4WZE4
UniRef90_A0A059KY41
UniRef90_A0A059KY41
UniRef90_A0A059KY41
UniRef90_A9L194
UniRef90_UPI0002B47019
UniRef90_UPI0002B47019
UniRef90_UPI0003C8DB15
UniRef90_UPI0003C8DB15
UniRef90_UPI0003C8DB15
UniRef90_UPI0003C8DB15
UniRef90_A0A059FB28
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_V9KD42
UniRef90_UPI0003F05CA3
UniRef90_UPI0003BE8660
UniRef90_UPI0003BE8660
UniRef90_UPI0003BE8660
UniRef90_UPI0003P05CA3
UniRef90_UPI0003P05CA3
UniRef90_UPI0003P164CF
  UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_I1DZ25
UniRef90_Q16W80
UniRef90_UPl00037164CF
UniRef90_UPl000477EACD
UniRef90_R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
```

```
610
                                                                                                                                        620
UniRef90_UPI0004417218 E A F L E A L F
UniRef90_V5CN13
UniRef90_V5WL70
UniRef90_F0ZGU0
                                                    ESAFLKTINL
UniRef90_B7GDX9
UniRef90_E1ZJ43
UniRef90_UPI00036167A0
                                                 VEPLLE
DAFLEEIF
QAPSIEAL
PDAYEAYL
UniRef90_A3GFY2
UniRef90_U2IHQ8
UniRef90_A0A059F6D2
UniRef90_F9SBR6
                                                    R E P N E R F L L Q T R G L E A E K A L L Q
UniRef90_UPI0003B5BE17
UniRef90_B0WWV4
UniRef90_A9F3Y2
UniRef90_G0NTF7
UniRef90_S9TA09
                                                    PKYF
PDYLAQA<mark>C</mark>N
UniRef90_L7ZL13
UniRef90_B0G4W1
UniRef90_F6V9L3
UniRef90_F6V9L3
UniRef90_UPI00030144E6
UniRef90_UVANDH7
UniRef90_A7RJZ8
UniRef90_B2JJ72
UniRef90_G0E6A9
UniRef90_G7LV22
UniRef90_G7LV22
UniRef90_G3RZV1
UniRef90_G3RZV1
UniRef90_G8PJG6
UniRef90_UPI000273AB7B
UniRef90_UPI000273AB7B
UniRef90_P12821
UniRef90_P12821
UniRef90_A2QM17
                                                     S E P W T L A L E R I V G L L N Y F E P L F T W L K D
                                                   DAFKEE
EAFYKE
DAFMREDI
HDPLIE
SKPWPDAMEVLSALLDYFSSLKNWLEK
PAYLAQACNLVEEAWQRAEAAIAQASQ
REPNQKAF
PDDVRFAGDRFRRMI
GSPWQDSLEAF
AEPWTKALESVVG
                                                    A Q P L L K Y F Q P V T Q W L Q E P E A Y R E P N Q K A F S R P W P E A M Q L I K P F L K E
UniRef90_A2QM17
UniRef90_G3X795
UniRef90_I3UJJ7
UniRef90_G0W5G4
UniRef90_K1Z719
UniRef90_B3RUA8
                                                    A S A VE Y F K PLD D WLK E N A F L K K G D L V Q A Y L K D
UniRef90_T1IK18
UniRef90_B8MCP2
UniRef90_U6DTW4
                                                   EAFYKE
SEDWQDALEKLQALLEYFEPLYRFLKE
VKPLLNYFEPLFTWLKE
UniRef90_G0S7K9
UniRef90_W5JI07
UniRef90_UPI00033430F5
UniRef90_UPI0002E722D0
UniRef90_W4Y117
UniRef90_B8MXG0
                                                     S M P W Q D A M D A L D A L L E Y Y Q P L M E W L E R T
                                                    PEAY
EAFVKQLF
UniRef90_UPI0004624847
UniRef90_UPI00036812F3
UniRef90_C3Z9J8
                                                   PSAILKYFEPLEKWLREARPLLSYFQPVTEWLQESKPWTQALESVTGLLHYF
VTPMLEARGLVAGD
SKPWQDAMEKIAGLLEYF
SIPWQDAMERLSAILEYF
ATAMLDYFAPLKSWLDE
UniRef90_C3Z9J8
UniRef90_UPI0004438A24
UniRef90_UJ3JP73
UniRef90_W4WZE4
UniRef90_K1R5X4
UniRef90_Q7NGM5
UniRef90_K3XF55
UniRef90_M3B880
UniRef90_M3B880
UniRef90_A9L194
UniRef90_UPI0002B47019
UniRef90_UPI0003C8DB15
UniRef90_UPI0003C8DB15
UniRef90_UPI0003C8DB15
UniRef90_UPICCS
                                                                                                                                   E P L Y E W L K Q N
                                                                                                                                   K P L T D WL T E
                                                    DAYYED
AKAVLDYFAPLKTWLDE
DAFYKE
                                                   VRPLLNYFEPLSVWLKE
ASAIIDYFQPLMAYLEE
ARPLLEYFQPVSE
AKPL MAYFKPLIDWLKK
SQMWPDAMEVITGLDYFQPLITWLEQ
ASAVLDYFAPLKTWLDE
SEPWTLALENVVGLLNYFEPLFTWLKD
ASAMVEYFEPLTEYLDE
SKSWTRALEEVTGLLNYFKPLYEWLKK
UniRef90_UP10003C8D8
UniRef90_T1EFC3
UniRef90_C3Z9J6
UniRef90_A1S6L6
UniRef90_F7CNA8
UniRef90_A0A059FB28
UniRef90_V9KD42
UniRef90_A0A024EBY6
UniRef90_UPI0003F05CA3
UniRef90_A4CBQ1
                                                    A S A | V D Y F K P L M T W L E E A T A | L D Y F A P L Q K Y L D E
UniRef90_K8EZS0
UniRef90_UPI0002B8E860
UniRef90_I1DZ25
                                                    SKPWQFAMNEITGSAD
SQPWQQALEVV
SEDWRFALEKL
UniRef90_Q16W80
UniRef90_UPI00037164CF
UniRef90_UPI000477EACD
                                                    E A F Y K E
S Q P W Q K A L A S L
S Q P W P E A M E A F
E A F L D S
UniRef90 R7Z2U0
UniRef90_K7A9D9
UniRef90_F4QLE0
```

1 10 20 30 40
UniRef90_F1SQT1
UniRef90_UP100037F3EE5
UniRef90_A3QEM1
UniRef90_A3QEM1
UniRef90_JOS0JE5
UniRef90_JOS0JE5
UniRef90_QS0JE5
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_W1YWF4
UniRef90_W1YWF4
UniRef90_UP100032654A22
UniRef90_UP100032AF6EF
UniRef90_UP100032AF6EF
UniRef90_IPC942

lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0 jhmm jpssm



UniRef90_F1SQT1
UniRef90_UPI00037F3EE5
UniRef90_T1G2K4
UniRef90_A3QEM1
UniRef90_A3QEM1
UniRef90_UPI00015B4384
UniRef90_J3SE00
UniRef90_Q50JE5
UniRef90_H3D5P0
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_W74Z01
UniRef90_W9XFD6
UniRef90_UPI0002654A22
UniRef90_UPI00032AF6EF
UniRef90_UPI00032AF6EF
UniRef90_I9C942

lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0

jhmm jpssm



60

70

80

Т

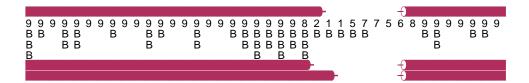
SAEE

50

UniRef90_F1SQT1
UniRef90_UP100037F3EE5
UniRef90_AGGE77
UniRef90_AGGE77
UniRef90_A3QEM1
UniRef90_UP100015B4384
UniRef90_UP100015B4384
UniRef90_Q50JE5
UniRef90_Q50JE5
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_W1YWF4
UniRef90_UP10002654A22
UniRef90_UP10002654A22
UniRef90_UP10002654A22
UniRef90_UP1000326F6EF
UniRef90_UP100032AF6EEF
UniRef90_UP100032AF6EEF
UniRef90_UP100032AF6EEF
UniRef90_UP100032AF6EEF
UniRef90_UP100032AF6EEF
UniRef90_UP100032AF6EEF
UniRef90_UP100032AF6EEF
UniRef90_UP100032AF6EEF
UniRef90_UP100032AF6EEF
UniRef90_UP100032AF6EEF

lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0 jhmm

jpssm



UniRef90_F1SQT1
UniRef90_UPl00037F3EE5
UniRef90_T1G2K4
UniRef90_A3QEM1
UniRef90_J0H00015B4384
UniRef90_J3SE00
UniRef90_J3SE00
UniRef90_B6ZGR9
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_W1YWF4
UniRef90_W1YWF4
UniRef90_W9XFD6
UniRef90_UPl0002654A22
UniRef90_UPl0002654A22
UniRef90_UPl00032AF6EF
UniRef90_UPl00032AF6EF
UniRef90_IPC942

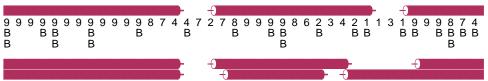
lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0 jhmm

jpssm



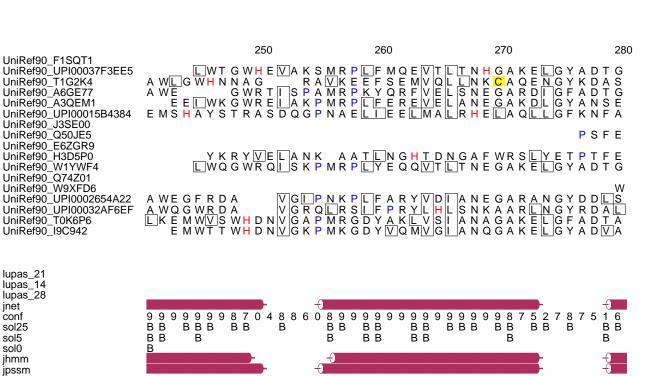
UniRef90_F1SQT1
UniRef90_UPl00037F3EE5
UniRef90_T1G2K4
UniRef90_A3QEM1
UniRef90_UPl00015B4384
UniRef90_UPl00015B4384
UniRef90_UPl00015B4384
UniRef90_UPl00015B4384
UniRef90_UPl00015B4384
UniRef90_UPl00015B4384
UniRef90_UPl00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL00015B45B4
UniRef90_UPL00015B45B45B4
UniRef90_UPL000 170 180 190 200 1 9 9 9 8 7 4 B B B B B B

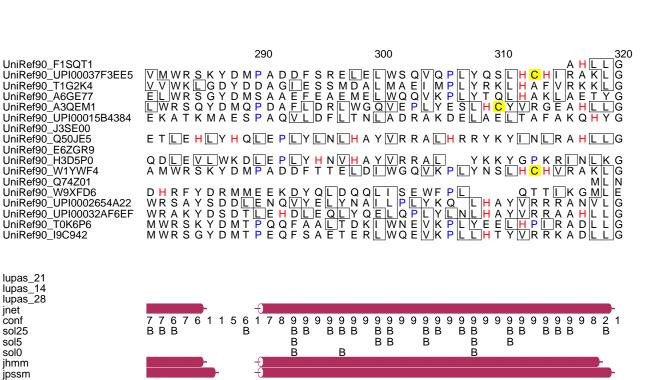
lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0 jhmm jpssm



UniRef90_F1SQT1
UniRef90_UPl00037F3EE5
UniRef90_T1G2K4
UniRef90_A3QEM1
UniRef90_UPl00015B4384
UniRef90_UPl00015B4384
UniRef90_UPl00015B4384
UniRef90_UPl00015B4384
UniRef90_UPl00015B4384
UniRef90_UPl00015B4384
UniRef90_UPl00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UniRef90_UPL00015B4384
UNIRef90_UPL00015B4384
UNIRef90_UPL00015B4384
UNIRef90_UPL00015B4384
UNIRef90_UPL00015B4384
UNIRef90_UPL00015B4384
UNIRef90_UPL00015B4384
UNIRef90_UPL00015B4384
UNIRef90_UPL00015B4384
UNIRef90_UPL00015B4384
UNIRef90_UPL00015B4384
UNIRef90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B4384
UNIREf90_UPL00015B43 210 220 230 240 jpssm

lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0 jhmm





330

DMWGRFWTNLYPLTVPFGEKPSLDDAIRLFEEAEKFFVSL
DIYGEDYDMVAPEHGDPGYQHDYDELK MVRTAENFFLSM
NIFCQHWDLVLPFPGAPPTDLTSVMKKKTVHKMFKVAEEF
ADKPNVYRHMEPHPGQPSIDVTEFDELEMVKTAEGFFTSL
NMWAQQWGNVYDMVAPQDADPGYDDEHQMVKQAEGFFTSL
VDKLESWDLAYYSEKQKQHKFSLSDLFEVVHRLYGLTAKE
DMWAQSWDNIYDMVVPFNNKPHLDVTNTKWNATHMFRVSEE
DMWAQSWDNIYDMVVPFNNKPNLDVTNTKVQKHMFRVAEE
YGMMIPFPDKPNKPNLDVTNTKVQKHMFRVAEE
PLPAHGNMWAQTWSGIMDLVIPYPDATQMFQESDRFFTSL
EKYGTDYDVVAPENADPGYDVTELLAKNNYDELKMVKGAE
FTSL
ITTLERLKFVEITDECEKSVWHEDVKGAKNWNATHMFRVAEE
NMWAQSWVNILDDVFNNLDVFNNLDVFNNLDVFNSV
DMWGRFWTNIYPHVVPYPDLPNLDVSDEMVRQNYARMADE
NMWAQSWVNILDLVLPFPKKPPEDLTKVMKGQHWKPVKM
NMWAQEWGNIYDLVGAGDLGYDLGDLLQMVKAGEGFYSSL
NMWAQEWGNIYDLVGAGDLGYDLGDLLQMVKAGEGFYSSL UniRef90_F1SQT1 UniRef90_UPI00037F3EE5 UniRef90_T1G2K4 UniRef90_A6GE77 UniRef90_A3QEM1 UniRef90_UPI00015B4384 UniRef90_J3SE00 UniRef90_Q50JE5 UniRef90_E6ZGR9 UniRef90_W1YWF4 UniRef90_W1YWF4 UniRef90_Q74Z01 UniRef90_W17WF4 UniRef90_Q74Z01 UniRef90_W9XFD6 UniRef90_UPI0002654A22 UniRef90_UPI00032AF6EF UniRef90_T0K6P6 UniRef90_19C942 lupas_21 lupas_14 lupas_28 inet 9 9 9 B B B 9 8 2 3 0 2 B BB 2 6 8 B 6 B 2 8 9 9 9 9 1 conf 6 В ВВ В sol25 sol5 sol0 jhmm jpssm

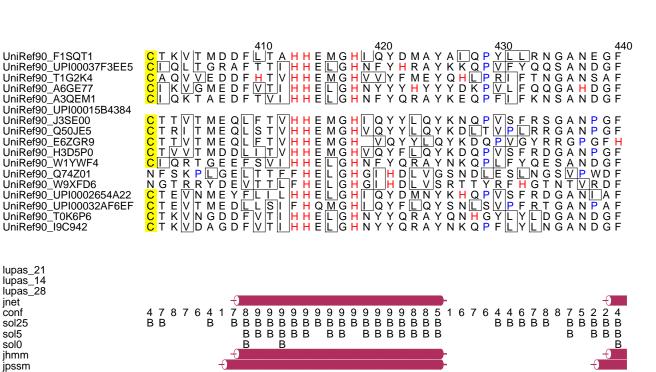
370

380

390

GLPNMTQGFWNNSMLTEPGDGRKVVCHPWDLGKGDFRIGFAPLPDSFYERSLFTKPRDREVQHASAWSLDSKDDRIFTSMGPMTALFWKPADPNVKMVCHASAWSLDSKDDYIGLDPLPETFWERSLFLQPPDRDVQCHASAWDVDFRIGFDALPETFWSRSLFLQPPDRDVQCHASAWDVDFRIGFDALPETFWSRSLFLQPKDRDVQCHASAWDDDIRLRKDLETWHPDVRFFELYDDTN
FFTSLGMFFWEKSMLEKPTDGREVVCHADFFNRKDFRIFFTSLGMFFWAELEKPTDGREVVCHASAWDKDFRIFFTSMGPMPPEFWAELEKPTDGREVVCHASAWDFYNRRDFIFFEKMPDEFWBGSMLVKPEGREVVHASAWDFYNRRDFIGLEPMPQEFWDKSMLEKPSDGRKVHASAWDFYNRRDFITFFTSMGFPLPETFYERPKDRDVQCHASAWNLDSRINPKFQGWLYFDLHPRDGKYGHAANFGMVSAYTLLWDDEGEGFVGYLYLDLFPRTGKYGHAANFNLQPGFVFFSPVNDAFWENSMLERPDDGRDVHASAWDFYNRVDFIFFSPVNDAFWENSMLERPDDGRDVHASAWDFYNRVDFIFGAEAEKFFTSLGLLPVPKKSMANFNLQPGFV 400 UniRef90_F1SQT1 UniRef90_UPI00037F3EE5 UniRef90_T1G2K4 UniRef90_A6GE77 UniRef90_A3QEM1 UniRef90_UPI00015B4384 UniRef90_J3SE00 UniRef90_E6ZGR9 UniRef90_E6ZGR9 UniRef90_H3D5P0 K M M K M K M K M UniRef90_H3D5P0 UniRef90_W1YWF4 UniRef90_Q74Z01 UniRef90_W9XFD6 UniRef90_UPI0002654A22 UniRef90_UPI00032AF6EF UniRef90_T0K6P6 UniRef90_I9C942 lupas_21 lupas_14 lupas_28 inet 1 4 7 7 4 B B B B B B B B B B 9 9 B B 1 B 2 B 1034777 BB B 7 6 6 6 5 4 5 6 7 B B B B B B B B B 9 9 9 9 8 4 4 8 8 2 7 6 conf Β̈́Β В В В sol25 ВВВ sol5 В B sol0

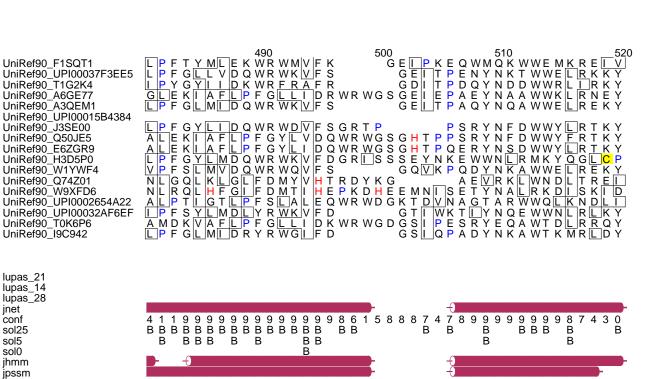
jhmm jpssm



450 460 470

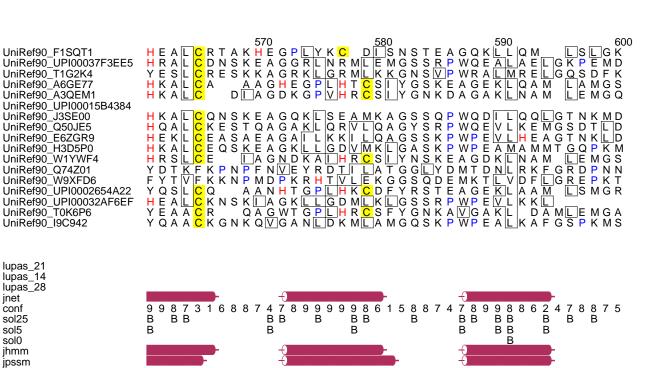
H E A V G E I M S L S A A T P H Y L F Y E D S E T E I N F L L K Q A L T I V G
H E A V S V T P G Y L Q D I G L L E D V P D A S K D I G L L M K M A L D K I A
H E A V G D T I G L S T T T S K H L K S E D G V T Q N D D L M E R A L E K L A
H E G I G D T L A L S V T P K Y L V D M G L L D E V S E D P K A V I N K Q M A
H E A I S I T P N Y L K Q I G L L Q E V P D A S K D I G L L R Q A L D K V A UniRef90_F1SQT1 UniRef90_UPI00037F3EE5 UniRef90_T1G2K4 UniRef90_A6GE77 UniRef90_A3QEM1 UniRef90_UPI00015B4384 UniRef90_J3SE00 UniRef90_Q50JE5 UniRef90_E6ZGR9 UniRef90_W1YWF4 UniRef90_W1YWF4 UniRef90_Q74Z01 V G T I A F L A F M A D V A F HEADSTPINLKKIELLTNVTEDRESDINYLLKMALEKIAFHEIGDVLALSVSTPAHLHKIGLLDRVANDLESDINYLLKMALEKIAFMEIGDVLALSVSTPAHLHKIGLDRVANDLESDINYLLKMALEKIAFMEAIGDVLSLSVSTPKHLQTINLLESVTSDIETDINYLLKMHEAISTPKHLKSIGLLDKVENNYESDINFLLSMALDKISFHEAISVTPGYLKEIGLLEQVPDESKDIGLLMKMALDKVAFVEAPSQMLEYWTARRDVLTMLSKHYEEKIPKSLLDAWFSVVEAPSQMLEYWTARRDVLTMLSKHYEERIPDDLIQKLIKTKNFGEVMSQSVATPKHLKEVGLFDGEDDPIEVMDTDINFLLKMEEAVGSVVTLSASSYTHLFHQDSEEEVNFLLGIALDKIAFHEAIGDFVALSITDYLVKIGLLDPAKVPGPEKDIGLLRQAMDKVAF UniRef90_W17WF4 UniRef90_Q74Z01 UniRef90_W9XFD6 UniRef90_UPI0002654A22 UniRef90_UPI00032AF6EF UniRef90_T0K6P6 UniRef90_I9C942 8 9 9 9 9 8 8 4 7 8 6 3 B B B B B B B B B B B B 3 0 6 6 6 5 1 5 7 7 5 1 1 3 9 9 B BBB B B 9 9 9 9 9 9 9 9 8 ВВВ В В B ВВВ B B B B B B ВВ В В В В ВВ B jpssm

lupas_21 lupas_14 lupas_28 inet conf sol25 sol5 sol0 jhmm



530

GVVEPLPHDETYCDPACLFHVAEDYSFIRYYTRTIYQFQGEAPVVRTEEHFDPGAKYHVPGNTPYTRYFLAHILQFQGNAPVVRKFTDFDPGAKHHVPANVPYSRYFFSYIGQFQGVAAPVERTEDHFPGAKYHIPANTPYSRYFLARILQFQGKAPIARSEADFDPGAKYHVPGNVPYTRYFLAHILQF 560 Q F E F Q F Q F Q F UniRef90_F1SQT1 UniRef90_UPI00037F3EE5 UniRef90_T1G2K4 UniRef90_A6GE77 UniRef90_A3QEM1 UniRef90_UPI00015B4384 UniRef90_J3SE00 UniRef90_Q50JE5 UniRef90_E6ZGR9 UniRef90_W1YWF4 UniRef90_W1YWF4 UniRef90_Q74Z01 QGICPPIANETNFDPGAKYHIPANTPYIRYFVS
QGOPPVVRNETHFDAGAKYHIPSGTPYIRYFVS
QGICPPTRRTEEHFPGAKYHIPSGTPYIRYFVS
PIARTEEDFDPGAKYHIPANVPYVRYFVS
QGKAPIARSEDDFDPGAKYHVPGNTPYTRYFLA
GLMNLKNYTSTGYDSFGHIMAGYAAGYYGYLWS
GPEVFGEGNSWGNGQATFGHGGYDAGYYGYLWS
GVKAPVERTEEDFEAGAMYHIIVTYPFIGYYIR
QGCPPVPRSEDDFDPGAKFHISANVPYIQYFLG
QGVPPVARDETKFDAGAKYHIPGNTPYTRYFLA F | L F | L F | V | L Q V | I T | V L R | L 00000400000 QQQEDDQQQQ QQDDQQQQ UniRef90_W17WF4 UniRef90_Q74Z01 UniRef90_W9XFD6 UniRef90_UPI0002654A22 UniRef90_UPI00032AF6EF UniRef90_T0K6P6 UniRef90_I9C942 lupas_21 lupas_14 lupas_28 inet conf sol25 В B B B B B B B B B B B B B B B B sol5 B sol0 jhmm jpssm



```
S E P WT LALE NI VGLL S Y F E PLLT WLK
A S A I L E Y F A P L Q E Y L D E
T S S L L K Y F K P L S D WL D E
S K P W P D A L E A V A G
S K P W P E A L E V V
UniRef90_F1SQT1
UniRef90_UPI00037F3EE5
UniRef90_T1G2K4
UniRef90_A6GE77
UniRef90_A3QEM1
UniRef90_UPI00015B4384
UniRef90_J3SE00
UniRef90_Q50JE5
UniRef90_H3D5P0
UniRef90_H3D5P0
UniRef90_W1YWF4
UniRef90_W74Z01
UniRef90_W74Z01
UniRef90_UPI0002654A22
UniRef90_UPI00032AF6EF
                                                             A S A L L E Y F K P V I E W L Q K
A Q A L L E Y F Q P V I R W L Q E
A N S L M K Y F D P L I K W L E K
S A K P L M E Y F S P L I D W L E K Q N K E N N D
S R P W Q E A L E T I
K A F L R
D A F Y E E
S K P W P E A M E A L D A L L K Y F Q P L M E W L E K T
UniRef90_UPI00032AF6EF
UniRef90_T0K6P6
UniRef90_I9C942
                                                             SKPWPDALQAF
AKPMLDYFAPLQKWLD
lupas_21
                                                                                                  lupas_14
lupas_28
jnet
                                                                                            9 9 9 9 9 9 9
B B B B
                                                                                                                                                    9 9 9 9 9 9 8 5 1 9 9
B BB B
                                                              189999
                                                                                                                                9 9 9 9
conf
sol25
                                                                       ВВ
                                                                                                                                 ВВ
sol5
                                                                             В
                                                                                            ВВ
                                                                                                                  В
                                                                                                                                                     В
                                                                                                                                                                     В
                                                                                            ВВ
sol0
jhmm
jpssm
```