QUERY	1
UniRef90_V5HXX3 UniRef90_Q9HEZ3 UniRef90_S8B8W8	T G S V T T N P T S N D E E Y I T Q V T V G S D T L G L D F D T G S A D L W A A T G S V T T S P T E F D S E Y L T P I D V G G T T M N L D I D T G S S D L W A D G T V E A K P G Q Y D L Q Y V C P V T V G S Q K L N L N F D T G S A D L W
UniRef90_F1RUW7 UniRef90_A0A034VZG4 UniRef90_M2V417	SVALEPMAYEGEISIGTPPQNVLFDTGSSNLW SNFVATSEQLSNDDQYYGPITIGTPPFNVLFDTGSSNLW ASSGSVTATPDQYDTSYLCPVTIGTPFFQVLFDTGSSNLW SGSVTAAPEQYDQAYLSPVSVGGKTLQLDFDTGSSNLW SGSVTAAPEQYDQAYLSPVSVGGKTLQLDFDTGSSNLW
UniRef90_W8BC89 UniRef90_M3C4U7	A A S G R A T D E Q L H N D D S Y Y G P I T I G T P P F Q V L F D T G S S N L W S G S V T A A P E Q Y D Q A Y L S P V S V G G K T L Q L D F D T G S A D L W A A E V A G E P L M N D T E Y Y G T I N I G T P P F T V V F D T G S S N L W
UniRef90_G1KN80 UniRef90_UPI0002C435B9 UniRef90_H2U4L2	A A E V A G E P L M N D T E Y Y G T I N I G T P P F T V V F D T G S S N L W V S Y E P L R N D L A Y M G T I S I G T P P F K V I F D T G S T D L W A G A P T P E T L K N D A Q Y Y G E I G L G T P P F T V V F D T G S S N L W S S S G V P T P E T L K N D A Q Y Y G E I G I G T P P F T V V F D T G S S N L W
UniRef90_H2ZZV4 UniRef90_UPI0003F096BC	S S S G V P T P E T L K N D A Q Y Y G E I G I G T P P F T V V F D T G S S N L W V V Y E T M D Y M D A S Y F G E I S I G T P P Q N V L F D T G S S N L W A V V S E P L A N D M S Y Y G E I S I G T P P Q N V L F D T G S S N L W
UniRef90_UPI0003D0BF04 UniRef90_F5HIR1 UniRef90_E5R1B9	APTGPIVIP EPILISNDAQYFGAII ISII IGTPPFKIV VIFDTGSSNILIW
UniRef90_UPI000359D5F9 UniRef90_A0A016PA38	VATEPLLNDVEYYGTI SI GTPPFTVVFDTGSSDLW SGSVLTTPODEDLEWLTPVOLGTPAOTLNEDTGSSDLW
UniRef90_F9X2B9 UniRef90_B4MPC4 UniRef90_UPI0002740744	S G S V K A S P E Q F D Q S Y L C P V T V G G Q T L N L D F D T G S A D L W G G D A P E P L S N D A Q Y Y G P I S I G T P S F K V V F D T G S S N L W S T A T G T N I P M D A S Y F G E I S I G T P P Q K V L F D T G S S N L W
UniRef90_Q01294 UniRef90_P28712 UniRef90_H0ZGM2	PVPITNNAQYFSEI TI GTPPFKVVLDTGSSNLW ASVSTESLENDAEYFGTI SI GTPPFTVI FDTGSSNLW AEAGKPTPELLKNDAQYFGVI GI GTPPFTVI FDTGSSNLW
UniRef90_B7ZWD6 UniRef90_F4NZG7	GAEHSVPLTDNAQYFGEI QI GTPPFTV I FDTGSSELW
UniRef90_Q28057 UniRef90_A6QRN1 UniRef90_G1KIV8	A S G G H S L P V D N F L N A Q Y F S E I G I G T P P F R V V F D T G S A N L W A G T P T P E T L K N D A Q Y Y G E I G I G T P P F T V V F D T G S S N L W
UniRef90_Q9GMY7 UniRef90_H2RSA6	A A S M M A T O P II I F N D M F Y F G T II I G II I G T P P F T IV I I F D T G S S N II I W
UniRef90_X1XAF6 UniRef90_T1PE98 UniRef90_A0A034WCQ1	S G F T T K F NIL T IN D D S Y Y G K II II II I I G T P P Q F IV T IF D T G S S NII I W
UniRef90_U4LQD1 UniRef90_Q800A0 UniRef90_M2RQK1	CSSPETASEPIL IMN DIVIEY FGQII ISII IGT PPFTIVI IFDTGSSNIL IW
UniRef90_M2RQK1 UniRef90_G0R9K1 UniRef90_R8BRR2	S A T V T A T P D H D D L E Y L V P V K I G T P P Q T L N F D T G S S D L W P V P V S N N A Q Y F S E I T I G T P P F K V V L D T G S S N L W
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UniRef90_E5LFQ0 UniRef90_G5C2G1	A P E P L T N D A Q Y Y G P I S I G T P N F Q V V F D T G S S N L W T G P V P E T L N Y M D A Q Y Y G E II G II G T P P F T V V F D T G S S N L W
UniRef90_UPI0003343DF2 UniRef90_M3ZG39 UniRef90_Q6DJB0	D A Q Y Y G V I S I G T P P Q N V I F D T G S S N I W
UniRef90_A0A016Q827 UniRef90_E9FCW9 UniRef90_H0XM90	GHPVPVSNFMNAQYFSEITI GTPPFKVVLDTGSSNLW
UniRef90_G3C8T9 UniRef90_A7RH56	E PIL IN N D A Q Y Y G PIL IT I G T P P F Q V I F D T G S S D L W
UniRef90_B3RFH0 UniRef90_A1YZ22 UniRef90_I1SSK5	VSDEPLENNMKYYGDIITIIGTPPQKVLFDTGSSNLWGMPHPEPLSNDAQYYGAIISUGTPPFKVLFDTGSSNLW
UniRef90_G1LM29 UniRef90_S2JLE6	E P M R N D L A Y V G T I S I G T P P F K V I F D T G S T D L W A D G S A H G V P L S N N A Q Y Y G E I O L G S P P F T V V F D T G S S N L W
UniRef90_Q9DEC4 UniRef90_E3TE66 UniRef90_E2AZ59	A S G E P L Q N D I E Y F G T I S I G T P P F T V I F D T G S S N L W D A Q Y Y G V I S I G T P P F T V L F D T G S S N L W T G G L T P E P L S N D A Q Y Y G V I S I G T P P F K V I F D T G S S N L W
UniRef90_UPI0003C2963D UniRef90_F7W590 UniRef90_L5LXE3	A N E PL I N D M E Y F G Q I S I G S P P F T V V F D T G S S N L W G V V T A T P E Q D D V E Y L A P V K I G G Q T I N L D F D S G S S D L W A G K V A S E P L F N D C Q Y F G K I S I G T P P F T V V F D T G S S D L W
UniRef90_UPI0003C26EB0 UniRef90_UPI0003F0A547	A T E P M K N D L Q Y F G T I S I G T P E F T V L F D T G S S N L W V A V Q P L M N D M A Y V G T I S I G T P P F K L I F D T G S T D T W
UniRef90_H1VSK1 UniRef90_G3WA97 UniRef90_B8MF81	A T G S V A A N P Q E Y D [E Y L S P V Q I G T P A Q T L N F D T G S S D L W A V G Y E P L A N D M S Y Y G E I S L G T P P Q N V L F D T G S S N L W T N K P T A D D E E Y V T P I T A G S S T L H L D F D T G S A D L W
UniRef90_W3XD31 UniRef90_M2QA08 UniRef90_A0A044RC12	ATTGSAV <u>ITT</u> PEEYD <u>IV</u> EY <u>L</u> ITPIVSII GTPAQTL <u>NF</u> DTGSSDLW
UniRef90_UPI0004417F07 UniRef90_I3NG57	DAQYYGEISIGTPPQNVIFDTGSSNLW VASDKLTDDSEWYGKISVGTPTYTVDFDTGSSDLF VAYEPMRNDVSYVGLVSIGTPPFKVVLDTGSADLW
UniRef90_C3YUT2 UniRef90_B4MQ73 UniRef90_UPI00029DA90D	P E P L S N D A Q Y F G P I S I G T P P F Q V V F D T G S S N L W T E P L T N D A Q Y F G P I T I G T P P F K V I F D T G S A N L W S S S G V V A S E S L T N D C Q Y F G K I Y I G S P P F T L V F D T G S L D L W
UniRef90_B3MLX2 UniRef90_UPI0002657509	N MAYYGAI SI GTPSFKVLFDSGSSNLW GNVEPIANYMDAQYYGPI SI GNPPFQVVFDTGSSNLW
UniRef90_UPI0004409BB9 UniRef90_U4USP0 UniRef90_Q28389	ANGGHKVPLSDFMNVQYFTNVTLGSPPFRVILDTGSSNLW ASGAEPVPEPLSNDAQYFGAISIGTPPQKVVFDTGSSNLW ADSGVAFEPMRNDLAYMGLISVGTPPFQVIFDTGSADLW
UniRef90_F6YJP9 UniRef90_W1QH16 UniRef90_C5P9L1	VASDKLTDDSEWYGKISVGTPTYTVDFDTGSSDLF VAYEPMRNDVSYVGLVSIGTPFFKVVLDTGSSDLW PEPLSNDAQYFGPISIGTPPFKVVLDTGSSNLW TEPLTNDAQYFGPITIGTPPFKVVFDTGSSNLW SSSGVVASESLTNDCQYFGKIYIGSPPFFTLVFDTGSLDLW NMAYYGAISIGTPSFKVLFDSGSSNLW ANGGHKVPLSDFMNVQYFTNVTLGSPPFRVILDTGSSNLW ANGGHKVPLSDFMNVQYFTNVTLGSPPFRVILDTGSSNLW ASGAEPVPEPLSNDAQYFGAISIGTPPFRVIEDTGSSNLW ASGAEPVPEPLSNDAQYFGAISIGTPPFRVIEDTGSSNLW ASGAEPVPEPLSNDAQYFGAISIGTPPFTVIFDTGSSNLW ASSGHNTPLTNYLNAQYFTEIQLGTPSFKVILDTGSSNLW ONYKDEEYFGTISIGTPPFKVVLDTGSSNLW SSGHNTPLTNYLNAQYFTEIQLGTPSFKVILDTGSSNLW PEPLSNDAQYFGEISIGTPPFFVVIFDTGSSNLW SNSGMVAREPLINDSQYFGKIYIGTPPFRVVFDTGSSNLW SNSGMVAREPLINDSQYFGKIYIGTPPFRVVFDTGSSNLW
UniRef90_P07267 UniRef90_V9N1V7	VPLTNNAQYYGPI SI GTPPFKVVLDTGSSNLW PEPLSNDAQYYGPI SI GTPPFRVVFDTGSSNLW SNSGMVAREPLINDSQYFGKI YI GTPSFTVVFDTGSSDFW
UniRef90_G3U980 UniRef90_A9V1S8 UniRef90_F1MSC1	S N S G M V A R E P L I N D S Q Y F G K I Y I G T P S F T V V F D T G S S D F W T N V P L S N D A Q Y F G E I S I G T P K F K V I F D T G S S N L W S T H P L R N D M F Y F G N I S I G T P P F S V L F D T G S S D L W A N E P L I S D L E Y F G Q I S I G T P P F T V V F D T G S S N L W
UniRef90_UPI000386FDD2 UniRef90_A0A023GN61	STHPLRNDMFYFGNISI GTPPFSVLFDTGSSDLW ANEPLISDLEYFGQI SI GTPPFTVVFDTGSSNLW SALGGPVPEPLKNDAQYYGDI TLGTPPFRVVFDTGSSNLW

	50 60 70 80
QUERY	VFSTELPASQQSGHSVYNPSATGKELSGYTWSI SYGDGSS
UniRef90_V5HXX3	V F S S Q T P S S E R S G H D Y Y T P S S S A Q K V S G A T W S I S Y G D G S S V F S K E L P S S E T S G H A V Y S P S S Q S Q L L N G Y S W S I S Y G D G S S
UniRef90_Q9HEZ3 UniRef90_S8B8W8	VESSIMPKSOOGGHKIIYTPGSGAKOVKGATWKIIOYGDGSG
UniRef90_F1RUW7	V P S V Y C K S L A C T T H A R F N P S K S S T Y S T D R Q T F S L Q Y G S G S
UniRef90_A0A034VZG4	V P S V Y C K S L A C T T H A R F N P S K S S T Y S T D R Q T F S L Q Y G S G S V P G A P C A S T D E A C H N T Y D S S A S S T Y Q A N G Q S F A I A Y G S G S V F S S L Q P K S Q L S G R S Y Y T V N P S N V L S G Y T WK L S Y G D G S G
UniRef90_M2V417 UniRef90_W8BC89	V
UniRef90_M3C4U7	VFSTLMPSSEQSGHALYNPSTSGRKLSGQTWDISYGDGSG
UniRef90_G1KN80	V F S T L M P S S E Q S G H A L Y N P S T S G R K L S G Q T W D L S Y G D G S G V P S T Y C S D A P C Q N H P R F D P S Q S S T F E N T Q Q T M S I Q Y G T G S V P S L Y C Y S P A C A H H N V F N P L R S S T F Q F L G Q P L S L S Y G T G S
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UniRef90_H2ZZV4	V PS K CTD A C H H K Y N A A K S S T Y V K N G T F F A
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UniRef90_UPI0003D0BF04 UniRef90_F5HIR1	V P S V Y C Q S E A C T N H P L F N P A N S S T Y S T Q D Q S F S L Q Y G T G S V P Q C S F T N L A C L M H N K Y D A K K S S S F E K N G T A F H L Q Y G T G S
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UniRef90_B4MPC4	V P K C H F T N L A C L M H N K Y D A T K S N T Y A K N G T E F A I H Y G S G S
UniRef90_UPI0002740744 UniRef90_Q01294	V
UniRef90 P28712	VPSTYCSSLACFLHKRFNPDDSSTFQATSETLSIITYGTGS
UniRef90_H0ZGM2	VPSVHCSDLACMVHHKYDSAKSSTYVKNGTKFALRYGTGS
UniRef90_B7ZWD6 UniRef90_F4NZG7	
UniRef90_Q28057	
UniRef90_A6QRN1	IVIPSSECGSII IA CYLLIH N K Y D S S A S S T H K K N G S E F SII IT Y G S G S
UniRef90_G1KIV8 UniRef90_Q9GMY7	V P S V H C R D L A C ML H H K Y D S S K S N T Y V Q N G T K F A I H Y G T G S V P S V Y C S S P A C S N H N R F N P Q Q S S T Y Q G T N Q K L S V A Y G T G S
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UniRef90_T1PE98 UniRef90_A0A034WCQ1	V P S K Q C N I A C M L H N K Y N M A K S T T Y Q K N G T E F S I H Y G S G S V P V A P C N N I A C Q N H H T Y N P S A S S S Y V A N G E P F Y I A Y G S G S V P K G P C S G D P A C N N H N S Y S K S S T Y K P N G T E F S I Q Y G T G S V P S Q Q C G S I A C Y L H S K Y D S S A S K T Y K S N G T S F E I R Y G S G S V P S L Y C T S Q A C T K H N R Y R P S E S T T Y V S N G E A F F I Q Y G T G N
UniRef90_U4LQD1	VPSQQCGSTACYTHSKYDSSASKTY <u>K</u> SNGTSFETTRYGSGS
UniRef90_Q800A0	V P S T Y C T S Q A C T K H N R Y R P S E S T T Y V S N G E A F F I Q Y G T G N V P S T K C T S T A C F L H A K Y D S S A S S S Y K A N G T E F E I H Y G S G S
UniRef90_M2RQK1 UniRef90_G0R9K1	V P S T K C T S L A C F L H A K Y D S S A S S S Y K A N G T E F E L H Y G S G S V F S S D V D P T S S Q G H D L Y T P S K S T S S K K L E S W N L T Y G D R S S
UniRef90_R8BRR2	VPSQS <mark>C</mark> GSLA <mark>C</mark> YLHQKYDSSSSSTYKKNGTS <u>F</u> EIHYGSGS
UniRef90_UPI0003D088DA	L
UniRef90_M2LNJ6 UniRef90 V2XA17	
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UniRef90_G5C2G1 UniRef90_UPI0003343DF2	V P R C N M C D I A C W F H H K Y H S D K S S T Y V K N G S S F D I H Y G S G S V P S V Y C T S P A C R T H V N F I P S E S N T Y S A V G R H F F I Q Y G T G S
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UniRef90_Q6DJB0	V P K
UniRef90_A0A016Q827 UniRef90_E9FCW9	V P S Q E C G S T A C Y L H S K Y D S S A S S T Y K K N G S E F E L H Y G S G S V F S N E T A S N E V K G Q T P Y D P K K S S T S K R M S S W S T K Y A D N T S
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UniRef90_B8MF81	T Y S A S T R G V G S H S T Y D T S T G K K V S G A S WQ I S Y G D G S S
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UniRef90_B4MQ73	VPSCSPASVACMIHSRFHAKRSTSYYPIIGAPFAII HYGSGS
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UniRef90_B3MLX2 UniRef90_UPI0002657509	V
UniRef90_UPI0004409BB9	VPSTKCRSFGCSMHAKYNSSASSTYQENGTDLHITYGSGS
UniRef90_U4USP0	V P S K K C S F T N T A C H N K Y D S S K S S T Y K E N G T E F A I R Y G S G S V P S T Y C S S P A C S N H N T F N P L R S S T F V A S G Q P T K L T Y G T G K
UniRef90_Q28389 UniRef90_F6YJP9	VPSTYCSSUACSDHNRENPEDSSTYEATSESUSUTYGTGS
UniRef90_W1QH16	VPSSDCTSLACYLHTKYDHDESSTYQKNGSSFAI QYGSGS
UniRef90_C5P9L1 UniRef90_P07267	VIPSSECGSI A CYLHNKYDSSASSI YKKNGI EFAI RYGSGS
UniRef90_V9N1V7	V P S N E C G S L A C F L H S K Y D H E A S S S Y K A N G T E F A I Q Y G T G S V P Q C H F T N L A C L I H N K Y D S R K S S T Y K K N G T E F A I Q Y G S G S
UniRef90_G3U980	
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JniRef90_A0A023GN61	V P S S K C P F T C M L H H K Y Y A K K S S T Y V K N G T K F E L R Y G S G S

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| No. 
 QUERY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             QUERY
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UniRef90_A0A016PA38 UniRef90_F9X2B9 UniRef90_B4MPC4	KPGTYNFGFI DSSSYTGKI APVDSSQGFWEFTASGYAVGS RAGTYDFGYI DANKHTGTI TYVSVDSSQGFWTFNAGGYSA EGGEI I FGG <u>S</u> DPN <u>H</u> YTGD <u>FTYL</u> PVTRK <u>A</u> YWQI K <u>M</u> DSSV <u>G</u> D
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UniRef90_G0R9K1 UniRef90_R8BRR2 UniRef90_UPI0003D088DA UniRef90_M2LNJ6	T P G S Y H F G S I P S E A S K A F Y A P I D N S K G F W Q D E S E A V F G G V D K D H Y T G K I T T I P L R R K A Y W E V D L D S I F G D T G S V V I L G G I D E S Y C T G P I H W I P V P Y Q S Y W Q I S M D S I I V N D E S E A T F G G I D E S H Y E G K M T K I P L R R K A Y W E V D L D A I T F G
UniRef90_V2XA17 UniRef90_E5LFQ0 UniRef90_G5C2G1	- 1) (2 (2 E) N E (2 (2)) 11) E Q / V I (2 1) M I V II D (/ D D X V V M E / / E I E K / / I (2 I)
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UniRef90_E3TE66 UniRef90_E2AZ59 UniRef90_UPI0003C2963D	D G G Q M I L G G V D S S L Y T G D L T Y V P V S S Q G Y W Q F E V T S G A I K E G G E L L L G G S D P N H Y K G D F T Y V P V D R K A Y W Q F K M D S V Q L D E G S V V M F G G V D H S Y Y S G E L N W Y P V S R P F Y W Q L S M D S I S M N A G G E L V F G A T D P S H Y S G E L V W S D V R R K G Y W E I T M E D I F G G S G S F V L F G G V D T S Y Y T G N L N W V P L T A E T Y W Q I T V D S I S I Q V G G E L M L G G C D T S Y Y T G N L N V V P L T A E T Y W Q L T V D S I V G V G G E L L L G G S D P D H Y E A D L T Y V P V T R K G Y W Q F S M D G I V G N A G G E L L F G G F D P S H F S G T L S W V P V T K Q G Y W Q L Q N L Q V S G S A V G A Y E F G R I D N S K F T G Q L A W I P V N T A M G F W Q F T T S S F N S P G S M V M F G G L D S S Y Y S G S L H W V P L T V Q E Y W Q L S M N G O
UniRef90_F7W590 UniRef90_L5LXE3 UniRef90_UPI0003C26EB0 UniRef90_UPI0003F0A547	AVGAYEFGRI DNSKFTGQLAWI PVNTAMGFWQFTTSSFNS PGSMLTLGAI DPSYYTGSLHWVPLTVQEYWQFTVDRVTVD NGSFVMFGGI DSSYYSGSLKWI PAETYWQITVDRISMNGQ
UniRef90_H1VSK1 UniRef90_G3WA97 UniRef90_B8MF81	N G S F V M F G G I D S S Y Y S G S L K W I P A E T Y W Q I T V D R I S M N G Q N G S V A M F G G V D K S Y Y K G E L N W V P T P L F W Q V T I D H I S M E G M K A G K Y N F G Y I D S S A Y T G A I T Y T S V N S A N G W W Q F T S S Q V G S N G G E V T F G G V D T S M F T G D I Y W A P V T Q E A Y W Q I A I N G F S I G A P G T Y D F G F I D K S K Y K G S L A Y T N V D N S Q G F W Q F T A D G Y S I A P G T Y D F G K T D S S K Y T G S I A Y T S V S T S Q G F W Q F S A S S Y K V
UniRef90_W3XD31 UniRef90_M2QA08 UniRef90_A0A044RC12 UniRef90_UPI0004417F07	VGGENTLGGNDDNVSGKNTYVDVKRKAYWEVELDKVNGB VGGENTLGGNDDNVSGKNTYVDVKRKAYWEVELDKVNGGK
UniRef90_I3NG57 UniRef90_C3YUT2 UniRef90_B4MQ73	K G S V L M L G G V D P S Y Y S G Q L I WV P V S K P S Y W Q L A M D S I S I N A G G E L L L G G A D P N Y Y T G D F T F L D V T R K G Y W Q F K M D G N V G G F G G A L F F G G S N P O Y Y T G N F T Y V P V S R R S Y W O T T M D S H L K D
UniRef90_UPI00029DA90D UniRef90_B3MLX2 UniRef90_UPI0002657509 UniRef90_UPI0004409BB9	QGSMLTERALDESYLTGSLAWIPMIXQEYWQFTWDSVIID QGGELTFGGSDSSLYSGDLTYVPISEQGYWQFTMDGSSFD TGSFLVIGGIDPKHHKGFLTYVLPVSRKGYWQFKMDSDVSK
UniRef90_U4USP0 UniRef90_Q28389 UniRef90_F6YJP9	DGGEATFGGIDESAYTGEINYAPVRSREHWEVELPKYFGDVGGELIFGGSDPNYYSGNFTYLPVDRQAYWQFKMDEVIVGKGSVVMFGGVDPSYYTGELHWVPVSKPLYWQISMDSISINESGSMIFSGIDSSYYSGSLCWVPVSEEAYWQITVDSITMN
UniRef90_W1QH16 UniRef90_C5P9L1 UniRef90_P07267	D G G E A T F G G Y D V S K Y T G D I T W L P V R R K A Y W E V K F S G I L G D D S Y A T F G G V D S S I F S G F M I K I P I R R K A Y W F V D F D A I A F G N
UniRef90_V9N1V7 UniRef90_G3U980 UniRef90_A9V1S8 UniRef90_F1MSC1	KDTENTFGGIDESKFKGDITWLPVRRKAYWEVKFEGILGDEGGELILGGSDPKYYKGDFTYVSVDREGYWQFKMDGMKMNQGSVLTLLGGSDPKYYKGDFTYVVSVDREGYWQFKMDGMKMNQGSVLTLLGGYDESHFAGPIHWYPVTLQEYWQFTMTGLSILFNGSVVMLGGVDHSYYKGELNWVPVSKYWQITVDRISVNGKLGGEVIFGGFDPSRFMGTLNWVPVTQQGYWQIQNLQLNGT
UniRef90_UPI000386FDD2 UniRef90_A0A023GN61	LGGEVIFGGIDEAHYTGNISYVPVTRKGYWQFHMDKVGDN

	210 220 230 240
QUERY	GSQSGDGFSGNADTGTTLLLLDDSVVSQYYSQVSGAQQDS
UniRef90_V5HXX3 UniRef90_Q9HEZ3	S Q S G G D S T G A D T G T T L L L L D D S V V E A Y Y E Q V D G A S Y D N G S T V S T S S G A D T G T T L L L L P S S V K K Y Y A Q V K G S S N S A
UniRef90_S8B8W8	GSNSTHERHSIADTGTTLLLVSNQIAKEYYAQVHGAKEDN DEW <mark>CS</mark> EGCQAIVDTGTSLLTVPQDYLSDLVQATGAEENEY
UniRef90_F1RUW7 UniRef90_A0A034VZG4	D E W C S E G C Q A I V D T G T S L L T V P Q D Y L S D L V Q A T G A E E N E Y D E Y I C D E C S A I A D T G T S L L A V P T D I Y E S V Q N A I G A Q L S S D
UniRef90_M2V417	DEWCSEGCQAIVDTGTSLLTVPQDYLSDLVQATGAEENEY DEYLCDECSAIADTGTSLLAVPTDIYESVQNAIGAQLSSD SRTTSASLDGIADTGTTLVLLDDSILSAYYAQVSGAQNSD
UniRef90_W8BC89 UniRef90_M3C4U7	G
UniRef90_G1KN80	GIACSDGCQAI VDTGTSLVAGPPSDISNLQNAI GATPGQY
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UniRef90_H2ZZV4	LTVCKGGCQAI VDTGTSLIAGPREEI EALQKAI GAWPLIQ
UniRef90_UPI0003F096BC UniRef90_UPI0003D0BF04	G Q A C S E G C Q A V D T G T S L T P Q S Y S T L Q A V G A E E T E Y T G W C S S G C Q G V D T G T S L T A P G D V S N L E S G A E E D S N
UniRef90_F5HIR1	AQYCNNGCEAL ADTGTSLIAGPVAEVTALNKALGGTPVLN
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UniRef90_H0ZGM2	PTVCEGGCEAL VDTGTSLITGPTKEVKKI QEAL GAKPLIK
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UniRef90_Q28057	VTACSCGCEALLDTGTSMIYGPTKLVTNI HKLMNARLEN
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UniRef90_X1XAF6	NTSI VS GA QAI ADTGTSLIAGPVDNIKQINELLGGTALPG
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UniRef90_U4LQD1	DQVAKENTGAI VDTGTSLIALPTTLAELLNAEI GAKKSWN
UniRef90_Q800A0 UniRef90_M2RQK1	VIFCSDGCQALVDTGTSLITGPSGDLEQLQNYIGVTNTNG DELELENTGAALDTGTSLIALPSDMAEMLNTQIGAKRSWN
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UniRef90_R8BRR2 UniRef90_UPI0003D088DA	A T A D L E K T G V I L D T G T S L I A L P S N M A E M M N K E I G A K K G Y N G K V I A C E C Q A I V D T G T S L L A G P A A D V I N L Q K I I G A T P G Q H
UniRef90_M2LNJ6	DQTAEDDSTGLLDTGTSLIALPTTLAELLNREI GAKKSYN
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UniRef90_Q6DJB0	NQLCKGGCQAIVDTGTSLITGPREEIRALHKAIGAFPLFS
UniRef90_A0A016Q827 UniRef90_E9FCW9	E
UniRef90_H0XM90	DVVVACGCQAILDTGTSLLLGPTRDIYYIQKAIGATPGRFGPVCQKGCEGIADTGTSLFVGPTADVAALASQLDAQETAP
UniRef90_G3C8T9 UniRef90_A7RH56	GSFCSDGCQAIADTGTSLIAGPTDEIEKLNNLIGAKIIIG
UniRef90_B3RFH0 UniRef90_A1YZ22	TTCKGGCEAI VDTGTSLLVGPVDEVKELQKAI GAVPLIQ GQSICDNCQAI ADTGTSLI VAPSDAYNTLNAEI GATYNED
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UniRef90_G1LM29 UniRef90_S2JLE6	G
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UniRef90_H1VSK1	N S F V T S S V T G
UniRef90_G3WA97 UniRef90_B8MF81	GQW <mark>C</mark> SEG <mark>C</mark> QAVVDTGTSLLTAPQQIFSELMQYIGAQQNEN GGSGGGSSFSIADTGTTIVIDDSIVDFYYSOVQGAQNDS
UniRef90_W3XD31	GGSGGSSFSIADTGTTLVLLDDSIVDEYYSQVQGAQNDS GTTSYSTSNGLADTGTTLLLLPATVVKNYYAKVTGSSNSN
UniRef90_M2QA08 UniRef90_A0A044RC12	Q
UniRef90_UPI0004417F07	SDKVLGSTŠAI IDSGTTL VVATTSDAKKFYDAI DGAEEAT
UniRef90_I3NG57 UniRef90_C3YUT2	GKVIA <mark>C</mark> DCQGIIDTGTSLLSGPPDHVLNIQKLIHAQPDHG STFCQEGCQAIADTGTSLIAGPLEEVNKLHKQIGATPLAG
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UniRef90_V9N1V7	VPFCNGGCEAIADTGTSLIAAPSEEARLINKKIGAKPUVG
UniRef90_G3U980 UniRef90_A9V1S8	GVA CDGGCQAI LDTGTSLLAGPNNDI LNI QKVI GATRGQY NTPYCTNCKAI ADTGTSLLAGPTDVVKQI NKAI GATTLAA
UniRef90_F1MSC1	
UniRef90_UPI000386FDD2	V V F C M N G C Q A I V D T G T S L I T G P T K D I K K L Q N Y I G A T P V D G A T F C N G G C E A L A D T G T S L I A G P T E E L Q K L N L A I G A A P F T A
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QUERY UniRef90_V5HXX3 UniRef90 Q9HEZ3	N A G G Y V S Q G G Y V	250 F D <mark>C</mark> S T N L F P S S T T P	PDFSVSI PDFSITI	260 S G Y T A T G D Y T A T	28G G G G G G G G G G G G G G G G G G G
UniRef90_S8B8W8 UniRef90_F1RUW7 UniRef90_A0A034VZG4 UniRef90_M2V417	E Q G G Y T G E F L V D E A Y Y V D S A G G Y I	FSCSASL CKDIQSL CSVVSSL FPCSSTL	PDITISI PTFTFII PTISFGI PDFSIV	GDKKAT NGVEFPI GGTTFSI VSGVKQT	VPGSWMNYAPITDG LPPSAYI LEEDGF <mark>C</mark> LSGSDYI VEDDENG LPGEYI NFAPNGDG
UniRef90_W8BC89 UniRef90_M3C4U7 UniRef90_G1KN80 UniRef90_UPI0002C435B9	GQYFID SQGGYT GQYDIN GEYIMD	CSQVSSL FPCRNTL CGNLGNM CEAINTL	P T V S F V I P D F N V S I P D V V F V I P D I I I T I	L	L E G K D Y I V E V T G D G V P G S Y I N Y A P I D S G L T P T A Y T L E E S Q E L P A S A Y I R Q E H T G C
UniRef90_H2U4L2 UniRef90_H2ZZV4 UniRef90_UPI0003F096BC UniRef90_UPI0003D0BF04	GEYMVD GEYWVS GQYVVS	C D K I P S L C N K V S S L C D S I D S L C D S L	P V I T F N I P V I S F Q I P T L T F I I P T I S F V I	G G K P F S G G R T Y S N G V Q F P G G T S L P	L
UniRef90_F5HIR1 UniRef90_E5R1B9 UniRef90_UPI000359D5F9 UniRef90_A0A016PA38	GEYMVD MQGGWV GEHSVN SYGGYV	CSLIPSL FPCDANL CSSIPAM FSCSATL	P K I T F T I P D F I L N I P D V I F V I P N F S F A	L	LEGADYILIRVAQMG VPGKFMNFQEIDNS VSASAYTEQHSQES IPGSYINYAPVQDG
UniRef90_F9X2B9 UniRef90_B4MPC4 UniRef90_UPI0002740744 UniRef90_Q01294 UniRef90_P28712	GQYVVN GQYVVN GQFTID	CDLIPNL CDKIPSL CGKKSSL	PVIKFVI PIFTFII EDVTFTI	L G G R T F E II I N D E L F P II L A G Y N F T II	LEGKDYLLRVSQMG LPPALYTLNNQGHC LPPASAYILKEDDDC
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UniRef90_A6QRN1 UniRef90_G1KIV8 UniRef90_Q9GMY7 UniRef90_H2RSA6	GQYTVE GQYILP GEMVVS DENIID	CAKRDSL CEKLATL CSAINTL CEQIPSM	P N L T F G I P L V S F V I P N I V F T I P V I S F N I	L S G H N F T L G G R S Y S I N G V Q Y P I G G K L F P	I
UniRef90_X1XAF6 UniRef90_T1PE98 UniRef90_A0A034WCQ1 UniRef90_U4LQD1	GEYIIA FGAYVL GQYFVD GQYTVE	C D Q D N L D C T D S L C S Q V S S L C S A R D S L	P V L S F V I P S L N F N I P T I S F T I P D L T F T I	G S T T F K G G R K F T A G T N F T T G H N F T	LEGKDYILKVSQFG IESKDYVLQNYG <mark>IC</mark> LEGSDYVIEVDSEG IGPYDYLLEVQGSC
UniRef90_Q800A0 UniRef90_M2RQK1 UniRef90_G0R9K1 UniRef90_R8BRR2 UniRef90_UP10003D088DA	GQYTVE FLGGYV GQYSVE	CEKVPDL FNCTTQL CDKRDSL	P D L T F T I P D F T F T I P D V T F T I P D V I F V I	F D G K D Y P I V G E G N I T N L S G Y N F S I	L K G T D Y I L E V Q G T C V P G T L I N Y S E A G N G I T P Y D Y I L E V S G S C
UniRef90_M2LNJ6 UniRef90_V2XA17 UniRef90_E5LFQ0 UniRef90_G5C2G1	GQYTIE GQYTVD GEYMVD GEYMVP	CNKRDSL CSKVPDL CSQVSSL CEKVSSL	PDLTFTI PDLTFYI PPISFMI PSVTLKI	L T G Y N F T I F G G K P F P I L G G K A F E I L G G S A Y P I	G
UniRef90_UPI0003343DF2 UniRef90_M3ZG39 UniRef90_Q6DJB0 UniRef90_A0A016Q827	GEYMID GEYFVN GQYTIE	V N L N V M C K K I P T L C K R I Q S L C D K V S S L	P D V T F T II P V V S F N I P T V S F I I	N G V P Y T G G K V F N G G V A Y N A G S N Y S	L Q P T A Y T L L D F V D G L T G E D Y V M K E S Q M G L T G E Q Y V L K I S K F G L P S T D Y I L E V Q G S C
UniRef90_E9FCW9 UniRef90_H0XM90 UniRef90_G3C8T9 UniRef90_A7RH56 UniRef90_B3RFH0	GEYTVN	CKSLSRM CEKAGDL CSAIDSL	P T I V F E II P N I E F T II P D I T F T II		L P P S A Y T N Q N S F S C L T P L D Y V V R L K Q S G L T G K Q Y L L K V T T L G
UniRef90_A1YZ22 UniRef90_I1SSK5 UniRef90_G1LM29 UniRef90_S2JLE6	D G N Y Y V G E Y M V D G E Y I I D G Q Y I V D	C N S I P N L C D A V N T L C A K I P D L	P D V T F V I P T I N F V I P D I V F T I P E F C F V I	I G G T T F T I L G G K S F T I I N G I N Y P F S G K D F C	L P A S A Y I V T V D G N C L E G E D Y V L K V A Q F G V P A S A Y I R E G H Q G I L T A K D Y I L N V Q N Q C
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UniRef90_F7W590 UniRef90_L5LXE3 UniRef90_UPI0003C26EB0 UniRef90_UPI0003F0A547 UniRef90_H1VSK1	G E Y A M N G E Y V V D S O G G Y T	CGSLSSM CNASNIL CEAVHTL	P N V V F E II P D I V F T II P D I V F A II P S F T F G	VIGGRYMAI INGKKYPI INSIDFPI INGLNYT	C C C C C C C C C C C C C C C C C C C
UniRef90_G3WA97 UniRef90_B8MF81 UniRef90_W3XD31 UniRef90_M2QA08	GAYLVS SQGGYV TYGGYV TYVVE	CSNVQNM FDCSADL FPCTATL CSTIPNL	S T	N GVN F PI I G D Y T A V I V G S V S I V I I N G Q D Y PI	L P P S A Y V L P S Y C E V I P G K Y I N Y A S T G I P A T Y L N Y A P V E D G L N A T D Y V L S I D G T C
UniRef90_A0A044RC12 UniRef90_UPI0004417F07 UniRef90_I3NG57 UniRef90_C3YUT2	GEYLIP DIGDYY QY VVD GEYKVD	C Y K V S S L T V P C D S I C D T V D T L C S K V T S L	PEITFVI PDVSLTI PDILFTI	L	L K G S D Y V L N V T T K G I S S D T F N L G Q E S S G V P A S A Y V R K S H H T C L T G K E Y I L Q V K Q F G
UniRef90_B4MQ73 UniRef90_UPI00029DA90D UniRef90_B3MLX2 UniRef90_UPI0002657509 UniRef90_UPI0004409BB9	MFSIP NEFDID GYVD GEYLVN	C G R L S S M C S I V S S L C N N L P T M	P T V V F E II P D V I F N II P N I T F T II	L G G R K F H I H G K K Y P I I G G S N F A I L G G K D F E I F N G O A Y P I	LEGRDY[[FKD]YQD LPPSAY TSQDQ LKPSAY LQSDGN <mark>C</mark> LTPNDYVMKMSQGG
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	290 300 310 320
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UniRef90_B4J475 UniRef90_T2MHR6	S <u>V P L S N D A Q Y F G P I</u> S I G T P P F N V I F D T G S A N L W D A Q Y Y G D I S L G T P P F K V V F D T G S S N L W
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UniRef90_M3YPZ3 UniRef90_K4FU08	VPLSNNAQYFADI KI GTPPFKVVLDTGSSNLW EPLAYDSLYLGEI AI GTPPQNVLFDTGSSSLW DAQYYGEI GI GTPKFTVVFDTGSSNLW
UniRef90_B3MJW5 UniRef90_C3XQC3	DAQYYGEI GI GTPKFTVVFDTGSSNLW ASEGTETLH DSADREYYGLLSI GTPKFNI LFDTGSSNLW DVQYYGVI SLGTPPFNVI FDTGSSNLW
UniRef90_G2Q6W1 UniRef90_F4RF00	STGT VEANPSPLDTEYAVEI GI GTPPQRL NLDTGSSDFW STGTVVTTPKDGDVEWLTPI QI GTPGQNLDLDTGSSDLL AANGG TNIPISDDAQYYGAII TI GTPPFKVVFDTGSSNLW NGDPVPEMLKNDAQYYGEI GI GTPPFFQVVFDTGSSNLW DYMNAQYYGVSVGTPPFTVVFDTGSSNLW SSSGATENLHNSMNNEYYGVIAII GTPPFFTVVFDTGSSNLW ASQANEPLINDAEYFGQI TI GTPPFTVVFDTGSSNLW VPLSNNAQYFADIKI GTPPFTVVFDTGSSNLW EPLAYDSLYLGEI GI GTPPFFTVVFDTGSSNLW SSGEVSAIPVGEI GI GTPPFFVVFDTGSSNLW ASEGTETLH DSADREYYGEI GI GTPPFFNVLFDTGSSNLW OVQYYGEI GI GTPPFFNVLFDTGSSNLW SGEVSAIPVGEI GI GTPPFFNVLFDTGSSNLW ASEGTETLH DSADREYYGLLSI GTPPKFTVVFDTGSSNLW GTVPAKPDSQNVEYICKVTI GTPPFNVLFDTGSSNLW SGEVSAIPVGNAQYFSEI TI GTPPFNVLFDTGSSNLW CTVPAKPDSQNVEYLAPVQI GTPPFNVLFDTGSSNLW CTVPAKPDSQNVEYICKVTI GTPPFKVLDTGSSNLW LPVSNNAQYYAEI GL GSPKFNVVLDTGSSNLW
UniRef90_L8FYN9 UniRef90_I4Y6V2	GTVPAKPDSQNVEYTCKVTI GGQTLNLDFDTGSADLW
UniRef90_G9MUE5 UniRef90_B6QG34	LPVSNNAQYYAEI GLGSPKFNVVLDTGSSNLW SNGNVTATPDGDDLQYLVPVQIGTPPQTLDFDTGSSDLW NGSVAAVATNGDVEFVAAI NVGGQTMMMDFDTGSSDLW
UniRef90_N1PY44 UniRef90_M5EB63	PEQYDQSYLCPVSVGGKTLNLDFDTGSADLW ARAGHNVPLTDFLNAQYFADIELGTPPFKVLLDTGSANLW NMVYFGKISIGTPPFQVNFDTGSSDLW
UniRef90_Q6R6N5 UniRef90_B4JMF8	N M V Y F G K I SI G T P P F Q V N F D T G S S D L W N M A Y Y G A II T I G T P P F K V L F D S G S S N L W
UniRef90_UPI0001D37D49 UniRef90_F0XNB4	GGPLPELLKNDÄQYYGEI GI GTPPFTVVLFDTGSSNLW PLPVSNNAQYFAEI SI GTPPFKV <u>VL</u> DTGSSNLW
UniRef90_W5MS51 UniRef90_B4NEK1	AVEYENKTGNTEYYGTI SI GTPTFVVLFDTGSSTLW
UniRef90_E2BND1 UniRef90_UPI0003C3A275	AVEYLNKTGNTEYYGTI SI GTPTQTVHFDTGSSTLW TPTPEPLSNDAQYYGVI TI GTPPFRVI FDTGSSNLW DDSYYGKI TI GTPEFLV LFDTGSSNLW
UniRef90_F4P764 UniRef90_N1J5F9	GTVPAKPDSQNVEYICKVTI GGQTLNLDFDTGSADLW LPVSNNAQYYAEIGLGSPKFNVVLDTGSSNLW SNGNVTATPDGDDLQYLVPVQI GTPPQTLDFDTGSSDLW NGSVAAVATNGDVEFVAAINVGGQTMMMDFDTGSSDLW PEQYDQSYLCPVSVGGKTLNLDFDTGSADLW ARAGHNVPLTDFLNAQYFADIELGTPPFKVLLDTGSANLW NMVYFGKISIGTPPFFKVLFDSGSSNLW NMAYYGAITIGTPPFFKVLFDTGSSNLW NMAYYGAITIGTPPFFKVLFDTGSSNLW PLPVSNNAQYFAEISIGTPPFFKVLFDTGSSNLW NYHNMAYFGKINVGTPPFFKVLFDTGSSNLW NYHNMAYFGKINVGTPPFFKVLFDTGSSNLW TPTPEPLSNDAQYYGVITIGTPPFFKVLFDTGSSNLW TPTPEPLSNDAQYYGVITIGTPPFFKVLFDTGSSNLW TPTPEPLSNDAQYYGVITIGTPPFFKVLFDTGSSNLW TGKVTATPVMGDVEYLSPISIGGQTTNNMDFDSGSSNLW TGKVTATPVMGDVEYLSPIGGGQTTNMDFDSGSSDLW
UniRef90_H1UXW5 UniRef90_A9U937	S G E VA A P A E F D S Q Y L C P V Q I G T P P Q N L N F D T G S S D L W P E P L S N D A Q Y Y G P I T I G T P P F R V V F D T G S S N L W S T G S A E A K P E A N D V E Y L V P V S I G T P G Q N L D F D T G S S D L W
UniRef90_G2RCL3	STGSAEAKPĒANDĪVĒ YLVPĪVSI GTPGQNLDFDTGSSDLW PLRNDMVYVGNISI GTPPFSVVFDTGSSDLW
UniRef90_Q5U8V6 UniRef90_Q6R6N9 UniRef90_Q6C080	PLRNDMVYVGNISIGTPPFSVVFDTGSSDLW RNSDITSVPLRNDLMYLGNITIGSPPFRVVFDTGSSDLW VSNSPLTNNAQYYTEIELGTPPFNVILDTGSSNLW
UniRef90_UPI000273CD01 UniRef90_W5NQB5	N D A V A Y E P I T N D S F Y F G E I S T G T P P Q N V L F D T G S S N L X T A T H P L R N D N C Y M G N I T I G T P P F R V L F D A G S A D L W
UniRef90_W9X162 UniRef90_V2XG44	PEQYDAEYILI <mark>C</mark> PIVINII IGGQTILINILIDFDTGSSDILIW
UniRef90_UPI0003F0879D UniRef90_G3W996	TNTYIDASYYGELIGIIGTPPELIVIEDTGSSYLW
UniRef90_U1GJW1 UniRef90_U3KC12	ADKGHT V P V FNF L NAQYFST L A L GSPFFN VLL DTGSSN L W
UniRef90_W5N1A5 UniRef90_H1A4H1	ATTSNLPMHNYMDIEYIATISIGTPEFTVVFDTGSSNLW SSEPLITYLDMEYFGQISIGTPPFTVVFDTGSSNLW
UniRef90_H1A4H1 UniRef90_M1W3Y4 UniRef90_R0I6N6	SASVPAVPDPNDLEYLSPVTUGGQTLHLDFDTGSSDLW
UniRef90_R0f6N6 UniRef90_Q9VEK3 UniRef90_L8G444	GATETION RENNEY AGPISIGS PPFN MEFDTGS AND W GTVESIPEAY DREYLS PVQIGT PPQTVN FDTGS ADLW
UniRef90_LoG444 UniRef90_W3WKH8 UniRef90_U3IRI2	T GIL VIT A T P E E N DIVIE YIL IS PIVIDII IG G Q T IL INIL ID F D S G S S DIL IW
UniRef90_W4K0B9 UniRef90_N4UYM7	DSSFFGEI SLGTPPQSVLFDTGSSNLW AKRATGKDALTDDDAEWYGTI SVGTPTYTVDFDTGSSDLF TGLVTATPIRNDVEYVSPI KI GGQEVNVDFDSGSSDLW
UniRef90_L8G2Y8 UniRef90_U7PQA2	GNVTATPVPNDLEYIAPVTIGGQLIDMNFDTGSSDLW AGQGMVAAIPQMFDAEYLAQVTIGTPPQTLNFDTGSSDLW
UniRef90_Q9N9H3 UniRef90_G4VFY7	DAQYYGVIQI GTPNFTVTFDTGSSNLW NYQNTEYYGEI SI GTPPEHVLFDTGSPYLW
UniRef90_S7ZQT4 UniRef90_L2FR36	T G A V S A T S V Q N D V E F V S P V S I G G Q T V T V D F D T G S S D M W A T G S V A A T P Q D Y D V E Y L S P V Q I G T P A Q T L T F D T G S S D L W
UniRef90_P00795 UniRef90_G3J6D7	DAQYYGEII GII GTPPFTV VFDTGSSNLW
UniRef90_M5GBQ7 UniRef90_G9MF49	V P L T D N A Q Y F A E I T L G T P P F K V V L D T G S S N L W S G S V T N T P F G N D V F F L S P V N L G G O T L N L D F D T G S S D L W
UniRef90_UPI0002742A94 UniRef90_E5A7T3	VTSHSLRNDLEYVGLITIGTPPQTVMFDTGSAELW GSDPAVPDQYDSSYLSPVTVGSTTVELDFDTGSADLW
UniRef90_E5A713 UniRef90_W5NSL3 UniRef90_B2A9C2	SSRGSILITILIH PILIRND MIVIYIVIG KILITILIG T P P F QIV VIF D T G S S DILIW
UniRef90_B2A9C2 UniRef90_UPI000455E3E3 UniRef90_UPI0004621F5E	R G S V Q N S P K S Y D V E Y L M P V S L G T P A Q N L D L D T G S S D F W L T D D S S W Y G S I S V G T P T F T V D F D T G S S D L F R G A V P L T D Q S F D L E W T G P I T I G N P P F T L D F D T G S S D L W
UniRef90_UP10004621F5E UniRef90_S8EL55 UniRef90_I3MSA9	AKRQSEPTTDEGQDTEWIGQIISIGSPPQNFLFDTGSSDLW SVLYEPMSYDAAYFGEISIGTPPQNVLFDTGSSNLW
UniRef90_ISMSA9 UniRef90_W7MAM2 UniRef90_E9EZU7	GTASATPQYYDSQYVVPVKI GTPAQQLNFDTGSSDLW TGTVEAKPEVNDAEYISPVKI GGQTVNLDFDTGSSDLW YVGNI TI GTPPFQVIFDTASSDLW
UniRef90_M0QVZ3	T G T WE AR PEWNDAE YILS PVRI GG Q T WNL D F D T G S S D L W Y W G N I T I G T P P F Q V I F D T A S S D L W T A T E S Y E P M T N D A S Y G T I S I G T P Q F S V I F D T G S S N L W
UniRef90_P00793	TATESYEPMTNDASYYGT S GTPQFS V FDTGSSN L W

James Berg 12,12839		
	UniRef90 12.IR39	50 60 70 80 VPSSDCASUACYUHTKYDHEOSSTYKKNGSEESUOYGSGS
June June	UniRef90_Q21966	I PKCPFYDI ACMLHHRYDSKSSSTYKEDGRKMAI QYGTGS
JUNEAGO DALAPAT.	UniRef90_H2Z385	VPSVKCSLTDVACLIHDKYSSSTYLANGTTFALQYGSGS
JUNEAGO DALAPAT.		V P S V K C I S I A C F L H S K Y D S S Q S S I Y K A N G S D F E I H Y G S G S
JUNEAGO DALAPAT.		VPSI YCKSKACVTHRSFNPSHSSTFHDWGKSI TLEYGSGE
JUNEAGO DALAPAT.	UniRef90_I3N9H0	VPSLSCNSEACKNHHRFDPTESSTFQNLSKPLLVLYATGL
JUNEAGO DALAPAT.	UniRef90_P56272	V S S S H C S A Q A C S N H N K F K P R Q S S T Y V E T G K T V D L T Y G T G G
Marsengo Marsengo		V P S A F C K S R A C K K H A K F C P S Q S N I H I R G K I F S II Q Y G I G S C
Marsengo Marsengo		VPETCHRKEACOLHSRYNAKRSRSYKSNGSOFDIOYGSGS
Marsengo Marsengo	UniRef90_T2MHR6	VPCGWTDLACLTHNKYHGDKSSTYVQNGTKFSIQYGSGSC
Jinkelego BaMJWS		WESSILIPASILIGNES AVNDSILSOTVIENA TWELLY OF COORD
Jinkelego BaMJWS	UniRef90_E9E8X2	VFSTDTTPSMVHDQGLYNANKSTTSHFLTSWKI KYGDNAS
Jinkelego BaMJWS	UniRef90_F9GFK7	V F T N T T Q G A S Q R T S Y N P G K S S T S R K L N G Y T F E I R Y G D G S S
Jinkelego BaMJWS		II P C S II T V P A C D L H E K Y D S S K S S S Y V A N G T S F S II Q Y G S G A
Jinkelego BaMJWS	UniRef90_UPI0003F12D6A	VPKCSPFSLPCWFHKKYDSSKSSTYVENGRTFDI HYGSGS
Jinkelego BaMJWS	UniRef90_U3J037	VPSAYCLSEACRVHQKFKSFLSDSYEHGGEAFSLQYGTGE
Jinkelego BaMJWS		VPSASCPASACQRHNKYDSSASSIYVANGEEFAIIEYGIGS
Jinkelego BaMJWS	UniRef90_UPI0003EA955D	V P S GLCDSKACKVHHRYHSSQSSTYQVDGRPFSIQYGTGS
Jinkelego BaMJWS	UniRef90_I2GYM0	VPSKECGSLACYLHSKYNHDESSTYKANGSAFALQYGSGS
Jinkelego BaMJWS		VPSAYCUSEACKMHEOEKSEHSTTVAPPGNOESUPVCTGO
Jinkergo CSACCS V P S V K C E G A A M M C R Y N B S K C C G C G C G G G G	UniRef90_B3MJW5	
	UniRef90_C3XQC3	V P S V K C E G A A C A N H Q R Y N H S K S C T Y K A D G R P L K I T Y G S G S
		VPSTRCTS[]ACF[]HSKYDCFASSSYKANGTFFOIIRYGSGS
	UniRef90_L8FYN9	V F S T S L P A T S K N N H N V F D P T K S S T W Q E M S S W S L Q Y V D G S G
	UniRef90_I4Y6V2	VPSNKCMSLACFLHRKFNPEESKSYKANGTDFELRYGSGS
		V F S T N L A A K A Q T G H T IV F D P T K S K T F K N IV IS T F S II IT Y G D G S G
Junkelgo Derikon Derikon	UniRef90_N1PY44	VFSSLMPRSEQSGHSLYSPSSSAKKLSGYTWNLTYGDGSG
Jinkergo B4JMF8 Jinkergo F0XNB4 Jinkergo F0XNB	UniRef90_M5EB63	VPSEKCTSLACFLHKKYDNTLSSTYKPNGSSFEI QYGSGS
JAIRGE90 UP10001D37D49 JAIRGE90 EXXNB4 JAIRGE90 W5NNS51 JAIRGE90 W5NNS52 JAIRGE9		VPSSRCFFACONHNKYDHDKSSTYVANGFSFSI OYGSGS
JAIRGE90, W5MS51 JAIRGE90, W5MS51 JAIRGE90, W5MS51 JAIRGE90, W5MS51 JAIRGE90, W5MS51 JAIRGE90, W5MS51 JAIRGE90, W5MS51 JAIRGE90, W5MS52 JAIRGE	UniRef90_UPI0001D37D49	VPSLHCKLLDLACSALG QGGRKWSQLCLDPGPP
Jurikerjo WSNOB5 Jurikerjo WSN162 Jurikerjo WSN162 Jurikerjo WSN162 Jurikerjo WSN162 Jurikerjo WSN162 Jurikerjo WSN162 Jurikerjo WSN096 Jurikerjo WSN096 Jurikerjo WSN096 Jurikerjo WSN0162 VP S S M C P E S N M A C A F H N S Y D N S T T S K K E R O F G I Q Y G D G S M N J W P S L D C R S S A C A S K T L Y E P G T S S T S K K E R O F G I Q Y G D G S M N J W P S L D C R S S A C A S K T L Y E P G T S S T S K K E R O F G I Q Y G D G S M N J W P S L D C R S S A C A S K T L Y E P G T S S T S K K E R O F G I Q Y G D G S M N J W P S L D C R S S A C A S K T L Y E P G T S S T S K K E R O F G I Q Y G D G S M N J W P S L D C R S S A C A S K T L Y E P G T S S T S K K E R O F G I Q Y G D G S M N J W P S L D C R S S A C A S K T L Y E P G T S S T S K K E R O F G I Q Y G D G S M N J W P S L D C R S S A C A S K T L Y E P G T S S T S K K E R O F G I Q Y G D G S M N J W P S L Y C Y S C A C S G H A Q F S P S Q S S T Y S T N G Q T F S L Q Y G S G S J W P S L Y C Y S C A C S M H N R F N P A E S T F L N T N D T L F I A Y G T G S J W R W P S L Y S T Y S T N G Q T F S L Q Y G S G S S M R H K Y N P S L S S T Y S T N G Q T F S L Q Y G S G S S M R M N R F N P A E S T F L X Y G T G S M M M S Y D S L Y S T N G Q T F S L Q Y G S G S M H H K Y N P S L S S T Y Q V L G T P F S L Q Y G S G S S M R M N R F N P A A S S T F L Y T A T N D T L F I A Y G T G S M M M S Y D S L Y S T Y G Y G T G S M M M S Y D S L Y S T Y G Y G T G S M M M S Y D S L Y S T Y G Y G T G S M M M S Y D S L Y S T Y G Y G T G S M M M S Y D S L Y S T Y G Y G T G S M M M S Y D S L Y G T G S T Y M S L Y G T G S M M M S Y D S L Y G T G S M M M S Y D S L Y G T G S M M M S Y D S L Y G T G S M M S T T A X M H C Y Y N P T L N S M S T T A X M M G S T F R L A Y G T G S M M M S Y D S M S T T S M K M R T Y T L Y G S G S L Y P S S L T S T M K M S T T A X M M G S T F R L A Y G T G S M M M S T T A X M H C Y T M N M S A S S T F W D D G R R F S L A X Y G T G S M M M S T T A X M H C Y T M N M S T T A X M M G S T F W D D G R G S T M M M S T T A X M M G S T T T T T T T T T T T T T T T T T T	UniRef90_F0XNB4	VPSSQCGSLACYLHTKYDSESSSSYKSNGSAFAAQYGSGS
Jurikerjo WSNOB5 Jurikerjo WSN162 Jurikerjo WSN162 Jurikerjo WSN162 Jurikerjo WSN162 Jurikerjo WSN162 Jurikerjo WSN162 Jurikerjo WSN163 Jurikerjo WSN163 V P S E D C R S S A C A S K T L Y E P G T S S T A K E L S T WKI S Y G D G S S Jurikerjo WSN163 V P S E D C R S S A C A S K T L Y E P G T S S T S K K E R O F G I D Y G D G S S Jurikerjo WSN163 V P S E D C R S S A C A S K T L Y E P G T S S T S K K E R O F G I D Y G D G S S Jurikerjo WSN163 V P S E D C R S S A C A S K T L Y E P G T S S T S K K E R O F G I D Y G D G S S Jurikerjo WSN1645 V P S E D C R S S A C A S K T L Y E P G T S S T S K K E R O F G I D Y G D G S S Jurikerjo WSN165 V P S E D C R S S A C A S K T L Y E P G T S S T S K K E R O F G I D Y G D G S S Jurikerjo WSN165 V P S E D C R S S A C A S K T L Y E P G T S S T S K K E R O F G I D Y G D G S S Jurikerjo WSN165 V P S E D C R S S A C A S K T L Y E P G T S S T S K K E R O F G I D Y G D G S S Jurikerjo WSN165 V P S E D C R S S A C A S K T L Y E P G T S S T S K K E R O F G I D Y G S G S S Jurikerjo WSN165 V P S E D C R S S A C A S K T L Y E P S S S T S K K E R O F G I D Y G S G S S Jurikerjo WSN165 V P S E D C R S S A C A S K T L Y E P S S S T S K K E R O F G I D Y G S G S S JURikerjo WSN165 V P S E D C R S S A C A S K T L Y E P S S S T S K K E R O F G I D Y G S G S S JURikerjo WSN165 V P S I Y C S G I A C Y L H T T Y N A E D S S T Y S T N G Q T F I S L Q Y G T G S D JURikerjo WSN164 V P S I Y C S G I A C Y L H T T Y N A E D S S T Y S T N G Q T F I S L Q Y G T G S D JURikerjo WSN164 V P S I Y C S G I A C Y L H T T Y N A E D S S T Y S T N G Q T F I S L Q Y G T G S D JURikerjo WSN164 V P S I Y C S G I A C Y L H T T Y N A E D S S T Y S T N G Q T F I S L Q Y G T G S D S S T JURikerjo WSN164 V P S I Y C S G I A C Y L H T T Y N A E D S S T Y S T N G Q T T Y G D G S G S JURikerjo WSN164 V P S I Y C S G S A C Y L H T T Y N A E D S S T Y S T N G Q T T Y G D G S G S D JURikerjo WSN164 V P S I Y C G G G S T T A K G W S S T T S T N N G S S S T S S T S S T S S T S S T S S T S S T S S T S S T S		VPGSGCYSCI YDNGAIVIYDSSESSTYYANGTAETII QYGTGN
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JniRef90_L8G444	UniRef90_W9X162	VFSSELSSSEQSGHSI YDPSKSSTAKELSTWKI SYGDGSS
JniRef90_L8G444		VPSAMCPESNMACAEHNSYDNSTYTATRESENIITYGSGS
JniRef90_L8G444	UniRef90_G3W996	V P S TY C Q S Q A C S G H A Q F S P S Q S S T Y S T N G Q T F S T Q Y G S G S
JniRef90_L8G444	UniRef90_U1GJW1	VPGSECGSUACYLHTTYNAEDSSTYRKNGSEFAIRYGSGS
JniRef90_L8G444	UniRef90_U3KC12 UniRef90_W5N1A5	V P S I Y C S S L A C S N H H K Y N P S L S S T Y R A L N T P V S II A Y G T G S
JniRef90_L8G444	UniRef90_H1A4H1	VPSVYCVSKACTEHTRFHPTQSSTYQVIGTPFSIQYGTGS
JniRef90_L8G444	UniRef90_M1W3Y4	AFSSI OSRSORGSHAVVTWN PSKOTOGVS WST SVGDGSG
JAIRE190_W3WKH8	UniRef90_Q9VEK3	VPECSPKSVACHHHHRYNASASSTFVPDGRRFSIIAYGTGS
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UNIRE190 (3206VV)	NI T G
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UniRef90_W4K0B9 SGSELYLGGKNSNLYTGSITYTPVTDASYWQVDMDG	I A V D
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UniRef90_P00793 TGSFVLFGGLDPNYTTKGLIVWVPAETYWQLTMDRVT	VGNK

UniRef90_I2JR39	210 230 230 240 EYAELQSHGAAIDTGTSLIVLPSQLAELLNSEIGAEKSWS	0
UniRef90_Q21966 UniRef90_H2Z385 UniRef90_Q5KNQ9	GVGCSNGCQAIADTGTSLIVLPSGLAIQNFIGAERSWSGVGCSNGCQAIADTGTSLIAGPKAQIEAIQNFIGAERSWSGNGCQAIADTGTSLIAGPKAQIEAIQNFIGAEPLIK EALELENTGAAIDTGTSLIVMPTDVAELLNKEIGATSFLH EELELENTGAAIDTGTSLIVMPTDVAELLNKEIGAEKSWN GNSLGYCCHAICDSGTSLIAGPSAQINALNTKLGAVVMNG VIGCPRGCQAIMDTGTSLIIGPSKAVAKIHSLINAAYVKE VVACDGGCQAILDTGTSLLIGPSKAVAKIHSLINAAYVKE QTAACEGCQAIVDTGTSKIVAPVSALANIMKDIGASENQG VMLCSKGCQAIVDTGTSSITGPSDDIRQLQKAIRAVRRKN EAMRNHSLSGIADTGTSLLLPKSVVAAYYEEIQGAQYDS	
UniRef90_D3B9R3 UniRef90_F1RIE7 UniRef90_I3N9H0	G N S L G Y C C H A I C D S G T S L I A G P S A Q I N A L N T K L G A V V M N G V I G C P R G C Q A I M D T G T S L L I G P S K A V A K I H S L I N A A Y V K E V V A C D G G C Q A I L D T G T S L L A G P T H D I L K I Q Q A I G A T R G Q Y	
UniRef90_P56272 UniRef90_H0XZU2 UniRef90_F7VKM5	QTAACEGCQAI VDTGTSKI VAPVSALANI MKDI GASENQGVMLCSKGCQAI VDTGTSSI TGPSDDI RQLQKAI RAVRRKN EAMRNHSISGI ADTGTTLL LLPKSVVKAYYEEI QGAQYDS	
UniRef90_B4J475 UniRef90_T2MHR6 UniRef90_UPI000332F389	LQMCQKGCHVIIDTGTSFIAVPYEQAILINESIGGTPAAY GEPMFCACNAIADTGTSLIAGPTEEVNKLNQMIGATPIVG GEIIACGCQGIIDTGTSLLTGPRQSVLNIQKIIGARASHD	
UniRef90_N1QD75 UniRef90_E9E8X2 UniRef90_F9GFK7	GTCNGKCKSAI ADTGTSLLYLDSDVVSTYYAKVAGSQMWDGKTSHDKSINI VDTGTSLLLLPETVVSNYYAKVKGSSVDPDKIGRTSI NGI ADTGTTLLL LPNTVNRAYYAKVSGSRFDS	
UniRef90_F0ZKY9 UniRef90_M0QW24 UniRef90_UPI0003F12D6A	GFCGSQGCPAIADSGTSLIAGPIDFITALNQKLGAVVISGIIACSGSCEAIVDTGTSAIEGPRKLVNKIHKLIGARPRHS	
UniRef90_U3J037 UniRef90_Q9VKP6 UniRef90_H0WKF2	GRFCSHGCEAI VDSGTSLITGPSSQIRKLQEYIGASPSHTGTLLCNGCQAIADTGTSLIAVPLAAYRKINRQLGATDNDG	
UniRef90_UPI0003EA955D UniRef90_I2GYM0 UniRef90_M3YPZ3	VRFCADGCQALVDTGTSLLTGPTEDIKALQEELGATPAGGEYTELENHGAAIDTGTSLITLPSGLAELINSELGAKKGWT	
UniRef90_R3H723 UniRef90_B3MJW5 UniRef90_B3MJW5	GMLTLCINGCI VDTGTSLITGPEKEIRKLHKQLGAMSVGD GVFISRNTQAIADTGTSLIVLPKAAYTRINNLIGAEDNGE	
UniRef90_C3XQC3 UniRef90_G2Q6W1 UniRef90_F4RF00	T P F R AVA H T A I A D T G T T L L L L P P G I A Q A Y Y W Q V Q G A R Q A P E E M K L V N V G A A I D T G T S L I A L P T D T A E I I N A S L G A K K S W S	
UniRef90_L8FYN9 UniRef90_l4Y6V2 UniRef90_G9MUE5	DEVELENT GAAI DT GT SLIAI PT DMAEMLNK MI GAKK SWS TGGEFDAI ADT GT TLILAS DALVK SYYQKV QGAHLDA	
UniRef90_B6QG34 UniRef90_N1PY44 UniRef90_M5EB63	GDDDSIGDAI ADTGTTL LYL PDDVTTDYYNNVDGAQYDQ EELELSKTGAAIDTGTSLIAMPSEISELLNKEIGAKRSFA	
UniRef90_Q6R6N5 UniRef90_B4JMF8 UniRef90_UPI0001D37D49	GNVCSQGCQAILDTGTSSLVGPTHLVTNILIKLINPKPILDGQTLGESFQAIADTGTSLLVVSSDAYDLLNNLLNVDED LTLCKGGCEAIVDTGTSLMVGPVDEVRELQKAIGAMPLIQ	
UniRef90_F0XNB4 UniRef90_W5MS51 UniRef90_B4NEK1	MILCS	
UniRef90_E2BND1 UniRef90_UPI0003C3A275 UniRef90_F4P764	HTL	
UniRef90_N1J5F9 UniRef90_H1UXW5 UniRef90_A9U937	GVQLCDQCQAIADTGTSLIGVPSDQYEAIQEAIGTYSEDTKTLATGSHAVFDSGTSLIAIPTVHANQIHQQLGAIPFTNADQAPIDAPSIADTGTTLMLTSAAIVNAYYSQVTGAVNDASAPTSAPHEAIADTGTTLMLLPDAIVSAYYQRIASAKFDSGTTVPFCCEAIADTGTSLIAAPSEEARLINKKIGAKPIMGDSLKNTTFQGIADTGTTLLLLPSSVVSAYYQRIASAKFDS	
UniRef90_G2RCL3 UniRef90_Q5U8V6 UniRef90_Q6R6N9	DSLKNTTFQGIADTGTTLLLLPSSVVSAYYGQVSGAKYDP VIGCPRGCQAIVDTGTSMLHGPSKAVAKIHSLINAKHFEK IIGCSGGCEALVDTGTSLIQGPTRMITNIQKLIGATPQGF	
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UniRef90_W9X162 UniRef90_V2XG44 UniRef90_UPI0003F0879D	GRFQSASIDAIADTGTTLLLMDDNIVSAYYNQVDGAQYDN STEVVSDFATIIDSGTTIMYGPPSDVKKLYSKIEGARLVD	
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UniRef90_U3KC12 UniRef90_W5N1A5 UniRef90_H1A4H1	GQVCAQGCQGI VDSGTSLIAGPPSEISTIQQYIGATQNSY VTFCANGCQAI VDTGTSLITGPTKEIKKLQNLIGAVSVDG	
UniRef90_M1W3Y4 UniRef90_R0I6N6 UniRef90_Q9VEK3	NSNTRSSISGILDTGTTLILVDDSIVSAYYSQVSGAQFDNGTRINQNRQAIADTGTSLLAAPPREYLIINSLLGGLPTSN	
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UniRef90_W4K0B9 UniRef90_N4UYM7 UniRef90_L8G2Y8	GISVLSTIAVIIDIGIIQIVGDPDNVAIVYDQISGAVSAP	
UniRef90_U7PQA2 UniRef90_Q9N9H3 UniRef90_G4VFY7	SIACPNGCQAIADTGTTLLFLPDGIVNAYYGQIRSAVNSQ SIACPNGCQAIADTGTSLIAGPKAQVEAIQKYIGAEPLMK EIFCPSGSTALIDTGTALISGPTEKINNINKYLGSIQMSN	
UniRef90_S7ZQT4 UniRef90_L2FR36 UniRef90_P00795	G N G Q V Q Q G Q A I A D I G I I L I L A N P P M V Q A Y Y E Q V Q G A K N D Q G N G N A L G G T A I A D T G T T L M L V N A A I V N A Y Y S Q V A G A V N N A G N I T S F P H Q A I A D T G T T L L F L P D G I V N A Y Y S Q V R S A V N S Q S I A C P N G C Q A I A D T G T S L I A G P K A Q V E A I Q K Y I G A E P L M K E I F C P S G S T A L I D T G T S L I A G P K A Q V E A I Q K Y I G A E P L M K E I F C P S G S T A L I D T G T S L I L S G P T E K I N N I N K Y L G S I Q M S N L Q K V T Q V P R A I A D T G T S L M L V S P E V V T A Y Y K K V Q N A A Y S S G S A S F T S T N G I A D T G T T L L L L P Q S V V T A Y Y A K I S G A K Y D S L T L C K G G C E A I V D T G T S L I V G Q P E E V R E L G K A I G A V P L I Q M Y G D V Q A I A D T G T T L L L L D N Q S V Q S Y Y A N V Q S A E Y D Q E D L E L E S T G A A I D T G T T L L L D P S D I A E M L N K E I G A T N D A N G G A T O K G O A I A D T G T T L I L I A D P I L V O G Y Y S O V O G A O N D A	
UniRef90_G3J6D7 UniRef90_M5GBQ7 UniRef90_G9MF49	MYGDIVQAILADTGTTLLLLDNQSIVQSYYANIVQSAEYDQ EDLELESTGAAIDTGTSLIALPSDIAEMLNKEIGATKSWN NGGATQKGQAIADTGTTLLLLADPIIVQGYYSQVQGAQNDA	
UniRef90_UPI0002742A94 UniRef90_E5A7T3 UniRef90_W5NSL3	NGGATQKGQAIADTGTTLLLLADPIIVQGYYSQVQGAQNDAVIACYEGCQAILDTGSSVVIGPFEGVLHIQNIIHAQHSFKGTTTQRAISGILDTGTTLVYTDTAIVKAYYAKVSGAKLDNVIACSGGCEAIVDTGTSLILGPRRLVNSIQKLIGATPQGS	
UniRef90_B2A9C2 UniRef90_UPI000455E3E3 UniRef90_UPI0004621F5E	VIACSGGCEAI VDTGTSLILGPRRLVNSIQKLIGATPQGSGTTGSFNSTRIHDTGTTLLLLPEGVCEAFYGRIASAKYDADQAIQSSIASVVDSGTTLIVAPTDDVQNFYEQIGGQDASSGKAVASDFEAVIDSGSTIINAPPAAAKAFWDAVEDAQVFD	
UniRef90_S8EL55 UniRef90_I3MSA9 UniRef90_W7MAM2	GKAVASDFEAVIDSGSTILNAPPAAAKAFWDAVEDAQVFDGKTVSQGFDTVIDSGSTILNAPPAAAKAFWDAVEDAQVFDGKTVSQGFDTVIDSGTTIMYGPPSDVAAVYASVPGASQLNEEWCSQGCQAMVDTGTSLLTVPQQYLSSLLQAIGAQEGEYAQWHKYNYSAIVDTGTTLLLLPSYLVNFYYKKVKGAYVDQNGGQPKTSTPIADTGTSLMIADPVMVQAYYDQVQGARVNARKVIACSDCLVDTGTTHIEGPGRLVSNIQKLIGARLRGS	
UniRef90_W7MAM2 UniRef90_E9EZU7 UniRef90_M0QVZ3 UniRef90_P00793	N G G Q P K T S T PI A D T G T S L MI A D P V M V Q A Y Y D Q V Q G A R V N A R K V I A C S D G C L V D T G T T H I E G P G R L V S N I Q K L I G A R L R G S Y V A C F F T C Q A I V D T G T S L L V M P Q G A Y N R I I K D L G V S	

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UniRef90	UniRef90_F7VKM5 UniRef90_B4J475 UniRef90_T2MHR6	NQGGYVFPCSPTPPDFVFGVSDGIVTVPGDMVSYAPVDSA GQFSVPCEQVPHLPTLSFALGGRRFQMKGEDYVFHDIFAD GEYIIDCAKVPSLPALEFWIGGKQFVLKGSDYVLKVSTLG
UniRef90	UniRef90_UPI000332F389 UniRef90_N1QD75 UniRef90_E9E8X2	GEHVLDCDTVHSLPDIVFTINGVTYPVPASAYIQKSHICY LS TYIYPCDSTLPDLSLDFGGHYITIKGEKMTYLAFTGA RLGMRVVPCNANLPDFYLTIGSYRGRVPGSYMNYG RVSG
UniRef90	UniRef90_F9GFK7 UniRef90_F0ZKY9 UniRef90_M0QW24 UniRef90_UPI0003F12D6A	EALFPOCSINTLPNVTVTLAGRQFNLTPKUQLTEFG KY YISCSAVNTLPNVTVTLAGRQFNLTPKUQLTEFG KY YISCSAVNTLPSILTINGLNYPVPGRAYVLKDSRGC GFYMIPCFKVADIPPILTIKIGSKDYTLISFDYVLKVSQAG
UniRef90	UniRef90_U3J037 UniRef90_Q9VKP6 UniRef90_H0WKF2	GEYLVDCRRLSSLPHISFTIGHHEYKLTAEQYVVKESIDD EAFVRCGRVSS LPKVNLNIGGTVFTLAPRDYLVKVTQNG GEYMIPCEKVSSLPSVTLKLAGKDYTLSGEDYTLKVSQGG
UniRef90	UniRef90_UPI0003EA955D UniRef90_I2GYM0 UniRef90_M3YPZ3	G M Y A V A C S S L P W L P D V T F T I I N G A E F P L T P E A Y I Q S E E L I G G Q Y T I E C D K R A S L P D M T F T F D G Y N F T I S P Y D Y T L E V S G S C G Q F T V D C N N I Q N L T T L T F L I S G V H F S L P Y H S Y V F T G N G V C C E Y V V D C N R I Q S L P T T S C S V F S L P Y H S Y V F T G N G V C C E Y V V D C N R I Q S L P T T S C S V F S L P Y H S Y V F T G N G V C C C E Y V V D C N R I Q S L P T T S C S V F S L P Y H S Y V F T G N G V C C C E Y V V D C N R I Q S L P T T S C S V F S L P Y H S Y V F T G N G V C C C S V V V D C N R I Q S L P T S L P T G N G V C C C S V V V V V V V V V V V V V V V
UniRef90	UniRef90_B3MJW5 UniRef90_C3XQC3 UniRef90_G2Q6W1	GEAFVRCGRVSALPNVNLHLGDRFFTLTPSDYLIRLTESG GQYLVDCGRLDDLPVVSFQFGDKLFNLTGQEYTVKEQASP EVGGWVMPCNASMPDLTLHLGTYKAVIPGELIPYDDMDTA
UniRef90	UniRef90_F4RF00 UniRef90_L8FYN9 UniRef90_I4Y6V2	GQYTVDCDKIPTLPDLTFTFAGKDFTITAEDYILQVQGTCNQGGYVFPCSATLPSLSVAIGDGDAVIPAKYLNFGPAGHSGQYTVDCNKVDDLPELSFTFGGKKYPLSGKDYILNLQGTC
UniRef90	UniRef90_B6QG34 UniRef90_N1PY44 UniRef90_M5EB63	QVGGFUFFCDATLPTLSIAVGEGEITVFGSLTNYAFAGN QVGGFUFFCDATLPTLSIAVGEGEITVFGSLTNYAFAGN SQGGYTMPCNTEVPSFNVEIGSQTFVVPGDYLNYPIDQSG GQYTVDCDRVPSLPTLTFYLDNKPYMLEGKDYILNVQGTC
UniRef90	UniRef90_Q6R6N5 UniRef90_B4JMF8 UniRef90_UPI0001D37D49	DKQVLLCDAIESLPVLLTINGTTYTVPPHYYVQQLSQETGLVDCSTVDSMPVLTFTIGGKQYPLEPAQYLIQSDGECGEYMIPCEKVSTLPVIMLKLGGKDYELSPQDYTLKVSQAG
UniRef90_QSUBV6 UniRef90_QSUBV6 UniRef90_QSUBV6 UniRef90_QSUBV6 EY	UniRef90_F0XNB4 UniRef90_W5MS51 UniRef90_B4NEK1 UniRef90_E2RND1	G C Y V F D C D S I D S I P P L T F I M N G A H L H L E P S A Y V L V Y Q D D Y E V D C S L V P F L P S L Y F Q I G G T T F T L T P S D Y I I ME G G V C G F A I V D C D I L F K I P G I D V L I G G K M S S I S G K D Y I L R V K O F G
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UniRef90	UniRef90_A9U937 UniRef90_G2RCL3	GEWSVDCNLIPHLPTISFVLAGKPFTLEGKDYLLRVSQFG SQGGYTLPCSGSAPDESEGVGGARVTVPGGYVKYAPTESG
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UNIKET9U I3MSA9 GQFFIVIN <mark>U</mark> N DIVIQNILIPT FTFIT IN GIVIQFPITIPPS A YILTIN FN GY <mark>C</mark>	UniRef90_UPI000455E3E3 UniRef90_UPI0004621F5E UniRef90_S8EL55 UniRef90_I3MSA9	ADQGLWAVPCAAVPEVAFSWGGKTWTISADDFNAGLTDVG SENGLYQFPCDHVPAVAFSWGGQNWNVSADNFNLGPTRNG GQFFVNCNDVQNLPTFTFIINGVQFPIPPSAYIINFNGYC
UniRef90_E9EZU7 QDGSVVFPCNAKLPDLDVDLGGVYMAKVAGSDMVFADLLGN UniRef90_M0QVZ3 KVYCSVVNT LPSITFTINGVNYPVPARALILKDSRHC	UniRef90_W7MAM2 UniRef90_E9EZU7 UniRef90_M0QVZ3 UniRef90_P00793	DYGVWVFPCSAKLPSFYFGFGSYRGKVPGNYINYG RLTS QDGSVVFPCNAKLPDLDVDIGGVYMAKVAGSDMVFADLGN KVYCSVVNT LPSITFTINGVNYPVPARALILKDSRHC

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Iniriring O. CHUKO IN P S C H T N A C L H H K Y D S K S S T Y V A N G T S F E R Y G G G G G G G G G G G G G G G G G G
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UniRef90_E3KWZ2 UniRef90_UPI00029D62A3 UniRef90_T5AIY5 UniRef90_W5PN47	T G K A A A V P V N G A V E Y V T E V Q I G S Q T L K L D F D T G S A D F W
UniRef90_UPI0003F15AE9 UniRef90_UPI00046B10BC UniRef90_UPI0003330F87 UniRef90_W9CNK5	
UniRef90_H0XNA3 UniRef90_B8N6F5 UniRef90_F0X7D3 UniRef90_W6Q560	
UniRef90_M3X9S4 UniRef90_F9GA67 UniRef90_UPI000383D178 UniRef90_S3CSK7	
UniRef90_E9BZ26 UniRef90_T1IFK7 UniRef90_K7FII8 UniRef90_L8FRX2	E A A Y Y G E I S L G T Q N F S V V F D T G S S N L W
UniRef90_UPI0002C62FF4 UniRef90_E2AZ60 UniRef90_UPI0004573FED UniRef90_F4WMF6	VPTQDIQYDSIYLSEVYI GTPPQRL L FDTGSADTW SVAREPMAYDASYFGKI SI GTPPQNVL FDTSSSNL W SNPSSQSLYNYLDSEYYGNI TI GTPPFKVL FDTGSSNL W TVLTNYLDTQYYGEI GI GTPPFKVVFDTGSANL W DFAYYGI SI GTPSFKVL FTTNSPHFW
UniRef90_W5N2H9 UniRef90_O57572 UniRef90_G3JB67 UniRef90_G1XRX2	R N G T A P T L T N Y D T Q Y F G E S G T P P F K V V F D T G S A N L W V P T Q D Q Y D S Y L S E V Y G T P P Q R L L F D T G S A D T W S V A R E P M A Y D A S Y F G K S G T P P Q N V L F D T G S S N L W S V S Q S L Y N Y L D S E Y Y G N T G T P P F K V V F D T G S S N L W D F A Y Y G I S G T P P F K V V F D T G S A N L W D F A Y Y G I S G T P P F K V V F D T G S A N L W D F A Y Y G I S G T P P F K V V F D T G S A N L W D F A Y Y G I S G S P P F N V V F D T G S S D L W A A P P S D V D S E Y V L P V S L G T P P Q P L N L D T G S S D L W A G E V T A E D Q Q N D S M Y L C E V E G T P P S Q K L M F D T G S S D L W N T Q Y F G N G L G T P P F T V V F D T G S S N F W R N S N T P V P M R N D L S Y V G N I I G T P P F W V I F E T G L S D L C D Y Q N A Q Y Y G E S V G T P P Q N V V F D T G S S N F W
UniRef90_F0XFM6 UniRef90_UPI00042AC5C5 UniRef90_UPI0003AF7609 UniRef90_F0Y2Z7	A GEVT A E D Q Q N D S M Y L C E V E I GT P S Q K L IMF D T G S S D L W N T Q Y F G N I G L G T P P F T V V F D T G S S N F W R N S N T P V P M R N D L S Y V G N I I I G T P P F W V I F E T G L S D L C D Y Q N A Q Y Y G E I S V G T P P Q N V V F D T G S S N L W T G S V S L T D E E D N T E W A G A I T I G T P S F L I D F D T G S S D L W
UniRef90_K5W8Y2 UniRef90_UPI0004407C74 UniRef90_H6BU59 UniRef90_UPI000398F7DC	T G S V S L T D E E D N T E WA GA I TI G T P P Q N V V F D T G S S N L W D I M Y F G T L D I G T P P Q T L D I D T G S A D L W D Y T Y F S T I K V G S Q E M Y M L L D T G S A N T W A S E A Q V V Y E P I T N H L D V S P G S P P Q N V L F D T G S S S L W T S T P E Q L I N N L Q Y Y G E I S V G T P P Q K V L F S T G S D T W
UniRef90_G4VG11 UniRef90_G3N0Q4 UniRef90_S7QIV5 UniRef90_B4N9T7	A E G N V P L S N F Q S G A V W S G A I S V G T P P Y T V D F D T G S S D L F
UniRef90_S8G3T8 UniRef90_UPI0004621EB4 UniRef90_R7SQB3 UniRef90_R7SWE9	ALT DEDGDLE WAGYI SI GIPAQNFL FDIGSSDL W ALT DEDEDTE WAGTI SI GTPAQKFL FDTGSSDL W H DEF WAGNI AVGTPPFYI DFDTGSSDL W VDLTDQFNDL JWTGELTUGTQKFV DFDTGSSDL W
UniRef90_UPI0001796143 UniRef90_K5WLS2 UniRef90_M2RQ84 UniRef90_X8J1J1 LipiRef90_MGRC3	STSPVVLTNYLDTQYYGEIGIGTPPFKVIFDTGSANLW ALADDQDVEWVGPIAIGTPPFTIDFDTGSSDLW SLTDEEDDTEWTGDLSIGTPTFLVDMDTGSSDLW VVRANDIQNDTEYACPVTIGTPTLTLDFDTGSSDFW
UniRef90_M4GBC3 UniRef90_B6Q9G4 UniRef90_W5LKM0 UniRef90_P81214	ALADDQDVE WVGPI AI GTPPFTI DFDTGSSDLW SILTDEEDDTEWTGDLSI GTPTFLVDMDTGSSDLW VVRANDIQNDTEYACPVTI GTPTLTLDFDTGSSDFW AGTGEVPAWAQEFDI EYLSPVMVGDPGQLVNFDTGSSDTW TDSVAANPSINDLI YLTPI QI GDNTLQVCLDTGSANLW DMSYYGVI SI GTPPQSVI FDTGSSNLW SGTGSVPMTDVDYDVEYYATVSVGTPAQKLDFDTGSSNLW GENVVI RDLSNAQYYGKVAI GTPPFQVVFDTGSADFW AAAVAQDGTDFSYFAQVKLDFDTGSSDLW NGTAPTVLTNYDTQYFGEI TVGSSPPFKVVFDTGSANLW ASGYPQKVNDYDDAEYVGNI TI GTPAFEVI LDTGSANLW STFVPLSNNVQYFGEI GL GTPPPFTVVFDTGSSNFW STFVPLSNNVQYFGEI GL GTPPFKVI FDTGSSNLW
UniRef90_B8C7E4 UniRef90_A0A010S7B5 UniRef90_H3ABJ7 UniRef90_H3ETD3	A A A V A Q D G T D F S Y F A Q V K L G S K P L WML I D T G A G T S W N G T A P T V L T N Y D T Q Y F G E I T V G S P P F K V V F D T G S A N L W A S G Y P Q K V N D Y D D A E Y V G N I T I G T P A F E V I L D T G S A N L W
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UniRef90_Q96VU0 UniRef90_UPI0003F15602	V P S A A C S S S I C E P K H K Y D P T A S S T S Q Q N G T F T I Q Y G D K S T V P R C H F L S L P C WF H H R F N P D A S S S F Q P N G T K F A I Q Y G T G R V P S S C T S S T C S G K H K Y Q A S S S S T S S K K S T F S L E Y G D G S T V P S L L C N S S T C A K H V M F R H H L S S T Y R P T N K T F M I F Y A V G K V P S T Y C S S L A C T N H N R F N P D D S S T Y R S T S E T V S I T Y G T G S T F S S D T Y P G V I N G Q T L Y H P E N S S T S R G E S W Q V K Y G D G A G V S S V F C S V P S C C C C C C C C C C C C C C C C C C
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UniRef90_E9BZ26 UniRef90_T1IFK7	KNYCASGCQAI ADSGTSLLVGPTDAVTAI AAAAGATKNIADNWCENGCDAI ADTGTSLIIGPPKDILGIFKTLKAAVDGRMLFCKEGCSVAIDTGASYITGPAGSLAVLMRAIQATELAERTVQRRGNTALADTGTTLALVSDETCRAIYDALPGATYDY
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UniRef90_E2AZ60 UniRef90_UPI0004573FED	RILICMGG CQAII ADIGMSLIVGPISEII DILINKYII GANKII D
UniRef90_F4WMF6	I LFCSQGCAAI VDTGSSYI SGPAAEI SSI VTSI GATSLAE HSTICLHCEAI VDISTSHI I GPLIEI EAI NRYI GHEI NGV ELFCKEGCAAMI DTGSSYI TGPASSVSI LMKAI RATQLAE NPFCPHGCQAI VDTGTSLI TGPTDDI LDI QQLI GATPTNF
UniRef90_W5N2H9 UniRef90_O57572	E L
UniRef90_G3JB67	GQDAFKNERVI VDTGTTLLLFPQHVVDEYYGKLPGSFFDK
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UniRef90_UPI00042AC5C5 UniRef90_UPI0003AF7609	TTLCAQGCGAILDTGTSLITGPSEEIQALNKAIGGFPFLV VIACSGGCHVIVDTGTSVILGPTRLVNNIQKLITPGHRVL
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UniRef90_K5W8Y2 UniRef90_UPI0004407C74	S N V T N N N F N T I I I D S G T T N M F G P P N E V M R F Y E A V E G S Q P L N D K L I Q T D I Y A A I D T G T S I I Y V P S A F A F N I Y N I I P G A K O S F
UniRef90_H6BU59	S N VITN N N F N T I I D S G T T N M F G P P N E V M R F Y E A V E G S Q P L N D K L I Q T D I Y A A I D T G T S L I Y V P S A F A E N L Y N L I P G A K Q S E K A A G F S G K S A I I D T G T S Y V L M P P A D A A T L H N L I P G S S K S Y W Q V A L D E F G I G D V V T G W C R Q G C S F V E A V G A Q Q T S G V E F C N G C T A S I D T G T S V I L G E R E Q V N R I N S L L G V S Y P V I
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UniRef90_UPI000440B278	. O I A G F F I F P C A SIVIP DIVISII II F G G I A F P II IS A D I F NII IG DIVIAIVIG	i
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UniRef90_S2JSJ7		
UniRef90_T1GRX1 UniRef90_L8WSC1	NNGNVD <mark>C</mark> NLVDKLPVVSFMINGRKLELEGKDYLLTNVENG S <u>FVC</u> YYLFP <mark>C</mark> SS <u>P</u> PNITFA <u>F</u> GGA <u>S</u> YNVDPDY <u>FSI</u> GA <u>VD</u> SF	
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UniRef90_H0XNA3 UniRef90_B8N6F5	DMY <u>VIDC</u> NTTTHLPDIVFVIGGFNYPVPSRSYVRKDAFGT SNAAWVFPCTSPLPDFTFGVGAYR GVVPGSYLLFQPLGD	
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UniRef90_W6Q560 UniRef90_M3X9S4	NANGYLFP <mark>C</mark> TSSLPTLSVALGSGYLVTVPGSFMNWTTT <u>G</u> E MNPQS <u>K</u> EGQPD <u>CE</u> YGLN <u>GCQ</u> EGRLFH <u>C</u> SPRG <u>TF</u> TLVWP <u>V</u> S	
UniRef90_F9GA67 UniRef90_UPI000383D178	S N A A WV F P C T S P L P D F T F G V G A Y R G V V P G S Y L L F Q P L G D S F F G WV F P C N A T L P S F D F G F S S G W N A S I P G H Y F N F E N V S N A N G Y L F P C T S S L P T L S V A I G S G Y L V T V P G S F M N W T T T G E M N P Q S K E G Q P D C E Y G L N G C Q E G R L F H C S P R G T F T L V W P V S T Q Q G Y V F P R S T N L P E F K V A I G D K Q F D I Q P Q D L V F A P A D K D G D F V V S C D S V E S L P T I T F T I G R P Q L P L P P S V Y V F N N D D Y C N S Q G W V Y P E N T P L P V V T I A V G Q H Q V I I Q K E D L G F A S V G D G	
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UniRef90_H3ETD3 UniRef90_F7BVZ5	TI GL WI VD C K A NL P T L DI VI G S T T Y S I D T S N F I I P T A L K C G E Y A V D C R R V S S M P H V T F T I G H R E Y T L S A E K Y I I K E A T K E G Q Y I I D C S K I P S L P P I S L L L G G V W F N L T G Q D Y V I Q L A R F G	•
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UniRef90_R9XE44 UniRef90_B6Q9I3 UniRef90_M1W4T9 UniRef90_A1CH14	D T S Y L C E V S I G T P S Q K L N F D T G S S D L W A A S G N V T A E P H G V D T Q Y S I N V T L G T P P Q S V A L D T G L G N L W A G S V T A D P C F N D A A Y L S L I R V G N N E L L V D L D T G S S D M W G S A R A H S V L Q D Q Y F V T D V E I G T P P Q K V I L D T G S S D V W T A A L S Q D G M D Y S Y F C A V D V G S Q R Q W M L L D T G G P N T W
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UniRef90_J3Q636 UniRef90_W5L262 UniRef90_L8X4P3 UniRef90_Q2GNR7	A S GI_N DIL VIN Y G I D S S Y Y G SII AIV G I P P F N V I L D I G S S D L W D Y S Y F I R V O V G T O P F Y MIL I D T G A S N T W
UniRef90_E3Q340 UniRef90_X8J3D9 UniRef90_K5XYY4 UniRef90_E4ZRH6	V V P S Q D L Q N D T E Y A C P V T I G T P T L T L D F D T G S A D L W
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UniRef90_C5FW52 UniRef90_W5PCY6 UniRef90_F9FQ08 UniRef90_E9F7Q9	NGIVEVIPSEYDIEFVNEHIVGNDILIYVDHDIDIGSSDEW LLYVGNHTIGRPPFQVIEDTGSSDLW DYSYFLEVELGSKTMYMHIDTGAGSSW
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UniRef90_U1FYW9 UniRef90_A5K1E7 UniRef90_Q22Z73	VIQILIDNQRNLYFANVILGIPPQRMHLIDIGSSDFW VIELDDVANLMFYGEGEVGDQKFMLIFDTGSSDFW SQYYGDLOVGTPPQNLIFDTGSPFFV
UniRef90_G0PHV3 UniRef90_B0DC98 UniRef90_J3PHE1 UniRef90_M9ME95	NVNDFADFEYLGNITI GTPSFTVVLDTGSANLW ADGHNVPLTNYMNAQYFTEISI ETPPFKVVLDTGSSNLW STADSVGLHQDGSDLSYFIDVGLGSKSVYMLFDTGAGTTW ATGTVGLTDQQNGELWTGTMAYGTPSFSIDFDTGSSDTL ANVPQNVNDFGDFEYLGNITI GTPPQPVVLDTGSSNLW
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NISYG
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RALLTNRSKLQNSSPSEPKNALPPLVDLN
SSLLLQRYLPKNREKAMLEQTALLQLLLL
LQRYLPKNREKAMLEQTALLQLLLL
FSYKNTFTYTKKETTLLFTESTFSKHY
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UniRef90_R8BVG6	A A G T Y D F G Y I D S A K Y T G T I T Y I V I S V N T S P G Y W T W T S S G V G S
UniRef90_U9SMV8 UniRef90_UPI0003C178D2	SPSELTIGGNPDRYHTDTLTFTHLVDDNGGQWEIPIDN <mark>C</mark> V GSVVMFGG TDVDARFLPLSFSLTMRRK
UniRef90_F4RUM0	G R S A S G S Y A Q S E L Y I G G Q I S Q T Y W Q I K L E N L Y C N N G K N L K
UniRef90_Q4Y227 UniRef90_UPI000194DD77	ANGYFTIGGIEESFYTGDITYEKLTNESYWQIQLD VAF EGSVVIFGGIDESYFTGPINWIPVSYQGYWQISMDSIIVN
UniRef90_A5AAJ6	KDGTVSFGTTDKDKYTGDUTYTDTVGSDSYWRUPVDDVVV
UniRef90_G7DW73 UniRef90_U7PUW1	T Q S S M T V G G V D P S K F S G S I S Y V N V A G N S G F W T V R L P K I T A E P G S Y D F G F L D S S L Y T G D I T Y V P V N T N P G Y W T F T S S G Y S V
UniRef90_Q29LF0	S E P S N G G G G S D P T L Y S G <mark>C </mark> L T Y V P L S Q V G Y W Q I T V G S I L D T
UniRef90_G2R0S9 UniRef90_K1VKP6	A A G A F E F G R I D G S K F V G A L S W V N T S S G F W Q V S T R G F A V G N A T G S D D G G R L T L G Y L D N S L Y Q G D V H Y Y W A V P M S K L S V G G Q
UniRef90_B4P3J1 UniRef90_R9XBP9	S M <u>I </u>
UniRef90_B6QKT4	A S G V F D F G F I D S S K Y S G F I V Y K D V D S S R G Q WN V T I D S I G D
UniRef90_M3Cl66 UniRef90_UPI00029D7DB2	FYTFGYIDKTATNGQDPIYTPVDKSQGFWMFDSTSAKIGD RAIPVFDKLKNEGALSEPVFAFYLSNLTMKREVI
UniRef90_UPI000383ADB0	RKIVI A CSGGCF
UniRef90_B4MW46 UniRef90_Q29LE7	SASSASNGGQDPTLYSG <mark>C</mark> LTYVPLSQVGYWQFT <u>VTSLV</u> SN
UniRef90_A0A022TNF6	SASSASNGGQDPTLYSGCLTYVPLSQVGYWQFTVTSLVSNDGGSLILGGSNSSLYHGSLTHVNQQKMWQFTMDYLGFPSKAPGFYDFGFIDKTKHLGDPSYLPVDNSRGWWETTFNGFSPKGGELLFGGVDSTKFSGTLTYVPLTHAGYWQFQMDGVELG
UniRef90_B3LVR4 UniRef90_G3JQR5	K G G E L L F G G V D S T K F S G T L T Y V P L T H A G Y W Q F Q M D G V E L G E V G S Y N F G Y L D K S Q Y T G A L S Y T P A F T D D L G H R L F N A T G Y A
UniRef90_R9XE44	NEGELLFGGYDDTKFSGPL <u>EWL</u> PVTK <u>K</u> GFWE <u>VEFN</u> SLTG <u>N</u>
UniRef90_B6Q9I3 UniRef90_M1W4T9	
UniRef90_A1CH14	KDGTVNFGTVDTAKFTGELTYTDIVPKŠKRWNIPLDDVNG
UniRef90_G1KH55 UniRef90_M5BS00	S G A E L Y L G G S D P S T Y L G D F H Y V S P L T S E S Y WL T T G S A T V D G
UniRef90_K3W8C7 UniRef90_UPI00035931D0	K D G T V N F G T V D T A K F T G E L T Y T D I V P K S K R WNI PL D D V N G T G G E I I L G G S D P S Y Y T G D F H Y V S I S T P G Y WHI D L K S L G S E S G A E L Y L G G T D D S L Y T G D I T Y S P L T S E S Y W L T T G S A T V D G A D G E L T F G G T D K N H Y K G E L T Y V D V T S P T Y W S V S L D A V Q A K V G G E L V L G G V D P K L Y T G S I T Y A P V F E Q K W F S I R V A G I S V D N M G E V T F G G I D S S K H G D I T Y T K V P D N V W A I P L D D F S Y D G
UniRef90_G4MTL8	NMGEVTFGGLDSSKHIGDLTYTKVPDNVWAIPLDDFSYDG
UniRef90_U9TY87 UniRef90_L9LAI8	N S E TTT G G V D P K F S N N K Y N K V V N R R G F WQI A L G G A Q V N D P G G E L M L G G V D T K Y Y T G S L Y N V T R K A Y WQ L H M D K L E V G D G
UniRef90_I3LSA4	G A II ID P S Y Y T G S IL IH WIVIPIVIT M QIL IY W Q F T IV ID S IV IT II IN
UniRef90_I1HQ45 UniRef90_A2FIM5	D M S D V L I G G N S T G F C K D G C A A M A D S G T S L L S G P T V C C H Y A E D G E M T L G G Y N P D A F S G E I T W F N V A K E L WWY F E F D D V L V N
UniRef90_Q5KAR9	V D NIVIA N E C VII ID S S M V S C DIVIT VIVINIVIC D N A O V WOII IE M A SIVITII I
UniRef90_L8J1D6 UniRef90_F6XDL1	KSSEQKAGGSDPNYYQGTFHYII KTSHPDFWQII PMQGVAVE
UniRef90_M4BDC8	E G S V V M F G R V D K A Y Y Q E M L N W V P L I Q D W R A H M D H I S M K R K K S S E Q K A G G S D P N Y Y Q G T F H Y I K T S H P D F W Q I P M Q G V A V E K D G E L T F G G V D K A H Y K G E F T Y V D V I S S T Y W L V K L D A V E T K A P S E L Y L G G M N P A H Y V A G T T Q W A P V T S Q S Y W V V T G A T A V N S G G E L I L G G I D H S L Y K G S I N W V P V T F K A Y W Q I L M D N V K I Q
UniRef90_G0SW51 UniRef90_UPI0003C1928C	SGGELI LIGGII DH SILIY K GSILIN WVPVT FKAY WQI LIMD NVKI Q
UniRef90_A5DL06 UniRef90_U1GEM2	ATGSLIFGGKDLAKIDGKLVTLPIVSNSRLSVKLNSVNIN EAGAYEFGNIDTSLFQG <u>ELALVPV</u> DTTRGF <u>W</u> EFNS <u>A</u> QFAV
UniRef90_J3Q636	G G E V V F G G V D E A H Y E G E I F Y A P V R R R G Y W E V E L K S V K F G K
UniRef90_W5L262 UniRef90_L8X4P3	FILINIVIA D F N M Y FIV L L L V <mark>C</mark> S N Q T N N S K IL V Q N V K N T R V Q V G S T
UniRef90_Q2GNR7	NDGQVTFGGNDKTKYKGEITYHTIGPDQKEKGEWDASLNG
UniRef90_E3Q340 UniRef90_X8J3D9	SRGSL LFGGVDTKHYKGELKTVPLQKQSGAFAEFLTTLTK RDSRGFYTFGFLDETVHCSKFYWQKLNKENGWWYLKLGDE
UniRef90_K5XYY4	RDSRGFYTFGFIDETVHCSKFYWQKINKENGWWYIKIGDE PGGVFTLGGINSTFINGDIDFVDLVADPQPSFWTDALVQG GTGVYEFGKLDATKFEGEMAWLPVKSETGFWQFPSTKFAI
UniRef90_E4ZRH6 UniRef90_UPI000455D077	NATEIVIEPGGIFIMGYYHAILIIMSPSWWIVLIDII II GII INIVIQGKPII I
UniRef90_UPI0003EC1150 UniRef90_G3VIE6	QGSAVTFGGVDTNHYSGSITWIPLSNELYWEITVDSVSGN PGGELLGGSDPKYYRG <u>TFH</u> YLNLSHPG <u>F</u> WQLQM <u>N</u> GVSVE
UniRef90_UPI000203A1CD	
UniRef90_R1G5F1 UniRef90_W9YYX7	FGYIIDQDVLKAAGVSEPYYVDVDNSQGFWQFQSTSATVNG
UniRef90_F9XJD5	QQGFFDLGHIDPTKHTGSINYVPVPDTRCLWTLTVSSAGS
UniRef90_E1GDS4 UniRef90_W0S086	F G Y I D Q D V L K A A G V S E P Y Y V D V D N S Q G F WQ F Q S T S A T V N G T F G G I D E G V V Q S S G Q P I S Y T P I D N S E G F WM F S S P S V V I N G Q Q G F F D L G H I D P T K H T G S I N Y V P V P D T R C L W T L T V S S A G S F G G I F T Y G A V D N V N C E D V I D Y E P L S S A T F WQ F R L R G V K A V D G S M L I L G G T D S S Y F T G N I Q W I P I S Q P T G Y WQ I H V D S I T I N S S A L E L G G V D T B Y M S E I V Q V V K I N T I D N N
UniRef90_A0E1W9	NSSALFLGGYDTRYMSSEVQYVKLDKTDSWSVKLNTLQMN
UniRef90_A8XDC0 UniRef90_O16339	DGSMLILGGTDSSYFTGNIQWIPISQPTGYWQIHVDSITINSSALFLGGYDTRYMSSEVQYVKLDKTDSWSVKLNTIQMNANNVFTYGALDTTNCGPVIAYQPLSSATYYQFVASKFTLGTVGELTFGALDTTHCQSQLNYVRLAYDSLWSYSLDGFSFG
UniRef90_F0Y569 UniRef90_UPI00027FB447	DRPSHLTFGDYDLGIVGDNATWHYTPVIKRGFGDFKYWTV DGGELVLGGSDPAHYIPPLTFVPVTVPAYWQIHMERVKVG
UniRef90_C5FW52	II ID G T K HIVIG K P T VII IPII ID SII IR G WWE T T E N G E S A G DII ID N S T V R
UniRef90_W5PCY6 UniRef90_F9FQ08	S
UniRef90_E9F7Q9	ASKSYNFGY DESQYSGPISYTPASTDELGHRLFQSTGFA APGAYDFGFIDPSKYEGNITYTPVYSSHGYWNLTVDSIGS GGVTPVFDHLLAQRVLTDDVFSVYYSRVSVRST
UniRef90_B6Q274 UniRef90_UPI000383CE19	G GIVIT PIVE D HILL IA O RIVLIT D DIVE SIVIY Y S RIVISIVIR S T
UniRef90_E3RJ23	GAGTFQFGFI DSTKYTGPI TYAPVDSSDGNWI FTASSI GS
UniRef90_UPI000455F945 UniRef90_X8J1A1	GAGTFQFGFIDSTKYTGPITYAPVDSSDGNWIFTASSIGS PGGEFTMGYVNTSLYTGDIDWQSIAGEPSFWLQTMSFLTV SGSELFIGGINPTKYKGEITYVPLESQRKWIVKGSAS
UniRef90_Q6CAK4 UniRef90_W2ZRS6	T D G A L V L G D Y D H A A V D G D I S WA D V Q S G T A L WK V S V D G A Y V T N G S E I H L G G Y D E N E M G S I Q A T W Q M T D V L P Q E G Q W T E W R I
UniRef90_W6NC61	LYNNAVGGGTDPTHYEGSIAWEKLTSESYWQLQLGGTIN
UniRef90_Q0V2F9 UniRef90_UPI0002035A3E	T D G A L V L G D Y D H A A V D G D I S WA D V Q S G I A L W K V S V D G A Y V T N G S E L H L G G Y D E N F M G S L Q A T W Q M T D V L P Q F G Q W T F W R I L Y N N A V G G G I D P T H Y E G S I A W E K L I S E S Y W Q I Q L G G I I N S T G S I L F G G V D T D K F H G T L Q T L P I L P E R G E Y G M G Q N G Q N T N G S F V F F G G I D S S H F T G N L S L I P L T A Q T Y W Q I K V D R I A M H D K H T G F L T G G I E E R F Y E G P L T Y E K L N H D L Y W Q I T L D A H V N T G Q I L F G G V N T D K Y H G S L Q T V P I L T L A G Q Y S A F L I S L D N D V H A G Y L T G G I E E K F Y E G N I T Y E K L N H D L Y W Q I D L D V H F E G S A L F I G G F D P Y Y A V S P F Y Y Y P L V Q D D F W T I G I N C V K F G G G V F T Y G A V D T T N C G P V I G Y Q P L S S A T Y F Q F K A S R F S L G N Y A T F G G I D P S A Y V G D I I Y V P V T R K G R W F V D I I K I S F D N F
UniRef90_P46925	DKHTGFLTLGGLEERFYEGPLTYEKLNHDLYWQLTLDAHV
UniRef90_U1FYW9 UniRef90_A5K1E7	N
UniRef90_Q22Z73	EGSALFLGGFDPYYAVSPFYY YPLVQDDFWTLGINCVKF
UniRef90_G0PHV3 UniRef90_B0DC98	NYAT <u>F</u> GGIDPSAYVGDLLYVPVTRKGRWEVDLLIKISFDNE
UniRef90_J3PHE1	NYATEGGIDPSAYVGDLLYVPVTRKGRWEVDLLKISFDNE NTGEVSFGGTNPAKYTGALSYTPVSDKANGDWAIPMDYDG SGSSLFLGGTNSAKYSSTPVYVSVDSNQGFWQVPASV SANVFTYGALDTTNCGPVIGYQPLSSATYYQFVATAFKLG GTSELYLGGTDTQYYSGDIEYHDTSSSGFWQIGTASGTIN
UniRef90_M9ME95 UniRef90_H2WHS9	SANVETY GALDTIN <mark>C</mark> GPVIGY QPLSSATYY QEVATAFKLG
UniRef90_J4GP15 UniRef90_A0D285	GTSELYLGGTDTQYYSGDIEYHDTSSSGFWQIGTASGTIN DEQSLFYYDELPNELMNNVEWVRVLRNDYWTVKVLSIEVN
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JURINGERO DAVIZO JURNINGERO DE POLOMO JURN	UniRef90_UPI0003C178D2	VIACSDG <mark>C</mark> EAVVDTGTSAIIEGPKK <u>LVKKI</u> QKLIGATPQGS
Jinkergo (JP0000194DD7) Jinkergo (JP0000194DD	UniRef90_Q4Y227	G S <u> </u>
Jinkengo (G2ROS) Jinken	UniRef90_UPI000194DD77	SQEIVIA <mark>C</mark> AGG <mark>C</mark> QAIIIIDTG
Jünkelgo (2291-FO) Jünkelgo (2291-FO) Jünkelgo (2291-FO) Jünkelgo (2491-FO) Jünkelgo (249		T T S A K Y S V L A V I D S G T T L I L A P A D Q A R A F WA A V P G S A P V A
JURINGERO JUPIDOO383AJABBO JURINGERO JUPIDOO383AJABBO JURINGERO JU	UniRef90_U7PUW1	GSGSFSSSII ADTGTTLLYLDLALVKAYYAKVSGASNSN
JURINGEYO JUPIDOO383AJABBO JURINGEYO JUPIDOO383AJABBO JURINGEYO JU		GSDLCSNCEALIDAGTSLIVVPSATLAALNQRFGLTAADK
JURINGEYO JUPIDOO383AJABBO JURINGEYO JUPIDOO383AJABBO JURINGEYO JU	UniRef90_K1VKP6	DVDLSGKPNVALDTGTTHILGPEEVVNKIYEKIPNSRPSA
JURINGEYO JUPIDOO383AJABBO JURINGEYO JUPIDOO383AJABBO JURINGEYO JU		SRHCKSGCKAJI MDTGTSLNVGPVLEVLJHLCNDIJGAVYNDT
JURINGEYO JUPIDOO383AJABBO JURINGEYO JUPIDOO383AJABBO JURINGEYO JU	UniRef90_B6QKT4	TFSASDCFNAI VDTGTSLLLLDHEI VQNYYAPIPSSQFSL
JniRef90_Q2GNR7		QTILTRTGNTAII ADTGTTLAIL VIGDDL CEAVY KAII PGAKMNT
JniRef90	UniRef90_UPI000383ADB0	AV VDTGVS MI KGPKTLVDNI QKLI GATLRGF
JniRef90		GKSLCSQCEAILDVGTSLIVAPSAALATINQQLGUTAANL
JniRef90	UniRef90_A0A022TNF6	NDNSTYRFKAV VDTGTTFMLLPRELTEQYYFSI TGSTFDR
JniRef90		GTVISRHRQAIIADTGTSLLIAAPPREYLLINSLLIGGLPTTN
JniRef90_Q2GNR7	UniRef90_R9XE44	SSVQGEGQGAI LDTGSSLTLLPTELFDKFNGALEAALGIN
JniRef90	UniRef90_B6Q9I3	GFYTFII DFQAVVDTGSSLLLFDDWMVSMYYTYVATAYYSY
JniRef90	UniRef90_A1CH14	WPCGFTNKSAFIDTGTSYAMLPPKDAIKIHNLIPGATTST
JniRef90	UniRef90_G1KH55	MILIFUHEGUTAAIVIDTGSSFIITGPASAIVISILLMKSIIGATLLEE
JniRef90	UniRef90_K3W8C7	D Q K L T N V N K A L V D S G T S L L A G P K D Q V A A L A K L V G A H K F L M
JniRef90		NYUGSQGUKGVVDSGTSLMTGPTAQIISEIINKKII KKAGIISGRRAYIIDTGTTVIIEGPPGDVSAII <mark>H</mark> KOIIPGAKSSD
JniRef90	UniRef90_U9TY87	KTVDVKGGEALIDIGITLVIJPPEDADAIHNALI PGAK
JniRef90	UniRef90_L9LAI8	GV V V A C N C O A I I D T G T S M I A G P S S D I I K I O M A F G A P T C V W
JniRef90	UniRef90_I1HQ45	FGLKFYLFVHEMCTVTSKLYPLQALVTQINKKIDSFPSPM
JniRef90	UniRef90_A2FIM5	DCPAGGKCAALLDTGTSMLIGPVSAMDVIMKNIDLDARCQ
JniRef90	UniRef90_L8J1D6	VIACSGCKPLVDTRTSLILGPRRLVNNIQKLISATPRGS
JniRef90	UniRef90_F6XDL1	SQIVVISCECDAIVVIETGSSFIITGPTDSIISELMKIIIGAEKHGK
JniRef90	UniRef90_G0SW51	GKPVVNNFNAI I DTGTTLI VIPTAAAQSFWAAVPNSAPYS
JniRef90		GRF <mark>C</mark> PNG <mark>C</mark> QA VDTGTS <u>LI</u> TGPSS <u>EI</u> KRLQEDIGASPTSH
JniRef90	UniRef90_U1GEM2	GDSAPQTASTLADTGTSLMLMDDELVEAYYAQVDGARLSP
JniRef90		E E M K L H N V G A A I D T G T S L I A L P T D T A E I I N A E I G A T K S W S
JniRef90_UP1000455D077 JniRef90_UP10003EC1150 JniRef90_UP10003EC1150 JniRef90_G3VIE6 JniRef90_UP1000203A1CD JniRef90_UP1000203A1CD JniRef90_UP1000203A1CD JniRef90_W9YYX7 JniRef90_F9XJD5 JniRef90_F9XJD5 JniRef90_E1GDS4 JniRef90_W0S086 JniRef90_A0E1W9 JniRef90_A0E1W9 JniRef90_A0E1W9 JniRef90_A0E1W9 JniRef90_A0E1W9 JniRef90_O16339 JniRef90_G16339 JniRef90_UP100027FB447 JniRef90_UP100027FB447 JniRef90_UP100027FB447 JniRef90_UP100027FB447 JniRef90_W5PCY6 JniRef90_UP100027FB447 JniRef90_UP10027FB447 JniRef90_UP10027FB447 JniRef90_UP10027FB447 JniRef90_UP	UniRef90_L8X4P3	ANILGSTVNAAIDTGTTLVGGPTSAIAAIFAQIPNSEPGT
JniRef90_UP1000455D077 JniRef90_UP10003EC1150 JniRef90_UP10003EC1150 JniRef90_G3VIE6 JniRef90_UP1000203A1CD JniRef90_UP1000203A1CD JniRef90_UP1000203A1CD JniRef90_W9YYX7 JniRef90_F9XJD5 JniRef90_F9XJD5 JniRef90_E1GDS4 JniRef90_W0S086 JniRef90_A0E1W9 JniRef90_A0E1W9 JniRef90_A0E1W9 JniRef90_A0E1W9 JniRef90_A0E1W9 JniRef90_O16339 JniRef90_G16339 JniRef90_UP100027FB447 JniRef90_UP100027FB447 JniRef90_UP100027FB447 JniRef90_UP100027FB447 JniRef90_W5PCY6 JniRef90_UP100027FB447 JniRef90_UP10027FB447 JniRef90_UP10027FB447 JniRef90_UP10027FB447 JniRef90_UP		KSAGLQSKLAYIDTGTSFIFAPPDDLAALFKLIPGTSSSQ
JniRef90_UP1000455D077 JniRef90_UP10003EC1150 JniRef90_UP10003EC1150 JniRef90_G3VIE6 JniRef90_UP1000203A1CD JniRef90_UP1000203A1CD JniRef90_UP1000203A1CD JniRef90_W9YYX7 JniRef90_F9XJD5 JniRef90_F9XJD5 JniRef90_E1GDS4 JniRef90_W0S086 JniRef90_A0E1W9 JniRef90_A0E1W9 JniRef90_A0E1W9 JniRef90_A0E1W9 JniRef90_A0E1W9 JniRef90_O16339 JniRef90_G16339 JniRef90_UP100027FB447 JniRef90_UP100027FB447 JniRef90_UP100027FB447 JniRef90_UP100027FB447 JniRef90_W5PCY6 JniRef90_UP100027FB447 JniRef90_UP10027FB447 JniRef90_UP10027FB447 JniRef90_UP10027FB447 JniRef90_UP	UniRef90_X8J3D9	LYDRGSDNTALIDTGTTLVLLDDETVEKLYSKVEGATYDE
JniRef90_UP10003EC1150 JniRef90_G3VIE6 JniRef90_UP1000203A1CD JniRef90_R1G5F1 JniRef90_W9YYX7 JniRef90_F9XJD5 JniRef90_E1GDS4 JniRef90_W0S086 JniRef90_W0S086 JniRef90_A0E1W9 JniRef90_A0E1W9 JniRef90_A0E1W9 JniRef90_A0E1W9 JniRef90_O16339 JniRef90_O16339 JniRef90_UP100027FB447 JniRef90_UP10027FB447		Q S I Q I S A G L S A I D I G I I L I G G P I D E V I R I W S A V P S Q E V G P
JniRef90_A0E1W9 JniRef90_A8XDC0 T Y T L A K N Y Q V I S D T G T S F L G G P K A V I A N L A Q T L G A T Y H S D JniRef90_O16339 N K W L L N D V S A L L D T G T S F L G G P K A V I A N L A Q T L G A T Y H S D JniRef90_O16339 N Y S R N Q T D T A I P D T T S S Y T G V P N L V L A E I V I A T G A Q Y D W N JniRef90_UP100027FB447 JniRef90_UP100027FB447 JniRef90_UP100027FB447 JniRef90_W5PCY6 JniRef90_W5PCY6 JniRef90_F9FQ08 G K K A D L G G R S F D T G T S F M F G S P D N V K K L H A L I D G A Q S S D JniRef90_E9F7Q9 VI A Y S G C E A L V D T G T S F M F G S P D N V K K L H A L I D G A Q S S D JniRef90_E9F7Q9 VI G N G N F K K H T I T D T G T S L L I L P L G V A K A Y W D A V P S A Q P Q N JNIREF90_E9F7Q9 VI G N G N F K K H T I T D T G T S L L I L P L G V A K A Y W D A V P S A Q P Q N JNIREF90_E9F7Q9 VI G N G N F K K H T I T D T G T S L L I L P L G V A K A Y W D A V P S A Q P Q N JNIREF90_E9F7Q9	UniRef90_UPI000455D077	SPPVGNYSQAI IDSGTSLLVGPQSSIDQIYAQIPGSTSWS
JniRef90_A0E1W9 JniRef90_A8XDC0 JniRef90_O16339 JniRef90_F0Y569 JniRef90_UP100027FB447 JniR		SNVIACODGCI VDIGISMI VGPQSNI DNI NAWLGASSQNG
JniRef90_A0E1W9 JniRef90_A8XDC0 JniRef90_O16339 JniRef90_F0Y569 JniRef90_UP100027FB447 JniR	UniRef90_UPI000203A1CD	T QL CK D GC Q GI VDT GT SLIT GP S A DIR AL HE AI
JniRef90_A0E1W9 JniRef90_A8XDC0 JniRef90_O16339 JniRef90_F0Y569 JniRef90_UP100027FB447 JniR		VALUEL PNNGALADT GTTL ML VIDDKTVE ALLYAAL PGAKYDS
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JniRef90_A0E1W9 JniRef90_A8ZDC0 N K V L I N D V S AL I D T G T S L I V V P T H Q F T Q L L S I L R D E Y K Q F JniRef90_A8ZDC0 N Y S R N Q T D T A I P D T T S S Y T G V P N L V L A E I V I A T G A Q Y D W N JniRef90_F0Y569 JniRef90_UP100027FB447 JniRef90_UP100027FB447 JniRef90_C5FW52 JniRef90_W5PCY6 JniRef90_F9FQ08 JniRef90_F9FQ08 JniRef90_F9FQ08 JniRef90_F9FQ08 JniRef90_F9FQ09 JniRef90_F9FQ		N G N T IVIA C A A G C Q A V V D S G T T E I L IG P T R DII N N I N G WIVIG A Y S
IniBetion B60274 A B SILVIV D E V A IL VID T G C SIL I I I D O VIL VIE M V V A SIL D S A V E S V	UniRef90_A0E1W9	NKVLINDVS ALIDTGT SLIVVPTHQFTQLLSILRDEYKQF
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IniBetion B60274 A B SILVIV D E V A IL VID T G C SIL I I I D O VIL VIE M V V A SIL D S A V E S V	UniRef90_W5PCY6	VIAYSSG <mark>C</mark> EAU VDTRAAFILEGLGTLANNMQKLISTTPQGS
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JniRef90_G0PHV3 KYLNAKVVDDVISDTGTSFLGGPSVVVDDEIAKQAGATYDIL JniRef90_B0DC98 ELDLESGITATIDTGASFIILPTTFADFLNSQIGAKRGTT JniRef90_J3PHE1 KKAGVTGRLAYIDTGTTYIFGPAADVATFHKSIPGAKLDA NSIGIESIVDTGTTTIVAPTSQAQALFNKLGLPTFTQ JniRef90_H2WHS9 JniRef90_J4GP15 SYSISKRYQVISDTGTSFLGGPNSVVSKLAEALGATSLGD JniRef90_J4GP15	UniRef90_A5K1E7 UniRef90_Q22773	GKQIMEKANIVI VIDSGTTTII TAPSEFILINKFFANIL NIVI KIVIPF ONOTENI SYAI VIDSGTPI I TGPSMI IMNAITEOSI IPNKGERI
JNIRE19U_BUDU98 EL_DLESGITATIDTGASFILLPTTFADFLNSQIGAKRGTT JNIRE190_J3PHE1 KKAGVTGRLAYIDTGTTYIFGPAADVATFHKSIPGAKLDA NSIGLESIVDTGTTIVAPTSQAQALFNKLGLPTFTQ JNIRE190_H2WHS9 JNIRE190_J4GP15 GETAVTGLDTVIDSGTTLMYGPTDAVEDFYNQAGATSLGD	UniRef90_G0PHV3	KYĽNAKŲ V DV LSDIGTSFLGGPS V V V DELAK QAGATY DĽL
JniRef90_M9ME95 NSIGNESIVDTGTTIIVAPTSQAQALFNKLGLPTFTQ JniRef90_H2WHS9 SYSNSKRYQVISDTGTSFLGGPNSVVSKLAEALGATYHKD JniRef90_J4GP15 GETAVTGLDTVIDSGTTLMYGPTDAVEDFYNQAGATSLGD	UniRef90_B0DC98 UniRef90_J3PHF1	ELLIDIL ESGILTATI I DTGASFILL LIPTTFADFL IN SQILIGAK RGTT KKAGIVITGRILIAYI I DTGTTYI I FGPAADIVIATEHKSI I PGAKILIDA
JNIKET90_H2WHS9 S Y S I S K R Y Q IV I S D T G T S F I L G G P N S IV V S K L A E A L G A T Y H K D JNIKET90_J4GP15 G E T A V T G L D T V I D S G T T L M Y G P T D A V E D F Y N Q A G A T S L G D	UniRef90_M9ME95	NSUGUEST VDIGITU VAPTSQAQALFNKLGUPTFTQ
3	UniRef90_H2WHS9 UniRef90_J4GP15	S Y S IL IS K R Y Q IV I IS D T G T S F IL IG G P N S IV V IS K IL IA E A IL IG A T Y H K D G F T A IV IT G IL D T IV IL D S G T T IL IM Y G P T D A IV IF D E Y N D A G A T S IL IG D
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UniRef90_M1V419 UniRef90_A1CH14 UniRef90_G1KH55 UniRef90_M5BS00	TAYKFPCAQASTLPDLMFKLPGTEHVIRPYLNYGTIDSEPAGDNFTLPCNS TAVVQFNFSGLSYSISPKDYVGPRKGSSRDYVVECKKIHLLPDISFHLGDRSYTLSGYAYVLQYSDYGGGDGYYTFSCSNPPSVAFEFNGASFAMSSSSLSIGTTDSSGEYLISCTEDAPDISFVLSGKTYTLTKDEYILKNGPLC
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UniRef90_W5L262 UniRef90_L8X4P3 UniRef90_Q2GNR7 UniRef90_E3Q340	G D E G Y Y L Y P <mark>C</mark> S T S V T I T M T F S S R T W S I D P A D F L L M R N S N T
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UniRef90_W6NC61 UniRef90_Q0V2F9 UniRef90_UPI0002035A3E	GTTYTVPCDSNG NLTVTFSGVDYVISPKDWVSPPNKDG AGYVWLFPCDTTLPDFVFAVGSGRVTVPGKDINYAKNEGS DMGGWAFDCRENIPPFSLNIGSHIGLLPGEYLKYKAI GDKYVVNCNQMPTLPDISFHLGGKAYTLTSADYVLQDPYNN AAGGYLVPCSATLPNFSLVVAGVKQTL PGTHLKWGENIG EWQGYYSYPCDTKVNVEFNFGGQTWPMSSADFEYTRISSS KGPGFFMFPCASAPRVSFKFGTREFPLAAEDFNPGTLENN GKNYAIPCDSTVSLELEVAGTKWAISPKDTUGFKYTDG GCYCFVQYGFQCFLCAPEDFPPLRIGVGGSHYYVLEGSDY GSIDCSTIPNLPLITFIIDGDQLEMFPLNYVIKYTDGC QGAAYVDCDANQQGSLDFVFSGVHLSVPLNELVVVAAVSR PTDLHTVRCSSLLSDIVFVIAGMQFPLPTGFYLQVNGSC LPFYVTLCNNSKLPTFFFTSENGKFVLLEPEYYLQHIEDPG AGSVIAVVPCNEEKTIDFTFSGIRISVPFNEVVLPFSKWDG
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UniRef90 _R8BVG8 ST_C F G G_L Q S S A D D D H W L F G D V A L K A A F V T F D Q G N R Q V G F L MIREf90 _UPI0003C178D2 UniRef90 _P10003C178D2 C F G X Y F R K_Y IS S S T E W H I G S A F L K N_Y Y T I F D Q G N R Q V G F R W I G I S S A F L K N_Y Y T I F D Q G N R Q V G F R W I G I S S A F L K N_Y Y T I F D Q G N R Q V G F R W I G I S S A F L K N_Y Y T I F D Q G N R Q V G F R W I G I S S A F L K N_Y Y T I F D Q G N R Q V G F R W I G I S S A F L K N_Y Y T I F D Q G N R Q V G F R W I G I S W I I S Y V T I F D Q G N R Q V G F R W I I S Y V T I F D Q G N R Q V G F R W I S Y V T I F D Q G N R Q V G F R W I I S Y V T I F D Q G N R Q V G F R W I I S Y V T I F D Q G N R Q V G F R W I I S Y V T I F D Q G N R Q V G F R W I I S Y V T I F D Q G N R Q V G F R W I I I S Y V T I F D Q G N R Q V G F R W I I I S Y V T I F D Q G N R Q V G F R W I I I S Y V T I F D Q G N R Q V G F R W I I I S Y V T I F D Q G N R Q V G F R W I I I S Y V T I F D Q G N R Q V G F R W I I I S Y V T I F D Q G N R Q V I I I I S Y V T I F D Q G N R Q V I I I I S Y V T I F D Q G N R Q V I I I I S Y V T I F D Q G N R Q V I I I I S Y V T I F D Q G N R Q V I I I I I I I I I I I I I I I I I I	320
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UniRef90 Q29LF0 UniRef90 Q29LF0 UniRef90 Q29LF0 UniRef90 R9XBP9 UniRef90 B4P3J1 UniRef90 B4W446 UniRef90 B4W446 UniRef90 B4W3J4 UniRef90 B4W3J	Α
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UniRef90_M4BDC8	Α
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UniRef90_E3Q340	A _A
UniRef90_X8J3D9 MSYGAVQSRGQNRQDILGDVWLKHVYVVFEQESPRVGV	Â
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UniRef90_F9XJD5	A A
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UniRef90_W0S086	A A
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UniRef90_Q22Z73	A A
HaiDefor PODCOO	۸
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UniRef90_V2XDI6	ASTAGLP MVN QQT DASY F GT VNI GTPPFS V L DT GSSDL W
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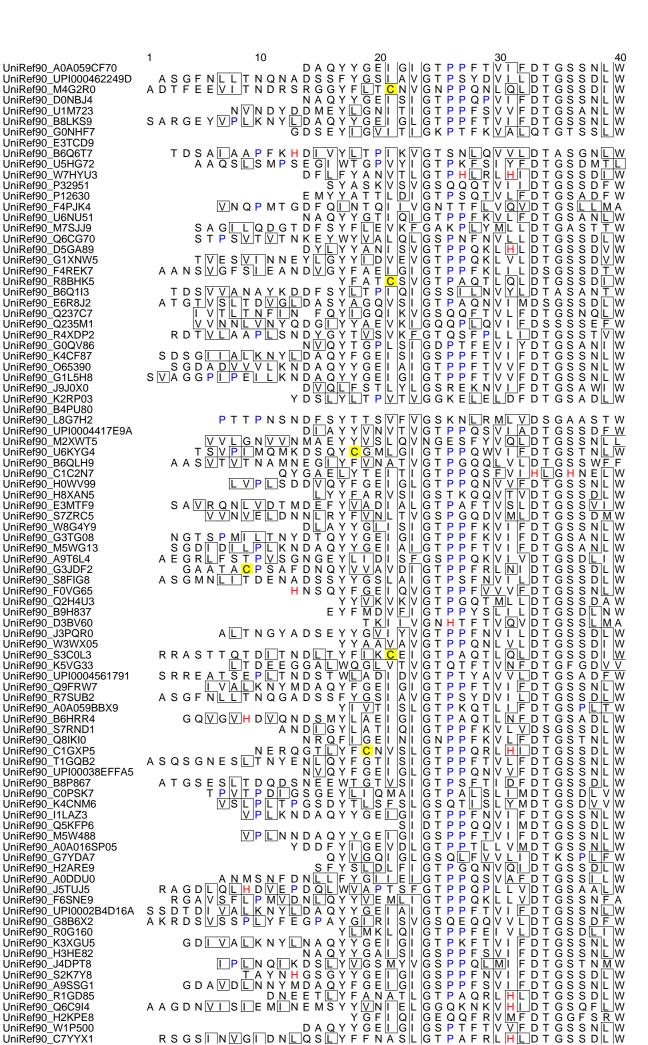
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UniRef90_W6MT16 UniRef90_W6MT16 UniRef90_S8BAL4 UniRef90_Q6CC31 UniRef90_H6W9J3 UniRef90_UPl0003C15283 UniRef90_UPl0003C15283 UniRef90_UPl000455F00A UniRef90_K3WP14 UniRef90_W9XPX2 UniRef90_B8MBN5 UniRef90_A0D1R0 UniRef90_V5E3N1 UniRef90_M3INT6 UniRef90_M3INT6 UniRef90_G3JIB3 UniRef90_G3JIB3 UniRef90_W5PCA7	I E Q Y Y Y D C D E I A D T T I S F D F T G A K I E V P L K S F T F K Q F G K C L P C S L T N D G H D Y V H Y R F G G H N G P V I R I P M E E L D I W T D I D G D G A W S I A C D A K P E L T Y E W G N T K L D V D M A P Y I R K R A R G D T V G G V T F P C N Q Q L P D L K V A M G D T Y M T V R G D D L N Y A P V D N T P C Y N V S G V S K V E L P E F A I T F G D G A V W N F P K E N Y F I R L D A E G E Y I V D C Y D T Q R M P T L T F T I S G N Q F D L P P S A Y I L Q T Y C S V D G T Y T V A C D A A L S G S I T L G G T S F A L A A D T L V L E S D E S G C Y C G F V E Y G F Q C F L C S P Q D F P P M R I G V A G K H F Y V L E G E D Y V G A A Y A P C S S S S S A T I D F T F S G Q T I R V P Y N E L F L M T F Q N G Q V G G F I F P C D A T L P T L S I A V G D N N L A T V P A S V I N F S K V S N C S N L N Q L P K L T F K I D G V E Y D L E S K D Y I M E L K D D G N G Y Y S F P C S S S V D A T L T F N G M Q Y T I P D S D F L A G T L D N S A N G N A F Y L V D C N L P E F T F D K G A K I V V P S S E F A G A L Y T D G R C E Q F P A L P D I Y F E L G K H L R L T K H D Y V E V K T N P K G A Y F S F G F G G S Q G P M I N V T M D E L V L D S A G V N M S N G K H K S T V H Y V S C S V N T L A S L I L T I N G I N Y P F P A Q A Y N L K K D S R G H C
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UniRef90_Q4PBB6 UniRef90_A1DBX9 UniRef90_V9LTR2 UniRef90_N1JI24 UniRef90_H8X150 UniRef90_K5W602 UniRef90_UPI00044144C3 UniRef90_UPI0002B45A4D UniRef90_UPI0002B45A4D UniRef90_G2QDM7 UniRef90_F1MD91 UniRef90_F1MD91 UniRef90_D2I0K5 UniRef90_F0UR00 UniRef90_J3KDA9	K G F Y S I P C E T N I V I S I R F S G M T W N M D H R D F V I K E G E N C V G A A Y A N C S A S S D A T L D L T F S G Q T I K V P Y N E L L L D T F E N G Q G G Y T I P C T T T A Q V A L T F G G K E F P I D T R D M L F L P V D A D Y N V P V L P C M K D R D I T L T F D F S G V R I N V S I H E L V L N D M D G D G Q Y S V E C S A V P T L P A I V L T I G G K E W V L R G K D Y I I G D D S T C I G A V V V P C A S G T L N Y G F G G L G G P I I K V E V S D L V L P T F K N G D L N N E L Y L I D C D A N P Q G N F D N G A K I T V P L S E F I L Q S T S N S Y G G G F Y T Y P C A S P V T S S L V F S G R P Y M I H Q D D M N L S D D C V G S G Y Y A A P C E S L S S G T I A L V F S G Q P F A F N I N D F N L G R K S S G E G A A Y V E C S A R S N T S L T F S F S G L H I A V G M D E L V L P Q F Q N G F D T C Y D L S G K T T V K V P T V V L H F R G A D V S L P A S N Y L I P V D G P C D T P L T Q G Y L C T D C I H A S F P S L T F Q F T P H G P P F T L Q A T D A A G G T T F P C N V T L P D L V L D V G G Y A A R V R G A D I N F G T F Q G D K H Y I S C S V V N T L P D L V L D V G G Y A A R V R G A D I N F G T F Q G D K H Y I S C S V V N T L P D L V L D V G G Y A A R V R G A D I N F G T F S N G D Q Y F T I P C D T N L S L E I E I S G A R W T V S P K D Y V G S R N G D S Y N V H L S K F A A K P T G N F A F S I G G T L F E L T P D Q Y L V P Q D E Y S G T L S C S A M S S L P N I V F N I N G I E F P V P A S A Y I T D N S G S C D T K T W R C A N V D A M P A V S F I M G G N C F S L G P R O Y I D O V G S D G D T K T W R C A N V D A M P A V S F I M G G N C F S L G P R O Y I D O V G S D G D T K T W R C A N V D A M P A V S F I M G G N C F S L G P R O Y I D O V G S D G D T K T W R C A N V D A M P A V S F I M G G N C F S L G P R O Y I D O V G S D G D T K T W R C A N V D A M P A V S F I M G G N C F S L G P R O Y I D O V G S D G D T C T D C I T C T D C I T C T D C I T C T D C I T C T D C I T C T D C I T C T D C I T C T D C I T C T D C I T C T D C I T C T D C I T C T D C I T C T D C T C T D C T C T D C T C T D C T C T
UniRef90_UPI0004414513 UniRef90_UPI000388E575 UniRef90_I0Z2F5 UniRef90_S2JJI0 UniRef90_W9CJW1 UniRef90_C4XY80 UniRef90_J4H1C3 UniRef90_H3F0F5 UniRef90_W6L924 UniRef90_W6L924 UniRef90_M1XFD0 UniRef90_M1XFD0 UniRef90_W9VE72	DYAYANENDFSVVFEFSVSDSDKTTLITIPVNELVEPVDNNNTWTVPCST TTPISFTFSGVTYNVSSKDWVGPSVNGVDQGMYVVPCSQSTDSISYYFSGVEIVVPIRDLLYQYDQQYDGFYSFPCSTTVNVTLSFGGKSWPINPNDMNLGQVQGNRNELYTVPCTGSYPDMIFTIGGKAYNIPSSEYVLDLELGKGLYIVERQYLPILPSIALEIDGTQWILSGEDYTLDSEDGK
UniRef90_ASPZM4 UniRef90_ASPZM4 UniRef90_G0NA07 UniRef90_B6QHY1 UniRef90_E8NJ21 UniRef90_E5A0D4 UniRef90_U6PIP6 UniRef90_B8MQV3 UniRef90_G9PAL4 UniRef90_G9PAL4 UniRef90_T1HPQ4	GT GAYLIPCSLSNGTGTISYGGIT QVPLANIDDFDDPSGAGGALHGAFDCKPPKLDFEFAGQKFNLGENQVSFGKYQGQNDSYLVPCKAKNLPALKLKINDMELQIDPINLIAHDATECQGGFTIPCTTDAQIAFTMGGQSFAIDPRDLLFVPVNQNEHGGWIFDCHDLPSFSVRLGNYKITIPGPYLKYTEIPGTGDGSFQLPCNTPSFQVTFSFGSSAWSIDSTDLLIPQYNNSQGAAFVSCDANQQGSLDFVFSGITISVPINELVIVASVSRDCSEVSHYPIFTLDEHEFTLEGKQYFVEKPDGLCHLSGLAVFTTKPTSNFGITYSLTPSQYLIPTAQYSYYGLSSGFVPCSIRNVNGHFSFTFAGADGPKINVTMAELALDLFSGGFTKKPTANFGIKFGSTTYTLTPAQYLIPTAQYTNFGLSSG
UniRef90_Q9XFX3 UniRef90_G0VCV9 UniRef90_A0E2S5 UniRef90_B8MTR9 UniRef90_M3XZ02 UniRef90_E3L1T6 UniRef90_H6CAC6	QQC NGYYTISCDAMQDTTTKLVFDFGGFHINATLADFVVQ SGNY PTMPDITFVIDGHDYVLSPKDYILTITQSGTQTQTGYVPCSMMENINITYTFTSPSIPVGISELVLDTFNDGGAFVVNCNSLQSLPTITFVISGTPLPLPPSTYVLKRDGLWKFPCVSAPSVSFSWGGGQWAIDPKRMSLGKVEANGSYAVPCKFSNLKGSLNYSFGGVSQVIGNQIFPGKNFNDK

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UniRef90_B3N8V0 UniRef90_M3BCY5 UniRef90_Q4WDN4	G Q E	
UniRef90_A8WQ37 UniRef90_F0VFK9 UniRef90_Q9Y775	CVFAVFRFDSGGPAWILGDPFLRQFCNIYDLGGKRMGFAGAPCLFGMMGPLGRTWILGDLFMRNVYTVFDYDNKQIGFAGNCHLGLGR APYFILGDNFLRSAYAVFNLDDKTISLA	
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UniRef90_R9AN05 UniRef90_D2DS69 UniRef90_R7SX74	T C Q G A I F A L S S G S T Q WV L G D T F M K N Y Y T V F R Y S P P A V G F A G Q C M F G M F G M D I G M S F I L G D P F I E S Y C N I Y D F G N Q R I G F A N I C I G S F S A G S Q V P P W I V G D V F L K N V Y S V F R A T P P S V G F A	
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UniRef90_D7FJG5 UniRef90_H3E409 UniRef90_A5DL08_	DUNDEGUT NUGDEEN LEGDEENKSATILVIDEDADIIISE	
UniRef90_H6W9F7 UniRef90_W9YA13 UniRef90_G3N0Z2	GVT CFGGLQATTSNLQI EEACSFAVQAAGDNPI LFGDAFLRSAYVVYDLENQELALA FSTFRGTEEDNNSETWLLGDLFLRLYFFVYD	
UniRef90_M4CPL4 UniRef90_U9UQB9 UniRef90_W9YNQ1	KSVF SDAVTDFWQLGTPFIRAFHTVWDYQTPKVGFAFGSIQGIDTGSDT AWIIGIPFIRAFHTVWDYQTPKVGFAAQACLFGVAPASGSTPVLGDTFLRSAYVVYDLANNEISLANLTGDCVSAISAGNVWLVGATFLKNVYFATNTEANKIGLATVLCVFGIYTSTSGIPVLGDTFLRSTYVVFDLANRETSMASRHVDGELVRVDLTTKTYWDVFMKRVYTVFDADDASLSFA	
UniRef90_Q4PBB6 UniRef90_A1DBX9 UniRef90_V9LTR2	N L T G D C V S A S A G N V W L V G A T F L K N V V F A T N T E A N K L G L A T V L C V F G L V T S T S G L V F V L G D T F L R S T V V V F D L A N R E T S M A S R N V D G E L V R V D L T T K T Y W D V F M K R V Y T V F D A D D A S L S F A S R V V T V F D A D D A S L S F A S A V T V F D A D D A S L S F A S A V T V F D A D A S L S F A S A V T V F D A D A S L S F A S A V T V F D A D A S L S F A S A V T V T A	
UniRef90_N1JI24 UniRef90_H8X150 UniRef90_K5W602	CVWGLQSSDRANDP PILGDNFLRHAYVVYNLDKETISLA GIIGISSDYGLPANLALIGDVFLKSWYVTFDYAGSRLGLA	
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UniRef90_J4H1C3 UniRef90_H3F0F5 UniRef90_W6L924	CYLGMIDSGDGTTILGDTFLKSAYVVYDFDNLEIALAQCIGSAVSSGDGNPNWVVGDTFLKNVYSVFRSSPASVGFAGNCALTLFEENGGGFWTLGDTWIRTYCQIHDVGQGRIGFACFMLPITGHLPNGKSWIFGHVFLKHIYTVFDADKSTLSFA	
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UniRef90_B6QHY1 UniRef90_F8NJ21 UniRef90_E5A0D4	PLCYGGLQKSPHDDYGILGVMLLKTQYVIFDARRPRVGFS AMCNNVNPSDSNSPSWVIGEPYLRNVYSVFRQSPPSVGFA GQEICILGIPAGNSVSVLGDTFLRSAYVVYDLANNEISIA	
UniRef90_U6PIP6 UniRef90_B8MQV3 UniRef90_G9PAL4	A F Q K I P N N G V L D A D Q WI L G Q A F M G K F Y T I F D Y A N K S V G F A K Y Y A WI S D G G S S G V D T I I G Q K F L E N Y Y S V F D T T N S R I G F A S V C E F G I Q N T T G S P F L L G D T F L R S A F V V Y D L V N N E I A L A	
UniRef90_F9F8A2 UniRef90_T1HPQ4 UniRef90_Q9XFX3	KŸŸĀWĬFĎĠĠŚŚĠŪŊŦĹĬĠQĸFĹĖŊŶŸŚŮŸĎŤŤŇŚŔĹĠFÂ	
UniRef90_G0VCV9 UniRef90_A0E2S5 UniRef90_B8MTR9	TSTCFLSIIPQNSSSAILGDTFLNNAYVVYDLDNLEISMA VEAPYHHSSMDQGPLWILGDVFITKYSAKFDRDKNRVGLA TPACVFGLAPASDSTAVLGDTFLRSTYVVYDLSKNEISLA	
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UniRef90_A8WQ37	P
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UniRef90_Q5AEM6	Q
UniRef90_UPI0003AF404 UniRef90_Q92389	C P QAA
UniRef90_B6QLX8	□ Κ Α
UniRef90_UPI00045609BI UniRef90_B9I6C6	D
UniRef90_W6MT16	Q A
UniRef90_S8BAL4 UniRef90_Q6CC31	Q K A
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UniRef90_B8MBN5	SPA
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UniRef90_M3INT6	Q
UniRef90_Q9LQA9 UniRef90_G3JIB3	E A
UniRef90_W5PCA7	Q <u>A</u>
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UniRef90_D2DS69	_
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UniRef90_F0XHL4	QTS
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UniRef90_I0Z2F5 UniRef90_S2JJI0	P A A P
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UniRef90_C4XY80 UniRef90_J4H1C3	Q A A Q L
UniRef90_H3F0F5	RA
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UniRef90_M1XFD0	QA
UniRef90_W9VE72 UniRef90_A8PZM4	Q A P S S
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UniRef90_A0E2S5	
UniRef90_B8MTR9 UniRef90_M3XZ02	Р
UniRef90_E3L1T6	Ţ
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UniRef90_D0NBJ4 UniRef90_U1M723	V P D K K F G S H N V Y D H D K S S T Y K P N G T A F D L MY G S G P V P D S T C D K S S P S C A D K C L D Y K W L C P L V C A Q E C C S T Y E W N A
UniRef90_B8LKS9	V P D S T C D K S S P S C A D K C D Y K W C P L V C A Q E C C S T Y E W N A V P S T K C Y S I A C Y F H S K Y K A S Q S S S Y C V N G K P F N I Q Y G S G S L P A P E A D S S C N N K T H F N P K T S D T F R L T G R N F D L T Y G M Q D R
UniRef90_G0NHF7 UniRef90_E3TCD9	PAPEADSSCNNKTHFNPKTSDTFR TGRNFD TYGMQDR
UniRef90_B6Q6T7	TYTAETPYVESHATYNPASGRUMKDYYWKSINGRGVVFQR
UniRef90_U5HG72 UniRef90_W7HYU3	A S N K C P N S S C G S K T R Y N V G Q S S T G K S T G G Q V E T N Y V D G T T V E T P T S A L C C E V G G T Y N N K T S S T Y E Y V P G D F A L T Y V D G Q Y
UniRef90_P32951 UniRef90_P12630	VETPTSAICCEVGGTYNNKTSSTYEYVPGDFAITYVDGQY VVDSNAQCDCKSSGTFTPSSSSSYKNLGAAFTIRYGDGST VMDSSNPFCRSMSTYNEHRSSTYQYLENGRFYITYADGTF
UniRef90_F4PJK4	I PLEGCNTCVESRPVYHPSSTSTKVACSCDFQLRYGDGSH
UniRef90_U6NU51 UniRef90_M7SJJ9	V P C S N C P Y T N K A C A Q H Q K F D C A Q S S T C T L T Y Q P L P L H V M G H D C E S D A C T K H D S F G P D D S S T F K D T G S S F S I M Y G T G E V Y A S N D T Q D C E N N A C A F T G T F N A D Q S S T Y Q F L N D D F S I H Y V E T M N S Y I C Q R P Q R P C R R T G T S T Y E K V S D D F D I S Y V D G E Y
UniRef90_Q6CG70 UniRef90_D5GA89	VYASNDTQDCENNA <mark>C</mark> AFTGTFNADQSSTYQFLNDDFSI <mark>H</mark> Y
UniRef90_G1XNW5	
UniRef90_F4REK7 UniRef90_R8BHK5	VPLPECVNI DDSRKGCNHATESSTLRLTSDNFTLTYGTGK VPYSQASVCCTFGSFDPDSSSTFDNVGEGEFSLSYVDGSH AYTAHTPGVGSHATYN SQSGTLLTAYYWKAKNGHGVI
UniRef90_B6Q1I3 UniRef90_E6R8J2	AYTAHTPGVGSHATYN SQSGTLLTAYYWKAKNGHGVI
UniRef90_Q237C7	VAGSACT DNFCKQTYTFDTNASSSFTASSDAFN TYGSGDLPQDQCQCTFANSRYTCQTNTCSNTTQDL AYGQGK
UniRef90_Q235M1 UniRef90_R4XDP2	I A S S K C Q S C V I A Q M Q T Y D C K V E D L C I T Q E E Q L V Y Q F E T G F V F D A A V R S D Q G G K L R Y H A N S A A K L V S G M K _ W E S G Y S D G G L
UniRef90_G0QV86 UniRef90_K4CF87	I D S K Q C S D I G C R N R K Q Y D H Q K S S N Y H A I N L Q L D V Q F G T G E V P S K C H F S L A C Y L H P K Y K S S H S S T Y K K N G T S A A I H Y G T G S
UniRef90_O65390	V P S K C Y F S L A C L L H P K Y K S S R S S T Y E K N G K A A A I H Y G T G A
UniRef90_G1L5H8 UniRef90_J9J0X0	VPSKCYFSLACLLHPKYKSSRSSTYEKNGKAAAIHYGTGAVPSLHCKDLACWIHHKYNSDKSSTYVKNGTSFDIHYGSGSVCSENCEACRPQSRYSEGLSKTYRKVSDDPLLITYGTGQV
UniRef90_K2RP03 UniRef90_B4PU80	VFSTSLSTSTQSGHAVYDPSVSGTELEGSTWNLSYADSSG
UniRef90_L8G7H2	VMGSTCTNSPCQIHELYGPADSDKYKPSTTTFSFQYGTGN
UniRef90_UPI0004417E9A UniRef90_M2XWT5	V MGST CINSPCQI HELLY GPADSDKY KPST I I FSFQY GIGN L GAPGSL GLNNVF DPSSSSTY DPSTL PINLQY GEGF I STTNCSHCQSSDCCQQSSSCCSKQDPSL GV V EYGSGF V VGSKCEDDT CTKVTRFDPSKSSSFQYTSPPV HLDLTFGR GPNSCNAQTSDCL GGLY DPSKSSTVQL FEFFLQY GTPNSS V PSSTCPNVP CKTHNQY DSGNSSTHV KDGSKFNVKY KLGK V PR CHFFSVP CWFHHR FNPNASSSFQPNGTKFALEY GSGR FPSNDATCSDCKSL GSFTPSL SNTFHNSTSVNNNY GDGDG V L DSHCDSQNC HEYTL NHTMKSAY NNETSSSFVFYY SQSE V NVPNSDY CSSPACNNHDKFNPSTSSTYRNSGKSL QLOYGTGS
UniRef90_U6KYG4 UniRef90_B6QLH9	V V G S K C E D D T C T K V T R F D P S K S S S F Q Y T S P P V H L D I T F G R
UniRef90_C1C2N7	VPSSTCPNVPCKTHNQYDSGNSSTHVKDGSKFNVKYKLGK
UniRef90_H0WV99 UniRef90_H8XAN5	F P S N D A T C S D C K S L G S F T P S L S N T F H N S T S V N N N Y G D G D G
UniRef90_E3MTF9	VLDSHCDSQNCHEYTLNHTMKSAYNNETSSSFVFYYSQSE
UniRef90_S7ZRC5 UniRef90_W8G4Y9	VPSLYCSSPACNNHDKFNPSTSSTYRNSGKSLQIQYGTGS
UniRef90_G3TG08 UniRef90_M5WG13	V P S L Y C S S P A C N N H D K F N P S T S S T Y R N S G K S L Q L Q Y G T G S V P S S K C S P T A C E T H N R Y D S S E S S S Y V E N K M E F T I N Y G S G K V P S K C H F S V A C Y F H A N Y K S G K S S T Y K K N G T S A S L Q Y G T G A
UniRef90_A9T6L4 UniRef90_G3JDF2	VPSKCHFSVACYFHANYKSGKSSTYKKNGTSASI QYGTGA TQCLPCETCNAAASVIFDPVKSQSCTTSCKYDYMYGDGSS VYGSSIPSSFLLGQAQYDPAQSSTSRLVPLVVWLAGYINL VASTTNSNIPQDIATFSEQSSSTFKSLNQSFTL TYDSGE IPASECKRGCMPHTRFDPKTSSTYLPINPAIAFI QYGTGA VLGHDADLCPCADTYNPDLSSSEKMIKRGGFKITYLDGGT IQCVPCHDCFEQNGPYYDPKESSSFNQTCPYFYWYGDSSN IPMVNCNTC HDRPSYDPTHSQYSKOSFSECSFS
UniRef90_S8FIG8	VASTINSNIPQDIATFSEQSSSTFKSLNQSFTI TYDSGE
UniRef90_F0VG65 UniRef90_Q2H4U3	
UniRef90_B9H837 UniRef90_D3BV60	I QCVPCHDCFEQNGPYYDPKESSSFNQTCPYFYWYGDSSN
UniRef90_J3PQR0	
UniRef90_W3WX05 UniRef90_S3C0L3	L L S T D A D L C Y C L P T Y E P D D S S T Y K L V D R N G F D I S Y V D G T G V P A S D A S V C E T S K S N G G C S S S T F E V V G K D E F S I S Y V D G S H
UniRef90_K5VG33 UniRef90_UPI0004561791	L LSTDADICCY CLPTYEPDDSSTYKL VDRNGFDI SYVDDGTG VPASDASVCETSKSNGGCSSSTFEVVGKDEFSLSYVDGSH LPGTACTS ACKGRTQYNPIASKSAVDRREAFKWTSPDGD L DKGSFDPAASSSFTNSTTAFDLTYGSGD VPSSKCYFSVPCYFHAKYKSSLSSSYKKNGKSADLHYGTG LAAADGVSSSNGLPTFNNNLNTAFSLSYGSGA TQCQPCVSCYTQSDPIFDPSHSGCSRSTCLYGIQYGDQSS VWSTELSSNKNHRVFDPTKSSTFEEKDGSTWQLKYGDGSF VNCAANGGGSCGNHTFIGSSSSSTSFNDTQKTWAIITYGSGF LPSKNCFTRACYNKRKYDHKISKNYKLVKKKDPVELIFGT
UniRef90 Q9FRW7	V P S S K C Y F S V P C Y F H A K Y K S S S S Y K K N G K S A D I H Y G T G
UniRef90_R7SUB2 UniRef90_A0A059BBX9	T Q C Q P C V S C Y T Q S D P [] F D P S H S G C S R S T C L Y G [] Q Y G D Q S S
UniRef90_B6HRR4 UniRef90_S7RND1	VWSTELSSNKNHRVFDPTKSSTFEEKDGSTWQLKYGDGSF
UniRef90_Q8IKI0	I P S K N C F T R A C Y N K R K Y D H K I S K N Y K L V K K K D P V E I L F G T
UniRef90_C1GXP5 UniRef90_T1GQB2	I P S V N C I N C N A L T A Y D S S N S S T Y W P N G N V F S I A Y G K G Q
UniRef90_UPI00038EFFA5 UniRef90_B8P867	CNVPHSSLCSQADKPCASAGTYDSSASSTYMFLTGATLEA I PSVNCINC NALTAYDSSNSSTYVPNGNVFSIAYGKGQ I PRCHFFSLPCWFHHRYNPKASSSFRPNGTKFAIQYGTGR VPSSSCSGCQAKHSYDPSSSSTSSEQSGT FQISYGDGSQ TKCNPCTDCCQSSLCQPPSIFSCNNDGDCEYVYPYGDRSS LPCHPFDCILCEGKYNPTSIPNPGPINLTSAVPVSCKSRA
UniRef90_C0PSK7	TKCNPCTDCCQSSLCQPPSIFSCNNDGDCEYVYPYGDRSS
UniRef90_K4CNM6 UniRef90_I1LAZ3	VPSSKCYFSIACYTHHWYKSKKSKTYTKNGTSCKI YGSGS
UniRef90_Q5KFP6 UniRef90_M5W488	VAEKGCTADFCSKTYTFDASNSFTFETERKQFSI AYGSGN VPSKCYFSI ACYFHTKYKSSKSSTYTAI GTSAKII TYGSGS
UniRef90_A0A016SP05	DACNGYPESGYTRHKFNTNESSTFHAEEEDFAEQYGSGFC
UniRef90_G7YDA7 UniRef90_H2ARE9	V T GSNNPY CNGSTFSDT VPSRSTWSSNNSRFF [QYGDTTF
UniRef90_A0DDU0 UniRef90_J5TUJ5	VPSVKCKNCQQTILTFSPDESETLKQTHQTI TIQYA AFSTKCQGCGTGAFDVTKSSTFVNTSFPASYAYGSG ATT
UniRef90_F6SNE9	VA GVPH PYVTSYFDFEKSSTYRSKNUNUNVKYTQGSWT
UniRef90_UPI0002B4D16A UniRef90_G8B6X2	L P C H P F D C I L C E G K Y N P T S I P N P G P I N L T S A V P V S C K S R A V P S S K C Y F S L A C Y T H H WY K S K K S K T Y T K N G T S C K I Y G S G S V A E K G C T A D F C S K T Y T F D A S N S F T F E T E R K Q F S I A Y G S G S D A C N G Y P I S G Y T R H K F N T N E S S T F H A E E E D F A L Q Y G S G F C V P S A L A P P N T W P G H S K Y D P G A S L Y H V P S P R Q F R V D Y Q T G Y V T G S N N P Y C N G S T F S D T V P S R S T W S S N N S R F F I Q Y G D T T F V P S V K C K N C Q Q T L T F S P D E S E T L K Q T T L Q Y A A F S T K C Q G C G T G A F D V T K S S T F V N T S E P A S Y A Y G S G A T T V A G V P H P Y V T S Y F D F E K S S T Y R S K N L N I N V K Y T Q G S W T V P S A K C F S V A C H F H A R Y K S S R S S T Y K K N G T S A S I R Y G T G A V L D A N S S C T C K K Y G T F D P D T S T S F N Y L G F L F A I V F G D K T S T Q C L P C P N C Y D Q Y A P F D P S K S F C L G H S C P Y E I V Y E D G T Y V P S S K C Y S M A C Y F H A R Y K A G Q S N S Y K K N G K P A S I R Y G T G A
UniRef90_R0G160 UniRef90_K3XGU5	TQCLPCPNCYDQYAPIFDPSKSFCLGHSCPYEIVYEDGTY VPSSKCYSMACYFHARYKAGQSNSYKKNGKPASIIRYGTGA
UniRef90_H3HE82	VPNKKFGA HKWYDHDASHTYKANGTEFKI QYGSGP
UniRef90_J4DPT8 UniRef90_S2K7Y8	V VS S K C T T DICKS H Q K F D F L A S N T Y E Y I S G N D E E D Q V D E D
UniRef90_A9SSG1 UniRef90_R1GD85	V P S S K C T T D I C K S H Q K F D F L A S N T Y K A N G T E F K I Q Y G S G P V V G T N C D S E T C K K V K R F N P S L S N T F K A L A K P K R I H I R F G T V V S S K C T T D I C K S H Q K F D F L A S N T Y E Y I S G N D E E D Q V D E D V P S A K C Y S L A C Y F H R R Y K S S K S S T Y K E D G T S F A I Q Y G T G S V N T D A S S L C S D S S S T Y N A N D S S T Y E Y V N S L F N I S Y V D G S G
UniRef90_Q6C9I4	V WNS QS QT C QS D QY K D Q C P K S S T S K D L G S T F H L QY G K G H V P S S R N L F P N R V K Y D E K S P T R T S L E K R Y V A S Y S G K R Y E G N V P S K C Y F S L P C Y F H S K Y K A S K S S T Y T K I G N S C E I H Y G T G S V N A N N S T L C S T P A D V C S T S K S S T Y K F V S S E F N L T Y A D G S G
UniRef90_H2KPE8 UniRef90_W1P500	V
UniRef90_C7YYX1	V N A N N S T L C S T P A D V C S T S K S S T Y K F V S S E F N L T Y A D G S G

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UniDetOO LIAM733	/ L G K F
UniRef90_U1M723	DTVR AKFDG
UniRef90_E3TCD9 MT G Y L G Y D T V T V G G I S V Q N Q I F G L S E T E A P F M A S M T UniRef90_B6Q6T7 VY R D T V C I G Q H L T Y H D Q A V Q V V D V V E P I T Q A L N P N F	TADGE RPYDG
UniRef90_U5HG72	FSDG FGFE FSNEA
UniRef90_P12630	_ G G F A D G B F <mark>C</mark> A
UniRef90_U6NU51 Y GTGSLQGYVDYDVVCFGTNQRYCTNSYQC UniRef90_M7SJJ9 VSGNLVTDSMSVAGITTTLDFGLANVTSSEFSRFPF UniRef90_Q6CG70 VSGNWGTDTLHIGGVSLTDFQFAAAASAGGGQGVLC UniRef90_D5GA89 ARGEYGKDVFTLSGGVKVAGLQFGVGLESTSTDGLN UniRef90_G1XNW5 ARGDFVTEKFSFANHTIPDLQLGLGGYE	EGIL SISLQ MGLGE
UniRef90_G1XNW5 A R G D F V T E K F S F A N H T I P D L Q I G I G Y E I N D S A UniRef90_F4REK7 V K G V I V E E T L I I G G L I L T N H A F G G A K S E S K E F A G K N UniRef90_R8BHK5 S K G D Y F T D A F Q I A G A N L S N V T M G L G I N T D I P Y G L V C	NIVIPED
UniRef90_B6Q1I3	OPFDG
UniRef90_Q237C7 VK G Y N S K D L I T V G N K S T F Y P F L S V F Q A Q D L D G F Q S C UniRef90_Q235M1 UniRef90_Q235M1 UniRef90_R4XDP2 A K G N K H E D T M R L G N Y Q V K L N L P V A Q H A T G F A A M S C S	NGVFG NGVFG NGVFG
UniRef90_R4XDP2 UniRef90_G0QV86 UniRef90_K4CF87 UniRef90_O65390 UniRef90_G115H8 L S G Y E S N D N V K V G D L V V K D Q D F I E A T K E P G I T F V V P UniRef90_G115H8 L S G Y E S N D A V T V G D L V V K D Q E F I E A T K E P G I T F I A A I C F A A M S C S V E I E K Q D F I E I Q K Q I G A V F Q D A I I S G Y F S N D N V K V G D L V V K D Q D F I E A T K E P G I T F V V P UniRef90_G115H8 L S G Y L S Q D T V S V P G V K V E R Q T F G E A I K Q P G I T F I A A I C F A A M S C S V I S Q D T V S V P G V K V E R Q T F G E A I K Q P G I T F I A A I C F A A M S C S V I S Q D T V S V P G V K V E R Q T F G E A I K Q P G I T F I A A I C F A A M S C S V I S Q D T V S V P G V K V E R Q T F G E A I K Q P G I T F I A A I C F A A M S C S V I S Q D T V S V P G V K V E R Q T F G E A I K Q P G I T F I A A I C F A A M S C S V I S Q D T V S V P G V K V E R Q T F G E A I K Q P G I T F I A A I C F A A M S C S V I S Q D T V S V P G V K V E R Q T F G E A I K Q P G I T F I A A I C F A A M S C S V I S Q D T V S V P G V K V E R Q T F G E A I K Q P G I T F I A A I C F A A M S C S V I S Q P G V K V E R Q T F G E A I K Q P G I T F I A A I C F A A I S C S V I S Q P G V K V E R Q T F G E A I K Q P G I T F I A A I C F A I C T C T C T C T C T C T C T C T C T C	A K F D G A K F D G A K F D G
UniRef90_G1L5H8 L S G Y L S Q D T V S V P G V K V E R Q T F G E A I K Q P G L T F L A A UniRef90_J9J0X0 L G E Q G T E K L C L M K N S F C A E N V S F L T V T D M S P D L S G L UniRef90_K2RP03 A A G V Y A D K V V V G G V T A T S Q A V E A A T S V S S S F A E D T	RADG
UniRef90_B4PU80 UniRef90_L8G7H2 VS GLYLE D TIGLA G F SLP LQ F GVA DV VS D E F N N Y F UniRef90_UPI0004417E9A F N G Y A G S D T V L V A G F T L P H F R OL S GL M G F A W O GL A A	P M D G L
UniRef90_U6KYG4 Control of the co	NFEG
UniRef90_C1C2N7 UniRef90_H0WV99 LN GLUS K D K LT L G GL K G A S V V F G E A L WE P S L T F T F A	// Y H D G
UniRef90_H8XAN5	D G V F 3 L G Y K
UniRef90_BGQLH9	R A D G [<u>]</u> \
UniRef90 S8FIG8 A Q G T II A Q D T IV Q M A G F F IV D A Q V F A T IV S Q V S W Q T I I A S S	SGATP
UniRef90_Q2H4U3	PILISFS
UNIREI90_D3BV60 LIY G D G S RIVIS G K II Y Q D V V IN LIS G LIS GI I A N F G A N RI I E I C	<u> </u>
UniRef90_S3C0L3	VGYK
UniRef90_Q9FRW7 A S G F F S E D N V Q V G D L A V K A Q E F L E A S R E P S V T F L V A UniRef90_R7SUB2 A R G T L G Q D V V Q M A G F E V S A Q T F G V V T Q L S S N L L S S F	A K F D G
UniRef90_A0A059BBX9	A G L I A G D G D G M G
UniRef90_Q8IKI0	NQFDG NLPA NFDG
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UniRef90_M5W488 I S G F F S Q D N V E V G D L V V K N Q D F I E A T K E G S L T F V L A UniRef90_A0A016SP05 S G Y L A T D T I S F A G I S I S N L E F G I A T Y L D D V F G Y C UniRef90_G7YDA7 S G Y L A T D T I S F A G I S I S N L E F G I A T Y L D D V F G Y C UniRef90_G7YDA7	K F D G Q P M D G
UniRef90_H2ARE9 A S G T W G R D V M S I N G L N V T G L T F A V A N A S N S S N S V L C UniRef90_A0DDU0 N S E V F G F L V E D Y V G L Q G S N F L S F M P F L L V T N Q E N F X I N G E N F X N A K L D F X I N A K L D F X	GNQT
UniRef90_S7RND1 UniRef90_C1GXP5 UniRef90_UP100038EFFA5 UNIREf90_UP100038EFFA5 UNIREF90_UP100038EFFA5 UNIREF90_UP10	K W D G
UniRef90_R0G160 SKGTFATET V T TL STSGEP LVL AETT L GUGRDNFGF UniRef90_K3XGU5 ISGYFSLDS V K L GD VVV RNQDF L EATREPG LTFM V A	A K F D G
UniRef90 H3HE82 V S G F L S Q D E L Q L G G L T V A D Q F F A E V N V T K G L G P A Y Y UniRef90_J4DPT8 I E G K P A K D V V K I G G M S F E Q A F A V V E K E N D F N V F E R I UniRef90_S2K7Y8 V Q G H T G R D L V T L A D N Q I V L Q D Q V I V D A F D I S R D F I C	<u>/ </u>
UniRef90_R1GD85 A S G D Y V K D T F N F G G S N L T E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S T E G V L I E M Q F G I G Y T S S T E G V L I E M Q F G I G Y T S S T E G V L I E M Q F G I G Y T S S T E G V L I E M Q F G I G Y T S S T E G V L I E M Q F G I G Y T S S T E G V L I E M Q F G I G Y T S S T E G V L I E M Q F G I G Y T S S T E G V L I E M Q F G I G Y T S S T E G V L I E M Q F G I G Y T S S T E G V L I E M Q F G I G Y T S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I G Y T S S S T E G V L I E M Q F G I	GIGYT
UniRef90 HZKPE8 UniRef90 W1P500 UniRef90_C7YYX1 A A G D Y A T E T F R V G K T E L K E L Q F G I G Y E T S S D Q G V L C	R D R K S K F D G

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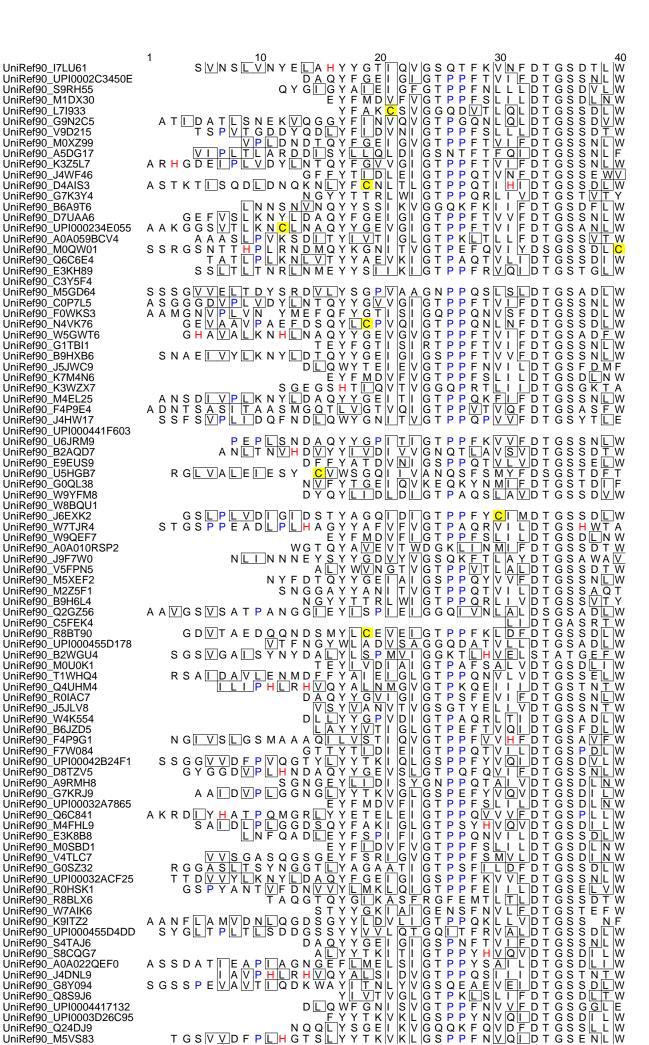
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UniRef90_W8BQU1 UniRef90_J6EXK2 UniRef90_W7TJR4	A S G T I F G G V D S T R Y S G E L V S L P I V P Y S D S V P R L Q D T T T A Q G G E M L L G G S D P S Y Y Q G E L T Y T P I S E Q G Y W Q F S D G A T I G G R G D E W A F G G T N N T L Y K G D L N Y V S I P D Q D K D Y W R I N V Q G N D D G G S M R I G G Y E T E H H T K P L Q W V P L T K P T G W Y T V T L K D I K D S R P E L N F T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E S C L N F T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E S C L N F T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E S C L N F T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E S C L N F T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E S C L N F T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E S C L N F T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E S C L N F T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E S C L N F T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E S C L N F T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E S C L N F T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E S C L N F T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E S C L N F T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E S C L N F T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P E T A L V A G K E N P V D T F Y Y V E I K Y I L V G G E V L N I P T A L V A G K E N P V D T F Y T T A L V A G K E N P V D T T T T T T T T T T T T T T T T T T
UniRef90_W9QEF7 UniRef90_A0A010RSP2 UniRef90_J9F7W0	3 3 GIV I IG W G G K I GIL FII II G F I A T I D 3 W G I 3 I I AII L V ID GIL IK W G
UniRef90_V5FPN5 UniRef90_M5XEF2	GQL LFGGVDTSKYTGELQSIPTVAVNGVHYKDGKKPSS VGGEIVFGGFDWRHFTGDHTYVPISKKGYWQIDVGDVIVA
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UniRef90_C5FEK4 UniRef90_R8BT90 UniRef90_UPl000455D178	T D G Q I T F G D V D K S K F S G E L A Y S N V V S G G Y Q W E I A V D D I I V P N S F Y T F G Y V E E D L V K D Q W T D I D N S E G F W M F P S T S A T L N G G G G F F F G T V D S S L Y T G D V A D N T T T Y P A S W S S F G V D
UniRef90_B2WGU4 UniRef90_M0U0K1	CPGSYDFGEFDTKKMASPF <u>VYVP</u> NEWGAWRFWGDGFA <u>V</u> JGS AHP <u>VMSTPIV</u> RNKS <u>W</u> PS <u>F</u> YY <u>I</u> TLNGITVGG <u>TV</u> VDIPSSTF
UniRef90_T1WHQ4 UniRef90_Q4UHM4 UniRef90_R0IAC7	T G A L I Y G G L D R S K Y L P G L Q G E T R L A V N L T T L G V T I D Q S Q S Q Y S Y L M M G G I D K R F Y K G D L Y M L P V L R E L Y W E L K L Y E L W I G V G G E I V F G G V D P A H F K G N H T Y V P V T R K G Y W Q F N M G D L Y L D
UniRef90_J5JLV8 UniRef90_W4K554 UniRef90_B6JZD5	QYSYLMMGGIDKRFYKGDLYMLPVIRELYWEIKLYELWIG VGGEIVFGGVDPAHFKGNHTYVPVTRKGYWQFNMGDIYLD PNGELTFGGVDSTKFSGPISYVPTQKSGPFWGVSASFQYG TGSEVCFGCVDADRITGSLTWLPVKSQTYWALGMDGIAAN SSSSLILGDVPTSLASTAFSWSPNTCSVYFCSTLNSIVGS QSGVVTVGGVDPSLFKGDIRWFPAMLANGRHWSIPKIVPT
UniRef90_F4P9G1 UniRef90_F7W084	QSGVVTVGGVDPSLFKGDIRWFPAMLANGRHWSIPKIVPT PSGAILFGGVDLGKFSGSLAKLPMLDPSDTPSGADRYWIV
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UniRef90_M0SBD1 UniRef90_V4TLC7 UniRef90_G0SZ32	VNNVYYGGYDRAKYQGPLTTIKCDHHNGYAMPLGGISIEGNGGGIFAIGEVVSPKVKTTPMLSKSAHYSVSLNSIEVGNSYINTTRPGPGEPINFISVPQNLQSYWLIPLDGLDVNGFPLRHPDLNYTSFVGGKENPADTFYYIQIESIVVGGEALQIPRGGDAVTAPLIRNKKVDTFYYVGLTGFSVGGQAVQIPPSLFGSELYLGGINSALYQAGSTKWYPVTSQSYWLLASQANVGG
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UniRef90_W7AIK6 UniRef90_K9ITZ2	GGYITLGGIDDRFKRSPDEKI I WSPVSTEMGFWTI DI VKY GWPATGAGTNGGSLVLGGIEPSLYKGDI WYTPI KEEWYYQ NEVVPFSPYQNQFNTSGYVYWAIHMTEVAVNGSGITPVPT
UniRef90_UPI000455D4DD UniRef90_S4TAJ6 UniRef90_S8CQG7	VGGEILFGGVDEKHFKGKHTYVPVTKKGYWQIEMGDLFVG RGGGIFAIGEVAHPIVNRTALIQNQAHYNVYLDAIDPTGF NVNNSNIVKKTTPLIKSTSNPTFYYISLEGLTIGDKLLPI
UniRef90_A0A022QEF0 UniRef90_J4DNL9 UniRef90_G8Y094	N V N N S N N K K T P L K S T S N P T F Y J S L E G L T I G D K L P I D N N S G L M L G G V D K A K Y D G P L V E F R N R D N Y R M D T I D S V S S F M C T T T T T T T T T
UniRef90_Q8S9J6 UniRef90_UPI0004417132	DNNSGLMLGGVDKRFCDSDVVMLPVVREYYWELKLKELWV TEGTLIFGGVDKAKYDGPLVEFRNRDNYRMDLTLDSVSSE YNKIFSYCLPSSASYTGHLTFGSAGISRSVKFTPISTITD GHAALTFGSVDTTKFTGSLTFASLPTPASGTWRLASPGMF GLGQQGLSVISQLSSNGISPKVFSHCLKGDGNGGGILVLG ESELVIGGYDSNKMQDENKIYYHPILLNEEQNNDQDWSMI
UniRef90_UPI0003D26C95 UniRef90_Q24DJ9 UniRef90_M5VS83	E S E L V I G G Y D S N K M Q D E N K I Y Y H P I L L N E E Q N N D Q D W S M I E K G G G I L A L G E I L E P S I V Y S P L V P P R H H Y Y L N L Q S I P I D P

UniRef90 I7LU61	210 220 230 240 Y N L S I N S N F A L V D S G A S L T Y L S S D M H R Q F F T Y L T Q N Y K V Y
UniRef90_UPI0002C3450E	TGECAGGCAAIIADSGTSIIIVIGPTTIIITEIINHAII
UniRef90_S9RH55 UniRef90_M1DX30	DKDGNEN <mark>C</mark> VLESDHTYSALLDTGATINLVDTQVGAALNRFNLSPQGVGGTIIDSGTTLSYFIEPAYEIIYPLIQDFPILR LTSRSFPIPVVLDSGTTLSYLPNDLAVQTWTEVGALYSAE YSVQASSQSGTDDSGTTLTYLPQDMAEEAWNEVGATFSSE
UniRef90_L7I933	LTSRSFPLPVVLDSGTTLSYLPNDLAVQTWTEVGALYSAE
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UniRef90_M0XZ99	LTSRSFPIPVVLDSGTTLSYLPNDLAVQTWTEVGALYSAE YSVQASSQSGTDDSGTTLTYLPQDMAEEAWNEVGATFSSE LTQPSFSKPALLDSGTTLSNLPQDVINVITEGLGATLDED GESTGFCCAALVDSGTSLLAGPTTLVAQVNHAI
UniRef90_A5DG17	N F T V S G N Q L N S M F D T G S T F T W L Q P Q I Y Q P L A E K Y G W T
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UniRef90_D4AIS3	DTFPSQPVAVAMDSGSSLSYLPDALAAKVYNSVDAVFDPA
UniRef90_G7K3Y4 UniRef90_B6A9T6	SESTOR OF A STATE OF THE STATE
UniRef90_D7UAA6	NQTTGVCCSALVDSGTSLIAGPTLVVTQINHAIGAEGIVS
UniRef90_UPI000234E055 UniRef90_A0A059BCV4	NQTTGVCCSALVDSGTSLIAGPTLVVTQINHAIGAEGIVS TGFCKDGCAAMADSGTSLLSGPTAIVTQINKKI PSTVFSSAGALIDSGTTUTQLPPTVYSALRTVFRKAMANY
UniRef90_M0QW01	KVI VCSGGYEL VNTRTSLILGPRRLVNNIQKRIGATPWGS
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UniRef90_C3Y5F4	SDFCKGGCAALADTGTSLIAGPTSEVKALNEQIGATPLPG
UniRef90_M5GD64 UniRef90_C0P7L5	GHSTGECCAALVDSGTSLIAGPTALIAQVNEAL
UniRef90_F0WKS3	PDNHPTECIGFVDTGTSLLGVPSEQYLALLYQI A A F A Q A R
UniRef90_N4VK76 UniRef90_W5GWT6	SASQSAPHQAII AD I GII IL MIL LIPUDII VII AYYKIII IRSARFDG GKSCTSRCAAII ADSGTSII I VGPTAII I TOITNEKII
UniRef90_G1TBI1	T A C A Y G C Q A I V D T G T S L L A G P T S A I S N I Q S Y I G A S E N Y E
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UniRef90_K7M4N6	HUSSEGAGGTI IDSGTTLTYFAEPAYELTYELVEGLPPLK
UniRef90_K3WZX7 UniRef90_M4EL25	WKWITNKHKGIIVIFDSGIIFIVIYMPEAPILIKAAWAKAIVIGDDQFP TGYCANGCSAIIADSGTSILLITGPSTVIITMINHAIT
UniRef90_F4P9E4	P S T V F S S A G A I I D S G T T I T Q L P P T V Y S A L R T V F R K A M A N Y K V I V C S G G Y E L V N T R T S L I L G P R R L V N N I Q K R I G A T P W G S G F I T K Q P V P A L L D S G T T L T Y L P Q D A F N Y V V R A M G A T Y D P G I D N S Q S D S V M I D S G T S L I G I P A P L V H A I Y Q N I P G A T A G K S D F C K G G C A A I A D T G T S L I A G P T S E V K A L N E Q I G A T P I P G V G V P V G L V A A I D S G T S L I A G P T A I I A Q V N E A I P G S K S A P G H S T G F C C A A I V D S G T S L L A G P T A I I A Q V N E A I P D N H P T E C I G F V D T G T S L L G V P S E Q Y L A L L Y Q I A A F A Q A R S A S Q S A P H Q A I A D T G T T L M L L P D D I V T A Y Y K T I R S A R F D G G K S C T S R C A A I A D S G T S L L A G P T S A I S N I Q S Y I G A S E N Y E N N S T G L C C S A I V D S G T S F L S G P T R I V A Q I N H A I G K P A A A N Q Q T I L D S G T S F L S G P T R I V A Q I N H A I G K P A A A N Q Q T I L D S G T T T T Y F A E P A Y E I Y E L V E G L P P L K W K V Y N K H R G T V F D S G T T F V Y M P E A P L K A A W A K A V G D D Q F P T G Y C A N G C S A I A D S G T S L L T G P S T V I T M I N H A I R T T S A S K I S A L F D T G T S L L T G P S T V I T M I N H A I R T T S A S K I S A L F T F T L I F D S G T S N M Y F D P N T T E A V Y A L I S P D I Q P Y T G W C S E G C Q G I V D T G T F L L T I P Q Q Y L R N F L Q A V K A P Y E D S S G N G K Y C C Q A I A D T G T S L I A G P T D E I S K L N K E I G A T P L A A S C S A C C C Q A I A D T G T S L I A G P T D E I S K L N K E I G A T P L A A S C S C C C Q A I A D T G T S L I A G P T D E I S K L N K E I G A T P L A A S C S C C C Q A I A D T G T S L I A G P T D E I S K L N K E I G A T P L A S C C C C C A I A D T G T S L I A G P T D E I S K L N K E I G A T P L A S C C C C C C C C C C C C C C C C C C
UniRef90_J4HW17 UniRef90_UPI000441F603	TGWCSEGCQGIVDTGTFLLTIPQQYLRNFLQAVKAPYFDS
UniRef90_U6JRM9	S G N G K Y C C Q A I A D T G T S L I A G P T D E I S K L N K E I G A T P L A A L T T N T T Q F P V L I D V G A T L S L L P K G L V Q K L Y A A F D P P A K Y S F A V N K S D A N V M L D S G T T L T R M H S T V A V P L L R A L N A T D D G E
UniRef90_B2AQD7 UniRef90_E9EUS9	FAVNKSDANVMLDSGTTILTRMHSTVAVPILTRALNATDDGE
UniRef90_U5HGB7	SAPTVKRVNLII DSGTTFII APMSAATEFYSTINGSQKLD LCSNDHKCVLMI DSGTSLVTGPSQDMQLLTQYLNDQGLQC
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UniRef90_J6EXK2 UniRef90_W7TJR4	PNI FNAGOGTI VDSGTTDTYI PRSVASAFORVE ODVAGIJA
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UniRef90_A0A010RSP2 UniRef90_J9F7W0	ETWPEGYGGTI I DSGTTLSYFQDPAYQVI KEAFLKKVKGY STSDTKKYLYI VDTGTTLMYVPPPTAEAI ARSFSPSAI YF SAYKFDSI KSLLDTGTSLLYI PPKYFATLLKLVI LGHSEA
UniRef90_V5FPN5	YSSSSEPL VT SLDCGSTTII ILPESLTKDIFDDFDVKYNST DNSCKGGCAAI VDSGTSFLAGPTTI VA QUNHAI
UniRef90_M5XEF2 UniRef90_M2Z5F1	Y G N R D T A IL IA IV L L ID T G S T A W T II IP E E Y Y S Q Y II ID P IV IF T Y IV ID R N
UniRef90_B9H6L4	PTVFDGKHGTLLDSGTTYAYLPEAAFVSFKDALMKELHSL
UniRef90_Q2GZ56 UniRef90_C5FEK4	D G K P L N F Q G R I V D T G T S F L L L P P D D A D L I H S K I P K S A K S S
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UniRef90_W4K554	G Q V A Q T N I LA A I D T G T T L V Y L P N E L A A R F Y A L V P G S K L A A
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UniRef90_A9RMH8	DIAATGROGEILDSGTTLTYLDVDAFNPMVAALKAALPYP
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UniRef90_Q6C841	KRVKTTRDYQIVEDTGGINETEPNGTEKALSEAYGGNGVY
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UniRef90_M0SBD1	ETWEPAKDGTI I DSGTTL SYFTDPAYQKI Y PVVEDVPVLS
UniRef90_V4TLC7 UniRef90_G0SZ32	KVSSVGTFNAILIDTGTSVLVAPTQAAAAFWAAVPGSGTYG
UniRef90_UPI00032ACF25	NNSCQGGCAAIIDSGTSLIAGPTSVVTQINHAIGAEGYVS
UniRef90_R0HSK1 UniRef90_R8BLX6	SYDYSFYYPYI VDSGTTLIYVPPTLAEQINAAFSPPVYSW
UniRef90_W7AIK6	EGFHDGSNKSI VDTGTFLI YAPKKTMENYLNDLTUNSCED
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UniRef90_S8CQG7 UniRef90_A0A022QEF0	F GLIGA I N K K I I I I D S G I I IL IA Y IL IP S N IL IY Q QIL I N K IL IHV V IE G Q F E K S T F A IL R E MIL I D S G T T IL IT Y IL IE D S A F D II V IK K E MIL IE O M K F IVI
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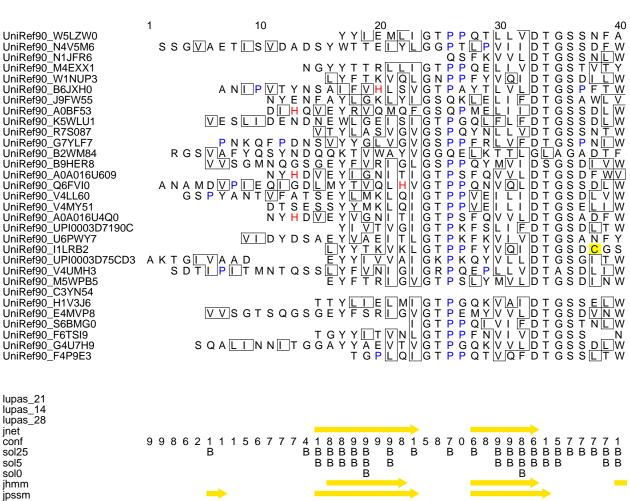
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JARRISON STADS ALARAGO. JARRISON STADS ALARAG	UniRef90_V7C8N8	
JARRISON STADS ALARAGO. JARRISON STADS ALARAG		T G S F D F G F D P K K Y T G S A W V D N F F E E N W S A Y G F Y G S G F W O T S D N G T H G V L Y Y G G Y D I V H C Y T N R A F A O U S A A S U Y O F T
### ### ### ### ### ### ### ### ### ##	UniRef90_S4TA51	E G G E L VF G G V D P K H F I G Q H T Y V P V T Q K G Y WQ F E M G D V I V S
### ### ### ### ### ### ### ### ### ##	· . · · - · · · · · · · · · · ·	EGSTVMLGGVDHSYYTGELHWIPRRQFWQIITVDSIISMNGK
JARREND SHAWS JARREND SHAWS JARREND SHAWS JARREND SHAWS JARREND SHAWS JARREND JAR	UniRef90_M2QGB3	GHAELTLGGFDESKFIGPLTFAPLSAEADEQWALDSPGLT
JARRESO BERMYS JARRESO JUPIDODUCABSABA JARRESO JUPIDODUCABSABA JARRESO JUPIDODUCABSABA LICE II ME P GIL VIY S P L VIP S O P H Y NIN NIN NI O G J L SIL D P S JARRESO JARRESO JUPIDODUCABSABA LICE II ME P GIL VIY S P L VIP S O P H Y NIN NI O G J L SIL S VIN G O F L SIL D P S JARRESO JARRESO JARRESO JUPIDODUCABSABA LICE II ME P GIL VIY S P L VIP S O P H Y NIN NI O G J L SIL S VIN G O F L SIL D P S JARRESO	UniRef90_E3MTF5	SSGSITYGGFDGEA <mark>C</mark> DKNIQYLPLAQPGVWGFFVEGWSMG
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UniRef90_U6PDF8 UniRef90_S4TA51 UniRef90_UPI00044462AA	PKTPLPAKVDCSVYSLGFDVGGNNGFLLVTERNLILRNND HRVTLPCDNKNTMPDLVFTLNRVNYSVSASAYLRQDTMRG
UniRef90_A0A059A833 UniRef90_M2QGB3 UniRef90_E3MTF5	PPCDKVSELKAEIDFAFIGEGSKVFHLNIPTSELNVGPFKNAYTVSCSTIERQPDLNLNIGGNLYTIKSLDYVLDLGLNN
UniRef90_K7KPD0 UniRef90_B8LMX2 UniRef90_M4FH88	GAGNDVSQLSKSFPVVDMVFGGHKYSLSPENYMFRSKVRPCFLTVHSIDEIFPSVTLYFEGAPMDLKPKDYLIQPVWCIQCFTFTKDVNQAFPPVNFHFEDSKLTVYPHDYLFSEMYCFSYRVESYAPSYCTVHCSVTNSSLELLLNPQDYIYSCTIID
UniRef90_A0C402 UniRef90_UPI00042B38A6 UniRef90_F4K4L3	SYRVESYAPSYCTVHCSVTNSSLELLLNPQDYIYSCTIID VTPTIYKGNQCYLVPTSVNEGGASMTLKPEEYLIHSFYDG DDVCFSEIHNFFPEIAMEFGNGQKLILSPENYLFRHTKVR PVAPPLPPLLDTCYDLRGQKNEKTLVSLDPSAVVWRESDA
UniRef90_A0A059BFY3 UniRef90_M4FDI2 UniRef90_G4NGR6	Y S L C Y I T D T M D I F P V I T M H F S G G A D L V L G K N N T Y M D Y G E G S S Q W F V P C T G T T A P S L G I T L G G T T L W T D P S S M I L S E V K N A G A G R D V S Q L S K I F P E V N M V F G G Q K L S L S P E N Y L F R H T K V S
UniRef90_B9R734 UniRef90_A9NV06 UniRef90_V4S6C9	T C Y D L S G L K T V K V P T L V F H F Q G G A H L S L P A T N Y L I P V D S S M O C K T V V F F Y G N M I W
UniRef90_T2MF03 UniRef90_W9S303 UniRef90_E3QFA2	TPWEEFPHMSISLLSSLSSSKEFVLKIPPQLYLRETIERG TCYDLSSQTRVEVPTVSFHFAGGKFLSLPAENFLIPIDSN INMYLVPCNTKG TINFKFGDYTMKVPLSEFIWQVGD
UniRef90_M4CKJ9 UniRef90_E3S956 UniRef90_J5RDT7	FNVSGVEESNMELPELGLAFADGAVWNFPAENVF I WLSEDNQGYVYPCNKNMPLLTFTVKGARQAINGDSLRFSALDDENWARYFAFPCQNASVIQFKFAGKEWKIQPTDLIYQPLQQGEGLFAFPCRSVPQQKVSITFGGRVFWIQSTDLVLYQAGGT
UniRef90_K1VSP9 UniRef90_G8BMW3 UniRef90_F8PT58 UniRef90_U5H8J0	EGLFAFPCRSVPQQKVSITFGGRVFWIQSTDLVLYQAGGTLGYYTMSCPSSSDSTEIVFDFGGFHINVPLTSFIVTSSMTGLKITSAQYSALKPLDFNIGGNTYTLSPNAQIWPRSLNSGDGTYNIPCDAPIGSLAFVFKGVQYEIPPEDLIRALSRDR
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UniRef90_G3NV69 UniRef90_F0W945 UniRef90_O81654	T P W R F F P K L S L Y L R A T N T S Q S F R L T L L P K L Y L Q P L T D V D G Y N E N K M N L T P E M V E T L L A G E D G E D F E L S L N A S D Y L L N D S
UniRef90_I0Z747 UniRef90_C5XZR3 UniRef90_I0Z908	Q G G Y Y S T T G G C D L P D T A F V V D G K T Y S M P P V Q W T Q S M Q G A N T C F D F S G Q S S V S I P T V A L V F S G G A V V D T A S D G I M L Q T S N S E D N L W V C Q N V T S L P N I T L L L A G T P Y V L T P E Q Y V L Q V Y H R P
UniRef90_UPI00032A53EF UniRef90_G8BHE2 UniRef90_UPI000189D103	KLCYSVKSDKYDFPLLTANFKGADVKLHP ISTFIPLADG EQAYEVPCESTNEVFFNFKVGNTTLNVSVSDLLINNERTN TCYDLSSLQSVRVPTVSFHFSGDRAWALPAKNYLIPVDGA
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UniRef90_G3JMV5 UniRef90_M2RIX5 UniRef90_I1IEJ4 UniRef90_E0CP57	I T E D T E L P D F S F G V G N A T L R V P G A N L K E K N D K G G S M Q G Y S Y P C D T Q V E I S L K F G S S S T S W P I S P A D F M L E Q I D F D V R Y L E D V K Q F F K P L N L H F G N R W F V I P D D Y L I I S D K G N V K Q L H G P D P N Y N D I C F D M V F S N G Q K L S L T P E N Y L F Q H T K V H
UniRef90_U3XGY5 UniRef90_G9N310 UniRef90_J9IIL7	O WG T Y EVOCD A P P H F A L L IS GVE F WIN P A DILLY O DI VID P
UniRef90_G4ZJQ7 UniRef90_D7TTB3 UniRef90_G4MQL5	SKTRICQFEGKCSTRVAQMCSMQTFAVNPQDYLDDRKDDLGVGMYSIDCESSPPELTFVLNGHAFSISKEEYMLRVGEKCKLIQGPDRNYNDICFSGVFSNGNRLSLSPENYLFQHSKAHRSGFYVDCKDATSANGTLDFGFGDKVLRVGYADFIWRPAS
UniRef90_K4BP41 UniRef90_C5M207 UniRef90_F9X400	TCYDLDGFVTVRVPTVSFFLSGGQILTLPARNFLIPVNDKNY YVDCDVVLKSSLSMTIGNSTIQMPMSNFVYNYYGSCPFFWYFPPCNATPPEISFRIGGKDFAINPRDVLLDDNPDD
UniRef90_Q9FPD6 UniRef90_K4C2Q5 UniRef90_A0A024GRV7	QCFEIT A GDVDVFPQVSLSFA GGA SMVLGPYLQIFSSSGSHCFDYTGKIDDGFPVVNFRFA DSPLTVYPHDYLFQIRW <mark>C</mark> IDAFVA DDCQLPSLQFVMEGVNGEQAILEISALQYLQYNDK
UniRef90_U5GBY0 UniRef90_UPI0003333C64 UniRef90_V4KPG4	T C Y D F S N Y T T V S F P K V S V S F G G V E V D I N A S G I L Y L V N G L K A I V D S G T T L L R L P Q K V F E A V V E A V A R T S L L Y I Q P M M G A G L A C F S F T S N T D K A F P V V N L H F E D S K L T V Y P H D Y L F E D M Y C F
UniRef90_A5DJ19 UniRef90_W1NFU6 UniRef90_A0A016PGR9	DADAYSKDGYDQPIKLNFDGTSVELSLMDMYRDNI VDDNG ERVPKVQSFDLCLPTLKLGLKGGAVMAPPPSNYFLEVEPG QWGAYFADCKAVPPHFAVIISGVRFWINPADLIYEELKDP
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UniRef90_M1DXD5 UniRef90_UPI0002C36BEE UniRef90_F2DCB0	NLCYLTKYDILAGPNVTFHFNGADVKLNSANNFIRMDDE TCYDFTGLSDVELPTVSLVFQGGACLDVDVSGLVYALSEA

	290 300 310 320
UniRef90_M1C4Y3 UniRef90_M5E6A8 UniRef90_V4MAX2 UniRef90_F4R9B9	I A C L A M G S S S G M S I F G N V Q Q Q N M M V I H D L D K E T L S F V N L Q G T C V S A V S T G S T W L L G A A F L K N V Y F A T N S D A N Q V G L G A S M W C I G F S K A P E E Q N I L G D L V L K D K V F V Y D L A R Q R I G W A G L C R G Q V V G S D N Y P T W I M G S L F I R N F Y T V F N A S K P R V G F A
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UniRef90_S4TA51 UniRef90_UPI00044462AA	N R WN S CIS NLD WM E LA WY G DVF LR LY F S V F D R G N N R V G LA
UniRef90_A0A059A833 UniRef90_M2QGB3 UniRef90_E3MTF5 UniRef90_E3MTF5 UniRef90_B8LMX2 UniRef90_M4FH88 UniRef90_A0C402 UniRef90_UPl00042B38A6 UniRef90_F4K4L3 UniRef90_A0A059BFY3 UniRef90_M4FDI2 UniRef90_G4NGR6 UniRef90_B9R734	S D P T I C Q T I N S F P D L E L V G G S L L K H Y Y S V W D I G G Q R M G F A G Q C A L A F F S S A K M N D WI L G E S F I R G Y C H V Y D F G N S R V G L S G A Y C L G I F Q N G N D Q T T L L G G I I V R N T L V M Y D R E Q T K I G F G W Q K S G Q Q A T D S S K M T I L G D L V L K D K V F V Y D L E N Q R I G W G W Q V G G M T E D R S E V I L L G D M V L S N K L V V Y D L E N E V I G W G S Q S K C N E R S E I D D D I L L L G D A F L H S Y Y T V F D Q T D K Q I G F A A T M W C I G F Q K V Q G G V T I L G D L V L K D K I F V Y D L A R Q R I G W A G A Y C L G I F P D R D S T T L L G G I V V R N T L V T Y D R E N D K L G F Q V C L A F A P N R I S P D F V I I G S V Q Q R N L N I L Y N I Q D N K V E F A I C L N I I C G P P S P T F G I F G N I A Q N N F L V G Y D L S S R L V S F K Q G L C A T G I S A T D A F P Y I L G D T F M Q N I V T V F D L G K M E I R Y A G A Y C L G I F Q N G K D P T T L L G G I V V R N T L V T Y D R D N D K I G F
UniRef90_A9NV06 UniRef90_V4S6C9 UniRef90_T2MF03	ATF <mark>CFAFAGNTG GLSLIGNLQQQGYRVV</mark> FDSLANRVGF GQH <mark>C</mark> YKFALTKAEK <u>G</u> TVIGAV <u>V</u> MEGFYVVFD <u>RENLR</u> VGFA
UniRef90_W9S303 UniRef90_E3QFA2 UniRef90_M4CKJ9 UniRef90_E3S956 UniRef90_J5RDT7 UniRef90_K1VSP9 UniRef90_G8BMW3 UniRef90_G8BMW3 UniRef90_U5H8J0 UniRef90_G1SHU1 UniRef90_S8EPB3 UniRef90_Q2HC83 UniRef90_G3J621 UniRef90_D8RLZ3 UniRef90_BRLZ3 UniRef90_K3YRQ7	GT F C F A F A P T S S P S I I G N V Q Q G T R V G F D V N S L I G F T N S C V L G A D K A S D N A Y I L G D S F L R S A Y V V F D Q E T P A L H F A E V V C L A I R G T A E S A M S I I G N Y Q Q Q N F H I L Y D T K R S R L G F A G K V C W G G L Q N I G G G F G L F G T P F I E N K Y I V F D V E N G T V G F A S L D G F C I G V D N F D G A W L V G D A F L K N V Y S V Y T Y D P P R V G F A C I G S V T L S P Q A Y P N F V L V G A A F L K N V Y S V Y T Y D P P R V G F A C I G S V T L S P Q A Y P N F V L V G A A F L K N V Y S V Y D L E N L E I S L A D I G G D S S S I S G G G L D F I N G Y T F L Q R F Y S V F D T G N S R V G L A S L C V L T I A G V D G R P T A I I G G A F L K S V Y A L Y S Y G A P A V G L A F D E S T T H E P E P Y E V W V L G D V F L Q L Y F S M F D G A K N R I G L A G W C M G G I Q A N D G S G D W L L G D T F L R N V Y A A H N A S P P R V G L G H C M L G V Q P A D G S T H Y V L G D T F L R R Q A Y L V F D Q Q S D I V D P L T C Y A G I A L T E G Q Q I L G D T V L R A G Y F V F D W D N E A V H I A D T V C L A M G S A S G L P V S I I G N V M Q Q G Y H I L Y D R G S S E L S F V D V M C L A V L G T P R S G M S I I G N F Q Q Q N F H L V Y D L K G N R L G F A
UniRef90_I1NPX9 UniRef90_F0ZLK6 UniRef90_F6HFP7 UniRef90_G3NV69 UniRef90_F0W945	I Y R C F G I K P S P L K G K S I I G L S W L R D N Y I V F D T E H N R M G F A G T F C F A F A P T T S A L S I I G N V Q Q Q G T R V S Y D L S N S L V G F S T L D C F R F G L S S S A N G L V I G A T V M E G F Y V V F D R A Q R R L G F A N H H F F G T L H F S E R R G A V L G A S I M M G Y D V I F D L E K K R V G F A
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UniRef90_F8PT58	ŤΤS
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UniRef90_D8RLZ3	Q A
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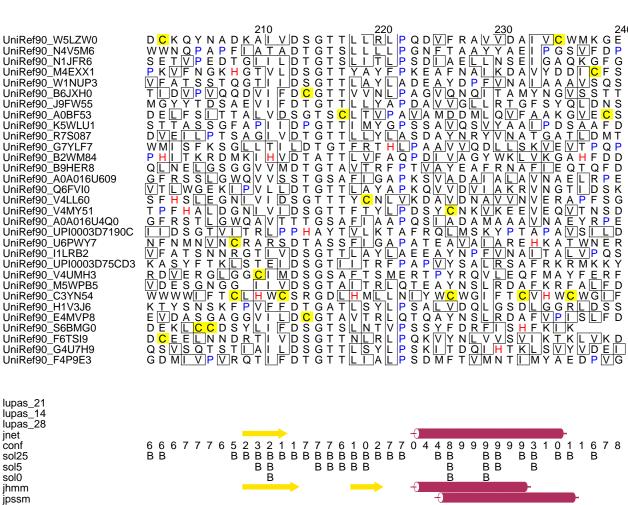
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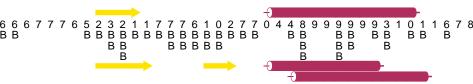
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