QUERY	1 10 20 30 40 GVGTVPMTDYGNDVEYYGQVTTGTPGKSFNLNFDTGSSNL
UniRef90_C3UTC4	GYAPLTNYM DAQYYGEIITIIGTPGQKFNVTFDTGSSNW
UniRef90_F5HIR1	GPVPEPLSNYL DAQYFGAIISIIGTPPQSFKVVFDTGSSNL
UniRef90_E0VMS3 UniRef90_G3VHT8	GPTPEPLSNYL DAQYYGPI SI GTPPQQFKVI FDTGSSNL WASEPLTNFL DSQYFGKI YI GTPPQEFTVVFDTGSSNL
UniRef90_D3TMW6	E P L S N Y L D A Q Y Y G P I S I G T P S Q D F K V V F D T G S S N L
UniRef90_Q9DEC4	EPLQNYM DIEYFGTI SI GTPPQSFTVI FDTGSSNL
UniRef90_J4GNL2 UniRef90_UPI0002A48EC7	GGHNVPLSNFMN AQYFAEI QLGTPAQSFKVI LDTGSSNL GPTPETLKNYL DAQYYGEI ALGTPPQPFTVVFDTGSSNL
UniRef90_UPI0003299E2B	A V T N E Q L T N Y L D D Q Y Y G P I T I G T P P Q N F Q V L F D T G S S N L I
UniRef90_A0A034VZG4 UniRef90_G4VEV7	T S E Q L S N Y L D D Q Y Y G P T G T P P Q N F N V L F D T G S S N L L K N Y L D A Q Y Y G D T G T P P Q T F S V V F D T G S S N L
UniRef90_F1RUW7	S <u>V A L E P M A Y E A A Y F G E I</u> I S I G T P P Q N F <u>L</u> V L <u>F</u> D T G S S N L
UniRef90_Q6R6N8 UniRef90_M3WJA1	SHPILIRNEILIN MAYILLINILITILIGTPPOFFSIVLLIDTSSSDILL
UniRef90_U3JCU9	T N E P L T N Y L D M E Y F G Q I S I G T P P Q N F T V V F D T G S S N L
UniRef90_UPI00032B1E3E	D Y L D A S Y F G E I S I G T P P Q D F L V L F D T G S S N L
UniRef90_A0A034WCQ1 UniRef90_L5LXE3	LHNYLDDS YYGAI TI GTPPQNFQVLFDTGSSNL VASEPLFNYL DCQYFGKI SI GTPPQEFTVVFDTGSSDL
UniRef90_UPI0003343C26	VASEPIL IN YIL DSQYFGKILIHI I GTPPQEFTIV VIFDTGSSD <u>F</u>
UniRef90_UPI0002C435B9 UniRef90_C3YUT2	GPQPEPILIS NYILI DAQYFGPII ISII GIPPQSFQIV VIFDI GSSNLI
UniRef90_P27822	VPTETILIENYILI DTEYFGTII IGII IGTPAQDFTIVI IFDTGSSNILI
UniRef90_S2JLE6 UniRef90_U5EX48	VPLSNYMN AQYYĞE I QLGSPPQTFTVVFDTĞSSNL GATPENLINYL DAQYYGA I SI GTPPQSFKVVFDTGSSNL
UniRef90_M3WZ94	<u>V</u> S N E P L A N F L D <mark>C</mark> Q Y F G K Y G T P P Q E F T V V F D T G S S D L
UniRef90_U6I2U0 UniRef90_UPI000258EAD7	GPHPEPLENYL DAQYYGEI ELGTPGQKFRVVFDTGSSNL EPLSNYL DAQYYGVI NI GTPPQKFRVI FDTGSSNL
UniRef90_G1X6I4	GGHSIVIPIVINNFILIN AQYYSEII ITILIGTPPQTFKIVVLIDTGSSNILI
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UniRef90_UPI0003C42366	N V AYEPMA YMDAAYYGE I S I GTPPQNF LVL FDTGSSN L
UniRef90_V5ND85 UniRef90_I3M846	GGHSVPLNNFMN AQYYTEI SLGTPPQTFKVI LDTGSSNL YMDAAYFGEI SI GTPPQNFLVLFDTGSSNL
UniRef90_M7NNW9	VISILTNEEN AQYYTQII KILIGTPPQTEKIVVI DTGSSNILI
UniRef90_M5GBQ7 UniRef90_UPI000388DC3D	GSHGVPLTDFMN AQYFAEIITLGTPPQTFKVVLDTGSSNL ASEPLTNYM DMEYYGTISIGTPPQEFSVLFDTGSSNL
UniRef90_E1GJG2	LKNYM DAQYYGQII S I GTPAQNFS VV FDTGSSN L
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UniRef90_F4NZG7	SVPLTDFAN AQYFGEII QII GTPPQPFTV I FDTGSSNL
UniRef90_UPI0003D0BF04 UniRef90_Q68A00	A V V S E P L A N Y I D M S Y Y G E I S I G T P P Q N F L V L F D T G S S N L E P M T Y M D A S Y F G E I S L G T P P Q S F Q V L F D T G S S N L
UniRef90_U4USP0	G G V P E P L T N Y L D A Q Y Y G E I I S I I G T P P Q T F D V I I F D T G S S N L I
UniRef90_H2ZZV4 UniRef90_UPI0003338EBC	TPETLKNYL DAQYYĞEİĞİĞTPPQLFTVVFDTĞSSNL TGPVPLRNYL DAQYYĞEİĞİĞİĞTPAQCFTVVFDTĞSSNL
UniRef90_D0VFG1	II IR N Y M D A Q Y Y GIV I ISII IG T P P Q N F T IV I IF D T G S S N W
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UniRef90_F1RIE7	A S H PIL IR N Y II I DIL IA Y M G N II ISII IG T P P O O F S IV V IF D T G S S D II I
UniRef90_B4J475 UniRef90_I1C131	S V P L S N Y L D A Q Y F G P I S I G T P P Q T F N V I F D T G S A N L V P L S N Y M N A Q Y Y G E I Q I G T P A Q T F T V I F D T G S S N L
UniRef90_H3B1M9	SAAFPII VINYM DAFYEGEII ISII IGIVIPPOKETIVI IEDTGSSNII II
UniRef90_L5KRS4 UniRef90_W8BA86	TNVK HGMLYYGNI SI GTPPQEFKVI FDTGSADL SATEELDNELN MSYYGTI TI GTPPQEFLVLFDSGSSNL
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UniRef90_UPI0003C2963D UniRef90_P16476	ANEPLINYL DMEYFGQI SI GSPPQNFTVVFDTGSSNL VVTEPLLNTL DMEYYGTI SI GTPPQDFTVVFDTGSSNL
UniRef90_UPI000328FAE1	SANEPILINYII DMEYEGTIISIIGSPPONETIVIEDTGSSNIII
UniRef90_A0A034VVC0 UniRef90_H0XKR9	AIVIA Y E PILIT N Y M E - S E Y E G E II ISII IG T P P O N E II V I IE D T G S S N II I
UniRef90_A0FIJ5	N G S
UniRef90_B5X234 UniRef90_F7GKP1	LTNFM DAQYYGVI SI GTPPQDFTVLFDTGSSNL YMDSSYYGEI SI GTPPQNFLVLFDTGSSNL
UniRef90_A8Q838	NIVIPILIT D FILIN A Q Y F A DII IEILIG S P P Q S F KIV I LID T G S A NILI
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UniRef90_E3JVP3	V P L S N Y L N A Q Y F S E I S L G T P P Q S F K V V L D T G S S N L
UniRef90_A7TH54 UniRef90_UPI0003F0CD95	V P L S N Y L N A Q Y F S E I S L G T P P Q S F K V V L D T G S S N L G G H N I P L S N Y L N A Q Y Y T D I T L G T P A Q S F K V I L D T G S S N L A G G P V P L R N Y M D A Q Y Y G E I G I G T P P Q C F T V V F D T G S S N L
UniRef90_P70269	NEPIL I NYL DMEYFGTII SII GTPPQNFTIVI IFDTGSSNLI
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UniRef90_J3PKM1 UniRef90_C5DF06	GNHP V P V SNEMN AOYYSEILIT V GTPPOSEK VVL DTGSSNILI
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UniRef90_A1Z9Q9 UniRef90_F2TYL4	VPLSNYLN AQYFTEI TLGTPPQSFKVILDTGSSNLGLHPVPVSNFMN AQYFSEI TI GTPPQSFKVVLDTGSSNLAVKSTPLSNYL DAQYFGPI TI GTPPQTFKVIFDTGSSNWGNGTVPI YNF EDAQYYGEI TI GTPPQRFKVVFDTGSSNLGTEPI TNHM DLQYMGTI SI GTPPQRFKVVFDTGSSNL
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UniRef90_UPI000443F48D UniRef90_E3TE66	ATQPLVNYM DLEYFGTI GI GTPAQDPXASFSGADVSL LSNFM DAQYYGVI SI GTPPQEFTVLFDTGSSNL

QUERY	WVGSVQCQASGCKGGRDKFNPSDGSTFKATGYDASIGYGD	
UniRef90_C3UTC4 UniRef90_F5HIR1 UniRef90_E0VMS3	WV GSV Q C Q A S G C K G G R D K F N P S D G S T F K A T G Y D A S I G Y G D L P S K C K L L N V A C R T H N Q Y N S D K S S T Y T S N G T D F S I T Y G S WV P S K Q C S F T N I A C M H N K Y D A K K S S S F E K N G T A F H I Q Y G T WI P S K K C L F S N I A C L H N K Y D S S R S S T Y I R N G T E F S I Q Y G S WV P S V Y C N S T A C E N H H R F S P S E S S T F N S T E E P L S I Q Y G T W V P S K Q C Y F T N I A C M H N K Y D A N K S S S T F N S T E F A I H Y G S WV P S V Y C S S P A C T N H H M F N P Q Q S S T F Q A T N T P V S I Q Y G T W V P S S K C T S I A C F L H A K Y D S S S S T T Y K A N G S E F S I Q Y G S W V P S V H C S L L D I C X X X H K Y N S A K S S T Y Q V N N Q S F A I Q Y G S W V P G A P C A S T D F A C T H N T Y N S S A S S T Y Q A N G O S F A I Q Y G S	
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UniRef90_L5LXE3 UniRef90_UPl0003343C26 UniRef90_UPl0002C435B9	WV	
UniRef90_C3YUT2 UniRef90_P27822 UniRef90_S2JLE6	WV P S K K C H Y S N L A C L H N K Y D A S K S S T Y K K N G E K F A L Q Y G S WV P S V Y C S S A A C S V H N Q F N P E D S S T F Q A T S E S L S L T Y G T WV P S T H C S S L A C F L H K R Y D S Q K S E T F K E N G T E F S L R Y G T	
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UniRef90_V5ND85 UniRef90_I3M846 UniRef90_M7NNW9	WI PSAKCISLACFLHSKYDSSSSSTYKANGSEFAI QYGS WVP SVYCQSQACTTHPRFNPSKSSTFSTNGQTFSLQYGS WVPSSKCTSTACLLHKRY DSSLSSTYLANGTEFQI RYGS	
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UniRef90_U4USP0 UniRef90_H2ZZV4 UniRef90_UPl0003338EBC	WV P S A K C S I L N V A C L L H K K Y Y S E K S S T Y V K N D T F S I S Y G S WV P S I K C S L T D I A C L H H K Y N A A K S S T Y V K N G T E F A I H Y G S WV P S S H C T M F D V A C W F H H K Y H S D K S T Y V K N G S S F D I H Y G S	
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UniRef90_P16476 UniRef90_UPI000328FAE1 UniRef90_A0A034VVC0	WV P S V S C T S P A C Q S H Q M F N P S Q S S T Y K S T G Q N L S I H Y G T WV P S V Y C T S P A C Q T H P T F H P S Q S S T Y S E V G S S F S I Q Y G T WV P G A P C A A N D T C S T H N T Y N S S A S S T Y Q V N N Q S F A I Q Y G S WV P S T Y C Q S Q A C S N H H V F N P S Q S S T F S N N G Q T Y T L S Y G S	
UniRef90_H0XKR9 UniRef90_A0FIJ5 UniRef90_B5X234	WVP STYCQSQACSNHHVFNPSQSSTFSNNGQTYTLSYGS WVPSKRCSYLSWACWHNKYNYAASSTYQVNGTAFSIQYGT WVPSIHCSFLDVACWHHRYNSKKSSTYVQNGTKFSIQYGR WVP SILYCQSQACSGHARFNPSQSSTYSTNGQTFSLQYGS	
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UniRef90_K2R5R4 UniRef90_Q291K6	WVPSSE <mark>CGSTA C</mark> YI HTKYDSSASSTYSKNGSTEELRYGS	
UniRef90_UPI00033349A1 UniRef90_B5G4Y2 UniRef90_E3JVP3	VPSTSCAPTMVACMVHSRYNARQSSSHRRNGVRFAIHYGS WV PSVYCSSGPCQNHHRFDPSKSSTFQNLSKPMFVLYGT WVPSKHCSIFSIACWHHKYDSAKSSTYMANGTEFSIRYGS WV PSTRCTSIACFLHSKYDCEASETYQANGTEFKIRYGS	
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QUERY	90 100 110 120 G S A S G V L G Y D T V Q V G G F D V T G G P Q F Q F Q F Q F G G G F P G D N
UniRef90_C3UTC4 UniRef90_F5HIR1 UniRef90_E0VMS3	120 100 100 100 100 100 100 100
UniRef90_G3VHT8 UniRef90_D3TMW6 UniRef90_Q9DEC4 UniRef90_J4GNL2	GSMEGVLGYDTVI VSSI VDPDQIFGLSTQEPGNIFTYSEF GSLSGYLSTDTVNI AGLGIEGQTFAEALSEPGLVFIGAKF GSMSGFLGYDTVQVGNI QI TNQIFGLSQSEPGSFLYYSPF
UniRef90_UPI0002A48EC7 UniRef90_UPI0003299E2B UniRef90_A0A034VZG4	GSUSGYUSQDIETRIGDISVENQVFGEAIKQPGVAFIAAKF GNLTGYLAMDTVNVSGLIITNQTFAIATSEPGDTFVDSAF GNLTGYLAWDTVVFNGLIITNQTFAIATSEPGTTFUYSEF
UniRef90_G4VEV7 UniRef90_F1RUW7 UniRef90_Q6R6N8	GSLSGFLSTDSLQLGSLSVKGQTFGEATQQPGLVFVMAKF GSLTGFFGYDTLKIQSIQVPDQEFGLSETEPGTSFLYAQF GSITGVLATDTVRIGGLIAKSQTFVLSMNKLSGALEQAPY
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UniRef90_A0A034WCQ1 UniRef90_L5LXE3 UniRef90_UPI0003343C26	GSLITGYL VE DTVSVA GL PI S DQVF AVATTEPGTTFVD AVF GSMEGVLGTDTVI VSDI VDRQQTVGL STQEPGDVFTYSQF GSMQGVLGYDTVTVSNI VDPHQTVGL STQEPGD FTHSEF
UniRef90_UPI0002C435B9 UniRef90_C3YUT2 UniRef90_P27822 UniRef90_S2JLE6	GSUS GFL S Q D T V S V A G I E V K D Q T F A E A L S E P G M A F V A A K F G S M T G F L G Y D T V K V G N I E D T N Q I F G L S E S E P G S F L Y Y A A F F G S I F G F V S H D T I N I G G I R I F D O G F A F S V K F P G F T F A F A K F
UniRef90_U5EX48 UniRef90_M3WZ94 UniRef90_U6I2U0 UniRef90_UPI000258EAD7	GSLSGYLSTDTVNIGGIEIKNQTFAEAVNEPGLVFVAAKF GSMQGFLGLDTVTVSSIVDPQQTVGLSTQEPGNVFTYSEF GSLKGFLSTDTIKLSDIRAPDQTFAEATQQPGLVFVMAKF
UniRef90_UPI000258EAD7 UniRef90_G1X6I4 UniRef90_Q9JKE6	GSLSGYLSTDMVDVAGIKVNDQTFAEALSEPGLAFVAAKF GSMEGFISQDTLTIGDLTIKNQLFAEATKEPGLAFAFGKF GEMSGFLAYDTVRIGDLTVVAQAFGLSLEEPGIFMEYAGF
UniRef90_UPI0003C42366 UniRef90_V5ND85 UniRef90_I3M846	GSMQGFLGLDTVTVSSIVDPQQTVGLSTQEPGNVFTYSEFGSLKGFLSTDTIKLSDIRAPDQTFAEATKEPGLAFAFGKFGSLSGYLSTDMVDVAGIKVNDQTFAEATLSEPGLAFAFGKFGSLSGYLSTDMVDVAGIKVNDQTFAEATLSEPGLAFAFGKFGSMEGFISQDTLTIGDLTIKNQLFAEATKEPGLAFAFAKFGSMEGFISQDTLTVVAQAFGLSLEEPGITFAFAKKFGSLEGFISQDTLSVGGIQVEDQGFAESTKEPGLTFAFAKKFGSLEGFISQDTLSVGGIQVEDQGFAESTKEPGLAFAFGKFGSLSGFFGYDTVTLENISVTSQEFGLSENEPGTNFLYAQFGSLSGFFGYDTVTLENISVTSQEFGLSEQEPGTNFVYAQFGSLSGFFGYDTLTVQSIQVPNQEFGLSEQEPGTNFVYAQFGSLSGFFGYDTLTVQSIQVPNQEFGLSEQEPGTNFVYAQFGSLSGFISQDVLHIGDLIVHSQDFFGEAISEPGLAFALGRFGSMEGFVSNDLLTIGDLIVHSQDFFGEATKEPGTAFEYSEFGSMEGFVSNDLLTIGDLIVDTKQIFFGLSETEPGTAFEYSEFGSMEGFISSDTVQIADICVTDQFFAEATKEPGTAFEYSEFGSMEGFISSDTVQIADICVTDQFFAEATKEPGTAFEYSEFGSMEGFISSDTVQIADICVTDQFFAEATSEPGTTFVDSEFGSMEGFISSDTVQIADICVTDQFFAEATSEPGTTFVDSEFGSMEGFISSDTVQIADICVTDQFFAEATSEPGTTFVDSEFGSMEGFISSDTVQIADICVTDQFFAEATSEPGTTFVDSEFGSNLSGYLVEDNVNVAGLSITGQQTFAVATSEPGTTFVAAQFGSLTFQIADICVTDQFFAEATSEPGTTFVAAQFGSLTFGVAAQF
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UniRef90_E1GJG2 UniRef90_W8BC89 UniRef90_Q800A0	GSMEGFI SSDTVCI ADI CVTDQPFAEATSEPGVTFVMAKF GSLSGYLVEDNVNVAGLSI TGQTFAVATSEPGTTFVDSEF GNLTGLLGIDQVTVQGI TVQSQTFAESVSEPGSTFQDSNF
UniRef90_IZJR39 UniRef90_M4TP82 UniRef90_UPI0004414A08 UniRef90_F4NZG7	GS M C G T I S Q D T L K I S D L E I I N Q D F A E A T E E P G L A F A F G K F G S M E G F I S Q D T L K I G D I S I P G Q D F A E A M K E P G L A F A F G K F G A I F G V I S Q D T V T I G G I T I F N Q G F G F S V K F P G I T F A V G F F
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UniRef90_H2ZZV4 UniRef90_UPI0003338EBC UniRef90_D0VFG1	GSLSGYLSQDTVTLGDIVVTKQVFGEALKQPGMTFIAAKFGSLSGYLSQDTVNTEGLQVKKQLFGEATKQPGVTFIAAKFGSMKGFISLDTVCVALCQCARDQPFAEAASEPGLTFVAAKF
UniRef90_G1LM29 UniRef90_F8RNZ7 UniRef90_B4JMF8 UniRef90_H2Y0H5	GSLT GFL STDTVTVA GI AVK G QT F A E AT Q Q P GLT F VA A K F GSL S G F L STD D V D V S GL T L K S Q T F A E A T N E P G T S F N N A K F G S L S G V V S S D L V S L A G V K S K N Q L F A E A T K E P G L T F V A A K F
UniRef90_X8JRA9 UniRef90_F1RIE7 UniRef90_B4J475	GSLEGFMSQDTLNIAGLSVKNQDFAEATKEPGLAFAFGKF GEMSGFLGHDTVRLGQLTSTDQAFGLSKEELSRTFEHALF GSLTGYLSQDTVRMAGLELLNQTFAEATDMPGPLFLAAKF
UniRef90_I1C131 UniRef90_H3B1M9 UniRef90_L5KRS4 UniRef90_W8BA86	GSLAGII GSDTVTVEGII AVKSQSFGESVTEPGSTFVDAAFGIMSGFLAGII GSDTVTVEGII AVKSQSFGESVTEPGSTFVDAAFGIMSGFLAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGA
UniRef90_K5WK40 UniRef90_UPI0003C2963D UniRef90_P16476	GSMEGFVSRDVLTMGDITIGQQDFAEATKEPGLAFAFGKF GSLTGLVGSDQVTVEGITVVNQQFAESVSEPGNAFADAEF GDMEGTVGCDTVTVASLMDTNQLFGLSTSEPGQFFVYVKF
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UniRef90_A0FIJ5 UniRef90_B5X234 UniRef90_F7GKP1 UniRef90_A8Q838	GSLSGYLSQDTVNTEGLQVKKQUFGEAIKQPGWTFIAAKFGSMKGFISLDTVQVAELQVKKQUFGEAIKQPGWTFIAAKFGSMKGFISLDTVVNTEGLQVKKQUFGEATKQPGWTFIAAKFGSMKGFISLDTVVNTEGLQVKKQUFGEAAASEPGWTFVAAKFGSMKGFISLDTVVNTEGLQVKKQUFAEAAASEPGWTFVAAKFGSMKGFISLDTVVNTVAGIAVKGQTFAEATAQPGWTFVAAKFGSLSGFGLSLREPGKFMEYAVFGSLSCTDTVTVAGIAVKGQTFAEATAREPGTFNNAAKFGSLSGFLSTDDVDVDVSGLTTLKSQTFAEATAREPGTFNAAKFGSLSGFWSQDTLNIAGVKSKNQLFAEATKEPGLAFAFGKFGSLSGFWSQDTLNIAGVKSKNQLFAEATKEPGLAFAFGKFGSLSGFWSQDTLNIAGVKSQTFAEAATKEPGLAFAFGKFGSLSGFWSQDTVRMAGLSVKNQDFAEAATKEPGLAFAFGKFGSLTGYDDAAAKFGSLTGGWNSQDTLRVGGGIEIRDQGFAESTVEPGSTFVDAAAKFGSLTGGWNSQDTLRVGGGIEIRDQGFAESTVEPGSTFVDAAAFGGSLAGWVSQQFAESTVEPGSTFVDAAAFGGSLAGWVSGAFGLSVTEPGSTFVDAAAFGGSLAGWVSGAFGGSVJTEPGSTFVDAAAFGGSLSGFLGYDNVQIGSLVVVSQAFGLSVKSFENGTFGSLSGFLSQDTVTVEGIAVKSQSFGESVKEPPGTFVVNAEFGSLSGFUSDTVTVEGITVVNAQGFAEATKEPGWAFAAFGKFGSLSGFUSDTVTVEGITVVNAQGFAEATKEPGWAFAAFGKFGSLSGFUSDTVTVEGITVVNAQGFGESVKEPPGQTFVNAEFGSLSGFUSDTVTVEGITVVNAQGFGESVKEPPGTTFVVYSEFGSLSGFUSDTFVVXAFFGSLSGFUSDTFFVYXSEFGSLSGFUSDTFFVYXSEFGSLSGFUSDTFFVYXSEFGSLSGFUSDTVTVAASLMDDTNQQFGEAVKQPGWTFVYSAKFGSSLSGFUSDTVTVQGGVPFGEAVKQPGWTFAAFAFGKFGSLSGFUSDTFFUSDSLAGWVTGQQFGEAVKQPGWTFAAFAFGKFGSLSGFUSDTFFUSDSLAGWVTGQQFGEAVKQPGWTFAAFAFGKFGSLSGFUSDTFFUSDSLAGWVTGQQFFGEAVKQPGWTFAAFAFGKFGSLSGFUSDTFFUSDSLAGWVTGQQFFGEAVKQPGWTFAAFAFGKFGSLSGFUSDTFFUSDSLAGWVTGQQFFGEAVKQPGWTFAAFAFGKFGSLSGFUSDTFFUSDSLAGWVTGQQFFGEAVKQPGWTFAAFAFGKFGSLSGFUSDTFFUSDSLAGWVTGQQFFGEAVKQPGWTFAAFAFGKFGSLSGFUSDTFFUSDSLAGWVTGQQFFGEAVKQPGWTFAAFAFGKFGSLSGFUSDTTFFUSDSLAGWVTGQQFFGEAVKQPGWTFAAFAFGKFGSLSGFUSDTFFUSDSLAGWVTGQQFFGEAVKQPGWTFAAFAFGKFGSLSGFUSDTFFUSDSLAGWVTGQQFFAEAUKEPGGLAFAFAFGKFGSLSGFUSDTTFWSQGWTFAAFAFGKFGSLSGFUSDTTFAAFAFGKFGSLSGFUSDTTWAPGPWTTAAFG
UniRef90_C8YZ52 UniRef90_K2R5R4 UniRef90_Q291K6	GS S G Y L S T D T V A V G S L A V R Q Q T F A E A L S E P G L A F V A A K F G S L S G F V S N D V F T I G D L T V K D Q D F A E A T S E P G L A F A F G R F G S L A G Y L S S D T V R V A G L E I Q N Q T F A E V T T M P G P I F L A A K F
UniRef90_UPI00033349A1 UniRef90_B5G4Y2 UniRef90_E3JVP3	GSVQGFLGSDTIAVSNIVVPQQIVGLSTWEPGDIFTYFPFGSVSGILSTDYVSVGTVTVKNQTFGEAMKEPGIAFVAAKFGSLEGVISNDVLTIGDLTVPDVDFAESTKEPGLAFAFGKF
UniRef90_A7TH54 UniRef90_UPI0003F0CD95 UniRef90_P70269 UniRef90_UPI0003C2674C	GSLSGFVSNDVFTI GDLTVKDQDFAEATSEPGLAFAFGRFGSLAGYLSSDTVRVAGLEI QNQTFAEATSEPGLAFAFGRFGSVQGFLGSDTI AVSNI VVPQQLVGLSTWEPGDI FTYFPFGSVQGFLGSDTI AVSNI VVPQQLVGLSTWEPGDI FTYFPFGSVQGFLASTDYVSVGTVTVKNQTFGEAMKEPGI AFVAAKFGSLEGVI SNDVLTI GDLTVPDVDFAESTKEPGLAFAFGKFGSMEGYI SQDVLQI GDLVI PGQDFAEATSEPGLAFAFGKFGSMEGYI SQDVLQI GDLVI PGQDFAEATSEPGLAFAFGKFGSLSGYLSQDTVTVLVRVDGVKVKQQTFGEAVKQPGVTFVNAEFGSLSGYLSQDTVTLGGLKVKDQVFGEAVKQPGVTFVNAEFGSLSGYLSQDFVTLGGLKVKDQVFGEAVKQPGVTFVNAAFFGSLSGYLSGYLVQDTVNVDGLGI ENQVFAAEATSEPGDTFVYAPFGSLSGYLVQDTVNVDGLQI ENQVFAAEATSEPGDTFVYAPFGSLSGYLVQDTUNVDGLQI ENQVFAAEATSEPGLAFAFGKF
UniRef90_Q9VLK3 UniRef90_UPl0003C3A275 UniRef90_J3PKM1	GSLTGYLSTDTVDVNGLSI QSQTFAESTNEPGTNFNDANF GSLSGYLVQDTVNVDGLQI ENQVFAAATSEPGDTFVYAPF GSLSGFVSNDVMQI GDI KI KNQDFAEATKEPGLAFAFGRF GSLEGYI SQDTLSI GDLTI PKQDFAEATSEPGLAFAFGKF
UniRef90_C5DF06 UniRef90_R8BRR2 UniRef90_A1Z9Q9	GSLEGYISQDTLSIGDLTIPKQDFAEATSEPGLAFAFGKFGSLSGFVSQDVMTIGDLKIKSQDFAEATSEPGLAFAFGRFGSLSGFLSTDTVRVAGLEIRDQTFAEATEMPGPIFLAAKFGSLTGFLSGDKTCVGDLCVEKQLFAEATNEPGLTFVAAKF
UniRef90_F2TYL4 UniRef90_UPI0003D08F1B UniRef90_R1FDD0 UniRef90_UPI000443F48D	GSLTGFLSGDKTCVGDLCVEKQLFAEATNEPGITFVAAKF GLMTGFLAYDTVEVGDIQITHQIFGLSTNESFFTLYFLSF GSMSGFISHDKISVGSLTLKNASFAEAVTEPGAAFVLSKF GSMTGLLGYDTVQVAGIADTNQIFGLSETEPGSFLYYAPF
UniRef90_UPI000443F48D UniRef90_E3TE66	G S M T G I L G Y D T V Q V A G I A D T N Q I F G L S E T E P G S F L Y Y A P F G S L S G F F S Q D T V T L A G L G V Q N Q M F A E A V K Q P G V V F A L A K F

QUERY UniRef90_C3UTC4 UniRef90_E0VMS3 UniRef90_G3VHT8 UniRef90_D3TMW6 UniRef90_Q9DEC4 UniRef90_UPI0003299E2B UniRef90_UPI0003299E2B UniRef90_A0A034VZG4 UniRef90_G6R6N8 UniRef90_G6R6N8 UniRef90_M3WJA1 UniRef90_UPI00032B1E3E UniRef90_A0A034WCQ1 UniRef90_UPI00032B1E3E UniRef90_UPI00032B1E3E UniRef90_UPI00034WCQ1 UniRef90_UPI00034WCQ1 UniRef90_UPI000343C26 UniRef90_UPI000343C26 UniRef90_UPI0002C435B9 UniRef90_UPI0002C435B9 UniRef90_UPI0002C435B9 UniRef90_UPI0002C435B9 UniRef90_UPI0002C435B9 UniRef90_UPI0002C435B9 UniRef90_UPI0003C42366 UniRef90_UFICE UniRef90_UFICE UniRef90_UFICE UniRef90_UFICE UniRef90_UPICO025BEAD7 UniRef90_UFICE UniRef90_UFICE UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICO03C42366 UniRef90_UPICOCACACACACACACACACACACACACACACACACACAC	\$	
UniRef90_F7GKP1 UniRef90_A8Q838 UniRef90_C8YZ52 UniRef90_K2R5R4 UniRef90_Q291K6	G M A Y P P A T N T S S A F P D D T S S A F P D D T R S A F P D D T R S A F P D D T R S A F P D D T S A F P D D T S A F P D D T S A F P D D T S A F P D D T S A F P D D T S A F P D D T S A F D D T S A F D D D T S A F D D D T S A F D D D T S A F D T S A F D T S	SVNKIVPPFYRMKEQNLLDQNQFGFYLNR AVDGVTPVFYNMVKQSLIPAPVFSFYLNR SVNHIVPPFYNMIDQGLLDEPVFAFYLSD SMQDVKPPFYNMIDQGLLDEPVFSVYLNR ASRYSVPVFDNMMDRHLVAQDLFSVYM ISVDGVPTLFDNMISQGLVSEPVFSFYLDR ASRYSVPVFDNMMDRHLVAQDLFSVYM ISVDGVPTLFDNMISQGLVSEPVFSFYLDR AVNRVVPPFYNAINKKLVDEPIFSFYLDR SVNNVVPPFYNAINKKLVDEPIFSFYLDR SVNNVVPPFYNAINKKLVDEPIFSFYLNR LAAGGVTPVFDNMMAQNLVALPMFSFYLNR LAVDDVTPPWYNMVSQGLVDNSVFSFYLNR LAVDDVTPPWYNMIHQGLVTNKVFSFHLAR SVNKKVTPFFDNVMRQQLIEKNIFSFYLNR LAVDDVTPPWYNMIHQGLVTNKVFSFHLAR SVNKKVPPFYNMVNQGLLDEPRFAFYL SVNKMVPPFYNMVNQKLLDEPVFAFYLG SVNKMVPPFYNMVNQKLLDEPVFAFYLG SVNKMVPPFYNMVNQKLLDEPVFAFYLG SVNKMVPPFYNMVNQKLLDEPVFAFYLG

QUERY	170 180 190 200 A A S N S D G D F T M P G W D N K Y G G T L L N T N I D A G E G Y W A L N V
UniRef90_C3UTC4 UniRef90_F5HIR1 UniRef90_E0VMS3 UniRef90_G3VHT8	D P N A E V G G E V F G G S D P K Y Y T G D F T Y L P V T R K G Y W Q L K M D D P S A A E G G E I F G G S D S K H Y T G D F T Y L S V D R K A Y W Q F K M D
UniRef90_D3TMW6 UniRef90_Q9DEC4 UniRef90_J4GNL2	DPKAPEGGEI I FGGSDPNHYKGEFTYLPVTRKAYWQIKMD SSQGQSGSFVLFGGVDTSYYTGNLNWVPLTAETYWQITVD GSSEEDGGEAVFGGLDRTAYTGSLDYVPVRRKAYWEVELQ
UniRef90_UPI0002A48EC7 UniRef90_UPI0003299E2B UniRef90_A0A034VZG4 UniRef90_G4VEV7	NPDTEPGGELLLGGTDPKYYSGDFHYVNISRQAYWQLHMD EGTTVLGGELTIGGIDATHYTGAITYVPVVPQGYWQFFLN NGTSTQGGELTLGGVDSNHYVQGELTYVPVVSEGYWQFNMD
UniRef90_G4VLV7 UniRef90_F1RUW7 UniRef90_Q6R6N8 UniRef90_M3WJA1	QQSSQDGGELVLGGVDSSLYTGQIYWAPVTQYWQIGIEEF SSWPHKSSLLMLGGVDHAYHKGAKWVPVTEAGLWQITVDR SGNDQSGSVVMFGGIDSSYYTGNNWIPVSVEGYWQISVDS
UniRef90_U3JCU9 UniRef90_UPl00032B1E3E UniRef90_A0A034WCQ1 UniRef90_L5LXE3	N P N E K V G G E L L L G G S D P N Y Y K G N F T Y L P V N R K A Y W Q F Q M D N R H G P G S M L T L G A L D S S Y Y T G S L H W V P L T V Q G Y W Q F S V D R D P K A P E G G E L I F G G S D P N H Y K G E F T Y L P V T R K A Y W Q L K M D S S Q G Q 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 L T V D G S S E E D G G E A V F G G L D R T A Y T G S L D Y V P V R R K A Y W E V E L Q N P D T E P G G E L L L G G T D P K Y Y S G D F H Y V N L S R Q A Y W Q L H M D E G T T V L G G E L T L G G V D S N H Y V G E L T Y V P V V P Q G Y W Q F F L N N G T S T Q G G E L T L G G V D S N H Y V G E L T Y V P V V S E G Y W Q F N M D N L S A V L G G E L M L G G V D S S L Y T G Q L Y W A D L T E Q S Y W L F K M D Q S S Q D G G E L V L G G V D S S L Y T G Q L Y W A D V T Q Y W Q L G L E E F S S W P H K S S L L M L G G V D S S L Y T G Q L Y W A D V T Q Y W Q L G L E E F S S W P H K S S L L M L G G V D S S L Y T G N N W L P V S V E G Y W Q L Q L D G S Q Q G T D G G A L L E G G F D S S R F T G T L N W V P V T Q Q G Y W Q L Q L D G S Q Q G T D G G A L L L G G I D S D H Y E G D L T Y V P A S K G Y W Q F T V D R S R S A Q G S M L T L G A V D P S Y Y S G T L H W V P V T V Q D Y W Q F T M D S
UniRef90_UPI0003343C26 UniRef90_UPI0002C435B9 UniRef90_C3YUT2	TNEEKNSS <u>VVMFGGVDPAYYKGENWVPVTRPFFWQFTV</u> SS
UniRef90_P27822 UniRef90_S2JLE6 UniRef90_U5EX48 UniRef90_M3WZ94	SSDDESGSVVMFGGIDSSYYTGSNWVPVSYEGYWQITLDS GEEGAAGGELVFGATDPSHYSGELVWSDVRRKGYWEITME NRDPSAEGGEI IFGGSDPKHYKGDFTYLPVDRKAYWQFKM DRNGPGSMLTLGAIDPSYYTGSLHWVPVTVQEYWQFTVDR NDTDVIGGELMLGGYDASLIDGPITYAPITREAYWEFHTD DPNAEFGGEMILGGSDPNHYVGPFTYVPVDKKGYWQFMDR
UniRef90_U6l2U0 UniRef90_UPl000258EAD7 UniRef90_G1X6l4	NDTDVIGGELMLGGYDASLIDGPLTYAPITREAYWEFHTD DPNAEFGGEMILGGSDPNHYVGPFTYVPVDKKGYWQFMDR LGREEDESEAVFGGIDKSHYTGDLTWVDVRRKAYWEVPFD
UniRef90_Q9JKE6 UniRef90_I1CLC6 UniRef90_UPI0003C42366 UniRef90_V5ND85	N K D Q D N G G E L I F G G V D P S Y Y H G E H WV P V S K P S Y W Q E A V D S N K D Q D N G G E L I F G G V D E D H F E G D I H W S D V R R K G Y W E I T M E Q P S S Q Y G G E V V F G G V D S S L Y S G Q I Y W A P V T Q Q L Y W Q I G I D G S D F N D G G F A T F G G I N P S S Y R G D I T Y V P V R K N A Y W F V A I D
UniRef90_I3M846 UniRef90_M7NNW9 UniRef90_M5GBQ7	QGGSEDGGAVIFGGVDESLYTGQIFWAPVTRELYWQIGIQ DEKDDEGGECVFGGIDPNHFDGNITYIPIRRKAYWEVNLD GNSDADGGEATFGGIDESAYTGKIDYVPVRRKGYWEIELD
UniRef90_UPI000388DC3D UniRef90_E1GJG2 UniRef90_W8BC89 UniRef90_Q800A0	DPNAEFGGEMILGGSDPNHYVOGPFTYVPVDKKGYWQFMDR LGREEDESEAVFGGIDKSHYTGDLTWVDVRRKAYWEVPFD SSKDEKGSMLMLGGVDPSYYHGEHWVPVSKPSYWQLAVDS NKDQDNGGELIFGGVDEDHFEGDIHWSDVRRKGYWEITME QPSSQYGGEVVFGGVDSSLYSGQIYWAPVTQQLYWQIGID GSDENDGGEATFGGINPSSYRGDITYVPVRKNAYWEVALD QGGSEDGGAVIFGGVDESLYTGQIFWAPVTRELYWQIGIQ EKDLEGGGECVFFGGIDPNHFDGNITYIPIRRKAYWEVNLD GNSDADGGEATFGGIDPNHFDGNITYVPVRRKAYWEVNLD SSDEQSGSFVMFGGIDSSYYSGSLNWIPLSAETYWEITMD NPNDELGGEITLGGLDSNYSGSLNWIPLSAETYWEITMD NPNDELGGEITLGGLDSDHYEGEITYVPVSSKGYWQFRNL DPNSADGGELVLGGFDTSRFSGQNWVPITVQGYWQIGVDS TSKTEDGGCVDTFGGIDDSKFTGKITYVPVRRKAYWEVKFE KEGAKPGGELVLGGSDPKHYSGNFTYPVSKKGYWQFKMDG GASESDGGSAVFGGVDSSHYKGQITYVPVRRKAYWEVELE
UniRef90_I2JR39 UniRef90_M4TP82 UniRef90_UPI0004414A08 UniRef90_F4NZG7	T S K T E D G G V C T F G G I D D S K F T G K I T W L P V R R K A Y W E V K F E K E G A K P G G E L I L G G S D P K H Y S G N F T Y P V S K K G Y W Q F K M D G G A S E S D G G S A V F G G V D S S H Y K G Q I T Y V P V R R K A Y W E V E L E
UniRef90_UPI0003D0BF04 UniRef90_Q68A00 UniRef90_U4USP0	S S S G E E G G E I V F G G V N H D H F K G A V T WV P V V R K A Y WE V E L E S S Q D G S Q G G E L V F G G V D S N L Y T G Q I I WT P V T Q E T Y WQ I A I G S Q Q D A T N E G I L G G V D E S L Y S G A I S W T P V T Q E L Y WQ I G I E D A D G N V G G E I L F G G S D S D Y Y E G E F T Y L N V D R Q A Y WQ V K M D N P K T Q P G G E L L I G G T D P K Y Y T G D F H Y N I T R K A Y WE I H M D E D P T A Q P G G E L M L G G I D S K Y Y K G S F A Y N V T R K A Y WQ I H M D Q
UniRef90_H2ZZV4 UniRef90_UPI0003338EBC UniRef90_D0VFG1 UniRef90_G1LM29	N P K T Q P G G E L L I G G T D P K Y Y T G D F H Y N I T R K A Y WE I H M D E D P T A Q P G G E L M L G G I D S K Y Y K G S F A Y N V T R K A Y WQ I H M D Q T P D D E I G G E I T F G G T D P K H F V E P I V Y A P V T R R A Y WQ F K M D S K K E E E G S V V M F G G V D H S Y Y S G E N W V P V S R P F Y WQ L S M D S D P G A S D G G E L I L G G S D S K Y Y K G N F T Y L P V T K Q G Y W R F K M D
UniRef90_F8RNZ7 UniRef90_B4JMF8 UniRef90_H2Y0H5	D G I S I I D G G E L I F G G S D P A K Y I G D L S Y V P I S E Q G Y W Q F A V I D A N A S S G G E L I Y L G G V D T K K F T G F S Y H P V T V K G Y W Q I S M D S
UniRef90_X8JRA9 UniRef90_F1RIE7 UniRef90_B4J475 UniRef90_I1C131	G S S E A D P G E A V F G G I D E S H Y K G K I Q Y V P V R R Q A Y W E V E L E S T N K E E G S V V M F G G V D K K Y Y K G D K W V P L S K P H Y W Q I A L D R D S T S L Q G G Y L F F G G S S R R Y Y R G N F T Y V P V T H R A Y W Q V K L E D G N N N L G G E L A F G G I D E A R F S G N I T W S P V T R K G Y W E I E L Q
UniRef90_H3B1M9 UniRef90_L5KRS4 UniRef90_W8BA86	SINKEEGSIV VMFGGVDKKYYKGDKWVPLSKPHYWQIALDR DSTSLQGGYLFFGGSSRRYYRGNFTYVPVTHRAYWQVKLE DGNNNLGGELAFGGIDEARFSGNITWSPVTRKGYWEIELQ NPDYSQGGELIFGGFDSSHFSGKLNWVPVAKQGYWQIKDS SSNNKKRSVVLFGGVDPSYYKGDKWVPVTQRGFWQISMDS DGTSSQGGMILGGSDSSLYQGGLTYVPISTQGYWQFSLG GSTEEDAGEATFGGIDESAFEGKLHRVPVRRKAYWEVELE NPESSAGGELLFGGFDPSHFSGTLSWVPVTKQGYWQIQDN SREPMGSMVVFGGIDESYFTGSINWIPVSYQGYWQISMDS
UniRef90_K5WK40 UniRef90_UPI0003C2963D UniRef90_P16476 UniRef90_UPI000328FAE1	N P E S S A G G E L L F G G F D P S H F S G T L S WV P V T K Q G Y WQ I Q D N S R E P M G S M V V F G G I D E S Y F T G S I N WI P V S Y Q G Y WQ I S M D S N P E G G S G S E L I F G G Y D H S H F S G S L N W V P V T K Q G Y WQ I S D E
UniRef90_A0A034VVC0 UniRef90_H0XKR9 UniRef90_A0FIJ5 UniRef90_B5X234	NPEGGSGSEL FGGYDHSHFSGSLNWVPVTKQGYWQISDEDGLSANGGELTLGGYDTTHFIGDITYTPVTLEGYWQFNVEQPTAQYGGELTLGGYDDSGCYSGEIVWPVTQEMYWQIAIQNASDPVGGELLLGGIDPNYYTGDITYVPVTHEAYWQFKVDDPLAAVGGELMLGGTDPLYYTGDHYVNVTRKAYWQIEMSNSQQSSQSGGEVIFGGVDNNLYSGQIYWAPVTQELYWQIG
UniRef90_F7GKP1 UniRef90_A8Q838 UniRef90_C8YZ52	SQQSSQSGEVIFGGVDNNLYSGQIYWAPVTQELYWQIGI GSSESEGGEATFGGVDPSRFEGPLVYAPVRRRGYWEVALN DPSSPEGGELILGGSDPNYYSGNFTYIPVDRKGYWQIKMD TNDEGSESVATFGGDDESHYTGKLTKIPLRRKAYWEVDLD
UniRef90_K2R5R4 UniRef90_Q291K6 UniRef90_UPI00033349A1 UniRef90_B5G4Y2	SRNDYGSMLTLGAIDQSYYTGPLHWVPVTVQGYWQFTVDS NASDPVGGFILLGGTDPKYYKGFILWAPILTHFAYWQFKVD
UniRef90_E3JVP3 UniRef90_A7TH54 UniRef90_UPI0003F0CD95	NKADPNGGEVVFGGVDEAHYEGEIFFYAPVRRRGYWEVELK DTKSEDGGQVTFGGYDSSLFTGDLTWLPVRRKAYWEVKFD DPTAQPGGELMUGGUDSKYYKGSMTYLNVTRKAYWQLHMD
UniRef90_P70269 UniRef90_UPI0003C2674C UniRef90_Q9VLK3 UniRef90_UPI0003C3A275	DPQGGSGSELTFGGYDPSHFSGSENWIPVTKQAYWQIADGDPTAQPGGELLLGGTDPKYYSGDFNWNVTRSAYWQIRMDRDGTSTMGGELIFGGSDASLYSGALTYVPI SEQGYWQFTMDGTSDDGGLMVLGGNDANHYTGDFTYVPV SEKGYWQFEM
UniRef90_J3PKM1 UniRef90_C5DF06 UniRef90_R8BRR2	LADQDDESEALFGGINKDHIDGKI LEIPLRRKAYWEVDFD NNADDSEESTTFGGIDSSKYKGNI TWLPVRRKAYWEVDFD NNADDSEESTTFGGIDSSKYKGNI TWLPVRRKAYWEVDLD SRNGEKDGGALFFGGSNPHYYTGKLTTLPLRRKAYWEVDLD SRNGEKDGGALFFGGSNPHYYTGNFTYVQVSHRAYWQVKM VQGAPSGGELTLGGYDPKHMSGPIQWVPLTRDGYWQFAMD
UniRef90_A1Z9Q9 UniRef90_F2TYL4 UniRef90_UPl0003D08F1B UniRef90_R1FDD0	SKDPKOTPGMIFIGGVIDDSVTSGSILNIFILSAEITWQLIMD
UniRef90_UPI000443F48D UniRef90_E3TE66	S G N D Q S G S V V M F G G L D S S Y F T G S L N W V P V T A Q G Y W Q L T V D D P K A E V G G E L M L G G C D K Q Y F D G D H Y L N V T R K A Y W Q I K M D T

SURPHY		210 220 230 240
June 2016 California Cali	QUERY	T G A T A D S T Y L G A I L D T G T S L L I L P D E A A V G N L V G F A
JARBORD COVANDA A	UniRef90_F5HIR1	SVTVGDAQYCNNGCEAI ADTGTSLIAGPVAEVTAI NKAVG
Thinkengo Stanton St	UniRef90_E0VMS3	KVMMEDITVCRGGCQAI ADTGTSLIAGPVEDVNKI NKKLN
June Part	UniRef90_D3TMW6	SASMGNLNLCQGGCQVIADTGTSLLVGPSTDISNIQSVIG
Thinkellong Thinkellong	UniRef90_Q9DEC4	SISIGGQVICSGSCSALVDTGTSLLAGPSTPLANIQYYIG
Jimelego Dipidozo299E29 Jimelego Apoy34VC54 Jimel	UniRef90_J4GNL2 UniRef90_UPI0002A48FC7	KVALGODELDEEHTGAATDTGTSLTALPTDLAEMINTQIGGMAVGSQSLCKGGCFALVDTGTSLTTGPSAFVKALQKALQKALG
Marsengo Marsengo	UniRef90_UPI0003299E2B	S V G N N S V C N S C S A I A D S G T S L L G V P T N T Y L F V Q N Y V G
Jankengo Jankengo	UniRef90_A0A034VZG4 UniRef90_G4VEV7	SIVITINDEYILODE OSAHADI GISLLAVPI DILIYESIVQNAH G
JAMES JAME	UniRef90_F1RUW7	LIGDEASGWCSEGCQAI VDTGTSLLTVPQDYLSDLVQATG
Jimeres Jime	UniRef90_Q6R6N8 UniRef90_M3WJA1	II S M N R K V I A C S G G C Q A I L D [
Junkelson Junk	UniRef90_U3JCU9	NIQGGTVTFCAGGCQAI VDTGTSLIAGPTKEVKE IQNLI
Jimeres Jime	UniRef90_UPI00032B1E3E UniRef90_A0A034WCQ1	DTVYLGDSFFSYFDSALADTGTSLVAVPYYLYGYLQFLIG
	UniRef90_L5LXE3	VTVDGVVVACDGGCQAIIDTGTSMLVGPSSDILSIQKAIG
Jinkelso C37V1T2	UniRef90_UPI0003343C26 UniRef90_UPI0002C435B9	I S M N G A V I G C D S G C H A I L D T G T S L V T G P P E P I F N I Q R I I N
Timeston State S	UniRef90_C3YUT2	GINVGGSTFCQEGCQAI ADTGTSLIAGPLEEVNKLHKQIG
Jinkergo USEX48	UniRef90_P27822 UniRef90_S2JLE6	DILKFGGESI ELDPVGA AN DTGTSLLAGPTSAN QSYNG
June 1990 University Univ	UniRef90_U5EX48	DKVQIDGQDFCNNCEAIADTGTSLIAGPTNEITSINKKIG
Jinkergo Duploo02582407 Jinkergo Galkies Jinkergo Galkies Jinkergo Galkies Jinkergo Galkies Jinkergo Galkies Jinkergo Galkies Jinkergo Galkies Jinkergo Galkies Jinkergo Galkies Jinkergo Galkies Jinkergo Jinkergo Jinkergo Galkies Jinkergo Jinke	UniRef90_U6I2U0	KI ELNGODICE GGCAAI ADTGTSLITGPKKKI EKLAELK
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Jimikagio Vishogas	UniRef90_I1CLC6 UniRef90_UPI0003C42366	NILK F G D D Y IV DIL D P IV G A A I D T G S S L L V A P T T IV A A L I N K E L G F F A L G G O G W C S O G C O A L V D T G T S L L T IV P O O L M S S F L O D V G
Jimereigo Jime	UniRef90_V5ND85	KUSFGSDELLELESTGAAIDTGTSLIALPTDMAEMLNAQIG
Jimreigo Miscro	UniRef90_I3M846 UniRef90_M7NNW9	AFFFGKDMIFISNTGI I DTGTSI I VMPSDVSFI I NNAI G
Jinkergo Delicaido de la companya del companya del companya de la	UniRef90_M5GBQ7	KI SUGGEDLELESTGAAIDTGTSLIAUPSDIAEMLNKEIG
Jinker90 W8BC89 Jinker90 Jinke	UniRef90_UPI000388DC3D UniRef90_E1GJG2	SIL Q G D G K I S C A N G C Q A II A D T G T S L L A G P K S Q II D K II Q K Y II G
Jinkeys Johnson Johnso	UniRef90_W8BC89	DSVFVGGVEFTSEGSAIADTGTSLIAVPYYLYQDLQYALG
Junker90 M4TP82 Junker90 JUN000414008 Junker90 JUN00040414008 Junker90 JUN000300BF0 JUN00300BF0 JUN003030BF0 JUN0030BF0 UniRef90_Q800A0 UniRef90_I2JR39	GI GLG DEYAELQSHGAAI DTGTSLIVLPSQLAEI LNSEI G	
Section Sect	UniRef90_M4TP82	ISVKGKGSFCKGGCQAIADTGTSLLAGPTAEVNKIQTMIG
JAIRGE90 UP10003D08F04 JAIRGE90 UP10003D8F04 JAIRGE90 UP100033BEBC JAIRGE90 UP100033BEBC JAIRGE90 UP100033BEBC JAIRGE90 UP100033BEBC JAIRGE90 UP100033BEBC JAIRGE90 UP100033BEBC JAIRGE90 SOLVPG1 JAIRGE90 SOLVPG1 JAIRGE90 SOLVPG1 JAIRGE90 SOLVPG1 JAIRGE90 SOLVPG1 JAIRGE90 SOLVPG1 JAIRGE90 SOLVPG1 JAIRGE90 SOLVPG1 JAIRGE90 SOLVPG1 JAIRGE90 SOLVPG1 JAIRGE90 BAJMF8 JAIRGE90 BAJMF8 JAIRGE90 SOLVPG1 JAIRGE90 SOLVPG	UniRef90_F4NZG7	GVTI GGKKLALKSSRAAI DTGSSLEALPVAEADAI NGLLG
SININGERO JAUSPO SININGERO JAUSPO SININGERO JAUSPO SININGERO JAUSPO SININGERO JAUSPO SININGERO JAUSPO SININGERO JAUSPO	UniRef90_UPI0003D0BF04	X R V S F T T G W C S S G C Q G I V D T G T S L L T A P G D V Y S N L L E S I G
Jinkef90 Jinkef90	UniRef90_U4USP0	SVKVNSSTFCDGGCEAI VDTGTSLLTGPSAEI KALNKLIG
Jirikef90 DOVFG1	UniRef90_H2ZZV4 UniRef90_UPI0003338FBC	L NI G S QL T V C K G G C Q A I V D T G T S L I A G P R E E I E A L Q K A I G
Jinkef90_F8RNZ7	UniRef90_D0VFG1	KISGQDGTACSDGCQAIADTGTSLIAGPKQQVQLIQKYIG
Jiriker90 P4JMF8 Jiriker90 P4JMF8 Jiriker90 P4JMF8 Jiriker90 P4JMF8 Jiriker90 P4JMF8 Jiriker90 P4JMF8 Jiriker90 P4JMF8 Jiriker90 P4JMF8 Jiriker90 P4JMF8 Jiriker90 P4JMF8 Jiriker90 P4JMF8 Jiriker90 P4JMF8 Jiriker90 P4JMF8 JIRIKER90 P4JMF8 JIRIKE	UniRef90_G1LM29 UniRef90_F8RNZ7	I S M N G V V I A C D S G C E A II I D T G T S L L I G P S D L V F N II Q K L I N G II M M N G K K Y C S G G C K A II A D T G T S L L A G P K T F V D A II N K Q I I G
JAINERGO _ 124 UP15 JAINERGO	UniRef90_B4JMF8	DSATIDGQTLGESFQAIADTGTSLLVVSSDAYDIL N
Jurkef90	UniRef90_H2Y0H5 UniRef90_X8JRA9	SVSLGDDVLELENTGAAIDTGTSLIACPTDEIEKINKLIG
Julikef90	UniRef90_F1RIE7	LTWRGEVIGCPRGCQAIMDTGTSLLIGPSKAV AKIHSLI
JniRef90	UniRef90_I1C131	NTKFNDQPMNMGSIGAAIDTGTSLLIAPTAVAEFVNNQIG
JinRef90	UniRef90_H3B1M9	MKUSGKVKFCEGGCQAI VDTGTSLITGPTKEITELQKDIG
JniRef90	UniRef90_W8BA86	GATI GGQTMCGDGCQALADTGTSLIVAPYNAYSVFMNVV
I	UniRef90_K5WK40 UniRef90_UPI0003C2963D	KIVIRILIG D D EILIEILIE D T G A AII ID T G T SIL I IAILIP T D M A E MII IN A QII G II IQIVIS G SIVIA F C A E G C Q A II VID T G T SIL I IT G P P S DI I K OII I O N A II
Juire190	UniRef90_P16476	I TVNKQELIA CSSGCQAII I DTĞTSL VAĞPASDII NDI QSAVG
JniRef90	UniRef90_UPI000328FAE1 UniRef90_A0A034VVC0	SITIGTSTAICYSCSAICDSGTSLLAVPTALLYTTVQAALG
JniRef90_B5X234 JniRef90_B5X234 JniRef90_B5X234 JniRef90_B5X234 JniRef90_C8Y252 JniRef90_C8Y252 JniRef90_C8Y252 JniRef90_UP100033349A1 JniRef90_UP100033349A1 JniRef90_D100033349A1 JniRef90_B5X272 JniRef90_B5X272 JniRef90_B5X272 JniRef90_B5X272 JniRef90_D1000350CD95 JniRef90_UP1000350CD95 JniRef90_UP1000350CD95 JniRef90_UP1000350CD95 JniRef90_UP10003C2674C JniRef90_	UniRef90_H0XKR9	EFSUGNQATOS QGOQGU VDTGTSLLTVPQQYUSSFVEATG
JniRef90	UniRef90_B5X234	VEVGNQLTLCKAGCQAII VDTGTSLII GPAEEVRVLHKAII G
JniRef90_C8YZ52 JniRef90_C8YZ52 JniRef90_C9Z91K6 JniRef90_D9Z91K6 JniRef90_B5G4Y2 JniRef90_B5G4Y2 JniRef90_B5G4Y2 JniRef90_B5G4Y2 JniRef90_B5G4Y2 JniRef90_B70Z69 JniRef90_P70Z69 JniRef90_P70Z69 JniRef90_UP10003C2674C JniRef90_UP10003C3C475 JniRef90_UP10003C3C475 JniRef90_J3PKM1 JniRef90_J4PL JNIREf90_J4PL JNIREf90_J4	UniRef90_F7GKP1	QEFSIIGGQWCSQGCQAIIVDTGTSILLTVPQQYMSAFLQATG
JniRef90_K2R5R4	UniRef90_C8YZ52	GI QMNRVPFCEGGCEAIADTGTSLIAAPVEEARSINKKIG
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A A G N E V A D D V N H G A A D T G T S C A E V T N S G G G G	UniRef90_B5G4Y2 UniRef90_E3JVP3	SMNVGSMKLOENGUQALADTGTSLIAGPSEEVGKLNDALG SVKFGKEEMKLHNVGAALDTGTSLIALPTDTAFLINAFLG
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IniRef90_UP10003C2674C	UniRef90_UPI0003F0CD95 UniRef90_P70269	
A G S S D G Y S D C Q A A D T G T S D Q Y E A Q E A Q E A G S D G Y S D G G S D Y S	UniRef90_UPI0003C2674C	LNVANGPTICKEGCEAI VDTĞTŠLITĞPTEEVKELQKALG
JniRef90_J3PKM1	UniRef90_Q9VLK3 UniRef90_UPI0003C3A275	T S A Y A N G V Q L C D Q C Q A II A D T G T S L I G V P S D Q Y E A II Q E A II G
JniRef90_R8BRR2 JniRef90_A1Z9Q9 JniRef90_F2TYL4 JniRef90_UP10003D08F1B JniRef90_UP1000443F48D JniRef90_UP1000443F48D JniRef90_UP1000443F48D JniRef90_UP1000443F48D JniRef90_UP1000443F48D JniRef90_UP1000443F48D JniRef90_UP1000443F48D	UniRef90_J3PKM1	ALALGDEVGELENTGVILDTGTSLNVLPTQLAEMLNAQIG
JniRef90_A1Z9Q9 D S A V I R N E L C Q Q G C E V I I D T G T S F L A L P Y D Q A I L I N E S I G JniRef90_F2TYL4 S L S V N G D S Y C S N C Q A I A D T G T S L L A G P T D A I K K L N K Q I G JniRef90_UP10003D08F1B R I M I N G E V A C T T G C Q A I I D T G T S L L T G P P N D V F L I L K H I G JniRef90_UP1000443F48D JniRef90_UP1000443F48D JniRef90_E3TE66 V E V G S T L T L C K D G C Q A I V D T G T S L L S G P T N A I A N I Q S A I G	UniRef90_R8BRR2	SISFGDATADLEKTGVILDTGTSLIALPSNMAEMMNKEIIG
Dinkef90_UP10003D08F1B	UniRef90_A1Z9Q9	D S A V I R N E L C Q Q G C E V I I D T G T S F L A L P Y D Q A T L I N E S I G
JniRef90_R1FDD0 D A V S V G S D V L T K G S A I A D T G T S L T V G P T E Q L K K V I G K L G G G G G G G G G	UniRef90_UPI0003D08F1B	RIMINGEVA CTTGCQAII DTGTSLLTGPPNDVFLILKHIG
JniRef90_E3TE66 VEVGSTLTLCKDGCQAIVDSGTSMITGPVEEIRALNKAIG	UniRef90_R1FDD0	DAVISIVIGGS DIV LITK GS A II ADTGTS LIVGPTEQLKKV LIGK LIG
	UniRef90_UP1000443F48D UniRef90_E3TE66	VEVGSTLTL CKDGCQAII VDSGTSMITGPVEEII RALINKAII G

QUERY QUERY G A Q D A A L G G F V L A C T S A G F K S L P W S L Y S A L F E L T P K D Y V L Uniref90 C3UTC4 A T A L I T A G E Y T V D C N K L S S M P N L D F V L G G K T F T L T P K D Y V L Uniref90 C5UMS3 G V P V S G E Y M V D C S S L L P S L P K L T T L G G K G T T T L T P K D Y V L Uniref90 C30 WH78 Uniref90 G3 WH78 A T Q G Y G E F D L D C S S L L P S L P K L N F V L K G R S F V L L E A K D Y L L Uniref90 D3TMW6 Uniref90 D3TMW6 Uniref90 D3TMW6 Uniref90 D9DEC4 A N Q D S N G Q Y M V D C S S L S S M P N L P K L N F V L K G R S F V L L E A K D Y L L Uniref90 L D91000248EC7 Uniref90 L D91000248EC7 Uniref90 L D91000248EC7 A N L D S Q S Q Y M L N C S S L S S M P N L D K L P V L T F N G K P Y P L K G T D Y V L L Uniref90 L D910003299E2B Uniref90 L D910003243EC3 A L L N E Y G E Y M L N E V L D C S K V P S L P E L V L T F N G K P Y P L K G T D Y V L L Uniref90 G6K8N8 P S P L I Q G Q Y G E Y M L N C C S N L S S L S S M P N L N C C T F T T S L S G S D Y L E A K D Y L D C S K V P S L P E L V L T F N G G Q S Y T L T G D Q Y V L D C S K V P S L P E L V L T F N G G C S Y T L T D S N N Y V V D C S K V P S L P E L V L T F N G G C T T F S L S G S D Y L E C S M S N Y S L P T L S F G L G C T T F S L S G S D Y L E C S M S L P T L S F G L G C T T F S L S G S D Y L E C S M S L P T L S F G L G C T T F S L S G S D Y L E C S M S L P T L S F G L G C T T F S L S G S D Y L E C S M S L P T L S F G L G C T T F S L S G S D Y L E C S M S L P T L S F G L G C T T F S L S G S D Y L E C S M S L P T L S F G L G C T T F S L S G S D Y L E C S M S L P T L S F G L G C T T F S L S G S D Y L E C S M S L P T L S F G L G C T T F S L S G S D Y L E C S M S L P T L S F G L G C T T F S L S G S D Y L E C S M S L P T L S F G L G C T T F S L S G S D Y L E C S M S L P T L S F G L G C T T F S L S G S D Y L E C S M S L P T L S F G L G C T T F S L S G S D Y L E C S M S L P T L S F G L G C T T F S L S G S D Y L E C S M S L P T L S F G L C G C T T F S L S G S D Y L E C S M S L P T L S F G L C G T T F S L S G S D Y L E C S M S L P T L S F T L N G C S M
UniRef90
DIREPO_JUPI0002248EC7
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UniRef90_M5GBQ7
UniRef90_W8BC89 A E P D Y Y G Q Y F I D C S Q V S L P T V S G R T F T L E G K D Y V L UniRef90 Q 800A0 G V T N T N G F Y G V S C S T S M P S V T F T L N G D Y S L T P F Q Y M V S C S T S M P S V T F T L N G D Y S L T P F Q Y M V S C S T S M P S V T F T L N G D Y S L T P F Q Y M V S C S T S M P S V T F T L N G D Y S L T P F Q Y M V S C S T S M P S V T F T L N G D Y S L T P F Q Y M V S C S T S M P S V T F T L N G D Y S L T P F Q Y M V S C S T S M P S V T F T L N G D Y S L T P F Q Y M V S C S T S M P S V T F T L N G D Y S L T P F Q Y M V S C S T S M P S V T F T L N G D Y S L T P F Q Y M V S C S T S M P S V T F T L N G D Y S L T P F Q Y M V S C S T
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UniRef90_R4WQM9 UniRef90_B4NEK1 UniRef90_UPI0004421079	NTEYYGTII SII GTPAQTFIVVLIFDTGSSNL GTAKEKL <mark>H</mark> DYMN AQYYGEVSII GTPPQKFTVI IFDTGSADF
UniRef90_F1RIE4 UniRef90_B7QBB2 UniRef90_U6P2M2	VEYYGPI TI GTPPQDFQVI FDTGSANL LRNYM DAQYFGTI QI GTPAQNFTVI FDTGSSNW
UniRef90_M9MC43 UniRef90_E3TGA3 UniRef90_Q28546	T G T E P M T N D A D L S Y Y G V I S L G T P A Q E F K V I L D T G S S N L T G T E P M T N D A D L S Y Y G V I S I G N P P Q S F Q V I F D S G S A N L T H P I R N A I D M A Y V G N V I G T P P K F F R V V F D T G S S D I
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UniRef90_R4GL36 UniRef90_G3N7P1 UniRef90_Q29KP5	AVAYEPLTNYL DSFYFGEI STGTPPQNFLVLFDTGSS N DSSYFGEI SI GTPPQNFLVLFDTGSS N VPMTFDPY TTYYGEI GI GSPPQIFKVLFDTGSADL TETLQNTLN MEYYGLI GI GTPEQIFRVLFDTGSANL
UniRef90_UPI0002742A94 UniRef90_R9AD87 UniRef90_H0XP70	VTSHSLRNYL DLEYVGLITIGTPPQTFEVMFDTGSAEL
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UniRef90_UPI0002C2E4E1 UniRef90_W5P1V0 UniRef90_V5NEJ5	VASEPLTSYL DSQYFGKI YI GTPPQEFTVVVFDTGSSDL NLTTFPLRNIM DMLYVGNI TI GTPPQEFQVLFDTGSSFL NVGPFPLVNYA DSQYFGEI GI GTPKQSFKVI FDTGSSNL
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UniRef90_UPI0002742A90 UniRef90_UPEBW0 UniRef90_F7E1Z0	NNYADTTYYGAI SI GTPPQSFQVLFDTGSANL NVTYESLSNFL DLAYVGLI SI GTPPQKFKVVFDTGSADL IGREILRNSLN TQYYGNVTLGTPPQELTVVFDTGSANL EPLTNYL DAQYFGEI GLGTPPQHFSVVFDTGSSNL SEPLFYSQSNVVYYGNI YI GTPPQGFLVQFDTGSANW
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UniRef90_C6ZP36 UniRef90_UPI0004416B61 UniRef90_K3W8C6 UniRef90_C3XQC3	WV P S K K C K L S DIL A C L H N K Y D S T K S S T Y K Q N G T H F E II R Y G T WV P S V K C T S I A C F L H Q K Y D S S Q S S S Y K A N G S E F S I Q Y G S WV P N T K F G V H A V Y WV P N T K F G V H A V Y WV 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 II T Y G S
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UniRef90_W8BW62 UniRef90_Q8SPH0 UniRef90_F1RIC9	WIPSSKCARTDYCHNHNRYNSSESRTYVANGKPAGMMYGS WV PSIYCKSNGCKNHQRFDPRKSSTFQNLGKPLSIHYGT WV PSIYCQSMACVIHNTLDPFQSTTFKFSGKIFSLPYGA
UniRef90_UPl0004418790 UniRef90_M2THX2 UniRef90_Q4T6A6	WV PSTYCYSRP CRTHNVFNPHTSTTFRLSGRPVDLTYGS WV PSTQCTSIACFLHDKYDSSSSSTYQKNGSDFEIRYGS WV PSVHCSLLDIACLHRKYNSAKSSTYVKNGTAFAIRYGS
UniRef90_C1BUK0 UniRef90_Q6R6N5 UniRef90_P00793	IPSKSCHITNIACLLHHKYDHSKSSTYVANGTEFAIQYGS WV PSVNCQSPSCSKHKRFNPQKSTTFQHLDQKINLSYGS WV PSIYCKSSACSNHKRFDPSKSSTYVSTNETVYIAYGT
UniRef90_UPl0003F0A547 UniRef90_UPl00033437B6 UniRef90_H3B4C1	WV PSIYCDSLACANHNVFNPMESTTFKFVGQPMSIKYGT WV PSIYCSSLACTNHQVFNPEPSSTFQTSYKTFRILYSS WVPSKHCSFLDFCYIHKRYNSDASSTYVKNGTAFSIQYGT
UniRef90_F9XDK0 UniRef90_Q5TLU5 UniRef90_W5N4U3	WV P S K D C G S L A C Y L H S K Y N H G D S N T Y K Q N G S D F A I Q Y G S WV P S V Y C V S Q T C G T V H R R F K A F E S T S Y R H D G R V F E I H Y G S WV A S V Y C N S Q A C T N H P T F D P S K S S T Y S S T G Q T F S L Q Y G T
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UniRef90_B4NEK1 UniRef90_UPI0004421079 UniRef90_F1RIE4	WVPGSGCYS CIYDNQAVYDSSESSIYYANGIAFII QYGI WVPSAYCISDACGIHQKFKSFLSHS YKHGGRHFSLRYGT
UniRef90_B7QBB2 UniRef90_U6P2M2 UniRef90_M9MC43	WLPSSKCTTKY CLHHHRYDSSRSSTYEADGRNFTI VYGS VPSRKCPFYDI ACMLHHRYDSGASSTYKEDGRKMAI QYGT WV PSTKCSSLACFLHKKYDSSASSSYKKNGTEFKI QYGS WVP SIYCSSQACQNHNKFNPTQSSTFQTNNQALSI QYGT WV PSIKCISPACYTHLTFDHHKSSTFRLTRRPFRI LYGS
UniRef90_E3TGA3 UniRef90_Q28546 UniRef90_H0XYE6	WIVI PSIVITUSS PAUSININKE NPUSSSITUATSUTIVISITATUT
UniRef90_W5PJD5 UniRef90_B3A0T2 UniRef90_F7EUW5	WV ASDFCTSQVCATNVKFRHRQSSTFRPTNKTFRII SYGS WV PSVYCSSQACQNQKKFNPQQSSTFKWGDQPLSLQYGT WVPSVFCNSHACMTGFCRGFPG
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UniRef90_G3S939 UniRef90_I3MSA9 UniRef90_H2RSA6 UniRef90_Q9PWK1 UniRef90_R4WQM9 UniRef90_B4NEK1 UniRef90_UPI0004421079 UniRef90_F1RIE4	LGSKEEGSEAVFGGIDKNHYTGELEYLPLRRKAYWEVDLNMSRNDQGSMLTLRAIDLSYYTGSLEYLPLRRKAYWEVDLNMSRNDQGSMLTLRAIDLSYYTGSLEWLPLRRKAYWEVDLNMSRNDQGSMLTLRAIDLSYYTGQIFWAPVTRYWQIGIQEFDPEAAIGGQLILGGLNPEHYAGEHYVNVTRKAYWQIEVNGSGQEGSQGELVFGGVDPNLYTGQITWTPVTQTTYWQIGIADGGGGSQGELIFGGVDKELFHEETLNYVPVTQTTYWQIGIADGQSGGELIFGGVDKELFHEETLNYVPVTKKAYWQISMNTAVSSIYNEGNGGGSDSTLYSGDLTYVPISQEGYWQFQMDGIEDDGGELIFGGVDHSLYNGPIHWVPVTQKMYWQIHIDNSTRKEEGSAVIFGGVDHSLYNGPIHWVPVTQKMYWQIHIDNSTRKEEGSAVIFGGVDHSLYNGFIHWVPVTAKKAYWQIALDDDPSSKEGGGIIFGGVDHDHYKGSLTYVPVTAKGYWQFHDDN
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	240 V
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UniRef90_F9XDK0	E
UniRef90_Q5TLU5 UniRef90_W5N4U3	S V
UniRef90_H0XZU2	KI RVGRSVMCSKGCQALVDTGTSSITGPSDDLRQLQKAIR
UniRef90_H8WZZ7 UniRef90_F6RFS6	GI GLGDEYAELTKTGAAI DTGTSLITLPSSLAEII NAKI G VKVDGEAMF <mark>C</mark> QSS <mark>C</mark> QVIVDSGTSLITGPKAEIKKLQELLG
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UniRef90_T1PAL1 UniRef90_U3JKI2	T <u>S G I V N G V S I C</u> D Q <mark>C</mark> Q G I A D T G T S L I A V P D N Q Y E N V Q A A I G A I G Q S V T <u>S</u> W C S Q G C Q A I V D T G T F L L T V P Q E Y I <u>E S I L Q A</u> V G
UniRef90_UPI0002742AD1 UniRef90_E9DV76	SITVNGTIA <mark>CH</mark> DG <mark>C</mark> QAILDTGSSVVVGPYDDVINIQNIIH SIALGDEIAELDHTGAILDTGTSLNVLPST <u>LAEL</u> LNKEIG
UniRef90_G3S939	VI IDGMVVVCDGGCQAILDTGTSLLVGPGSNILNIQQAIG
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UniRef90_R4WQM9 UniRef90_B4NEK1	EKVEVNHQD <mark>C</mark> ANG <mark>C</mark> EAVADTGTSLLĪ <u>G</u> PPE <u>EV</u> EKIĪSQIG DGVNLGDNLL <mark>C</mark> SS <mark>C</mark> QAIADTGTSLL <u>VV</u> PTD <u>VA</u> QSILQIL
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UniRef90_B7QBB2	GASKS VPELCKDGCEA HADTGTSLITGPPEEVDSLNQYLG
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UniRef90_E9H7X1 UniRef90_UPI0002743E13	DGVYDEYPFCNGGCEMISDTGTSLITGPSEELTLFHKLIG
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UniRef90_T1GNE8	VTVNGEVVACNGGCQAIVDTGTSLIVGPQSSISNINSKV DGVYDEYPFCNGGCEMISDTGTSLITGPSEELTLFHKLIG EFALGNXTGCSEGCQAIVDTGTSLITGPQQYMGSFLQATG AIGQSVMGWCSQGCQAIVDTGTFLLATVPQQYMGSFLQATG AIGQSVMGWCSQGCQAIVDTGTFLLTVPQQYLSRFLQAV LTINGNTVACSGNCVATVDSGTSLILGPERDINNINGWLG NSVKSGGFLLCSGCQAIADTGTSLIVVPEAAYAKINSLLG ISVNGIVIACYEGCQALDTGSSVVIGPFEGVLHIQNIIH KLSFGDEEVELENTGAAIDTGTSLIAIPTDMAEMLNTMIG RISVNGIICHNGCQAILDTGTSFVNGPYEDVLNIQNVIR VKIQGRVALCTHGCEAIVDSGTSLITGPSLQIRQLQEYIG KIKFGKDELELESTGAAIDTGTSLIAGPSDLAELLNKEIG DKAEVDGNILCENCDAIADTGTFLIAGPVDAIYELYEAIG
UniRef90_UPI0003C48A65 UniRef90_W5N2H9	VISVGAEELFCKEGCAAMIDTGSSYILTGPASSVSILMKAIR
UniRef90_UPI0002C2E4E1 UniRef90_W5P1V0	VTLIGGVVVVACOGGCATLDTGTSMLVGPSSDILNIQMALG
UniRef90_V5NEJ5	AVYRPIGHLCEHGCQAIADTGTSLIAGPSAEVEHLNRALG
UniRef90_H9G9A1 UniRef90_H0VMF0	VIKII QGQVII SULISGUEAII VIDSGTSILI TGPILISQII VIRILIQQSII G DRVMVGTTLCAQGCAAII VIDTGTSILI TGPSEEII RAILIH RAILIG
UniRef90_UPI0003872140	EFAIGQSWCSEGCQAXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
UniRef90_W5NH59 UniRef90_UPI00046B10BC	VISURSATILICE E GCKAVVD T GASYI SGPLSSVRLL VE ALG
UniRef90_UPI00045DF899 UniRef90_M0QW23	S S T N G V V G C N D S C Q A X L D T G T S S V A G P H E V S N Q K I T R I S M K R K V A C S G G C K A I V D T G S S D I V G P S T I V N N I W K I I
UniRef90_A0A023F773	DGINTLT NWCKNGCDGIADTGTSLTLGPADDVAALY KTI
UniRef90_E9H7X0 UniRef90_B3A0T3	V V Q Q V A C T H G C A V D S G T S C C R Q C Q E V G K K F G K D E L E L E S T G A A D T G T S L A L P S D A E L L N K E G G D K A E V D G T S L A L A E G D K A E G G D K A E G G C A A D T G T G D A T E A G E F C K E G G G G G G T G
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UniRef90_U6NRF6	SVYVR ĞTSLTNĞT QNĞI VDTĞTSFI TĞPTDAI QNLESLAĞ
UniRef90_UPI00023AD28D	RILLS M K N V L A U S G G U E A L V D T G T S L L G P R R L V S N L Q K L L

UniRef90_H0ZGM2 UniRef90_W5N4U9	250 260 270 280 A K P L I K G E Y MI P C E K V P T L P V V S M N I G G K T F G L T G D Q Y V I A T P A G G G M Y A V A C S S L P W L P D V T F T I N G A E F P L T P E A Y I Q
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UniRef90_C3XQC3 UniRef90_Q01294 UniRef90_U4UGL3	ATSAGGGYYLLNCNR SYPNITFTLSGNTFTLTQSEYTF SQQISPGQYLVDCGRLDDLPVVSFQFGDKLFNLTGQEYTV AKKSWNGQFTIDCGKKSSLEDVTFTLAGYNFTLGPEDYIL ATPLVGGEYAVDCSLIPNLPAIKFILGGNTFVLEGKDYVL AKKGYNGQYSVECSKRDELPDITFTLAGYNFSISAYDYVL AKKGYNGQYSVECSKRDELPDITFTLAGYNFSISAYDYVL AKKGYNGQYSVECSKRDELPDITFTLAGYNFSISAYDYVL AKRYDEDNFYVDCSKVSSLPNVDLEIGGTKFTLPPTTYLN ATQNQYGEFDIDCDNLSYMPTVVFEINGKMYPLTPSAYTS GYYLQDLYVLYCNASS TLPDIVFTIKGVDYPVPAQAYVQ GARLVNHEYAVSCSYMARLPTIJFSINGKDYPLPPQAYIL
UniRef90_E3QLN9 UniRef90_W8BW62 UniRef90_Q8SPH0	A T P L V G G E Y A V D C S L I P N L P A I K F L L G G N T F V L E G K D Y V L A K K G Y N G Q Y S V E C S K R D E L P D I T F T L A G Y N F S I S A Y D Y V L A K R Y D E D N F Y V D C S K V S S L P N V D L E I G G T K F T L P P T T Y I N A T Q N Q Y G E F D I D C D N L S Y M P T V V F E I N G K M Y P L T P S A Y T S G Y Y L Q D L Y V I Y C N A S S T L P D I V F T I K G V D Y P V P A Q A Y V Q
UniRef90_F1RIC9 UniRef90_UPI0004418790 UniRef90_M2THX2	AKRYDEDNFYVDCSKVSSLPDVDLEI GGTKFTLPPTTYIN ATQNQYGEFDIDCDNLSYMPTVVFEI NGKMYPLTPSAYTS GYYLQDLYVIYCNASS TLPDIVFTI KGVDYPVPAQAYVQ GARLVNHEYAVSCSYMARLPTI IFSI NGKDYPLPPQAYI R AKKGFNGQYSVECDKRDSLPDLTFTLTGHNFTI SAYDYI L ALPLI QGEYMVSCDKI PTLPVI TFNI GGKPYSLTGDQYVL GTPI I NGEYMFNCEDI PNLPPI TFTI GGEEFVLSGEDYVM
UniRef90_Q4T6A6 UniRef90_C1BUK0 UniRef90_Q6R6N5	GYVLQDLYVLYCNASS TLPDIVFTI KGVDYPLPPQAYIR AKKGFNGQYSVECDKRDSLPDLTFTLTGHNFTI SAYDYIL ALPLIQGEYMVSCDKIPTLPVITFNI GGKPYSLTGDQYVL GTPIINGEYMFNCEDIPNLPPITFTI GGEFFVLSGEDYVM PKPLLDDKQVLLCDAIESLPVLLTINGGITTVPPHYYVQ VSSDGEISCDDISKLPDVTFHINGHAFTLPASAYVL AQKSLNGEYVVDCEAVHTLPDIVFAINGINYTVPASAYTL
UniRef90_P00793 UniRef90_UPI0003F0A547 UniRef90_UPI00033437B6	PKPILDDKQVLLCDAIESLPVLLLTINGITYTVPPHYYVQ VSSDGEISCDDISKLPDVTFHINGHAFTLPASAYVL AQKSLNGEYVVDCEAVHTLPDIVFAINGINYTVPASAYTL GFGSGQYNSKKGCEAKNILPDIVFTINGADYPLAASAYLH AFPLLNGEFLISCDKIPSLPVVSITLGGKVYNLTGEQYIV AKKGYNGQYSVECSARDSLPDLTFTLTGHNFTISAYDYIL
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UniRef90_W5N4U3 UniRef90_H0XZU2 UniRef90_H8WZZ7 UniRef90_F6RFS6	A Q A N Q N G E Y I I N C N N L S N M P T I S F T I N G V N F A L P P S A Y N Q A V R R K N G D Y T V R C N K L K V M P D V T I V I K G V S Y T L K P T A Y T L A T K S W S G Q Y Q V D C A K R D E L P D L T L T F S G Y N F T L T A Y D Y V L A T P T L F G E Y I L D C S R V S S L P R V T F T I G Q R D Y T L T P E Q Y T I A V P L I Q G E Y M I P C E K I P G L P K I I F T L G G E K F E L S G E A Y T L
UniRef90_UPI000443B9D9 UniRef90_T1PAL1 UniRef90_U3JKI2	AKKGYNGQYSVECSARDSLPDLTFTLTGHNFTISAYDYIL GATPTNIGVVTDCVRLSSLPRVTFVLGGEEYTLTPERYIR AQANQNGEYIINCNNLSNMPTISFTINGVNFALPPSAYNQ AVRRKNGDYTVRCNKLKVMPDVTIVIKGVSYTLKPTAYTL ATKSWSGQYQVDCAKRDELPDLTLTFSGYNFTLTAYDYVL ATPTLFGEYILDCSRVSSLPRVTFTIGQRDYTLTPEQYTI AVPLIQGEYMIPCEKIPGLPKIIFTIGGEKFELSGEAYTL AVPLIQGEYMIPCEKIPGLPKIIFTIGGEKFELSGEAYTL AVYDEDYNAYLLDCSSISLSPVVVTFTIGGEKFELSGKDYVI AQETSYGEFAVDCNDTQSLPPITFGIGGGAQLPLSPSTYVL AQHTFNDMYIIDCNTTTQLPDVVFVIGGINYPVPARSYIR AKKSWNGQYTVDCCKIKSLPDIVFFIIGGEKKYSLPASDYIL
UniRef90_UPI0002742AD1 UniRef90_E9DV76 UniRef90_G3S939	
UniRef90_I3MSA9 UniRef90_H2RSA6 UniRef90_Q9PWK1	GMSRQKDEN <u>I</u> D <mark>C</mark> EQ PSMP V SFN GGK L FP L NPEDY <u> W</u>
UniRef90_R4WQM9 UniRef90_B4NEK1 UniRef90_UPI0004421079	A Q A D D S G Q Y V A S C S N I E Y M P T I T F V I S G T S F P L P P S A Y M L G T T S F L G I T S V D C D R V D S L P P I T F R I N G Q D Y T L E G K D Y V S Q I M N D A 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 A V P N S P G E F L V D C R R L S S L P S I S F T I G Q K E F R L T A Q Q Y I I N A V P L Q E E Y L V Q C N A R D T Y P D I V F T I N N V D Y P V P A R T Y I R
UniRef90_F1RIE4 UniRef90_B7QBB2 UniRef90_U6P2M2	NAVPLQEEYL VQCNARDTYPDI VFTI NNVDYPVPARTYI R GTKTEGGQYLLDCDKLESLPNVTFTI SGKEFSLRSKDYVL AEPLIKGEYMI PCDKVPTLPEI SFVI EGKTFTLKGEDYVL ATKSWNGQYSVDCEKVKDLPPLTFYI DGKPFKLEGKDYVL APVDQYGDGSVNCNNI QSMPSI TFTLKGYTFTI FPSSYVR
UniRef90_M9MC43 UniRef90_E3TGA3 UniRef90_Q28546	HAIVIPY DSEY MIVIS CPIVI ISII LIPPIVI IF I II IN SII IDY SIVIPA EAYII IQ
UniRef90_H0XYE6 UniRef90_W5PJD5 UniRef90_B3A0T2	ASTTQNGDATVNCQNIQSMPEVTFTLNGHAFTIPASAYVS
UniRef90_F7EUW5 UniRef90_F6YAL3 UniRef90_Q6HA03	A S T T Q N G D A T V N C Q N I Q S M P E V T F T L N G H A F T I P A S A Y V S A T E G R N G L Y Q V D C R K L Q R L P D V V F H I S G V K Y P L T A T A Y T N A M P L I Q G E Y M I P C E K V S T L P V I M L K L G G K D Y E L S P Q D Y T L G A T D H N G D Y L V N C N S I A Q L P D V I F H I H G E T F T I P G S A Y I R A Q V N L V G E G I V D C N E I P N L P A M T F T I G G K P F V L E G V D Y I I
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UniRef90_H0XP70 UniRef90_K7GCA3 UniRef90_G7E0P8	A T E G R N G L Y Q V D C R K L Q R L P D V V F H I S G V K Y P L T A T A Y T N A M P L I Q G E Y M I P C E K V S T L P V I M L K L G G K D Y E L S P Q D Y T L G A T D H N G D Y L V N C N S I A Q L P D V I F H I H G E T F T I P G S A Y I R A Q V N L V G E G I V D C N E I P N L P A M T F T I G G K P F V L E G V D Y I I V Q Q A Q N G D F V V D C S Y I Q S M P T I T F I I G G A Q F P L P P S A Y V I A T T D A Y G D A T V S C A V T D L L P D V V F N I N G Y S F A L P P S A Y V I A T D N G E G E A F V K C A D V S S L P K V N L N I G G T I F T L A P K D Y V V A Q H S F K D K Y I D C K A T I H L P D I V F V I G G V N Y P I P A S S Y I Q A K K T W T G Q Y T V D C A T V K D L P E L S F T F G G K K Y P L R G E D Y I L A H T F D D M Y V S D C N T I T H L P D V V F V I G G I N Y P V P S R S Y I R A S P T P T G E F V V D C R R L S S L P H V S F T L G H R E Y M L K A Q D Y I M A K K S W N G Q Y T V D C A A I P S L P D L T M Y F A G E P Y T I T G A D Y I L A D M Y G N V D C C S N I S N M P T I T F V L N G S Q F P L P P S V Y V L A T Q L A E G E Y T V N C D Q V K A L P S I S F N F G G H E Y S L T G E D Y I Q A T Q N Q Y G E F D I D C G S L S S M P T V V F E I N S R M Y P L T P S A Y T N
UniRef90_T1GNE8 UniRef90_UPI0003C48A65 UniRef90_W5N2H9	A D M Y G N V D C D S K L P A V D F V L G G K T F R L D G E D Y I Q G A Q E S N G E Y V A D C S N I S N M P T I T F V I N G S Q F P L P P S V Y V L A T Q L A E G E Y T V N C D Q V K A L P S I S F N F G G H E Y S L T G E D Y I Q
UniRef90_UPI0002C2E4E1 UniRef90_W5P1V0 UniRef90_V5NEJ5	ATQNQYGEFDID <mark>C</mark> GSLSSMPTVVFEINSRMYPLTPSAYTN GARQRGSQHYVSCSAVNTLPSIIFTINGINYPVPAQAYIL AIGPVKGIYTFDCQMIPTLPDVVFRINGKDFPLTSEQYVM
UniRef90_H9G9A1 UniRef90_H0VMF0 UniRef90_UPI0003872140	A F P T A T G E F L V D C R R V S S L P P V T F S I G E R E F T L T A E N Y I T G L P W L A G E H F I Q C S K I P T L P P I S F L L G G V W F N L T A Q D Y V I G A Q Q T S E G Y A V D C N E V Q N M P A I T F V I N G A Q L P L Y P S A Y V M
UniRef90_W5NH59 UniRef90_UPI00046B10BC UniRef90_UPI00045DF899	A T P S Q L G E Y L V D C A R L S S L P L V E F T I H E <u>IV V</u> Y K L S A N S Y V R A K E Q S L D E Y V V N C N Q V P L L P D I S F H L G G R A Y T L T S A D Y V S N A K A A G S F Y V I N C F V V D K L P D I L T I L D G L F Y P V P A N A Y I R
UniRef90_M0QW23 UniRef90_A0A023F773 UniRef90_E9H7X0	GATPQGSEHYVSCSAVNSLPSIIFTIKSNNYRVPGQAYIL GAKIDKNFAFVDCKKVSQLPDIIFKINARSYTLGPQEYIL AINIINGEAVISCLRIPYLPPITITISGLPYTLEGEDYIL
UniRef90_B3A0T3 UniRef90_W5NW79 UniRef90_K1P5Z3 UniRef90_A7MBA4	AKELS DEYVVN <mark>C</mark> NQMPTLPD SFHLGGKAYTLTSADYVY AKPFAAGEYTVDCSKUGSIPPVSETINGKDETIOGKDYIF
UniRef90_Q9TTX0 UniRef90_W5P3R9 UniRef90_W5PB53	GTTPRGSKHYVSCSVVNTLPSIIFTINGINYPVPARAYIL GAKPRGSQYCVSCSAVNTLPSIIFTINSISYTVPGRAYIL GTMPQGSMHYVPCSAVNTLPSIIFTINGINYPVPGRAYIL GAKRCGFKHYVSCSVVNTLPSIIFTISGIKYPVPARAYIL
UniRef90_Q6HA02 UniRef90_UPI0002742A90 UniRef90_Q6EBW0	A Q R S Q N G M Y MV D C S E L N N L P T L S F V I S G V A L P L P P S A Y I S A H Q S F N G K Y V I D C N T T T H I P D I V F V I G G V N Y P V P A R S Y I R
UniRef90_F7E1Z0 UniRef90_U6NRF6 UniRef90_UPI00023AD28D	D A Q V L Q G V G Y V P C D E L H K L P D I T F H L N G K G Y T L K A E D Y V L A L P V F G G E Y M V P C E T L P S L P A V S F Q L G G V W F N L T A E Q Y V L A T N G T D G M Y Q I E C N N I A K L P A V I F T L G G Q D F V L Q G S D Y V L S A M P R G S E D Y S S C F V V N T L S S I L C T I N G F N Y P D P A Q A Y I L

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UniRef90_W8BW62 UniRef90_Q8SPH0	Q\$\GF <mark>C</mark> L\$\$FFYMADYVWILGDTFIGNFYTEFDLGNRVGF QDQGF <mark>C</mark> T\$GFQ\$ENH\$QWILGDVFIR <u>E</u> YY\$VFDRANNVGL
UniRef90_F1RIC9	K T L G G <mark> C</mark> L S A F P S G N P <u>I</u> W I L G D V F L R L Y F T V F D R G N R I G L
UniRef90_UPI0004418790 UniRef90_M2THX2	K S L R G R C L C S F A S S S E T WI L G D V F L R L Y F S V Y D R N N R V G L E I S G S C I S A L M G M D I P L A I L G D A F L R K W Y S V Y D L G N S V A L
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UniRef90_F9XDK0 UniRef90_Q5TLU5	KESQICLSGFMGIDMPPWILGDVFIGQYYTVFDRENRVGLEVQGSCISAFMGFDIPLAILGDAFLRRYYSVYDLGNNVGLRVEMFCFSGFQAADIPLWILGDVFLTQYYSVFDRGDRIGF
UniRef90_W5N4U3	N G Y Q Y <mark>C</mark> T S G <u>I </u>
UniRef90_H0XZU2 UniRef90_H8WZZ7	R H F R F C R T G F I S D D E P L WI L G N V F I R Q F Y S V F D R G N R V G L E V G G S C I S V F T P M D F P L A I I G D A F L R R Y Y S I Y D L K N A V G L
UniRef90_F6RFS6	OKSDECI TGEQAMDI PI WI LIGDI EMSKEYSIVEDREDRI IGI I
UniRef90_UPI000443B9D9 UniRef90_T1PAL1	KÜSQ <mark>IC</mark> LSĞFMGMDİPPWILGDVFMGYYYTVFDRDNRVĞL QMDGMCSSAFETAGANFWILGDIFIGKYYTVFDLGNRVGF
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UniRef90_G3S939	Q D Q G F <mark>C T S G F Q G D S S Q Q W L G G V F <u>T</u> R E Y Y S V F D R A N N V G <u>L</u> </mark>
UniRef90_I3MSA9 UniRef90 H2RSA6	COSREMAILID MGPPAAPILIWNII IGDIVIEII IMKYYLIVIED RDD RIVIGE
UniRef90_Q9PWK1	Q S N S D Y <mark>C</mark> IVIGII IE S T YIL IP S WIL LIG DIVIFIL IRIVIY Y SII IY D M G N QIVIG F
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10 Y I S I T 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | 201 | UniRef90_UPI0003340747 GAGTGT&TTG&&G&R&&TTT&TTAGG&YTTTTGK&&&RA_BT&G&T&SG&Q&G&G&C&TQT&&&&TQAK&Z&GGT&TQT&TQ&TTA ${ t n}$ ${ t u}$ ${ t n}$ ${$ UniRef90_Q9VKP6 UniRef90_UPI0003EC16CF UniRef90_UPI0003C11EC8 UniRef90_UPI000333DBC5 UniRef90_L8l1Z2 UniRef90_Q29LE9 UniRef90_Q29LE9 UniRef90_Q29432 UniRef90_UPl0001796143 UniRef90_F6YRX8 UniRef90_M4A7P5 UniRef90_G8JNR1 UniRef90_W5L0G6 UniRef90_B8NMS2 UniRef90_H3A5Z4 UniRef90_R4FKP9 UniRef90_Q6R6P2 UniRef90_Q9TTX1 UniRef90_Q9TTX3 UniRef90_H0XLY6 UniRef90_T1G969 UniRef90_Q6R6P0 UniRef90_H3DKM3 UniRef90_P00797 UniRef90_P00797 UniRef90_L8B3E0 UniRef90_Q8SPH1 UniRef90_H0Y0G3 UniRef90_UPI0003C14BF6 UniRef90_F4WMC2 UniRef90_I1CV32 UniRef90_UPI00038C586E UniRef90_I1CI31 UniRef90_R4FNG1 UniRef90_B5AYD7 UniRef90_UPI000393E20E UniRef90_UPI000393E20E G V I K L P L H G V G S V P M T V P L S G S G S V P V T NGDE GVATE UniRef90_Q4TAS9 UniRef90_A0A024USA2 UniRef90_UPI0003AF7609 UniRef90_G5EMR2 GSNITPSGTGS UniRef90_P43231 UniRef90_L8J2U7 UniRef90_UPI000273CD1E TTHPLRN RD
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UniRef90_UPI0003AF7609 UniRef90_G5EMR2	V P S I S C S N T R N A F K Y Y E S S T S R D M N T P L S I I C G T W P S V Y C N S Q A C Q N H K K F N P Q Q S S T F K W G N E A L S I Q Y G T W F A S T L C T N C G S S Q T K Y N P N Q S S T Y A K D G R T W S I S Y G D G W V E R L G V W P C S S F R R G K I I T F I F S E C A G H F H G N S Y L T L Q Q W V P S V Y C N S D A C X N H Q C F D P S K S S T X Q N M G K S L S I Q Y G T W V P S V Y C T S R A C Q T H P R F Y P S Q S S T Y S S E L A R P F S I Q Y G T W V P S V Y C T S R A C Q T H P R F Y P S Q S S T Y S S E L A R P F S I Q Y G T W V P S V Y C T S R A C Q T T P R P D S S S T T S R D T N F T F S I Q Y G T C T S R A C Q T T P R P S I Q Y G T C T S R A C Q T T P R P S I Q Y G T C T S R A C Q T T S R A C Q
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June 800 UPIDO0300005 SC SC SC V M E G C D R Y Y K G E N W P L D A C D W V H M K R		
JARRESO DOVERNO. 10 ST ANY RG GE L	UniPof00 UDI0002240747	170 180 190 200
JAMES DE JUDIO DE LA CALLES DE LA LES SELVEN		R Q G T A V R G G E L I L L G G I D S S L Y R G S L T Y V P V I V P A Y W Q F K V
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JARRENG MAAZPE A	UniRef90_UPI0001796143	KNSHLLGGEI VLGGSDPQYYQGNFHYVVSKTDSWQIKMKG
JARRIEGO GANNET K K G D S LA G E V V.J.F. G G Y D E T K F T G E II S W.J.F. N J R K A Y WEI VEL IN JARRIEGO MAN CONTROLL WAS A STANDARD AND	UniRef90_F6YRX8	ILIGIN II S Q S G E II I I I G G IV ID S NIL II I G QII II WA PILIS Q E ILII W QIV IQ E P
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James	UniRef90_W5L0G6	SPNEESGSEILIAEGNIVINTNMYOGOILIYWTPIVITSDILIYWOILIGILIO
JANSON GAPKPS JANSON		
James Jame	UniRef90_R4FKP9	PNGDLGGEMILGGWNDYYFDSSKINYIRLSKVDKWQFKVD
James Jame		SKGNPEGSIVVIMEGGIVIDTSYYHGTNWIVIPIVIOAGAWSIVHMDR
James Jame	UniRef90_Q9TTX3	SKDEQEGSVVMFGGVDHRYYKEENWVPLVKAGDWSVRVDR
James Jame		RETGGKRGSMLMGGVDHSYYSGELLRWVPVTRQRFWQVALN
	UniRef90_Q6R6P0	SKGKPEGSVVMFGGVDKSYYQGTNWVPLIQADKW <mark>C</mark> VHMNR
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JURIS BOS RAFNOLL JURIS BOS RAF	UniRef90_L8B3E0	S S H S Q E G S V V V F G G I E E S Y Y T G Q I T WI P L T S A T Y W Q I K M D
JURIS BOS RAFNOLL JURIS BOS RAF	UniRef90_Q8SPH1	DRNGQESMLTLGALDPSYYTGSLHWVPVTVQQYWQFTVDS
JURIS BOS RAFNOLL JURIS BOS RAF	UniRef90_UPI0003C14BF6	SKKEREGSVVMFGGVDHRYYRGENWVPLIEAGDWRVHMDR
JURIS BOS RAFNOLL JURIS BOS RAF	UniRef90_F4WMC2	SKSGKWNNTLILGGSDKRFYQGKLTYVDVIRETVWKFTID
JURIS BOS RAFNOLL JURIS BOS RAF	UniRef90_I1CV32 UniRef90_UPI00038C586E	DAEGSDGGELVLGGSDPAHYI PPTFI PVTVPAY WQVH MFS
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Jinkergo Qatrasp		S G N S A O G S V V S F G D I J F S N Y Y T G O I J T W I J P I J S S F T Y W O I J N M D
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JAIRGERO J. GSEMR2 JAIRGERO J. G		KSGSKLIQGEL LLIGGI DEALIFTGPI NWPVTAKGYWQI KVDS
JAIRGERO J. GSEMR2 JAIRGERO J. G	UniRef90_UPI0003AF7609	SKCRVNGCVVMFGGVDKDYYQGGLNWVPLDKLAGRHINMD
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Jilineri90	UniRef90_E9E8X2	QRQAPGSYN FGYLDDFEYTGDLSYTPLERTFPLWMVHT
Jurikef90 MYDU-1 Jurikef90 MY		T S G D N G G E V I F G G I N H N A Y V G K I H Y M P V S R K A Y W O I K M D
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JniRef90_W2TMJ2 JniRef90_K5XBP0 JniRef90_M3X9S4 JniRef90_UPl0004404D22 JniRef90_G9MUE5 JniRef90_G9MUE5 JniRef90_UPl0004404037B JniRef90_UPl0004404037B JniRef90_UPl0003319563 JniRef90_UPl0003319563 JniRef90_UPl0003319563 JniRef90_UPl0003319563 JniRef90_UPl0003404047A JniRef90_UPl0003404047A JniRef90_UPl0003404047A JniRef90_UPl0003404047A JniRef90_UPl000340404040 JniRef90_UPl000340404040 JniRef90_UPl000340404040 JniRef90_UPl000340404040 JniRef90_UPl000340404040 JniRef90_UPl000340404040 JniRef90_UPl000440444FA JniRef90_UPl000440444FA JniRef90_UPl000440444FA JniRef90_UPl000440404040 JniRef90_UPl000440404040 JniRef90_UPl0004404040 S S D G S D C L L L G G S D P A Y Y T G H F K Y V D V T K K G Y W Q F L M D D S S Y F T G N L Q W L P L S S T S Y W Q F Q M R N A P L K P G G E L L L G G T D S S Y Y T G S L N W V P L S S T S Y W Q F Q M R N A P L K P G G E L L G G T D P A Y Y T G D F H Y L S L S R N G Y W Q I S M D S D P A S G G E L V L G G V D P A H Y V P P L S L N W Q I S M D S D P E A A S G G E L V L G G V D P A H Y V P P L F L P V T L P A Y W Q L S M E R L D S G G E L V L G G V D P A H Y V P P L F L P V T L P A Y W Q L S M E R L D S G G E L V L G G V D P A H Y V P P L S Q K S Y W E V T L D S S Q P D I A S M V M F G G V N N S Y F H G D L K W I P V I Q P R Y W Q I M M D D S S Q P D I A S M V M F G G V N N S Y F H G D L K W I P V I Q P R Y W Q I M M D D S S Q P D I A S M V M F G G V N N S Y F H G D L K W I P V I Q P R Y W Q I M M D D S S Q P D I A S M V M F G G V N N S Y F H G D L K W I P V I Q P R Y W Q I M M D D S S Q P D I A S M V M F G G V N N S Y F H G D L K W I P V I Q P R Y W Q I M M D	UniRef90_S9WRT4	DPSAQPGGFII IMII IGGT DSKYYKGPII ITYH NIVITRMAYWQIVIH ME
JniRef90_W2TMJ2 JniRef90_K5XBP0 JniRef90_M3X9S4 JniRef90_UPl0004404D22 JniRef90_G9MUE5 JniRef90_G9MUE5 JniRef90_UPl0004404037B JniRef90_UPl0004404037B JniRef90_UPl0003319563 JniRef90_UPl0003319563 JniRef90_UPl0003319563 JniRef90_UPl0003319563 JniRef90_UPl0003404047A JniRef90_UPl0003404047A JniRef90_UPl0003404047A JniRef90_UPl0003404047A JniRef90_UPl000340404040 JniRef90_UPl000340404040 JniRef90_UPl000340404040 JniRef90_UPl000340404040 JniRef90_UPl000340404040 JniRef90_UPl000340404040 JniRef90_UPl000440444FA JniRef90_UPl000440444FA JniRef90_UPl000440444FA JniRef90_UPl000440404040 JniRef90_UPl000440404040 JniRef90_UPl0004404040 S S D G S D C L L L G G S D P A Y Y T G H F K Y V D V T K K G Y W Q F L M D D S S Y F T G N L Q W L P L S S T S Y W Q F Q M R N A P L K P G G E L L L G G T D S S Y Y T G S L N W V P L S S T S Y W Q F Q M R N A P L K P G G E L L G G T D P A Y Y T G D F H Y L S L S R N G Y W Q I S M D S D P A S G G E L V L G G V D P A H Y V P P L S L N W Q I S M D S D P E A A S G G E L V L G G V D P A H Y V P P L F L P V T L P A Y W Q L S M E R L D S G G E L V L G G V D P A H Y V P P L F L P V T L P A Y W Q L S M E R L D S G G E L V L G G V D P A H Y V P P L S Q K S Y W E V T L D S S Q P D I A S M V M F G G V N N S Y F H G D L K W I P V I Q P R Y W Q I M M D D S S Q P D I A S M V M F G G V N N S Y F H G D L K W I P V I Q P R Y W Q I M M D D S S Q P D I A S M V M F G G V N N S Y F H G D L K W I P V I Q P R Y W Q I M M D D S S Q P D I A S M V M F G G V N N S Y F H G D L K W I P V I Q P R Y W Q I M M D D S S Q P D I A S M V M F G G V N N S Y F H G D L K W I P V I Q P R Y W Q I M M D	UniRef90_P10602 UniRef90_L5LBL8	GKQSNGGGGEYIFGGYDSSKFKGSLIFTVPIDNSEGFWGVT AAFDGIAYPSLALKDTTPVFDSLWEOGI IPFNIFAFYIISS
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UniRef90_Q9TTX3	ITMRGEVIACADGCTALLDTGSSLIQGPGRLV DNVQNLI
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UniRef90_S9WRT4	<u>ŎŨĎVĠŢŚŢĹĊĸĞĠĊ</u> ĖĂĹVĎŢĞŢŚĽĹVĠPŴĖĖVŖĔĽŎŔĂĹĠ
UniRef90_P10602 UniRef90_L5LBL8	K T I G K Q Q P K E N T C W P W S T L C K D S C Q G I V D T G T S L I T G P S E F N G Q A T G W C S Q G C Q A I V D T G T S P L T I P Q Q Y M G T L L Q N L R I S M K R K V I A C S G G C K A L V D T R T S L I L G P R R L V N N I Q K L I G Y A I G E N A F I K T P I Q N M A D S G T S L M L P E E I V H A Y Y K A V P S V T II G N E N I P L E N F G A A I D S G T S L I T F P T E L F N Q F I T K L S S V S G N G Q A V A C N D G C Q A I V D T G T S M I V G P Q S D I D N I N A W L V S L G S E M L F C H E G C T A A V D T G S S F I T G P A S A V S I L M K S I G G V Y H A D P N A D G S P I T A I V D S G T S L I T G P R K E I S A L A S S V G A S I S V G G Q T P V F Q F E T I I D F G T T V I Y G P A D G V Q Q L Y G S V P I S M K R Y V I A C S L G C E A F V D T G T S L I I G P R R L V N K I R K L I F R V A Q G A P W H K Y K Y S A I V D T G T T L L L L P D Y L V K F Y Y K K V K F L I G G C A T S W C S Q G C Q A I V D T G T T L L L L P D Y L V K F Y Y R K V K S G L K V G S K S V A S S F D G I L D T G T T L L L L P D Q A T G S K V A A A Y I S M N G T V V A C K R G C Q A L L D T G T T L L L L P D Q A T G S K V A A S Y L S K V T L G R T T V S A S F D A I L D T G T T L L L P D D V A A K V A R S Y L S M N G T V V A C P G G C Q A I M D T G T S L V I G P L S P V L N I L K S I N I S M N G T V V A C P G G C Q A I M D T G T S L V I G P L S P V L N I L K S I N
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UniRef90_K5XBP0 UniRef90_M3X9S4	LIGNQATGF CSQGCQGI VDTGTFPLTVPQQYLDSFVKATG
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UniRef90 UPI000440437B	TI MN CLUMECTURE CONFIDENCE SELVER SPANIT TO MR
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UniRef90_H3DKM3	A F PII IP G P Q Y KIVIN <mark>C</mark> D A IV IE T IL IP S IV IS F H IL IG G Q E Y S IL IT Q E D Y II L I
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UniRef90_UPI000333CE23	A E PIVID G E W FILI <mark>C</mark> AIV L IWY AIVIE <mark>C</mark> A NIL INIVIM P DIVIT F T II INIVIN G M D F
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UniRef90_T1I914	<u>G A E V Y E G I G F </u> V S <mark>C</mark> D D L K Q L P T I T F H I N G <u>V</u> A Y N I D G E D Y <u>T I </u>
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UniRef90_F6Q3A5 UniRef90_I7M7V3 UniRef90_S9WRT4 UniRef90_P10602 UniRef90_L5LBL8	T N T V	R I G L R V G F R V E V Q I R I G L
UniRef90_K1VXR2 UniRef90_W2TMJ2 UniRef90_K5XBP0 UniRef90_M3X9S4 UniRef90_G9MUE5 UniRef90_G3VIE6 UniRef90_E2AZ60 UniRef90_E2AZ60 UniRef90_UPI0003319563 UniRef90_T1914 UniRef90_T1914 UniRef90_G3USD2 UniRef90_W5PCY6 UniRef90_W5PCY6 UniRef90_UPI000194DD77 UniRef90_UPI00044079A6 UniRef90_UPI00044079A6 UniRef90_UPI00029D62A3 UniRef90_UPI00029D62A3 UniRef90_UPI000328A899	NGQTTCISGFMGLDLPLWILGDVFLGKFYSVFDNGNIGQSGQCIGALVGLGNNTWLLGDSFMKNIYTTFSFDNIGQSGQCIGALVGLGNNTWLLGDSFMKNIYTTFSFDNIGGSGRGLCLSSFAGGSETWILGDVFLRLYFSVYDMANIKSLAGNNECFGGIQPSGGPFAIFGDLALKAAHVVFDSGKGSDNNFCLLAFRGLDIPPWILGATFIRKFYTEFDRNNIKNTEYCLSSFAGGSETWILGDVFLRLYFSVYDRGNIKNTEYCLSSFAGGSETWILGDVFLRLYFSVYDRGNIKNTEYCLSSFAGGSETWILGDVFLRLYFSVYDRGNIKNTEYCLSSFAGGSETWILGDVFLRLYFSVYDRGNIKNTEYCTSGFVGSNSPLWILGDVFLRCYFSVYDRGNIKNTEYCTSGFVGSNSPLWILGDVFLRQFYTVFNRENS	

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UniRef90_F7BW04	RKRSAQRKHYPA <mark>C</mark> RTTLPGPPSPGEINRSIGQPRLFVGCS
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UniRef90_Q5KFP9	SQUETDGGELLEGGLNTSLYNGSVNYLSIDESDEDYWRIP
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UniRef90_Q74Z00	EFHNVSNTNMGFWQLGN HGAAGTYD FGFVDKAKYSGELTYVPVNPDPGYWAFNS HMDGTKDGQLVFGDLDKTKFTGELSYTQTLANVDHWELL FKLASSGSELYLGGTNDELYSGSLEYHDVDTSTGFWQLTG HLDDTNPPDETLGGTNSTLFTGDLEFLPLTNAATPTFWML NLAHINEGELFFGGYDSTKFAGSLEWLPLTKKGFWEVEFN GALNNVGGGVFTYGAIDTKNCGPVVGYQPLSSATYYQFKV AFKLGDHGAELSIGGVNNDLYKGDLTYTPVTHQSYWQVNL LNNNVVGGELTLCGGLDPSHYQGPLYWEPLVSTSYWELRLR AGTSDQGGEMLLGGGSDPSYYQGELTYTPLSEQGYWQFSLD
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UniRef90_W8BQU1	A G T S D Q G G E MILLIG G S D P S Y Y Q G E LL T Y T P LL S E Q G Y W Q F S LL D

E SIVEN A MARCH FOR A SIDE OF A SIDE UniRef90_UPI000398F7DC UniRef90_H3ETD4 UniRef90_G7EAR7 UniRef90_M2RRH1 UniRef90_U6NWS8 UniRef90_Q5DI07 UniRef90_J4H4W7 UniRef90_V4H4W/ UniRef90_M5GD12 UniRef90_UPI00042D00DD UniRef90_UPI00029D8EAF UniRef90_G4MTL8 UniRef90_UPI000441103C UniRef90_Q5TLU9 UniRef90_R4WMY7 UniRef90_D8PTW4 UniRef90_K5W8Y2 UniRef90_W3XD31 UniRef90_H2RTX5 UniRef90_UPI0003EBE3A6 UniRef90_UPI0002C62FF4 UniRef90_L8HS64 UniRef90_U6PDP5 UniRef90_M2R3T0 UniRef90_G9MS93 UniRef90_A0A016PA38 UniRef90_A0A016PA38
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	250 <u>260 270</u> 280
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UniRef90_UPI000350B9A8 UniRef90_W9YT40	A H P S P A R G S A P S P P P P P P E S P S R H C H G C S S C Q Q S Q Y G E S A R Y D N T Q G G Y L F P C S A S L P D F V V G L E D Y H A V V P F L N F A P
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UniRef90_002728 UniRef90_H3E1R8	1 10 20 30 40 NLTTHPLMNIW DLLYLGNITIGTPPQEFQVLFDRGSSDL NDYDDAEYVGNITVGTPGQFFEVILDTGSANL
UniRef90_A0BIH6 UniRef90_UPI000440E872 UniRef90_S8EG32	MHNYKN I QYTAD L G I G Q P G N T F K V V L D T G S A N L A T G S D A L T D D E A E L WY G T I S V G T P A T K Y T V D F D T G S S D L
UniRef90_UPI000455DD1C UniRef90_G0RYR0 UniRef90_UPI000455E3E3 UniRef90_S8E851	S E Y V V P V S I G T P G K T L M L D F D T G S S D L
UniRef90_S8FS77 UniRef90_M5CGM4 UniRef90_G0N395	SESLTDQDSGEEWTGTVSIGTPAQKFTIDFDTGSSDLEPLIDEQEQ LWAGNITIGTPGQQFTIDFDTGSADLSGSQPFVDFSDDF YLVEINIGTPPVKFTLSLDTGSSFLASVSVPLVDYGLDLEYYGTLNLGTPFQQVTVDFDTGSSDL
UniRef90_M5G386 UniRef90_F8NIB3 UniRef90_J5K1S9 UniRef90_M7X1X0	GRGSVTAEPIMDDLEYLVNVHVGHNNQFMRLDLDTGSSDL
UniRef90_C7ZCV9 UniRef90_U7Q1X3 UniRef90_G2RCL3 UniRef90_UPI000328FBDA	GVGIVINTPTSGDVEWLIPIQIGIPGQVLNILDLDIGSSDL
UniRef90_D8Q0Q5 UniRef90_M0SBC8 UniRef90_G0SGN4	GSVPLTDYGNDASYYGPI GI GTPAQSFDVIFDTGSADL PEDGDVEWLTPI QI GTPAQSFDVIFDTGSSDL GVGIVINTPTSGDVEYLSPVSI G GQTLNMDFDTGSSDL TGSAEAKPEANDVEYLVPVSI GTPGQVLNLDFDTGSSDL VPFESLGNNLAYVGTI RI GTPPRELNVLFDTCLTYL TGTNLI VNQNADSSYYGSLAI GTPPVSFDVI LDTGSADL VALKNYMN AQYFGEI GI GSPPQNFTVVFDTGSSNL TGEVTAI PQLFDVEYLAPVEI GTPPQTLMLNFDTGSSDL GEVSAVPQLFDSEYLAEVQI GTPPQTVNLDFDTGSSDL I NQDGNDYTYFSTMKFGSKGQEMYMLI DSGSANT
UniRef90_R8BMA1 UniRef90_W9VTP1 UniRef90_Q4S9Z7 UniRef90_O16339	VQFYGKI SI GTPPQDFTVLFDTGSSDL TGNESUYDHF DEYYTVSVRI GTPAQHFEVALDTTSSNL
UniRef90_UPI000441790A UniRef90_A8XDB9 UniRef90_P00799 UniRef90_Q2HCE4	NDYGDVEYLGNITI GTPPQPFLVVLDTGSSNL ADGSVD TPGYYDFEYAI PVSI GTPGQDFLLLFDTGSSD <u>T</u>
UniRef90_A0A010RPL0 UniRef90_G0SAA2 UniRef90_F2PMM2	GEVAAIPAEFDSQYLCPVQI GTPPQTI PLNFDTGSSDL VEVKNLWSGTRYTVDVEI GTPPQTVTL I LDTGSPDT APNTLGI NNDGYDFSYFSEI KVGSEGQKMWML I DTGASGT GDGSSGLGNVNGDLGYYAL I TVGTPPVEYEVL LDTGSSNL
UniRef90_UPI000455D077 UniRef90_Q9HEZ3 UniRef90_C9S7L8 UniRef90_U7PQA2	GDGSSGLGNVNGDLGYYALITVGTPPVEYEVLDTGSSNLATGSVTTSPTEFDSEYLTPIDVG GTTMNLDLDTGSSDLTGSATTSPEANDVEYLTPVQLGTPAQNLVLDFDTGSSDLGQGMVAALPQMFDAEYLAQVTLGTPPQTLNLDFDTGSSDL
UniRef90_UPI00045609BD UniRef90_L8WWE5 UniRef90_W9YNM5 UniRef90_U6PKN5	NGTVETNPEANDVEYLTPVSIGTPEQVLNLDFDTGSSDLGEVAAIPAEFDSQYLCPVQIGTPPQTIPLNFDTGSSDLVEVKNIWSGTRYTVDVEIGTPPQTIPLNFDTGSSDLVEVKNIWSGTRYTVDVEIGTPPQTVTLILDTGSPDTAPNTLGINNDGYDFSYFSEIKVGSSGQKMWMLIDTGASGTGDGSSGLGNVNGDIGYYAIITVGTPPVEYEVILDTGSSDLATGSVTTSPTEFDSEYLTPIDVGGTPPVEYEVILDTGSSDLTGSATTSPEANDVEYLTPVQIGTPAQNLVLDFDTGSSDLTGSATTSPEANDVEYLTPVQIGTPAQNLVLDFDTGSSDLTGSATTSPEANDVEYLAQVTIGTPPQTLNLDFDTGSSDLTGSTDLTGSTDVGQDSYYYAQVSLGTPKQNFNILDTGSADFWAGQIEIGTPPQPFIVDFDTGSSDLTGSFDLGSTDLTGLTVQGTPAQRLAVTLDTGSADFWAGQIEIGTPPQPFIVDFDTGSSDLTGSFDLGSTDLTVGGTPAQRLAVTLDTGSSDLTVQGTDTGSSDLTVQGTLTVGTPAQRLAVTLDTGSSDLTVQGTLTVGTLTVGTLTVGTLTVGTLTVGTLTVGTLTVG
UniRef90_M2SQ15 UniRef90_G2X1N1 UniRef90_J4WF46	SVPL LYSSNLAYYGLIYIGTPEQQFRVQFDTGSANWTVQETLDNLETLYFANASLGTPPQNFRLHIDTGSSDLGTVQAFPPRNDIQYVVPVQIGSPPQTVFLNLDTGSGDLLANRQTGFFYTLDLEIGTPPQTVAVNFDTGSSELARGSVPTTPTKDDEQYVTQVTVG QGKLNLDLDTGSGDL
UniRef90_D4ANC3 UniRef90_J4I1C0 UniRef90_R7YIC9 UniRef90_K7VNE7	T V Q Q N L D N L E T L Y F A N A S L G T P P Q D F R L H D T G S S D L V P L D N Y L D T O Y F G O L S L G T P P Q D F R L H D T G S S D L V P L D N Y L L D T O Y F G O L S L G T P P Q N F T V L F D T G S S N L
UniRef90_K3WP14 UniRef90_T1I8P2 UniRef90_Q7R9G3 UniRef90_UPI00023AD846	A A G H P L V N F M E F Q F F G P V T G T P P Q E L V C F D T G S S D L C A F F G T A S L G P N V Q E F A V I F D T G S S V L C A F F G T A S L G P N V Q S F T E I D T G S S N L C A F F G T A S L G P N V Q S L G P N V Q S L G P N V Q S L G P N V Q S L G P N V Q S L G P N V Q S L G P N V Q S L G P N V Q S L G P N V Q S L G P N V Q S L G P N V Q S L G P N V Q
UniRef90_N1PP75 UniRef90_I7MK30 UniRef90_J3KDA9	E MLY MGNIT I GTPPQEFQVIFDTGSSDL T G D V P A E D V E N N A E Y L A T V G I GTPP Q P F V I L F D T G S S D L I K V Q N Y L D M S Y Y G E I S I G T P P Q P F V I L F D T G S S D L S V A V N Q D G Q D Y S Y F S V A R F G S G G Q E M W L L L D S G A S E S Y M D N I Y I I N I T I G T P P Q H F E V I P D T G W V I S A T G N D A L T D D N S E L WY G K I S V G T P A V D Y T V D F D T G S S D L
UniRef90_A0A044UMJ9 UniRef90_UPI000455F9C7 UniRef90_P00798 UniRef90_I1LAZ3	ATGNDALTDDNSE LWYGKI SVGTPAVDYTVDFDTGSSDL ASGVATNTPTANDEEYLTPVTI G GTTLNLNFDTGSADL GLVPLKNYL DAQYYGEI GI GTPPQKFNVI FDTGSSNL VPL DNFL DTEYFGEI GVGTPPQNFTVI FDTGSSNL
UniRef90_W5HKG4 UniRef90_T1HPQ4 UniRef90_G7DVM9 UniRef90_S4TAM1	GPFPEPLSNYL DAQYYGPITLGSPPQNFTVIFDTGSSNLSAQEPLSDYGLDTQYFGTVAIGTPAQDFQIDFDTGSSNLIALKNYM DAQYYGEIGIGTPAQKFTVIFDTGSSNL
UniRef90_G3J8T4 UniRef90_J3PC87 UniRef90_V8NXW0	GSSEVPAWAQEFDIEYLSPVMVGDPGQLVFLNFDTGSAEL
UniRef90_P78735 UniRef90_G9MLM6 UniRef90_W6KTK3 UniRef90_F8P7X6	S G T A VT T P E A N D V E Y L T P V N V G G T T L N L D F D T G S A D L D S A D D E Y I T N V S I G T P A Q V L P L D F D T G S S D L V I N D F L G M Q F Y G P I R L G T P P R E F Q V I F D T G S S G T D L V G N Q G D D I S Y F A S L A I G T P P A L F D V T L D T G S S L L
UniRef90_E3QIU6 UniRef90_F6TIG0 UniRef90_P09177 UniRef90_D0NFI6	S G T D L V G N Q G D D L S Y F A S L A I G T P P A L F D V T L D T G S S L L G E V A A I P A E F D S Q Y L C P V Q I G T P P Q T L N L N F D T G S S D L Q T Q Y Y S E I S I G S P P Q T F K V I F D T G S S D F G D G S V D T P G L Y D F E Y A I P V S I G T P G Q D F Y L L F D T G S S D T A Q G L V P L E N F M E F Q F F G P I A I G S P P Q E V L V C F D T G S S D L A E G S I P L G N A E M D T S Y Y G V V S V G T P A Q E F N V V I D T G S S D L
UniRef90_UPI000455F74E UniRef90_Q9HF87 UniRef90_N1J5F9	A E G S I P L G N A E M D T S Y Y G V V S V G T P A Q E F N V V I D T G S S D L N G E V P A E D Q Q N D S E Y L C P V Q I G T P A Q T L M L D F D T G S S D L G T G K V T A T P V M G D V E Y L S P I S I G G Q T I N M D F D S G S S D L T I G L T D V G P D S Y Y Y A Q L S V G T P A Q N F N I V L D T G S S D F 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 V T Y T V D F D T G R R A V
UniRef90_I2FZJ5 UniRef90_S7QIV5 UniRef90_UPI00020ADB85 UniRef90_G8JTG3	VDVKIHNEQTFYSVNLSIGTPAQEVTVLVDTGSSDL
UniRef90_M5G6M6 UniRef90_G9NC88 UniRef90_M4BLM8 UniRef90_M3INT6	VSQLPLTNANHDGSYYALLGLGTPPTPLNVLLDTGSADF TGTAVATPAGADSEYVLPVKIGTPPQTVPLNLDTGSSDL GHVPLENFME FQFYGPLTIGTPPQELLVCFDTGSSDL TVPVTTYNFKISYAGDITIGSSNKOKOTVLIDTGSSDL
UniRef90_F0VQB1 UniRef90_H3F0F5 UniRef90_F4REK6	A E T S V P I L Q M K D S Q Y V G V I G I G T P P Q F V K P I F D T G S T N L A V A S Q P F I D Y Y D D F Y L G D I G L G T P H Q N F T I V L D T G S S N L S L G L S L F A N D V G Y I A F I Y L G T P P K K F R V L L D S G S A D T
UniRef90_Q750Y1 UniRef90_M5CAC2 UniRef90_Q01972	VDI E DNQQMFYSVNLSI GTPPQEVRVLMDTGSSDL NEPLTDEQEQ LWAGNITI GTPGQSFLI DFDTGSADL SGSALTTPEADDVEYLTPVTI GSS TLNLDFDTGSADL

UniRef90_O02728 UniRef90_H3E1R8 UniRef90_A0BIH6 UniRef90_S8EG32 UniRef90_UPl000455DD1C UniRef90_GORYR0 UniRef90_S8ES51 UniRef90_S8ES51 UniRef90_S8ES51 UniRef90_M5CGM4 UniRef90_GON395 UniRef90_M5C386 UniRef90_F8NIB3 UniRef90_M7X1X0 UniRef90_U7Q1X3 UniRef90_U7Q1X3 UniRef90_U7Q1X3 UniRef90_U7Q1X3 UniRef90_UPl000328FBDA UniRef90_BQQ5 UniRef90_BQQ5 UniRef90_MSGSW4 UniRef90_BQQ5 UniRef90_GOSGN4 UniRef90_BQQ5 UniRef90_GOSGN4 UniRef90_QASDBA UniRef90_QASDBA UniRef90_QASDBA UniRef90_UPl000441790A UniRef90_A8XDB9 UniRef90_Q2HCE4 UniRef90_P00799 UniRef90_Q2HCE4 UniRef90_P0799 UniRef90_UPl000455D077 UniRef90_UPl000455D077 UniRef90_UPl00045609BD UniRef90_UPl00045609BD UniRef90_UPl00045609BD UniRef90_UPl00045609BD UniRef90_UPl00045609BD UniRef90_UPl00045609BD UniRef90_UPROM45609BD UniRef90_UPROM	ROYTERS
UniRef90_M5G6M6 UniRef90_G9NC88 UniRef90_M4BLM8 UniRef90_M3INT6 UniRef90_F0VQB1 UniRef90_H3F0F5 UniRef90_F4REK6 UniRef90_Q750Y1 UniRef90_M5CAC2 UniRef90_Q01972	WVAGTCSNPGSGCMSLSTWNPSTSETFVNASVNFGVGYGS WVLSTDTYPSQIQGQAIYDPNASNTSRRQTGLSWLIRYGD WVPGATCDACAGDRRFDHALSSTFSDNTRRRRAFAVQYGS WVVDSNAQCEVTRPDQTQDFCKHNGTYTPGTSQNLGTPF WVVDSNAQCEVTRPDQTQDFCKHNGTYTPGTSQNLGTPF WVVDSNAQCEVTRPDQTQDFCKHNGTYTPGTSQNLGTPF WVIDAACTTTACKYKKHQFDTTKSTTFVKTSQPFILFYGS WCRNSKNPALGCNHPALNVD SSTLHILTDTKFNVSYGT WPNNYPNPNQLNCYEHGSFDTSRSSTWKDNNTQFHIRYGD WIPSSECASNGCSPHSKYDPSKSSTGSKQEGLFNLTYGDN WVFSSELTSSQQSGHDVYNVGSLGTKLSGASWSLSYGDGS

UniRef90_002728	GKILEGVVVRDTVRLGDLVSADQTFGLSLAETGFENTTLD
UniRef90_H3E1R8 UniRef90_A0BIH6	GSAKGFLGQDTVRFGTDDTVPKCTFGQATSIAAFFKRDVI GDLKGVVNADTVYFGDVTLPRQNLAEITSENGAIFRDLDF TVSGEQYTDTVTIAGLTATKQTLGAAKTYSSGFESSN
UniRef90_UPI000440E872 UniRef90_S8EG32	GSQASGPI OT DIVITAGET AT KQTEGAAKTYSSGFESSN GSQASGPI OT DVSVAGI SVT SQYLSAVT SESGNL V GGPA
UniRef90_UPI000455DD1C UniRef90_G0RYR0	GSASGNVVDNFTVGGLTVENQAVQCALQVSTSFTRESNL
UniRef90_UPI000455E3E3 UniRef90_S8E851	S S A S G D V W K D H I R V A G V S V H Q Q I L G A A K I Y S I G F E S S Q P A
UniRef90_S8FS77 UniRef90_M5CGM4	T V S G E Q Y T D T V T A G T A T K Q T G A A K T Y S S G F E S S N G S Q A S G P Y T D D V S V A G S V T S Q Y L S A V T S E S G N L V G G P A G Q A A G T L G Q D V V Q M A G F S V S N Q V F A A V T Q V T Q G L L N S P V G S A S G N V Y V D N F T V G G L T V E N Q A V Q A L Q V S T S F T R E S N T V S G T Q Y T D T V S A G L T V T G Q T L G A A K T Y S T G F E S S Q P A S S A S G D V W K D H R V A G V S V H Q Q A E V A R K L S S A F L T D G G N S E A S G P Y T D D V T V A G S V T D Q T L S A V T S E S G D L V G D V A S G A S G P Y S D T V T V A G L S A A Q Q Y F S P V T L E S A V F A S N P S R Q L L G Y L A K D V V S Y T P D L T A L H D F G S A K N V P Q L Y L E Q P F G E V V G T L A S D T A M L S G F R V K S Q Y F G A V N V M S P Q F L N D P A S S V S G E Q Y T D T V L I A G L L A T K Q T L G V A K Q Y S N G F N I A T F G S S C S G D V Y T D H V T I G G L T V Q N Q A V E S A R E V S R Q F A R G K G S S Q G F L A R D V V Q L G G Q S I P K Q I F A L A D T S A P V V E A L P S S S T G D V Y L D K V S A G R L S V N N Q A V E T A S R V D S S F N S E P N L
UniRef90_G0N395 UniRef90_M5G386	GEV GEL AKDIV VS Y I P DIL I I ALL H D F G S AKN V P QL Y L E Q P F G S V V G T L A K D V V S Y I P DIL I I ALL H D F G S AKN V P Q L Y L E Q P F G S V V C Y S Y D P A S C S V S C S C
UniRef90_F8NIB3 UniRef90_J5K1S9	GSSCSGDVYTDHVTIGGLTVQNQAVESAREVSRGFARGKG
UniRef90_M7X1X0 UniRef90_C7ZCV9 UniRef90_U7Q1X3	SSSTGDVYLDKVSAGRLSVNNQAVETASRVDSSFNSEPNL GSVSGTVGTDVVNIGGASVAKQAVELATQVSSSFVADTAS STSSGDVYLDTVTVGGLTVLSQAVEVAQKVSEEFTSDANN KFVGYDVVQVGSLVIPSQAFGLTLHEVSSLDENEDSKEAC GQAAGSLGSDTVQMAGFSVSD QVFGVCDQVSSGLLTAPV GSLSGFCSQDYVTIGDIVIKDQVFVEATREPSITFLAAKF
UniRef90_G2RCL3 UniRef90_UPI000328FBDA	STSSGDVYLDTVTVGGLTVLSQAVEVAQKVSEFTSDANN
UniRef90_D8Q0Q5 UniRef90_M0SBC8	GQAAGSLGSODYVILIGDIY VILKDOVEVENT REPSITE IN A KE
UniRef90_G0SGN4	G S K S G N V W L D T V S I G G I A V D N Q A V E S A T S V S S S F T N D N A S
UniRef90_W9VTP1 UniRef90_Q4S9Z7	GEVDGV VATDTVQLANYTVSMDF GLASTASDDFNNYPM
UniRef90_O16339 UniRef90_UPI000441790A	ĞDVİSĞDLLĞKDNI QFAĞSKI QNQDFĞLĞTDATRLSĞVTFDĞ SVRGEQYADAVSLTGKKATGOTLGASTOYSSĞFOSPFPA
UniRef90_A8XDB9 UniRef90_P00799	GNAKGYLGQDTVSFQQLPVPKTTFGLATQLSAEFKNDAAD GGANGLYFEDSI ALGDITVTKQL LAYVDNVRGPTAFQSPN
UniRef90_Q2HCE4 UniRef90_A0A010RPL0	GSYSGGNVYTDTVTVGGLAVPSQAVEVATQVSDEFTSDPN GSSSGNVFMDTVTIIGGVTVESQAVESATQVSSSFSRNKNO
UniRef90_G0SAA2 UniRef90_F2PMM2	Y G S G T A I V Q W V F E T L T I G S A T I L E Q I I G I N S W S E N G E V S G V I V N D T M S F A G F E L V T P F G S A S T A S D D F L I Y P M
UniRef90_UPI000455D077 UniRef90_Q9HEZ3	GEVDGV VATDT VQLANYT VSMDF GLASTASDDFNNYPM GSLSGFI SEDT VSVSGLRVPGQQFGEAVSQPGQTFVYTQF GDVSGDLGKDNI QFAGSKLQNQDFGLGTDATRLSGVTFDG S VRGEQYADAVSITGKKATGQTLGASTQYSSGFQSPFPAGNAKGYLGQDTVSFQQLPVPKTTFGLATQLSAEFKNDAAAD GASKLQNQDFGLGTDATRLSGVTFDG S VRGEQYADAVSITGKKATGQTLGASTQYSSGFQSPFPAGNAKGYLGQDTVSFQQLPVPKTTFGLATQLSAEFKNDAAAD GSANGLYFEDSI AIGDLTVTKQLAYVDNVRGPTAEQSPN GSYSGGNVYTDTVTVGGLAVPSQAVEVATQVSDEFTSDPN GSSSGNVFMDTVTI GGVTVESQAVEVATQVSDEFTSDPN GSSSGNVFMDTVTI GGVTVESQAVESATQVSSSFSRNKNQ YGSGTAI VQWVFETLTI GSA TIEEQI I GINSWSEN GEVSGVI VNDTMSFAGFEL VTPFGSASTASDDFLI YPPM VYGSLVQDTVSMGGFTMKGLKFGAASYEVSSGSSVI VPPPQ GSSASGNVYLDTVSMGGFTMKGLKFGAASYEVSSGSSVI VPPPQ GSSASGNVYLDTVSMGGFTMKGLKFGAASYEVSSGSSVI VPPPQ GSSASGNVYLDTVSMGGFTMKGLKFGAASYEVSSGSSVI VPPPQ GSSASGNVYLDTVSMGGVTVQNQAVE AAETI SSEFQQDPS GSSSNGDVYLDTVSVGGVTVQNQAVE AAETI SSEFQQDPS GSSSNGDVYLDTVSVGGVTVQNQAVE SATQVSSSFTSDPL SSSSGSVI VPPPQ GSSASGNVYNDTVSVGGVTVQNQAVE SATQVSSSFTSDPL SSSSGSVI VPPPQ GSSASGNVYNDTVSVGGSTTNRTQGFGCAI SETNQFATDVV DSDAAG GNVYND TRFFGGKTLTD GGV AL SLFDSHGVM GTVTAYI DYCFGGCGCSYCT NRTQGFGCAI SETNQFATDV VSGASGNVYND RVALGKTSFAAQAI ESASQVSPSFTRDSFGGAADI ESASQVSPSFTRDSFGAADI EYGVAHDSEFA
UniRef90_C9S7L8 UniRef90_U7PQA2	G S S S N G D V Y L D K V T I G G L T V K K Q A V E A A Q K V S S S F T S D P L S S S S G D V Y L D T V S V G G V T V Q N Q A V E S A K Q V S A S F S S D A A S
UniRef90_UPI00045609BD UniRef90_L8WWE5	GAVQGSLAADTASLAGYTVFNLTF AQADRIAQDTIESPA SGVSGPVYADTVTVAGLNLFTEFISQLFSPVNETNSLDDY
UniRef90_W9YNM5 UniRef90_U6PKN5	DSDAGDWATDTITVGGSDPIRDQQIGVAL SLFDSHGVM GTVTAYLDYCFGCGCSYCTNRTQGFGCAISETNQFATDVV
UniRef90_M2SQ15 UniRef90_G2X1N1	S G A S G D Y A T D T F R F G G K T L T D M Q F G I G Y V S S S T E G I L G I G G S G A S G N V Y N D R V A L G K T S F A A Q A I E S A S Q V S P S F T R D S F
UniRef90_J4WF46 UniRef90_D4ANC3	GHADIEYGYD YVTVGTSKINQQIFGVAHDSEFA MSSAGGDVFLDTVSIGNVTASSQAVESAKKVSDQFAKDKA
Ullikela0_K/ LICa	SSASGDVYTDHVRVAGVHIHGQAVEVAQHLSKNFLTDGGNGASGDYVADTFRFGGEELPGLQFGIGYTSSSSEGILGIGGQLAGFFSEDNVLVGNLVVQNQKFIETTRETSPTFLIGKF
UniRef90_K7VNE7 UniRef90_K3WP14	GQI AGFFSEDNVLVGNLVVQNQKFI ETTRETSPTFI I GKF GKVSGR <u>FG</u> HDTVRVAQ <u>YE</u> I KNG <u>I VGV</u> VTDEEESMA <u>K</u> MKA
UniRef90_T1I8P2 UniRef90_Q7R9G3	GKVSGRFGHDTVRVAQYEIKNG IVGVVTDEEESMAKMKA GRITGKIVKDTLTLGELVVKNQEFAEAVSQSSYPFMISKL GGLKGFFS NDIFTIGHHTLPYKFLEVTQTDDLEPIYTAS
UniRef90_UPI00023AD846 UniRef90_N1PP75	G S T A S G D V G T D N V N A G G L V V Q N Q A I E L A K T L S A Q F E Q G P G
UniRef90_I7MK30 UniRef90_J3KDA9	GAVTGHLATETVTLGPLQAQNVTFGLAKTLTSAFET TKFGHVEGVIVRDTLSMAGFQLE LDFGSALNVSQDFANYPMGYAAGTLGTDVVSFAGLTL DEQLFGVAEKLSYVFGDLPL
UniRef90_A0A044UMJ9 UniRef90_UPI000455F9C7	
UniRef90_P00798 UniRef90_I1LAZ3 UniRef90_W5HKG4	S ASGNVFTDSVTVGGVTAHGQAVQAAQQISAQFQQDTNN GSISGFFSKDHVKVGDVVVKNQDFIEATREGSLSFVLAKF GSIAGFFSFDSVLVGFIVVKNOKFIETTRFASPTFILIGKF
UniRef90_T1HPQ4 UniRef90_G7DVM9	GSLSGFLSQDHLTI'GGITVANQTFAEAVNEPGMVFVAAKF GATEGELATDDVAVAGITVTNOVWALANTTASIEFEKTPA
UniRef90_S4TAM1 UniRef90_G3J8T4	GS TA GF FS QD S V K L G D L V V K D Q D F TE A T R E P G I T F WA A K F G F A N I E Y G Y D Y V T V G T S K I N O O T F G V A H D S F F A T T G I M G V
UniRef90_J3PC87 UniRef90_V8NXW0	GSSANGITAYRDL MST GDLL TPNMTT QTASYVSS MI MQDL GSLSGYLSQDTVT I GDLCVKNQLFGEATKQPGITFII AAKF
UniRef90_P78735 UniRef90_G9MLM6	S G E Q T I D T V A I A G L T A T K Q Q V Q A A Q Q T S A Q F Q Q D T N N G S I S G F F S K D H V K V G D V V V K N Q D F I E A T R E G S L S F V L A K F G S I S G F F S K D H V K V G D V V V K N Q D F I E A T R E G S L S F V L A K F G S I A G F F S E D S V L V G E L V V K N Q K F I E T T R E A S P T F I I G K F G S L S G F L S Q D H L T I G G I T V A N Q T F A E A V N E P G M V F V A A K F G A T E G F L A T D D V A V A G L T V T N Q V W A L A N T T A S I F E K T P A G S I A G F F S Q D S V K L G D L V V K D Q D F I E A T R E P G I T F V A A K F G S I A G F F S Q D S V K L G D L V V K D Q D F I E A T R E P G I T F V A A K F G F A N I E Y G Y D Y V T V G T S K I N Q Q T F G V A H D S E F A T T G I M G V G S S A N G I A Y R D L M S I G D L L I P N M T I Q T A S Y V S S M I M Q D L G S S A N G I A Y R D L M S I G D L L I P N M T I Q T A S Y V S S M I M Q D L G S S S G D V Y T D K V T V G G F S V S S Q A V E S A T K V S T Q F V Q D T V I G G S V K A S P Q A V E S A T K V S T Q F V Q D T V I G G S V K G V L V E D K I Q F A S F T A N Q T F A E V S V S G L G K M Y V F A R W G T V S G M Y A Q D T V Q M A G F A V E K Q M F G L V N S T S V R L A N C P V G G S S S G N V Y M D T V T I G G V T V E S Q A V E S A T T L S T I P F E L A S F G G A N G I Y F R D S I T V G G A T V K Q Q T L A Y V D N V S G P T A E Q S P D G K V S G H F G L D V V H V A Q F Q V Q D T T V G I V R T E E E S M A R M K A G A F E G T L V Q D T V Q M G G F T V S S Q Q F G A L T Y Q N G E T V L P A E A Y S A S G T V G T D T V N I G G G A T V K N Q A V E L A T K L S A Q F E Q G A G D S G A S G N V G T D T V N I G G G A T V K N Q A V E L A T K L S A Q F E Q G A G D S G A S G N V G T D T V N I G G G A T V T K Q T V E L A T K L S A Q F E Q G A G D S G A S G N V G T D T V N I G G G A T V T K Q T V E L A T M V S Q S F T A D T G S G A V R G T L A A D K V S L A G Y T V N N L T F A E A S A V A S N T V E Y P T G S S V T G E V F V D T V T I S G L T A T G Q A V G A A N Q Y S S S F E V S Q F
UniRef90_W6KTK3 UniRef90_F8P7X6	GSVKGVLVEDKI QFASFTANQTFAEVSVSGLGKMYVFARW GTVSGMYAQDTVQMAGFAVEK QMFGIVNSTSVRLANCPV
UniRef90_E3QIU6 UniRef90_F6TIG0	GSSSGNVYMDTVTI GGVTVESQAVESATQVSASFTRNANQ SGWVEGFLSQDI LTI GEVKATQLFGEATTL STI PFELASF
UniRef90_P09177 UniRef90_D0NFI6	G G A N G L Y F R D S I T V G G A T V K Q Q T L A Y V D N V S G P T A E Q S P D G K V S G H F G L D V V H V A Q F Q V Q D T T V G L V R T E E E S MARMKA
UniRef90_UPI000455F74E UniRef90_Q9HF87	GAFEGTIL VIQDTIVIQMGGFTIVIS S Q Q F G A II T Y Q N G E T V L P A E A Y S A S G T V G T D T V S L G G L A I K N Q A V E L A T K L S A Q F E Q G A G D
UniRef90_N1J5F9 UniRef90_I2FZJ5	S G A S G N V G T D T V N I G G A T V T K Q T V E L A T M V S Q S F T A D T G S G A V R G T L A A D K V S L A G Y T V N N L T F A E A S A V A S N T V E Y P T
UNIKEI9U_UPIUUUZUADBoo	Q P L I
UniRef90_G8JTG3 UniRef90_M5G6M6	T S F A S G E WG T D K L D L G D L N A D G L T F A V A T A S N S S V A V L G I G S A K G V L G WD T V E L G G F E V V H Q P V G V C D H V S P G L V T N P L
UniRef90_G9NC88 UniRef90_M4BLM8	GSAKGVLGWDTVELGGFEVV HQPVGVCDHVSPGLVTNPL GSSANGIVYKDRVQIGNTFFDQQAIESAIRVSDDISDDTF GKVSGHFGRDVVRLAQFHVHD TSVGIVTVEEESMAKMRA
UniRef90_M3INT6 UniRef90_F0VQB1	RIQYGDGSTSQGTLYKDTIGIGGVSIKNQEFADVSSTSVS GRIEGSTGIDDFTVGPFLVKGQSFGLVESEGGHNMHGNIF GECRGYISTDVLNLAGLVYPTQGFGVSTSIASVFGQQPM
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UniRef90_Q01972	S ASGDVYKDTVTVGGVKATGQAVEAAKKISSQFIQDKNN

	130 140 150 160
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UniRef90_H3E1R8 UniRef90_A0BIH6	DGILGLAFQPLFTVWLEHEGFKENVE CT DGILGLAYPKMAPKNFNPVFDNLMDQRVLERNQFSFYFAK
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UniRef90_UPI000455E3E3	DGILIMG MA FOSILIS DY NA SPIVIFOTIL VIS OG KTTS PIVIF
UniRef90_S8E851	D GILLIGILIA E P KILIN TIVIE P H RIVIA T PIVION MILIE O KILLID P PIVIE T <mark>C</mark> K
UniRef90_S8FS77 UniRef90_M5CGM4	DGLMGMAFPALSNLDADPFFW TAIDQGAVSSGEFGFYL
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UniRef90_F8NIB3 UniRef90_J5K1S9	D GIL L IGIL IA F S S IL IN T IV IK P H K Q N T W F D N IV IK P Q IL ID D P IV IF IV IA D IL IR
UniRef90_M7X1X0	DGI CGLAFSTI ATSGAPTVFENALTEKI VSNPYFGFYLQR
UniRef90_C7ZCV9 UniRef90_U7Q1X3	D G L
UniRef90_G2RCL3	DGL VGLAFSSI NIVEPVAQKIFFDNALPSCDAPLFTADLK
UniRef90_UPI000328FBDA	S L L D Y G D F D G V R L S Y R G A T P V F D Q L W E L G F L S E N L F A F Y L S G L L G L A F Q S I A S S K A T P F W E A W D D P V M A F H L T R F S N D S Q
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UniRef90_G0SGN4	S GILLIGILIA E D HILIN QIVIR P N K Q K T W E S N A ILID VILLE M PIVIE S A
UniRef90_R8BMA1 UniRef90_W9VTP1	S G L L G L A F D A L N T V K P S S Q K T F F S N A M E N L A M P L F T A D G I L G L G R A T S S A L D S P T I M Q V L S N Q G H L A E N L L G L H L Q R
UniRef90_Q4S9Z7	D GIV L IG M A Y P S IL IS D II IT P IL IF D R II IM A A K IL L IP Q N IV I F S F Y IL IN R D
UniRef90_O16339	IV I IGII IG W P A T A II IN G T S T T M Q N II I I P Q II ID Q P II IF T T Y F T K S S
UniRef90_UPI000441790A UniRef90_A8XDB9	DGLLGMGFQSISVYNAPPLFQTLVSQRQ ISTPIFGILGLAFTALSVGHVTPVLINAINQGILDQPLFTVWLEHV
UniRef90_P00799	ADIFLOGLEGAAYPDNTYNTVHVNLYKQGLISSPLESVY
UniRef90_Q2HCE4 UniRef90_A0A010RPL0	A DI FLDGLFGAAYPDNTYNTVHVNLYKQGLISSPLFSVY NDLLGLGFSSINTVEPKSQKTFFDNAMPNLDSPLFTA SGLVGLAFGNLNTVKPAKQKTFFENAMTNLAMPLFTANLK
UniRef90_G0SAA2	II IP N GIL L IGIL IS P PIVIT G N N D Y P YIV L ID T MIVIA O GIL L IK S R A F SIL IDIL I
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UniRef90_Q9HEZ3	VNGLMGLAWQPLASDGTTPFWLTLVSSGQWDSPVMSLQLSDGLMGLAFSSINTVQPESQSTFFDNVQSNLASPVFCADGLLGLAFSSINTVSPSRQLTFFDNAKSTLDAPLFTADLSGLLGLAMNSINQVQPTPQKTFFSNAMADLAMPLFTASGLMGMGFQSLASSGATPFWQFTFQLARNIDNVDVSSPDVGTDGLIGLAFKSISRINAPTFDSLLSQNKIIKPLFSMRL
UniRef90_C9S7L8 UniRef90_U7PQA2	DGL LGLAFSSI NTVSPSRQLTF FDNAKSTLDAPLFTADL
UniRef90_UPI00045609BD	S G M G M G F Q S L A S S G A T P F W Q F T F Q L A R N D N V D V S S P D V
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UniRef90_W9YNM5 UniRef90_U6PKN5	
UniRef90_M2SQ15	DGI LGMAWDAVGGISPPLDQIFADKKMCPEALFAFYMGGAYPINEVAVGRAGLDPYPNLPAK LQDDGALNSMAYSLWL
UniRef90_G2X1N1 UniRef90_J4WF46	S G L G L G F G R G N T V K P R P V K T Y F E N V M P A L A S P V F T S N L Q T T G L M G V G P N L R G W N S P Y P Y I L D N L F T Q K F I N S R A F S L D L
UniRef90_D4ANC3	T D G L M G L S F S V L N T V Q P K P Q T T F F D T V L K Q L E K P L F T C
UniRef90_J4I1C0 UniRef90_R7YIC9	D GILLIGILIA WP SILIN TIVIO P N AIVIA T PIVIO N MILID K NILLIN P PIVIE TIVIK
UniRef90_K7VNE7	DGILGLGFPEISVGGAPPIWQSMKQQKLVAKDVFSFWLNR
UniRef90_K3WP14	DGILLGILAEDGILAESDPPILEEL ILLEOYPDILDPIVEAEYILS
UniRef90_T1I8P2 UniRef90_Q7R9G3	DGI LGL S F P E N S V Y K N T V L N N L L S Q Q L L T E P I F S I Y I N E F D G I LG L G W K S L A V G N V E P V I V E M K K R G Q I E N A V F S F Y L E G T P F D G L LG L K Y P N L S V F G A I S I F D N L K N Q G A L S E P V F A
UniRef90_UPI00023AD846	EGTPFDGLLGLKYPNLSVFGALSLFDNLKNQGALSEPVFA
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UniRef90_J3KDA9	
UniRef90_A0A044UMJ9 UniRef90_UPI000455F9C7	PADGI MGLGWPALISNFPVAIPMQNGELDEPMLIVYMIHSLFG
UniRef90_P00798	D GL L GL A F S S N T V Q P Q S Q T T F F D T V K S S L A Q P L F A
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UniRef90_T1HPQ4	D G I L G L G Y D T I S V D K V T P P F Y N M Y K Q G V V Q T P V F S F Y L N R
UniRef90_G7DVM9 UniRef90_S4TAM1	DGI MGMGFSTI AQSGAPTYFENYFAFFLGRASDVSSSAAT DGLLGLGFQEI SVGKAVPVWYNMVKQGLVAEPVFSFWFNR
UniRef90_G3J8T4	G PNLRSWDSSYPYVLDNLFKQKFINSRAFSLDI
UniRef90_J3PC87 UniRef90_V8NXW0	G PNLRSWDSSYPYVLDNLFKQKFINSRAFSLDINMSGLAGLCINHPSTVGPRQPSLLDMLEPILEEHVFTADLDGILGMAYPKISVDKVAPFFDNVMEQGLLEKNIFSFYLNRNDGLLGLAFSSINTVKPKSQTTFFDTVKGQLDSPLFAVTL
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UniRef90_W6KTK3 UniRef90_F8P7X6	
UniRef90_E3QIU6	S GL V GLAF G T LN T V Q P T K Q K T F F E N A M S N L A M P L F T A N L K
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UniRef90_D0NFI6	D GL LGMAFD GLSTFSHPPQYPELDSVFAFYLSPDPNTNGS
UniRef90_UPI000455F74E UniRef90_Q9HF87	QGIL MGFAWRPILIAQAGTPFWESGQWDEPILMAIL QILTRFGNDT
UniRef90_N1J5F9	NGL VGLAFSKLNTVKPTQQKTFFDNMIPNLSQPVFTADLR
UniRef90_I2FZJ5	NGL VGLAFSKLNTVKPTQQKTFFDNMIPNLSQPVFTADLR SGIMGMGFQSLSTSGATPFWQFTFQLARNIDNINPNDPNI PADGLMGMAFQSISAFDQSPVFQTLINQGQTTSPVFGFSL
UniRef90_S7QIV5 UniRef90_UPI00020ADB85	ENYLDVRFAVIHVFPHLVTTRLGPHYIIALHCEMFAAKVEW
UniRef90_G8JTG3	ENYLDVRFAVIHVFPHLVTTRLGPHYIALHCEMFAAKVEW GLTGIEVTRASGDNGYEYDNLPIVLKRNGVIDKTAYSLYL SGLMGLGFQPLSVSGATPFWEDWSSPVMGFFLTRFINSSS ASGLLGAAGSAGNTVRPDKQKTYLDNIKDQLAKPLFTANL DGLLGLAFDGLSTFSHPPLFFVLLEQYPELDAVFAFYLSP QGLLGLGGGYQNNEAGGFYDNVPITLKKQGLISKNAYSLYL
UniRef90_M5G6M6 UniRef90_G9NC88	S GL M GL G F Q P L S V S G A T P F W E D W S S P V M G F F L T R F I N S S S A S G I I G A A G S A G N T V R P D K O K T Y I D N I I K D O I A K P I F T A N I
UniRef90_M4BLM8	DĞLLĞLAFDĞLSTFSHPPLFFVLLEQYPELDAVFAFYLSP
UniRef90_M3INT6 UniRef90_F0VQB1	QGILGIGYQNNEAGGFYDNVPI TLKKQGIISKNAYSLYL KSINF <u>E</u> GIVGLE <u>M</u> SS <u>TGDVPIYDNII<mark>H</mark>QGTLKE<u>N</u>E<u>F</u>AFY_</u>
UniRef90_H3F0F5	DGI LGLGWPALAVDGVVPPI QNLLDQPI FTVWLDRHVDGLGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG
UniRef90_F4REK6	DGLMGTAKSSLSSQKVITPLEAMAKAGIISGAFIGYSLGR
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UniRef90_A0BIH6 UniRef90_UPI000440E872	LGELNVSLSKI DANDLAHSEFT FKLSSSGASLF	Marchae		/	WANTE IN IN
UniRef90_S8EG32 UniRef90_UPI000455DD1C UniRef90_G0RYR0	F Y L A E T G S E L Y Q Q E L E P G G T F T WK S E G T Y D	L G G S D D S M G G T N S S	KYSGNPER LYTGDIDY	F H D I T S T T G Y Q N V P T T P T Y P V N T S P G Y H Y T D V T Q E G Y H D P S R G F	FWQIGG YWLQNI WTFTSS
UniRef90_UPI000455E3E3 UniRef90_S8E851	GFKLTSSGAGL LGHGSEQSFYS	TIGGVDS	SAYTGKE!	H Y T D V T Q E G Y Y H H D P S R G F	Y WQVT T WQVAST
UniRef90_S8FS77 UniRef90_M5CGM4	ASSGSELYL	כנונס טטו	KYTGSIT	WAALTNKTY	WLT
UniRef90_G0N395 UniRef90_M5G386	G D V S G K N G G L I L S R Q E Q G A V L S K L A D N G A E L	T Y G A L D T	VNCDSNII HYTGGIT	N Y <mark>V P L </mark>	Y W G F F M W E <mark>V Q</mark> S T
UniRef90_F8NIB3 UniRef90_J5K1S9 UniRef90_M7X1X0	H K A S D L T S A S K G T	IVIP (i I	Y	<u>TVRDVSYV</u>	Y WQVN M DVDSSD WEIPAD
UniRef90_C7ZCV9 UniRef90_U7Q1X3	R Q R P G T Y N R H D A A G S Y E F G	F G Y I D N S T I D S T Q F	TYTGNLG`NGTMHFA	Y	W W Q F T S Q F S S S K
UniRef90_G2RCL3 UniRef90_UPI000328FBDA UniRef90_D8Q0Q5	A G A A G R F N S S E D K K N S S V L V Q S L E Y G G S F T	FGYIDPS MLGGVDP MGFTNSS	AYTGNIT SYYSGEL	Y V P V D S R N G H W V P V S R P F Y T D V V G S T O	FWEWT <mark>C</mark> YWEVDS TYWLVE
UniRef90_M0SBC8 UniRef90_G0SGN4	NVNEGAGGEIV NLKKAEPGNYN	F G G V D S Q F G F I D T T	HYKGEHI EFLGPLHI	V P V T Q K G Y Y	WQFNME FWKFEA
UniRef90_R8BMA1 UniRef90_W9VTP1	NLKQAEAGNYN SSDGAKDGQIT	F G F I D N T F G G V D S S	EFTGSITE KFAGKLS	F V P V N N T Q G Y A K T I N S D S Y	F WAFDA WQI S A D
UniRef90_Q4S9Z7 UniRef90_O16339 UniRef90_UPl000441790A	PEAAVGGELML VHNGTVGGEI AFKLAKSGSEL	TFGAIDT	THCQSQLI ALYRDSF	Y V P V D S R N G Y T D V V S R P F Y T D V V S R P F Y T D V N S T D G E V D V N S T D G Y A K T L N S D S Y A K T L N S D S Y S V T R Q S Y W N Y V R L A Y D S A Y O P V S S A Y O	LWSYSI YWQVNM
UniRef90_A8XDB9 UniRef90_P00799		15 5 8 () 1 5 5		: + & : : 	
UniRef90_Q2HCE4 UniRef90_A0A010RPL0 UniRef90_G0SAA2	KAAAGNYNFGF RGVDNPTGSI <u>I</u>	LDSTEYT	GDI TFVP	ANTTQGFWQ	F W A W K S F T A Q G F T P I G A Y
UniRef90_F2PMM2 UniRef90_UPI000455D077	A S E G A T D G Q I T R F R N D T N A T E V	F G D I D K S E P G G T F T	K F S G E L I N M G Y V D T N L	Y T D V M S R Y G G Y T P V D S S G G A N T T Q G F W Q C P M L P A S Q Y S N V V P N G Y Y N G D L E Y H T P V D N S D G F I D A N T N G Y V D L P N N Y W Y V P L F A	Q WE I A M A L T M S P
UniRef90_Q9HEZ3 UniRef90_C9S7L8 UniRef90_U7PQA2	DLKYEAPGVYD KHAADPAGKYN NLKKSEAGNYN	F G F I D S S F G Y I D K T	KHTGVTY AYKGITY	TPVDNSQGF TNVDNSDGF	WGFTAS WSFTST
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UniRef90_W9YNM5 UniRef90_U6PKN5	N D L Q A N K G S I T K K D R G A A G E L T N D L D S S T G S I L	F G G I D T T I C G T D P A F G G V D T E	KYTGD <u>YV</u>	YV PLIAERL	WRILIEILIG
UniRef90_M2SQ15 UniRef90_G2X1N1 UniRef90_J4WF46	A G R P G N Y N F G F	IVIARNEYT	GRILIGYTPI	[QYTGMG IKVDGT APDGKT
UniRef90_D4ANC3 UniRef90_J4I1C0	TLKHGQPGSYD	FCHIIDTT	K H S G E I A Y	Y T N V D N S Q G Y	WWGFHS WEVAST
UniRef90_R7YIC9 UniRef90_K7VNE7 UniRef90_K3WP14	N D L D A S T G N I L D P D A S S G G G E L P E P N S N G S Q L H	F G G V D T A V F G G V D P	KYVGNLQ KHYKGDH	TLPIIPYQG TYVPVTRKG WQLWTFWR QTNSIEPG	QIIYAEF YWQFDM
UniRef90_T1I8P2 UniRef90_Q7R9G3	FEAENSHIGIFI		r i i Gulli	IENLINESI	
UniRef90_UPI00023AD846 UniRef90_N1PP75	FYLSKAKGSVV SAADDSTSFYT	M F G G V Y K F G Y V D D Q	SYYQGNWN ATDGQTP	<u>/ </u>	S <mark>V</mark> HME <mark>C</mark> WMFDST
UniRef90_I7MK30 UniRef90_J3KDA9 UniRef90_A0A044UMJ9	S D K E N S D D S E L A A D D T R D G Q L T T G R E E V Y G G Q L	FGDIIDKS TEGGEDE	K F T G D L T	T W T OIL IT S O S	WEI PVS FWOFTI
UniRef90_UPI000455F9C7 UniRef90_P00798	T K D G A E L T VA L K H Q Q P G V Y D P K A K D G G E L I D P D A S A G G E L V	VGGTDSA DFGFIDS	SVSGDFT SKYTGSL	YAPVTKQGY YYTGVDNSQ	WQFSAD GFWSFN
UniRef90_I1LAZ3 UniRef90_W5HKG4 UniRef90_T1HPQ4	DPKAKDGGELI DPDASAGGELV	F G G V D K K	H Y K G K H T '	Y V P V I K K G Y Y Y V P V I R K G Y Y Y V P V N K O G Y Y	WQIIIE MG WQFDMG WQFSMD
UniRef90_G7DVM9 UniRef90_S4TAM1	DPAASVGGELIRSGTVNNVGELHTDEEQGGELV	IF G GIVID P S	RYTGSFT HFKGEHV	Y A P V Q L K G Y Y Y A K V T K K G Y	WE <u>VL</u> CD WQFDM <u>G</u>
UniRef90_G3J8T4 UniRef90_J3PC87 UniRef90_V8NXW0	R Q V T S A R G A A V R H R D T G R Y R F G]F	K F K G P L V I	K K DII TIPASS:	SPDGKV QFDLNG
UniRef90_P78735 UniRef90_G9MLM6	K H N A P G T Y D F H Q Q T G S Y N F	G F V D K N G F I D T T	KYTGSLT`	Y A Q V D S S Q G Y T P D G S E G Y	F W S F T A W G F T A T
UniRef90_W6KTK3 UniRef90_F8P7X6	PKKSSEKGOLI	1 (G (G Y I) N I)	$H \vdash I (\exists K I) / I$	V <mark> </mark>	W I W IN II II
UniRef90_E3QIU6 UniRef90_F6TIG0 UniRef90_P09177	PSASNUT RPFT KGAAGNYN SSIDFRIRRTL SSPVFSVYMNT	NDGGGQIV	VIFGGANN	-	CWSISI TDVLKS
UniRef90_D0NFI6 UniRef90_UPI000455F74E	ELHLGGYDEDF SASNAFPGGSF	M G S L E A S T M G Y T N S	WQMTDVL	PQFGQWTFW FYHNITFTP	RUHLHS TWWVID
UniRef90_Q9HF87 UniRef90_N1J5F9 UniRef90_I2FZJ5	ADKGASFYTFG SNAVGAYE	Y I D Q D V V F G N I D S S	GSQELYY KYNGSWAI		
UniRef90_S7QIV5 UniRef90_UPI00020ADB85	T STGGELT VHDDQSGSVVI	G G V D G T F G G I D S S	QFAGTLT YYSGS <u>N</u> W	QVPVTQQGY VPVTVEGYW	WQVDLA QITVDS
UniRef90_G8JTG3 UniRef90_M5G6M6	T STGGELT VHDDQSGSVVI NDLDATSGSVL PALLQPGGSFT KKGKPGNYNFG	FGAVDHS MGFVDTT	KYTGTLA L LFTGALD V	VPLVNVNA WAGIPPGRE	RYGFPK GYWLSV
UniRef90_G9NC88 UniRef90_M4BLM8 UniRef90_M3INT6	N P N T S G S E L H L N S Q D A G T G O I	G G Y L D A T F G G V D N A	WQVT DV L	_NPKGPLWEL PQFGQWTFW \LPVTSNRF	RIALHS LRIHLD
UniRef90_F0VQB1 UniRef90_H3F0F5	N P N T S G S E L H L N S Q D A G T G Q L I M A K G S Q V S A L K P A E D K L G G L L	F F G G V D P T Y G G L D S	R F Y E P P I E N C D A Q V I	MFPVTREH DYVTLSSKT	Y WE T P Y Y WQ F P [
UniRef90_F4REK6 UniRef90_Q750Y1	VSDNQNLGQAT NELNAKTGSVL ASSGSELY	F G G V D Q T F G A V D H S	K F S G N L T I K Y K G T L N	M F P N V N K K G F V P L V N A N Y V A A L T N K T Y	F WE G E M R R R H T G W O T O C T
UniRef90_M5CAC2 UniRef90_Q01972	GTGRPWHLRF	GYIDSD	KYTGTI A	W A A L T N K T Y Y Y A D V D D S D G	VVQIQGI FWSFTA

UniRef90_002728	210 220 230 240 LT MK REVIA CS DG CRAL VDT GS S HI QG P G R L V DN VQ K H I
UniRef90_A0BIH6	K SV SILIG S Y T N N K G WN V I S D T G T SIL I S A PILIDIV V E N VIA K TIL
UniRef90_UPI000440E872 UniRef90_S8EG32	GVAVDGEI VVNSI SSI II DTGTTQI VGDEDNVAAVYKQI S ASLI NGKTVASGFDTLI DSGTTLMYGPPDAVSSAFDAVS
UniRef90_UPI000455DD1C UniRef90_G0RYR0 UniRef90_UPI000455E3E3	GYAVORDOA OSSIVASIVODE CTTL VAR TRAVILLA Y FA QUE
UniRef90_S8E851 UniRef90_S8FS77	A Y A V D G K T Y R S R D N T A I I D T G T T L C L I H D D A V E R I Y H Q I N A S I I I N G K T V A S G F D T I I D S G T T I M Y G P T S A V K S A F K K A S
UniRef90_M5CGM4 UniRef90_G0N395	E G A S S V N G V Y G Y K G P M I I D S G T T I I V G A T S S V K H W W S H V P N S F T M G S Y K R A T K E Q V I S D T G S G W L G A P T A V I T A V V K A T G
UniRef90_M5G386 UniRef90_F8NIB3	GSVVNGKAVQPS FKAAIDTGTTLIYLPSAATAALYKAIP DALTLNGKEVFGEVEAI LDTGTTLIVGHPNDVQKFYSGIA
UniRef90_J5K1S9 UniRef90_M7X1X0	GFWGFNASTSFGEVQGII ADTGTTLLLLDDKTVEGYYADVKGISVDGQVVSGTSMSAAIDTGTTLIYVPTAVANALYGKIIG
UniRef90_C7ZCV9 UniRef90_U7Q1X3 UniRef90_G2RCL3	FAIGNGAVQTGGAGQAIADTGTTLLLLPNTVNQAYYAKVS
UniRef90_UPI000328FBDA UniRef90_D8Q0Q5	VSINGEVIACKHGCWAIFDTGTSLLHGPYDSVLNI HTVI MONNDVSLPSGSESYAAIDTGTTLLIGGPSEYVAKIIYENID
UniRef90_M0SBC8 UniRef90_G0SGN4	DVGSQTTGF <mark>C</mark> SGG <mark>C</mark> SAFADSGTSLIAGPTTVITELNQKIG TGFSFQNANS <u>T</u> DNHTA <u>LA</u> DTGTTLLLLPSAITQAYYWQVA
UniRef90_R8BMA1 UniRef90_W9VTP1	D G F S V G D G Q A V T M A H E A I D T G T T L L L L P D A I V A S Y Y S Q V A D A G V D G K A V G F Q G K T A I I D T G T S Y I L M P P A D A D A L H E L I P
UniRef90_Q4S9Z7 UniRef90_O16339 UniRef90_UPI000441790A	N
UniRef90_0P1000441790A UniRef90_A8XDB9 UniRef90_P00799	T S F K L G N Y V Q S K T Y Q V I S D T G T S F V G G P Q A V V D G M A K A L G A P V I G L T V R F S R P Q A F T L D T G T N F L M P S S A S K L L P D A T
UniRef90_Q2HCE4 UniRef90_A0A010RPL0	D G V S V N G G R V L G G T S V I I D S G T T L I V G E P H A V Q R L Y S N I P T S F K L G N Y V Q S K T Y Q V I S D T G T S F V G G P Q A V V D G M A K A L G A P V T G I T V R F S R P Q A F T I D T G T N F F I M P S S A A S K I L P D A T S G Y A V G S G S F K T T T F R G I D T G T S L L L L P S S V V S A Y Y R Q V R A V G S N G S A P T S A P H A A I A D T G T T L M L L P D A I V S A Y Y Q R I A R Y Y V I T M T G I G V I F P P V F L D S G G T F S Q L P P E I V Q A L A S V F T D D L T M D G K S L N L K G R T I I D T G T S F L I L P P A D A D L I H S I I P S W W K P I S P P V G N Y S Q A I D D S G T S F L I L P S S I V K K Y Y A Q V K G Y Q V G T A A F K S S P V T G I A D T G T T L L L L P S S I V K K Y Y A Q V S G G F S V G N S S T A T I T S F P H D T G T T L L L F P D G I V N A Y Y G Q I R I S V N G Q K A N I G N G P L A A I D T G T T L L G S P Q S Q V R A V Y S L P N G T T S A N G Q E G F S G K M I D S G T T A I L G S Y D S V W N W W S K V P T G Q T T Q L S P E G Y A Q S V L L D S G T S Q T L L T D D V F S A L A N G F G
UniRef90_G0SAA2 UniRef90_F2PMM2	RYYVTMTGIGVTFPPVFLDSGGTFSQLPPEIVQALASVFTDDLTMDGKSLNLKGRTIIDTGTSFLILPPADADLIHSIIP
UniRef90_UPI000455D077 UniRef90_Q9HEZ3 UniRef90_C9S7L8	S WWK P
UniRef90_U7PQA2 UniRef90_UPI00045609BD	G F S V G N S S T A T L T S F P H D T G T T L L F L P D G L V N A Y Y G Q I R
UniRef90_L8WWE5 UniRef90_W9YNM5	NGTTSÄNGQEGFSGKMTI DSGTTÄL LGSYDSVWNWWSKVP TGQTTQLSPEGYAQSVLLDSGTSQTLLTDDVFSALANGFG
UniRef90_U6PKN5 UniRef90_M2SQ15	PVYARGTSLTTGPQQAIVDTGSPIITAPMSVVQQIINLAG ENGNDGSLFKNENVPVLLDSGSSLMYLPDQVANALYQTYN
UniRef90_G2X1N1 UniRef90_J4WF46	QII G G G E Y N R T T T L D R V I V D T G T T L L IML P D E H V D A Y Y D Q V E R Y W A T C D N A Q T Q P Q V Y L F D S G Y T I S S L P T T I F N E L L K A F P
UniRef90_D4ANC3 UniRef90_J4I1C0 UniRef90_R7YIC9	NGTTSANGQEGFSGKMIIDSGTTALLGSYDSVWNWWSKVPTGQTTQLSPEGYAQSVLLDSGTSQTLLTDDVFSALANGFGPVYARGTSLTGPQQAIVDTGSPIITAPMSVVQQIINLAGENGNDGSLFKNENVPVLLDSGSSLMYLPDQVANALYQTYNQIGGGEYNRTTTLDRVIVDTGTTLLMLPDEHVDAYYDQVERYWATCDNAQTQPQVYLFDSGYTISSLPTTIFNELLKAFPFHGAQHRGTRGSSIDGIADTGTTLMLLSDDVVQEYYGKVQAYTDDRKPNRRAKNTAILDTGTTLCLLHDDVVEDIYHHLSINGNTNNLMSSAQVPVLLDSGSTLIYLPNDVVTTIYSEFNLIGGHSTGFCAGGCAAIVDSGSTLIYLPNDVVTTIYSEFNLIGGHSTGFCAGGCAAIVDSGTSLIGGPSNLYLDFLYDVAVESISTSQQSTNWCQNGCDTGTSLIVGPRYVVNNLLKSIVAFG
UniRef90_K7VNE7 UniRef90_K3WP14	I ÎGGHSTGFCA GĞCAĂI VDSGTSLLAĞPTTI VAQVNHATĞ RMGDKGSNLCTDECVAFVDSGTSLIGIPSNLYLDFLYDVA
I IniRaf00 T118P2	VESISTSQQSTNWCQNGCDTGTSLIVGPRYVVNNIL KSI VAFGIVTLDNANI IVDSGTSAITAPSDFLEKFLNTIM
UniRef90_UPI00023AD846 UniRef90_N1PP75	LSMKRKVIACSGGCEPFVDTETSLILGPRRLV NNIQKLI SAKVGDQTVTRSGNTAIADTGTTLALVGDDVCQAVYGAIP
UniRef90_I7MK30 UniRef90_J3KDA9 UniRef90_A0A044UMJ9	NSI SVGNLNLQLDS MI VDSGSSVVFGVPEVINPI I QLFP DAI VGGKRVNFTKKSAVI DTGTSFI LVPMKDAEAMHALIP
UniRef90_UPI000455F9C7 UniRef90_P00798	GLKSGKGSLAS FDALADTGTTLIVGPPDDVDKFMTSIG
UniRef90_I1LAZ3 UniRef90_W5HKG4	DFFIGSTGVCEGGCAAI VDSGTSLLAGPTTVVTEINHAI G DIGGDSTGF <mark>C</mark> AGG <mark>C</mark> AAI <u>V</u> DSGTSLLAGPTTIVAQVNHAI G
UniRef90_T1HPQ4 UniRef90_G7DVM9	SVIANGKTFCKGGCQAIADTGTSLIAGPTEDINALNKLLGGIAVNGNLVSDTRAAAAIDTGTTIAYFPTEIVDAVFSSSS
UniRef90_S4TAM1 UniRef90_G3J8T4 UniRef90_J3PC87	V A F G
UniRef90_V8NXW0 UniRef90_P78735	KVDVGNGTVCQDGCEÄII VDTTGTSLTTTGFTKECKELQKAIIG DGYKIIGSKS GGSIIQGIIADTGTTLLLLPDNVVISDYYGOVIS
UniRef90_G9MLM6 UniRef90_W6KTK3	GYSVGGAKLNRNSITGIADTGTTLLLLDDDDVVNAYYNNVE SSSLGSAVLSDTVTALLVDSGTSLIVVPRKSFDKIVVSTG
UniRef90_F8P7X6 UniRef90_E3QIU6	T V Q N T S I E I P T G S A Y G A I D T G T S L V V G P S A Q I Q A I Y A Q I P Q G F G V G N G S A T T A M P H Q A D T G T T L M L L P D A I V K A Y Y S N I A
UniRef90_F6TIG0 UniRef90_P09177 UniRef90_D0NFI6	DRELTTLHKIDIYIYCHKIGLLAPLRQLNASSGIRKIVQI RGGYFFWDSFDGAQAFTIDTGTNFFIFAEKVVKAALPDAT VNVGKHRNACADGCVAFVDSGTSLLGLPGTLYLNFLYFVA
UniRef90_UPI000455F74E UniRef90_Q9HF87	I Q G Q S I T P P T G S S A E A M I D S G T T L I Y G P T S T V A E V Y S N I P S A T V N G K T V A Q T G N Q A I A D T G T T L A L V S D E T C Q A I Y D A I P
UniRef90_N1J5F9 UniRef90_I2FZJ5	D R E L T T L H K L D L Y L Y C H K L G L L A P L R Q L N A S S G L R K I V Q L R G G Y F F W D S F D G A Q A F T I D T G T N F F I F A E K V V K A A L P D A T V N V G K H R N A C A D G C V A F V D S G T S L I G L P G T L Y L N F L Y E V A L Q G Q S L T P P T G S S A E A M L D S G T T L I Y G P T S T V A E V Y S N I P S A T V N G K T V A Q T G N Q A L A D T G T T L A L V S D E T C Q A L Y D A I P F Q V A D Q A P L D A P S G K A L A D T G T T L M L T S A A L V N A Y Y S Q V T Y W T I P M S A N I G N N P L A A L D T G T T L I G G P A S S I R A F Y S Q L S A V N V N G Q A T V T G V S A L I D T G T S L L T G P T S P L A N I Q S D L G P L T M N G E T L A C A E G C Q A L V D T G T S L L T G P T S P L A N I Q S D L G P G S S L A L S A S S S D N F A V M D T G T T L L L V P P Q A L K E L F A L V P R V G S D E S K Y V S R V W N A L A D T G T T L L L L T P T D L V N A Y Y A Q V N V T V G H H E N A C A R G C V A F V D S G T S L L G L P G T L Y L N F L Y E V A
UniRef90_S7QIV5 UniRef90_UPI00020ADB85	A VINIVIN G Q A TIVIT GIVIS A IL III ID T G T S IL V L G N T A N V A Q F Y A A II P IL T M N G E T II A C A E G C Q A L V D T G T S L L T G P T S P II A N II Q S D II G
UniRef90_G8JTG3 UniRef90_M5G6M6 UniRef90_G9NC88	F G S S I A L S A S S S D N F A V M D T G T T L L L V P P Q A L K E L F A L V P R V G S D F S K Y V S R V W N A L A D T G T T L L L V P P D L V N A V V A O V N
UniRef90_G9NC66 UniRef90_M4BLM8 UniRef90_M3INT6	VIT VĞHHENAÇARĞÇVÂFVDSĞTSLIĞI PĞTLYLNELYEVA SISIADSPSENAQADVLLDSGTTNTFLOSDIAQOLINKEN
UniRef90_F0VQB1 UniRef90_H3F0F5	IGDKKF <mark>CC</mark> DEGTNNYVI LDSGTSFNTMPSGELGKLLEMIP NGFSIGSY <u>SSN</u> TKAEVISDTGTS <u>WI</u> GAPAAAVQGIVKAT
UniRef90_F4REK6 UniRef90_Q750Y1	RV GS DE S K Y V S RV WN A A D I G I I L L L I P I D I V N A Y Y A Q V N V T V G H H E N A C A R G C V A F V D S G T S L I G I P G T L Y L N F L Y E V A S I S I A D S P S F N A Q A D V L L D S G T T N T F L Q S D I A Q Q I I N K F N I G D K K F C C D E G T N N Y V I L D S G T S F N T M P S G E L G K L L E M I P N G F S I G S Y S S N T K A E V I S D T G T S WI G A P A A A V Q G I V K A T A S I M V D G Q V V L R Q R T G I L D T G T T L I V A P P A D A Q A L H A H I P R D E D K V Q T L L G S K V P A L L D S G T T L T Y F P M Q L A D R L A R A A G S N V N G A Q G Y Q G S M I I D S G T T L I M G S T S S A R S W W S H V S D S Y K I G T G A A G K S I T G I A D T G T T L L L L D S S I V T G L Q E Y P
UniRef90_M5CAC2 UniRef90_Q01972	S N V N G A Q G Y Q G S M I I D S G T T L I M G S T S S A R S W W S H V S D S Y K L G T G A A G K S L T G L A D T G T T L L L L D S S L V T G L L Q E Y P

UniRef90_002728	250 260 270 280 G T M P Q G S M H Y V P C S A V N T L P S
UniRef90_H3E1R8 UniRef90_A0BIH6 UniRef90_UPI000440E872	GAKYDQSTGIYTIACGTKIADLQLVIGSQTYTLNYENII NVKSHCHEINTLPTITFKIDDVDYTLDPEEYIE GATEASQYGDGIYTIPCDFNTLSLTFGGQEFTVTFNLGKA
UniRef90_S8EG32 UniRef90_UPI000455DD1C	GSSSLGNGMYGFDCS DFPTVAVTWGDNTYDLSDAFNLG NSAPSWQGYYTYPCSTAVTVSISFGGPSWAVSPADFQLQQ
UniRef90_G0RYR0 UniRef90_UPI000455E3E3 UniRef90_S8E851	- G (J) A S S V G E G E Y P (,) N E P S A S V S A G
UniRef90_S8FS77 UniRef90_M5CGM4	GSSSLGSGAYGFS <mark>C</mark> D DFPTVEVTWGDNTYDISDTFNLG GSKPCCNGTGFYTYPCADPPSVSFTFSGRDFPISPADFNN
UniRef90_G0N395 UniRef90_M5G386 UniRef90_F8NIB3	G S R F D S O O M Y A Y P C N S N P T IVIA F T F A G S S N F Y T II IDII IR D F N II I
UniRef90_F6NIB3 UniRef90_J5K1S9 UniRef90_M7X1X0	S A E N D Q Q Q G G F V F D C A E T L P N F S F S V G G G N L T I P G I N Y A Q G K A V G G G G Q Y H V P C V S T F G S I G L S F G G Q T Y N I P L S D V F L
UniRef90_C7ZCV9 UniRef90_U7Q1X3 UniRef90_G2RCL3	G S R F D S R M N A Y T F R C S T S L P T F S F A V G G V T L T I P G T Y L N F G A Q N N Q Q A G G L T V P C N A N L P D L H L D V G G N M A T V T D L M F E Q G A K Y D P S Q G G Y T L P C S A P D F S F G V G N N G A R V T V P K Y A P T E
UniRef90_UPI000328FBDA UniRef90_D8Q0Q5	GAELIDDKYLLDCGTISSLPDLTFTLNGSHYPVPASAYVW GSAGSGDYEGYYTFPCDTEVNTALTFGGQDWSLSPDDFLG
UniRef90_M0SBC8 UniRef90_G0SGN4 UniRef90_R8BMA1	A NATOSPMLGGWVFPCGTYLPDLTLHIGTYKAVIPGELMVF SAONSARVGGVVFDCNFOLPSFTASIGGYSAVVPGDVLDF
UniRef90_W9VTP1 UniRef90_Q4S9Z7	SAQNSARVGGYVFDCNEQLPSFTASIGGYSAVVPGDVIDFGSSHNGERYVVPCSSSAN VYFTISGVKYSVSPKDYVGATWTQTNDVQPSPSRPETQEGESVCVSGAQYDWNHQAYTPCSSTATLPDLVFTLGGNSYNVRAVEYVVGAQPNEFGQGFYSFPCANLPDVSLTFGGHQFHLSADTFNL
UniRef90_O16339 UniRef90_UPI000441790A UniRef90_A8XDB9	A Q Y D WN H Q A Y T P C S S T A T L P D L V F T L G G N S Y N V R A V E Y V V V A Q P N E F G Q G F Y S F P C A N L P D V S L T F G G H Q F H L S A D T F N L A T F N O D F G S Y F V P C N L K T S P T L D L T L G S H V Y S L D A V N Y L L
UniRef90_P00799 UniRef90_Q2HCE4	ATFNQDFGSYFVPCNIKTSPTLDITIGSHVYSIDAVNYII ETQQGWVVPCASYQNSKSTISIVMQKSGSTIEISMLLPVD NATYDSTQGGYTLPCSGPVPDFAFGVGDKDITVPGDYITY SAKYDATNGGFVFNCKDTLPSFTVDMGKYQAVVPGDFMTI
UniRef90_A0A010RPL0 UniRef90_G0SAA2 UniRef90_F2PMM2	SAKYDATNGGFVFNCKDTI PSFTVDMGKYQAVVPGDFMTI NAVLTRDGYWL VPCGVTEFPSI DFYFAGKTI RVSFNDFI L HADKGSGFYTL PCSTKVD I KLSI GGVEYTI QPDDYI G
UniRef90_UPI000455D077 UniRef90_Q9HEZ3	GSTSWSGASGFYQYP <mark>C</mark> NTTVNVSLISFGGANWPIIDPSDFMF GSSNSATYGGYVFPCSATIIPKFTVVINGYKAVIAAQYINY
UniRef90_C9S7L8 UniRef90_U7PQA2 UniRef90_UPI00045609BD	
UniRef90_L8WWE5 UniRef90_W9YNM5	GAQSAPGSSGYYLFPCANLDIELTFGGRAFKMSTVDYPYGSAYCLPRDCYFTFPCANAPSVSFTFGGREFPVAAEDFNNAVDIGQGSYVVPCKFAGINGTISYSFGGVTIDVPVSQVVGANVSAQGTYELECNSTSTLPALTFTLGGRDFILQGTDYVVAQYDSSQGAAFVDCNLANKQSVDFNFSGVKISVPLNELVV
UniRef90_U6PKN5 UniRef90_M2SQ15 UniRef90_G2X1N1	A N V S A Q G T Y E E C N S T S T L P A L T F T L G G R D F I L Q G T D Y V V A Q Y D S S Q G A A F V D C N L A N K Q S V D F N F S G V K L S V P L N E L V V G A R F S P S W A A Y L F P C D A T L P D W T F G L G D Y R G K L P G R Y Y N Q
UniRef90_J4WF46 UniRef90_D4ANC3	A K K E T N G Q Y <u>L V D C G V V K T T G T L D F K F D N A T L R V P Y S D F L W</u> G A K N D Q Q Q G G W V F P C D A K L P D F T L S I S G Y N A V V P G K F M N Y
UniRef90_J4I1C0 UniRef90_R7YIC9 UniRef90_K7VNE7	G S R Y S N S R G G WI Y P S N A H L P E I S L A V G H T M Y R I N E V D Y S D A E Y S S E R G A A F V D C A A N S D A T I D F T F S G P T I R V P M N E L V I
UniRef90_K3WP14 UniRef90_T1I8P2	NYAQDQGCYCCFLCSPQDFPPMRIGVAGKHFVLEGEDYTLGAKLLYGLGFVDCNYINSLPSVTFAINGKDYILKGENYVQSIPVPFLPLRIVLCDDRNLPTLKFTSKNTTYTIEPKHYLL
UniRef90_Q7R9G3 UniRef90_UPI00023AD846 UniRef90_N1PP75	SAMPGGSEHYI SCFAVNTIL PSI I FTI NGI NY PVPA QAYI F
UniRef90_I7MK30 UniRef90_J3KDA9	KNIDCGSISQYPNVTINISGDDYVLEPVDYIV GSNKGDQYFTIPC DTNLSLEIEISGARWTVSPKDYVG ATFSFDYGGYVIPCSAYSAPTIMLGISGNDYEIPPDQYVS GTASSDSSSQGYTFPCDSLPDISVTIAGTDFAISSDTLNT GAQQDSNAGGYVFDCSTNLPDFSVSISGYTATVPGSLINY
UniRef90_A0A044UMJ9 UniRef90_UPI000455F9C7 UniRef90_P00798	ATFSFDYGGYVIPCSAYSAPTI MLGI SGNDYEI PPDQYVS GTASSDSSSQGYTFPCDSLPDLSVTI AGTDFAI SSDTLNT GAOODSNAGGYVFDCSTNLPDFSVSLSGYTATVPGSLNY
UniRef90_I1LAZ3 UniRef90_W5HKG4	A A
UniRef90_T1HPQ4 UniRef90_G7DVM9 UniRef90_S4TAM1	G LQAQSLGQGQYAIPCTSS ATFGISFGGTVFEINSADIVD A
UniRef90_G3J8T4 UniRef90_J3PC87	SAVKEPTGQYTVDCGVVALKTLDFKFGNATVSVPYSDFLW GATYDDWFASYSFPCNQSDWEFDLAGLRGKVPGRYFNYQN
UniRef90_V8NXW0 UniRef90_P78735 UniRef90_G9MLM6	AKPILIKGQYMLPCDKLSTLPTVSLVLGGQSYALTPDQYTI GAQQDSSAGGYVPCSAQLPDFTVTI GSYNAV VPGSLI NY SAQYDDSQGGVVFDCSFDLPSFSFGVGGTTILTI PGSLI NI
UniRef90_W6KTK3 UniRef90_F8P7X6	AKKNNGGLYTVDCEKVSVLPNIELEIGGTKWVFQGKDYII GSQPCVGLEGFYSYPCDTQVNVSISFGGPSWFINRYAYID
UniRef90_E3QIU6 UniRef90_F6TIG0 UniRef90_P09177	Q A K F D A T N G G F V F G C Q Q D I P S F T L D L G T Y K A V V P G E F I T V Q P Q T L I S C Y F V K C N Q K K R L P D I S F T F D G K T F T L Q A S D Y V L F S Q O G Y T V P C S K Y O D S K T T F S I V I O K S G V S V P I S K M I I P V
UniRef90_D0NFI6 UniRef90_UPI000455F74E	T F A Q N Q G C Y C C F L C A P E D F P P L R I G I G G N H F V L E G S D Y T L S A Q V I E S G Y WY Y Q Y P C S T N V N L T L S F G G A F W P I S S A D F Q A
UniRef90_Q9HF87 UniRef90_N1J5F9 UniRef90_I2FZJ5	GSIYDSEQQGYTFPSNTSADDLPVVTGGKQFAVQKEDFAD GAVNDAQVGGVTFP <mark>C</mark> NSDLPDLKVDVGGNYMAVINFAPVD GARSSAGMPGYYLFPCTTNIINI OILTEGGKSWPMNSODENV
UniRef90_S7QIV5 UniRef90_UPI00020ADB85	A SENSDGD WY VER DESTRICTED A TOUR STORM OF SET OF
UniRef90_G8JTG3 UniRef90_M5G6M6 UniRef90_G9NC88	A V J W N A K L J K K F L I P C S Q A N N I D L I Y N F G G V E I T S P L V N Y L S G S A P A Y E G Y Y Q Y P C D T N L T L S L T F A G N T R A W P I S P T D L Q S G S T M N D D V G M M V V P C T A K I P D F V F G I G K Y R G V I P Y M N Y G R
UniRef90_M4BLM8 UniRef90_M3INT6	T F A Q N R G C Y C C F L C T P Q D F P P L R I G V G N R H F V L E G A D Y T L A Q V T Y D A N G N A F Y L V D C N L P G P I E F T F D K G A K I V V P L Y T T
UniRef90_F0VQB1 UniRef90_H3F0F5 UniRef90_F4REK6	A QVT Y D A N G N A F Y L VD C N L P G P L E T F D K G A K I V V P L Y T T P Q E C D L E D P E F T K D F P T L T Y V I G G V K F P L T P E Q Y V R G A K F D F R N E L Y T V P C T G S Y P D M I F T L G G K A Y N I P S S E Y V L G A S S D G K G G F F I P C T S K A K V A L S F G G V P F E L N P V D L T F A R W H S E E V G Y I V D C N S R R L H Q Y I Y D F G G F Q I R S P L S D Y S M D A Q P C D V Q V C F Y T Y P C S S P P N V S F V F S G R E F S I S A A D F N D G S Q N S S S A G G Y I F P C S A T L P D F T V T I N G Y D A V V P G K Y I N F
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UniRef90_Q01972	G S Q N S S S A G G Y I F P C S A T L P D F T V T I N G Y D A V V P G K Y I N F

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UniRef90_M UniRef90_J9	9J0J7	VALKNYL DAQYYGEIAIGTPPQKFTVIFDTGSS PLQNIRN LLYWGTLKVGNPPVELKVDFDTGST	N L N M
	PI0004401D7A	T P S V T V T N K E Y WY S V A LQLGS P A QN F N V L LD T G S S	
UniRef90_B UniRef90_C	7ZF51	GPIPEPLKNYL DAQYYGEITLGTPPQSFRVVFDTGSSTGSAVTVPVQNDAEWLTPVQIGSPPKTFQMDFDTGSS	D L
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UniRef90_M UniRef90_M	17T5Q6	NGSAKATPESLDVEYLAPVSIGTPPQVFNLNIDSGSS	DL
UniRef90_G UniRef90_G	ORHF7 4TA66	VIALNXYXNAQYFGEIGVGTPPQKFTVIFDTGSSSADLMSQQTGYFYSIQLEIGTPPQAVSVNFDTGSSAIGTAGLANQNTDSTFYASVGFGTPLEQYNLILDTGSA	ËL
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UniRef90_M7T5Q6 UniRef90_B6TSQ9	GAKLNPQDEAFRFP <mark>C</mark> SSPLPDFTYGLEDARLKLPKHT <u>VV</u> D A
UniRef90_G0RHF7	SARLESTSGDYLVDCDLTPGRVNFKFGNVVVDVEYKDFLW
UniRef90_G4TA66 UniRef90_G4N837	GSFYFMYPCNSSVQVQFSFGSRLWTVGPRDFKLTEFSNGT AQYDSNEGAAYVPCSLARDQSLTFSFSGIPIVVPMNELVR AVTDPSGEAYLIPCSLSTANGTINYDGGVTLQVPVSQVVG
UniRef90_W9Y1M7 UniRef90_D9IV26	A Q N D G Q G S Y N I K C S L S T A N G T I N Y D G G V T I Q V P V S Q V V G A Q N D G Q G S Y N I K C S G N P D I V L T I G G N O Y A I K F H N Y I I
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UniRef90_UPI000455EF0B	(i S P (i I (i () W P (i F Y S Y P (i () I F () N I V A II S F (i (i P S W P V S P (i () F () F () F
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S D T F R V T S
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120

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UniRef90_B0D1Q5 UniRef90_K1XPJ0 UniRef90_UP100045E20A0 UniRef90_W9YFM8 UniRef90_M3IUB0 UniRef90_F4P9E4 UniRef90_M1WHH6 UniRef90_M023B1X7 UniRef90_W9YRU2 UniRef90_W5D6B1 UniRef90_U9SUP3 UniRef90_U9SUP3 UniRef90_U9SUP3 UniRef90_M4FRC5 UniRef90_V7PTX7 UniRef90_V7C8N8 UniRef90_A7EE89 UniRef90_G2XWI2 UniRef90_G2XWI2 UniRef90_R8BKX4	P S PL GL S V S GII M GL A F S A I A A I N S I P F W Q A L G S Q L A A P E M D GI L GL A F R S I N T V T P K A V S T P V E N M I T Q P D I P K G A E L C T D G I L G L G Y P S L A V G G V T P V F D N M M A Q N L V D L P M F S V Y M S S W S I L G I G F D G A E A S Q V K H N G F L D D L Y K Q G V I T S H S Y S I H L Q G I L G I G L N T N E A S S S V Y D N V P I T L K K Q G Y I S T N A Y S L Y L L I G L H Y S N D P A D V F S N L K N V F P Q N K V N F Y Y N R N V N S L E S N A P D L R T G F D S N K K P Y R L L L S T M A E E G V I A S R V Y S L D L Q F D G V F G L G W S S I S V G H L D V P I P A M K K Q G L I K D A V F A F H L G I G F E L G E A G F L M D G L Q Y P N V I G V L K N E G H I N T W A Y S L W L D G I L G L G F K E I S V E G S V P V W Y N M V A Q G L V N Q H V F S F W L N R D G I V G L A F P S L M L N P L F S F H L S R E F D G I L G L G G K K L S I S G L D P I V V E L K N Q N K I D Q A L F T F Y L L G L G F E L N E V Q V N R K P Y R N L P T K L V E Q G A I S S P A Y S L W L D G L G F G L G I S E D I K R K G L I Y D N I P R N S S R K N V F S I Y Y D G I L G L G F L N S V G Q V T P V W Y N M I E Q G H V T Q K I F S L W L N P N G L V G L A F S K L N T V K P A Q Q K T F F D N A M S Q G L A M P V F T A D L N F V Q V G G S K K A Y N N I P A O M S Q G L A M P V F T A D L N F V G V G G S K K A Y N N I P A O M S Q G L A M P V F T A D L N F V G V G G S K K A Y N N I P A O M S Q G L A M P V F T A D L N F V G V G G S C A M P V F T A D L N F V G V G G S C A M P V F T A D L N F V G V G G S C A M P V F T A D L N F V G V G G S C A M P V F T A D L N F V G C G S C A M P V F T A D L N F V G C G S C A M P V F T A D L N F V G C G S C A M P V F T A D L N F V G C G S C A M P V F T A D L N F V G C G C G C G C A M P V F T A D L N F V G C G C G C G C G C G C G C G C G C G
UniRef90_Q5CWT3 UniRef90_R8BVG6 UniRef90_K2RB15 UniRef90_Q8IKI0 UniRef90_B3MNC8 UniRef90_B7SP36 UniRef90_U5H8J0 UniRef90_Q22RW7 UniRef90_A1C4K0 UniRef90_G3JTP2 UniRef90_G2R6H0	DGLVGLGFKALNIVSPIKQNIFFDNVKSSLNSPLFIADLK DGMLGLAFDSLNTVTPVQQKTLFSSIMNQLPSKLFTAQLK DGLFGLGISD DKKKKQLIYDSIPKNILEKNMFAIYY DGLLGLGLEQIAIGGVTPPFNNMIAQGLVDQPLISLSTRN SGIFGFGFGSPWFERLMNQSIVSNPYFSMFLVRASDITTV DGLIGLAFPQLGDGAD TVVDYMKDQNLIPKKMFSFYM LAFPALEVSPVQYPNFPQALVQAGHIRSAAYSLWM GLLGAGPDLAGFDAAPYPLVVDSLARQGVINARAFSVDL GYGLIGLSPPLIGGTPPYSYVLDSMVQQKILASRAFSVDL
UniRef90_W5QBZ3 UniRef90_U6PWY9 UniRef90_M9ME95 UniRef90_UPl0002B4CE2F UniRef90_UPl000383C093 UniRef90_Q4UD05 UniRef90_GOSW58 UniRef90_A0A014P740 UniRef90_F4R6W3 UniRef90_C5MEJ8 UniRef90_W9YC50 UniRef90_E2AMQ1 UniRef90_J4G8U4 UniRef90_J4G8U4 UniRef90_V9D215 UniRef90_E4UVV5 UniRef90_E4UVV5 UniRef90_L2G9Y3	GLNYPNMSSSGAIPIFDKLKNEGAISEPVFAFYLDGVLGLGFAELLADVNPPIMEAFDQGVIEKPFFALWVAPHSGISGMAFPQLAAFGSSYLPYFYQLKQAGAVSSGKFQDGLGGFKEISVGDAVPVWYNMVDQNLVKEPVFSFWFNRAKGSVVMFGGVDKSDGLGGFKEISVGDAVPVWYNMVDQNLVKEPVFSFWFNRAKGSVVMFGGVDKSDGLGGFKEISVGDAVPVWYNMVDQNLVKEPVFSFWFNRAKGSVVMFGGVDKSDGLGGFKEISVGDAVPVWYNMVDQNLVKEPVFSFWFNRAKGSVVMFGGVDKSSDGLGGFKEISVGDAVPVWYNMVDQNLVKEPVFSFWFNRSGLGGVDKSSDGLMGLGWQPLAASGVTPFWQNLYQAPALPFPGFGVSLTRSGGLGGAYBSTAVSSTTPFFTTLTKADPQMGVIGTKFSKIGVVGYPELEAVKPKYVNLPFAMKEQNLIAKVAYSLYLGYVSNEVQVNRAGLDSYPNLPFAMKEQNLIAKVAYSLYLGYVSNEVQVNRAGLDSYPNLPEALVNAGKIASNAYSLWLDGILGLAYSYISDNNIIPVFDNMVNQNLVSSHIFSFYLNRDGLMGMSWPGISQLNADPYFFTAVSQHAVPQGEFGGLGFRKNLASLRNGEIDFRTVPEQLKAQGHIDRVAYSLYLDGLVGLKAQGHIDRVAYSLYLDGLVGLKAAGKIASLRNGEIDFRTVPEQLKAQGHIDRVAYSLYLDGLVGLKAAGKIASLRNGEIDFRTVPEQLKAQGHIDRVAYSLYLDGLVGLKAAGKIASLRNGEIDFRTVPEQLKAQGHIDRVAYSLYLDGLVGLKAAGKIASLRNGEIDFRTVPEQLKAAGGLIKSNAFSLYLDGLVGLKAAGKIASLRNGEIDFRTVPEQLKAAGGLIKSNAFSLYLDGLVGLKAAGKIASLRNGEIDFRTVPEQLKAAGGLIKSNAFSLYLDGLVGLKAAGKIASLRNGEIDFRTVPEQLKAAGGLIKSNAFSLYLDGLYRVNEVQU
UniRef90_B6D596 UniRef90_W6L781 UniRef90_F4S0D4 UniRef90_E5A0D4 UniRef90_M5G6A2 UniRef90_C9SPF7 UniRef90_G4TIV4	I Y D G V L G L N Y P C I S F S G A I P I F D K L K N Q R A L A E P V F A L Y R I W D G V V G M A F A S L A S Y D I K P T L F S L A D N N N D L A K Q F A F Y L S G I M G M G F K L Q A S T G V T P F W Q S A K I S T F A L G I T R F I N I T S Y T A N E V A V G R A G L D P Y P N L P Q K L V D D N T I N S N A Y S L W L G I G P V D L T D S T V S S Q P V P T V T D N L Y Q Q G T I Q T E M I G I Y Q G I L G V G Y P M N E V Q V G R A G M D P Y D M K A Q G L I Q S N A F S L Y L G L G L G F R G R A S S G A I P W W Q Q W S A P Q M S F Y L T R S R H G P Y A

170 180 UniRef90_G0S1M2 N D R R T D S G N L L F G G V D L D K F I G Q L Q UniRef90_W4K717 S F K L A H D N S E L F L G G I N S Q L V K G P L	190 200 V
UniRef90_W4K717 SFKLAHDNSELFLGGINSQLVKGPL UniRef90_M5WT67 NTEGEEGGEIVFGGVDSNHYKGEHT UniRef90_T5AlR3 AADGSNKGEIKFGSTNPDKFTGDIT UniRef90_K7FJZ5 QEGTQDGGELVFGGTDSNLYTGQIV UniRef90_K5X0Q6 SGIDQTSQTDVRFGGVFTLGGTNSS	WIPVIQDAYWQ LFSGDIEFLDLVGEP
UniRef90_G4UTQ3 PVN E G Q I T F G G V D P S K Y T G D I T T G D I T T G G I D R N K F I G A L E I UniRef90_J3P7R9 R H S D D Q Y G A V I Y G G L D R N K F I G A L E I G G V D T E K F Q P P L Y G G I D R N K F I G K N W I D L Q A T T G N I L F G G V D T E K F Q P P L Y G G I D R N K F I G K N W I G G I D R N K F I G A L E I	K R P
UniRef90_C7YWN9 N D L D A S S G N I L F G G V D T A K F T G N L T UniRef90_T5ANS6 N D I D A R D G T I L F G G V D K A R F E G Q L V UniRef90_F0WKS3 F G M Y T F W R I A F I T V Q V G G H D S S Q D G UniRef90_S8A9X8 T G T N D G A L N F G K L D P S F L K G G D A I	RINVQPIQGHYLHFS SLPLQKVGDQFAEFY VNI <mark>C</mark> AVGMDIDDVDN NSLTFSDNISADGLW
UniRef90_S8A9X8 UniRef90_M0QW02 UniRef90_I2FZE7 UniRef90_F0XKE1 UniRef90_W6QKN3 UniRef90_W6QKN3 UniRef90_G7XIK7	WV PI Q A G D R S V H M D C N P L I E E L Y W M V R L G G Y V N V D T Y P G Y W R F T S Q D T V K A A E A E I Y Y T P T L P I I P V Y G K Y Y S L A
UNIKET9U_K4X/E2 WSYNGGGGAWIFGGIDISVIKGALIN	FPVVRFHVWMIPMD
UniRef90_W5GWT6 UniRef90_S8ASD7 UniRef90_W9Z2M8 UniRef90_W9Z2M8 UniRef90_K5W6S4 UniRef90_B2B1F7 K G G F G G F C T G G G D P K H H K E E H K Y D E P D H G E S F Y T F G Y I H G C T N S S C F T G N I E I G C T N S S C F T G N I E I G C T N S S C F T G N I E I G C T N S S C F T G D C T N K F G D C T N K T N T N T N T N T N T N T N T N T	QPTLDYCFWQFKSSS TPIDNSDGFWKFSSP FLNLTATDSISDATF KLPIVPAAQSPDGYT
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UniRef90_G0VCV9 NDPEETIGNILFGAVDHSLIYSGQLLY UniRef90_H3E409 PVLSPKGGVYTYGAVDTENCASQYT, UniRef90_O9FRW6 DPKAKIGGELVFGGLDFKHFVGFHU	I I PL V NI Y S G S G F K N A Y L P L S S A T Y Y Q Y R L Y V P L T R K G Y W O F F M G
	F G T P T F WL L T M P A L T T P V D S S D G F W T V S S G W V P V T K Q G Y W Q L A D N S L P L V P Y S D S V P R L Q
UniRef90_UPI00045E20A0	WMPI VTTESHWAVAF KRPI VKGI KGEYRVS LASKOV WTIRLERMQ
UniRef90_W5D6B1 NANNGDGGEIVFGGSDPKHYKGSHT	Y T R V T R K A Y W Q F E M Y H P V I D K Y Y W M I K A E
UniRef90_U9SUP3 VSNFNDQGTLTIGGVDNSKFKGKIT UniRef90_O60990 PVHDKHSGYLTILGGIEKFYEGELT UniRef90_M4FRC5 NDVAATTGNILFGGVDTEKFYEGELT UniRef90_V7PTX7 PKSVDDNGAITFGGYDKKYLEPNSN UniRef90_V7C8N8 DPMSKIGGELVFGGIDWKHFKGDHT UniRef90_A7EE89 RKASAGSYEFGNIDSSKFNGSLSWAA	I D W F V V S S K K Y W I I K Y V P H K D Y W Q I D V G D I
UniRef90_G2XWI2	T L P I E K E S G Y Y A E F L Y T S V S S G S N G D W A V P S N P V V S Q N D I D I N V N
UniRef90_Q5CWT3 SRDSSTPGSISFGAADPKYTISGQK UniRef90_R8BVG6 HQAAGTYD FGYIDSAKYTGTIT UniRef90_K2RB15 HQAAGTYD FGYIDSAKYTGTIT UniRef90_Q8IKI0 PKNVDDDGAITFGGYDKKFIRENSS UniRef90_B3MNC8 ASDPSNGGKLLLGGSDPTLYSGCLT UniRef90_B7SP36 VFGGIDEAHYKGDIT	Y V V N T S P G Y WT WT S S Y N V D T S N G W W Q T S F Q I E W F D V T S S K Y W A I Q
UniRef90_U5H8J0	W S
UniRef90_G3J1P2 R SIVID S A R G A V I I F G G A D I K K F A G I L I I I UniRef90_G2R6H0 Q A A G D K S G SI V I F G G V D T K K F I G A L A I I I I I I I I I I I I I I I I I	K CPI V V P G P D G D V R Y K V P I V T R P A T P T G L D W V P I O A G D W M V H M D S
UniRef90_M9ME95 FDLRTSGSSLFLGGTNSAKYSSTPV) UniRef90_UPI0002B4CE2F NADEEQGGEIVFGGVDPDHYKGEHT	MDB
UniRef90_Q4UD05 UniRef90_G0SW58 UniRef90_A0A014P740 UniRef90_F4R6W3 UniRef90_C5MEJ8 UniRef90_C5MEJ8	
UniRef90_W9YC50	T
UniRef90_V9D215 DSSDDNRGSLLFGGIDPTRYTGELV UniRef90_E4UVV5 KGKMGSYEF GAIDRAKYYGDLI UniRef90_L2G9Y3 NDLQASTGNILFGGVDTDHYEGELK UniRef90_B6D596 SKHEAGGSVVMFGGAYRYYEGELK UniRef90_W6L781 PKRSGFYGELVLGGYNPNYFKGKLV UniRef90_F4S0D4 SKESEPGGLLTLGGVNQSLYTGKIN	K V P V I N E N G F W E I P <mark>C</mark> T I P I Q K Q G S A Y S E F L W V P L I E A G Y W I V L I H P V A L T S N T H W A V D I T
UniRef90_B560D4	YIPLESQSYWQIAMD TLPIIPEEGEYTGMG YTPITSTSPASNYWG TLPIQMHADIHSEFL FINLYHDRYWAIPMT

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UniRef90_G0S1M2 UniRef90_W4K717	210 220 230 240 E [A F D G V S L Y T N G T T D D S G T T F S Y L P D P M T R P Y S A L G D S L T V D N T E V V T S [E V 1 D T G S T S 1 G D P D N V A A V Y S S A
UniRef90_M5WT67 UniRef90_T5AIR3	DIGGETSGF <mark>C</mark> ASG <mark>C</mark> SAI ADSGTSLLAGPTTVITQINHAI G DDLAFDGKKAEGGLTSFLDTGTSFVFGPMDKVSKLHSLIP
UniRef90_K7FJZ5 UniRef90_K5X0Q6	
UniRef90_G4UTQ3	A F WD Q N F L T E S G S L S A I D T G T S L I G G L S A D V A R I WN A V P L D G F G F G G K K V T F Q T T Y I D T G T S F A F G P P A D V T A L H K L I P M S S S S S F A V N K S D A N V M L D S G T T I T R M H S T V A V P I L R A L N
UniRef90_E9EUS9 UniRef90_J3P7R9	I I LI SVQYKSGEALQAMGDSGSSLIYLPDAVVQRIIYQAVG
UniRef90_UPI0003C17D7B UniRef90_C7YWN9	D
UniRef90_T5ANS6 UniRef90_F0WKS3	VT MT GLSVGNTNMADNMADSGSSFTYLPNALTQSI YQSLN QERLGSPDNHPTECLGFVDTGTSLLGVPSEQYLALLYQI A
UniRef90_S8A9X8 UniRef90_M0QW02	VT MT GLSVGNTNMADNMADSGSSFTYLPNALTQSI YQSLNQERLGSPDNHPTECIGFVDTGTSLLGVPSEQYLALLYQIAEINLEDMTVNGSPSTAIIDTGTTLMI VPQQDAVTIHAALHISLERKVIACSGCKAFVDTGAAFIEGPRKLVDN MQLIGTRDSDVNLNSLTRAAIDTGTTLIGGPDSVVQSLYAQIP
UniRef90_I2FZE7 UniRef90_F0XKE1	SGYSLGSTTFKTTAVGIADTGTTLLYLPLSLVEAYYAKVS
UniRef90_W6QKN3 UniRef90_G7XIK7	SGYSIGSTTFKTTAVGIADTGTTLLYLPLSIVEAYYAKVS VDNSQGFWMFDSGNKALADTGTTLALVDDETCQAIYDAIP LALTELSVATDSNSSSFTDTGTTLTALPSDLVNKVYDALN
UniRef90_R4X7E2 UniRef90_L1LCG3	S V S I G S V F S S T A Q P S V I V D S G T T L I L L N P Q L V A Q I H A Y L P L Y I G Q H K V C C D E P S Y V V F D S G T S L N S V P S K D Y R V F M D H L P
UniRef90_W5GWT6 UniRef90_S8ASD7	D V
UniRef90_W9Z2M8 UniRef90_K5W6S4	SVSI GSVFSSTAQPSVI VDSGTTL I L NPQL VAQI HAYLP I YI GQHKVCCDEPSYVVFDSGTSL L VGPTAI I TQI NEKI G DVLI GGKSTCTSRCAAI ADSGTSL L VGPTAI I TQI NEKI G I SI NGKTKKRPSSNI SI ADTGTTL VL L DDASCDAI YKTI P SVVI NGQTFNLPNNQAI ADTGTTL ML VPDSVVDQI YATI P WL LELSSVTVNQQSVSI I DTGTTL I GPSDSVVDQI YATI P
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UniRef90_G8BKB2 UniRef90_E6R4Z5	
UniRef90_T5Al37 UniRef90_T0L0F8	R F WVY DVY D K P N G Q A V L L D S G Y T V S A L P S A I F D K MVA A F P D G I A Y D G Q K S G A A G K A Y I D T G T S Y V F G P Q T D V A A F H A N I P A V E F D V T T V S T T P L I A L L D S G T T L T Y F P T Q Y V S L L A A Q L G
UniRef90_G0VCV9 UniRef90_H3E409	A V E F D V T T V S T T P T A L L D S G T T L T Y F P T Q Y V S L L A A Q L G D A A Y I G T Y R N Q K G W Q A I T D T G S S L I G V P P D M L E Y V A R S V F
UniRef90_Q9FRW6 UniRef90_G0SZ30	N F G N Y S T G F C R G G C D A L V D S G T S L L A G P M H V V T E V N H A L G G I E T N G K I V P G T A T R A A L D S G T T L L Q L P P S A A D A F Y S S L P
UniRef90_B6QV65 UniRef90_E9ELK6	AVERDAL OF POLITION OF THE CONTROL O
UniRef90_G3N0B4 UniRef90_B0D1Q5	VOGRSVOITTGNAAPVVIDTGTTVIGGPTADVNAIWAAVP
UniRef90_K1XPJ0 UniRef90_UPI00045E20A0	STILVINDTIVVITKGGKTAILLIDTGSPILITILVISDIVVI <mark>C</mark> QAILIYGSILIF
UniRef90_W9YFM8 UniRef90_M3IUB0	I QVGGTVMFCSEGCQAI VDTGTSLITGPSDKIKQLQNAI GVTWTSLSLTDASDTPVI LDTGSTTAI LPVDIFNELASFFGNSVTVGSKTVNINAGLLLDSGTTLTYLQSSVVSSI ASAI G
UniRef90_F4P9E4 UniRef90_M1WHH6	DSVTINGRTTSSKISALEDTGTSLIYLNQPIENAVNSAMG TTTSSSVKVQGRDSNEMLDSGTTITRMRSSVALPILQALG
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UniRef90_W5D6B1 UniRef90_A0CUK4	NINGODOGE <mark>C</mark> PKG <mark>C</mark> KVVADTGTSILITGPYDDIMKILID
UniRef90_U9SUP3 UniRef90_O60990	LAFWLINVDDASVNKKI I DTGTSTI I LPDNDAAEL HSQIPVNFGKTSMEKANV I VDSGTSTI TAPTSFI NKFFKDLNAGQSAQVMGDNMALAVLLDSGSSLTYLPDDMVQRIYKAVGMTGLKCSGNLEGYCDAVI DTGTSSI AGPKNDLI LLTKLLN
UniRef90_M4FRC5 UniRef90_V7PTX7	AGQSAQVMGDNMALAVLLDSGSSLTYLPDDMVQRIYKAVG MTGIKCSGNIEGYCDAVIDTGTSSIAGPKNDLILLTKLLN
UniRef90_V7C8N8 UniRef90_A7EE89	FTVGGGGAATAVPNGQAIIADTGTTII MII ADPNII VNGYYSKVQ
UniRef90_G2XWI2	I T L T E V M L G D T V I A Q D Q A D S G S S L T Y L P D A M A E A I Y E Q V E
UniRef90_G3B7Y0 UniRef90_Q5CWT3	SVTTNGQTIDIG SNYVLDSGTTINYLDPTVLANLASALG
UniRef90_R8BVG6 UniRef90_K2RB15	GYAVGSASFTSTSITGIADTGTTLLYLPTTIVKAYYAQVS GYSIGSGSAVAQTFSGVVDTGTTLMVLPSNVVSDYYDGVV
UniRef90_Q8IKI0 UniRef90_B3MNC8	MFLDVCSKNHEGFCQAVIDTGTSSIAGPKEDLILLSRLLN SFSLGCNKVICSKFEAIIDAGTSLIVVPSCALKKIILGIK
UniRef90_B7SP36 UniRef90_U5H8J0	VIS VADKATF CEGGCAAVADT GT SML VAP SEDVKKI N KL L G GIALNGTVITGTEMNASFDSGTTLIQIPVAAAOAMYAFIG
UniRef90_Q22RW7 UniRef90_A1C4K0	GGHKTSLCSREYPCPLAIDSGTSIIAGPSDQCDFLTDLIL PETHAVAYTDGFPLLVALDSGASVTYLPOSFTDRLYADIG
UniRef90_G3JTP2 UniRef90_G2R6H0	SVTTNGQTIDIG SNYVLDSGTTINYLDPTVLANLASALG KDIKINNYCFGDCKAALDTGSSVSTAPSSFMRKLTKVIP GYAVGSASFTSTSLTGIADTGTTLLYLPTTIVKAYYAQVS GYSLGSGSAVAQTFSGVVDTGTTLLWLPTTIVKAYYAQVS GYSLGSGSAVAQTFSGVVDTGTTLMVLPSNVVSDYYDGVV MFLDVCSKNHEGFCQAVIDTGTSSLIAGPKEDLLLLSRLLN SFSLGCNKVICSKFEAIIDAGTSSLIVVPSCALKKIILGIK VISVADKATFCEGGCAAVADTGTSMLVAPSEDVKKLINKLLG GIALNGTVITGTEMNASFDSGTTLIQIPVAAAQAMYAEIG GGHALNGTVITGTEMNASFDSGTTLIQIPVAAAQAMYAEIG GGHALNGTVITGTEMNASFDSGTTLIQIPVAAAQAMYAEIG GGHALNGTVITGTEMNASFDSGTTLIQIPVAAAQAMYADLG WITMDGLTVNAPDGTIFPDTGATLGHLPAAIVDAVATGFP GYWVQSHTSSIAPNPVLLDSGTSTTITLPAAAIVDAVATGFP GYWVQSHTSSIAPNPVLLDSGTTTITLPAAAIVDAVATGFP GYWVQSHTSSIAPNPVLLDSGTTTITLAGHLPAAIVDNIRKLIG ESVSMEKFVRDETHPAFSEMVPWIEG PEYVVEILAKLAG DINGSTTGFCSGGCSAIADSGTSLLAGPTTITTQVNHAIG ESVSMEKFVRDETHPAFSEMVPWIEG PEYVVEILAKLAG DINGSTTGFCSGGCSAIADSGTSLLAGPTTITTQVNHAIG ESVSMEKKVIACSGCCKALVDTGTTLIQGPKDVVQALFNKLG DINGSTTGFCSGGCSAIADSGTSLLAGPTTITTQVNHAIG EVVDGEPVVFDRKYNAAIDTGSSLLAGPRTVIIPLLEKKITT
UniRef90_W5QBZ3 UniRef90_U6PWY9	I S M R R K V I A C S G G C E A V V D T G V S V I K G P R T L V D N I R K L I G E S V S M E K F V R D E T H P A F S E M V P W I E G P E Y V V E I L A K I A
UniRef90_M9ME95 UniRef90_UPI0002B4CE2F	SVN SIGIESI VDTGTTI I VAPTSQAQALIFNKLIG DINGSTTGFCSGGCSAI ADSGTSLLAGPTTI I TQVNHAI I G
UniRef90_UPI000383C093 UniRef90_Q4UD05	ISMKRKI I VCSSCCKAL VDTRTSLI LIGPRRL VNNI QKLSG EVVDGEPVVFDRKYNAAI DTGSSLI SGPSDVI I PLLIFKI T
UniRef90_G0SW58 UniRef90_A0A014P740	TNVTSWTMEQEQGQFVAIDTGTTLIGGPKDVVQAIVAQVE GYQVGSGSFEKLSITGTADTGSTAVVIPNRVSDAYWSGVK
UniRef90_F4R6W3 UniRef90_C5MEJ8	DVEFEGATINGRPTIDATIDTGTSTIAVPQADARTTYASIP
UniRef90_W9YC50 UniRef90_E2AMQ1	GYQVGSGSFEKLSITGTADTGSTAVYLPNRVSDAYWSGVKDVEFEGATLNGRPTLATIDTGSTAVYLPNRVSDAYWSGVKDVEFEGATLNGRPTLATIDTGTSIIAVPQADARTIYASIPIPLTAVVSSLNNYTGAYDDSGTTYSYLPREQVEAIVSLFGLAGTNLSSSSALPAAVLLDSGATLTYLPDDIAEEIYNQVSKIEVNNISLCQSSCQAIADTGMGETYGPTSDVKTINELIATALVNGQPVVFGFETLIDSGTTLMYGPPDAVDQVYQSVD
UniRef90_J4G8U4 UniRef90_V9D215	ATAL VNGQPVVFGFETI TDSGTTLMYGPPDAVDQVYQSVD RVALTQMSI HDGNSTRAIDSGTTI SNIPQDV I NIV I TEGILG
UniRef90_E4UVV5 UniRef90_L2G9Y3	SLYDKĪQTI KNNTGTAĪLDTĞTTL VLDĒE VRĀYYĀQVP
UniRef90_B6D596 UniRef90_W6L781	PFSIERYI ITCSDGRKALVDTGTSDI VGPRRLANYI HRFI SAKI GKTI SNNKMTALI IDSGTSALI APVVNA FNKI V KIT
UniRef90_F4S0D4 UniRef90_E5A0D4	A T A L VN G Q P V V F G F E T I
UniRef90_E5A0D4 UniRef90_M5G6A2 UniRef90_C9SPF7	IDQTISYGGQQISSAGIVDTGTTLVLIASDAFQAYMQAIP
UniRef90_G4TIV4	I VNNKDIQVDSGNQVAVINTDMKFIGGPSSVLDQFYSLIP

	250 260 270 280
UniRef90_G0S1M2 UniRef90_W4K717	A
UniRef90_M5WT67 UniRef90_T5AIR3	A GAKSATGQTFT <mark>VPC</mark> DTEKALTFTFSGVDYKVYPKDWISPK
UniRef90_K7FJZ5 UniRef90_K5X0Q6 UniRef90_G4UTQ3	GAEVGLQAPGFYVYP <mark>C</mark> DTELQVSLSFGGKSWNIDPEDMND GSTTVDEVTW <u>YVPC</u> SDSP IEVTFSGVT <u>Y</u> KIS <u>A</u> KDW <u>QA</u>
UniRef90_E9EUS9	A T D D G E G Y Y O V P C S A K T S R G S V D E G E G S K T R V P K D E
UniRef90_J3P7R9 UniRef90_UPI0003C17D7B UniRef90_C7YWN9	A Q F D S N E G A T YVP C S L A D D R T R ML N F S P V T I S V P M S E L V R V R P F G S L Q H T V P C N I T S T L P P L I F T I K G I D Y P V P A Q A Y L Y G N F T F G F A G P D G P R I T V A M D E L V I D L N D G Q Q T P T F E S G A F
UniRef90_C7 TWN9 UniRef90_T5ANS6 UniRef90_F0WKS3	AREEORDGIVIA VIVI <mark>P C</mark> SODSNII ITEREIVI IDPADII IPSGRPII ITEG
UniRef90_S8A9X8 UniRef90_M0QW02	AFAQARG <mark>CYCCFLC</mark> SGKDFPSIQFRVAGSQFSLDGPDYTL GASQTNQAGTFTLPC DTTSTLQVKFGGQTLDISHLDYVS GPMPPGSKHYVSCSAVNTLPSIJFTLNGINYPVPGRAYIJ
UniRef90_I2FZE7 UniRef90_F0XKE1	GSQSQGNGYYSFPCRTSVGAT MTFNGIQYSIPDSDFLK GAADNSNYGGYVFSCSATLPTFTFGVGSLKITIPAKYMNY
UniRef90_W6QKN3 UniRef90_G7XIK7	GAEYDNESQGWIFPSNNKLPVISFAVGDTQFVVQKEDFAE ATYDKTYDMAYLDCDAESDYNVTYSFSGATVTVSMSELLI
UniRef90_R4X7E2 UniRef90_L1LCG3	G G R V P K S G T H Y Q I F C N A S T R N A Y F K L N G V Q Y G V S A A D L A W Y G V C S K N I S D D L T I T Y V L N G Q E I K L T P E Q Y M L
UniRef90_W5GWT6 UniRef90_S8ASD7	A P G F S Q E <mark>C</mark> G A Q Y A E P G Y Y P A S V T P V V K D V G G K S F A Q K E D F A D
UniRef90_W9Z2M8 UniRef90_K5W6S4	G A E Y S E D A M G W <u>V</u> Y P <u>V</u> D T N <u>L P</u> T V S F A <u>V </u> G N K Q <u>I </u>
UniRef90_B2B1F7 UniRef90_E9EZU7	S A T A N A D G T L V V D C P T E G E G S V N F N F D G K D I S V P F G D F V S G A R V N A Q D G S V V F P C N A K L P D L D V D I G G V K V A G S D M V F A D G L S E S G S A S C D Q L S L D N N Q L T L N F A G V S L T I P Y K S L F Y Q F
UniRef90_G8BKB2 UniRef90_E6R4Z5	GORMSGSYSSYYEY <mark>PC</mark> NIIIVIDEEIIIEGGYIIIKIIIDODENM
UniRef90_T5Al37 UniRef90_T0L0F8 UniRef90_G0VCV9	EAKPPPPGTNLYEVP <mark>C</mark> KTGKTVDFKFGKTIINVPFDDFIW GSSSEDGTTFKVPCDSNKDVTYTFSGTSYVISAKDWRGSQ AQYSSSNGYYTISCDAMQDTTLVFDFGGFHLNATLADFVV
UniRef90_G0VCV9 UniRef90_H3E409 UniRef90_Q9FRW6	ATTOPTSGLYLVEDS AMQUITELVLGGKEYDVKSDNLKF AEGLASMECKEVVYQYGDMLW
UniRef90_G0SZ30 UniRef90_B6QV65	GAQNTTSSGILIYILLIP <mark>C</mark> TTTFSSILISILVIFNGTRYFILIPPQDILLIS
UniRef90_E9ELK6 UniRef90_G3N0B4	VVYCSMMNENINITYTFTSPSIPVGISELVVEDGSGLTFNGASAPPEGYRVPCDVGSKNGSVNFKFGKTEIVVPYDDFIWGSTPRGSEYYLSCSAVNTLPSIJFTINGINYPVPARAYLL
UniRef90_B0D1Q5 UniRef90_K1XPJ0	GSAPFVSYPGFFTFP <mark>C</mark> STSLQVTLSFGGKAWPISEADMNA GAVYDPQDQGWVFPSLTTLPTVSVALGDKQFTLNKEDFAT
UniRef90_UPI00045E20A0 UniRef90_W9YFM8	A VHQADNGVYTVPCOVPEGYETEGEGAGPATIOVPESONAV
UniRef90_M3IUB0 UniRef90_F4P9E4	N G
UniRef90_M1WHH6 UniRef90_A0A023B1X7	AQDDGEGFFQVSCSLRTSSGSVDFGFGSKTIRVPLKDFVL AYPWVSSLRFVSCDKKVDLPNLDFLINNTSFSLTPDDYLI
UniRef90_W9YRU2 UniRef90_W5D6B1	VLT DPSYGNVVPCSLADDDLTFSFQFGGQSGPLVNQPTFR
UniRef90_A0CUK4 UniRef90_U9SUP3 UniRef90_O60990	LTNINDNCSNAKELPTLTFRIDGVNYDLEAKDYIM GATLDTKSGMFIIPC NTTSAVAFKFGGVNFEINPKDLIC VIKVPFLPFYLTTCNNKDMPTLEFKSANNTYTLEPEYYMD
UniRef90_UniRef90_M4FRC5 UniRef90_V7PTX7	AQFDSNEGAAYVP <mark>C</mark> SLADDRTRMLNFSPATLTVPMSEMVR PVKS <mark>C</mark> QNKT <u>LLKN</u> FSFVFS DENGVEKEYELTSNDYLP
UniRef90_V7C8N8 UniRef90_A7EE89	A E G Y V S Y E C K NI V H N Y G A V N D Q S V G G V T F P C S A K L P D L A V D V G G N Y M A V V R G D D L N
UniRef90_G2XWI2 UniRef90_R8BKX4	A OYD A S F G A A Y V P C S L A T N P T L O V T M N F L V L P V T S T T G O O
UniRef90_G3B7Y0 UniRef90_Q5CWT3	DASSSDGITFTAPCDTDKPITVTFSGVKYTMSRKDWLSAPAKYSSSGFYYFDSASDAKDLSVNFDGVSVTIPASYTVGAFMEGECNRYRLTYVLEDLHGNELEMHMDPQDYVIDFSYYWG
UniRef90_R8BVG6 UniRef90_K2RB15	G S S N S N T Y G G Y F P C S R T P S F T F G V S S A R T P G T Y L N Y N A T Y S S D Y A A W Y P C T A T P N F N L V N G A V A T V P M T Y G P
UniRef90_Q8IKI0 UniRef90_B3MNC8	PGKFCQKRILLIKNF SFIJFII DDKRREREYELITPKDYII P SSDKRDGVYTII NCNKVSSIJPDII TUNI GRKDETII KPSDYII I
UniRef90_B7SP36 UniRef90_U5H8J0	GIVID S G L G D G L Y NILIPIC D A PILIG SILIA FIVIFIK GIVIQ Y EILIPIPE DIL LIR
UniRef90_Q22RW7 UniRef90_A1C4K0 UniRef90_G3JTP2	<u> </u>
UniRef90_G371P2 UniRef90_G2R6H0 UniRef90_W5QBZ3	GASFDARRNQHTVPCAKENKTVDFKFGAAVVKVSFGDFIWGAQYDPGSRTFDCANAGAPGTVDFTFGGKVIRVPYSELIWATPWGSKHYVSCF VDLPSIIFTINGLNYPVPARAYIL
UniRef90_U6PWY9 UniRef90_M9ME95	GAKYNDDEEKYEIPCDÄKPPAIRFMIGDNEYPVNYTNYII LPTFTQDGSTYAYYNCNSPPTVTFKYGSYTKSLSTTSFGT
UniRef90_UPI0002B4CE2F UniRef90_UPI000383C093	A A MP O P R X G H Y V S C F V D N T I P S I L F T I N G I N Y P V P A O A S I L
UniRef90_Q4UD05 UniRef90_G0SW58	VEEDCSNLDKLPRLSFV FRDVMGRKVKFDLDPEDYVLKDGAKYYSYPCRQNVTVGLTFGNVTYNMSTADFNLGPFGIDSGVTTQGGFKAYNFPCDAKLPDFTFGLEDAKFTLPGEFINY
UniRef90_A0A014P740 UniRef90_F4R6W3	
UniRef90_C5MEJ8 UniRef90_W9YC50	NVT Y NE QY E MP C WV G N D GN Y L E F N N E QY I QV P T S E FV I A V Y S S S V A A A Y A D C S A S S N A T L D F T F S G Q T L K V P Y D E L F L G T T N I D G M E R V N C S R I P E L P T I R F I L G G K A F N L T G K D Y I I G A V S L G N G N Y V V P C D S F P A L A F S W G G K A F D I N P K V L N L G Q A T L D E D T A T R Y V P C S Y Q S N A S L V Y T F G G L D G V L G D E S M Y S G A R Y D P S R F G W V Y P C N S P M P S L F L G V G S D H M A I I P S S L L T A N S G N M T F T F S D P V I T V P M N E L V L D L G A V Y P V S G R G D I L G S I V F S F N G I Y Y P V S G
UniRef90_E2AMQ1 UniRef90_J4G8U4	GTTNIDGMERVINCSRIPELPTIRFILGGKAFNLTGKDYII GAVSLGNGNYVVPCDSFPALAFSWGGKAFDINPKVLNLGQ
UniRef90_V9D215 UniRef90_E4UVV5	GARYOPER GWYYPUSY QSNASL VIY I F GGLDGV L GDESMYS
UniRef90_L2G9Y3 UniRef90_B6D596 UniRef90_W6L781	GAVPWGSAYYVSSCAVYTLGSLVFSFNGLYYPVSGRGDLL
UniRef90_W6L781 UniRef90_F4S0D4 UniRef90_E5A0D4	DATRUKFDYI VNCNNVPSLPNLELEI GGKQWIFTSMDYI I GSQPKGIYRGYYQFPCSSLPTLSLTFGGISYSISPDDFI D AQFDAQQGAAFVSCDLANQQSLDFVFSGITISVPINELVI GSKVDQNSGEVPANQVATLQPLAFNI GGTTFKFTGTDQNA AVYQEEQFVPCALRQSPANMTFTFSKPKITVPISRQPTFS
UniRef90_E5A0D4 UniRef90_M5G6A2 UniRef90_C9SPF7	GSKVDQNSGEVPANQVATLQPLAFNIGGTTFKFTGTDQNA
UniRef90_G4TIV4	GARPGSQNDYI I PCNTSVQATLTFGDQAYTMQASDLIGGK

UniDefO0 COSAMO	290 300 310 320 S T A A S V K D S N F T L G D T F L R S A Y V V D L T H Q I G L
UniRef90_G0S1M2 UniRef90_W4K717 UniRef90_M5WT67	GPSSTCIGGIASNSNQFWILGDVFLQNVYTVFDSSPKIGF
UniRef90_T5AIR3 UniRef90_K7FJZ5	N A A G E C T S N V Y G H D V G S WL I G D T F L M N V Y T V F D K D K R I G F
UniRef90_K5X0Q6 UniRef90_G4UTQ3	LA GELCLGGIFGAGNPGWVIGDVFLKNVYSVFRAEPSIGFGSGTSCRSNIYGREVNGWLLGDVFLKNVYSVFDVDKRIGF
UniRef90_E9EUS9 UniRef90_J3P7R9	D G S S D T
UniRef90_UPI0003C17D7B UniRef90_C7YWN9	E S S Q G L
UniRef90_T5ANS6 UniRef90_F0WKS3	CII IDILIT CIVIAIL LIQPNGQEMWIVLIGDIVIFMKKYYTMYDMQKRII IGF
UniRef90_S8A9X8 UniRef90_M0QW02	N T
UniRef90_I2FZE7 UniRef90_F0XKE1	T E G T T <mark>C</mark> F G G L Q S S D L G L N I <u>F</u> G D <u>V </u> A L K S <u>A</u> F <u>V V </u> F N G A P T L G W
UniRef90_W6QKN3 UniRef90_G7XIK7	WPDNTCIVLIGIL VIPSQPGIVINILLIGDTFILIRSAYIVVIYDILIENEII ISILI
UniRef90_R4X7E2 UniRef90_L1LCG3	FPQEY <mark>CYSGLQPWGGSFGLLGVMFLKNVYAVFDQTNEMQF</mark> VNKDD <mark>CL</mark> PAFMQLDVPSYLLGNAFMRHYFTVFRRGN
UniRef90_W5GWT6 UniRef90_S8ASD7	VGQGYVFGGIQSGTLPLDILGGTFLKGQYAIFDAGKRLGL
UniRef90_W9Z2M8 UniRef90_K5W6S4	YNNTMVFGGI QSQGLGFNI FGDVFLQCVYAI FDAGN VGDGTCVGGI FGSGNPSWVVGDTFLKNVLSVFRASPSVGF RVPDTDTCLLGVYEDSFPVLGTNFLRAAYVVFDQDNRI HL LGNGECFGGLQVSPLNLALYGDVFFKSQFVAFNAGNSLGM
UniRef90_B2B1F7 UniRef90_E9EZU7	RVPDTDTCL LGVYEDSFPVLGTNFLRAAYVVFDQDNRI HL LGNGECFGGLQVSPLNLALYGDVFFKSQFVAFNAGNSLGM
UniRef90_G8BKB2 UniRef90_E6R4Z5	CTGAVYIQTLISSSSPVQWIVGDAALKNTYTVFRYSPAVGF
UniRef90_T5Al37 UniRef90_T0L0F8	NSDGT <mark>C</mark> TSNII IYGHEIVIGA WILLIGDIVIFILIKNIVIYAAFDKDKRII IGF
UniRef90_G0VCV9 UniRef90_H3E409	QSGTSTCFSLIPQNSSSAILGDTFLNNAYVVYDLDNEISM YA SPSFVLGDPFLRQYCQLFDLGNRLGF
UniRef90_Q9FRW6 UniRef90_G0SZ30	R D E T E C V L T I A A S S S E L A L V G D V F L K N A Y S I F S Y S P A V G F D G T P V C V F G I A P A G D S T A T L G D T F L R S A Y V V Y D L N N E I S L
UniRef90_B6QV65 UniRef90_E9ELK6 UniRef90_G3N0B4	DGTPVCVFGI APAGDSTATLGDTFLRSAYVVYDLNNEISL QPDKNLCVLGVTPDDEFPVLGDTFLRGAYAVYDQDNRIHL KEPMGRCW
UniRef90_B0D1Q5 UniRef90_K1XPJ0	I D M N A S N I S S S S H Y W V V G D T F L K N V Y S V F R A D P S I G F T S N S T L Y S S L Q S G D M D F D L L G H A F L K G V Y A L F D Q G N R
UniRef90_UPI00045E20A0 UniRef90_W9YFM8	PDSGTCLFGFQPQADSLTFFGDSFLRSAYVYYDFDSTISL
UniRef90_M3IUB0 UniRef90_F4P9E4	DGTVADQCAFGILPDSANILGDNFLRHAYLAYNLDKTVGL VLQGQTCUSUFSASGDPTUFGASFURQFYTSFDYTGUVGU
UniRef90_M1WHH6 UniRef90_A0A023B1X7	SLDKNSKLCYVGMTTDQQILGDSVLRAGYFVFDWDNKVHI QTSTPCVLGITPSSEPLIILGDVFMRRYYSIFDYDNRLGL
UniRef90_W9YRU2 UniRef90_W5D6B1	N G D A A C A F A L E A A G D N P L L F G D A F L R S A Y V V Y D L E N Q L G L
UniRef90_A0CUK4 UniRef90_U9SUP3	DLPNQCIGAFMPLDIPDWILGDIFLTKYLSIYDRDNMVGF VSSLVPGFNFDGKNV TWLVGTPFLKNVYSVFRVENSVGF
UniRef90_O60990 UniRef90_M4FRC5	IDDTLCMLY LPVDINTFILGDPFMRKYFTVFDYDKEIGF SGGSACLFGLASSGKGTNVLGDTFLRSAYVVYDLENEVSL
UniRef90_V7PTX7 UniRef90_V7C8N8	CNFAFMPLNLSSPNGYLYLLGQVFLQKYYALFEKDNRLGL
UniRef90_A7EE89 UniRef90_G2XWI2	YTGKTCFGGLQATTSNLQIYGDLMFKSQFVVFNGGNNLGM LQFTDCLFGIAPAGDSTSVLGDTFLRSAYLVYDLDNEISL
UniRef90_R8BKX4 UniRef90_G3B7Y0	LQFTDCLFGIAPAGDSTSVLGDTFIRSAYLVYDLDNEISL SGSGVCTSNIYGHEVGSWLLGDLFLKNVYAVFDVDKRIG YDGDGNTGFLFLPQTNYHILGDVFLRNAYVVYDLDARISL PQEHYCSLGYLPLDIPLFVLGNNFIRKYYSIFDRDNMVGF
UniRef90_Q5CWT3 UniRef90_R8BVG6	GPSST CFGGLQSSDI GI NI FGDVALKAAFVVFNGASTI GW
UniRef90_K2RB15 UniRef90_Q8IKI0	PQEHYCSIGYIPLDIPLFVLGNNFIRKYYSIFDRDNWVGFGPSSTCFGGLQSSDIGINIFGDVALKAAFVVFNGASTIGWDYVGNCYGGLQQNDINVAILGDIFIKSQFIVFDQGPRVGFCNFAFMPINISSSNGYLYILGQIFLQKYYAIFEKDNKIGLNYSGTCVSGFTSLAQGTWVLGDVFLSTFYIQLDYEKRIAIEGTTFCLSGFIPMDGPLWILGDMFIGRYYTIFDRGNRVGFAISRDRSICVDARGRPTAIIGGAFLKSVYAIYSYAPAVGE
UniRef90_B3MNC8 UniRef90_B7SP36	EGTTFCLSGFIPMDGPLWILGDWFIGRYYTIFDRGNRVGF
UniRef90_U5H8J0 UniRef90_Q22RW7 UniRef90_A1C4K0	S S N G E C Y P A L VIA L D G P M WI L G D L F M S K Y Y T L F N R E D K V G F E G I E M C T F G I Y P S I S A I P I L G D T F L R S A Y V V Y D L D N R V S M
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UniRef90_G2R6H0 UniRef90_W5QBZ3 UniRef90_U6PWY9	KNYRGCYFIFVSPPIETWILGDIFLRLYFSVYDRGNRIGL QLEEGKCFALKPTFERHWTMGLPFIRQYCHAYDLGERIGF
UniRef90_U6PW Y9 UniRef90_M9ME95 UniRef90_UPI0002B4CE2F	T N D G H <mark>C V L S V </mark> A G G D <u>L G W </u>
UniRef90_UPI000383C093 UniRef90_Q4UD05	KDTRHCYTSFQESSRETWILGDVFLRLFFSVFDRGNRIVLEVEKVCMLGVLPMDMPLFVIGANFLRRYISIFDRDQMVGLTTNQSTCLGFGSNSRISWVIGAAFLKNVYSVFRASPSVGFDPTICQGGILGIGTIPEWIFGDVALKASFVVYDDGNRLGWDRQGNCVGGIVGTDQGVWLVGQVFLKNVYTAYDQRNTVSFSVGTNQQCVFGMLPGSSSILGDNFMRSVYAVFDLDNTISIDAGTNCLFGIAPAQGSTPVLGDTLRSAYVVYDLNNEISLQFPDEGNTSCRSSFLGYWELGVAFIGIVFT
UniRef90_G0SW58 UniRef90_A0A014P740	TTNOSTCLGFGSNSRISWVIGAAFLKNVYSVFRASPSVGF
UniRef90_F4R6W3 UniRef90_C5MEJ8	DRQGNČVĞĞI VĞT DQĞÜWL VĞQVFLK NÖYYTÂY DQRNTV SF SVGTNQQCVFGMLPGSSSLLGDNFMRSVYAVVFDIDNTUSI
UniRef90_W9YC50 UniRef90_E2AMQ1	DAGTNCLFGLAPAQGSTPVLGDTFLRSAYVVYDLNNELSL QFPDEGNTSCRSSFLGYWELLGVAFILGIVFT
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UniRef90_T5AIR3	ANLA
UniRef90_K7FJZ5 UniRef90_K5X0Q6	A QLS
UniRef90_G4UTQ3	Α
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UniRef90_F0WKS3	A C S A A P S A
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UniRef90_B8PIJ3 UniRef90_A0A016SPV7	LIDNFLNAQYFSEISIGTPPQTFKVVLDTGSSNL LIDNDSGLLWTGSIEIGTPPQSFIVCFDTGSADL PLHDYF DEFYLGSVIVGTPPQELWLSMDTGSSIM DNKDFLFYANVTVGTPPQHLRLHIDTGSSDI
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UniRef90_R0JKV0 UniRef90_UPI0002C34EA3	GIST VAANPLGYDE VISPVVVG GERAL DIGSSDL GT VAAN PLGY DE QELYL SPANL DIGSS DL VY K K V QV GS PE QE FV V QV DIGSS DL S DI A Y Y A QLS I GT PP QP V F V QL DIGS FEL A T N A V G D Q D GT D F S Y F I E A K F G D K D A P ML ML L DIGSS DL N T L N I D V N P N D L A L Y WV N G T P G Q P V T L A L D T G S S D L V L K G G Y I N R Q F I G I G S P P Q A F K V L F D T G S S N L G I S T V L K G G Y I N R Q F I G I G S P P Q A F K V L F D T G S S N L G I S T V L K G G Y I N R Q F I G I G S P P Q A F K V L F D T G S S N L G S C T V A A N P L G Y Y G E I G I G S P P Q I F T V V F D T G S S N L G S V P T T P T P S D E Q Y V T Q V T V G T P A Q Q L S L Q I D T G S S D L N M D F F Y A I Q V G L G T P P Q N V T V L V D T G S S D L N M D F F Y A I Q V G L G T P P Q N V T V L V D T G S S D L N M D F F Y A I Q V G L G T P P Q N V T V L V D T G S S D L N M D F F Y A I Q V G L G T P P Q N V T V L V D T G S S D L N M D F F Y A I Q V G L G T P P Q N V T V L V D T G S S D L N M D F F Y A I Q V G L G T P P Q N V T V L V D T G S S S D L N D V Y C S N T P Q T T Y D L I V D T G S S S D L S C S D S D S S D S S D S S D S S D S S D S S D S S D S S D S S D S S D S D S S D S D S S D S S D S S D S S D S S D S S D S S D S D S S D S D S S D S D S S D S
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UniRef90_B2WKI0 UniRef90_B9HXB6	S G I V A A N P L G Y D E L Y L S P V V V G G K I L H L D I D T G S A D L V Y L K N Y L D T Q Y Y G E II G I G S P P Q I F T V V F D T G S S N L
UniRef90_C5FBS2 UniRef90_S7RGH1	G S V P T T P T P S D E Q Y V T Q V T V G E G K L N L D L D T G S G D L L T D Q D A D S D Y Y G S V A I G T P A V S Y N V I L D T G S S D L
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UniRef90_B6Q2T2 UniRef90_W5NQU5	PVT N E DVT YVA GV SI G GT TYDL I VD T G S S N T
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PDVNNEDN
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A A W N I L Y A
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TQARWKSSPDNLYHDGNST
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UniRef90_F4S6C0	
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UniRef90_L2G2C3 UniRef90_I0Z908	PNPNAVPAGEVLIFGGDPSRFTGHLIHFILRVISOKH WV VPMN
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UniRef90_M2QIT3 UniRef90_B8P867 UniRef90_M4FMX6	IDQDMLYGTKDSTTVGIVDTGTSLLLIASDAFQQYLTLTGASALVNGKAVVSDIQTIIDSGTTLMYGPSDQVKTFYSSISAVGDGQPQPSTPGAQALADTGTTLILADKAVVEAYYSQVP
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UniRef90_Q5AYZ3 UniRef90_Q6C261 UniRef90_G9NUM7	E A R K H T V S S N A L P A A V L L D S G S S L S Y L P D S I A E K I Y D D L I R L D I K S E T R N K T P G Q V L L D S G T T L T Y L P T I S Y E T I L Q D W G D I V M Y A V Q T P S V N A T A V L D S G S T I S L L P G D V V Q A V W K E F G
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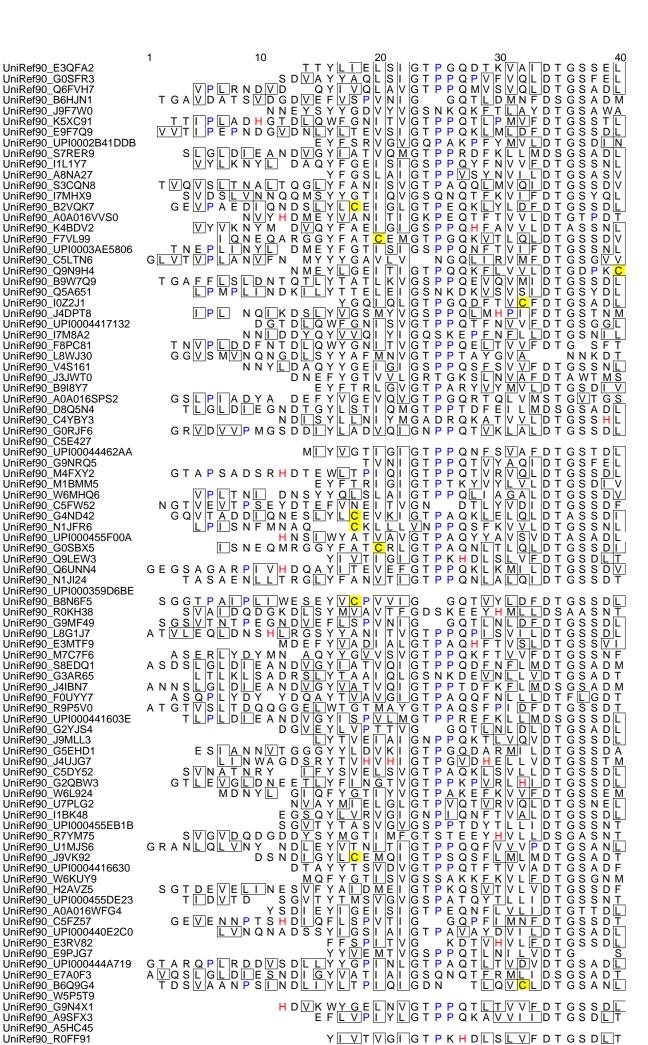
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                                                                                                                                                                                                                       I T N Q S A A F G V D P
T D T A G E E V K F G A
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V Y
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UniRef90_UPI000444A719 UniRef90_E7A0F3	ALVVNDKAAMTNII YAAIDTGTTLIYLPDRLAASFY
UniRef90_B6Q9G4	DGF SUGRDPSSPFSALVDTGSSLNLLPEYLVNQYYKRIP
UniRef90_W5P5T9 UniRef90_G9N4X1	I D G F SI G R D P S S P F S A I V D T G S SI INL L D P R R L I S N I Q K L I E K I Y V D N R T T N S P N Y V I Y D S G T A N I V A P K N D A E E I Y A M I S I D Q S V Y E I D S G G S G G T I I D S G T T I T Y L Q Q E V F N A L V A A Y T L N V G S G L T L C E G G C E A I V D T G T S L L V G P V D E V R E L Q R A I G D K E L E L T P A S F S T K G A L I D S G T V I T R L P T K V Y M S S Y K A T S
UniRef90_A9SFX3	IDQSVYEIDSGGSGGTI IDSGTTITYLQQEVFNALVAAYT
UniRef90_A5HC45	LNVGSGLTLCEGGCEAL VDTGTSLLVGPVDEVRELQRALG
UniRef90_R0FF91	UKEILIEILII PASESIKGAILIIDSGIVIII RILIPIKIVIY MSSYKATS

UniRef90_E3QFA2	250 260 270 280 GRLESSINMYLVPCNTKGT NFKFGDYTMK VPLSEFIW
UniRef90_G0SFR3 UniRef90_Q6FVH7	SKSEDAYGFHQLD <mark>C</mark> SLTKLNTLDFYFDGVMIKVPYKELVP ATVDPNGNGIRK <mark>C</mark> PSKKDNAKLLFNLGGALIYVDIKEFTT
UniRef90_B6HJN1	GGLYAKNA <u>NGYLFPC</u> TSSLPSLSVAVGGYSATIPGSFM <u>N</u> W
UniRef90_J9F7W0 UniRef90_K5XC91	A K Y Y T T D Q L F T G T C D E T K Y E S V Y F Y M D G Y W F E I T P K H Y L T G A Y G L A C D M I P S L P A V I D M A F T S Q D G M L F N L T I P S S E G P F
UniRef90_E9F7Q9	A KII IP (JIN A (1 Y IV IVII I I P C. I) I I I I IP I) F IV IF A IV (1 S (1 K IV I I IV IP (1 K I) Y A K
UniRef90_UPI0002B41DDB UniRef90_S7RER9	GFALFDTCYDLSSQSRVTIPTVSFEFGGKSLQLPPKNYLI GAKSDGQGGFTIPCTTTT SLALSFGGTSFALDPRDLAF
UniRef90_I1L1Y7	A E G Y V S F E C K S I V H N Y
UniRef90_A8NA27 UniRef90_S3CQN8	GNYYTYP <mark>C</mark> DTDVTVEMSFGGSQSWTINPADFRLTRLTRDS ARYY <u>S</u> KLGATLVP <mark>C</mark> SAQK <u>N</u> GSINY <u>GF</u> GGVDGPVIQTPTF <u>T</u>
UniRef90_I7MHX9	Q N Y KIVIY Q T Q Y Y Y T S C S T SIL IP NII IN FII L IN D K D Y SII IP S S F Y Y II I
UniRef90_B2VQK7 UniRef90_A0A016VVS0	GSKYDRTQQGYVFPASTSADDLPEVKDMVVFQKEDLGFAD ATFVQEHDLYYIDCNSNASMTL TIGNHQYTIESKNFII
UniRef90_K4BDV2 UniRef90_F7VL99	A E G F V S M E C K T V F S N Y G N M I W A D Y S S R L Q L A V I P C S K K T S K G Y F S F Q F A G P D P P K Y T S G P H
UniRef90_UPI0003AE5806	
UniRef90_C5LTN6 UniRef90_Q9N9H4	EYSPELNFFIFD <mark>C</mark> EHILNLPTITFILRGANLPVYGYEYAM GQYVASQGLYVVD <mark>C</mark> SKNVTVDVTLGDRNYT <u>M</u> TAKNLVL
UniRef90_B9W7Q9	N V T Y N D A G K A Y E V P <mark>C</mark> W V G N P G N Y L E F N F K N I K V P T S E F V I
UniRef90_Q5A651 UniRef90_I0Z2J1	ATYDEDESVYEIECDGYDEHFFGFSIGDSDFSVPIQDLKT GLQYAQDSNSWKCSNLDGLPTINLRMGEFLVPLAPRQYIT
UniRef90_J4DPT8	KIVIR P Q F P N S C F R S A SIV I IS T P S P T C WIL IG G E KII V I IE P S Q Y II IY
UniRef90_UPI0004417132 UniRef90_I7M8A2	GTFGIPCSEVGKLPASIDIAFTAQSGKAFNLTIPSSEGPFSNVCFYQYGEYVCSCQQNLPIIKFYTQEGILQISPQDYVIGAYGIPCSKISSLPAVIDFTFTSQSGNAFNLTLPSNVGPF
UniRef90_F8PC81 UniRef90_L8WJ30	G A Y G P
UniRef90_V4S161	A F GIL VIS M O C K T IV V F F Y G N MIL IW
UniRef90_J3JWT0 UniRef90_B9I8Y7	ARSFFFDKYTVD <mark>C</mark> DTINKLPELAFTLGGKNFTLAGRDYTL EFSLFDT <mark>C</mark> FDLSGKTEVKVPTVVLHFRGADVPLPAS <u>N</u> YLI
UniRef90_A0A016SPS2	A S Y D S R D I Y T V R C D S S E T L P D F N I L I N G K E Y A I P S A V Y V V G A A Q D Q V N G F L V P C N T A Q T L S L A F G G T S F D I D S R D L A F L V E L G G L V Y R E V G C N Q P P N K Y F T F D F G S N K V R F S Y K D A V S
UniRef90_D8Q5N4 UniRef90_C4YBY3	L VIELIGGI VIY R EIVIGCN Q P P N K Y F T F D F G S N K V R F S Y K D A V S
UniRef90_G0RJF6 UniRef90_C5E427	GAKVDRQAYSFPCELARGLPDLMLKIPGTDLTIPGPYLNY GSFDDDPEVQSYVISCPSDDEIVFNFGGFNIETSLSNYIIT
UniRef90_UPI00044462AA	AQQTFAHRIVITII IPCDNKNTMPDIL VIFTII INRIVINYSIVISASAYILIR
UniRef90_G9NRQ5 UniRef90_M4FXY2	S S G M D S T G Y Y A I N C N L A S Q K T I D F A F D G V T I S V P Y S E V I R G S H Y D A P A G G Y V F P C D A A L P D L S L G V N G K L L T V P G S Y L N F
UniRef90_M1BMM5	N F S I I F D T C Y D I I S G K T O A K I V IP T I V I IH F A G A D I V IA II IP A A N Y M I I
UniRef90_W6MHQ6 UniRef90_C5FW52	SKWSDYFGYYVTGCNIPDPDDYDFHIGGITIKVPFNQYEY ASMYDRNNGGWAFPCNTTLPNFTIHINDHKALVPGEHLRW
UniRef90_G4ND42 UniRef90_N1JFR6	- C
UniRef90_UPI000455F00A	GAT D N G D G T Y T V A C D A A L S G S L T L G G T S F A L A A D T L V L
UniRef90_G0SBX5 UniRef90_Q9LEW3	A Q K G F G G Q Y S I D C N K R D T I P D I T F N L A G Y D F T I S A Y D Y I L G A T D N G 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 A I Y A P E F Q V A V L P C D M K S S K G Y F S F G F G P R I D V R M D E L V L G Y G L F D T C Y D F T G L D T V T Y P T I A F S F A G S T I V E L D G S G I P
UniRef90_Q6UNN4	GVQSSASPI <u>MFP<mark>U</mark>S</u> QADS <u>L</u> PDL <u>L</u> FK <u>L</u> PSIE <u>M</u> VLN <u>T</u> GP <u>I</u> NS
UniRef90_N1JI24 UniRef90_UPI000359D6BE	A
UniRef90_B8N6F5 UniRef90_R0KH38	A SEVA E GE Y V V D C E Q V P Q L P N I S F H L G G K V Y G L S G P A Y V L G A F F D S 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 Y I L F Q P G Q T Q N G E A F F V P C D T T A V V Q F G F N G Q K Y N I S A A D W I G
UniRef90_G9MF49	GAONDAOAGGETIVI <mark>P C</mark> DAOILIP DILIDIVIGGNEILISGS DILINES P
UniRef90_L8G1J7 UniRef90_E3MTF9	AYQNPDFILGFQFGNSTTAPTINVNLSELILDFPVKDSFQ AKYDWNYELYYVPCSTASHPDLKLHLGGNVYYLTSAEYVL
UniRef90_M7C7F6	
UniRef90_S8EDQ1 UniRef90_G3AR65	GAQSDGQGGYTIP <mark>C</mark> TSNT SIALGFGGALFAINPVDLPN GERTSNNK <u>LV</u> VD <mark>C</mark> NQPAD <u>R</u> FYTFKFPGVSIKV <u>P</u> FTDL <u>V</u> T
UniRef90_J4IBN7 UniRef90_F0UYY7	GAQSDGEGGFTIPCTTNTSTALEFGGRSNPLDLLFAPVTD ATFNTDYGLYQVDCNLQFQWTVLTLGGSKFVVDQSNTLY
UniRef90_R9P5V0	ILIPTFTQDGSTYAYYN <mark>C</mark> NSPPTIIITFKYGSYSKSILISTTSFGT
UniRef90_UPI000441603E UniRef90_G2YJS4	GAQSDGQGGTTPCT TTASVAFGFNGATFDLNPQDLLF GSMYSSSYGGYVFPCGVTLPTLSFKIGPTDYPGSLMNFAV
UniRef90_J9MLL3 UniRef90_G5EHD1	GSMYSSSYGGYVFPCGVTLPTLSFKIGPTDYPGSLMNFAV AELDRELGFYMVDCKLRDHAGGLVLNFGTTITVPLRELIY
UniRef90_J4UJG7	AVEDKYVS <mark>C</mark> EYLQKEKDMVMSFTFARGGGTIKVPGYEMIL GASYAGEGLFAFP <mark>C</mark> RSVPQQKVSITFGGRVFWLQSTDLVL
UniRef90_C5DY52 UniRef90_G2QBW3	ATYNSETSYYQLK <mark>C</mark> PSQNDNTLILDFGGFQVNAKITNHIT
UniRef90_W6L924	A VFDGDANAAYVPCSTFSEPALAVGMDELVLDLVTASGFDAKNEDGLYLVLDSEDGKC
UniRef90_U7PLG2 UniRef90_I1BK48	VQPQSDGSLIVDCNFGDKGGYVDFTFGSLVVSVPLSDFIWPHVKQTYLGDCQAIAQAEHHLQILLERGLVLNVPVRDLLIATEDKTTGLTITEEQYNNLQSLFFNIGGVSYELTPNAQIW
UniRef90_UPI000455EB1B UniRef90_R7YM75	A T E D K T T G L T I T E E Q Y N N L Q S L F F N I G G V S Y E L T P N A Q I W G S A Q N G E T F T V P C D T T Q T V Q F T L G G V K Y G I S N K D F V G
UniRef90_U1MJS6	A N L G R K K <mark>C</mark> A F A F F T S E
UniRef90_J9VK92 UniRef90_UPI0004416630	G S A S I G S G M F S I P C T I E Q V V T M T F G N V A F Q I D V R D L I F Q P G A K P G P G N L L V R N C T _ S L P V V A L R I G G K D Y S I A T E D G T T
UniRef90_W6KUY9	ATMKEGÜYVVDC ETINQLPNFELEIGGNKWIFKGIDYIV ATYSSTSNGYVLSCANVDEDSMIVYDFGQIQTPLAGSLYQ
UniRef90_H2AVZ5 UniRef90_UPI000455DE23	A T E D Q T T G L T T Q E Q Y S S L Q S L Y F N G G V N Y E F T A N A Q W -
UniRef90_A0A016WFG4 UniRef90_C5FZ57	AQYDRLNDLYFIGCDTPA AVNFTIGTKQYTVGAENLI GARYYAGWYYPCNASMPSLFLAVGHDHMALIPLTFQNYGP
UniRef90_UPI000440E2C0	GSQAGTGSYEGYYYPCETEWSWSILITFGGSSWSII ISPADFILIQ
UniRef90_E3RV82 UniRef90_E9PJG7	GAYNDDESGGYVFP <mark>C</mark> STKLPDVWFKIGGAKHTVAGGNLIY WNIFPVISLYLMGEVTNQSFRITILPQQYLRPVEDVAT
UniRef90_UPI000444A719	
UniRef90_E7A0F3 UniRef90_B6Q9G4	G S K S D G Q G G Y T I P <mark>C</mark> T
UniRef90_W5P5T9 UniRef90_G9N4X1	SAMPRGSKDYVSCFAVNLLSSTTFTLNGLLYPVPAQAYIL
UniRef90_A9SFX3	DSYKSTQHGGYIFPCTQTIPDFSLKIGQYIAVTPGQLLKFSAMPRGSKDYVSCFAVNLLSSITFTLNGIIYPVPAQAYILPFIRPDTAGTYGIPCSKLESITFMIGGHKYIIPPQEGTISQVRYPTCFNTRGTGSPVFPAMTIHLDGVHLELPTANFISAVPLIQGEYIIPCEKVSSLPPVTLKLGGRDYTLSSEDYTLGRSIFDTCYDFTGVDTMTIPKIAFSLGGGTVVELGRMGIL
UniRef90_A5HC45 UniRef90_R0FF91	A V P L L Q G E Y L L P C E K V S S L P P V T L K L G G R D Y T L S S E D Y T L G R S L E D T C Y D E T G V D T M T L P K L A E S L G G G T V V E L G R M C L L
OTHINGIBU_NUFF81	OKOLI DI <mark>O</mark> IDI IO <u>M</u> DI MIHEKHAFOLOGGIV <u>V</u> ELGKMGH <u>L</u>

	290 300 310 320
UniRef90_E3QFA2 UniRef90_G0SFR3	QVGDNSCLGADKASDNAYI LGDSFLRSAYVVFDQEPALHF
UniRef90_Q6FVH7 UniRef90_B6HJN1	KVKGKCYLEI IPSGSDLVI LGDNFMRSVYTVFDLENEVSI SETVCYGGLQSSGSSSMAI YGDVFLKALFVVFDRGPSLGF
UniRef90_J9F7W0 UniRef90_K5XC91 UniRef90_E9F7Q9	A N D E C L I G F A Q F F D D S Y F L F G D V F L R E Y Y T I H D D K N R V G L A D D P S I C Q T L I N A F D G L D L V G G S L M K H W Y T I W D L E N R I G F N E G S S C V G G I A Y Y S G G L A I F G D V S L K S A F V V Y D D G N R L G W
UniRef90_UPI0002B41DDB UniRef90_S7RER9	A D D P S I C Q T L I N A F D G L D L V G G S L M K H WY T I WD L E N R I G F N E G S S C V G G L A Y Y S G G L A I F G D V S L K S A F V V Y D D G N R L G W P V D S T F C F A F A P T T S S L S I I G N V Q Q Q G T R V H Y D L A N S V G F Q P T G D C V S G I S S G Q I G E W L V G D V F L K N A Y F S T D V T N Q I S L
UniRef90_I1L1Y7 UniRef90_A8NA27	CLIGAFFTVTTRGA APSWLVGDTFLKNVYSVFRYSPSVGF
UniRef90_S3CQN8 UniRef90_I7MHX9	N G Q A A <mark>C Q</mark> L G I Q P A G D L P V L L G D T F L R S A Y V V Y D L N N R I A L K T Q G Q C I G I S S L P P S Q I L G D F M R R Y V S L F S Y K N Q V G L
UniRef90_B2VQK7 UniRef90_A0A016VVS0	A G D G M V Y G S I Q S G S M D M D I Y G D A V L K A M Y A I F D M N N H V D D D K C I G Y S T L W G P N W V L G A P F L R Q Y C T L Y D M G N Q I G F
UniRef90_K4BDV2 UniRef90_F7VL99 UniRef90_UPI0003AE5806	K G Q D V C E F G I Q N F T S A P Y L L G D T F L R S A Y V V Y D L N N E I A L
UniRef90_C5LTN6 UniRef90_Q9N9H4	MFVDG <mark>C</mark> ILTIQPGFGPQWILGDPFLRAYYTVYDYDNRVGF EIQAD <mark>IC</mark> LAFF <u>EM</u> DGPAWILGDPFLREY <mark>C</mark> NI <mark>H</mark> DIEKRIGF
UniRef90_B9W7Q9 UniRef90_Q5A651	SVGTYASGAFGILPGTHSILGDNFMRSVYAVFDLEDHISI EKDGQ <mark>C</mark> YLAIMSNSGGGILFGDDILRQIYLVYDLQDMISV
UniRef90_I0Z2J1 UniRef90_J4DPT8	SVGTYASGAFGILPGTHSILGDNFMRSVYAVFDLEDHISI EKDGQCYLAIMSNSGGGILFGDDILRQIYLVYDLQDMISV QAVGTVNLGVGGGPAGKIVLGDVFMRSYYTVYDADQAVSL KQGDHCTPAYMQLDVPSYVLGSSFMRYYFTLFRMGSMVGV EQDPTICQTLINVSEGLTLVGGSLLKHWFSVWDVGNRMGF
UniRef90_UPI0004417132 UniRef90_I7M8A2	KKGQK <mark>U</mark> I LIAII ID FQD I DFNII LIGDIV L LIKK I FIV I IFDQKQQIVIGF
UniRef90_F8PC81 UniRef90_L8WJ30	DSDNST <mark>CQTLINSESGTNII</mark> GGSLLKHYYSVWDVGQREGF AIFEVSMGGLGNPDVPQWIVGD KNVYSVFRYQPSVGF
UniRef90_V4S161 UniRef90_J3JWT0 UniRef90_B9I8Y7	KMTYWG GVCLSASSNTWVLGGAFLSEYYTIYN DKQIGIPVDNSFCFAFAGTASGLSIIGNLQQQGFRVVYDLASRVGF
UniRef90_A0A016SPS2 UniRef90_D8Q5N4	DNNGNCVI TFFSMSGPSWVLIGATFII RSF <mark>CHV</mark> IY DIVIGK QII IGF
UniRef90_C4YBY3 UniRef90_G0RJF6	DGSGMCVSGIQAGTVGEWLVGDTFLKNAYFSTDVTNQLSL RQGNKCYLGFTYHN GMQILGDIFLRQAYVYFDLGKTVSI GPSEACWGGMQSADGKVTVLGDIMLKALYLAFDLDKRIGF
UniRef90_C5E427 UniRef90_UPI00044462AA	RQGNKCYLGFTYHN GMQI LGDIFL RQAYVYFDLGKTVSL GPSEACWGGMQSADGKVTVLGDLMLKALYLAFDLDKRI GF DNGNGQCLNISPTSDYMGLLGDSFLRDSYVVYDMDNEI SL QDTNYYYYYYYSIAIPPWTRGDVFLRLYFSVFDRGNRVGL QVSPPQCYLGMMGSTEFALLGDTFLRSAYAVFDLGNSI HL
UniRef90_G9NRQ5 UniRef90_M4FXY2	QVSPPQCYLGMMGSTEFALLGDTFLRSAYAVFDLGNSIHL ETKKECFGAVQKSGEPMSILGAAALKAAYVIFEDARRIGF
UniRef90_M1BMM5 UniRef90_W6MHQ6 UniRef90_C5FW52	ETKKECFGAVQKSGEPMSILGAAAIKAAYVIFEDARRIGFPVNGRYCLGFAGTNGGLSIIGNIQQQGFRVVFDLGSRLGFKGDQLCALAMAASSDDVFTFGDFWLSSAYVVFDLDDEVQIAQTNTCFGGLQPVNNPPAILGGTFLKSQFVIFDYGPKIGF
UniRef90_C31 W32 UniRef90_G4ND42 UniRef90_N1JFR6	AQTNT <mark>C</mark> FGGLQPVNNPPAILGGTFLKSQFVIFDYGPKIGF SPADGDMFFGVVQSRGFDVLGVPFLRSVYALWDFGHQ ELQGSCLSSFTGMDFP
UniRef90_UPI000455F00A UniRef90_G0SBX5	E S D E S G T
UniRef90_Q9LEW3 UniRef90_Q6UNN4	II IKII IS QIVI <mark>C</mark> II IA F A G N D DII I <mark>P</mark> AII IF G NIVIQ Q T TII IDIV VIY DIVIG G RIVIG F
UniRef90_N1JI24 UniRef90_UPI000359D6BE	DPSLCWGGMQSAQDMDVTVLGDVMLKAVFVAFDVDNKIGLNGQPACQLGQAAGSLPVLFGDTFLRSAYTVYDLNNRIALRQSQYCVVAFSGLDIPPWILGATFIGHYYTKFDRHNRIGF
UniRef90_B8N6F5 UniRef90_R0KH38 UniRef90_G9MF49	LGDDLCYGGIQNTGLPFSIFGDILLKAQFVVFDHGPRLGF DQCRSNIVGRQTFGAHQWLVGDVFLKNVYSVFDFDK VSGNTCFGGLQATTGGLGVYGDLFFKSQFVAFNIGNNLGL
UniRef90_L8G1J7	S <u>W</u> D S <u>V C</u> Y L A <u>M</u> A <u>D</u> S S T P L Y L G D A F L R S A <u>Y V</u> V Y D <u>L</u> D N E <u>L G I</u>
UniRef90_M7C7F6 UniRef90_S8EDQ1	DPTGDCVSGISAGEIDTWLTGDVFLKNVYLSVNQNNQISL
UniRef90_G3AR65 UniRef90_J4IBN7	R Q F M D D C L L A V T Q N P T M L I L G A N F M R H A Y L A F D L E K R I G I D L T G D C V S G L S S G E I G E W L V G D V F L K N A Y F S V N Q N N Q I S L
UniRef90_F0UYY7 UniRef90_R9P5V0	NIVIG D F CL L M F E S F V Y P D F IL L IG G P F V Q D Y CL V Y D V T G N L G F T N N G D C V L S I A G G D V G A WV T G D S WL Q N T V A L F D T D N R V G F
UniRef90_UPI000441603E UniRef90_G2YJS4 UniRef90_J9MLL3	A T G N T C Y G S L Q S G G G N Q S I Y G D V F F N A Y Y G V F D F D N K V F D N K V F D N K V F D F D N K V F D N K
UniRef90_J3MLL3 UniRef90_G5EHD1 UniRef90_J4UJG7	PFKDVCLFGIQSTGQDFTLLGDTFLRSAYVYYDLDNQVGL
UniRef90_C5DY52 UniRef90_G2QBW3	R S Q N G E C L G I T P S D T D S G T L G D V F L V D A Y V V Y D L D N E I S L N G T P A C L F G I G P A G A G T Y V L G D T F L R S A Y V V Y D L D N E I A L
UniRef90_W6L924 UniRef90_U7PLG2	FLGMLPITGHLP NGKSWIFGHVFLKHLYTVFDADKSLSF AATSDLCVGALPSEDTTALLGDTFLRSAYVVFDQDNKIYM
UniRef90_I1BK48 UniRef90_UPI000455EB1B	PLEGDHCLFGQKMENKGWILGDSVLRSLYLVFDMENQVGF PRALNSTLGLIVSDLGDFINGFGWLQRFYTVFDTTNQVGF
UniRef90_R7YM75 UniRef90_U1MJS6 UniRef90_J9VK92	NIUVS NILVGKQIF GAIQWILVGAIFFKNILYIVIFDFGQRVGF FGGFGPS WILGNPFIREYCQIHDVGKRIGF
UniRef90_J9VK92 UniRef90_UPI0004416630 UniRef90_W6KUY9	ACLLPFVGGQQSTEVPLMIMGDSFLKSWTSVFDVDNRVGL
UniRef90_H2AVZ5 UniRef90_UPI000455DE23	LSDDQ <mark>CELATGSTSSSYATLGDLFLTHAYVVYDLDNKISM</mark> PRALNSTLGGSEDSLYDFINGFGWLQRYYTVFDTGNQLGF
UniRef90_A0A016WFG4 UniRef90_C5FZ57	KVKEDLCI LGLSHWSETWLLGDPFIREYCHI YDLEKKI GF GPDDVCYGGLQSNNGGIQI LGDVFFKALFVVFDRGPSVSL
UniRef90_UPI000440E2C0 UniRef90_E3RV82	VISESQUI GAFFSSSAPSWI V GDTFL KNVYSVF RANSL GF SDPTMCYGAL QASYDSTHILL GTPFL V GKYL V HEYKNR M GL
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UniRef90_ UniRef90_	Q6C841 C5GUT5	GGSTTPAYN ATP TVSATP PVSF SGSADLTE	Q M G E P Y	RLYY	ETE LSP	LEIVNV	GTP A	PQN	/VK/	AVFD1	GSPLL GSADL
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	UPI0004407C75 C5DY49	G S L A V T D G H A N F D L K N	Q Q N	T V I Y	TAE SVE	V G V L K V	G S P	AQN	Y S L	_ T M D T	GSSNT
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UniRef90_	_W7MLQ6 _K9ITZ2	SGSVKVKP	T Q ∐A G	GQSF Y	FTP YLD	V K I T V I V <u>L</u> I	G N G T P	Q Q P	F K N	/	GSADL GSSN <u>F</u>
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                                                                                                                                              A F E S P R N V V C Q N G F C S S Y G T Y D N T T WV K C S P V F N P A K S S S Y G H H P C R R T I W V T G S G N P Y C S P D T R D A H V D C S Q Y W L F G A D V R G E V S S G Q T K W N H T A S S W N C A S R N C H G F A H N N T L K H T Y N S S W V H G S N S T Q C L Q G H C Q G S F N V S K S W V F S S Q Q P L V E R A S H D F Y T P L P G K W V G N N K S Y V P T W L A S P G S I G V P N V F D P S T S W V G A D C Y P Q T B P I F E P S S S S W V F G E H C Y T C T T Q R Q Y D K S S A T F S W V G A D C Y A C F E Q N G P Y Y D P K D S N A V G A A P H P F L H R Y Y R R Q L S W I Q C A P C V A C F E Q N G P Y Y D P K S S N A V G A A P H P F L H R Y Y R R Q L S W T Q C A P C V G G N N C G Q P T M A T F T P S W L Q C K P C S D C Y Q Q S D P I F D P T A S S W I G S G N K K Y V W Q C A P C A D C Y H Q A D P I F E P A S S T W T Q C A P C M L C S D Q P T P F F Q P N R S A W V R S S E L P A D T L P K H T F D P E K S S T W V Q C A P C M L C S D Q P T P F F Q P N R S A W V R S S E L P A D T L P K H T F D P E K S S T W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S W V Q C A P C A D C Y Q Q A E P I F E P T S S D S M V Q C A P C A D C Y Q Q A E P I F E P T S S D S M V Q C A P C A D C Y Q Q A E P I F E P T S S D S M V Q C A P C A D C Y Q Q A E P I F E P T S S D S M C C Q C A P C A D C Y Q Q A E P I
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                                                                                                                                                                                               A P C A D C Y Q Q A E P F E P T S S D S F S P L S C E N Q R C K S L D V T C A G G K D N T C G S Y C K S F T N T S A C V T G Q T F S D C E H C G H Q D P R F Q P D E S S T Y H P V K C N M D C N C D H D G C Q P C S G H C Y K Q H D P I F D P A K S S T Y P C G H P E C K A A G G Q C 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 S N D S S P F Q R E D H P G Y V P T S S A T L L K G Y N F T L K Y A F G D F C S S T Y R P K G L E V T V K Y T Q S A P H S Y I D S Y F D T E R S S T Y R P K G L E V T V K Y T Q S T C V N K S T T F K K A A G A Q F K I S Y G D T C C A T A A T E S Q E E T C N A S G R Y I P G L S S T C V N K S A P C L D C F E Q R G P V F D P A A S L S Y R N V T C G D P R C P H S D C N C F K C H I Q N S K N S L F D C N Q S P T C K L T D K S S Y E L T F S S N P F C S S N S N T R S N Q T Y D G S R L T S T L D C Q D I G R F Y
                                                                                                                                              WV Q C A P WV P D V T T V P C S D WI Q C Q P WI A S S WV Y S N D A V A G A WM F S T E WV D P T WL Q C A P U V M S S S
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L A L E A
A T D V T
N F F L P
F L T D E
S P I N N
L L W I L SGGSEAK QDYESER F T T S G W UniRef90_C0NPB3 UniRef90_I7ISI8 UniRef90_F0UEQ3 UniRef90_UPI0003AFF560 S GSFSGEEYTDQVTLGSLVINDQSIGVASQSEGFQGSDGILTISTGLLSTDIVNVNCNRIFDLPMIRFILNDMTFKLTADDDHGFGSYINDTLQVGGITLKDMMFGVVELNAASFPLNTQQ UniRef90_E2AGL0 UniRef90_A4V8V9 UniRef90_K5VU73 G S T T E G T L S H D K F A F E D P E R N L V D V G H L D F G C S D Y S S W H F S F A K G T W G M D H V Y L D G L N V S G V S F A V A N E T N S T V G V F G I G S G A K G T I Y Q D T V S I A G A A V S G Q G V E Y A T Q K S G E S I L G V P V H G S L T K L G Q E K L N M A G F T I S N Q D F G R A L N V P Y V Y T K Q P V W G G L G N W G N E T V S Y A G Q T L T D F E T W V S K G D P Y M W F E I G L F A S G N V Y I D R V S I N D V V S P S Q S I Q A A Q K V G E T F I V D S N L G D V Y G F E Y V D D I T L P S S I V V V T N Q S I G V S N K T G D F E L V G V D G T F D G T I G T D T V S L A G F T T A T S I V E Y G V V D D E A F E F R Q M F L R G Y V S Q D V M R I G D I E L A N Q P F I E V T V F N N F P A Y P S E K V S E C R N A T C L Y E V S Y G D G S Y T I G D L A T E T T I G S A S V D N V A G S F S G E E Y T D T V T L T N E L V I T S Q T I G S A L A A G G F Q G V D G I S S A T I D C S Y G T F N L D G S E T F K S N D S T F Y L T Y G D G S F A K G L G C G T K C L Y Q V D D S L E P F F D S L V K Q T Q V P N L F S L Q L G C G T K C L Y Q V D D Y G D G S F T T G E F G T D D V S L N S T S G V G Q V V L N K L P Q D C I S N T C L Y G V S Y G D G S F T V G E Y V T E T V F G A G S V N R V A G Y F Y G T E F Y D T V T L T P Q L V I Q G Q S I G V A L A S D V F K N F L Y A V T C N V G Q D L S I G G L S I P N Q Q L C L A N S I T S N T P L H D G S F T C G R G S Y T V G D G S F T T G E F G T D D V S L N S T S G V G Q V V L N K I P Q D C I S N T C L Y G V S Y G D G S F T V G E Y V T E T V F G A G S V N R V A G Y F Y G T E F Y D T V T L T P Q L V I Q G Q S I G V A L A S D V F K N F L Y A V T C N V G Q D L S I G G L S I P N Q Q L C L A N S I T S D L D D D T N K S M Y A S C R N G K C L Y Q V S Y G D G S F T V G E Y V T E T V F G A G S V N N V A Y P A C F H G V C V Y Q Y Y Y G D Y A S S E A F T F G A A N S T K V R V P G V A S S V S G S I G T E D I T I G G V A F K T Q P V Q L A K T M S P M F T Q F S A D V F E C R N D T C L Y E V S Y G D G S Y T V G D F V T E T I I G G V A A K D I A S S V S G S I G T E D I T I G G V A F K T Q P V Q L A K T M S UniRef90_M5Y6E8 UniRef90_S6EJR5 UniRef90_G3JMV5 UniRef90_A8WQ81 UniRef90_A8WQ81 UniRef90_Q6C841 UniRef90_C5GUT5 UniRef90_UPI00044499F5 UniRef90_UPI00044165E1 UniRef90_W8XBE9 UniRef90_W4D7L3 UniRef90_J5RCV8 UniRef90_J5RCV8 UniRef90_UPI0004407C75 UniRef90_C5DY49 UniRef90_K7L9Z2 UniRef90_W7L9Z2 UniRef90_UPI000273A843 UniRef90_A9RSN4 UniRef90_B9ILA4 UniRef90_F4P9G1 UniRef90_UPI000189D103 UniRef90_UPI000189D103 UniRef90_B0DVH0 UniRef90_E2AIT5 UniRef90_B9ST28 UniRef90_W5FBU1 UniRef90_B8NS01 UniRef90_UPI00044496AA UniRef90_M5Y4R9 VFECRNDTCLYEVSYGDGSYTVGDFVTETLIGGVAAKDLA
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UniRef90_D4AIS3 UniRef90_N1PRY8 UniRef90_K4BXE2 UniRef90_M2V9E8	I G Y E A G E A Q V T R S G D Q S Y P N L P A A L V K A G H I R S N A Y S L W L G F G P V D L T Q N T V S N A N T V P T F M D N L Y K Q G S I S V E A L G V Y F I G C G H N N E G L F V G A A G L L G L G G G A L S F P S Q I N A S S F S Y C L G I L G I G R G G A A S D G E I A A P Q I M D V L S S N R L I A A K L Y G I H L
UniRef90_UPI0003F0B762 UniRef90_I7M1J3 UniRef90_J9IUZ4 UniRef90_V2XF24	GILGIGR G G A A S D G E I A A P Q I M D V L S S N R L I A A K L Y G I H L E G I L G L A Y E E I S R P D S S V V P F F D S Y V T S S V F A L L L C G T V G I I G L N N G D S Y T N L I D S L Y Q A G E I S S N R Y A L S L Q H F Y T P F D G L M G L A L S S L S E L Q G P T A I E T L A A S G L I D E A L V S Y R I
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UniRef90_B5FVC3 UniRef90_A5DHF0 UniRef90_U7PVV4 UniRef90_F7VXS3	PTFSYDSFMDLLGRSSGGLSESSQSFFLDSARSTMVFSTW LGIGYEANEAARQEYPNFVSLLKSQNYINKRAYSLYL EFSGILGIGYGLGLTTRYPNFVDELAMQNVTRVKAFSLAL TRIDQFVAQKLITTKAYSLYLNDRRSDTGSLLFGGLDKDK
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UniRef90_S8EJS9 UniRef90_A0A022PXU2 UniRef90_W6ZUG8 UniRef90_K5VYA0	F G C G H D N V G L F S G S A G L L G L L G G G R L S L P S Q I K A T S F S Y C L G T I L G L S L E C G G Q G P E C M D K G P Y L L P Q L K N I D T M A T S F Y D I G V G P T D L T A N T V S G O D O V P T V D N L F S Q G T L T S D S L G L F Y
UniRef90_Q6CG77 UniRef90_UPl0002B441D3 UniRef90_S2J3H2 UniRef90_S8FXC4	YKGNEASTFQGEQVGQTFQYDNFPIRQDGIINTPAYSLYL IGCGHNNEGLFIGAAGLLGLGGGGSLSFPSQLNASSFSYCL EANGILGLAFPALTANSDTDQAYEPFVFNLASQKLISEPV IGVGPTDLTYGTLYPDVNPTVMDNALQQGLIPTELLGVSF
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UniRef90_F2E232 UniRef90_G8Y094 UniRef90_L8IT34 UniRef90_C0NPB3	VNLTQSGTRRVDGVAFGCGHRNRGLFHRGVYGGHAFSYCL NNIFGIGFKNLESTVYGGNGAVYNNFPQGLVNKNAYSLYL NGILGLAYATLAKPSSSLETFFDSLVAQAKIPNIFSMQMC DGLVGLGFTKINTMKPEKQTTFLENIAPDLQEPVFTAQLK
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UniRef90_K5WQT6 UniRef90_E2AGL0 UniRef90_A4V8V9 UniRef90_K5VU73	Y T E V A G D V Q T N M S K Y P F N T A P Y D G L G L G C S T A S V T A F G G G G C Q T K A C D T Y P T F N Q L K E H G V L S R R A F S V Y L G G G G G G G G G
UniRef90_M5Y6E8 UniRef90_S6EJR5 UniRef90_G3JMV5 UniRef90_A8WQ81	VGNESGALGLSRQPLSLISQLDIKKFSYCMVLPNNEGLGSLPGNEASVPGVDGQHYQYMNFPQMLKHSGVVQKNAYSLFLSGIVGFGFDSLNAAAPQQKTLFSQLKPHLDQPVFTVDGVLGLGFPARAISGTKPVIVKLLPHMDSPVFSIWLDKHG
UniRef90_Q6C841 UniRef90_C5GUT5 UniRef90_UPI00044499F5 UniRef90_UPI00044165E1	GQSGTDDPRQSFVQGLADSGKISRAVYSLNAEKPLLWNKPDGVLGLAFPSV NNVRPEKQLGFDNVKDTLPEPLFAVSGVLGLAQVASTAGTFPSKPDEVVPTFTNNMLAQGLISGLMGFAWSTIAASGSMTFMEQVSFHLGRGTDDLQPEQGFYD GFFGLGFDAKTGLKLPLHALVDSGVLDEPVFAFN
UniRef90_K3XBE9 UniRef90_M4D7L3 UniRef90_UPI000455DAE1 UniRef90_J5RCV8	Y D GF GL GF DAKTGI KLPLHAL V DS GV L DE PVF A F N V G C G H S N Q GL F V G A A G L L GL G G G L L AL P S Q L N T T S F S Y C L L G I G P V A L T S G T V S T D S V P T V T D N L A K A G T L S T E S I G I Y Y D D G I M G L S R P F A G R P P P V W A D M K E F G L H I R R E G E T F K A R H E L G I G P I G L T E G T E F P S I T P T V T D N L F S Q G K I P Q K V V G I Y F W G M D H V Y L D G L N V S D Y Q Y K N F P Q V L K D N G V V Q K N A Y S L Y L
UniRef90_UPI0004407C75 UniRef90_C5DY49 UniRef90_K7L9Z2 UniRef90_UPI000273A843	UGLGPIGLTEGTEFPSLTPTVTDNLFSQGKIPQKVVGIYFWGMDHVYLDGLNVSDYQYKNFPQVLKDNGVVQKNAYSLYLPLSFATQLQSLYGHSFSYCLVDRNSNSSVSSKLIFGEDKE
UniRef90_A9RSN4 UniRef90_B9ILA4 UniRef90_F4P9G1 UniRef90_UPI000189D103	WGMDHVYLDGLNVSDYQYKNFPQVLKDNGVVQKNAYSLYL PLSFATQLQSLYGHSFSYCLVDRNSNSSVSSKLIFGEDKE GFPNLNQSEALASVGGSMIIGGIDHSLYVGSLWYTPIRRE LGCGHDNEGYFVGAAGLLGLGKGPLSFPNQVDPQNGGRFS FGCSEESRGTFNGTTGLLGLGLGRSPLALPSQTTNKYFSYCL IIGLAPPSVMEPTSVFSMLDTNKAFAASQVSFWYNSSSL IGCGHDNEGLFVGSAGLLGLGGGGPLSLTSQIKATSFSYCL LGIGPTDLTIGTLNPDTQSTVTDNLHNRGTIPAYEIGIFF CALGIJGLRSFNTYDDRVTPIFDNMIEQGLVSSRIFSFYL
UniRef90_B0DVH0 UniRef90_E2AIT5 UniRef90_B9ST28	
UniRef90_W5FBU1 UniRef90_B8NS01 UniRef90_UPl00044496AA UniRef90_M5Y4R9	FGCGNVNAGYLANSSGMVGLGRGPLSLVRQLGPSRFSYCLGVLGNHPQQDIKALAERLNTRDDREQSAKLFTAKLGSWGD
UniRef90_K7H7Q2 UniRef90_E0CP57 UniRef90_K3Y3M0 UniRef90_Q235M1	GDLYSQRADGIMGLGRGQLSIVDQLVDKNVINDSFSLCYGGCGENNLGPFGDVDGIIGLGRGQFSLSSQAASSLGATFSFGLIPSDNDTLTQPNLVLQLHQTQQIEKPLLSFYFALEQDIMGLAFSTINQVTPKKQKTFFETLLPLLKKKIFAANLR
UniRef90_W7MLQ6 UniRef90_K9ITZ2 UniRef90_E4ZRH6 UniRef90_B2B3U9	NGILAFSTINQVTPKKQKTFFETLLPILKKKIFAANLR NGILGLAYAALAKPSSSLETFFDSLVAQAKIPNVFSMQMC DGLVGLAFSQLNTVTNGAKKTPQKTFFDNVMPTLDLPVFT IDKLH AQGITQSKAFSIALGGQCSESGGAIIFGGLDTKK FGCGHSNRGLFHGAAGLLGLGRGALSFASQLYGHAFSYCL ENIEADGILGLGMIKKNPNFFVQQLFASGQISEPSFSLYF SGILGIGFPRRESPNKFYDNFPQVLKDKGLISTVAYSMYL
UniRef90_Q6Z6Q8 UniRef90_Q230Z8 UniRef90_S6EDB0	F G C G H S N R G L F H G A A G L L G L G R G A L S F A S Q L Y G H A F S Y C L E N I E A D G I L G L G M I K K N P N F F V Q Q L F A S G Q I S E P S F S L Y F S G I L G I G F P R R E S P N K F Y D N F P Q V L K D K G L I S T V A Y S M Y L

UniRef90_E3QWZ2 UniRef90_S2K0K0 UniRef90_O74664	170 180 190 200 G S K D E Q E G A I I F G G I D T S K F S G P L A R L P I I P A D E A P D G V A N K S E S M D T E V I F G G I D K T K Y Q G P S D Y G Y W Q V F G Q G V G A T V K E S N G G G G E Y I F G G Y D S S K F S G D L T T I A V D N S N G W Y G I T I L Y N N T V G G E L T L C G M D P T H Y Q G P I A W E P L I S E T Y W Q I Q L G
UniRef90_W6NSV8 UniRef90_J9J0X0 UniRef90_A0A022QU84 UniRef90_UPI00042AA603	LYNNTVGGELTLCGMDPTHYQGPLAWEPLISETYWQLQGQPEEKNSKLTLGGMDPTHYQGPLAWEPLISETYWQLQLGQPEEKNSKLTLGGYDLESFVKPDQNGVKKLYWHDLSNTNYGESAVSRKAVFTPLLTNPKLDTFYYVGLNGMSVGGARVPGGSQQGSNGGQUVEGGVDFNLYTGFLTWLPVLQFLYWKLSL
UniRef90_V9DEN8 UniRef90_D4AIS3 UniRef90_N1PRY8 UniRef90_K4BXE2	CYLGSYKDFFTFGEIDQDVVKATGRQISYTPVNDTKGFWQNDLSASRGQILFGGIDTGKFQGKLQTVPVLHTSRGDYIRTKPENDANGELTLGGADSSKYTGSLTYFPQGSASSYWGISIVDRDSDSTSTUFFGGALPPNAVTAPMUKNSKUDTFYYMUS
UniRef90_M2V9E8 UniRef90_UPI0003F0B762 UniRef90_I7M1J3 UniRef90_J9IUZ4	LYNNTIVGGELTLGGMDPTHYQGPLAWEPLISETYWQLQLGQPEEKNSKITIGGYDLESFVKPDQNGVKKIYWHDLSNTNYGESAVSRKAVFTPLLTNPKLDTFYYVGLNGMSVGGARVPGGSQQGSNGGQLVFGGVDENLYTGEITWIPVIQELYWKISICYLGSYKDFFTFGEIDQDVVKATGRQISYTPVNDTKGFWQNDLSASRGQILFGGIDTGKFQGKLQTVPVLHTSRGDYIRTKPENDANGELTLGGADSSKYTGSLTYFPQGSASSYWGLSIVDRDSDSTSTLEFGGALPPNAVTAPMIKNSKLDTFYYMLSSRAKDGLQDGSIGHVDTTRFSGDMNYLDCVDNDAGFWASSGSVSEMGGTMTVGGIDEELYTGSIFYSHIRKQWYYEVVITNKDSYLYIADALPESLSSQTTWINVSQKNRWTLKCIGVYLDPRRKDNTDDITFGGLDDSKGYGGLHWYKIKSTWWQITIEDPRRKDNTDDITFGGLDDSKYDSETLVTLPNISPLGFWAQKRARDTTSKMCVGCIDSKYDSETLVTLPNISPLGFWAQ
UniRef90_V2XF24 UniRef90_U5H8J9 UniRef90_UPI0003C8C6EB UniRef90_F4P9E2	PRRKDNTDDITFGGLDDSKYDSETLVTLPNISPLGFWVAQ KRARDTTSKMCVGCIDSSKYSGALSYTAVSDQGYWQVPSD NRYWGWWWCLPACQSSPPKGLQPAFRKSLTPCRMSHPPFR NDRSDNGGTLTYGGLEPGRSSGTPHWLPLQLTNIPGSSNY
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UniRef90_B5FVC3 UniRef90_A5DHF0 UniRef90_U7PVV4 UniRef90_F7VXS3	LAGSERTGVLTFGGYDKSRYHGELNWVPIVSGIHYQVQSE NSVNAQTGTI LFGGKDTRKYKGKLTTYSTSGNERLQIPLQ GSKAEQEGVIVFGGVDTSKFSGQLERLPITPAKFSPDGVP FIGDLSILPIYMTKGQAEPIHFEVEMQSVSLDLTKNGKTT
UniRef90_U6NP46 UniRef90_E4MVP8 UniRef90_H3G4B0 UniRef90_V2XBM5	VDRDSAKSSSLDFNSVQNSKMDTFYYVGLSGFSVGGQQVSWLSDAVDGGVITFGGYDNVNCDSQINYVPLTSQTYWQFKLAPIELGNAELTLGGIDESKFSGPLLFASLPSGGSSTWRLN
UniRef90_S8EJS9 UniRef90_A0A022PXU2 UniRef90_W6ZUG8 UniRef90_K5VYA0	T L K K G E G S T L T L G A V D T S K Y S G S N D A G A E S G T I L F G G I D R S K Y T G T L A T V N F L S Q Y Y E G E N A G L A G S E R T G V L T F G G Y D K S R Y H G E L N W P I V S G I H Y Q V Q S E N S V N A Q T G T I L F G G K D T R K Y K G K L T T T Y S T S G N E R L Q I P L Q G S K A E Q E G V I V F G G V D T S K F S G Q L E R L P I T P A K F S P D G V P F I G D L S I L P I Y M T K G Q A E P I H F E V E M Q S V S L D L T K N G K T T L Y N N V V G G E L T L C G I D P T H Y Q G P I A W E Y L I S E T Y W Q I L L G V D R D S A K S S S L D F N S V Q N S K M D T F Y Y V G L S G F S V G G Q Q V S W L S D A V D G G V L T F G G Y D N V N C D S Q I N Y V P L T S Q T Y W Q F K L A P I E I G N A E L T I G G I D E S K F S G P L L F A S L P S G G S S T W R L N D Q P Q G G E V C F G C F P I T W N P V V S R V S P P H S L N A D K D A D Q G P V D K D S R S F S T L E F N S A P P S L T S T Y F Y V G L T G I S V G G R A L K E F N V T N A Q M I I G G A Y D K A K V G G D M I T L D M V D P F S F V L S S G E P T T Q D G A I N T F G G I D T G K F S G E L A I L K T L T D E G A S S P R E V D R D S D S T S T L D F N S P I T P D A V T A P L H R N P N L D T F F Y V L P F S I S L D Q E Q M M I G G I D K E Q H T G D V H Y I P V V K N T N P K T G S S
UniRef90_Q6CG77 UniRef90_UPl0002B441D3 UniRef90_S2J3H2 UniRef90_S8FXC4	VDRDSDSTSTLDFNSPITPDAVTAPLHRNPNLDTFFYVLPFSISLDQEQMMIGGIDKEQHTGDVHYIPVVKNTNPKTGSSAPAIEYNDTNTFGGVDESLYEGSITYTPVTTTYPASYYWG
UniRef90_F4P9E3 UniRef90_B6JXH0 UniRef90_G7YJR8 UniRef90_UP10003EAB8D5 UniRef90_F2E232	FSISLDQEQMMIGGIDKEQHTGDVHYIPVVKNTNPKTGSSAPALEYNDTNTFGGVDESLYEGSITYTPVTTTYPASYYWGEGDHSGAGEITFGGYNPARFSGDIEWLPVIPNTGYWDGMTLFLSENSGEFILGGYDEDKFTGNLQWLPISSNEPGFYGSYGEITSCGAMLTIGGIDRRYYRGSLHYIPVEDEHLWKFMILAASAGDTFYYVQLKGV
UniRef90_G8Y094 UniRef90_L8IT34 UniRef90_C0NPB3 UniRef90_I7ISI8	VEHGSAAGSKI IFGHDDALLAHPQLNYTAFAPTTDADTFY NSQEATEGTLIFGGVDKAKYDGPLVEFDLTGKANRNRDNY GAGLPVAGSGTNGGSLVDIWYTPIKEEWYYQIEILKLEIG AQAPGTYEF GTVDKRKFTGDIVDVPVDNSRGFWEFRV INIIQNSYLFIGGIDEQYYKGPVHMFPVAREHYWEVKDA
UniRef90_F0UEQ3 UniRef90_UPI0003AFF560 UniRef90_K5WQT6 UniRef90_E2AGL0	KK SKPGTFDFGFI DNDKYDGNI KYTPVHKGGFWSI TST SSNNQRGSAVTFGGVDTNHYSGSI TWIPLSNELY <mark>C</mark> QI TVD EPTTQESVTNTFGGTDSSKYTGDI NYIPLTRTSPASQYWG TDFKI TVFDNMI FQGI ISSHI FSFHI NRNSSFI NGGFFI
UniRef90_A4V8V9 UniRef90_K5VU73 UniRef90_M5Y6E8 UniRef90_S6EJR5	GPNDADAKASLIGGVDLAKRQGPVYKLDVLDPTTIAANEQ LFGGYDASKVEGDIAWNEFDQFTWAFNMDA RMYFGSEAVISGGRTPFLEGEDRYYYVTLIGISTGDQNVP NSPDAEEGSILFGAVDHSKYTGQLYTLPLVSQGSSAREFD NLQHQADGTFGFGFVDADQYTGEAYTDVDARDGFWSMTST
UniRef90_G3JMV5 UniRef90_A8WQ81 UniRef90_Q6C841 UniRef90_C5GUT5	NLQHQADGTFGFGFVDADQYTGEAYTDVDARDGFWSMTST EDYMD AGAIVYGGVDQKVCDKEVNFAPLADPTVWGYYV SSKGTVNNVYYGGYDRAKYQGPLTTLKCDHHNGYAMPLGG LKKNKPGTFDFGFIDDDKYNGNITYTPVYDSGFWSISTTG
UniRef90_UPI00044499F5 UniRef90_UPI00044165E1 UniRef90_K3XBE9 UniRef90_UPI00045FDAE4	QNGTIKAGSITIGGTDSSTYTGDIEFFDIVQAAHWVIQAD LAKNSGGSEIMFGGANKDHYSGPITYASVIRINSWTIKLD VDRDSDSVSTVEFGSDISPDAVVAPLLRNHQLDTFYYMLQ
UniRef90_UPI000455DAE1 UniRef90_JSRCV8 UniRef90_UPI0004407C75 UniRef90_C5DY49 UniRef90_K7L9Z2	E D Y M D A G A I V Y G G V D Q K V C D K E V N F A P L A D P T V W G Y Y V S S K G T V N N V Y Y G G Y D R A K Y Q G P L T T I K C D H H N G Y A M P L G G L K K N K P G T F D F G F I D D D K Y N G N I T Y T P V Y D S G F W S I S T T G D V E S V G I A L P L V A S P I G T S Q F I G N L T Y T A S S E G S W Y I Q N G T I K A G S I T I G G T D S S T Y T G D I E F F D I V Q A A H W V I Q A D L A K N S G G S E I M F G G A N K D H Y S G P L T Y A S V I R I N S W T L K L D V D R D S D S V S T V E F G S D I S P D A V V A P L R N H Q L D T F Y Y M L Q A P G S D T G G E L T G V N E T I V E G D V A Y V P L T S T S P A S Q Y W G G G L T S F D G G E L T G V N E T I V E G D P L P L E V R D I E G F W A A T L D A P T T S Q N G E M T F G G A D T S R T A G P I T F A P I T S T S P S S E F F G N S P D S N S G N I L F G A V D H S K Y S G N L Y T L P I V N T Y A D Q G V A P L S H P N L N F T S F V G G K E N P V D T F Y Y V Q I K S I M V G G E V L K I W Y Y E V V I V V R V E I N G Q D L K M D C K E Y N Y D K S I V D S G T T N L R L Y C L T D R E T D S T E G S S L V F G E A A V P P A G A R F T P Q D S N M R V P
UniRef90_UPI000273A843 UniRef90_A9RSN4 UniRef90_B9ILA4 UniRef90_F4P9G1	WYYEVVI VRVEINGQDLKMDCKEYNYDKSIVDSGTTNLRL YCLTDRETDSTEGSSLVFGEAAVPPAGARFTPQDSNMRVP PASPSSTGHLSFGVEVSQAAKSTPISPKLKQLYGLNTVGI VDGHVQSGVVTVGGVDPSLFKGDIRWFPAMLANGRHWSIP
UniRef90_UPI000189D103 UniRef90_B0DVH0 UniRef90_E2AIT5 UniRef90_B9ST28	V C T D RET D ST E G S S L V F G E A A V P P A G A R F T P Q D S N M R V P P A S P S S T G H L S F G V E V S Q A A K S T P I S P K L K Q L Y G L N T V G I V D G H V Q S G V V T V G G V D P S L F K G D I R W F P A M L A N G R H W S I P V D R D S G K S S T L E F N S P R P G D S V V A P L L K N Q K V N T F Y Y I V T Q P I N A T S P E I T W G G A D S S K Y T G Q I K T P I T N I F P A S A Y W G N R N T S A D G K L I F G G S D P A C Y E G D F T Y I P V L H I F T D K G Y W Q V D R D S D S A S T L E F N S A L L P H A I T A P L L R N R E L D T F Y Y V G M
UniRef90_W5FBU1 UniRef90_B8NS01 UniRef90_UPI00044496AA UniRef90_M5Y4R9	VDRDSDSASTLEFNSALLPHAITAPLLRNRELDTFYYVGM TSFLTPAPSRLSFGAMASLDSTNTSDGAPVQSTPFVLNPA SDLKKSFCTFGSIDEDAVRYCGHHHTPIDNSRGYWMFESP TFGGVDDSKIDGELTWVPQNTPYNVHWEFN VDRDSDSASTLEFNSPLHPNAVTAPLRRNPELDTFYYIGP LGPTSQLNGFTVGGLDTAHCDPNVNWVPLTSKTFWQLQLS
UniRef90_K7H7Q2 UniRef90_E0CP57 UniRef90_K3Y3M0 UniRef90_Q235M1	GMHVGGGAMVLGGI PPPPD MVFSRSDPYRSPYYNI ELIKEL YCLPSHNGTQGYLTLGSTPVSDKAAYTAMVQKPDYPSFYF EKAGKQNSSVTFGGYDDSKI VIGQI EYFKTVQQNTWFVIEFN
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UniRef90_Q6Z6Q8 UniRef90_Q230Z8 UniRef90_S6EDB0	VDHGSSVGSKI VFGDDDALLGHPRLNYTAFAPSAAAADT DMRYQKDISKLI LGGVNMKYGVENQVMVYHSIANSDSWDT NDPNGNSGSLLFGAVDPSKYSGKLYTFPMVNTYPNI VKVS

UniRef90_E3QWZ2 UniRef90_S2K0K0 UniRef90_O74664	210 220 230 240 RYWVNMQSYANSSMPVFLDSGATLTLLPEELANMAAADFG NGKTTFDANFKQNAQFVFDTGTTLSYLPMNIIEPLFAAAL DGTSISGSQVSDSFSAILDTGTTLLLLLPSNVASSVAQAYN
UniRef90_W6NSV8 UniRef90_J9J0X0 UniRef90_A0A022QU84 UniRef90_UPl00042AA603 UniRef90_V9DEN8	RYWVINMQSYANSSMPVFLDSGATLTLLPEELANMIAADFGNGKTTFDANFKQNAQFVEDTGTTLSYLPMNIIPLFAAAIDGGTSISGSQVSDSFSAILDTGTTLLLLLPEELANMIAADFGDGTSISGSQVSDSFSAILDTGTTLLLLLVQKIQQAIGWTFYGDHQLQPTVSNVIVDSGTSLIAGPPTLVQKIQQAIGWTFYGDHQLQPTVSNVIVDSGTSVTRLNRPAYVALRDAFPDEFIIGGEWCSDGCQGIVDTGTSLLTMPPQYLSDLLQTIGDDSEFITINGKKDNTAIVDTGTTLVIIPDELVAEIYSTIPGSDGSIDTFPSQPVAVAMDSGSSLSYLPDALAAKVYNSVDASFSYGSTTLATSATGIVDTGTTLIYIPTSAYNNFLSASGVDNPSAFKIADNGDGGVIVDSGTAVTRLKTDVYNTLLPSTNSAAAAAAAAATANAGRTAIMDTGTSFILIPPDAQAIHASVKDNFSTNSAAAAAAAATNNAGRTAIMDTGTSFILIPPDAQAIHASVKDNFSTNSAAAAAAAAATNNFLSAGGVIVDSGTTVLTYLTKDLYNRIVKGIINDTEDITSTISSYQDVLFDSGTTLLTYLTKDLYNRIVKGIINDTEDITSTISSYQDVLFDSGTTLLTYLTKDLYNRIVKGIINDTEDITSTISSYQDVLFDSGTTLLTYLTKDLYNRIVKGIINDTEDITSTISSYQDVLFDSGTTLLTYLTKDLYNRIVKGIINDTEDITSTISSYQDVLFDSGTTLLTYLTKDLYNRIVKGIINDTEDITSTISSYQDVLFDSGTTLLTYLTKDLYNRIVKGIINDTEDITSTISSYQDVLFDSGTTTLTYLTKDLYNRIVKGIINDTEDITSTISSYQDVLFDSGTTTLTYLTKDLYNRIVKGII
UniRef90_D4AIS3 UniRef90_N1PRY8 UniRef90_K4BXE2 UniRef90_M2V9E8	GSDGSIDTFPSQPVAVAMDSGSSLSYLPDALAAKVYNSVD ASFSYGSTTLATSATGIVDTGTTLIYIPTSAYNNFLSASG VNPSAFKIADNGDGGVIVDSGTAVTRLKTDVYNTLLPSTN SAAAAAATANAGRTAIMDTGTSFILIPEPDAQAIHASVK
UniRef90_UPI0003F0B762 UniRef90_I7M1J3 UniRef90_J9IUZ4 UniRef90_V2XF24 UniRef90_U5H8J9	ALYGTQSYYQKDTDQAIIDTGTSLIAVPDDEFQVLKKLWI ADNSTVDGKDTGIGRREADTGTTLFAAPRADVEKI <mark>H</mark> SLID GIAVNGAVVSGTSMQVAVDTGTTLIYVPVAVADKLYTSLN
UniRef90_UPI0003C8C6EB UniRef90_F4P9E2 UniRef90_G3J497 UniRef90_F7HL24 UniRef90_M5E6H0	K P S T Y R T A Y S P C W WV VN M D S I T F G G G A I P M P D T G T A Q L V L G Q Q L F D V V N Q Q M G A S F S Y G S T V L A S G A T G I V D T G T T L I Y I P S A A Y T K F L S A T G VT I D G V V V A C D G G C Q A I L D T G I F L L V G P G S D L L N I Q Q A I G G F W A T Q A S V N G V K I N A I V D S G S T I I T G P I D Q V R Q V F S K I G
UniRef90_M3AXS0 UniRef90_B5FVC3 UniRef90_A5DHF0 UniRef90_U7PVV4 UniRef90_F7VXS3	LNFITTVTAASVMSDGQEDSGSTAWQVPSNYYNRYIAPQFTIAVNGDIY PHPGIYHIDTGAESLHLPQKLFELVVRQFGSLSVGGQSVSLSGLNGVLDSGTTLSYIKKEEYYQLAAKLNRYWVNMKTYPNSKLQVFLDSGSTLTLLPSDLANAIAADFGKILSTDPSLSRTSTIAILDSGTTLSYLPTKITDQIHSKLN
UniRef90_U6NP46 UniRef90_E4MVP8 UniRef90_H3G4B0 UniRef90_V2XBM5 UniRef90_S8EJS9	SLSVGGQSVSLSGLNGVLDSGTILLSYLRKEEYYQLAAKLN RYWVNMKTYPNSKLQVFLDSGSTLTLLPSDLANAIAADFG KILSTDPSLSRTSTLAILDSGTTLSYLPTKITDQIHSKLN GIKINGQQIINGPVTAIVDSGTSLIAGPPALVQEIQQIIG IPSSLFEVDASGAGGVILDCGTAVTRLQTQAYNSLRDAFV DDFAIGGYRAYNSYQVISDTGTSWIGAPSDVFYNIVSQTK SPGISVNGRTTSGLMAIFDSGTSNMVFDTATTEALYALIP RCRTGPSISVTWPSTTIDTGTTLIYVPDSVASEFYQLVS IPASMFDIGADGKGGVIVDSGTAVTRLRTEVYTPYLRSAG QTNNQTFGESGVGVPVLIDTGVTSWIXAVTRLRTEVYTPYLRSAG
UniRef90_A0A022PXU2 UniRef90_W6ZUG8 UniRef90_K5VYA0 UniRef90_Q6CG77 UniRef90_UP10002B441D3	PASMFDIGADGKGGVI VDSGTAVITRLRTEVYTPYLRSAG QTNNQTFGESGVGVPVL I DTGVASWYVTKTI FGAVSYAFG DISYGQSQSLVTGSPGI VDTGTTL LMLATDVFQAYQKATG FFVTKNTNALDKTRHVL LDSGTTLTYVPTETYQTL I NALG IPETSFQMSEDGNGGI I VDSGTAVTRLQTTVYNVLRDAFV DYTFWSVELQDNKKPVI LDTGTTLSYVNRELADEI VKKVT INVTGATYGKTTVI PASYDTGTTL I YI ADNWFQTYLDSI P FGDMI VPVRKELSSQTIFDTGTTL I ALPSDMFTVMNTI MY
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UniRef90_I7ISI8 UniRef90_F0UEQ3 UniRef90_UPI0003AFF560 UniRef90_K5WQT6 UniRef90_E2AGL0	LYIDDIKFCCDEPSYLIFDSGTSFNTLPSHEIKKFFKRFPGYVIGNSGSNNTPIKGLLDTGTTMVLLPEPIVHDYHSKIPSVSGNGQAVACNDGCQAIVDTGTSMVLLPEPIVHDYHSKIPSVSGNGQAVACNDGCQAIVDTGTSMVUGPQSDIDNINAWLIDQSITYGSTSSSTAGIVDTGTTLTLIATDAFKSYQAATGGSDPAFYKGDFTYIPLSRKGFWQLSVDKILIEDINLCGKPNWIPVTSNYDNGTYALWDTGSPGWYVQQDLFDALYWGLAIYFGDSQISNDDFVFAYTDSGNIWLSLNIDSYLAVQKSVPLPVGIFNRTSDGEGGFMIDSGTTYTFLRSEAYDALIKALN
UniRef90_A4V8V9 UniRef90_K5VU73 UniRef90_M5Y6E8 UniRef90_S6EJR5 UniRef90_G3JMV5	PNWIPVTSNYDNGTYALWDTGSPGWYVQQDLFDALYWGLAIYFGDSQLSNDDFVFAYTDSGNIWLSLNIDSYLAVQKSVPLPVGIFNRTSDGEGGFMIDSGTTYTFLRSEAYDALIKALNVTLQGISVQNSSSQVQATDSGTTLMYLPATVADSVASQLGGYQIGDDDFVALEYSGVVDTGGSAFVVPTSAYNAWREQVPDGVSFGLYKRVGKQQAISTTGSGWTGMPSRDLTALVNITT
UniRef90_A8WQ81 UniRef90_Q6C841 UniRef90_C5GUT5 UniRef90_UPl00044499F5 UniRef90_UPl00044165E1	Y A L G N S T S N T S T P L K A F L D T G T T L M L L P E P L L N D Y S Q L P S O N L S Y D G T T F L S G S G L V D T G T L L V Y L A A G F F F A Y M A A T G
UniRef90_K3XBE9 UniRef90_WHD7L3 UniRef90_UPI000455DAE1 UniRef90_J5RCV8 UniRef90_UPI0004407C75	GMSVDGKLVSATSGVQAMMDTGTSLVVMPNASWSALADAL DVLVTGKRMTK HRRAIIEPGTQLIYAPGDEVDALASLVG IPSSSFEVDESGGGGIIDSGTAVTRLQTGIYNSLLEKAA LDQSISYGSTSDKTAGIVDTGTTLVLIASDAFQAYQKATG GLHVSGIPVELSTDVALFDSGDSYITLSPDDYASLMTALG IDQSISYGSGNADILSSTAGIVDTGTTLTLLATDAYNKYT REFDSNSTVSSDKTLALLDSGTTLMYLPTALADELAKSLG PEETWHLSAQGGGGGTIIDSGTTLTYFAEPAYEAFMRKIK PKKVFEAAVKSIKTASSTEKFPDGFWLGEQUVQAGTTP
UniRef90_C5DY49 UniRef90_K7L9Z2 UniRef90_UPI000273A843 UniRef90_A9RSN4 UniRef90_B9ILA4	REFDSNSTVSSDKTLALLDSGTTLMYLPTALADELLAKSLG PEETWHLSAQGGGGTIIDSGTTLTYFAEPAYEAFMKKIK PKKVFEAAVKSLKTASSTEKFPDGFWLGEQLVCWQAGTTP TFYYLKMTGISGNGGVIIDSGTSVTRLQNAAYASLRDAFA SVRGRELPINGSISRTIIDSGTTFTFLPSPTYSALGSAF
UniRef90_F4P9G1 UniRef90_UP1000189D103 UniRef90_B0DVH0 UniRef90_E2AIT5 UniRef90_B9ST28	T F Y Y L K M T G L S G N G G V I D S G T S V T R L Q N A A Y A S L R D A F A S V R G R E L P L N G S L S R T I I D S G T T F T F L P S P T Y S A L G S A F L T N L P T Q K D L F S P P L I I I D S G S T Y N F L P R F M F D P L I H F Q A V P P E T F A V D Q S G A G G V I V D S G T A I T R L R T Q A Y N S N L R P A E L N Q S L R Y G V S T A G I V D T G T T L I L L A T D A F N R Y S S A T G F I L D S I Q I N E N F T L C E A S C Y A T V D T S A W K I L G P E K V S S I N I P E S M F E M D E S G N G G L L I D S G T A V T R L Q T A A Y N A L R D A F V
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UniRef90_E0CP57 UniRef90_K3Y3M0 UniRef90_Q235M1 UniRef90_W7MLQ6 UniRef90_K9ITZ2	HVAGKPLKLSPSTFDRKHDSGTTYAYLPEEAFVAFRDALI VYVLPVPPTVFTSAGTLLDSGTLLTYLPEQAYMKQYKPAP DFEVDGVNVFSQVNYALIDTSSPLFQFNPNIAEKF QAIL AVGKSSFNSKKKVGEVIVDSGTYLIYLPEAVVNDYYSHIK KLEIGGQSLNLDCREYNADKGTTLLRLPQKVFDAVVEAWT TKFAIDDQTFENPSDAIADTGTSLLLVDQCVLENSFDEN
UniRef90_E4ZRH6 UniRef90_B2B3U9 UniRef90_Q6Z6Q8 UniRef90_Q230Z8 UniRef90_S6EDB0	T K F A II D D Q T F E N P S D A II A D T G T S L L L V D Q E V A E A Y Y S Q V E V S T Y E Y S T M P A L L D T G S T WS Y L P Q H L F N S L E D D F N F Y Y V Q W D V G K D G S G G T I I D S G T T L S Y F A E P A Y E V I R R A F V V K F N D K N I K Q K D S K I A I I D S G S S N I V L P R E D Y N Y L L K Y L T R N K N Q Q Q T F T N T K S A V L L D S G T S L M A A P Q E L V A K M A H F L S

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Interest	UniRef90 E30W72	
All	UniRef90_S2K0K0	GNNNY FOLIR CSMAQQNI ITI QFMMSPSANVI DTI YPMDT DY
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Milesepo	UniRef90_VV6N3V6	RAYNNLYACLCTDSEYETYPDFRI QI DDI QYSI YKENYVM
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A	UniRef90_N1PRY8	GKTDSSSGL ASYTTKPTRNFALKFGSTTYTLTPAQYLV
A	UniRef90_M2V9E8	DHVQSGETFFVPCDTKASFNKVAYNLSSQDWLGEKVEGQG
James	UniRef90_UPI0003F0B762	T P G F WT G A E L MC Y G E D V T P WQL F P S F S P K Q Y M R K V D D V S N
A K K Y A D G S Y T Y J P		QVEPNLQCSSQICYTVGSCSSLVTKMKPLKFKFDDKYYYN
June 2019	UniRef90_V2XF24	GTSTDEFGREHVPCD TNATVALSFGGLSFEIDSRDLVF
June 490 June 490		AKKYADGSYIVPC AAAFQILGLSFGGKILYNILPLADLFL
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Junkergo	UniRef90_M5E6H0	GILIQIFIEQGQFAIYD <mark>U</mark> NIIPGIIII MNFGGKDFKFSKDQIGY
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JAMES JAME	UniRef90_S8EJS9	SSSFYPGGFYTYPCDTALAVTL TFGGRAFGIDPTDFNS
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Junkelgo JP100028441034 JUNKelgo SSEXC4 GA TY D G N N F M K P F T Y Y A D E P F I'L DV E A Q E Y M W Q N T A W G I'L R F D S S K S K V E V P Y Y A D E P F I'L DV E A Q E Y M W Q N T A W G I'L R F D S S K S K V E V P Y Y A D E P F I'L DV E A Q E Y M W Q N T A W G I'L R F D S S K S K V E V P Y Y A D E P F I'L DV E A Q E Y M W Q N T A W G I'L R F S S Q S V E V E V P T I'L R Y Y A D E P F I'L DV E A Q E Y M W Q N T A W G I'L R F S S Q S V E V E V E V E V E V E V E V E V E V	UniRef90_K5VYA0	ATNDQTTGLLKLTEEQDNLQSLFFNLGGTTFELTANAQIW
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Junkel90 G8/NH0 Junkel	UniRef90_S2J3H2	NKTYTVDCDLKNSGMKVELAFSSASDQPVRLEIDMQDLIL
Junkel90 G8/NH0 Junkel	UniRef90_58FXC4 UniRef90_F4P9E3	A E L D P V G G M Y K D C K H A T T L P P V T L F F G G K P Y M M T W S E Q I L
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Jinkef90 LyP10003AFF560 Jinkef90 SkWQT6 Jinkef90 E2AGL0 Jinkef90 E2AGL0 Jinkef90 E2AGL0 Jinkef90 E2AGL0 Jinkef90 E2AGL0 Jinkef90 E3AWQ91 Jinkef90 KSVU73 GG Q A N V T G D S A L G P E K H L G F N N V L G T V N V P L S P N A Q W P D A N A S L A D L P S L S P N V P L S P N A Q W P D N D T L F V D C K R R E P S D D D S A V N V P L S P N A Q W P D N D T L F V D C K R R E P S D D D S A V N V P L S P N A Q W P D N D T L F V D C K R R E P S D D D S A V N V P L S S V M D V M D M S M	UniRef90_1/1518 UniRef90_F0UEQ3	GNPFILNGWLIFPCNATILIOSESILLVIENDYRATILIPILLIOPEYIVL
JAINSTEPS DAVID D	UniRef90_UPI0003AFF560	GASSQNGEYIVNCSNLGQMPDATFNINGNQFTLPASAYVY
JAINSTEPS DAVIS N		GCOANI VITGDSAILIGPEKHI QFI NNI VIGTVNVNGDERLP
JAIRE190_MSY6E8 JAIRE190_GSUR5 JAIRE190_GSUR5 JAIRE190_A8WQ81 JAIRE190_A8WQ81 JAIRE190_A8WQ81 JAIRE190_A8WQ81 JAIRE190_A8WQ81 JAIRE190_JCSCUT5	UniRef90_A4V8V9	NPDPND III IEIVID CKEREPSDDSII IAIVINII IGGII VIENIVIPII IS SIVIPII I
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JniRef90	UniRef90_Q6C841	G N GIVIY E P G Y F K C K C D T N PIV VITIL IN F G Y T DII IDII IDIL IK P Y MIL IP S
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JniRef90	UniRef90_UPI00044165E1	DAKEDNTSGILI VIAD <mark>C</mark> SSEII IPTIVIAII IRII IGGKDYNEAPEDYDM
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UniRef90_W6ZUG8	FADGT CGI FMHPREESISI FGDPFMRAWY TI FDQENKI TF	
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UniRef90_UPI0002B441D3	PVDSTFCFAFAPTDSTLSILGNAQQQGTRVGFDLANSVGF	
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UniRef90_S6EJR5 UniRef90_G3JMV5	QSDDVSVLGILRTDSERALLGDVFLVDAYVVYDLEDEISL KNDKGGYSVTLYNGGDEA <u>TF</u> GSP <u>SM</u> TAAYVVFDKGPRLGW	
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UniRef90_ UniRef90	_Q6C841 _C5GUT5	ARQA
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