QUERY	1
UniRef90_F6SQ46 UniRef90_G3VHT8 UniRef90_L5LXE3	A K V A S E P L T N F L D S Q Y F G K I Y I G T P P Q E F T V V F D T G S S N L V A S E P L F N Y L D C Q Y F G K I S I G T P P Q E F T V V F D T G S S D L
UniRef90_A0A026VXU6	PSPEPLSNYLDAQYYGVISIGTPPQEFKVIFDTGSANL
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UniRef90_G1KN80	AEVAGEPLMNYLDTEYYGTINIGTPPQAFTVVFDTGSSNL
UniRef90_UPI00033349A1	VASEPLMNYLDNEYFGKI YI GTPPQEFTVVFDTGSSDL
UniRef90_G3HAY9	STNEPLINYLDVEYFGTI SI GSPPQNFTVI FDTGSSNL
UniRef90_D3TMW6	PEPLSNYLDAQYYGPI SI GTPSQDFKVVFDTGSSNL
UniRef90_E0VMS3	GPTPEPLSNYLDAQYYGPISIGTPPQQFKVIFDTGSSNL
UniRef90_E9IL23	SSTEPLSNYLDAQYYGEITIGTPPQKFKVIFDTGSSNL
UniRef90_Q9GK11	VAREPLTSYLDSQYFGKIYIGTPPQEFTVVFDTGSSDL
UniRef90_U3JCU9 UniRef90_UPI0002C45225 UniRef90_Q800A0	T N E P L I 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 VA S E P L T N Y L D S Q Y F G K I Y I G T P P Q E F T V V F D T G S S D L T A S E P L M N Y L D V E Y F G Q I S I G T P P Q Q F T V I F D T G S S N L
UniRef90_UPI0003F0918D	GVASEPLTNYLDCQYFGKISIGNPPQEFTVVFDTGSSDL
UniRef90_UPI0003C2B4B6	SQGVSEPLLNYFDVTYYGTIYIGTPPQEFTVVFDTGSSNL
UniRef90_L5JXS5	SANEPLINYLDMEYFGTISVGSPPQNFTVIFDTGSSNL
UniRef90_G6CNN8 UniRef90_UPI00032B0081 UniRef90_H0VCH6	VANEAMTNYLDLQYFGKI QI GTPPQEFTVLFDTGSSNL GPVPEPLSNYMDAQYYGEI GI GTPPQEFTVLFDTGSSNL
UniRef90_K7J796	ADPVPEPLSNYLDAQYYGEII GII GSPMQKFTVIFDTGSSNL
UniRef90_UPI0003D088DA	SQGVSEPLLNYLDTEYYGTI YII GTPPQEFSVVFDTGSSNL
UniRef90_U3JKE3	GVATFPLLNAII DVFYYGTI SII GTPPQDFTVVFDTGSSNL
UniRef90_Q8WR56 UniRef90_W5M2V9 UniRef90_R4WRW4	GPAPEPILSNYLDAQYFGPIISIIGNPPQKFKVVFDTGSSNLIGPFPETILKNYLDAQYYGEIIGIIGTPPQLFTVVFDTGSSNLIGPFPEPIJSNYLDAQYYGPIISIIGSPPQSFRVVFDTGSSNLI
UniRef90_W4WY81 UniRef90_A0A044RC12 UniRef90_R0JA02	T P E PIL IS N Y L D A Q Y Y G V I SII G T P S Q N F K V I F D T G S S N L I A G E T D E V L K N Y M D A Q Y Y G E II SII G T P P Q N F S V I F D T G S S N L I V V A F P II I N T I D M F Y Y G T I S II G T P P Q N F T V V F D T G S S N II
UniRef90_S8EKF6 UniRef90_A7RH56 UniRef90_UPI0003317215	K G G H T V P L S N Y L N A Q Y F A E II T L G S P P Q S F K V V L D T G S S N L V P E P L I N Y M D A Q Y Y G E II T II G T P P Q K F T V V F D T G S S N L I S P P Q T P P Q K F T V V F D T G S S N L I S P P Q T P P Q T P P Q T P P P Q T P P P Q T P P P P
UniRef90_C3UTE0 UniRef90_S9Z0C4 UniRef90_T1PE98	A GPFPEPLKNYLDA QYYGDI TL GTPPQVFRVVFDTGSSNL TQPLRNYLDLVYLADI SI GTPPQNFKVVFDTGSSNL TTKENLLNYVDDSYYGKI TI GTPPQEFLVLFDTGSSNL
UniRef90_UPI0003C2A66A	EPLINSLDAEYFGTI YI GTPPQEFSVVFDTGSSNL
UniRef90_C3XQC3	GTTPESLKNFMDVQYYGVI SLGTPPQDFNVI FDTGSSNL
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UniRef90_I1G2K9	VPEPLTNYLDAEYYGNI TI GTPPQNFLVI FDTGSSNL
UniRef90_H2U4L2	PTPETILKNYLDAQYYGEII GLIGTPPQPFTVVFDTGSSNL
UniRef90_Q9GMY8	SANQPLVNYMDMEYFGTII SII GTPPQEFTVI FDTGSSNL
UniRef90_Q27951	WASWPLITNYLDSQYFGKI YLIGTPPQFFTVI FDTGSSNP
UniRef90_U4USP0 UniRef90_U4USP0 UniRef90_G3X7I3	NYDYLYLGNITIGTPPQPFIVLFDTGSSLL NYDYLYLGNITIGTPPQPFIVLFDTGSSLL SKLTLHPLRNYLDLAYVGNITIGTPPQEFRVVFDTGSANL
UniRef90_A8NXK7	VPLTNFMNAQYYTEITLGTPPQTFKVILDTGSSNL
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UniRef90_H9GJA6	ANEPLLNYFDVEYFGEISIGTPPQNFTVLFDTGSSNL
UniRef90_Q9JKE6	VTYEPMRNYLDLVYLGLISIGTPPQEFRVVLDTGSSVL
UniRef90_X1XAF6	EPLSNYLDAQYYGPI TI GTPPQPFNVVFDTGSSNL
UniRef90_A0A034VVC0	VANEQLSNYEDDQYYGPI TI GTPPQNFNVLFDSGSSNL
UniRef90_H2Y0H5	ANAAPEPLTNYLDAQYYGKI YI GTPPQPFTVVFDTGSSNL
UniRef90_Q6R6N4	SKTAL PLRNFLDFAYVGTI TI GTPPQEFRV I FDTGSANL
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UniRef90_G3PYU1	PTPEALKNYLDAQYYGEI GLGTPPQTFAV VFDTGSSNL
UniRef90_W8BC89 UniRef90_F6RFS6 UniRef90_UPI0002C626FE	T D E QL H N Y L D D S Y Y G P I T I G T P P Q N F Q V L F D T G S S N F A G T T T E Y L V D Y M N A Q Y Y G E I S V G T P P Q N F S V V F D T G S S N F S G V T F E P M R N Y L D L A Y V G L I S I G T P P Q E F K V I F D T G S A D M
UniRef90_UPI0002C626FE UniRef90_B2WNK4 UniRef90_UPI00033437B6 UniRef90_F2TYL4	GTHPVPVTNFLNAQYFSEISLGTPPQTFKVILDTGSSNL TFTPLRNYQDMAYVGNISVGTPPQSFKVIFDTGSSEL TNVPIYNFEDAQYYGEITIGTPPQRFKVVFDTGSSNL
UniRef90_UPI0003330365 UniRef90_C1G194 UniRef90_P27822	K G P V P E M L K N Y M D A Q Y Y G E II GII GT P P Q C F T V V F D T G S S N L S G G H S V L V D N F L N A Q Y F S E II S II G T P P Q T F K V V L D T G S S N L T E T L E N Y L D T E Y F G T II G II G T P A Q D F T V I F D T G S S N L
UniRef90_P27822 UniRef90_UPI000388FB06 UniRef90_H2WAY4 UniRef90_A0A034VZG4	VAYEAL VNYLDMSYYGAI SI GTPPQSFLVLFDTGSSNL GEIDELLRNYMDAQYFGTI SI GTPPQNFTVI FDTGSSNL TSEQLSNYLDDQYYGPI TI GTPPQNFNVLFDTGSSNL
UniRef90_UPI00044083EC	GGHKVPLSDFMNVQYFTNVTLGSPPQEFRVI LDTGSSNL
UniRef90_B4L830	EELSNSLNMAYYGAITIGTPPQNFKVLFDSGSSNL
UniRef90_I1C131 UniRef90_UPI0003C25C0F UniRef90_B9X0K9	A T E P M T N Y M D M E Y Y G T S G T P A Q Q F T V L F D T G S S N L P S P E P L T N Y L D A Q Y Y G P S G T P P Q N F N V I F D T G S S N L
UniRef90_A8WGW3	PTPEAL KNYLDAQYYGEI GL GSPPQNFTVVFDTGSSNL
UniRef90_Q9DEC4	EPLQNYMDLEYFGTI SI GTPPQSFTVI FDTGSSNL

QUERY UniRef90 F6SQ46	WVFAGGS	50 60 70 80 S S N N S G H N V Y N S A A S S A S A T L S T G K W S I A Y A A G A C N S D A C Q N H H R F N P A S S T T F R S T Q E P L S I Q Y G T G
UniRef90_G3VHT8 UniRef90_L5LXE3 UniRef90_A0A026VXU6	WV PSVY WV PSVY WV PSKQ	<mark>C</mark>
UniRef90_W5JA18 UniRef90_G1KN80 UniRef90_UPl00033349A1	WV PSKQ WV PSTY WV PSVY	CSFTNIACHNKYDAKKSSTFEKNGTAFHIQYGTG CSDAPCQNHPRFDPSQSSTFENTQQTMSIQYGTG CSSGPCQNHHRFDPSKSSTFQNLSKPMFVLYGTG
UniRef90_G3HAY9 UniRef90_D3TMW6	WV PSVY WV PSKQ	T S P A C R K L R K E D L A F L G T G T Q E S E N L I Q R T F V Q C Y F T N L A C L M H N K Y D A N K S Y K K N G T E F A L H Y G S G
UniRef90_E0VMS3 UniRef90_E9IL23 UniRef90_Q9GK11	WI PSKK WVPSKK WVPSIY	CLFSNI ACHNKYDSSRSSTYLRNGTEFSI QYGSG CRYTNI ACHNKYDSRKSLTYQKNGTPFAI RYGTG CKSNVCKNHHRFDPRKSSTFRNLGKPLSI HYGTG
UniRef90_U3JCU9 UniRef90_UPI0002C45225 UniRef90_Q800A0	W V P S V Y 0 W V P S I Y 0	OVS K A C A A H T R F Q P T Q S S T Y Q V I G T P F S I Q Y G T G C N S D A C Q N H H R F N P S K A S T I Q N M G H P L T S Q Y G T G C T S Q A C T K H N R Y R P S E S T T Y V S N G E A F F I Q Y G T G
UniRef90_UPI0003F0918D UniRef90_UPI0003C2B4B6 UniRef90_L5JXS5	WV PSVY WV PSVY	C
UniRef90_G6CNN8 UniRef90_UPI00032B0081 UniRef90_H0VCH6	WVPSKK PSIYCK: WVPCKM	<mark>C</mark>
UniRef90_K7J796 UniRef90_UPI0003D088DA UniRef90_U3JKE3	WVPSKK WLPSTN WVPSVS	CHLTNIA CLLHNKYDSRKSKSYKANGTDFSIRYG CKSAACQNHRRFDPSKSSTYHGTGTSI SI QYGTS CSSLACQTHQVFDPSQSSTYKSTGLSLSI HYGTG
UniRef90_Q8WR56 UniRef90_W5M2V9 UniRef90_R4WRW4	WV P S K K WV P S I H WV P S K K	CHYTNIA CHNKYDSSKSSTYKKNGTDFSIKYGSG CSFTDIA CLLHHKYNKSSTYVKNGTAFAI QYGSG CNIA CWVHRKYDSKKSSTYKEDGRKFAI QYGSGS
UniRef90_W4WY81 UniRef90_A0A044RC12 UniRef90_R0JA02	WV PSKK WI PSI K WV PSVS	C S M T N I A C L N M L H N K Y N S E K S S T Y Q K N G T K F A I R C P F L D I A C L L H N K Y K G T E S K T Y K S D G R K I E I Q Y G C A S P A C Q S H Q M F N P S Q S S T Y R S T G Q N L S I H Y G T G
UniRef90_S8EKF6 UniRef90_A7RH56	WV PSTK	CTS [A CF [H T K Y D S S S S T Y K A N G T E F S Q Y G S G C S W T N [A C L L H D K Y D S T K T Y K K N G T E F A R Y G S G
UniRef90_UPI0003317215 UniRef90_C3UTE0 UniRef90_S9Z0C4	VV V 1 O 1 O	o contraction in the contraction of the contraction
UniRef90_T1PE98 UniRef90_UPI0003C2A66A UniRef90_C3XQC3	WV PSV K	CNNLACQNHHTYNPSASSSYVANGEPFYI AYGSG CQSEACQNHQRFDPSKSSTYHGTGTSI SI QYGLG CEGAACANHQRYNHSKS <mark>C</mark> TYKADGRPLKI TYGSG
UniRef90_P00791 UniRef90_P07339 UniRef90_UPI0003C26EB0	WVPSIH WVPSVY	C
UniRef90_I1G2K9 UniRef90_H2U4L2 UniRef90_Q9GMY8	WI PKCD WVPSVH WVPSIY RKSSTF	CSLLDLACLLHHKYNSAKSSSYVKNDTKFALQYGTG CSLLDLACLLHHKYNSAKSSSYVKNGTAFALRYS CSSPACSNHNRFDPQKSSTFKPTSQTVSLAYGTG QNLGKPLSLHYGTGSMQGLLGYDTVTVS
UniRef90_Q27951 UniRef90_U4USP0 UniRef90_U4USP0	RKSSTF WVPSKRS WVPSKRS	S S A R N S A
UniRef90_G3X7I3 UniRef90_A8NXK7 UniRef90_G9D325	\/\/\\/\ \\/\ \\/\\\\\\\\\\\\\\\\\\\\\	· C D A C V
UniRef90_I3N9H0 UniRef90_UPI0002C435B9 UniRef90_M3WZ94	WV P S L S WV P S I Y WV P S V D	CTSIACFLHTKYDSSQSTTYKANGTEFSIQYGSGCDLACLLHKKYDSSQSTTYKANGTEFSIQYGSGSCNSEACKNHHRFDPTESSTFQNLSKPLLVLYATGCYSPACAHHNVFNPLRSSTFQFLGQPLSLSYGTGCKSYACKTHHRFDPSKSSTFQNLNEPLSIQYGTGCKSYACKTHHRFDPSKSSTFQNLNEPLSIQYGTGCKSYACKTHHRFDPSKSSTFQNLNEPLSIQYGTGCKSYACKTHHRFDPSKSSTFQNLNEPLSIQYGTGCKSYACKTHTKYDSSSSSSYKANGSAFSIQYGSG
UniRef90_W4KDV1 UniRef90_UPI000395CB77 UniRef90_V9N1V7	WV PST DOWN PSK Q	CTS A CF HTKY DSSSSSSYKANGSAFSI QY GSGCKSPACFNHAKFKASDSATFTPSGQSSTVSY GSGCHFTN A CLIHNKY DSRKSSTYKKNGTEFAL QY SCTSKACTNHARFQPSRSSTY QPLGLPLSL QY GTGCTSKACTNHARFQPSRSSTY QPLGLPLSL QY GTG
UniRef90_G1MWJ2 UniRef90_C3UTC4	WV PSI Y WI PSHK WV PSAQ	CTSKACTNHARFQPSRSSTYQPLGLPLSLQYGTGCKNVACRTHNQYNSDKSSTYTSNGTDFSITYGSGCTSLACFLHAKYDSSSSASYKANGTEFSIQYGTGCHYSNLACHNKYDASKSSTYKKNGEKFAIQYGSG
UniRef90_UPI000455CDD3 UniRef90_C3YUT2 UniRef90_S2K255	WV PSAQ WV PSKK WV PSTH	CHYSNIA CHNKYDASKSSTYKKNGTEFSI QTGTG CHYSNIA CHNKYDASKSSTYKKNGEKFAI QYGSG
UniRef90_UPI00029DA90D UniRef90_M1VYR0 UniRef90_P56272	WV PSVY WV PSQS WV SSSH	CNSTACFMHRRYDSTQSETYRENGTEFAI QYGTG CNSDACQNHQRFDPSKSSTXQNMGKSLSI QYGTG CSSTACYLHNKYDSSSSSTYEKNGTQFEI RYGSG CSSTACYLHNKYDSSSSSTYEKNGTQFEI RYGSG CSAQACSNHNKFKPRQSSTYVETGKTVDLLTYGTG
UniRef90_H9GJA6 UniRef90_Q9JKE6 UniRef90_X1XAF6	WIVIPSKO	CSAQACSNHNKFKPRQSSTYVETGKTVDLTYGTG CASKACVEHSRFHPTESSTYNEVGTSFSIHYGTG CSSPACAHHKAFNPLRSSTFLVSGRPVNVAYGSG CSVLNIACMLHNKYNMAKSTTYQKNGTEFSLHYS
UniRef90_A0A034VVC0 UniRef90_H2Y0H5 UniRef90_Q6R6N4	WPCAANI WVPSVH WVPSIT	O T A 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 E D T V C A I T D I A C L I H N K Y K A S E S S S Y K S N G T S F A I Q Y G C E S P A C K T H N T F N P Q N S S S F R E A G R P I T I Y Y G S G
UniRef90_UPI000386FDD2 UniRef90_G3PYU1 UniRef90_W8BC89	WVPSIH WVPSIH PKGPCTI	CESPACKTHNTFNPQNSSSFREAGRPITI YYGSG CVSKACAAHNQFQPVQSSTYQAVGTPFSI EYGTG CSFTDIACLLHHKYNKSSSYVKNGTAFAI QYGSG CSNQACQNHNSYDANKSSTYKANGEAFSI QYGSG
UniRef90_F6RFS6 UniRef90_UPI0002C626FE UniRef90_B2WNK4	WV PSSY WV PSIY WV PSSS	OSNQACQNHNSYDANKSSTYKANGEAFSI QYGSG CLSEACQVHERFKSFESTSYEHGGRPFSI HYGTG CTSQACAKHNTFNPLRSSTFVASGQPINLAYGTG CNSI ACYLHTKYDSSSSSTYKKNGTEFEI RYGSG CSSLACTNHQVFNPEPSSTFQTSYKTFRI LYSSG CKSLACTNHQVFNPEPSSTFQTSYKTFRI LYSSG
UniRef90_UPI00033437B6 UniRef90_F2TYL4 UniRef90_UPI0003330365	WV PSI Y WV PSI H	CSSLACTNHQVFNPEPSSTFQTSYKTFRILLYSSG CKSLACDLHHKYDSSQSSTYFPNGTKFALEYGSG CKLLDLACWLHHKYNSGKSSTYVVKNGTSFDLHYG
UniRef90_C1G194 UniRef90_P27822 UniRef90_UPI000388FB06	WV P S A Q Q WV P S T Y	CKLLDIIA CWIHHKYNSGKSSTYVKNGTSFDIIHYG CMSLACFLHNKYDSSVSSTHRKNGTEFAI RYGSG CSSAACSVHNQFNPEDSSTFQATSESLSI TYGTG
UniRef90_H2WAY4 UniRef90_A0A034VZG4	WV PS KK WV PG A P WV PS TK	QSQACTTHTLFNPNDSSTYSSNGQTFSLQYGSG CPFYDLACMLHHRYDSKSSSTYKEDGRKMALQYG ASTDEACLTHNTYDSSSTYQANGQSFALAYGSG
UniRef90_UPI00044083EC UniRef90_B4L830 UniRef90_I1C131	WV PSTK WV PSTH	RSFGCSKHVKYNSSVSSTYQENGTDIHI KYGSGCPSYACEVHNQYDSSASSTYEANGESFSI QYGTGCMSFACLMHRRYSSSKSTTYRKNETDFVI RYGSG
UniRef90_UPI0003C25C0F UniRef90_B9X0K9 UniRef90_A8WGW3	WVPSVY WVPSVH	
UniRef90_Q9DEC4	W V P S V Y (CSSPACTNHHMFNPQQSSTFQATNTPVS QYGTG

QUERY	12 12 13 13 14 15 15 15 15 15 15 15	0
UniRef90_F6SQ46 UniRef90_G3VHT8	S MEGV LGY DTVTVS QI VVPDQI FTQEPGET FTYSEFDGI L S MEGV LGY DTVI VSSI VDPDQI FGLSTQEPGNI FTYSEFD	
UniRef90_L5LXE3 UniRef90_A0A026VXU6	S M E G V L G T D T V I V S D I V D R Q Q T V G L S T Q E P G D V F T Y S Q S L S G F L S T D V V T V A G L N V R D Q T F A E A L S E P F V A A K F D G L L	
UniRef90_W5JA18 UniRef90_G1KN80	SLSGYLSTDTVTVGGVAVDKQTFAEALQEPGLVFVAAKFD SMQGLLGYDTLTVTGITVPKQEFALSSSEPGVFFTYVPFD	
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UniRef90_D3TMW6 UniRef90_E0VMS3	S L S G Y L S T D T V N I A G L G I E G Q T F A E A L S E P G L V F L G A K F D S L S G Y L S T D D V T L G G L T I K R Q T F A E A I S E P F V A A K F D G I L	
UniRef90_E9IL23 UniRef90_Q9GK11 UniRef90_U3JCU9	S L S G Y L S T D D V T L G G L T I K R Q T F A E A I S E P F V A A K F D G I L S L S G F L S T D V V N V A G L N V Q N Q T F A E A V S E P F V A A K F D G I L S M E G F L G Y D T V T V S N I V D P N Q T V T E Q P G E V F T Y S E F D G I L S L T G I I G S D Q V A V Q G L T V S N Q Q F A E S V S E P G K A F L D A E F D	
UniRef90_UPI0002C45225 UniRef90_Q800A0	NI QGFL GYDTVTVS DI VDP QQTVGLSTQE PGNVFTYAKFM NLTGI LGI DQVTVQGI TVQSQTFAESVSE PGSTFQDSNYP	
UniRef90_UPI0003F0918D UniRef90_UPI0003C2B4B6	SMQGFLGYDTVTVSDIVDRHQTVGLSTKEPGFVFTYSEFD SMDGVVGSDTVLVSSIIDTNQQLALSTSEPGDFFTYTSFD	
UniRef90_L5JXS5 UniRef90_G6CNN8	SÜSGLÍGA DQVSVEGLÍTVVSQQFGESVTEPGQTFVNA EFD SLSGFLSVDDVTLGGMTVKSQTFA EAMSEPGLA FVA AKFD	
UniRef90_UPI00032B0081 UniRef90_H0VCH6	SLSGFLSVDDVTLGGMTVKSQTFAEAMSEPGLAFVAAKFD FLGYDTVTVSGIVDTHQTVGLSTKEPGDAFTYSEFDGIMG LSGYLSQDTVSVPCKSSNSSVKVSKQTFGEATKQPGIVFV	
UniRef90_K7J796 UniRef90_UPI0003D088DA	SGSLSGFLSTDVVTIAGVDVKDTTFAEAMSEPGLAFVAAK MAGVVGYDTVLVSSFSNTNQQLALSTXXPGPLFFYSNFDG	
UniRef90_U3JKE3 UniRef90_Q8WR56	E ME GTVG C DTVTVA S L VDT S QL F GL S T A E P G R F F V D V R F D S L S G F L S T D V V T V G S L A V K D Q T F A E A M S E P G L A F V A A K F D	
UniRef90_W5M2V9 UniRef90_R4WRW4	LSG FLSQDILSVDRQLFGKQPGVAFLAAKFDGLL LSG FLSKDTLSVGGTNVKDQVFAEAVNEPGMTFVAAKFD	
UniRef90_W4WY81 UniRef90_A0A044RC12 UniRef90_R0JA02	SLSGFLSTDVVTVGSLAVKDQTFAEAMSEPGLAFVAAKFDSLSGYLSQDTCKIGDLSVDRQLFGKQPGVAFIAAKFDGIL LSG FLSKDTLSVGGTNVKDQVFAEAVNEPGMTFVAAKFD YSEDVVSVSHYLVAGLAVQHQIFAEATTSEPGVTFIMAK DMEGIVGCDIVTVASLMDTNQLFGLSTTEPGQFFVHVKFD	
UniRef90_R0JA02 UniRef90_S8EKF6 UniRef90_A7RH56	S ME G F V S Q D T V T V A S L M D T N Q D F A E A T K E P G L A F A F G K F D S L S G F L S L D T V S V G G I D V K G Q T F A E A L K E P G L T F K F D G L L S L S G I I G A D H V T V E G L T V V G Q Q F G E S V T E P G N T F A N A E F D	
UniRef90_UPI0003317215 UniRef90_C3UTE0	SLSGIIGADHVTVEGLTVVGQQFGESVTEPGNTFANAEFD SVKGVLSADMFGLGNVTVRSQTFAEIIDEKFDGILGLGYP	
UniRef90_S9Z0C4 UniRef90_T1PE98	K Í Á G F L G Y D T V R Í G N L V Í G S Q Á F G M S Q K E P G Í F L E H Á V F D S L S G Y L V Q D T V T V E G L TI K N Q V F T N E P G N S F T Y S P F D G I L	
UniRef90_UPI0003C2A66A UniRef90_C3XQC3	SMDGVVGSDTVLVSSLIDTNQQLALSTSEPGPFFTYTKFD SLSGFLSQDVVMIGSIVIKNQTFGEATNEPGSAFATGKFD	
UniRef90_P00791 UniRef90_P07339	SMTGILGYDTVQVGGISDTNQIFETEPGSFLYYAPFDGIL SASALGGVKVERQVFGEATKQPGITFIAAKFDGILGMAYP	
UniRef90_UPI0003C26EB0 UniRef90_I1G2K9	SMTGFLAYDII HVGGIPVTHQIFGLSESEPGPFLSYASFD NLTGFLSVDTVTIANLTVPAQKFVEQPGDTFVNAQFDGIL	
UniRef90_H2U4L2 UniRef90_Q9GMY8	NLT GFLSVDTVT I ANLTVP A QKFVE QPGDT FVN A QFDG I L LSGYLSQDTCTKQLFGEAIKQPGI A FI A A KFDG I LGMA YP SMTGVLGYDTVQVAGI A DTNQIFGLSQSEPGSFLYYSPFD NI LDIQQTVGLSTQEPGDVFTYA EFDG I LGM	
UniRef90_Q27951 UniRef90_U4USP0	NI LDI QQTVGLSTQEPGDVFTYAEFDGILGM DVNGVLSNDVANVAGLTASGQTFGEDLSHLPPDIHFDGIL	
UniRef90_U4USP0 UniRef90_G3X7I3	DVNGVLSNDVANVAGILTASGQTFGEDLSHLPPDIHFDGILITUQGFLGSDTVRIGNLVSLKQSFGLSQEEYGFDGAPFDGV	
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UniRef90_M3W294 UniRef90_W4KDV1 UniRef90_UPI000395CB77	T Q G F C G S D T V R G N V S K Q S F G S Q E E Y G F D G A P F D G V S M E G F V S Q D T L G G D T K G Q D F A E A K E P G A F A F G K F D L S G Y L S Q D T C E N Q L F G E A K Q P G A F A F A A K F D G L G M A Y P V U G F C G H D T V T V S D L V D P H Q T V G S T Q E P G D F T Y S E F D S M G F L A S D T V K V T G P E V V Q E F G S Q E P G Q F M D S V P F D S M Q G F L G D T V T V S S V D P Q Q T V G S T Q E P G N V F T Y S E F D S M Q G F L G D T V T V S S V D P Q Q T V G S T Q E P G N V F T Y S E F D S M E G F V S H D H L K F G D L L I K E Q A F A E A T K E P G A F A F G K F D S V T V L G S D T L R Q S I T V T N Q A F G S Q D E P T Q P F Y F A D F D S S G Y L S T D I V K D Q T F A E V V L S E P G M A F V A A K F D G I L G M A Y D S L K G F L S S D I V E V A G L T V K D Q I F A E S V S E P G K A F Q D S E F D S L K G F L S S D I V E V A G L T V K D Q I F A E A T K E P G L T F A F G K F D S L S G F L 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 K F D G I L S L E G F I S Q D T L R V G G I K V E D Q G F A E S V K E P G F T F K F D G I F S M R G I L G Y D T V T V S N I V D P H Q T V G L S T E E P G D I F T Y S E F D G M R G I L G Q D T V S V G G G S D P N Q E L G E S Q T E P G P F Q A A A P F D G M R G I L G Q D T V S V G G G S D P N Q E L G E S Q T E P G P F Q A A A P F D	
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UniRef90_A0A034VVC0 UniRef90_H2Y0H5 UniRef90_Q6R6N4	SGSLSGYVSSDIVSIAGVKSKNQLFAEATKEPGLTFVAAK	
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UniRef90_G3F101 UniRef90_W8BC89 UniRef90_F6RFS6	SLSGYLVEDNVNVAGLSITTGQTFAVATSEPGTTFVDSEFD QLVGVTGRDTLRISNMSIFGQDFGSI FPGRTFV AQY	
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UniRef90_UPI00044083EC UniRef90_B4L830	D M E GIL VIS K DIV VITII G DIL KII ID G Q D F T K D P G P A F A F G K F D G I F S L S G F L S T D T V D V N G L S I K K Q T F T N E P G T N F N N A N F D G I L	
UniRef90_I1C131 UniRef90_UPI0003C25C0F	S M R G L L G Y D T V T V S N I V D P H Q T V G L S T E E P G D I F T Y S E F D S L S G F V S N D V M S I G D L K L K K Q D F A E A T A E P G L A F A F G K F D G M R G I L G Q D T V S V G G G S D P N Q E L G E S Q T E P G P F Q A A A P F D S L T G I I G M D S V T V E G I T V T N Q Q F A E S V S E P G K T F L D S E F D E M S G F L A Y D T V R I G D L T V V A Q A F G L S L E E P G I L M E Y A G F D L N S G F L A Y D T V R I G D L T V V A Q A F G L S L E E P G I L M E Y A Q F A E S V S E P G K T F L D S E F D E M S G F L A Y D T V R I G D L T V V A Q A F G L S L E E P G I L F V A A K F D G I L S C S C S L S G Y V S S D I 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 D G I L S C S G S L S G Y V S S D I 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 D S E F D S L S C S C	
UniRef90_B9X0K9 UniRef90_A8WGW3	SILIS G Y LIS I D SILIS V G S V Q V K D Q T F G E A II K E P F II A A K F D G II L S L S G Y L S K D T V T II G N L A V K G Q II F V K Q P G V T F V A A K F D G II L	
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QUERY	GLAFSSINTVQGSQNLFFVQGKSLAQTPLFSVYLAHQQGV
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UniRef90_W5JA18 UniRef90_G1KN80 UniRef90_UPI00033349A1	GI A Y S S I S V D G V T P V F Y N M F N Q H K I D E P V F S F Y L N R D G G E G I G Y P S I A V S D V T P V F D N M M N E G L V Q E N L F S V Y L G R T G S I G Y P S L A S R Y S V P V F D N M M D R H L V A Q D L F S V Y M S R N D Y G S M
UniRef90_G3HAY9 UniRef90_D3TMW6 UniRef90_E0VMS3 UniRef90_E9IL23	GLGVSSI AVDGVKPPFYQMYEQGLI SQPVFSFYLNRDGGE GMGYMSI AVDGVVPPFYNMYEQGLI SQPVFSFYLNRNGGE GMGYSTI SVDGVTPVFYNMVKQKLVPQPI FSFYLNRNGGE
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UniRef90_Q800A0 UniRef90_UPl0003F0918D UniRef90_UPl0003C2B4B6 UniRef90_L5JXS5	G V A Y P D A A V G G V T P V F D N MM N Q H L V A H D L F S V Y M S R N E H G S M G V A Y P D A A V G G L T P V F D N M M N Q N L V Q Q D V F S V Y L S K D G S A G I G Y P S L A V G G V T P V F D N M M A Q N L V D V P M F S V Y M S S D G S E
UniRef90_G6CNN8 UniRef90_UPI00032B0081 UniRef90_H0VCH6	GILGMAFIAVDGVTPVFDNMVKQGLVAPVFSFYLNRQGGEMGYPSITASPYSVPVFDNLMDKHLVAQDLFSVYLSREGSMAAAYPRISVNNVLPVFDNLMEQKLVEKNIFSFYLNRDGGE
UniRef90_K7J796 UniRef90_UPl0003D088DA UniRef90_U3JKE3 UniRef90_Q8WR56	L G M A Y P D R I P P V F Y N M V K Q N L V P Q P I F S F Y L I N R D G G E L G M A Y P D Q L F P V F D N M M T K N V V Q Q P L F S V Y L S Q D Q T G S V G I G Y P S L A A D G I T P V F D N L V N Q S L L Q E N L F S V Y L S R F G S V E Y P W H G L Q Q D L G S P F F Y N M I T Q G L V S Q P V F S F Y L I N R D G G E
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UniRef90_A0A044RC12 UniRef90_R0JA02 UniRef90_S8EKF6 UniRef90_A7RH56	GI GY P S L A A D G I T P V F D N L V N E S L L E Q N L F S V Y L S C E G S V G L A Y N S I S V N H I T P P F Y N M I D Q D L V D S P V F S F R L E E D G G E G M G F S S I S V D Q V V P V F Y D M V L Q K L V P A P V F S F Y L N R E P G A
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UniRef90_U4USP0 UniRef90_G3X7I3 UniRef90_A8NXK7 UniRef90_G9D325	GL GYPALESSRVMPFFNNL I DQGVVPEPVFSFYLNRDGGELGLAFPCISTKGAPIFDNLWSRGAFSEPVFAFYLKPEGSVYDTISVNRIVPPFYNMINQKLIDSPVFAFRIGSSEEDGGERISVDGVLPVFDNIMQQKKVESNVFSFYLNRNPDTAPGGEGYPALASEGSVPVFDNMMNRHLLAQDLFSVYMSRTGQGSM
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UniRef90_W4KDV1 UniRef90_UPI000395CB77 UniRef90_V9N1V7 UniRef90_G1MWJ2	GI GYDTLSVNHITPPFYEMVNQGLIDEPVFSFRLEEDGGEGILGMAYPSLAEGMLEQNQLAEPIFSFYFSRQPTYEYGGERIAVDGVTPVFYNMVSQKLVPAPVFSFYPNRDPSAPEGGEGIAVDGVTPVFDNMMAQDLVELPIFSVYMSANPDSSLGGE
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UniRef90_S2K2S5 UniRef90_UPI00029DA90D UniRef90_M1VYR0 UniRef90_P56272	GLGYDTISVKQTVPPFYHMTNKNLVDEQLFSFWLNDNGGEGYPSLASEXSVPVFDNTMPRHLVAQDLFSVYMSRNDQGSMGYDSISVNNIVPPFYNMVKQKLLDEPVFAFYLGSSEEGSMGIAYPSIAAAGAVPVFDNMGSQSLVEKDLFSFYLSGNGSEGIAYPSLAVDGVTPVFDNMAQNLVELPLFSVYLSRNGGEGIGYPNLGLQGITPVFDNLWLQGLIPQNLFAFYLDEKGSM
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UniRef90_H2Y0H5 UniRef90_Q6R6N4 UniRef90_UPI000386FDD2	F M G Y P E I S V N G I T P V F N Q M F K Q E A L A H N Q F S F Y L N R D G G E F P T I A I E G T I P I F D N L W F Y G A F S E P V F A F Y L S K S K P E G S V G I A Y P S L A V D G V T P V F D N M M A Q N L V E L P M F S F Y L G K N G G E G M A Y P R I S V D G V P P V F D N I M S Q K M V E K N V F S F Y L N R N G G E
UniRef90_G3PYU1 UniRef90_W8BC89 UniRef90_F6RFS6 UniRef90_UPI0002C626FE	SLAVAGAVPVFDRI VNQKL VEQQLFSFHLNRDYDSEYGGE
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UniRef90_H2WAY4 UniRef90_A0A034VZG4 UniRef90_UPl00044083EC UniRef90_B4L830	F D G I L G M A Y P E I T P V F N T L F D Q K K V P S N V F S F W L N R N G G E Q I A V D N V V P P F Y N L Y T Q G L I D S P V F A F Y L T S N G T S T Q G G E G L G Y D T I S V N H I T P P F Y S M V N Q G L L D A P V Y S F R F E D D G G E G M G Y Q S I S Q D N V V P P F Y N M V S Q D L I D Q S V F S F Y L A R Q G G E G L G Y D T I S V Q Q T V P P F Y N M L N K K L I D Q E I F S F W L N N L G G E
UniRef90_I1C131 UniRef90_UPI0003C25C0F UniRef90_B9X0K9	GMAYPRI SVDGVTPVFYNMIDQNLVAAPI FSFYLNRDGGE
UniRef90_A8WGW3 UniRef90_Q9DEC4	G MAY PVI SVD GVPPVFD NI MAQKL VESNI FSFYLNRNPD TGIAFPSLASSQATPVFD N MWNQGLIPQDLFSVYLSSQGSF

OUEDV	170 180 190 200 V D F O THE COUNTY TO THE COUNTY TO SEE THE COUNTY TO SE THE COUNTY TO SEE THE COUNTY TO SE THE COUNTY TO SE THE COUNTY TO SE THE COUNTY TO
QUERY UniRef90_F6SQ46 UniRef90 G3VHT8	Y D F G L I D S S A Y T G S L N Y T G VA S Q G F W S F N V D S Y T A G S G S T L I L G A I D P S Y Y T G S L H W V P V T E Q G Y W Q F S V D S I T V N G Q V V L T L G A I D S S Y Y T G S L H W V P V T E Q G Y W Q F S V D R I T V N G Q V V L T L G A I D S S Y Y T G S L H W V P I T V Q G Y W Q F S V D R I T V N G Q V V L T L G A I D P S Y Y T G S L H W V P I T V Q G Y W Q F T V D R V T V D G V V V M I L G G S D P E H Y E G E F T Y V P V T R K G Y W Q F T V D R V T V D G V V V M I L G G S D P E H Y E G E F T Y V P V T R K G Y W Q F T V D S I L V N G E I A L T L G A I D Q S Y Y T G S L H W V P V T V Q G Y W Q F T V D S I T V N G E I V V L T L G A I D Q S Y Y T G S L H W V P V T V Q G Y W Q F T V D S I T V N G E I V V M I T F G G G D P S H F S G N L N W I P V T K Q G Y W Q F T V D S I T V N G E I V V M I T 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 I K M D S A S M G N L N L L L G G S D P N H Y K G E F T Y L P V T R K A Y W Q F T M D G D S S P S H I L L L G G S D P N H Y K G E F T Y L P V T R K A Y W Q F T M D G D S S P S H I L L L G G S D P S Y Y T G S L H W V P V T L Q Q Y W Q F T V D S I T V N Q V V A A L L F G G F D S S R F T G T L N W V P V T Q Q G Y W Q F T V D S I T V D G V V V V V V U G G G F D T S R F S G Q L N W V P V T Q Q G Y W Q F T V D S I T V D G V V V V V U G G G F D T S R F S G Q L N W V P V T Q Q G Y W Q F T V D S I T V D G V V V V V V U G G G F D T S R F S G Q L N W V P V T V Q E Y W Q F T V D S I T V D G V V V V V V U G G G F D S S Y Y T G S L H W V P V T Q E G Y W Q F T L D R V T V D G G A V I F L V L G G G D D S K Y Y E G D L H W V P V T Q E G Y W Q F T L D R V T V D G E V V L G G G D D S K Y Y K G S F T Y L N V T R K A Y W Q F K M D K I T I G D K L F L T L G G I D S K Y Y K G S F T Y L N V T R K A Y W Q F K M D K I T I G D K L F L T L G G I D S K Y Y K G S F T Y L N V T R K A Y W Q F K M D K I T I G D K L F L T L G G I D S S C F T G P I N W I P V S Y Q G Y W Q I S M D S I L V S G Q E V L L G G G D D S K Y Y K G S F T Y L N V T R K A Y W Q F K M D K I T I G D K L F L T L G G I D S S C F T
UniRef90_L5LXE3	LTLGALDPSYYTGSLHWVPITVQEYWQFTVDRVTVDGVVV
UniRef90_A0A026VXU6 UniRef90_W5JA18	I FGGSDSSHYTGDFTYL PVSRKAY WQFKMDSVKVGESEF
UniRef90_G1KN80 UniRef90_UPI00033349A1	LTLGALDQSYYTGPLHWVPVTVQGYWQFTVDSITVNGEVV
UniRef90_G3HAY9 UniRef90_D3TMW6	L
UniRef90_E0VMS3 UniRef90_E9IL23	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 K V M M E D L T V M L G G S D P E H Y V G S M T Y V D V T R K G Y W Q F T M D G D S S P S H I L
UniRef90_Q9GK11 UniRef90_U3JCU9	LTLGADPSYYTGSLHWVPVTLQQYWQFTVDSVTINVAVA LLFGGFDSSRFTGTLNWVPVTQQGYWQIQDNIQLGGTVTF
UniRef90_UPI0002C45225 UniRef90_Q800A0	LTLGAINSSYYMGSL <mark>H</mark> WVPVLVQEYWQFTV <mark>HSIT</mark> VDG <u>V</u> VV
UniRef90_UPI0003F0918D UniRef90_UPI0003C2B4B6	LTLGATOPSYYTGSLHWVPVTVQEYWQFTVDSITVDGVVV
UniRef90_L5JXS5 UniRef90_G6CNN8	LIFGGYDHSHFSGSLNWVPVTKQGYWQLADTTQVGGAVIF
UniRef90_UPI00032B0081	LTLGGIDSKYYEGDLHWVPVTQEGYWQFTLDRVTVDGEVV
UniRef90_H0VCH6 UniRef90_K7J796	LVLGGIDSKYYKGSFTYLNVTRKAYWQVHMDQLQVGSETL MILGGSDSAHYTGDFTYVPVSRKAYWQFKMDKITIGDKLF
UniRef90_UPI0003D088DA UniRef90_U3JKE3	VILGGIDESYCTGPIHWIPVPYQSYWQISMDSIIVNGKVI VIFGGIDESCFTGPINWIPVSYQGYWQISMDSILVSSQEV
UniRef90_Q8WR56 UniRef90_W5M2V9	L S L G G S D P K Y Y K G N F T Y L S V D R Q A Y W Q F K M D K L Q L G K T V F L L L G G T D P K Y Y T G D F Q Y L N V T R Q A Y W Q L H L D G M S V G S Q L T
UniRef90_R4WRW4 UniRef90_W4WY81	V
UniRef90_A0A044RC12 UniRef90_R0JA02	T
UniRef90_S8EKF6 UniRef90_A7RH56	A F G G D S S A Y S G D H Y V P V R R K A Y W E V E L E E V A L G G D S L S P G G E S D P K Y Y K G N F S Y V P V T Q E G Y W Q F K M D G S V K E G S F
UniRef90_UPI0003317215 UniRef90_C3UTE0	L T F G G Y D H S H F S G S L N WV P V T K Q G Y WQ L A L D S I Q V G G T V M V L F G G L D K A H Y T G N I T Y V P V T R K G Y WQ F H M D G V T V G T N A T
UniRef90_S9Z0C4 UniRef90_T1PE98	VMFGGLDHSYYKGELKWVPVSQRLYWQDSMDSLTMNGKTG
UniRef90_UPI0003C2A66A UniRef90_C3XQC3	VIFGGIDESYFTGPLHWIPVSYQRYWQIPLDSIIVNGKVI
UniRef90_P00791	V L L G G L D S S Y Y T G S L N WV P V S V E G Y WQ L T L D S L T M D G E T L
UniRef90_P07339 UniRef90_UPI0003C26EB0	V MFGGUDSSYYSGSLKWIPLSAETYWQUTVDRISMNGQAI
UniRef90_H2U4L2	L AL G G T D P S H Y K A P L N Y V P L S D K T Y W Q F K L D K L K V G G T T L L L G G T D P K Y Y T G D F D Y V N V T R Q A Y W Q L H M D G M S V G S Q L S
UniRef90_Q9GMY8 UniRef90_Q27951	V L L G G T D S S Y Y T G S L N WV P V S V E G Y WQ I T I D S I T M D G E T I L M L G G T D S K Y Y K G S L S Y L N V T R K A Y WQ V H L D Q V E V A S G L T V M F G G I D S S Y Y S G S L K W I P L S A E T Y WQ I T V D R I S M N G Q A I L A L G G T D P S H Y K A P L N Y V P L S D K T Y WQ F K L D K I K V G G T T L L L L G G T D P K Y Y T G D F D Y V N V T R Q A Y WQ I H M D G M S V G S Q L S V M F G G I D S S Y Y T G S L N W V P L S S E G Y WQ I T V D S I T M N Q S I A L T L G A I D P S Y Y T G S L N W V P L S S E G Y WQ I T V D S V T I S G V V V L I L G G S D P N Y Y T G N F T Y V P V T R R A Y WE I K L D N V K V R N K S L V M F G G V D H R Y Y K G E L N W I P V S Q P R H W I S M N H I S M N G N I V A A T F G G I D H E A Y T G K L H Y V P V R R K A Y W E V E L E K I S F G D D E L T S G G T T C S C T S T C S C S C T T C S C S C
UniRef90_U4USP0 UniRef90_U4USP0	LILGGSDPNYYTGNFTYVPVVRRAYWEIKLDNVKVRNKSL LILGGSDPNYYTGNFTYVPVVRRAYWEIKLDNVKVRNKSL VMFGGVDHRYYKGELNWIPVSQPRHWISMNHISMNGNIVA
UniRef90_G3X7I3 UniRef90_A8NXK7	VMF G G V D H R Y Y K G E L N WI P V S Q P R H W S M N H I S M N G N V A A T F G G L D H E A Y T G K L H Y V P V R R K A Y W E V E L E K I S F G D D E L
UniRef90_G9D325 UniRef90_I3N9H0	L
UniRef90_UPI0002C435B9 UniRef90_M3WZ94	V M F G G V D P A Y Y K G E L N W V P V T R P F F W Q F T V S S I S M N G A V I L T L G A I D P S Y Y T G S L H W V P V T V Q E Y W Q F T V D R V T V N G V V V
UniRef90_W4KDV1 UniRef90_UPI000395CB77	VMFGGUDHEAYTGKLHYVPVRRKAYWEVELEKISFGDDEL LLGGTDPTYYTGEFNYVNVTRQAYWQVSMDELAVGSQLT LTLGAIDTSYYVGSLDWVPVTLQKYWQFAVDRITISGVVV VMFGGVDPAYYKGELNWVPVTLQKYWQFTVVSSISMNGAVI LTLGAIDPSYYTGSLHWVPVTVQEYWQFTVDRVTVNGVV AVFGGIDTSAYTGKIDYVPVRRKAYWEVELEKVSFGDDQL LILGGSDPKYYKGDFTYVSVDREGYWQFKMDGMKMNDVPF VLFGGSDPKYYTGDFTYVPVTRKGYWQIQLDNVQVGGTVV
UniRef90_V9N1V7 UniRef90_G1MWJ2	LILGGSDPKYYKGDFTYVSVDREGYWQFKMDGMKMNDVPF
UniRef90_C3UTC4 UniRef90_UPI000455CDD3	I VFGGSDPKYYTGDFTYLPVTRKGYWQIKMDKAVVDSNTL AVFGGIDHSAYTGDIEYVPVRRKAYWEVELEKVSFGGDEL LILGGADPNYYTGDFTFLDVTRKGYWQFKMDGINVGGSTF
UniRef90_C3YUT2 UniRef90_S2K2S5	LILGGADPNYYTGDFTFLDVTRKGYWQFKMDGINVGGSTF
UniRef90_UPI00029DA90D UniRef90_M1VYR0	L VFGGVDPDHFHGNIT WSPIRRKGY WEIELENIKFGDEYILTLRAIDLSYYTGSLHWIPMTXQEYWQFTVDSVIIDGMVVATFGGLDKSHYTGKLEYIPLRRKAYWEVDINSIAFGDEVA
UniRef90_P56272 UniRef90_H9GJA6	VMLGGVDNSHYTGSI H WI PVT A E K Y WQV AL DGI TVNGQTA
UniRef90_Q9JKE6	VMLGGVDNSHYTGSI HWI PVTAEKYWQVALDGI TVNGQTA LIFGGYDPSLFSGNLNWI PVSKKGYWQI QLDNI QVGGTIA LMLGGVDPSYYHGELHWVPVSKKGYWQI QLDNI QVGGTIA LMLGGVDPSYYHGELHWVPVSKPSYWQLAVDSI SMNGEVI I I FGGSDPEKYTGPFTYVPVTLEGYWQFGLDEVI VGNTSI LTLGGYDTTHFIGDDTYTPVTLEGYWQFNVESI TI GTSTA LYLGGVDTKKFTGSFSYHPVTVKGYWQI SMDSV SVGSSTS
UniRef90_X1XAF6 UniRef90_A0A034VVC0	LTLGGYDTTHELGDLTYTPVTLEGYWQFNVESITIGTSTA
UniRef90_H2Y0H5 UniRef90_Q6R6N4	VMFGGVDHRYYKGELNWVPVSQTRHWQISMDSVSVGSSTS
UniRef90_UPI000386FDD2 UniRef90_G3PYU1	VMFGGVDHRYYKGELNWVPVSQTRHWQISMNRITMNENVVVVIFGGFDPSRFMGTLNWVPVTQQGYWQIQDNIQLNGTVVFLLLLGGTDPKYYTGDFSYVNVSRQAYWQLHMDGMSVGDQSL
UniRef90_W8BC89 UniRef90_F6RFS6	LTLGGIDSDHYEGEITYVPVSSKGYWQFNIDSVFVGGVEF LIFGGIDHSLYKGQIHWIPLTEKGYWQIRLDNVKVDGEAM VMFGGVDPSYYTGELRWVPVSKCTYWQISMDSISMNGKVV
UniRef90_UPI0002C626FE UniRef90_B2WNK4	VMFGGVDPSYYTGELRWVPVSKCTYWQISMDSISMNGKVV ATFGGIDESKYTGKMLKLPLRRKAYWEVELDALTFGKE <u>TA</u>
UniRef90_UPI00033437B6 UniRef90_F2TYL4	V M F G G V D P T V V T G E L K W V P V S R P L V WO L T M D S L S M N G E V V
UniRef90_UPI0003330365 UniRef90_C1G194	LTLGGYDPKHMSGPIQWVPLTRDGYWQFAMDS LSVNGDS LMLGGIDSKYYKGELSYLNVTRMAYWQVHMERVDVANGTL ATFGGIDESHFTGELTTISLRRRAYWEVDLDAIIFGNEMA VMFGGIDSSYYTGSLNWVPVSYEGYWQITLDSLTMDGETI LLFGGIDSNLHSGQIVWTPVTQDAYWQIGIEGFSVDGQST ITFGGVDSRRYVEPITYTPVTRKGYWQFKMDKVVGSGVLG
UniRef90_P27822 UniRef90_UPI000388FB06	VMFGGI DSSYYTGSL N WVPVSYEGY WQI TL DSI TMDGETI L LFGGI DSNLHSGQI VWTPVTQDAY WOLIGI FGFSVDGOST
UniRef90_H2WAY4 UniRef90_A0A034VZG4	
UniRef90_UPI00044083EC UniRef90_B4L830	VVFGGLDESAYSGELNYAPVRSREHWEVELPKYAFGDKEF
UniRef90_I1C131	LAFGGIDEARFSGNITWSPVTRKGYWEIELQNTKFNDQPM
UniRef90_UPI0003C25C0F UniRef90_B9X0K9	V V F G G I D E S A Y S G E I N Y A P V R S R E H WE V E I P K Y A F G D K E F L I F G G S D S S L Y S G D F T Y V P I S Q E G Y W Q F T M A G A S V E G Y S 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 N T K F N D Q P M V M F G G I H Q S C Y S G S L N W I P L S A E T Y W Q I T V D S I T M G G Q V A I I L G G S D P N Y Y E G D F T Y L P V D R Q A Y W Q F K M D S V Q V A D Q S L Q P G G E T D P K Y Y T G D F H Y L S V T R K A Y W Q I H M D Q L G V G C Q V T V C C C Y D T S V T C D F H Y L S V T R K A Y W Q I H M D Q L G V G C C Q V T V C C C Y D T S V T G D F H Y L S V T R K A Y W Q I H M D Q L G V G C C Q V T V C C C Y D T S V T G D F H Y L S V T R K A Y W Q I H M D Q L G V G C C Q V T V C C C Y D T S V T G D F H Y L S V T R K A Y W Q I H M D Q L G V G C C Q V T V C C C C C C C C C C C C C C C C C
UniRef90_A8WGW3 UniRef90_Q9DEC4	V LF G G V D T S Y Y T G N L N WV P L T A E T Y WQL T V D S L S L G G Q V I

	210 220 <u>23</u> 0 240
QUERY UniRef90_F6SQ46	I G D V S S G I A D T G T T V L Y L P T S V V S A Y Y S Q V S G A T D S A A G G A C E G G C Q A I L D T G T S L L V G P S Y D I A N I Q S I I G A T Q G Q Y G E
UniRef90_G3VHT8	A CD G G C Q A L D T G T S L L V G P S Y D I S N Q S V L G A T Q G Q Y G E
UniRef90_L5LXE3 UniRef90_A0A026VXU6	A C D G G C Q A I L D T G T S M L V G P S S D I L S I Q K A I G A T E D Q Y G M
UniRef90_W5JA18	C A S G C Q A A D T G T S L A G P T E D A A N S E G A T T G G E C N N G C E A A D T G T S L A G P V A E V T A N K A G G T P L N G E Y
UniRef90_G1KN80	CSDGCQALVDTGTSLVAGPPSDLSNLQNALGATPGQYGQY
UniRef90_UPI00033349A1 UniRef90 G3HAY9	A
UniRef90_D3TMW6	CQGGCQVI ADTGTS LIALPPSEATS INKA IGG <u>T</u> PIMGGQY
UniRef90_E0VMS3 UniRef90_E9IL23	C R G G C Q A A D T G T S L A G P V E D V N K L N G V P V S G G E C K N T C Q A A D T G T S L A G P T V E N E L N K Q L G A T M L G G Q A V
UniRef90_Q9GK11	CVGGCQAILDTGTSVLFGPSSDILKIQMAI GATENRYGE
UniRef90_U3JCU9 UniRef90_UPI0002C45225	C A G G C Q A V D T G T S L I A G P T K E V K E L Q N L I G A S V D G E Y A V A C D G S C Q A I L D T G T S L L V G P G S N I L N I Q K V I G A T Q G Q Y G E
UniRef90_Q800A0	FCDGCQAIVDTGTSLITGPSGDIEQLQNYIGVTNTNGEYG
UniRef90_UPI0003F0918D	ACYGGCQI LDTGTSLLAGPASDI LNI QKVI GATQGQYGQY
UniRef90_UPI0003C2B4B6 UniRef90 L5JXS5	CSEGCOAL VIDTGT SIL I TGPSEEL KOLOKALIGAEPTNGEYV
UniRef90_G6CNN8	CKRGCQAIADTGTSLIGGPVEEVAALNAKI GATPMAFGQ
UniRef90_UPI00032B0081 UniRef90_H0VCH6	CK G G C F ALL VID T G T SIL L VIG PIVID FIVIK FILIQK ALL G ALL P G G F Y MIL
UniRef90_K7J796	CENGCEALADTGTSLIAGPVGELEGINKKI GATPIVAGE
UniRef90_UPI0003D088DA UniRef90_U3JKE3	ACAGGCQAI VIDIGISILLIAGPAADIVI_NILIQKII I GATPGQHGQ
UniRef90_Q8WR56	CKSGCQAIADTGTSTVAGPVDEVTSTNKLIGGTPITGGEY
UniRef90_W5M2V9 UniRef90_R4WRW4	CKGGCCAI VDTGTSILITGPAEEVKALQKAI GALPLIQGE
UniRef90_W4WY81	F C D G C Q A I V D T G T S L I T G P S G D I E Q L Q N Y I G V T N T N G E Y G A C Y G G C Q I L D T G T S L L A G P A S D I L N I Q K V I G A T Q G Q Y G Q Y C E S G C Q A I V D T G T T L L V G S S P D V S S I Q K V I G A I P V P Y G L C S E G C Q A I V D T G T S L I T G P S E E I K Q L Q K A I G A E P T N G E Y V V C K R G C Q A I A D T G T S L I V G P D S D I R H I Q R A I G A T P M A F G Q C K D G C Q A I L D T G T S L L V G P V D E V K E L Q K A I G A T P I V A G E C K G G C E A I V D T G T S L L V G P V D E V K E L Q K A I G A T P I V A G E C E S G C Q A I V D T G T S L L A G P P A A D V I N L Q K I I G A T P G Q H G Q A C A G G C Q A I A D T G T S L V A G P P S G I R S I Q N V L G A R R G M Y G E C K S G C Q A I A D T G T S L V A G P P S G I R S I Q N V L G A R R G M Y G E C K S G C Q A I A D T G T S L V A G P P S G I R S I Q N V L G A R R G M Y G E C K G G C E A I V D T G T S L V A G P P S G I R S I Q N V L G A R R G M Y G E C K G G C E A I A D T G T S L I A G P T S E I K D I N E M I G A S I G G E A M V C A N G C Q A I A D T G T S L I A G P T S E I K D I N E M I G A S I G G E A M V C A N G C Q A I A D T G T S L I A G P T S E I K D I N E M I G A S I G G E A M V C A N G C Q A I A D T G T S L I A G P T S E I K D I N E M I G A S I G G E A M V T Y G E E M E N A G A A I D T G T S L I A G P P S D I S D I Q S A I G A R Q N T Y G E E M E N A G A A I D T G T S L I A G P T S E I E K L N N I I G A K K I I G G E Y A F C Q G C Q A I V D T G T S L I A G P T A E I K Q L Q R A I G A A P F L A G E Y F C Q G C Q A I V D T G T S L I A G P T A E I Q K L N M A I G A A P F L A G E Y F C Q G C Q A I V D T G T S L I A G P T A E I Q K L N M A I G A A P F L A G E Y F C Q G C Q A I V D T G T S L I A G P T A E I Q K L N M A I G A A P F L A G E Y F C Q G C Q A I V D T G T S L I A G P T A E I Q K L N M A I G A A P F L A G E Y F C Q G C Q A I V D T G T S L I A G P T A E I Q K L N M A I G A A P F L A G E Y F C Q G C Q A I V D T G T S L I A G P T A E I Q K L N M A I G A A P F L A G E Y F C Q G C Q A I V D T G T S L I A G P T A E I Q K
UniRef90_A0A044RC12	CANGCQAI ADTGTSLIAGPKSQVDKIQQYIGAEYVYEYII
UniRef90_R0JA02 UniRef90_S8EKF6	E M E N A G A A I D T G T S L I A L P T D L A E M I N T Q I G A T K S W N G Q Y
UniRef90_A7RH56	CSDGCQAIADTGTSLIAGPTDEIEKLNNLIGAKLIGGEY
UniRef90_UPI0003317215 UniRef90_C3UTE0	FCNGGCFI ADTGT SILI I GPSKEI KQILQRAI GAQQ <u>VDGEYA</u>
UniRef90_S9Z0C4	CKGGCQAI VDTGTAV L VGPTNVVTNI QKAI N ARPLTGYE
UniRef90_T1PE98 UniRef90_UPI0003C2A66A	QGI ADTGTSLLVVPFYQYESI QAAVGATFSDEFGA
UniRef90_C3XQC3	CAGGCQAT VDTGTSLIAGPSEETHKLQAAT GSQQLSPGQ
UniRef90_P00791 UniRef90_P07339	F C Q G C Q A I V D T G T S L I T G P S K E I K Q L Q R A I G A Q Q V D G E Y A F C N G G C E I A D T G T S L I A G P T A E I Q K L N M A I G A A P F L A G E Y C K G G C Q A I V D T G T A V L V G P T N V V T N I Q K A I N A R P L T G Y E V C N N C Q G I A D T G T S L L V V P F Y Q Y E S I Q A A V G A T F S D E F G A A C E S G C Q T I V D T G T S L L A G P S P D I S N I W K V I G A T P G Q Y G Q C A G G C Q A I V D T G T S L L A G P S E E I H K L Q A A I G S Q Q I S P G Q A C S G C Q I V D T G T S L L T G P T S A I A N I Q S D I G A S E N S D G E M C K E G C E A L V D T G T S L M V G P V D E V R E L Q K A I G A V P Q G E Y M I A C G N G C Q A I A D T G T S L L A G P P D A V S S I Q S L I G A K N T D G V Y M C K S G C E A I V D T G T S L L T G P S E E V K A L Q K A I G A M P L I Q G E C N G G C Q A I D T G T S L L S G P T N A I A N I Q S K I G A S Q N S Q G Q A C E G G C Q A I L D T G T S K L V G P S S D I L N I Q Q A I G A T Q N Q Y G E L P Y G G S V V I D T G S N A M S G P I S P V F A L H E S L G F T W D Y G F V I
UniRef90_UPI0003C26EB0	ACGNGCQAIIDTGTSLWVGFVDEVKELQKAIGAVFQGETWIL
UniRef90_I1G2K9	C S N G C Q A I A D T G T S L L V G P S V D V Q K I M K E I G A K N T D G V Y M
UniRef90_H2U4L2 UniRef90_Q9GMY8	CNGGCQAII VIDTGTSILLII GPSEEIVIKAILIQKAII GAMPILTIQGE
UniRef90_Q27951	ACEGGCQAI LDTGTSKLVGPSSDILNIQQAIGATQNQYGE
UniRef90_U4USP0 UniRef90_U4USP0	L P Y G G S V V I D T G S N A M S G P I S P V F A L H E S L G F T W D Y G F V I L P Y G G S V V I D T G S N A M S G P I S P V F A L H E S L G F T W D Y G F V I C S H G C Q A F V D T G T S L I Y G P T D L V T N I N K L M N A R L E N S E
UniRef90_G3X7I3	CSHGCQAFVDTGTSLIYGPTDLVTNINKLMNA RLENSE
UniRef90_A8NXK7 UniRef90_G9D325	ELEHTGAAIDTGTSLIALPTDMAEMLNTQI GARKSWNGQ LCKGGCQAIVDTGTSLLTGPSAEVKALQKAIGAIPLIQGE ACDGGCQILDTGTSLLAGPTHDILKIQQAI GATRGQYGQ GCDSGCHAILDTGTSLVTGPPEPIFNIQRLINARQSYGGE ACDGGCQAILDTGTSMLVGPSSDILNIQTAIGATQDEYGQ ELENTGAAIDTGTSLIALPTDVAEMLNTQIGAKSWNGQY
UniRef90_I3N9H0	A C D G G C Q L L D T G T S L L A G P T H D L L K L Q Q A L L G A T R G Q Y G Q
UniRef90_UPI0002C435B9 UniRef90_M3WZ94	GCDSGCHAIL LDTGTSL VTGPPEPI FNI QRLINARQSYGGE
UniRef90_W4KDV1	ELENTGAAI DTGTSKI ALPTDVAEMLNTQI GAKKSWNGQY
UniRef90_UPI000395CB77 UniRef90_V9N1V7	CSQGCQAI VDTGTFLLTVPQEYIQSI LEALGAQETSYGVS CNGGCEAI ADTGTSLI AAPSEEARLINKKI GAKPI VGGE FCNGCQAI VDTGTSLLTGPTKDI KEMQRYI GATPMDGEYV
UniRef90_V9INTV7 UniRef90_G1MWJ2	FCNGCQAIVDTGTSLLTGPTKDIKEMQRYIGATPMDGEYV
UniRef90_C3UTC4	CDGGCQALVDTGTSLITGPSDEIEKIVKAVGATALTEYTV
UniRef90_UPI000455CDD3 UniRef90_C3YUT2	CDGGCQAI VDTGTSLITGPSDEIEKIVKAVGATAITEYTV ELESTGAAI DTGTSLIALPTDVAEMLNTQI GAKRSWNGQ CQEGCQAIADTGTSLIAGPIEEVNKLHKQIGATPLAGGEY
UniRef90_S2K2S5	DLDPVGAAIDTGSSLLIAPTTVADLINHEL GAEKNWAGQ VCDGGCQAILDTGTSLLVGPGSNILNIQQAIGATAGQYNE DLENTGAILDTGTSLNVLPSSLADMLNKEI GAKKGWNGQ
UniRef90_UPI00029DA90D UniRef90_M1VYR0	DLENTGAILDTGTSLLVGPGSNILNIQQAIGGATAGQYNE
UniRef90_P56272	A C E G C Q A I V D T G T S K I V A P V S A L A N I M K D I G A S E N Q G E M M F C E G C Q A I V D T G T S L I T G P S D D I K Q M Q N L I G A Q P V D G E Y V A C D G G C Q G I M D T G T S L L T G P R S S I V N I Q N L I G A K A S G D G E
UniRef90_H9GJA6 UniRef90 Q9JKE6	A C D G G C Q G I M D T G T S IL L T G P R S S I V N I O N I L G A K A S G D G F
UniRef90_X1XAF6	VSGALQAI ADTGTSLI AGPVDNIKQI NELL GGTALPEYI I LCYSCSAI CDSGTSLL AVPTALYTTVQAALGAI LNEDYVF CVSGCKAI VDSGTSLL AGPTDEIEKINKLI GATKFLNGEY ACSRGCHATLNTGTSVI YGPTEQVTNI HKLMNAKLKDSEY CMNGCQAI VDTGTSLI TGPTKDI KKLQNYI GATPVDGEYV CKSGCEAI VDTGTSLI TGPTKDI KKLQNYI GATPVDGEYV
UniRef90_A0A034VVC0 UniRef90 H2Y0H5	CVS GCK All VDS GT SILLAVIPTALIYTTIV QA ALLGAILIN EDYVF
UniRef90_Q6R6N4	ACSRGCHATLNTGTSV LYGPTEQVTNIHKLMNAKLKDSEY
UniRef90_UPI000386FDD2 UniRef90_G3PYU1	CMNGCQAIVDTGTSLITGPTKDIKKLQNYIGATPVDGEYV
UniRef90_W8BC89	TSEGSA I ADTGTSLI AVPYYLYQDLQYAI GAEPDYYYFI
UniRef90_F6RFS6 UniRef90_UPI0002C626FE	TSEGSA I ADTGTSL I AVPYY TYQDL QYAI GAEPDYYY FI FCQSSCQVI VDSGTSL I TGPKAEI KKLQEL LGATPTL FGE ACHGGCQAI MDTGTSL LIGPHDAVLNI QRI I QARPSNTGE
UniRef90_B2WNK4	EMDNTGI I LDTGTSLI ALPSTIAEL LNKEI GASFNGQYTV ACHGSCQI VDTGTSLI AGPATDVLNI QERI RGSGQYNSKK
UniRef90_UPI00033437B6	EMDNTGIILDTGTSLIALPSTTAELLNKEIGASFNGQYTVACHGSCQIVDTGTSLLAGPATDVLNIQERIRGSGQYNSKKYCSNCQAIADTGTSLLAGPTDAIKKLNKQI GAIPDAQGE
UniRef90_F2TYL4 UniRef90_UPI0003330365	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 A T P T A Q G E C K G G C E A I V D T G T S L L V G P V D E V K A L Q K A I G A V P Q G E Y L V
UniRef90_C1G194	EIL IE N T GIV I L ID T G T SIL L IAIL IP S T II IA E IL L IN K QII IG A S F N G Q Y T IV I
UniRef90_P27822 UniRef90_UPI000388FB06	ACDSCQAIVDTGTSLLAGPTSAISNIQSYIGASENSDGEM
UniRef90_H2WAY4	GWCGCQGI VDTGTSLLTAPQAVFSQLMEDI GAQENSDGEY CSSGCQAI ADTGTSLLIAGPKAQIEAIQNFIGAEPLIKGE CDE CSAI ADTGTSLLIAVPTDIYESVQNAI GASSDEAYYV
UniRef90_A0A034VZG4	CDE CSALADTGTSLLAVPTDIYESVQNAIGASSDEAYYV
UniRef90_UPI00044083EC UniRef90_B4L830	V L E N T G G V I D T G T S L M Y L P V D V A E K L N A Q I G A N N R N G Q L C D N C Q A L A D T G T S L L VA P A N A Y E L L N E L L N V N D E N M G S L G A A I D T G T S L L L A P T A V A E F V N N Q I G G Q A D A Y G Q Y
UniRef90_I1C131	NMG S LG A ALD T G T S L L LAPT A VA E F VN N Q I G G Q A D A Y G Q Y
UniRef90_UPI0003C25C0F UniRef90_B9X0K9	CTSGCQAIIDTGTSLLAGPPSAISNIQSAI GATQDSNGQCKGGCEAIADTGTSLIAGPTEEIAALNKAIGASAIVGGEYCKGGCEVIVDTGTSLITGPLEEVTALQKAI GAVPLIQGQ
UniRef90_A8WGW3	CKGGCEVI VDTGTSLI TGPLEEVTALQKAI GAVPLIQGQ
UniRef90_Q9DEC4	A C S G S C S A L V D T G T S L L A G P S T P L A N L Q Y Y L G A N Q D S N G Q

QUERY	250 260 270 LDIT CDGLTAMPAGVGSTKASVPLSTAYGGQGNGSSGCL	280 G
UniRef90_F6SQ46 UniRef90_G3VHT8 UniRef90_L5LXE3	Y DI N C S N L S S M P T V V V H I N G R Q Y P L P P S A Y T N Q D Q G L C S F D I D C S S L S S M P T V V I H I N G R Q Y P L P P S A Y T I Q M E S V C T F E I N C G S L S S M P N V V F E I N G K K Y P L P A S A Y T S Q D S G F C S	'S S S
UniRef90_A0A026VXU6 UniRef90_W5JA18 UniRef90_G1KN80 UniRef90_UPl00033349A1	A MV D C S L I P Q L P F V F G G K S F S L S G E D Y I L Q I K Q F G K I C M M V D C S L I P T L P T I T F M K P F S I E G A D Y I L R I A Q M G K I C L D I N C G N L G N M P D V V F V I N G I Q F P L T P T A Y T L E E S Q E C C F H I D C W R L S I M P T I V F E I H G R K F P L P P L A Y T M Q E Q G F C S	s S S S
UniRef90_G3HAY9 UniRef90_D3TMW6 UniRef90_E0VMS3	VDCNLNTMPNVAFILNGVSYTLSPTAYILPDLVDGMFCGMVACENIPKLPFVLGGKTFELEGKDYILRIAQMGKICLYMIECRNIPNLPFVLKGRSFVLEAKDYIRVSQFGKTVCL	s s s
UniRef90_E9IL23 UniRef90_Q9GK11 UniRef90_U3JCU9 UniRef90_UPI0002C45225	N C A MVP H L P K V N F I L I G G K T F S L K G E D Y V L E I T E M G H I C M F D V N C G N L R S M P T V V F E I N G R D Y P L S P S A Y T S K D Q G F C T E C S S L S V M P D L T F T I N G L P Y T L S A Q A Y I L V E Y G D G T F C T F D I D C E R L S S M P T V V F E I Q G R Q Y P L P P S A Y T T Q D L I G S C I	S S S
UniRef90_UPI0003C943223 UniRef90_UPI0003F0918D UniRef90_UPI0003C2B4B6	VSCSTSLMPSVTFTINGLDYSLTPEQYMLED GGGYCS DIDCGSLSSMPTVVFEIQGRQYPLPPSAYTNQQNPGFCT NKVNCNDIPSMPDVIFVMNGIQFPLPPSAYTEQDGQGDC	S S C
UniRef90_L5JXS5 UniRef90_G6CNN8 UniRef90_UPl00032B0081	ECDNUNVMPDVTFTINGVPYTLQPTAYLPDSVDETEFCFFALDCSLIPRLPFTIANQKFTLEGTDYVRVSQFGKTVCLYVLNCKKLSSKPTVVFELNGKKFPLSPSAYTTKDDDVCS	S]S S
UniRef90_H0VCH6 UniRef90_K7J796 UniRef90_UPI0003D088DA UniRef90_U3JKE3	P	S T M
UniRef90_Q8WR56 UniRef90_W5M2V9 UniRef90_R4WRW4	VVDCIPKLPEIDFILGGKTYTLEGKDYIRVSQAGKTICL YMIDCKKVPSLPFTMGGQTYKLTGDQYVLKESQAGRICL YMVACDLIPKLPFIINGQKFTLEGKDYIRVSAMGKTICL	S S S
UniRef90_W4WY81 UniRef90_A0A044RC12 UniRef90_R0JA02 UniRef90_S8EKF6	N C N Q S S M P S S F L G G K N F T L T G E D Y V L K K Q F G K M C M P C Y K V S S L P E T F V A G K S Y T L K G S D Y V N V T T K G K S C L Y N V N C S Y I S A M P D V V F V I N G V Q Y P V S A S A Y T E Q N N E E A C T V D C S K V P P D L T L T F G G K G Y V L K G T D Y I L E V Q G T C M S S F	S S M
UniRef90_A7RH56 UniRef90_UPI0003317215 UniRef90_C3UTE0	TVNCSDSLPDITFTIGGKKYVLTGKQYILKVTTLGQVCI ECDNLNVMPDVTITINGIPYTLQPTAYILDFVDGMNFCG MVSCKSIPPNITFTLNGQEFQLQGKDYLMQVSQAGPMCL]S S]S
UniRef90_S9Z0C4 UniRef90_T1PE98 UniRef90_UPI0003C2A66A UniRef90_C3XQC3	Y FI G C D A I NT L S DI I F T I N G V N Y P V P A H A Y I R Q S L E G C C Y V L D C A T I D S L P S L N F N I G G R K F T I E S K D Y V L Q N Y G C T Y N V N C N D I S S L P D I I F V I N G V Q F P L P P S A Y T E K F G P G D C Y L V D C G R L D D L P F G D K L F N L T G Q E Y T V K E Q A S P T T Q V C L	G T T
UniRef90_P00791 UniRef90_P07339 UniRef90_UPI0003C26EB0	VISCSSIDSLPDIVFTINGVQYPLSPSAYILQDDDSCTPCEKVSTLPAITLKLGGKGYKLSPEDYLKVSQAGKTLCLYAMNCNASNLLPDIVFTINSIDFPLPASAYVINMSGSCQ	\s S S
UniRef90_I1G2K9 UniRef90_H2U4L2 UniRef90_Q9GMY8	D	G S S S
UniRef90_Q27951 UniRef90_U4USP0 UniRef90_U4USP0 UniRef90_G3X7I3	F D D C D N L S Y M P T V V F E N G K M Y P L T P S A Y T S Q D Q G F C T E C E	S S Q
UniRef90_A8NXK7 UniRef90_G9D325 UniRef90_I3N9H0	Y Q V D C N K V P S L P F Q F G G K P Y P L K G S D Y I L N V Q G T C I S A F Y M V N C D K I P S L P V I T F K M G G Q S Y S Q Y I L K E S Q A G K T I C L F I I N C W S L S S M P T I V F E I H G R K Y S L P P L A Y T I Q G Q D F C Y Y L M D C E A I N T L P D I I L T I N G V D Y P L P A S Y L R Q E H T G L C Y F D I N C G Q L N S M P M V V F E I N G R K Y P L P P S A Y T S Q D L G F C A T V D C S K V P P D L S F Y F N G K A Y P L K G T D Y L L V Q G T C I S A F	T]S S
UniRef90_UPI0002C435B9 UniRef90_M3WZ94 UniRef90_W4KDV1 UniRef90_UPI000395CB77	FDINCGQLNSMPMVVFELNGRKYPLPASYLRQEHIGILCY FDINCGQLNSMPMVVFELNGRKYPLPPSAYTSQDLGFCA TVDCSKVPPDLSFYFNGKAYPLKGTDYLLEVQGTCLSAF YAVDCNDTQSMPPITFSIGGAOLPLSPSAYVLNSNGYCT	S T L
UniRef90_V9N1V7 UniRef90_G1MWJ2 UniRef90_C3UTC4	WMVDCSLIPNLPFVMNGKPFTLEGKDYIRVSQFGKTTCL VDCSLSSMPIVTFTINGMPYLLSAQAYLMEQSDGMDICL DCNKLSSMPNIDFVLGGKTFTLTPKDYVQVKQLFLTTCL	S S L
UniRef90_UPI000455CDD3 UniRef90_C3YUT2 UniRef90_S2K2S5 UniRef90_UPI00029DA90D	Y TI DCS KVP SLPF Y F G G K P Y P L K G S D Y I L E V S G I CI S S F K V D C S K V T P T I S F I L G G K E F E L T G K E Y I L Q V K Q F G M I C L Y V L D C S V V P T L P F V F S G K D F C L K G E D Y V L K V Q D Q C I S G F F D I D C G R I S S M P T V V F F I H G K K Y P I P P S A Y T S Q D Q G F C T	 S M S
UniRef90_M1VYR0 UniRef90_P56272	Y T L E C D K K K S L P D I V F N L A G S N Y S L P A S D Y L E L Q G S C L G N C A S V Q S L P D L T F T L N G V K Q P L P P S A Y L E G D Q A F C T E C S N L S M M P S V T F T L N G I P Y S L T P E A Y L M E N S D G M Q L C S]S S S
UniRef90_Q9JKE6 UniRef90_X1XAF6 UniRef90_A0A034VVC0 UniRef90 H2Y0H5	YFLK C D T I N T L P F T L N G V P Y P A S A Y L M E N S D G M G L C S A C D Q L D N L P V L S F V L G S V T Y P V P A S A Y L K V S Q F G K L C L D C T Q T S S L P V V S F N L A G T T F T L D S S N Y V Y Q M E Y G N L C V L V Q C N K M M P D L T F S L S G V K Y L L K P N D Y V M K E S T A G E L C L V V S C D A V N T L P F N L N G L D Y P V P P Q A Y L T D K Y A G T A F C S T M V S C D K V P S L P V L S F N V G G R S Y A Q Y V L K V S Q A G K T L C L Y L D C S R V S S L P T T L G Q R D Y T L T P E Q Y L K E R S Q K S D F C L Y T L D C S R V S S L P F T L G Q R D Y T L T P E Q Y L K E R S Q K S D F C L Y T L D C D A V N T L P D V V F T L N G V G Y P V P A S A Y L Q K G R L G T C C Y T L D C D A V N T L P D V V F T L N G V G Y P V P A S A Y L Q K G R L G T C C Y T L D C D A V N T L P D V V F T L N G V G Y P V P A S A Y L Q K G R L G T C C C C C C C C C C C C C C C C C C	r S S
UniRef90_Q6R6N4 UniRef90_UPI000386FDD2 UniRef90_G3PYU1	V VS C D A VN T L P F N I N G I D Y P V P P Q A Y I I K I Q N S C R S I F D C N N I G M M P D V T F T I N G V P Y T L A A Q A Y L T D K Y A G T A F C S Y M V S C D K V P S L P V I S F N V G G R S Y A Q Y V L K V S Q A G K T I C L	Q S S
UniRef90_W8BC89 UniRef90_F6RFS6 UniRef90_UPI0002C626FE UniRef90_B2WNK4	T V D C S K V P P D L S F Y F N G K A Y P L K G T D Y L L E V Q G T C L S A Y A V D C N D T Q S M P P L T F S L G G A Q L P L S P S A Y V L N S N G Y C T W M V D C S L L P N L P F V M N G K P F T L E G K D Y L R V S Q F G K T T C L V D C S L S S M P L V T F T L N G M P Y L L S A Q A Y L M E Q S D G M D L C L 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 Q V K Q L F L T T C L S F K V D C S K V P P T L P F Y F G G K P Y P L K G S D Y L L E V S G T C L S S F K V D C S K V T P T L S F L L G G K E F E L T G K E Y L L Q V K Q F G M L C L Y V L D C S V V P T L P F V F S G K D F C L K G E D Y V L K V Q D Q C L S G F F D L D C G R L S S M P T V V F E L H G K K Y P L P P S A Y T S Q D Q G F C T Y T L E C D K K K S L P D L T F T L N G V K Q P L P P S A Y L L E L Q G S C T G N C A S V Q S L P D L T F T L N G V K Q P L P P S A Y L L E L Q G S C T E C S N L S M M P S V T F T L N G L P Y S L T P E A Y L M E N S D G M Q L C S Y F L K C D T L N T L P F T L G S V T Y P V P A S A Y L R K D R S H N C R S N A C D Q L D N L P V L S F V L G S T T F K L E G K D Y L K V S Q A G K T L C L D C T Q T S S L P V S F N L A G T T F T L D S S N Y V Y Q M E Y G N L C L D C T Q T S S L P V S F N L A G T T F T L D S S N Y V Y Q M E Y G N L C L D C T Q T S S L P V S F N L A G T T F T L D S S N Y V Y Q M E Y G N L C L D C S Q V S S L P F T L G G R C D Y L K P N D Y V M K E S T A G E L C L D C S Q V S S L P F T L G G R C D Y L K P R S Q K S D F C L Y T L D C D A V N T L P F N L N G V G Y P V P A S A Y L Q K G R L G T C L D C S Q V S S L P F T L G G R D Y T L T P E Q Y L K E R S Q K S D F C L Y T L D C D A V N T L P D V V F T L N G V G Y P V P A S A Y L Q K G R L G T C E C D K R D S A Y L D L T F T L T G H N F T L S A Y D A S A Y L Q K G R L G T C E C D K R D S A Y L D L T F T L T G H N F T L S A Y D A S A Y L Q K G R L G T C E C D K R D S A Y L D L T F T L T G H N F T L S A Y D A S A Y L Q K G R L G T C E C D K R D S A Y L D L T T T L N G L D S A Y L L E V Q G S C L S A L C C D K R D S A Y L D L T T T L N G L D S D C L T A C C D C D C C D	S]T _F _M
UniRef90_UPI00033437B6 UniRef90_F2TYL4 UniRef90_UPI0003330365	Y M V S C D K V P S L P V I S F N V G G R S Y A Q Y V L K V S Q A G K T I C L D C S Q V S S L P T V S F V L S G R T F T L E G K D Y I V E V T G D S Q L C M Y I L D C S R V S S L P F T I G Q R D Y T L T P E Q Y I K E R S Q K S D F C L Y T I D C D A V N T L P D V V F T I N G V G Y P V P A S A Y I Q K G R L G T C E C D K R D S L P D L T F T L T G M N F T L S A Y D Y I L E V Q G S C L S A L G L V L C E A K N L L P D I V F T I N G A D Y P L A A S Y L H Q I P A T A C Y Y M V D C K K I P T M P I V L N G Q K F T L T P Q Q Y V Q V S A Q G Q T E C L P C E K V S S L P D V T L S L G G K K Y Q L S S D D Y I L E V Q G S C L S S F I V S C S S M Y S L P N I V F T I N G V Q Y P V P A S A Y I L E E D D A C I T V S C S S I D S M P T I S F T L S G T S F P L S P S A Y V L P S K S T E C V Y M S C D K V P T L P F V I G G Q E F S L K G E D Y V L K L A Q G G K I C L D C S V V S S L P T I S F G I G G T T F S L S G S D Y I V D D E N G D V C M Y I V D C K K V P T L P F V I G G T T F S L S G S D Y I V D D E N G D V C M T V D C S S N L P E F C F Q F S G K D F C L Q G K D Y I L D V D G Q C M S G F Y V I S C S S N L P E F C F Q F S G K D F C L Q G K D Y I L D V D G Q C M S G F Y V I S C S S N L P S I F T I N G I E F S V P A S A Y I I E S Q G S C A I V D C N S I S S L P K I N I N L F T L E G E D Y V M K V S E L G G T C L Y M V Q C D K V P T L P V I S L T Q V Y T L T G E Q Y I M K V S Q R S T I C L Y V I N C N N I S N M P T V V F T I N G V Q Y P L P A S A Y V R Q S Q S C T	S S S
UniRef90_C1G194 UniRef90_P27822 UniRef90_UPI000388FB06 UniRef90_H2WAY4	TVSCSSMYSLPNIVFTINGVQYPYPASAYILEEDDACI TVSCSSIDSMPTISFTISGTSFPLSPSAYVLPSKSTECV YMISCDKVPTLPFVIGGQEFSLKGEDYVLKIAQGGKICL	S V S
UniRef90_A0A034VZG4 UniRef90_UPl00044083EC UniRef90_B4L830	DCSVVSSLPTISFGLGGTTFSLSGSDYIVDDENGDVVCMYIVDCKKVPELPDFTLWFNGQAYPDYIIENQGRSSRTCTGLVDCSTVSSLPVITFNLGGTNFDLSPSAYIIQTDGECM	S S V
UniRef90_I1C131 UniRef90_UPI0003C25C0F UniRef90_B9X0K9 UniRef90_A8WGW3	YVISCSALIDS LPSTIFT INGLEFS VPASAYI LESQGS CALIVO DO NSISSLE KINIT NI FTLEGED YVLK VSELGQT CIYMVQCDKVPILPVISLTQVYTLTGEQYIMKVSQRSTICL	s s s
UniRef90_Q9DEC4	YVINCNNISNMPTVVFTINGVQYPLPASAYVRQSQQSCT	S

QUERY	290 300 310 GLQSAAGLGLLIFGDIFIKASYVVFDSNNPNLGFAPAA
UniRef90_F6SQ46 UniRef90_G3VHT8	GFQSEGSDQLWI LGDVFI REYYSVFDRGNNRVGLATAV GFQGDGSSQLWI LGDVFI REYYSVFDRANNRVGLAKAV
UniRef90_L5LXE3	G
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	240 200 200 200
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UniRef90_G3I107	CSGGCKAIADTGTSLLAGPKTEVDALNKQIGATPAGEYMV CSQGCAGIVDTGTSLLTMPSQYLSDLLQTI GAQEGEYGE ELDSWGAVLDTGTSLLTLPSGVAEMLNSAIGATKGWNGQY
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	_Q5KNQ9	V T	BLPFIF	GKDYKLT	GDDYLLNAGGT <mark>C</mark> LSSFT
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UniRef90	_F1RIE7				
UniRef90_ UniRef90		RCNKLKVMP [PCDKLSTLP]	ן זין ען ע די און אין ען אין א	KGVSYTLK GGQSYAIIT	PIAYILKHFRF <mark>C</mark> RTGFE PDQYLKVTVOGFTICIS
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UniRef90	_UPI000443B9D9	YMIPCEKIPC	àLPFTL	GEKFELS	GEAYLKVSQAGKTLCLS
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UniRef90	_Q9PWK1	VASCSNIEYN	MPTITE	/ i s g T s F P	LPPSAYMLQSNSDYCTV
	_UPI0003F0A547 F4WMF8	YVVDCEAVHT DCDQISNLPN		FALNGINY SGKPFVIT	T V P A S A Y T L Q Q G N L C Y L A E D Y L L V R K L D T P V C Y S
UniRef90	_P20142	LVNCNSIQPS		ŊĞŅĖ F PLP	PSSYLLSNNGYCTVGVTSPSSYLLSNNGYCTVGVTSPSSYLLSNNGYCTVGVTSPSCLSTFMSEDYVLKVSQAGKLCLSPNDYVLKVSQAGKLCLSPNDYVLKVSQAGKLCLSPNDYVLKVSQAGKLCLS
UniRef90_ UniRef90		Y T V E C D K R Q T E C T V R D S L P L Y L I P C E K V S S		FTLAGSNY SGYDFAILT	SILIPATDY ILLEVISGS CIIS PYDY ILLEVIGGS CIISTEM
UniRef90	_UPI0002C43E86	YLIPCEKVSS	S L P P I S I	ŢŎĸĂŸŶLĖ	SEDYVLKVŠQAGKICLS
UniRef90_	_T1KLM9 UPI0003C42366			AGKAYTLT	PNDYVVISI SQLGQTCI S
UniRef90	_W5MS51	YVEDCDSIDS		MN GAHL	HYVLVYQDDYGNSY <mark>C</mark> TS
UniRef90_	_F1NLA4 UPI000441980C	YVVDCEKVPC	QLPFHL APTITE	GGKAYTLS	GSAYVLRQTQYGEDICG
UniRef90_	_Q6R6N9	SCFTINTLPS	S I I F T I I	V G I D Y P V P	PNDYVVSISQLGQICSPLPSAYLNNNGYCSV HYVLVYQDDYGNSYCTSGSAYVLRQTQYGEDICG LSPSGYVLQYSGGSCQV AQAYIDSQGHCFSTFKG PGSYMNYGRISGNSCFG GESYIRKDVVGDRVCLT PADYVVKLETPSKTICI
UniRef90 UniRef90		MRI VPCNADL	PDFYLI	NI GSYRRV	JP G S Y M N Y G R I S G N S <mark>C</mark> F G
UniRef90_	_B4K7L6	VSCQAENLQE PCDQVAHLP1		SEKKFTLS	PADYVVKLETPSKTICI
UniRef90	B4KNY1	PCDQVAHLP1	「LTFTLO	3 N R R F Q L K	G E D Y V F H D L F P D R T V C A

	290 300 310
UniRef90 B3MLX2	290 300 310 A F E Y M G T D F WI L G D V F I G Q Y Y T E F D L G N N R I G F A P V A
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UniRef90_Q5KNQ9	G M DII IP PII IG PII IWII VIG DIVIFII IR K Y Y T IVIY DII IG K N A IVIG F A K S K
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UniRef90_B4MQ73	S DILIP S P S G PIL IWILLIG DIVIFILIG K Y Y I E F D M G N H RII IG F A D A K
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UniRef90_A7TKN3 UniRef90_A0A034WCQ1	PMDFPQPGPLSI I GDAFL RRFYSI YDLENNAVGLAKSV SAFEDGGTSFWI LGDVFI GKYYSVFDLGNNRVGFAKAK
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UniRef90_F1RIE7	GFDGTMDSDSWILGDVFLRVYFTVFDQGQNRIGLAPAV
UniRef90_H0XZU2	E F DII IS D D E PILIWII LIG NIVIFII IR Q F Y SIVIF D R G N N RIVIGILIA R A IVI
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UniRef90_W5NX00 UniRef90 G1KX50	GI MPTNGQPLWI LGDVFLRSYYSVYDFGNNQVGFAAAA
UniRef90_UPI0003C8ECE2	SIVIG DEPYSDII IWIV LIG DIVIFILIRILIY FI AFDRANNRII IGILIAPAIVI
UniRef90_K0J5H7 UniRef90 UPI0003C3A275	GIMPTNGQPLWILGDVFLRQYYSIYDVTNNQVGFATAA AFE DAGTDFWILGDVFIGKYYTSFDFENDRVGFALAV
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UniRef90_UPI0002657509	GFDIPPVGPIAIIGDAFLRRYYSVYDLDHDAVGLAKAK GFIDVPRGPLWILGDVFIGRYFTVFDRQSDRVGFAVAA GFVPPPGGPLWILGDVFIGPYYTVFDRDNDSVGFAK
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UniRef90_A1Z9Q9	A FI P S P S G P L WI L G D V F L G K Y Y T E F D M E R H R I G F A D A
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UniRef90_F4WMF8	AFEQSEF GIMWV LGDSFLGRYYTEFDMGNDRVGFAPAK
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UniRef90_E9F4F2	GMQSSSDLPFSVLGDVFLKAQFVVFDYGNARVGFA
UniRef90_W5LCP8	TFQGMDFGPLVILGDAFLRRYYSVYDLGKNAVGLARSKGMDFPPVGPLAILGDAFLRKWYSIYDLGKGTVGLAAAKGFISPPGGPLWILGDVFIGRYYTVFDRDNNTVAFAEAAGFIDVPAGPLWILGDVFIGRYYTVFDRDNNTVAFAEAAAKGFIDVPAGPLWILGDVFLRQYYSVYDMGNNRIGFAAAKGVEPTNGQPLWILGDVFLRQYYSVFDQGNGRVGFATLAGIEGSDGLPYWVLGDVFLRQFYSVFDQGNGRVGFATLAGIEGSDGLPYWVLGDVFLRQFYSVFDQGNGRVGFATAAGMMPTNGQPLWILGDVFLRSYYSVYDLGNNQVGFAAAAAGTETFKHAETWILGDAFLRSYYSVYDLGNNQVGFAAAAAGTETFKHAETWILGDAFLRSYYSVYDRGNDRIGLAPAVGMQSSSDLPFSVLGDVFLKAQFVVFDYGNARVGFA
UniRef90_B4K7L6 UniRef90_B4KNY1	SAFPSPSGPILWILGDIVFLIGKYYTEFDMGNHRIIGFADA
	The state of the contract of t

UniRef90_UPI0003833B5F	1
UniRef90_UPI0003833C87 UniRef90_M3WL88 UniRef90_E3QLN9 UniRef90_M3W8G3	S GVASEPMQNYMDDSYYGTI SI GTPPQDFTVIFDTGSSNL SAVYEPLAFLDSLYLGEI SI GTPPQNFLVLFDTGSSSL GEHPVPVSNFMNAQYFSEI QI GTPPQTFKVVLDTGSSNL GPLPEL KNYLDAQYYGEI GI GTPPQCFTVVFDTGSANL GPAPEPLSNYLDAQYYGVI GI GTPAQNFKVVFDTGSSNL
UniRef90_F8RNZ8 UniRef90_F7AKV4 UniRef90_Q6R6N7 UniRef90_H0WD90	S DI T S V P L R N F L D L M Y I G N I T I G S P P Q E F N V V F D T G S A N L G T A Y A P I R N F L D A A Y V A V I G V G T P P Q E F Q V V L D T G S A S L
UniRef90_G0WBA7 UniRef90_F4NZG7 UniRef90_Q6R6P2 UniRef90_Q9TTX2	SVPLTDFANAQYEGEI QI GTPPQPFTVI FDTGSSNL SNLTTHPLRNI KNMLYVGNI TI GTPPQKFQVLFDTGSSNW SNLTTHPLRNI MDKLYVGNI TI GTPPQFFQVLFDTGSSDI
UniRef90_F0ZKY9 UniRef90_G4NDG4 UniRef90_H3BGI6 UniRef90_F2DPI0	GGTNIPISDFEDAQYYGAITIGTPGQPFKVVFDTGNIWISGNHPVPISNFMNAQYFSEITIGTPPQNFKVILDTGSSNLANEPLVNYMDIEYFGVISIGTPPQSFKVIFDTGSANLVPLTDYMNAQYYAEIGIGTPPQFFGVVMDTGSSNLSAPEPLTNYMDVQYYGVISIGTPPQSFRVVFDTGSWVP
UniRef90_Q640U9 UniRef90_N6UN48 UniRef90_UPI00032AD638 UniRef90_Q6CRW3 UniRef90_UPI0003C2A13D	VPL TDYMNAQYYAEI GI GTPPQPFGVVMDTGSSNL SAPEPLTNYMDVQYYGVISI GTPPQSFRVVFDTGSWVP AEPVPEPLSNYLDAQYFGAISI GTPPQKFVVVFDTASSNL PELLKNYMDAQYYGEI GI GTPPQCFTVVFDTGSSNL GSHSVPLTNYLNAQYFTEI TLGSPPQSFKVI LDTGSSNL NVAHEPI TNYLDAYYFGEI SVGTPPQTFLVLFDSGSSNL
UniRef90_W5N4U9 UniRef90_H0Y0C1 UniRef90_M0QW23 UniRef90_B4N9T8	A S Q A N E P L I N Y M D A E Y F G Q I T I G T P P Q N F T V I F D T G S S N L V T Y E S L R N Y L D L V Y V G L I T I G T P P Q T F K V I F D T A D F W V S N L T I H P L R N I R D F F Y V G N I T I G T P P Q F F O V I F D T G S S F I
UniRef90_W5N4U3 UniRef90_B5X234 UniRef90_D3B9R3 UniRef90_I3M846	A T S A N E P L A N Y A D M S Y Y G A S G T P P Q S F Y V L F D T G S S N L
UniRef90_H0XRW8 UniRef90_UPl0003298F42 UniRef90_UPl0003C1434B UniRef90_A8KC18	VIT CESLIR NYLLDLTY VIGLI TI GTPPQTFKVI FDTGSTDF SATEEL DNDFNLEYYGLI SI GTPAQEFLI LFDTGSSNL SNLTTHPLRNVRDLFYMGNI TI GTPPQEFQVVFDTGSSDL VEKLITNFMDAQYYGMI SI GTPPQDFSVLFDTGSWVP
UniRef90_UPl0003C28C30 UniRef90_K7FZL1 UniRef90_F1MSC1 UniRef90_Q9DDV5	NVAHEPMTNYLNSFYFGEI SI GTPPQTFLVVFDTGSSNL ATEPLTNYMDIEYCGTI SI GTPAQDFTVLFDTGSSNL STHPLRNLKDMFYFGNI SI GTPPKQFSVLFDTGSSDL AGSTTMYI NNYADTTYYGAI III GTPPQSFQVLFDTGSANL
UniRef90_R4GL36 UniRef90_UPI0003C2A741 UniRef90_E5S562 UniRef90_Q5TLU5	V P Q R H N Y M D A Q Y G E I S I G T P Q R F T V V F D T G S A N L G E D E L H N Y M D Q G F S E T L Y N Y M D V Q F Y G E L G T P G Q N F S V V F D T G S S D L G T T G T T T T T T
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UniRef90_Q9GMY3 UniRef90_W6MN81 UniRef90_UPI000462ABA9 UniRef90_Q29A82 UniRef90_U3JCG2	A P L T N Y V N A Q Y F T E I S L G T P P Q N F L V L F D T G S S N L A P L T N Y V N A Q Y F T E I S L G T P G Q S F K V I L D T G S S N L A G P A K V K L C D Y M N T E Y Y G E V S I G T P A Q K F T V I F D T G S A D F S G G A S E P L D N R L N L E Y A G P I S I G T P R Q P F N M L F D T G N L W V G T A P T L L T N Y L D T Q Y F G E I S I G T P A Q T F K V V F D T G S A N L
UniRef90_G5RGU2 UniRef90_F6RFU0 UniRef90_W3WNK9 UniRef90_F4P764 UniRef90_A3LYI5	S G G A S E PL D N R L N L E Y A G P I S I G T P R Q P F N M L F D T G N L W V G T A P T L L T N Y L D T Q Y F G E I S I G T P A Q T F K V V F D T G S A N L Y M D A A Y Y G Q I S V G T P P Q N F M V L F D T G S S N L P V P I S N F M N A Q Y F S E I S I G T P A Q E F K V I L D T G S S N L P V P I S N T A D A Q Y F G V V Q L G T P P Q S F K V I L F D T G S S N L K G A H E A P L T N Y L N A Q Y F T E I S L G T P A Q Q F K V I L D T G S S N L
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UniRef90_F7BVZ5 UniRef90_L5LDF2 UniRef90_S8AHA2 UniRef90_B4JMF8	GVT K E R L Y D Y M N A Q Y Y G A V S I G T P P Q R F T V V F D T G S S N F T A P V V L T N Y L D T Q Y Y G E I G I G T P P Q T F K V I F D T G S A N L V P V D N F M N A Q Y F S E I T L G T P P Q T F K V V L D T G S S N L
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UniRef90_W5PEJ9 UniRef90_Q8SPH1 UniRef90_W5P3R9 UniRef90_UP10004404D22 UniRef90_G0MSH4	S N L T H P L R N K D V V Y M G S T G T P P Q E F Q V F D T G S S D L V A S V P L T N Y L D S Q Y F G K Y L G T P P Q E F T V L F D T G S S D F S N V T L P L R N M K D F Y V G N T G T P P Q E F Q V V F D T A S S D L H P L R N Y L D L A Y V G S T G T P P Q Q F K V F D T G S A D L L S D Y S N A Q Y Y G P T G T P P Q N F Q V L F D T G S S N L
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UniRef90_UPl000329C929 UniRef90_H0XYD8 UniRef90_R9XD63 UniRef90_UPl0003290581	A T E Q L D N E L N M S Y Y G K I T I G T P P Q D F L V L F D S G S S N L V T Y E S L W N Y L D L V Y V G L I T I G T P P Q T F K V V F D T G S A D F V T D L A N L A N N I Y A A D V T I G T P P Q N F R V V V D T G S S T L T S P M V L T N Y L D T Q Y Y G E I G I G T P P Q T F K V I F D T G S A N L

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UniRef90_Q9TTX2 UniRef90_F0ZKY9 UniRef90_G4NDG4	R M K G V V V H D T V R I G N L V S T D Q P F G L T L K E Y G F A H I T F D G N A M S G F V S Q D T V T V G S L S V K N Q L F A E A T A E P G I A F D F A K F D S M E G F V S N D V M T I G D L K I K N L D F A E A T K E P F A F G R F D G I L
UniRef90_H3BGI6 UniRef90_F2DPI0 UniRef90_Q640U9	S MT G F L G Y D T V R I G S I VDT N QI F K T E P G S F F Y Y S P F E G I L S L E G V I S T D T V K S O T F A F A I T O P G I T F V A A K F D G I L G M A Y P
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UniRef90_W5N4U3 UniRef90_B5X234 UniRef90_D3B9R3	R MK GV V V H D T V R I G N L V S T D Q P F G L T L K E Y G F A H T T F D G N A M S G F V S Q D T V T V G S L S V K N Q L F A E A T A E P G L A F D F A K F D S M E G F V S N D V M T I G D L K I K N L D F A E A T K E P F A F G R F D G I L S M T G F L G Y D T V R I G S I V D T N Q I F K T E P G S F F Y Y S P F E G I L S L E G V I S T D T V T I G D L E L T E T D F G E S T K E P G L A F K F D G L M A Y P D V V G V S D I N V K S Q T F A E A L S E P G L A F V A A K F D G I L G L V Y S L S Q D T V S V P C S A S S G I R V E R Q L F T K Q P G V T F I A A K F D G L L T L G D L V I P Q D F A E A T S E P G L A F A F G K F D D L T V M M G Y D T V S V Q D I V V T K Q E L G L S T N E P T E P F Y Y S N F D S L T G I L A F D L V T V E G L A V S H Q K F V R E P G S T F V D A N F D G L L M G L A N D T V K I G D L E D I N Q A F V L S N Q E D G A F R F F A E F D G R I E A L V V H D T V R I G D L V I T D Q Q F G L O L E E S G F E G M R F D G V S L T G V F G Y D T V Y I Q D I A I T N Q E V G L S T N E P G T N F V Y A Q F D L S G F L S G D T V S L A G M Q V T G Q Q F G E A V K Q P G I T F A V A R F D G A M S G F V S Q D T V Q V G S L T V Q N Q L F A E A T A E P G I A F D L A K F F S L T G F F G Y D T V T V Q S L Q V P N Q E F E Q E P G T N F V Y A Q F D G I M G S G D V I G F I A Y D F R Q G F V L S T W V D L A F W S I A S H D G V L G L A S L S G F L S Q D T V R V A G L T I S N Q V F V Q E P G T T F V N S N F D G L L S G F L S Q D T V R V A G L T I S N Q V F V Q E P G T T F V N S N F D G L L S G F L S Q D T V R V A G L T I S N Q V F V Q E P G T T F V N S N F D G L L S G F L S Q D T V R V A G L T I S N Q V F V Q E P G T T F V N S N F D G L L S G F L S Q D T V R V A G L T I S N Q V F V Q E P G T T F V N S N F D G L L S G F L S Q D T V R V A G L T I S N Q V F V Q E P G T T F V N S N F D G L L S G F L S Q D T V R V A G L T I S N Q V F V Q E P G T T F V N S N F D G L L S G F L S Q D T V R V A G L T I S N Q V F V Q E P G T T F V N S N F D G L L S G F L S Q D T V R V A G L T I S N Q V F V Q E P G T T F V N S N F D G L L S G F L S Q D T V R V
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UniRef90_Q5TLU5 UniRef90_U5H6H7 UniRef90_UPI0003D08F1B	DILTGFFGRDIVRIGDLVIMNQTFALLTYRQISKILPFVPFE SLSGVFGYDTVNVGGILLTNQEIGLSTDEPGQTFVVAQFD TLTVLLGYDTLRIQTITVKNQEFQPFYYAQFDGIMGMAYP RGSLKGFLSQDTVIVSNVTVQNQFFYYAQFDGIMGMAYP RGSLKGFLSQDTVIVSNVTVQNQEFVYEPGVAFVMAHFDGILGMAFP HMLGIMARDTLKVNNNVTVQNQEFVYEPGVAFVMAHFDGIL SLEGVISNDVLTIGDLTVKEQDFAESTSEPGLTFAFGKFD LMTGFLAYDTVEVGDIQITHQIFGLSTNESFFTLYFLSFD DTVCVAELGARDQPFAEAASEPGITFVAAKFDGILGMAFP TGSLTGFLSTDDVTIGEITVKHQTFAEAVTQPGITFVAAK SLTGFFGYDTLTVQSIQVPNQEFTNFVYAQFDGIMGMAYP SLEGFVSQDTLSIGDLIIPKQDFAEATSEPGLTFVAAK SLTGFFGYDTLTVQSIQVPNQEFTNFVYAQFDGIMGMAYP SLEGFVSQDTLSIGDLIIPKQAFAFAFGKFD RLMGIVAKDVQIGNITIEDQAFMTFAFAHFDGVLGLGYP SLSGRLAQDTVSVGRLVVQNQTFIHEPGSTFVDTNFAGIV
UniRef90_D0VFG1 UniRef90_V4A9Z7	DTVCVAELCARDQPFAEAASEPGITFVAAKFDGILGMAFP TGSLTGFLSTDDVTIGEITVKHQTFAEAVTQPGITFVAAK
UniRef90_Q9GMY3 UniRef90_W6MN81 UniRef90_UPI000462ABA9	SLEGFVSQDTLSIGDLIIPKQDFAEATSEPGLAFAFGKFD RLMGIVAKDKVQIGNITIEDQAFMTFAFAHFDGVLGLGYP
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UniRef90_W3WNK9 UniRef90_F4P764 UniRef90_A3LYI5	S MK G F V S Q D T L NIL G D L KI K N Q D F A E A T S E P F A F G R F D G L L S V T G V I S S D T L Q F A G I NI P N Q Q F A E A V T E P G N T F L T S S F D A M E G Y V S Q D T L A I G D L V I P K Q D F A E A T S E P G L A F A F G K F D
UniRef90_F1KYX4 UniRef90_U3IJJ9 UniRef90_N1RQ16	T G S M K G F L S L D N V <mark>C </mark> V A D V <mark>C</mark> A T E Q P F A E A T S E P G L T F L A A K S M S G V L A Y D T V R V G N L Q I S N Q A I K K E P G S F L T H H A F D G L G A S G I V Y T D K V Q V G K T Y V N K Q A V E S D G I A S D K F S H G I M G L
UniRef90_UPI0003BBE627 UniRef90_F7BVZ5 UniRef90_L5LDF2	A ME GY V S Q D T L A I G D L V I P K Q D F A E A V I E P G N I F L I S S F D T G S M K G F I S L D N V C V A D V C A T E Q P F A E A T S E P G L T F I A A K S M S G V L A Y D T V R V G N I Q I S N Q A I K K E P G S F L T H H A F D G I L G A S G I V Y T D K V Q V G K T Y V N K Q A V E S D G I A S D K F S H G I M G L S M T G V L G Y D T V Q V A G I A D T N Q I F Q T E P G S F L Y Y A P F D G I L S L G R V V G G G A K E K Q W C C R K G Q S P P G W V S P S R R L G L S A P G T S G K V N G F L S Q D A V T V G G I T V T Q T F G E V T E L P L M P F M L A K F
UniRef90_S8AHA2 UniRef90_B4JMF8 UniRef90_UPI0003C290D5	S MK G F V S Q D T L T I G D L T I K G Q D F A E A T E E P F A F G K F D G I L S L S G F L S T D D V D V S G L T I K S Q T F T N E P G T S F N N A K F D G I L Q L L G I A G K D T V Q I S N I S I E A Q D F G E S V F E P G M T F H F D G V L L S G F L S Q D T V S V P C F G E A T K Q P G M T F L A A K F D G I L G M A Y S S G S L S G F C S T D A V E V A G V W V Q D Q K F E P G I T F V A A K F D G I M Q D I V M V A N I P V I Q V F A E A V A L S T D P F I F A K F D G V L G V C C S P T A V A L S T D P F I F A K F D G V L G V C C S P T A V A L S T D P F I F A K F D G V L G V C C S P T A V A L S T D P F I F A K F D G V L G V C C S P T A V A C S P T E P C S F T D S C S C S C S C S C S C S C S C S C S
UniRef90_UPI0003F12D6A UniRef90_E4WUH7 UniRef90_UPI0004573FED	LSGFLSQDTVSVPCFGEATKQPGMTFLAAKFDGILGMAYS SGSLSGFCSTDAVEVAGVWVQDQKFEPGITFVAAKFDGIM QDIVMVANUPVLOVEAFAVAUSTDPFIFAKEDGVLGMGER
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UniRef90_O57572 UniRef90_G1SMJ7 UniRef90_UPI0003958F29	GSVKGI VATDNVGFGDLKI LQQGIGLVNISDSCSVFDGI A SMKGVLGRDTI QIGDLVI TNQIFQNQSSGVLEQVPYDGI L HLLGVMGRDYLMVAGMMVKRQEFRYEPGTAFLKARFDGVL SMTGI LGYDLVKVGSI DDTHQIFGLSETEPGDTFVFAPFD DLSVVLGCDTVTI QNI TLSNQEFGLSLDEPSRPFYYLDYP SLDGVFGYDTVTVSGVTVTGQEIGLSTNEPGQNFVVAQFS
UniRef90_W5L0G6 UniRef90_UPl00038BBFBF UniRef90_Q9TTW7	SLDGVFGYDTVTVSGVTVTGQELGLSTNEPGQNFVVAQFS FSLSVQSIQVPNQEFGLSEQEPGTNFVYAQFDGIMGLAYP VSGAMVAHDTIRIGDLVSTDQPFGLSTAEYGFRTPFDGV RMKGVVAHDTVRIGDLVSTDQPFGLSMEEYGFRDITFDGI
UniRef90_W5P808 UniRef90_UPl000329C929 UniRef90_H0XYD8	RMKGVVAHDTVRIGDLVSTDQPFGLSMEEYGFEDITFDGI SLSGFLSQDTVRVAGLTISNQVFMLEPGTSFVYSNFDGLM GSGDILGIVGYDFRQAFVQSIWQDHAFGSIAPFDGIIGIA
UniRef90_R9XD63 UniRef90_UPI0003290581	S S G F L S Q D T V R V A G L T I S N Q V F M L E P G T S F V Y S N F D G L M G S G D I L G L V G Y D F R Q A F V Q S I W Q D H A F G S L A P F D G I L G L A S I M G Y V S E D T F R I S D L E I P G Q Q F T E T T D E P G S V F V F A A F D T G R V R G F L S Q D V V T V G G I T V T Q T F G E V T E L P T M P F M F P A Q

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UniRef90_M3WL88 UniRef90_E3QLN9 UniRef90_M3W8G3 UniRef90_F8RNZ8	SIL A V G G T P T V L Q G M L E Q N Q L S E P I F S F Y F S R K P T Y N Y G G E G I A F P S L A S G G A T P V F D N M M S E G L V A K D L F S V Y L S K N G S F G L A F P S L A E G R T T T P L Q G M L R A G V L S S P V F S F Y L G R Q M N P G I G Y D T I S V N K I V P P F Y N L V N Q K A I D E P V F A F Y L G D T N S E G M A Y P R I S V D D V L P V F D N L M K Q K L V E K N I F S F Y L N R D G G E K I S V D G V V P V F Y N M V K Q G L V P Q P I F S F Y L D R D P S A S E G G E L G L G Y P S L S V G D V T P V F D N M W K E E L I A S N D I D Q Y G N S I Y P S L A I L G T P P I F D N L N K N G L I S E P V F A F F I S S W P H K S S L Y P S L G L P G T M P V F D S L W A Q G R L S R K L F A F Y L S S K A E A G S M G I A Y D S I S V N K V V P P F Y N A I E Q E L L D E K K F A F Y L G D D G G E G L G Y P K F S F S G V I P I F D N L K N Q G A I S E P V F A F Y L S K D E Q E G S V G I A F Q S I S V N D I P P V F Y N M I D Q G L V G Q N L F S F W L S K N G G E
UniRef90_F7AKV4 UniRef90_Q6R6N7 UniRef90_H0WD90	ILGLGYPSLSVGDVTPVFDNMWKEELIIASNDIDQYGNSI YPSLAILGTPPIFDNLNKNGLISEPVFAFFISSWPHKSSL YPSLGLPGTMPVFDSLWAQGRLSRKLFAFYLSSKAEAGSM
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UniRef90_F2DPI0 UniRef90_Q640U9 UniRef90_N6UN48 UniRef90_UPI00032AD638	SISVDGVVPVFNNMVNQKLVDQAIFSFYLSRDASAKEGGE RISVDGVVPLFYNMVNQGIVSQAVFSFYLNRNPDGKVGGE GMAYPRISVNNVLPVFDNLMQQKLVEKNVFSFYLNRDGGE
UniRef90_Q6CRW3 UniRef90_UPI0003C2A13D UniRef90_W5N4U9 UniRef90 H0Y0C1	Y P N S Y S G A P F D K K N E G A S E P V F A F Y S K D E Q E G S V G I A F Q S I S V N D I P P V F Y N M I D Q G L V G Q N L F S F W L S K N G G E G M G F D R L S V N K I V P P F Y A M V D Q K L I D E P V F A F Y L A D E K S E G L A Y P S I S A S R A T P V F D N M M Q E G L V S Q D L F S F Y L S K N G S V G L G Y D T I A V Q Q V V P P F Y Q M I N Q K L I D K P L F T F W L G D N G G E S I S V D G V V P V F N N M V N Q K L V D Q A I F S F Y L S R D A S A K E G G E R I S V D G V V P L F Y N M V N Q G I V S Q A V F S F Y L N R N P D G K V G G E G M A Y P R I S V N N V L P V F D N L M Q Q K L V E K N V F S F Y L N R D G G E G I L G M A Y P T V M E N M L Q Q G Q L T E P I F S F Y F S R Q P T Y S Y G G E G L G Y P S I A A G G A T P V F D N M M A Q G V V E L P V F S V Y L N R N G G E L L G L A Y P G Q D G G T P V F D N L W E Q G L I S E N L F A F Y L S K D G S E G L A F R K I A E Q H V T P L F Q S M C D Q K L V D Q C V F S F Y L K R N G S E
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UniRef90_UPI0003298F42 UniRef90_UPI0003C1434B UniRef90_A8KC18 UniRef90_UPI0003C28C30	YPNISYFGAIPLFDKLKNQGAISEPVFAVYLSKDKREGSV VLGMAYPAISVDRVTPVFDTAMAAKILPQNIFSFYINGGE GVALPGFNTLMQNMVQQGQLSEPIFSFYFSRNPTYQYGGE
UniRef90_K7FZL1 UniRef90_F1MSC1 UniRef90_Q9DDV5 UniRef90_R4GL36	Y P N I S Y F G A I P L F D K L K N Q G A I S E P V F A V Y L S K D K R E G S V V L G M A Y P A I S V D R V T P V F D T A M A A K L L P Q N L F S F Y I N G G E G V A L P G F N T L M Q N M V Q Q G Q L S E P I F S F Y F S R N P T Y Q Y G G E G L A Y P S I S S S G A T P V F D N M M S E G L V S Q D L F S V Y L D Q S G S F Y P S L A T S R I L P V F D S L M L Q K V I S E P V F A F Y L N N K E K N G S V Y P S I S A G Q E T P V M D N I M S Q N L L Q A N L F A F Y L N N K E K N G S V Y P S I S A G Q E T P V M D N I M S Q N L L Q A N L F A F Y L T N D G Q Q G S E A L A A G G T P T P L Q G M L E Q N Q L K Q P I F S F Y L S R N P T Y N Y G G E F D G Y P N I S V R G I T P V F D N M M R R G L L D Q N V F S F Y L S R N S S D S I A V G G I Q P V F Q A M I E Q N L I S E A V F A F W L N R N P E D D L G G L G M G Y P S L A Q I L G N P V F D N M L A Q Q M V E E P I F S F Y L S K Y Q G E G I L G L A Y D T I S V D H V T P P F Y N M I N Q P V V A F Y L N A E E Q G S V F P S I S L A G A T P V F D N M M N K H L V S Q D L F S V Y L T S N K E S G S F
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UniRef90_Q9GMY3 UniRef90_W6MN81 UniRef90_UPI000462ABA9 UniRef90_Q29A82	SIL A MGGATTAL QGML QEGAL ITSPVFSFYLSNQQGSQNGGAGIAY DT SVDKVVPPI YNAI ELGL LDKPQFAFYLE DGGV TLSVTNSMPVFDNI I KQHL VEEPLFSFSLNREHNVDNGGV GLAFRSI A E QQATPLFQNMCDQGLVDQCVFSFYLKRNGSA
UniRef90_U3JCG2 UniRef90_F6RFU0 UniRef90_W3WNK9 UniRef90_F4P764	GLAFRSTAEQQATPLFQNMCDQGLVDQCVFSFYLKRNGSAFLGERGITPSRAGIFGERGITHCWAGIFGERNAPLKPGGEGMAYPALAAGGATTPMQGMLQQNLLTYPIFSVYMSSQSGEGMGFDRLSVNGLVPPFYQMVNQGLIDEPVFAFYLSSENGDFTAISINNIPTPMDNMIARGLIPAGIFGFFLTRGGVSGSSGIAYNTISVNKLVPPVYNALAQGLLDEPQFAFYLENDGGL
UniRef90_A3LYI5 UniRef90_F1KYX4 UniRef90_U3IJJ9	GIAYNTISVNKI VPPVYNALAQGL LDEPQFAFYLENDGGL FDGLLGMKPVFHTMIDQQLLAAPVFAFWLDRNPDDQLGGE GLAFPSIASSGAVPVFDNMMSQGLVAEDLFSIYLSRTGSF AMSSLNTVRPTPQNTYFQNVQNNLAVPVFTANLQKGKAGN
UniRef90_N1RQ16 UniRef90_UPI0003BBE627 UniRef90_F7BVZ5 UniRef90_L5LDF2	T P S P P G L WN WG WG E Y Q M L K G Y R S E C I G E A G G K
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UniRef90_C5P9L1 UniRef90_M4ARK5 UniRef90_G3JGS6 UniRef90_W5PEJ9	D G V L G M G F P A Q A V A G V T P V F D H L L S Q R V Y Y S R N S H L L G G E G M G Y D T I S V N K M V P P F Y Q M V N Q G L I D E P V F A F Y L A P S Q S E G M A Y Q S I S S D N V V P P F Y N M V S Q G L V D D S V F S F Y L T T D G G E G L G Y P S L A V G N P L P V F D S M M N Q R L V E E P V F S F H L N R N G G E S I S V D K V V P F F D N L I W Q K R M P K N V F S F Y L N R D P T A K T G G E G L G Y P S I A V N K L T P P V N N M I E Q G L L S D G M F S F F L N R D G G E T I S I D G I P P V F D R I L D Q H V L K E E V F S V Y Y N R D S Y G S P G G E G L A Y P S I S S S D A T P V F D N L W D Q G L V S Q D L F S V Y L S S D G S V G I G Y D T I S V N K I V P P F Y N M I N E G L I D E P V F G F Y L G D D D S Y N V A L D G I T P V F D Q I M S Q H L L K E E V F S I Y Y S R D P K H S P G G E G I G Y D T I S V N H M V P P F Y Q M L K Q K L L D E P V F A F Y L E E E G S E Y P N V S F S G A I P I F D K L K N E G A I S E L V F A F Y L S T D G Q E G S V G M A Y P S L A S E Y S I P V F D N M M N R H L V A F Y R D E Q E G S V S M N Y P S L A S E Y S I P V F D N M M N R H L V A F Y R D E Q E G S V
UniRef90_Q8SPH1 UniRef90_W5P3R9 UniRef90_UPI0004404D22 UniRef90_G0MSH4	Y P S LAI R G T T P I F D N L K R R G L I S Q P V F A F Y L S T R K E N G S M S V N K L A O P M D O L F A N S A L C P N O L F A F W L S R D A N D L A N G G F
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UniRef90_UPI0003958F29 UniRef90_W5L0G6 UniRef90_UPI00038BBFBF UniRef90_Q9TTW7	GIVAL PGFPTIL LQNIL L WQEQL SKPII FSFYFSRNPTYNYGGEGIAYPSLAAGGQTPVVDNMINQGL LEYNLFGVYLSPNGSETLSEGGATTALQGMLQVDALSSPMFSVYLSNQEGSEDGGALGLNYPSISSGAIPII FDKLKNEGAI SEPVFAFYLSKGGQ
UniRef90_W5P808 UniRef90_UPl000329C929 UniRef90_H0XYD8	LGLNYPNMSSSGAIPIFDKLKNEEPVFAFYLSKDEQEGSVGMAFQQISNDDVVPPFYNMWTQGLISQNLFSFYLSDQGGEYPNMAHDRRTSVFDNLWKKGRISENLFAFYLTSGGKRGSMGILGLAYPSLGYGVVPPFQQKEPVFGMYLDDISTGKGNGQAVGGVTPVFDHILSQRVLKEDVFSVYYSRDSKNSHLLGGE
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UniRef90_E3QLN9	A T F G G L D E S <mark>H</mark> Y E G K V T Y I P L R R K A Y WE V D L D A I S L G D E T A
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UniRef90_Q6R6P2 UniRef90_Q9TTX2	VMFGGVDTSYYHGTLNWVPLIKARW <mark>CVH</mark> MDRISMNRQVVA VMFGGVDHRYYKGELNRIPLTKAGDWIIRLDSISIKRK <u>VI</u>
UniRef90_F0ZKY9	II IS F G S II ID S S K Y T G P II IT Y IV IP II IT N T T Y W F F K M D D F G O S A G F C
UniRef90_G4NDG4 UniRef90_H3BGI6	SEV V F V N K D H D G K I T E I P L R R K A Y WE V D L D A I A L G D E V A V T F G G Y D S S Y Y N G Q I Y W L P L S Q E T Y W Q I T M D S I T I N G Q V V
UniRef90_F2DPI0	IL VIF GEII ID K D H Y E G DII VIY A PIV VIR K G Y WEIVIK F N EIL L I IN D E P A
UniRef90_Q640U9 UniRef90_N6UN48	I I LGGSDPDHYVGNFTYLDVTRKÄYWQLK <mark>C</mark> MN <u>AMMV</u> GGEY L <u>IF</u> GG <u>S</u> DPNYYSGN <u>F</u> TYLPVDRQAYWQ <u>F</u> KVDEVIVGQKT <u>F</u>
UniRef90_UPI00032AD638	LMLGGVDTKYYQGQLSYLNVTRKAYWQVHMDQLVVGNGTL
UniRef90_Q6CRW3 UniRef90_UPI0003C2A13D	LMLGGVDTKYYQGQLSYLNVTRKAYWQVHMDQLVVGNGTL ASFGGIDEEKYTGEITWLPVRRKAYWEVKFEGIGLGEEYA LILGGIDTQLFTGQITWTPVTQEYYWQIGIDEFAIGQTGW
UniRef90_W5N4U9	II THE GGED OSHES GMILL WIVE PIVITK OGY WOLLT I ID NIVIKIVIN GOIVIR
UniRef90_H0Y0C1 UniRef90_M0QW23	L MLGGVDHSYYSGELRWVPVAKRRYWQVVLDSITVNGTIT VMFGGADHRYYKGELNWIPLMKAGDWSVHMDRISMKRKVI
UniRef90_B4N9T8	R S F G G T D S T K F T G Q L T Y V P L S N P G Y W Q F E M Q G E D G Q R
UniRef90_W5N4U3 UniRef90_B5X234	ILIMILIGGI DPILIYYI GDILI <mark>H</mark> YIVINIVII RKAYWQII EMSNIVIEIVIGNQIILI
UniRef90_D3B9R3	II IT F G S II ID T T R Y T G P II IT Y IV IP II IT N F T Y W F F K M D D F G N S II IG Y C
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UniRef90_A8KC18	L M L GGFDQQYFNGD L <mark>H</mark> Y V N V TRKAYWQ KMDE V Q V GST L T
UniRef90_UPI0003C28C30 UniRef90_K7FZL1	- IV
UniRef90_F1MSC1	V M L G G V D H S Y Y K G E L N W V P V S K S L Y W Q I T V D R I S V N G K V I
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UniRef90_UPI0003C2A741	NIVIG G E II IN K E R Y K G DIL I <mark>H</mark> Y II IPIVIS R K A Y W QIV L IM N NII ID R D A K T IL I
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UniRef90_U5H6H7	ATFGGÖÖDSSHYKGKIDYVPVRRKGYWEVELESVRFGKETV
UniRef90_UPI0003D08F1B UniRef90_D0VFG1	VMFGGLDSSCYSGSLKWLPLSAETYWQLTMDRIMINGEVA ITFGGTDPKHFVEPLVYAPVTRRAYWQFKMDKISGQDGTA
UniRef90_V4A9Z7	L
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UniRef90_U3IJJ9	VMLGGMDSSCFSGRLRWIPLSAETYWQIAVDRLIMRRVVA
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UniRef90_UPI0003F12D6A	LMLGGVDAKYYQGSLDFVNVTRKAYWQI HMDRLDVGKGLT
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UniRef90_G3U597	V L G G S D P Q Y Y Q G N F H Y V S I S K T G S WQ I K M K G V S V R S S T L V V F G G I D K S H Y T G D I T W I D L R R K A Y WE V E F D A I T F G Q E T S L I F G G S D P A K Y T G D L S Y V P I S E Q G Y WQ F A V D S A T I D G Q T L I L G G I D H S R Y K G S I H W V P V T E K S Y WQ I H V N N V K I Q G R I V L M L G G V D A K Y Y Q G S I D F V N V T R K A Y WQ I H M D R L D V G K G L T L T I G G V D N S R F T G D F S W N E V T R Q A Y WQ I K M D N F E V Q G K G V L I L G G T D P S Y Y T G D F H Y L Q L S K K G F WQ I E M R G I S V G G E I F V I F G G I D S S Y Y T G S L N W V P V S Y E G Y WQ I T L D S V S I D G E S V A T F G G V D S S L F S G E M I K I P L R R K A Y W E V D F D A I A F G N E R A L L L G G T D P N Y Y T G N F N Y L E T R E M G K W E V T M K G V A V G A E M M A V F G G V D K N H Y E G K I E Y L P L R R K A Y W E V D F D A I A F G K E V A V M F G G V D H R Y Y K G E L N W V P L V K A G D W V H M D S I S M R R K V I L T L G A I D P S Y Y T G S L H W V P V T I V Q Q Y WQ F T I V D S V T I S G V V V
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UniRef90_W5PEJ9 UniRef90_Q8SPH1	V M
UniRef90_W5P3R9	VMFGGVDHSYYKGELNWVPLTKAGDWSVRVDSITMKREVI
UniRef90_UPI0004404D22 UniRef90_G0MSH4	
UniRef90_UPI000462BFBC	
UniRef90_B4LXW4 UniRef90_UPI0003C15F0B	I TEGGI DHSRYKGALDYVPLSKVGYWQEVMSGVSVGNKKI VMFGGVDHHYYKGELNWLPLIKADAWIVHMDRISMKRKVI MILGGSNSSLYYGPLTYTNVTEAKYWTERMDGLEVHGKRR ISTVMFDHTYHKGKLQWVPVTQASFWQVAMSSMTINGKVV LLLGGTDERLYDLPINWLPVTAKAYWQLKIDSVVVQVNPF
UniRef90_B3N8V3	MILGGSNSSLYYGPLTYTNVTEAKYWTFRMDGLEVHGKRR
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UniRef90 UPI0003833B5F	210 220 230 240 <u>G W C G C Q G I V D T G T F L L T V P E R Y I E S F L R A L G A Q L T S Y G</u>
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UniRef90_M3WL88	C
UniRef90_E3QLN9 UniRef90_M3W8G3	CKGGCEALLDTGTSLMVGPVDEVRELQKAL GAVPLIQGE
UniRef90_F8RNZ8	F <mark>CSGGC</mark> NI ADTGTSL I AGPTSELS <u>KLNKAL</u> GAKPLVAGE
UniRef90_F7AKV4 UniRef90_Q6R6N7	QLIILCTV <mark>C</mark> HSDTHLIRA <mark>C</mark> SHGPWIFLSLSTSMEKRFLRQ ACSGGCQILDIGSSYLLGPTDIVRSILRSINPSPLQNEQR
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UniRef90_F4NZG7 UniRef90_Q6R6P2	ALKSSRAAIDTGSSLFALPVAEADAINGILGGKKNWNGQF CNAGCEAIVDTGTSLILGPRRMVDNILRHIGAKPRGSEHY
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UniRef90_B4N9T8	AEH RQAIADTGTSLLVAPPREHLIINRLIGGTTSGEYVV
UniRef90_W5N4U3 UniRef90_B5X234	F C D G C Q A I V D T G T S L L T G P T E D I K A L Q E E L G A T P A G G G M Y A C H D G C Q A I L D T G S S V V N G P N K D V L N I H N I I H A Q H S F N D K A C S G G C K L V D T G S S D I V G P S T L V N N I W K L I G A T P Q G S E H Y A E H R Q A I A D T G T S L L V A P P R E H L I N R L I G G T T S G E Y V V C S Q G C Q A I V D T G T S L L T C P Q Q Y L G Y L Q Q Y I G A Q A N Q N Y I I C K A G C Q A I V D T G T S L I G P A E E V R V L H K A I G A L P L L M G E G A D G C H A I C D S G T S L I A G P S A Q I N A L N T K L G A V V M N G E G C S Q G C Q A M V D T G T S L L T V P Q Q Y L S Y L Q A I G A Q E D E Y G Q C C H D G C Q A M V D T G T S L L T V P Q Q Y L S Y L Q A I G A Q E D E Y G Q C C H D G C Q A M V D T G T S L L T V P Q Q Y L S Y L Q A I G A Q E D E Y G Q C C H D G C Q A M V D T G N S L L N G P N F D V L N L Q A I G A Q E D E Y G Q C C H D G C Q A M V D T G N S L L N G P N F D V L N L Q A I L A Q H S F K D M
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UniRef90_UPI0003298F42	CSNGCQAIADTGTSLIVAPYSAYSVFMSVVD PDGDELV
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UniRef90_UPI0003C28C30	10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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UniRef90_UPI0003C2A741 UniRef90_E5S562	CIDGCTTI ADTGTSLI I GPSKDI KALHEML GSSFGGQYII CPEGCQALVDTGTSLI AGPKDEVERL QEAI GAKPLIMGQ CPEGCQALVDTGTSLI AGPTRDI LRLQQLI GATPTNI VVT
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UniRef90_D0VFG1	CSDGCQAII IADTGTSILI IAGPKQQIVIQILI IQKYII I GAEPILIFSGE
UniRef90_V4A9Z7 UniRef90_Q9GMY3	CSGGCQAIADTGTSLLAGPSDEILAKLQTMIGATPKGEYMV CSQGCQALVDTGTSLLTVPQQYMSALLQA_TGAQEDQYGQ
UniRef90_W6MN81	SIL IE G T G A A II ID T G T SIL I IAIL IP S GIL IA E II L IN A E II IG A Q K G W Q Y S II I
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UniRef90_B4JMF8	LGESFQAI ADTGTSLLVVSSDAYDLLNNLLN
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UniRef90_W5L0G6	QYSGCQALVDTGTSALTAPQSYLASLMQSIGATQDSYYYV
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UniRef90_UPI0003290581	LCEEGCMAAVDTGASFIITGPTGSLRRLMETAGAKELSTSE

UniRef90_UPI0003833B5F UniRef90_UPI0003833C87 UniRef90_M3WL88 UniRef90_E3QLN9 UniRef90_M3W8G3 UniRef90_F3RNZ8 UniRef90_F7AKV4 UniRef90_Q6R6N7 UniRef90_H0WD90 UniRef90_G0WBA7	250 260 270 280 Y A V D C N E I Q N M P A T F I N G A Q L P L Y P S A Y V F N N N G Y C T L A C S S R G S L P A I V F H I N G A E F A V T P E A Y V V L E D G S C S L G F Q F M V D C N N V Q S L P T L T F L I N R V Q F S L P Y S S Y L F R G N D I C A I S V E C S D E L P D I T F T L A G Y N F S I S A Y D Y V L E V S G S C I S T F Q Y M I P C E K V S T L P E V T V K L G G K G Y K D Y T L K V S Q G G R T I C L S Y T V D C N A I P K L P F T L G G K Q F D L E G K D Y V T V T Q Q G Q T T C L S F T V S C E S V S L P E I I T I N G I G Y P L P A R A Y I S Q F P G S C S S L I S C H R T I T L P P V I F T I N G M D Y P L T R K Y Y I Q K V S E D I C F G L V V N C S T I S A L P E V I F T I G G L S Y P V P A S A Y I Q K G N N V C Y S Y T V E C D A R P N L P D L T F N F N G K N F T I G P Y D Y T L E V S G S C I S
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UniRef90_UPI0003BBE627 UniRef90_F7BVZ5 UniRef90_L5LDF2 UniRef90_S8AHA2 UniRef90_B4JMF8 UniRef90_UPI0003C290D5 UniRef90_UPI0003F12D6A UniRef90_E4WUH7 UniRef90_UPI0004573FED UniRef90_G3U597 UniRef90_C5P9L1 UniRef90_M4ARK5	SCSAINSLPNIVFTINGVQYPLPPSAYILQSQQGCTSGFQDCRRVSSMPHVTFTIGHREYTLSAEKYIIKETKEETVCIS YVVSCNQVPSLPDISFHTSADYVLQDPYSNDDLCTLALHGDCNTVPGLPDLSFRLGGVNFTISAEDYTLNVQGSCISAIT GLVDCSTVDSMPVLTFTIGGKQYPLEPAQYILQSDGECQSDCRRLSSLPHISFTIGHKEYKLTAEQYIIKESIDGRSCIS YMIPCEKVADLPPITLKKDYTLLSEDYVLKVSQAGKICLS PCRHMDTMPDIDFTLNGKVYTLTPEDYVMKQEQCISGFMGTVNCEHIHPHVSFNLGGREYVLKGEDYIMKESQFGEDVCGSCSSTVNCEHIHPHVSFNLGGREYVLKGEDYIMKESQFGEDVCGSCSSFMNCDTVNCEHIHPHVSFNLGGREYVLKGEDYIWKESQFGEDVCGTVNCEHIHPHVSFNLGGREYVLKGEDYIWKESQFGEDVCGTVNCEHIHPHVSFNLGGREYVLKGEDYIUKESQFGEDVCGTVNCEHIHPHVSFNLGGREYVLKGEDYIUKESQFGEDVCGTVNCEHIHPHVSFNLGGREYVLKGEDYIUKESQFGEDVCGTVNCEHIHPHVSFNLGGREYVLKGEDYIUKESQFGEDVCGTVNCEHIHPHVSFNLGGREYVLKGEDYIUKESQFGEDVCGTVNCEHIHPHVSFTLAGGNAY
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UniRef90_G1SMJ7 UniRef90_UPl0003958F29 UniRef90_W5L0G6 UniRef90_UPl00038BBFBF UniRef90_Q9TTW7 UniRef90_W5P808 UniRef90_UPl000329C929 UniRef90_H0XYD8 UniRef90_R9XD63 UniRef90_UPl0003290581	EVVKCSDVKSLPDVVFTLHGVKYPLPASAYILKEDDVCTS FLVDCSTIPEMPTLYFALAGAWIPLPPASAYILKEDDVCTS FLVDCSTIPEMPTLYFALAGAWIPLPPASAYILKEDDVCTS SCSEVSNLPTLTFTISGTNFPLPPSAYILNENGYCLV VPCSVNTLPSIIFTINGVQFPLPPSAYILNENGYCLV VPCSVNTLPSIIFTINSINYTVPGGAYIIKNPRGRCYTTF ISCSVNTLPSIIFTINGLNYPVPAQAYIKGSTGHCYTAFR CSLISSFLPDMEFVIGGTTFSVPASQYILNSEGQCSPAVS VVIDCNTTTQLPFVIGGVNYPVPARSYIRKSNPTCISNFK VYIDCKTAPVLTFGFGGHKFSITGDDYIIQVPGQSSRCMP YVVDCNQVPTLPFHLGGRAYTLTGADYVLQDLDGNDDLCG

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UniRef90_Q29LE9 UniRef90_G3PP43 UniRef90_UPI0003C14BF6 UniRef90_W5NZB3	T S S V I L T N Y M D T Q Y Y G E I G I G T P P Q T F K V V F D T G S S N V T T E E L G N S M N M Y Y Y G Q I S I G T P P Q Y F N V V F D T G S S N L G R S E K I Y N F M D A Q Y Y G E I T L G T P G Q N F S V V F D T G S S D L S N L T I R S L R N I R D M Q Y I G N I T I G T P P Q E F Q V V F D T G S S D L S N L T I H P L R D I R D T F Y V G N I T I G T P P Q E F Q V V F D T G S S D L S D L S D G M T D D G D M E W Y G N V V V G T P A Q T Y T V D F D T G S S D F
UniRef90_M5FQW0 UniRef90_G1KB82 UniRef90_B0DC98 UniRef90_F4P765	TASDGMTDDGDMEWYGNVVVGTPAQTYTVDFDTGSSDF YMDASYYGQIGIGTPAQNFLVLFDTGSSNL VPLTNYMNAQYFTEISIETPPQTFKVVLDTGSSNL VEVTNSADAQYYGRIALGTPPQSFLVQFDTGSANL
UniRef90_UPI0003C810CE UniRef90_B5AYD7 UniRef90_UPI0003C1627B UniRef90_D1MX84	GPIPELLKNYMEAQYYGEIGIGTPPQCFTVVFDTGSSNL EAMTNDADLSYYGVISIGTPPQSFNVIFDTGSSNL SNLTIHPLRNIRDILYMGNITIGTPPQKFQVVFDTGSSDL AQTGTESMTNDADLSYYGVISIGTPPQSFKVIFDSGSANL
UniRef90_UPI0003C2AF59 UniRef90_M9MC43 UniRef90_W2TMJ2 UniRef90_Q9VKP7	TASDGMTDDGDMEWYGNVVVGTPAQTYTVDFDTGSSDF YMDASYYGQIGIGTPAQNFLVLFDTGSSNL VPLTNYMNAQYFTEISIETPPQTFKVVLDTGSSNL VEVTNSADAQYYGRIALLGTPPQSFLVQFDTGSSNL GPIPELLKNYMEAQYYGEIGIGTPPQCFTVVFDTGSSNL EAMTNDADLSYYGVISIGTPPQSFKVIFDTGSSNL SNLTIHPLRNIRDILYMGNITIGTPPQSFKVIFDTGSSNL SNLTIHPLRNIRDILYMGNITIGTPPQSFKVIFDTGSSNL ESIANYLDSFYFGEITIGTPPQTFLVLFDTGSSNL ESIANYLDSFYFGEITIGTPPQTFLVLFDTGSSNL ESIANYLDSFYFGEITIGTPPQTFLVLFDTGSSNL SSQTTQVLANGFNLEYTIRLCIGTPPQTFFLVLFDTGSSNL SSQTTQVLANGFNLEYTIRLCIGTPPQTFFQLLFDTGSSNL SNLTIHPLRKFRDLVYMGNITIGTPPQTFFQLLFDTGSSNL SNLTIHPLRNYLDMAYVGNITIGTPPQGFFQVVFDTGSSDL HNNMEYYGTIAMGNPRQNFTVIFDTGSSNT SNLTIHPLRNYLDMAYVGNITIGTPPQGFFQVVFDTGSSDL HPLRNYLDMAYVGNITIGTPPQGFFQVVFDTGSSDL SPVVLTNFLNMWYFGKISIGTPPQGFFQVNFDTGSSDL SPVVLTNYLNSQYYGEIGIGTPPQTFKVIFDTGSSNL GVVYEPLA
UniRef90_Q9VEK4 UniRef90_W5PC14 UniRef90_F1RIE4 UniRef90_B4N9T7	HNNMEYYGTI AMGNPRQNFTVIFDTGSSNT SNLTIHPLRKFRDLVYMGNI TIGTPPQEFQVVFDTGSSDL HPLRNYLDMAYVGNI TIGTPPQQFSVVFDTGSADL LTNRRNIEYYGNI ALGTPPQQFSVIFDTGSANT
UniRef90_B3RK54 UniRef90_Q6R6N5 UniRef90_P00796 UniRef90_UP10002C556D6	E
UniRef90_UPI0002742AD1 UniRef90_G5BML9 UniRef90_G3USD2 UniRef90_A0A017SEJ8	VI Y E SLISNYL DIL LIYVIGLE I SI I GI P P Q I F KIVVI E D T GE A NIT
UniRef90_H0XCT4 UniRef90_R4FMP1 UniRef90_R9AD87 UniRef90_U6NWS8	PUSNFLNAQYYAEI GLGTPPQEFNVI FDTGSWI P
UniRef90_G3WWG2 UniRef90_R9XBP9 UniRef90_L8I1Z2 UniRef90_G7E0P8	EPLINYLDMEYYGVISIGSPPQNFTVIFDTGSSNL TYSSEVINYLNMQYSVDITLGTPPQQFRVALDTGSSLL SNLTSHPLRNIKDLVYLANITIGTPPQEFQVFLDTGSSDL VPLSNFLNAQYFADITLGTPPQEFKVVLDTGSSNL
UniRef90_G8JNR1 UniRef90_B7SCQ0 UniRef90_Q7Z1E4 UniRef90_UPI0003F0BA46	L S A A Y Y G N I Y I GT P P Q Q F L V H F D T T F A N L E P L I N Y L D ME Y Y G V I S I G S P P Q N F T V I F D T G S S N L T Y S S E V I N Y L N M Q Y S V D I T L G T P P Q Q F R V A L D T G S S N L S N L T S H P L R N I K D L V Y L A N I T I G T P P Q E F R V V L D T G S S N L V P L S N F L N A Q Y F A D I T L G T P P Q E F R V V L D T G S S N L S N G H P L A L D N F V N N Q Y Y S E I G L G T P P Q S F R V V M D T G S S N L V G T Q S M T N D A D L A Y F G I I S I G T P P Q S F R V V F D T G S S N L G P S P E P L S N Y L D A Q Y Y G V I S I G T P P Q S F R V V F D T G S S N L G T S P M L T N Y L D T Q Y Y G E V G I G T P P Q T F R V I F D T G S S R S Y Y V G N I S I G T P P Q S F I V L F D T G S S R S T G V F Q I S N Y D N F Q Y Y G S I N I G T P P Q E F R V I F D T G S S N L
UniRef90_T1GRX0 UniRef90_L5KRS4 UniRef90_B3MSE3 UniRef90_U6PX41	ESLQNFENEAYFGNITI GTPPQSFIVLFDTGSSKS YYVGNISI GTPPQEFKVIFDTGSADL TGVEQLSNYDNFQYYGSINI GTPGQNFQVQFDTGSSNL LSNYLNAQYYGTIQLGTPPQTFKVLFDTGSSNL
UniRef90_UPI000273CD01 UniRef90_UPI0003C14553 UniRef90_UPI0004445322 UniRef90_Q9VQ12	VAYEPIITNYLDSFYFGEIISTGTPPQNFLVLFDTGSSNL SNLTIHPLRNLRDILYVGNIITIGTPPQNFSVAFDTGSAVL
UniRef90_B3A0T3 UniRef90_K3W8C6 UniRef90_UPl00023AD28D UniRef90_E1B803	N Y A D T T Y Y G A I S I G T P P Q S F Q V L F D T G S S N L S T S V V I K N Y A N V Q Y Y G E V S V G T P P Q T F T V I Y D T G S S N L S N L T T L P L R N I R D M L Y V G N I T I G T P P Q E F Q V V F D T G S S D L
UniRef90_F6YRX8 UniRef90_R4FNG1 UniRef90_B3MSE4 UniRef90_Q9TTX3	L N N N L N D Y Y G E S L G T P P Q N F S V F D T G S S W V E P L S N Y D N Y Q Y Y G N S G T P P Q Y F N V Q F D T G S S N L S N V T V V P
UniRef90_L8WSC1 UniRef90_B3SBG2 UniRef90_W9W5R5 UniRef90_G3N0Q4	SVLLTDEQDELIWAGEI SI GTPGQKFIL I DFDTGSADL SGSS <u>VE</u> RLKTDFDISYYGI I SI GTPPQDFKV <u>N</u> FDTGSSDL GPHEVPVFNFI NAOYFSTI ALIGTPAOFFKVVI DTGSSNI
UniRef90_D7FLX5 UniRef90_L0PG89 UniRef90_B3MJW5 UniRef90_H0X9S5	S G E G K V I V K D Y Q N A Q Y Y G Q V E I G T P P Q S F E V I F D T G S A N L VS L T N F F N A Q C R I D I T I G T P P Q T F K V V L D T G S S N L A S F G T F T I H D S A D R F Y Y G I I S I G T P K O N F N I I F D T G S A N I
UniRef90_C4R6G8 UniRef90_M0QVZ3 UniRef90_UPl0003AF7609 UniRef90_G1M378	SNITPVPMRNFLDLSYVGNITIGTPPQEFQVIFDTASSDL GMVYFPLA YLDSLYLGELGLGSPPQNFLVLFDTGSSSL
UniRef90_B3N528 UniRef90_G4VFY7 UniRef90_H2ZA35 UniRef90_Q75XX5	SAGDTESIL QNSMNNEYYGVITTI GTPQQRFNILFDTGSANL GIDIEYLENYQNIEYYGEISI GTPPQIFHVIFDTGSSYL TSNEPLTNYLDAQYFGEIAI GTPPQSFSVIFDTGSSNL
UniRef90_L9JBJ6 UniRef90_S2JDB2 UniRef90_UPI000455ECF1 UniRef90_W5QC55	EPLTNSFNMQYYGTVSIIGSPLQNFSVLFDTGSSDF DVEYLGRIIQIIGHPPQEFYLNFDTGSADI TEKLTDDESELWYGSIISVGTPAKTYTVDEDTGSSDI
UniRef90_U3J184 UniRef90_B7QBB2 UniRef90_L8J1D6 UniRef90_B5DLA8	V
UniRef90_UPI00045DF899 UniRef90_Q18DC8 UniRef90_Q6HA03 UniRef90_R4WQM9	TASTILTNFRDTQYTGEISIGTPPQEFQVIFDTGYTDW TASTILTNFRDTQYYGEISIGTPAQIFKVVFDTGSSNL FSMTNDADIAYYGIISIGTPAQSFKVVFDTGSSNL
UniRef90_UPI000350B9A8 UniRef90_UPI0003F0879D UniRef90_F6Q3A5	VVSLSNYMNAQYYGEI GLGTPEQKFRVIFDTGSANV GTAPTLLTNYLDTQYFGEI SI GTPPQTFKVVFDTGSANL TNTYLDASYYGEI GI GTPPATFLVLFDTGSSYL HPLRSYKDFSYLGNI NI GTPPQEFQVLFDTGSSSL

UniRef90_B6Q342 UniRef90_UPI0003EC16CF UniRef90_M1VUI8 UniRef90_O76856	WV PSSSOWV PSI HOWV T D T DOWN WI PSKKO	50
UniRef90_P00797 UniRef90_Q29LE9 UniRef90_G3PP43 UniRef90_UP10003C14BF6	WV PSSKO WI PSAQO WV PSTYO	N S A C Y L H S K Y D S S S S S T Y K K N G S D F A Q Y G S G C D A C W H H K Y N S G K S S T Y V E N G T T F D H Y G S G S C K M L K G Q T L Y R P A S S S S S R R L V G E K W N K Y Q D G S C P T V C D L H N K Y N S G A S S T Y V A N G T D F T Q Y G S G S R R L Y T A C V Y H K L F D A S D S S S Y K H N G T E L T L R Y S C T D V A C Q Q H N Q Y N A S A S S T Y V A N S Q N F S Q Y G T G C Y S Q A C A S H R R F K A F E S S S F F H D G R T F G V H Y G S G C T S P A C A T H V K F R Q F H S S T F R H T L K A F R T Y E T G C C S S T D Y N P S S S S T S K P L G K T F T L T Y G A G G C S C S T H V R F R H L E S S T F R P T N K T F W I N Y G S G C S C S S C S C Y G H K Q Y N S Q A S S T F L S N G S R E V S L P F G S C S C S C Y G H K Q Y N S Q A S S T F L S N G S R E V S L P F G S C S C S C Q N H A K F N P A Q S S T F T W A N K P V S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G T G C S C T S T S T S T S
UniRef90_W5NZB3 UniRef90_M5FQW0 UniRef90_G1KB82 UniRef90_B0DC98	WV PSV FO	N S S T C S T H V R F R H L E S S T F R P T N K T F W N Y G A G G D C G S H D T Y N P S S S S T S K P L G K T F T L T Y G D G S E N T E A C T R H A R F N P S Q S S T Y S T N G Q T F F L Q Y G S G A S I S C Y G H K Q Y N S Q A S S T F I S N G S R E V S I P F G S
UniRef90_F4P765 UniRef90_UPI0003C810CE UniRef90_B5AYD7 UniRef90_UPI0003C1627B	WLPSTRO WVPSIHO WVPSVYO WVSSDY	SDPACVKHSQFNRLLSSTWTSLTQTFSIQYGTG KACWIHHKYNSGKSSTYVKNGTTFDSPQVPCNS SSQACQNHAKFNPAQSSTFTWANKPVSIQYGTG NSSDCSTNVRFRHRQSSTFQPTNKTFRIIYGSG
UniRef90_D1MX84 UniRef90_UPI0003C2AF59 UniRef90_M9MC43 UniRef90_W2TMJ2	WVPSVY WVPSTY WVPSTK WFNCKKS	CSSQACQNHDKFNPQASSTFQATNQPLSIQYGTG QTQACSNHVRFNPTQSSTYSALGNNYTLPYGFG CSSLACFLHKKYDSSASSSYKKNGTEFKLQYGSG SSTCT ETNQPFELQYGSGSMKGVVDNDVVCFG
UniRef90_Q9VKP7 UniRef90_Q9VEK4 UniRef90_W5PC14	WV PSV KO WL PSV NO WV PSD FO WV PSV Y	CTNEACQKHNKYNSSASSSHVEDGKGFSIQYGSG CPMSNCQNHRKYNSSRSSSYIPDGKGFSIQYGSG CTSPACSTKIMFRHLQSSTSRPTNKTFRIAYGSG CKSLACVTHRSFKPARSSTFRLPGKNFELEYGSG
UniRef90_F1RIE4 UniRef90_B4N9T7 UniRef90_B3RK54 UniRef90_Q6R6N5	WI PSSN WI PSSK WV PSVN	CKSLACVTHRSFKPARSSTFRLPGKNFELEYGSG CPRTNVACQRHRRYNASSSTSHVLDGRNFSLSYG CHNSYCTLHKTFNHSASTTFRPSNYIVSFRYLIS CQSPSCSKHKRFNPQKSTTFQHLDQKINLSYGSG CSRLYLACGIHSLYESSDSSSYMENGDDFTIIHYG
UniRef90_P00796 UniRef90_UPI0002C556D6 UniRef90_UPI0002742AD1 UniRef90_G5BML9 UniRef90_G5BML9	WVPSTKO PSVQYQS WVPSVFO WVPSTKO	CSRLYLACGIHSLYESSDSSSYMENGDDFTIHYG SQACGKSGRSCFSPNMSSTYSSNGQTFSVQYGSG DMEPCERHRRPSGELRTRELRYGSADVIGFIAS SPLYTACEIHSLYDSAESSSYIENGTEFSIRYG
UniRef90_G3USD2 UniRef90_A0A017SEJ8 UniRef90_H0XCT4 UniRef90_R4FMP1	WV P S C K C WV P S V Y C S H K C S F F	CSPLYSACISHSRYDSSKSRTYLANGTGFALRYG GSLACYLHNKYDSSASSTSKKNGSEFSIQYGSG QDQACTSHSRFNPSASSTYSTNGKMFLLGYGSG NACWTHKTYDSSKSSTYEANGTALELRYVSGS
UniRef90_R9AD87 UniRef90_U6NWS8 UniRef90_G3WWG2 UniRef90_R9XBP9	WV PSDK WV PCSW WV PSVY WV PSDR	S S Q A C Q N H A K F N P A Q S S T F I WAN K P V S I Q Y G I G N S S D C S T N V R F R H R Q S S T F Q P T N K T F R I I Y G S G C S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G F G G S S Q A C Q N H D K F N P Q A S S T F Q A T N Q P L S I Q Y G S G S M K G V V D N D V V V C F G G S S I A C F L H K K Y D S S A S S S Y K K N G T E F K L Q Y G S G S M K G V V D N D V V V C F G G S T C T E T N Q P F E I Q Y G S G S M K G V V D N D V V V C F G S S T C T E T N Q P F E I Q Y G S G S M K G V V D N D V V V C F G S S T C T E T N Q P F E I Q Y G S G S M K G V V D N D V V V C F G S G S M S N C Q N H R K Y N S S A S S S Y L P D G R N F T L R Y G S G G T S P A C S T K L M F R H L Q S S T S R P T N K T F R L A Y G S G G T S P A C S T K L M F R H L Q S S T S R P T N K T F R L F S J G S G G G S P S C S K H K R F N P Q K S T T F R P S N Q K L N L S Y G S G G G S P S C S K H K R F N P Q K S T T F R D D Q K L N L S Y G S G G G S P S C S K H K R F N P Q K S T T F R L R Y V G G G G S S S S S S S S S S S S S S S
UniRef90_L8I1Z2 UniRef90_G7E0P8 UniRef90_G8JNR1 UniRef90_B7SCQ0	WV PSDF (WV PSTR)	T S P A C S K H V R F R H L Q S S T F R L T N K T F S I T Y G S G S S L A C F L H K K Y D A S A S S T Y K E N G T E F K I Q Y G S G V S E A C L N H A R F D H D R S S S Y A K N D S R F S V S Y G K G S S P A C N N H D K F N P S L S S T Y R Q N G A S L R I Q Y G T G
UniRef90_Q7Z1E4 UniRef90_UPI0003F0BA46 UniRef90_T1GRX0 UniRef90_L5KRS4	WVPSKKC SKCSPL STYVPNO WVPSLY	CSSIACFLHKKYDASASSTYKENGTEFKI QYGSG CSSIACFLHKKYDASASSTYKENGTEFKI QYGSG CVSEACLNHARFDHDRSSSYAKNDSRFSVSYGKG CSSPACNNHDKFNPSLSSTYRQNGASLRI QYGTG CHYTNIACHNKYDSRKSKSYVANGTQFALQYGSG CTACETHNRYDSSESSSYVENGSEFAI NYGSGKV GEPFKI VYGSGALEGYVSQDI LQIAGLTVRNQQF CSSKACTTHNVFDPRLSSTFRSTRQRI RLIYGSG CTSSSCMVHTRYSSYQSSTFRSTRQRI RLIYGSG
UniRef90_B3MSE3 UniRef90_U6PX41 UniRef90_UPI000273CD01 UniRef90_UPI0003C14553		CTSSSCMVHTRYSSYQSSTYKSNGSLFNI TYGTG PKSNKTCSQHQKFNCAQSSTCTQTYQSLPLRYG QSQAYSNHNRFNPSLSSTFRNNGXTYALSYGSS NISTCSTHVTFRHHQSSTFRPTNKTFWI NYGAG PSPACVNHRRFNPRLSSSFLNSSRTMKLVYSTG
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UniRef90_B3MSE4 UniRef90_Q9TTX3 UniRef90_L8WSC1 UniRef90_B3SBG2	WV PS I F O	CKSSSCSTRARFRHRQSSTFRRVNKTFGILYGAG CKSSSCSTRARFRHRQSSTFRRVNKTFGILYGAG CRDDGCQNKNFSSSSTAKKVTSSQKFNISYGDGS NDNLACKRHKYDHSKSSTYKPNGQFWDITYLTG CGSLACYLHQKYDSSASSTYKKNGTNFGIRYGSG
UniRef90_W9W5R5 UniRef90_G3N0Q4 UniRef90_D7FLX5 UniRef90_L0PG89	WVPFIIF WVAGSK WVPSSK	CISPSCYIHNIFKYHESSIYWNINKPILNIIYEIG CGLSCGLHSRYAASKSSTHAEDGRDFEITYASGP CTSLACIIHSKYDSSISSTYIANGSKFFIRYGSG
UniRef90_B3MJW5 UniRef90_H0X9S5 UniRef90_C4R6G8 UniRef90_M0QVZ3	WV PS FF WV PS KDO WV PS I FO	SNKACQKHNKYHSGESSTYVANGESFSI EYGTG LITSSCYKHRRFNHKNSSTLKLPPEPISI VKIRY CGSLACFLHAKYDHDESSTYKKNGSSFEI RYGSG TSPACSTHVRFRHLQSSTFWLTNKTFRLTYGSG
UniRef90_UPI0003AF7609 UniRef90_G1M378 UniRef90_B3N528 UniRef90_G4VFY7	WV PSAS(T S P A C S T H V R F R H L Q S S T F W L T N K T F R L T Y G S G S N T R N A F K Y Y E S S T S R D M N T P L S L I C G T G L M K G Q S Q A C D S H S R F N P N M S S T Y S S D G Q L F S V R Y G S G P N T A C Q R H N K Y N S T A S S T Y V A N G E E F A L E Y G T G D P S N L A C Q L H H K Y D S S K S L T Y K P N F Y V Q Y G T G T P S N N Y A C L L H N K Y D S D N F A L Q Y G T G S M V G F E S V
UniRef90_H2ZA35 UniRef90_Q75XX5 UniRef90_L9JBJ6 UniRef90_S2JDB2	WI PSATO WI PSVYO WVTSVYO WVPASD	CSQACENHKRFNPQQSSTFHWGNRPLSIQYGTG CISPACEKHTKFFSSRSNTYSKKGSNFFIEYGSG CHRCGGKRHYESSLSRSFRTEFADEKSTWQVRYS
UniRef90_UPI000455ECF1 UniRef90_W5QC55 UniRef90_U3J184 UniRef90_B7QBB2	WV PSI Y C	CSSQACENHKRFNPQQSSTFHWGNRPLSIQYGTG CISPACEKHTKFFSSRSNTYSKKGSNFFLEYGSG CHRCGGKRHYESSLSRSFRTEFADEKSTWQVRYS CSTCSGHTKYDPSSSSTSKSTGKSFSLAYGDGST CQSLAYSRKVMFRHLYSSTFRPTQKIFSIKYLTG CTSKACSLELQREGRGSRDRSSSTYQPVGIPFSL CTSKACSLELQREGRGSRDRSSSTYQPVGIPFSL CTSKACSLELQREGRGSRDRSSTYGPVGIPFSL CTSKACSLELQREGRGSRDRSSTYGPVGIPFSL CTSKACSLELQREGRGSRDRSSTYGPVGIPFSL CYSLDCYNHSQYSSANSTTYQINGTPFTLTYGSG
UniRef90_L8J1D6 UniRef90_B5DLA8 UniRef90_UPI00045DF899 UniRef90_Q18DC8	WV PSHF WI PSVN MPSLYCH WV PSHQ	P S P A S S T Q V R F R H Y K S S T F W P T Q K T F S I A Y G S G Y S L D C Y N H S Q Y S S A N S T T Y Q I N G T P F T I T Y G S G H S P A C V H H K A F N P V G S S T F Q F L D Q P I S L T Y G T G S C S P L Y S A C V S H N R Y D S S E S S T Y K P K G T K I T L T Y G C N S P A C N N H D K F N P S T S S T F R N N G H S L S L Q Y G T G
UniRef90_Q6HA03 UniRef90_R4WQM9 UniRef90_UPI000350B9A8	WIPSLY WVPSKK WVPSCK	NSPACNNHDKFNPSTSSTFRNNGHSLSIQYGTG SIFCWTHRNYNSAASTTYKPDGKEIDLSYVSGS SPLYSACVSHSRYDSSKSRTYIANGTGXAIRYS PESNMACAFHNSYDNLKSSTYTATRESFNLTYG

UniRef90_B6Q342 _	90 100 110 120 SLEGFVSRDTVTIGDITIKDQDFAEATNEPGLAFAFGRFD
UniRef90_UPI0003EC16CF UniRef90_M1VUI8 UniRef90_O76856	LSGYLSQDTVSVPCNVKVERQVFTKQPGITFIAAKFDGIL SASGILYLDTVQIGGTRVLKMGIESPYTVSNDIANDKFVS AMSGFVSQDSVTVGSLTVKDQLFAEATAEPGLAFDFAKFD
UniRef90_P00797 UniRef90_Q29LE9	A MS G F V S Q D S V T V G S L T V K D Q L F A E A T A E P G L A F D F A K F D T G T V S G F L S Q D I I T V G G I T V T Q M F G E V T E M P A L P F M F I E Q S V T G Y L A M D T V T I N G L A L A N Q T F G E Q P G S S F T D V A F D G I L H L L G V M A R E T L K I G S L T T L N Q E F V Y E P G S A F V R A K F D G V L R M R G F V A Y D T V R I G D L V S T D Q P F G L S V S E D G F E G R A Y D G N R I E G V V V R D T V R I G D L V S T D Q P F G L S W A E Y G L E G R R F D G L T S G T Q Y T D T V S I G S T V K D Q T L G S A T S Y S S E F E E S V Q D G L M N L A G F F G Y D T L T L Q N I V V T N Q E F G L S K N E P G A N F I Y M A Y P T T P R G V V S N D V F N I G D L R I R G Q N F V E V P L F S I T I I K V R R D S L S G V M S S D T F Y M A G L T V T N Q S F A E S V S Q P G T T F I N T K Y D A V A T L G G V K V E R Q T F G E A T K Q P G L T F L A A K F D G I L G M A Y P S M T G R L A Y D T V S V G G I S V T Q Q I F G A S Q T E A P F M A N M V A D G I E G V V A Y D T V R I G D L V S T D Q P F G L S V A E Y G L K G R R C D G N S M T G Y L G Y D T V E V G G I T V P N Q I F G L S V A E Y G L K G R R C D G N S M T G Y L G Y D T V E V G G I T V P N Q I F G L S V A E Y G L K G R R C D G N S M T G Y L G Y D T V E V G G I T V P N Q I F G L S V A E Y G L K G R R C D G N
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UniRef90_UPI0003C810CE UniRef90_B5AYD7 UniRef90_UPI0003C1627B	SMT GRIL A Y D T V S V G G I S V T Q Q I F G A S Q T E A P F MA N M V A D G I I E G V V A Y D T V R I G D L V S T D Q P F G L S V A E Y G L K G R R C D G N
UniRef90_D1MX84 UniRef90_UPI0003C2AF59	SMT GYL GYD TVEV GGI TVPN QIFGLS QTEAAFMAYMAADGEVDVTL GSD TVTI QNV VVTN QVFSPFYYTYFD GILGMAYP
UniRef90_M9MC43 UniRef90_W2TMJ2 UniRef90_Q9VKP7	S ME GIL VS N DIV LIKI I G DIL I I I I K G Q D F A E A I S E P G L A F A F G K F D S D H K W C T D K T Q G L A C A T Q E P G L A F V G A K F D G L L G M G W D R I S I S G F L S T D T V D L D G M V L R N O T F A E A L D E P G S A F V N T L F D
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UniRef90_B3RK54 UniRef90_Q6R6N5 UniRef90_P00796	RMNGVLGCDTVQIGNLVIVNQTFGLSQNQSSGVLEQVPYD SGRVKGFLSQDSVTVGGITVTQTFGEVTELPLIPFMLAQF
UniRef90_UPI0002C556D6 UniRef90_UPI0002742AD1	I E GV V A Y D T V R I G D L VS T D Q P F G L S V A E Y G L K G R R C D G N S M T G Y L G Y D T V E V G G I T V P N Q I F G L S Q T E A A F M A Y M A A D G E V D V T L G S D T V T I Q N V V V T N Q V F S P F Y Y T Y F D G I L G M A Y P S M E G L V S N D V L K I G D L T L K G Q D F A E A T S E P G L A F A F G K F D S D H K W T D K T Q G L A C A T Q E P G L A F V G A K F D G L L G M G W D R I S L S G F L S T D T V D I D G M V I R N Q T F A E A I D E P G S A F V N T I F D M V V G Y L S K D T M H I A G A E L P H F T F G E S L F L Q H F A F K F D G L V R M K G V V A H D T V R I G D L V S I G Q P F S L S V A Q Y G L G R W R F D G V K I S G F L S V D T V R I G R L R T M N Q V F G L S Q L E T G E A F E H G V F D S G T V T G Y L S K D T L H L A G V E V A N I S F G Q A L L Q H Q S V F S S V J T D V K G F V G Q D V V S I G G I A V Y K Q I F S E I F Q L S W S N S R R K T R F R M N G V L G C D T V Q I G N L V I V N Q T F G L S Q N Q S S G V L E Q V P Y D S G R V K G F L S Q D S V T V G G I T V T Q T F G E V T E L P L I P F M L A Q F S L S A V Y S Y D T L R V Q S I X V P S Q G F E H E P S P C F L Q L K F D G I M D T L K I G D L E A I R Q A I V L S T S V D Y A F W S F A A Y D G V L G L A Y P S G K V K G F L S Q D V V M V S D I P L F P F I F A R F D G V L G M G Y P S Q A
UniRef90_G5BML9 UniRef90_G3USD2 UniRef90_A0A017SEJ8	T G S V K G F L S Q D V V M V S D I P L F P F L F L A K F B C V L G M G Y P S Q A S L S G F V S E D T V K I G D L K I D N O L F A E A T S E P G L A F A F G R Y D
UniRef90_H0XCT4 UniRef90_R4FMP1	NLIGTFALDTLTI QSI QI HNQEFGLSQSEPTANFIIYAGFD MKGF LSRDTLKVGGI TVEDQTFAEAVKEPFVFAKFDGLF
UniRef90_R9AD87 UniRef90_U6NWS8 UniRef90_G3WWG2	SLKGI VGQDTLAINDLHVKNQLFAEATSEPGLAFAFGKFD TVNDLVCFGCGLGSYCTSRTQGFGCAVELVGLANRMFDGV
UniRef90_R9XBP9 UniRef90_L8I1Z2	DARARVAVDTLYFAGAKI ENQGFGQADNVADVFYYAQFDG RMKGVVAHDTVRIGDLVSTDQPFGLSVEEYGFDHIPFDGI
UniRef90_G7E0P8 UniRef90_G8JNR1	SLEGVISNDVMTIGDITIKKQDFAESTKEPGLAFAFGKFD SMEGFVSYDTLKIGDLTIKNQGFTVEPGSAFVYGQFDGLL
UniRef90_B7SCQ0 UniRef90_Q7Z1E4 UniRef90_UPI0003F0BA46	S G K V K G F L S Q D V V T V G G I T V T Q T F G E V T E L P L I P F M L A K F T G S V K G F L S Q D V V M V S D I P I F P F I F A R F D G V L G M G Y P S Q A S L S G F V S E D T V K I G D L K I D N Q L F A E A T S E P G L A F A F G R Y D N L L G T F A L D T L T I Q S I Q I H N Q E F G L S Q S E P T A N F I Y A G F D M K G F L S R D T L K V G G I T V E D Q T F A E A V K E P F V F A K F D G L F S L K G I V G Q D T L A I N D L H V K N Q L F A E A T S E P G L A F A F G K F D T V N D I V C F G C G L G S Y C T S R T Q G F G C A V E I V G L A N R M F D G V S S L S W G F F F S C Q V E G I T V A N Q Q F G E S V S E P G S T F V N A E F D D A R A R V A V D T L Y F A G A K I E N Q G F G Q A D N V A D V F Y Y A Q F D G R M K G V V A H D T V R I G D L V S T D Q P F G L S V E E Y G F D H I P F D G L S L E G V I S N D V M T I G D L T I K N Q G F T V E P G S A F V Y G Q F D G L L S M E G F V S Y D T L K I G D L T I K N Q G F T V E P G S A F V Y G Q F D G L L S M I G F L G Y D T V T V G G F A V Q N Q I F G L S T S E A P F M Q Y M R A D G S L S G F L S T D D V T V G G I M V T Q M F G E V T E L P V I P F M L A K F D G I L A E S T N S G Q F F G E M P F D G I F G L G F E L P V I P F M L A K F D G I L M S G F L G Y D N V Q I G S L V V V S Q A F G L S Q K E S N K S F E N G T F D
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UniRef90_B3MSE3 UniRef90_U6PX41 UniRef90 UPI000273CD01	
UniRef90_UPI0003C14553 UniRef90_UPI0004445322	SLSVFLGYDTVTVHNIIVNNQEFGLSENEPSDPFYYMAYPRIEGVIARDTVRIGDLVSTDQPFGLSTAEYGFEGRKFDGLRMSGLVGYDNVQIGNLVAMSQAFGLSTLEPGTEFNRAPFD
UniRef90_Q9VQ12 UniRef90_B3A0T3 UniRef90_K3W8C6	SIVSGYLALDIVIIINGLAIANQIFIVSQPGASFID <u>VAFDGLL</u> SILYGTEGYDTEALSNIVIPNOFIVGLSTNEPGENFIVVAKED
UniRef90_UPI00023AD28D UniRef90_E1B803	RMKGVVAHDTVRIGNLVSTDÖPFGLSMAEYGLESRRFDGN SMKGFLAYNTVWFGDLVSTGQLFGLSFVEYGCEGAPFDGI
UniRef90_F6YRX8 UniRef90_R4FNG1 UniRef90_B3MSE4	V F N H F S T L K I Q G I S I T N Q E F G L T L T E P T S N F Y Y S P F D G I L V E G H Y S T D T L T V G S L Q V V N Q T F G E T T K E S D N P F K H A K C D G S V S C F M S O D V V T V A C I S S T N C I S T T E S C S N F O S A Y E D G I L
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UniRef90_B3SBG2 UniRef90_W9W5R5	SVGGIKSEDTVVVAGIKVKNQTFGEAVSEIGPFARLKYDG EVAGFISQDVLRIGDLKIKDQLFGEATSEPGLAFAFGRFD
UniRef90_G3N0Q4 UniRef90_D7FLX5 UniRef90_L0PG89	VS G S L S A D T VT WK D Q T F A E V Q D A K G L G L A F I L G K F D G I M G S I S G F I S T D K F S V S D I V L P A Q E F A E A M S E P G F T F T F G R F D
UniRef90_B3MJW5 UniRef90_H0X9S5	VSQDTVEIGSLTLANQTFAEVNVTSGLGSLYSEGTFDGLLRMKGVVAHDTVRLGNLVSTDQPFGLSMAEYGLESRRFDGNSMKGFLAYNTVWFGDLVSTDQPFGLSMAEYGLESRRFDGNSMKGFLAYNTVWFGDLVSTGQLFGLSFVEYGCEGAPFDGIVFNHFSTLKIQGISITNQEFGLTITEPTSNFYYSPFDGLVENHAKGDGSVSGFMSQDVVTVAGLSSTNQIFTTESGSNFQSAYFDGILVENHAKGDGSVSGFMSQDVVTVAGLSSTNQIFTTESGSNFQSAYFDGILKMKGVVVHDDTVRLGDLVSTDQPFGLSMVESGFEHRQFDGVTASGPLYTDTVSAGGLSVTNQSFSAVTSESSSFSDDPSDGSVGGLKSEDTVVVAGIKVKNQTFGEATSEPGLAFAFGRFDIMKFAYDTTWTGDLVSTDQPFEINKFDNTPFDGLLGLNYPVSGSLSQDVLRIGDLKKKNQTFGEATSEPGLAFAFGRFDIMKFAYDTTWTGDLVSTDQPFEINKFDNTPFDGLLGLNYPVSGSLSADTVTWKDQTFAEVQDAKGLGLAFILGKFDGIMGSISGFLSTDKFSVSDIVLPAQEFAEAMSEPGFTFTFGRFDSLSGFLSTDKFSVSDIVLPAQEFAEAMSEPGFTFTTFGRFDSLSGFLSTDKFSVSDIVLPAQEFAEAMSEPGFTFTTFGRFDSLSGFLSTDKFSVSDIVLPAQEFAEAMSEPGFTFTTGRFDSLSGFLSTDTVEVAGIQIAFILGKFDGTLGLASMEGYVSQDVLQIGDLTIPKVDFAEATSEPGLAFAFGKFD
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UniRef90_G1M378 UniRef90_B3N528	GLSGTYGYDTLRVQSTQVPNQQFGLSEHEPSPYFNQLKFD SLSGFLSTDTVALAGVTIRDQTFGEALSEPGTTFVDAPFA
UniRef90_G4VFY7 UniRef90_H2ZA35 UniRef90_Q75XX5	A S G F L IS S D C V H I G S L N I V D Q T F G E V I N Q P G K V F V N F H F D G D T V K I A G I P S T N Q V F A E A T E E P G I T F V A A K F D G I L G M G Y P S M T G Y I A S D T V F V G G I S V A N Q V F G I S Q S F A P F M A H M K A D G
UniRef90_L9JBJ6 UniRef90_S2JDB2	S MT G Y L A S D T V E V G G I S V A N Q V F G I S Q S E A P F M A H M K A D G S L S G I T G V D R V S V G G L T V V D Q E F G E S V T E P G Q H F V Y A A F D V S G I I G H D T I T I G N D I S L E D Y S F G I A K E Q A H G F A R D P F I D
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UniRef90_U3J184 UniRef90_B7QBB2 UniRef90_L8J1D6	NVEGFISK DV CRIGS AKVS GQPL GEAL VVGGESL LEAPFD NMNPV LALLHVSIGDL VSTEQPFRLS MAENGFYPNISFIG SVVGILST DV VTVAGLKI LNQTFITETGAGMQDSSFDGLF
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UniRef90_Q18DC8 UniRef90_Q6HA03 UniRef90_R4WQM9	MNGFLASNTVKVAGLVNVAQDFGLSIQEPGKFMGSVPFDS QGYIEGFLSQDIVRVADIPITQFFPFMYAHFDGVLGMGYP SMTGFLGYDTVTVGGLAVKNQMIGLSETEAPFMQYMRADG LTGFLSEDTLTLGGLKVQKQTFIEAVNEPGLAFVAGKFDG
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UniRef90_F6Q3A5	SIK GYLVYDT VRI GNLVŠVA QPFGLSLKEFGFDDVPFDGL

	130 140 150 160
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UniRef90_G1KB82	SLAVGGATTALER MLQENLLSQSVFSFYLSRQPNSQYGGE
UniRef90_B0DC98 UniRef90_F4P765	GLGYPALAEILGNPVFDNLLAQKAVEEPVFSFFLSRRTSS FPNKSFSGALPIFDKLKNEGALSEPVFAFYLSKKEREGSV LGLNYPR LLYCRPQDIVDGAQIPPLTFFYRDKQKGSV GLAWPQLSVYPATPFVFNLNNQGALSSGSFSFKLAESGSS SLAVGGATTALERMLQENLLSQSVFSFYLSRQPNSQYGGE IGPCALDDTISVPSPFSNMITEKLIASPVFSFHISTDTFD GVGMREISINNVATPMENMHAQGLIPAGVFGLYLTKNGSV ERISVNNVLPVFDNLMQQKLVDKNIFSFYLNRDPSAQPGGE ILGLAFPNATPVFDNMMSQGLVSQNLFSVYLSGNSAQGSV
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UniRef90_B5AYD7 UniRef90_UPI0003C1627B	LIGLAFPNATPVFDNMMSQGLVSQNLFSVYLSGNSAQGSV
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UniRef90_UPI0003C2AF59	
UniRef90_M9MC43 UniRef90_W2TMJ2	SIVININII IPO PINIDO II IE ANKAII ICAE PIVIEAE WILINIRIDI IN NINAA GGE
UniRef90_Q9VKP7	G <u> G M A F</u> A S <u> S V </u> T T P <u>F D N </u> R Q G V K <mark>H P </mark> V F S V Y L R R D G G E
UniRef90_Q9VEK4 UniRef90_W5PC14	GLGLGVLSWSNTTPFLELL <mark>C</mark> AQRLLEK <mark>C</mark> VFSVYLRRDPRE LGLNY <u>P</u> NLSHS <u>G</u> AIPIFDKGAISEPVFAFYLSKDKQEGS <u>V</u>
UniRef90_F1RIE4	F P S L A L K G T T P I F D N L K K Q G Q L S <u>E P V F</u> A <u>F Y L </u> S <u>T R</u> K E E G S A
UniRef90_B4N9T7 UniRef90_B3RK54	F D G
UniRef90_Q6R6N5	V P S LAV P G T L DV F D N L K N O G V T S F S V F A F V L S S O P G N S S V
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UniRef90_G5BML9 UniRef90_G3USD2	D G V L G M G F P A Q A V G G I T P V F D H I L S Q R V Y Y S R D S H L L G G E I D G I T P V F D R I I S Q Q I L K E D V F S V Y Y S R W S R N A P L K P G G E
UniRef90_A0A017SEJ8	IDGITPVFDRI ISQQILKEDVFSVYYSRWSRNAPLKPGGETISVNKI VPPFYSLVNQKKVDEAVFAFYLGDANKDGDTSEGMGYPSLSVGGATTVLENMLYAHLLNSSVFSFYFNKTMGSGLAFPNKATLNVEPPFYKMMNQRAIETGIFSVHLNRDGELGIGYDTISVNDLPPPFYNLIDQGLLDEPVFSFYLTDGDSQFGMAWRPLPAYGTSPPLDQLFANKTLCPEALFAFYMAPGE
UniRef90_H0XCT4 UniRef90_R4FMP1	GLAFPNKATLNVEPPFYKMMNQRAILETGIJFSVHLNRDGEI
UniRef90_R9AD87	GLGYDTISVNDIPPPFYNLIDQGLLDEPVFSFYLTDGDSQ
UniRef90_U6NWS8 UniRef90_G3WWG2	
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UniRef90_L8I1Z2 UniRef90_G7E0P8	LIGILIN Y P KILSSSG A I I P I F D K L K N Q E P V F A F Y L S K D E Q E G S V G I A Y D R I A V Q H V T P P F Y N M I A D G L V D K A E F S F W L G D P G G E
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UniRef90_UPI0003F0BA46	G GMG <u>F</u> PA <u>QA V</u> SG <u>V</u> TP V FDN IV SQG V <u>L</u> K <u>E</u> D V FS V YYSRNGGE
UniRef90_T1GRX0 UniRef90_L5KRS4	Y P NII IA F R G S T PII IF D NII IWK Q GII T IS Q NII IF A F YII IS S N N K K R SIV
UniRef90_B3MSE3	GILIA F P MILIAIVINIL VIT P F F Q NIL I IS Q KIV VIQ Q PIVIF S F YILIR N N G T T
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UniRef90_UPI0004445322 UniRef90_Q9VQ12	G M G Y O O I A F D N V V P P F Y N I Y F F G I I D F P V F G F Y I A R N G G O
UniRef90_B3A0T3	
UniRef90_K3W8C6 UniRef90_UPI00023AD28E	GLIGFDSI SENNI PSPFGRLVSSGALDEPVFAFYLSKADGV DYPNI S <mark>C</mark> SGALPI FDKI KNEGALSEPVFAFYLSKDKREGSV
UniRef90_E1B803	GLGFDSISENNI PSPFGRLVISGALDEPVFAFYLSKADGV YPNLSCSGAI PIFDKLKNEGAI SEPVFAFYLSKDKREGSV LGLNYPNI SVFGAI PIFSNLKNQGAI SEPFAFYLSKCGSV GLAYPGLSVEGAQTVLQGMMQENLLNPSMFSIYLHSQSGE LFGAYPTVRNGI APPLYNMMQQKLIDRPIMSFYLNRNTSA
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UniRef90_B3MSE4	GMAFPSLAADL VTPFFQNLISNGEVEQPVFSFYLRDNGSI
UniRef90_Q9TTX3 UniRef90_L8WSC1	I MGLAFSSI SSI GAPTFI ENSQGAI SSSVFSMYLAANNSE
UniRef90_B3SBG2	L GLGFKRISTIRTNPLFVNMLQQNRDSSFTGNIAEVEGE
UniRef90_W9W5R5 UniRef90_G3N0Q4	HMSALGAI PLEDNLKKQGAI SEPVFAFFLISNSKMQGKWLC
UniRef90_D7FLX5	LIAFDEI SVEGVPTPFGRLVEEGELDDAVFAFYLGNQKEGE
UniRef90_L0PG89 UniRef90_B3MJW5	GLAFKSLAVDGVTPPWDNMLEQKLLDEPVISFYLKVQGGE
UniRef90_H0X9S5 UniRef90_C4R6G8	Y P D L A K A G G T P V F D N L W K K G L I S Q N L F A F Y L T S K R K R G S M
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UniRef90_L9JBJ6	GUSVTGATPVFDNMIVHNMVAQPMFSVYMSSDLENGTGSE
UniRef90_S2JDB2 UniRef90_UPI000455ECF1	GMAFQSISDYNASPVFQSLVSQGETSSSVFGFKLTSSDAG
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UniRef90_UPI0003F0879D UniRef90_F6Q3A5	F D G N L Q R S I L P V F D N M L A Q H L I S E P V F S V Y V R G D G N K G E L G L G Y P R R T T G A N P T F D N L W K Q G V I S F P V F A F Y K F N G S V
	<u> </u>

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UniRef90_O76856 UniRef90 P00797	LSFGSLDNTKYTGDLTYVPLTNETYWEFVMDDFAIDGQSA
UniRef90_P00797 UniRef90_Q29LE9	FFGGOVDFTIMAGDITTINLEGYWOFSVIN NISWNGTV
UniRef90_G3PP43	ĠŚPĔĞĸĎĔÁĽŸŚĠPĽŃŴĹPVŤĂĸĠŶŴŎŢĸMĔŚ <u>VŚV</u> ĠĠĂŢŚ
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UniRef90_UPI0003C1627B	VMFGGVAHHYYKGELNWVPLTQANDWTIPVDRIITMKREVI
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UniRef90_Q9VKP7	IV I IWG GILID R SILIY R G CILIN YIVIPIVIS M P A Y WQ F T A N SIVIKILIE — GILL
UniRef90_Q9VEK4	I VFGGFDESKFEGKLHYVPVSQWHTWSLQI SKSSVGTKQ
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UniRef90 G3WWG2	L VEGGYDHAHTTGSLNWVPVTKQGYWQLALDNIQVGGTLM I VLGGYNTNKFTGDIKWEPVSRQAFWETGLSGIKIGDHAL VMFGGVDHHYYKGELNWVPLLPSGNWLIHMHSGLLGKKTS
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UniRef90_Q7Z1E4	TTGGESDPAHYRGDLVRVPLLRDTYWEFHMDSVNVNASRF
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UniRef90_B3MSE4	VINYGGEDPSLIYSGELITYVPVSYPQYWQFYT DAILLGNTL
UniRef90_Q9TTX3 UniRef90_L8WSC1	
UniRef90_B3SBG2	LIFĞĞSDPKŸYİĞĞ <u>FH</u> YİPİİSFAĞLWRLK <u>M</u> EĞVKĞSYVNS
UniRef90_W9W5R5	ATFGGIIDSSHYTGKL LIKII PLRRKAYWEVNLDSI TFGK DTA
UniRef90_G3N0Q4 UniRef90_D7FLX5	I I I G G T D P D H Y I H F I N Y IV I N E I A Y W K I N M H I S M K K K V I A
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UniRef90_B3MJW5	MILLIGGILDSSLYKGSLTWVPVTKAAYWQFKLTAIKTK GVF
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UniRef90_B3N528 UniRef90_G4VFY7	I MFGGI DDRYYTGNLTYSDVVISEEYWMINII DGII SIINGFI F
UniRef90_H2ZA35	I CLGGVNEARYTGEFNYHSVTRKGYWQLKMDSVAVADADA
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UniRef90_L9JBJ6 UniRef90_S2JDB2	EMFGGVNGNHFNGNLAYII PVFQQSFWKVPVRGVSI NGQQT
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UniRef90_L8J1D6	VMFGRVDKAYYQEMLNWVPLIQVDWRAHMDHISMKRKVIA
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5111110100_1 0Q0/10	V INT. O OLV INT. T. I. T. O E ELIA VANDI I A DO KANDO ANTI I IMIE DO DI DO INTA O I IMA

	210 220 230 240
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UniRef90_D1MX84 UniRef90_UPI0003C2AF59	CTSGCQAI VDTGTSLI VGPSSDI GNI NYYV GASTNQYGD CSQGCQGI VDTGTFQLTVPEQYIGEL LQAVGVPENSDYVV ELDNGSAAI DTGTSLI AMATDTAEL LNAEI GASWNGQYSV TNGPVDSI VDTGTSLI AVPLRAYKAI NKVL NATDAGDGEA LGNGCQAI ADTGTSLI AVPLRAYKAI NKVL NATDAGDGEA LGGKSNAI LDTGTSL VLVPQQTYHNL LNTL SAKLQNGYFV
UniRef90_M9MC43	ELDNGSAAIDTGTSLIAMATDTAELLNAEIGASWNGQYSV
UniRef90_W2TMJ2 UniRef90_Q9VKP7	T N G P V D S I V D T G T S L L T G P T D A L K K I Q K K I G A F A L F N G E L C N G C Q A I A D T G T S L I A V P L R A Y K A I N K V L N A T D A G D G E A
UniRef90_Q9VEK4 UniRef90_W5PC14	LGGKSNAI LDTGTSL V LVPQQTYHNL LNTL SAKLQNGYFV
UniRef90_F1RIE4	GCRGCQAIVDTGTTYLLGPYAEVDKIHSLMNAVPLQEEYV
UniRef90_B4N9T7 UniRef90_B3RK54	VID G PIVIN GILLID T G T SIL I L VIP E Y S F D R L HLIA L G A KIVIH G G H Y II RIL C N R D C I L D T G T S MILLIG P T F O VID R II H O F II H A VINIT D F II M D
UniRef90_Q6R6N5	CSQGCQAILDTGTSSLVGPTHCVTNILKLINPKPLLDDKQ
UniRef90_P00796 UniRef90_UPI0002C556D6	GGKSNAIL DTGTSLVLVPQQTYHNLLNTLSAKLQNGYFV CSDGCSALVDTGTSLIQGPGRLVNKIQKPIGAK LWGSK GCRGCQAIVDTGTTYLLGPYAEVDKIHSLMNAVPLQEEYV VDGPVNGILDTGTSLILVPEYSFDRLHLALGAKVHGGHYI RLCNRDCIIDTGTSMIIGPTEQVDRIHQEIHAVNLDELMD CSQGCQAILDTGTSSVVGPTHLVTNILKLINPKPILDDKQ LCEEGCEVVVDTGSSFISAPTSSLKLINQALGAKEKRLHE CSQGCQAIVDTGTSLLTIPQQYLSALLQATGAQADQYGQ ACHDGCQAILDTGSSVVVGPYDDVLNIQNIIHAQHTFNDM CEEGCMAVVDTGASYISGPTSSLRLIMEALGAKEHSTDE FOKEGCSV ATRPGAGAVASPSQRCLLLLLLQYVV
UniRef90_UPI0002742AD1	ACHDGCQAI LDTGSSVVVVGPYDDVLNLQNI IHAQHTFNDM
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UniRef90_A0A017SEJ8	ELDNTGVILDTGTSLIALPSTLAELLNKELGATKNFMGQY
UniRef90_H0XCT4 UniRef90_R4FMP1	F C K E G C S V A T R P G A G A V A S P S Q R C L L L L L L Q Y V V E L D N T G V I D T G T S L I A L P S T L A E L L N K E I G A T K N F M G Q Y C L Q G C Q G I V D T G T S R L T V P Q N Y L N H V L Q T L G A K E D S S G Q C G G C Q A V A D T G T S L I I G P T A G V E D I N R Q I G A Q V G G I G I I E L E N T G A A I D T G T S L I A I P T D M A E M L N T M I G A T W T G Q Y T V T N G T Q N A I V D T S T S F I I G P T D A V Q Q N L F S L S G A T N A T E G I F C E G C Q A I V D T G T S L I T G P S D K I K Q L Q N A I G A V T D G E Y A M N V D G F G V V F D T G S S F I I L P D D V Y S D F L T Q F P S V S R E I D Y V L C Q G Y C L F W M H T G T S H I E G P G R L V N N I H R L I R T R P F D S K H E I E S T G A A II D T G T S L I A I P S D I A F I I N K F I G A K K S W N G Q
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UniRef90_R9XBP9 UniRef90_L8I1Z2	NVDGFGVVFDTGSSF I L PDDVYSDF T QFPSVSRE DYV
UniRef90_G7E0P8	ELEST GAAIDT GT SLIALPS DLA ELLNKEL GAKKS WN GQ
UniRef90_G8JNR1 UniRef90_B7SCQ0	ELEST GAAI DT GT SLIALPS DLAELLNKEL GAKKS WN GQQLQN Y GGAL DT GT SFIT FPSELY QEFVSKT GAT V DPD DGHCNGGCQAI VDT GT SLIV GPQS SISNIN QV V GAYS QN GN
UniRef90_Q7Z1E4	CAQGCSALIADIGISLIAGPSKEVEALINAAV GAIALIAFGQ
UniRef90_UPI0003F0BA46 UniRef90_T1GRX0	F
UniRef90_L5KRS4 UniRef90_B3MSE3	CKSGCQA IVIDTGTS LVI GPNDP LLE ILKT INAQP LSSGEY
UniRef90_U6PX41	I S T G D A A I A D T G T S L L V A P Q A E Y T Q L A K L F N A D S D G V F L N G S V K A I V D S G T S L I A G P P T L V Q K H Y S K L
UniRef90_UPI000273CD01 UniRef90_UPI0003C14553	CSDGCQAIVDSGTSXAGIPQQYMGSFXXXXXPSQNGDFVVCSDGCRALVDTGSYHIQGPGRLVDNIQKLIGAKPQGSKHYACHGGCQAMLDTGTSLLFGPQRDIRNIHSILQAQQISAHR
UniRef90_UPI0004445322	ACHGGCQAMLDTGTSLLFGPQRDIRNIHSILQAQQISAHR
UniRef90_Q9VQ12 UniRef90_B3A0T3	
UniRef90_K3W8C6	TAV RTAI VDSGTSFI I GPTAQVNQL VRLVGATSAGGGYY
UniRef90_UPI00023AD28D UniRef90_E1B803	USGGCEAL VIDIGISLI LIGPRRIL VISNI IQKLI ISA MPRGSE II CSCEAFIVIDTGTSILI FGPRRIL VINNI IQKILI GATPRSKHYVI
UniRef90_F6YRX8	CSQGCQALVDTGTTQLNDPQTYLTKLLPYLGQTQNGGAY
UniRef90_R4FNG1 UniRef90_B3MSE4	ISMGDVAIADTGTSLITGPKSDVFGILNKIGAKIKKGQSV ISMGDVAIADTGTSLLVAPQTEYETISSLEG
UniRef90_Q9TTX3 UniRef90_L8WSC1	CADGCTALLDTGSSLIQGPGRLVDNVQNLIG TMPQGST
UniRef90_B3SBG2	CQDSCQATI DTGSSLI VGPSNDI QQI HKITNAVKFDGKYF
UniRef90_W9W5R5 UniRef90_G3N0Q4	ULUN I GIVI LUD I G I SIL I ALIPSTIL A EL LINKE I GAKFNGQYTIV CSRGCHVI MDTGTPVTVGPTRI VINNI OKI I TRPOGSFHYV
UniRef90_D7FLX5	VT SVKSAI LDSGTSLLVGPKEDVKKI ASKVGALSFMNGEY
UniRef90_L0PG89 UniRef90_B3MJW5	C R S G C Q A I V D T G T S M L T A P S Q F M S S I M Q A I G A S D N G M F M V T A V D T G T S M L T A P S Q F M S S I M Q A I G A S D N G M F M V T A V D S G T S F I I G P T A Q V N Q L V R L V G A T S A G G G Y Y C S G G C E A L V D T G T S L I L G P R R L V S N I Q K L I S A M P R G S E I C S C E A F V D T G T S L I L G P R R L V S N I Q K L I S A T P S S K H Y Y W C N G C E A I A D T G T S L I I G P K S D V F G I L N K I G A K I K K G Q S V U S M G C E A I A D T G T S L I L Q G P Q T E Y E T I S S L F G V D S E G L F C A D G C T A L L D T G S S L I Q G P G R L V D N V Q N L I G T N A V K F D G K Y F D L D N T G V I D T G T S L I L V A P Q T E Y E T I S S L F G V D S E G L F C Q D S C Q A T I D T G S S L I V G P S N D I Q Q I H K I T N A V K F D G K Y F D L D N T G V I L D T G T S L L V A P Y T R L V N N I Q K L I T N A V K F D G K Y F D L D N T G V I L D T G T S L L V G P K S D V K K I A S K V G A I S F M N G E Y Y C C S R G C H V I M D T G T T P V T V G P K R D V K K I A S K V G A I S F M N G E Y Y G M E N V G A I L D T G T S L I V M P K N I A D L L N N A I G A T R S W T G D I S R N T Q A I L D T G T S L I V M P K N I A D L L N N A I G A T R S W T G D I S R N T Q A I L D T G T S L I V M P K N I A D L L N N A I G A T R S W T G D I S R N T Q A I L D T G T S L I V M P K N I A D L L N N A I G A T R S W T G D I S R N T Q A I L D T G T S L I V M P K N I A D L L N N A I G A T R S W T G D I S R N T Q A I L D T G T S L I V M P K N I A D L L N N A I G A T R S W T G D I S R N T Q A I L D T G T S L I V M P K N I A D L L N N A I G A T R S W T G D I S R N T Q A A I D T G T S L I V M P K N I A D L L N N A I G A T R S W T G D I S R N T Q A I L D T G T S L I V M P K N I A D L L N N A I G A T R S W T G D I S R N T Q A I L D T G T S L I V M P K N I A D L L N N A I G A T R S W T G D I S R N T Q A I L D T G T S L I V M P K N I A D L L N N A I G A T R S W T G D I S R N T Q A I A D T G T S L I V A P L A A Y K R I N R Q L G A T D N G E A F V C P S G S T A L I D T G T S L I V A P L A A Y K R I N R Q L G A T D N G E A F V C P S G
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UniRef90_C4R6G8 UniRef90_M0QVZ3	ACSDGCEAL VDTGTTHIEGPGRL VSNIQKLIGARLRGSKV
UniRef90_UPI0003AF7609 UniRef90_G1M378	CSGGCHVIVDTPTRLVNNIQKLITPGHRVLKLGVIPQGHS
UniRef90_B3N528	LCSGCQAIADTGTSLIVAPLAAYKRINRQLGATDNGEAFV
UniRef90_G4VFY7 UniRef90_H2ZA35	CPSGSTAILIDTGTAILISGPTE KILNNIINKYLGSI QMSNNE CVGGCQI I VDSGTSLITGPTVDTDAI NHAI GAI R FVDGFY
UniRef90_Q75XX5	A C S G G C Q A I D T G T S L I V G P T N D I N N M N S W V G A S T N Q Y G E
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UniRef90_UPI000455ECF1	VLTNVDAI VDSGTTLI VGPPSDVEDFYSQI GGSSTVGDGY CSCGCEAI VDTRAAFIEGPDTLVNNMQKLI STTPHGSQ CKDSCQAI VDTGTSLLPT KDI KELQKYI GATPVDGEYV CKDGCEAI ADTGTSLI TGPPEEVDSLNQYL GGTKTEGGQY CSGGCKPLVDTRTSLI LGPRRLVNNI QKLI SATPRGSEHY LCTYCQAVADTGTSLLIAPYPTTVKI VSLVN
UniRef90_W5QC55 UniRef90_U3J184	CSCGCEAI VDTRAAFIEGPDTLVNNMQKLI STTPHGSQCKDSCQAI VDTGTSLLPT KDIKELQKYIGATPVDGEYV
UniRef90_B7QBB2	CKDGCEALADTGTSLITGPPEEVDSLNQYLGGTKTEGGQY CSGGCKPLVDTRTSLILGPRRLVNNIQKLISATPRGSEHY
UniRef90_L8J1D6 UniRef90_B5DLA8	LCTYCQAVADTGTSLLLAPYPTYVKIVSLVN QEI
UniRef90_UPI00045DF899 UniRef90_Q18DC8	CNDSCQAXLDTGTSSVAGPHEVISNIQKLINAAAGSEYVI
UniRef90_Q6HA03	CNDSCQAXLDTGTSELTAPYPTYVKIVSLVN QEI CNDSCQAXLDTGTSSVAGPHEVISNIVKLINAAAGSEYVI CHDGCTATIDTGTSFISGPASSISVLMETIGATSRGDYVI CNGGCQAIVDTGTSLIVGPQSSISNINSKVGATDHNGDYV ACNGCEAVADTGTSLLIGPPEEVEKIISQIGGTTSFITSV CKEGCSVAIDTGASYITGPAGPVSVLMKAIGAAEMPHPSP QYCGCQAVVDTGTSVIAGPMEDIETLNTEIGAVQYENNQF CKRGCQALLDTGTAFLRGPRGSVSKIQKLIHA RPIDRE
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UniRef90_UPI0003F0879D	QYCGCQAVVDTGTSVIAGPMEDIETLNTEIGAVQYENNQF
UniRef90_F6Q3A5	CKRGCQALLDTGTAFLRGPRGSVSKLQKLIHA RPLDRE

		250	260	270 280
UniRef90_B6Q342 UniRef90_UPI0003EC1			_ S G H N F S [_]	T A F D Y V L E V Q G S C I S A F M
UniRef90_M1VUI8	MVFPCKS	KLPDFFLS	S∏GSYN <u>GR</u>	PSQVSQGGKTICLSGFMGLPGEYGGTPKEYVAPLDHENCYGGTPKEYVLEVTEFGKTCLSTFRASAYISVFHDEGYTSCMTPEQYVRKDTADKEFCFSYPVPLKDSRGHCYTTFTYPVPAQAYILKDSRGHCYTTFT
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UniRef90_P00797 UniRef90_Q29LE9	PCATLDS	SLPVLSFNI	GGTTFDL	PASAYI SVFHDEGYTS <mark>C</mark> M
UniRef90_G3PP43	D C A R M S S	B L P H V T F V L	GGTEYTL	T P E Q Y V R K D T A D K E F C F S
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UniRef90_G1KB82 UniRef90_B0DC98	YAVNCNN	IVQNLPTUS	S F T L N G V S	F PLPPSAYILNNNGY CTV
UniRef90_F4P765	QLIPCTO	SLPSVTFMI	NVSFTL	RNEDYVIPFGFG YCVS
UniRef90_UPI0003C81 UniRef90_B5AYD7	OCE YMIPCEK	(VSSLPEVI	LKLGGRG	K G T D Y I L E I Q D A C I S P F V R N E D Y V I P F G F G Y C V S Y K D Y T L K V S Q A G K T I C L S F T L P A S A Y T S Q N S N G C M T
UniRef90_UPI0003C16	27B VSCSVNT	LPSIIFTI	N GI N Y PV	FILIPASAYISQNSNGCMI PGQAYLLKDSRG RCYT FTLPASAYVSQSSYGCRT PPTVYVLNDQDVCYIGVT EGKDYVLEVQGSCISSFS QGSDYIQVAQNGQTTCIS TPKDYIYKVQADNNQCLS
UniRef90_D1MX84	A T V Q C G N	V G S M P D V	FNLNGVS	FTLPASAYVSQSSYG <mark>C</mark> RT
UniRef90_UPI0003C2A UniRef90_M9MC43	.F59 D C N N I Q N D C E K V K D	DEPPLIFY	DGKPFKL	E G K D Y V L E V Q G S C I S S F S
UniRef90_W2TMJ2	YEIDCKF	R L P Q L P F N L	- G G Q D F 🖳 L !	Q G S D Y I Q V A Q N G Q T T C I S
UniRef90_Q9VKP7 UniRef90_Q9VEK4	<u>F V D <mark>C</mark> S S L</u> V A C K S G S	BLPNINIL	GDKVFPL	T S S D Y II M E V L L D R K P A C V
UniRef90_W5PC14				
UniRef90_F1RIE4 UniRef90_B4N9T7	LS CQLEI	YPDIVFTI LPNIRLI	E G A E F V I	PARTY I RKDANNNL CYS TPRDYI I EVDDKNSSFCV
UniRef90_B3RK54	SRIDCNV	/ V D S L P V I T	<u> </u>	L P K H Y I W R V N L K L T L <mark>C </mark> I S
UniRef90_Q6R6N5 UniRef90_P00796	V L L <mark>C</mark> D A <u>I</u> Y V V S C S C	ESLPVLLI QVPTLPF <u>N</u> L	_ I I N G I Y	TVPPHYYVQQLSQEL <mark>C</mark> FS SSTDYVLQYPNRRD <u>KL</u> CT
UniRef90_UPI0002C55	6D6 🖳I V G <mark>C</mark> N N			F C
UniRef90_UPI0002742/ UniRef90_G5BML9	YVVNCNE	TTQLPFVI RVPTLPF H I	G G L N Y P V	P
UniRef90_G3USD2	DCEKVPC	L PNI SFHI	GGKAYTL	S G S A Y V L R Q T Q Y G E D L C G
UniRef90_A0A017SEJ8 UniRef90_H0XCT4	DCEKVPC NCEKRSS YVVNCDK	L P D L T L Q L	_ G	
UniRef90_R4FMP1	D C N K I D N	IL PPVTFE	GEQKYTL	EGKDIVIK <u>F</u> DIW <u>LI</u> IA <mark>C</mark> G
UniRef90_R9AD87 UniRef90_U6NWS8	D C A T V K E	DIL I <mark>P</mark> ELSFTI	G G K K Y P L	R
UniRef90_G3WWG2	ECNNLN	MPDVTFT	N G P Y T L	P P K A Y L T D F V D G M E F C T S
UniRef90_R9XBP9	D C S T L S T	APDLSFE	GGSVFKL	TPREYLLRFGMS <mark>C</mark> ALGVS
UniRef90_L8I1Z2 UniRef90_G7E0P8	YTVDCAA	A P S L P D L	MYFPYT	P
UniRef90_G8JNR1	I I A P C S C	F P D L T F E L	AGRSFTL	T G A D Y I L Q A Q G T C I S A F T S S S D Y V V Q W D D T T C V A I T F T L P S S A Y I R Q S Y Y G C H S
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UniRef90_T1GRX0 UniRef90_L5KRS4	II VIN C S SIV	/	- I II IN GII IK Y	PIVIPASAYII IQKYNSDII I <mark>C</mark> YS
UniRef90_B3MSE3 UniRef90_U6PX41	A C G K I S R	WPTMYIKI PPITFVI	NGVSFQI	TPEYYIIIQE GYY <mark>C</mark> ALL
UniRef90_UPI000273C	D01 <u>D</u> CSYIQS	SMPTITFLI	GRAQFPL	P
UniRef90_UPI0003C14	553 VSCSVNT	LPSIVFTI	N GILN Y PIVI	PPQAYIIFKDFRGN CFT
UniRef90_UPI00044453 UniRef90_Q9VQ12	PCSTVSS	NKNIMPDL\ SLPVLTINI	GGTNFYL	Y P A S A Y L R P G N R W N S <mark>C</mark> I S P P S V Y I Q T Y T E G N Y T T C M
UniRef90_B3A0T3	D C N Q V N N	ILPTFYFVL	- S GVPLPL	S
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UniRef90_E1B803	SCFVVNI	VNTLSSII LPSIIFTI QPTLSFTI	NGINYPV	PAOAVIIIKDSP GH <mark>C</mark> VT
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UniRef90_B3MSE4	A C G T I N N	<u>IWPNLNFKI</u>	NGVFFEV	PPSAYIIQENGYCYANFILEPSDYIVTMKSGEKVCFVSPEYYIIQDDFYCS
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UniRef90_B3SBG2 UniRef90_W9W5R5	V D C S T	VSSLPLL	FTFNGVD	Y S L T G E Q Y I T R G S S A C F S
UniRef90_G3N0Q4	S C F A I N T		N G N Y P M	PARAYILKD SQGHCFG
UniRef90_D7FLX5	LMPCSSE		G G K E Y T L	E G D E Y V I S A G N D K V C I L A
UniRef90_L0PG89 UniRef90_B3MJW5	R CGRVS		GDRFFTL	TPSDY LR TESGTYCMS
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UniRef90_C4R6G8 UniRef90_M0QVZ3	YCSVVNT		N G V N Y P V	PARALILKDSRG H <mark>C</mark> YT
UniRef90_UPI0003AF7	609 HTVSCF	II NTLPSII	FILINGUN	Y P M A A R A Y I L K D S R G H C F
UniRef90_G1M378 UniRef90_B3N528	SCSRVSA	L P K V N L N I	GGTAFTL	A PRDYIVKLT QNGQYCMS
UniRef90_G4VFY7	YIVDCNK	KLPLTE		E P S D Y I V T M K S G E K V C F V C S P E Y Y I I Q D D F Y C S P E Y Y I I Q D D F Y C S P E Y Y I I Q D D F Y C S C S C Y C S C I S S F M C S C I S S F I C S C I S S F I C S C I S S F I C S C I S S F I C S C I S S F I C S C I S S F I C S C I S S F I C S C I S S F I C S C I S S F I C S C I S S F I C S C I S S F I C S C I S S F I C S C I S S F I C S C I S S F I C S C I S S F I C S C I S S F I C S C I S S F I C S C I S S F I C S I I S S F I I S S I I S S F I C S I I S S F I C S I I S S F I C S I I S S F I C S I I S S F I C S I I S S F I C S I I S S F I C S I I S S T I S S I I S I I S I I S I I S I I S I I S I I S I I S I I S I I S I I I S I I I S I I I S I I I S I
UniRef90_H2ZA35 UniRef90_Q75XX5	ATVNCON	N M P D II I F V I	FTLNGKA	FTVPASAYVSQSYYGRNT
UniRef90_L9JBJ6	E C V N L T	MPNVTFL	YFFFYTL	SPTAYVLQALGDGMR <mark>C</mark> SS
UniRef90_S2JDB2 UniRef90_UPI000455E	WKILLODK CF1 YTFPCSN		GGATFDI	G A A D L
UniRef90_W5QC55	HYDS <mark>Č</mark> ŠŅ	VSTLPSL	FILNGIN	Y P V P R V Y L L K D D R G H C Y A
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UniRef90_U6NYF2 UniRef90_Q6FK02	GMAWRSIAVDNISPPLDQLFANKAL <mark>C</mark> PEALFAFYLPPNGE GIAYDTLAQDDITPPFYSALQQHLLDESKF <u>S</u> FYLKSDGGV
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UniRef90_UPI0002C42486 UniRef90_B8PF30	ĞÜĞFPÜLAVIDĞVRPPÜDÜL VE KĞÜVDKPVF SFYLNRDĞĞE AFSALISKFGSGSESVFQTLMDQHQTKEGVFAFKLIDNGSF
UniRef90_UPI000441790A UniRef90_UPI00029D8EAF	GMGFQSÍSVÝNÁPPLFQTĽVSQRQÍSTPIFAFKĽÁKSGSE LGLNYPNISSAGPLPIFDNLMKQEPVFAFYLNK <u>SK</u> QEG <u>S</u> V
UniRef90_U6PFI1 UniRef90_B4MW48	I Y T P F D G I L G M A W N S I A Q D S I S Q P M S Q I F A N K T L C P E A V F F L T S P F D G M I G L A Y A S I S I N G V I P P L Y N L I S Q G L I P N G G E F L A Y S E I S L G G V T P P F Y N L I Q Q G L I K K P V F S L Y L N R N G G E
UniRef90_B3MNK9 UniRef90_T1I914	FLAYSEISLGGVTPPFYNLIQQGLIKKPVFSLYLNRNGGE GLAFPSLSKDDVTPPFQNLMNQGLLEKPEFSFYLNRNGEL

Jungseg Denys		470
Junkengo Balvras	UniRef90 UPI000455F26D	
J. F. G. G. T. P. T. H. Y. F. G. B. E. S. Y. Y. P. W. B. R. K. A. Y. W. G. E. N. D. G. V. N. Y. D. E. Y. P. F. M. R. A. W. G. E. N. D. G. V. N. Y. D. E. Y. P. F. M. R. A. W. G. E. N. Y. B. P. T. P. W. B. R. R. A. Y. W. G. E. N. Y. B. W. T. A. A. W. T. G. G. W. G. Y. W. G. Y. W. T. B. W. T. Y. B. W. T. A. A. W. T. G. G. W. G. Y. W. W. G. Y. W. G. Y. W. G. Y. W. W. G. Y. W. G. Y. W. G. Y. W. G. Y. W. G. Y. W. G. Y. W. G. Y	UniRef90_B3LVR5	III I F G G F D E S R F K G N L I <mark>H</mark> F IV IP II T N S N Y W K IL IK II S E IV IF IV IN S K K
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J. F. G. D. T. N. K. N. H. Y. S. G. E. L. K. Y. V. B. Y. H. G. G. Y. D. T. N. A. M. H. Y. S. G. E. L. K. Y. V. B. Y. H. G. K. T. Y. W. G. D. S. D. H. G. F. T. Y. G. R. D. S. H. Y. L. B. Y. S. G. E. L. K. Y. V. B. Y. F. G. Y. D. S. W. G. F. T. Y. G. R. D. S. W. G. B. R. H. Y. L. B. R. S. F. A. M. G. F. T. Y. G. R. D. S. W. H. Y. L. B. R. S. F. A. M. G. F. T. Y. G. R. D. S. W. H. Y. L. B. R. S. F. A. M. G. F. T. Y. G. R. D. S. W. H. Y. L. B. R. S. F. M. G. F. T. Y. G. R. D. S. W. H. W. L. B. R. S. F. M. G. G. F. T. Y. L. B. R. S. B. M. R. S.	UniRef90_F8P5P8	L C I G G T N P S L Y Q G S F T Y T P V T F A A Y WQ I N I D S L N A N N A Q
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Junkers D. Product St. 19 P. A. H. Y. I. P. S. T. E. V. E. Y. Y. M. A. E. W. G. H. V. E. R. Y. W. Y. T. A. N. L. M. M. M. M. M. M. M. M. M. M. M. M. M.	UniRef90_B4KII7	QAGGQII DSQIL IFSGNIL ITYIVISIV VIQQGY WQFIV VIN SAEMG GYIV
Junkergo, Wishmits Junkergo, Debonsaria-Scobb Ju	UniRef90_E3N0K6	TTYGALDSVNCDSKINYVPLNVMGYWGFALDGFAIG TFT
JANSENSO UPUNOSAS-DUBB L MP G GU D RS X K FK GO D L R S W V V D L L S M GS N S M R G E V L M R M L G O O S T L M R M G O O S T L M M G O O S T L M R M G O O S T L M	UniRef90_UF100043E4207	V G A V L E D M L S Q R S P S L L L L Y S S L D V S Y Y F L S I S M K R Y V I A
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Junkerson Delonovaroson	UniRef90_K5XBP0	LYLGGTDTSKYTGSIEYHGVNTSTGFWQASGAK <mark>C</mark> AVGSTT
Junkerson Delonovaroson Junkerson Delono	UniRef90_B4MAU8 UniRef90_S8EG32	LYLGGSDDSKYSGNPEFHDIITSTTGFWQIIGGASLIINGKT
Junice J	UniRef90_E2D6N9	I F G G V D E E L Y N K E S M T T V P L T S T S Y WM F Q M D G L S T S A E D W
Jurikef90 R4FKP9 Jurikef90 R7SSG7 Jurikef90 L9NKB8 Jurike		VIT F G G V D K A H Y K G D L E Y V D V I S A I Y W S V K L D A V E I K G E K
Jurikef90 R4FKP9 Jurikef90 R7SSG7 Jurikef90 L9NKB8 Jurike	UniRef90_B4MW49	MGGSNSSLYYGELIYTPVTVASYWQFNLQTLDFSDGSCPR
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Jurikef90_F78W04 Jurikef90_F78W04 Jurikef90_F78W04 Jurikef90_F78W04 Jurikef90_F79N06 Jurike	UniRef90_R7S6G7	L Y G G T N S R L F S G S L E Y <mark>H</mark> P V K N N G F W Q G N G K A L L N G R T
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Jurikef90_U6000440E872	UniRef90_G3JBW9 UniRef90_UPI0002741FC4	LIMILIG GIVID D S Y Y S G EILIR WIVIPIVIT K Q R Y WQIVIA LIK RII TIVIN G TIVI
Jurike190	UniRef90_H0XYN6	L ML G G V D H S Y Y S G E L R WV P V T K Q R Y W Q V A L D S I T V N G T L I
I V F G G F D E K F E G K L H Y V P V S Q WR I WS L E A K I I V A S K Q I L DIRRE90 B8C847 L T V G G E D P S L Y S G S L T Y V D V L Q T A Y W K F Q T D Y L K V G S S L DIRRE90 F7E8F9 I I F G G V D S N L Y T G Q L Y WA P L S Q E L Y WQ V Q E F S I N G Q A T G W DIRRE90 V5VG30 L L G G A D S N L Y T G Q L Y WA P L S Q E L Y WQ V Q L E S I N A Q A T F Q G L D E N H Y D G K I H WA P V K R K G Y WE V G L D K L A L G D E E L DIRRE90 V2XY32 L T L G G A D S N L Y T G Q L Y W Y V T F Q G Y WQ V K L D A V S V N S S T P D JA F A Y Q V D D S A A V A Y A P V T T A G F WQ V E L E A V S V D G N A DIRRE90 UP10003C1693A L T V G G S D P A H Y Y K G E L N WV Q L L Q G D W Q V D R E V T Y A D A V A P V T T R G F WQ V E L E A V S V D G N A DIRRE90 UP10003C1693A L T Y G G F D D S L F S G Q L T N T P V T T R G F WQ V E L E A V S V D G N A DIRRE90 UP10003C1693A L T Y G G F D D S L F S G Q L T N T P V T T R G F WQ V E L E A V S V D G N A DIRRE90 UP10003C1693A L T Y G G F D D S L F S G Q L T N T P V T T R G F WQ V E L E A V S V D G N A DIRRE90 UP10003C1693A L T Y G G F D D S D K D N C D S E V T Y V T L L S S L T Y WQ P P M D G F K L G N Y S D D F D K D N C D S E V T Y Y T L L S S L T Y WQ P P M D G F K L G N Y S D D F D K D N C D S E V T Y Y T L L S S L T Y WQ P P M D G F K L G N Y S D D F D K D N C D S N L N Y V P V S R P K A Y WQ L K L D A V N D K A V A P V T Y G A V A Y A P V T T R G F WQ V E L L T G L S A K T N G Q D D S W D F N S A K F N G G L T Y Y V P V S R K A Y WQ L K L N N D K A V N F C S C S S L A D T R N S C S C S C S C S C S C S C S C S C S	UniRef90_UPI000440E872	LITIL CGIDPSHYQGPIDYWEPLVISTSYWEIIRLIRGIITVINGQSI
F Y G G E D P S Y S G S L T Y D V L Q T A Y W K F Q T D Y L V G S A L V D D R R R R R R R R R R R R R R R R	UniRef90_M5G386	L SI GNTDSTHYTGGI TYTPVTTQTYWEVQSTGSVVN GKA
Juriker90	UniRef90_B3P3E4 UniRef90_B3P961	I FYGGEDPSILYSGSILTYVDIVI QTAYW KFQTDYI KIVGSAL
	UniRef90_B8C847	LTLGGYDDSKFKGDITWLPLSEPKYWQIDLEDITA GSY
Juriker90	UniRef90_F7E8F9 UniRef90_K5VG30	L L L G G A D S N L Y T G G F T Y V P V T T Q G Y W Q V K L D A V S V N S S T P
Dirikef90	UniRef90_UPI0004561409	ATFGGGDENHYDGKIHWAPVKRKGYWEVGLDKLALGDEEL
L F L G G A D A R L Y T G A V A Y A P V T H Q G Y WQ V D V D Q S A A V N G T R J DIRRE90_UP10003C1693A	UniRef90 V2XY32	LTVGGTDDSLFSGQLTNTPVTTRGFWQVELL EAVSVDGNA
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JniRef90_UP10003315C14	UniRef90_V8P2Q6	VIFGGINHNAYVGKLHYIPVSRKAYWQIKMDKITLGKQQP
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Jniref90	UniRef90_W2TN28	VTRRGYWQFKMDMVCTVSTVNVFKSELSKLKVQGGSSSLA
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JniRef90_E2RP22	UniRef90_D2DS74	PANGELGGSLTFGDIDTKNCGPVIAYEKLYSSTYWAFKFN
UniRef90_O57477	UniRef90_E2RP22	LIFRGMDHSLHKGVY WAPVTQEHYWQLRLEEFLIGG <mark>C</mark> AT
Juniker90_Uri000328D92F	UniRef90_Q73CF6	TEGGTDPHVLTEGDLHYVNVTRKAYWHTGMDGLQVGNQLS
UniRef90_B4LT46 UniRef90_M1WAZ5 UniRef90_G9NQ54 UniRef90_L8G444 UniRef90_L5L5G7 UniRef90_UPl0004422871 UniRef90_G5EEI4 UniRef90_UPl000242486 UniRef90_UPl000242486 UniRef90_UPl000244790A UniRef90_UPl000241790A UniRef90_UPl00029D8EAF UNIRef90_UPl00029D8EAF UniRef90_UPl00029D8EAF UNIREf90_UPl00029D8E	UniRef90_UPI000328D92F UniRef90_O16338	L MILIG GIVID P S C Y S G K IL IH WIVIPIV I IS P F Y W E V V L ID S I IS M N V Q I A IL M F G A IL D T T H C Q S Q V N Y V P IL A Y N S F W S V S V ID G F S I I G T V S
JniRef90_M1WAZ5	UniRef90_B4LT46	LVLGGVDYQLFSGNLTYVPVSQEGYWQFVVTSAVMN GFV
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I T Y G A D T V N C A K Q V T Y V P L S A K T Y W Q F P L D A F A V G T Y S UniRef90_UP10002C42486 L V L G G S D P A H Y F P P L T F M P V T II P A Y W Q I H M E R V K V G T G N L L S V G S I D Q S A G A G D L T Y T P V T H Q A Y W Q V Q M D G V A V G G N S UniRef90_UP1000441790A L T G G V N N A L Y R D S F T Y V P V T H Q A Y W Q V N M D G V S V N G G R V UniRef90_UP100029D8EAF V M F G G V D Q R Y Y E G E L N W I P L I K P G R W T I H M D R I S M R R E V I UniRef90_B4MW48 L I L G G I D P T H Y Q G T I A W E P L I S E T Y W E I Q L G G V T V N D Q E F I Y I S B T Y W G F M T S A T L N D Q E F I T Y V P V S T Q G Y W Q F T M G S A D I N G T N F I L G G I D S G L F R G C L T Y V P V S T Q G Y W Q F T M G S A D I N G T N F I F G G V D K E R F H E D T L N T V P L S S T S Y W Q F Q M D G V S T S A D E W	UniRef90_F7A9V3	L V L G G S D P A H Y L P P L T F M P V T V P A Y W Q L H M E R V K V G S G T L
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Visit	UniRef90_UPI000441790A	LITILIG GIVIN N ALLY R D S F T Y IV P IV T H Q G Y WQ IV IN M D G IV IS WIN G G R IV IV M F G G IV D O R Y Y F G F II N WILL DILL LIK D G P W T IV M D D IV S M D D F IV I
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UniRef90_T11914 I F G G V D K E R F H E D T L N T V P L S T S Y W Q F Q M D G V S T S A D E W	UniRef90_B4MW48	LILIGGI DPALLYSGCLITYVPVSQQGYWQFEMTSATLNDQEF
	UniRef90_B3MNK9 UniRef90_T1I914	I F G G V D K E R F H E D T L N T V P L S S T S Y W Q F Q M D G V S T S A D E W

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UniRef90 UPI000455F26D	210 220 230 240 GVG Q F D A A D T G T T L V G L P D D V A S F Y E A G G S S T L G E G Y
UniRef90_B3LVR5	II IS GET DAILLIDT GTT OILLIMP OKT V DNILLIKILLIPEEMEGGN VIL
UniRef90_O01531 UniRef90_E9H7X1	NNKKSQVISDTGSSLIGGPSAVINGFAQALGAKYHSDDDA
UniRef90 F8P5P8	I I G GV S GII I D T G T T L I V A N T S N V N Q F Y S A L N G T D V G G G S Y
UniRef90_G3W996	NNKKSQVISDTGSSLIGGPSAVINGFAQALGAKYHSDDDA CNGGCEMISDTGTSLITGPSEEITLFHKLI GAQVNIVGE IIGGVSGIIDTGTTLIVANTSNVNQFYSALNGTDVGGGSY CSQGCQAIVDTGTSLLTVPQQYMSAFLQA TGAQQDQYGQ NGKSMPAILDTGTTLIIVPTAISDVIHAAIPGAQYNFFYG
UniRef90_I1BTC9	N G K S M P A II L D T G T T L I I V P T A II S D V I H A A II P G A Q Y N F F Y G V C Y N C Q A II A D T G T S L L A C P G S A Y T M L N Q L I G G Y M D G D Y Y V
UniRef90_B4KII7 UniRef90_E3N0K6	VCYNCQAI ADTGTSLLACPGSAYTMLNQLIGGYMDGDYYVRQRKEQVISDTASGWIGAPPTVISTIVKATGAKFDWNLELCAQGCAALLDTGTSLITGPSEEIQALNSAIGGT TLLTGQ
UniRef90_UPI00045E4207	CAQGCAAL LDTGTSLITGPSEELQALNSALGGT TLLTGQ
UniRef90_W5NWT5 UniRef90_D8Q8M0	CSEGCEAFVDTGTSLITGPRREVNKIRKEIGATHWLSKHY TPTDLYAAIDTGTTLIYLPGGVAAKFYAMINGAPQYGPEY
UniRef90_UPI0003AF5C6B	CKPCCALIMATCTTSIIIGDDDLIIAKIIADIIIIDIVIDDEGSIIAL
UniRef90_U6NYF2	TNETQGAVVDTGTSLIVGPTNAVQKLQNLFSGATNATGGVGKLENTGAAIDTGTSLITLPSDMAELINAQIGAKKGWTGQACNGGCQAIVDTGTSLISGTSSGVGSILNAIGAYQNSNGEDLANTQAIADTGASLILGETEVVKKFYRIIGAVHDETAYICSDGCRALVDTGSSHIQGPGRLIDNVQKLIG TMPQGSMIACGCEALVDTGTALIKGPRRLVNNIQKLIGTTPQDSKHY
UniRef90_Q6FK02 UniRef90_K0IUW4	A CN G G C O A I VID T G T S I I I I E P S D M A E I I IN A Q I I G A K K G W I G Q
UniRef90_A0A023F7D8	DLANTQAIADTGASLIJGETEVVKKFYRIIGAVHDETAYL
UniRef90_Q9TTW0	CSDGCRALVDTGSSHIQGPGRLIDNVQKLIG TMPQGSM
UniRef90_W5PLS6 UniRef90_R7V8Z4	CDGGCQAIADTGTALTRGPRREVNNIQRETGTTPQDSRHY
UniRef90_F9FRL0	NKSPITGI ADTGTTLLLLPDDDVNSAYYAKVSGARYSSSYY
UniRef90_B3MNC9 UniRef90_G9NK25	CDGGCQAIADTGTSLLAGPSAEVQKLNQELGGTAIPGGEYNKSPITGIADTGTTLLLLPDDVNSAYYAKVSGARYSSSYYVSGPVQAIADTGTSLIVVPADAYTKINELIGAIYIQEWYVKHSTDGIADTGTTLLLLLDDTIVDAYYNQVESAQYDDSQY
UniRef90_G9NK25 UniRef90_U3IY42	CKEGCSVAIDTGASYITGPAGPVSVLMKAIIGAAEMAEGEV
UniRef90_UPI000333C358	LCEEGCMAV VDTGASYISGPTSSLRLIMEALGAKEQSTYE
UniRef90_UPI0003EA94C6 UniRef90 Q29A80	CAGGCQA V DSGTS L V GPSSD N N N A W V GGSQNGEA V K V SGSTQ V DSGTS L AAPKS FNK N K L GCTV TSSGEC
UniRef90_UPI000440A359	TVS OUS SILLIDIT GITTOUT GDITTNVA ALLY A OU P GAPE F GD GU
UniRef90_G3N7P1	VACSGNCV VDSGISLILGFERDIINNIINGWL GAIIDAIGD
UniRef90_L8AZV3 UniRef90_J3PGN6	CVGGCQAI VDTGTSLI VGPQSDI SSLNSAVGAT SSGND QRRPWRAI VDTGTTL L L LPDAMVRAYYAKVPGTRYDAGYA
UniRef90_D0PRM2	GFCNPCEI VDTGTSLIAGPNAEVKELVHMLGGYGFLEYLI
UniRef90_K5XBP0 UniRef90_B4MAU8	TSSGFNTI IDSGTTL MYAPPNAVSAFYAAI PGSHLYDRGY
UniRef90_B4MAU8 UniRef90_S8EG32	GFCNPCEI VDTGTSLIAGPNAEVKEIVHMLGGYGFIEYLI TSSGFNTIIDSGTTLMYAPPNAVSAFYAAIPGSHLYDRGY LCSQCQAVADTGTSLILAPTAA FELIESQLDIDADG VASGFDTIIDSGTTLMYGPPDAVSSAFDAVSGSSSLGNGM
UniRef90_E2D6N9	CQNGCPGIADTGTSFIVGPSSDVDEIMELVGAVYQGIGFV
UniRef90_W2KTQ9 UniRef90_UPI0003BD969C	LT DVD K A I VD S G T S L I A G P K D Q V A K L A A L V G A H K F I M G E Y C N D G C Q A I VD T G T S MI V G P Q S D I D N I N A W L G A S S Q N G E Y I
UniRef90_B4MW49	CSGNCTAI MDTGTSLIVGPSSDI MALNTQLGATFNSTYDL
UniRef90_UPI0004408014	<u>V</u> SSAQNA <u>V</u> DTGTT <u>L</u> F <u>V</u> DSDS L QA YAA PGSQDATDT <u>F</u>
UniRef90_R4FKP9 UniRef90_R7S6G7	CKDSCEAIADTGTTMI IGPTDEIAALHKYI GAVQNYMGTV VASDLQTI IDSGTTLMGAAESTVAAFYNNI PGSFNDQFQT
UniRef90_U6NKB8	TNGTQNG V DTGTSY TGPTDA KQN L FS L SGATNGTEGM
UniRef90_B4PWZ4 UniRef90_F7BW04	
UniRef90_G3JBW9	G G S SIV IS GII IA D T G T T IL L L L ID D S II V IS N Y Y Q Q IV IS G A IV IN D S Q Q G
UniRef90_UPI0002741FC4	A C H D G C Q A I L IN I G S S I V V IN G P N E D I V L IN I I Q N I I I H A Q H I F N D M
UniRef90_H0XYN6 UniRef90_UPI000440E872	A C H D G C Q A I L D T G C S V V D G P N E D V L Q I Q N I I H A Q P S F N N M V V N S I S S I I D T G T T Q I V G D E D N V A A V Y K Q I S G A T Q Y G D G I
UniRef90_U6NZC8	TYRPVNALVDTGTSLIAGPSRYVRQIQQAIIGAGPSGELNC
UniRef90_M5G386 UniRef90_B3P3E4	TYRPVNAL VDTGTSLIAGPSRYVRQIQQAIGAGPSGEINC VQPSFKAAIDTGTTLIYLPSAATAALYKAIPGSREDSQQM GGRSNA I LDTGTSLVLVPQQTYHNLLNTLSARQQNGYFV ISTFAEAIADTGTSLIIAPQTQYSQISQLFNA NSEGL SSGTTNGIVDSGTSLITGPSTSIIKIALSV GAMPNIMGQ
UniRef90_B3F3E4 UniRef90_B3P961	TIST FAEAI ADT GT SILI I APQT QY SQI ISQILIF NA NSEGIL
UniRef90_B8C847	SSGTTNGI VDSGTSLI TGPSTSI IKI ALSV GAMPNIMGQ
UniRef90_F7E8F9 UniRef90_K5VG30	
UniRef90_UPI0004561409	ELDNGS AAIDTGT SLIALAQDTADLINAEI GAKKGWNGQ
UniRef90_UPI00035A109D	CAQGCGVILDTGTSLITGPSEEIRALNKAIGG FPFLAGQ
UniRef90_V2XY32 UniRef90_S7Q9X5	AVGREDAL VDTGTTL V VGDEVAVRALLYAKII PGARDATMGF
UniRef90_UPI0003C1693A	CSEGCKATVDTGSSDVQGPGRLVDNIQKLIG IMPQGST
UniRef90_W2T840 UniRef90 UPI0003F49FE6	K K K E Q AJI S D I G I S WI GV PILSV LIS AV VR QV K A ELLDVMN GL N S I S K S I V I D T G T T I I Y V P S S I A D A F Y N O I P G A F G D G F Y O
UniRef90_UPI0004413BCD	TASGFDTI IDSGTTTMYGTPSDVSAFYSALPDSQVFDQAN
UniRef90_V8P2Q6 UniRef90_UPI0003315C14	KENTCWPWNSTLICKDSCQGIVDTGTSLITGPSADIKALHE
UniRef90_H2VVA5	ESKKDQVISDTGTSWLGAPNSVVSAIVKQTKATFDWSSEL
UniRef90_W2TN28	CPNGCQAI ADTGTSLI AGPKAQVEALQKYL GAEPLMKGE
UniRef90_G0N395 UniRef90_B4JA87	KAIKEQVISDIGSGWLGAPIAVIIIAVVKATGALIYDWPLEL
UniRef90_D2DS74	LSKVFNALSDTGTSLLGLPQYLVDGLAKTLGAKFNDGYK
UniRef90_E2RP22	S WC S Q G C Q A L V D T G T S L L T V P Q Q L S A L L Q A L G A Q A D Q Y G Q
UniRef90_Q7SCF6 UniRef90_O57477	VKNVQSVI DTGTTLIVANASQVKQFYATIPGSKDVAPGY ELDNGSAAIDTGTSLIALAQDTADILNAEI GAKKGWNGQ CAQGCGVILDTGTSLITGPSEEIRALNKAIGGFPFLAGQ VVNGLSSIIDTGTTLILGDDRSVAAAFYAAIPGSKDAASQTF AVGRLDAIVDTGTTLILGDDRSVAAAFYAAIPGARDATMGF CSEGCKATVDTGSSDVQGPGRLVDNIQKLIGTMPQGST RKRKEQAISDTGTSWIGVPISVLSAVVRQVKAELDVMNGL NSLSKSIVIDTGTTLIYVPSSLADAFYNQIPGAFGDGFYQ IASGFDTIIDSGTTIMYGTPSDVSAFYSAIPDSQVFDQAN KENTCWPWNSTLCKDSCQGIVDTGTSLITGPSADIKALHE ACHRGCQAMLDTGTSLIIGPQIPVQHIQSVIGAQHFYGGE ESKKDQVISDTGTSWIGAPNSVVSAIVKATFDWSSEL CPNGCQAIADTGTSLIIGPRAAQVETAVATGALYDWSSEL CPNGCQAIADTGTSLIAGPKAQVEAIVKATFDWSSEL CPNGCQAIADTGTSLIAGPKAQVEAIVKATFDWSSEL ICSDCQAIADTGTSLIAGPKAQVEAIVKATGALYDWPLEL ICSDCQAIADTGTSLLAVPANQLTYINNIGAKFNDEYKI SWCSQGCQAIVDTGTSLLAVPANQLTYINNIGAKFNDEYKI SWCSQGCQAIVDTGTSLLAVPANQLTYINNIGAKFNDEYKI SWCSQGCQAIVDTGTSLLTWYVPQQLRGAAFNSQSYY CKAGCEAIVDTGTSLIIWYVPDSILRAYYGQIRGAATNSQSYY
UniRef90_UPI000328D92F	CQGGCQAI FDSGTSVLQGPPKSI LNI QKALGA RLIKDE
UniRef90_O16338 UniRef90_B4LT46	RIQIETTI PDTSSGWTGVPNVVLAGI VKATGATYDWNHQA
UniRef90_M1WAZ5	TETPLPNIADTGSSLMLLPDEIVGAYYSAVDGARYDMFQF
UniRef90_G9NQ54	S F S A I A D T G T T L L L A S D D L V S A Y Y K N V Q G A R E D Q Q Q Y
UniRef90_L8G444 UniRef90_L5L5G7	NASSWYAIIADIGISLLLLIPSDMVGIIYWSAVRGAKFDALQG
UniRef90_UPI0004422871	CHEGCTAAIDTGSSFITGPASSVSVLMKTIGATLVEEQNY
UniRef90_F7A9V3	CARGCAAI LDIGISLI I GPIELIQALNAALRG FPLLAGE
UniRef90_G5EEI4 UniRef90_UPI0002C42486	CARGCAAI LDTGTSLITGPTEEII QAILNSAII GGV AIMTGO
UniRef90_B8PF30	TLGNUSAI I DTGTTL I TGDAANVGKLYASI PGAKNATSGF
UniRef90_UPI000441790A	LIG GTSVIIDSGTTLIVGEPHAVQRILYSNIPGAQPANEFF
UniRef90_UPI00029D8EAF UniRef90_U6PFI1	SDGPVGAVVDSGTSLILIGPPALVQEIIQQAIIGADEYGIIDC
UniRef90_B4MW48	V
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James De Jerondes 2220 Y T. W. P. S. S. L. P. V. T. V. T. L. G. G. D. P. P. V. S. A. D. T. F. T. D. A. S. G. S. S. D. W. L. B. J. M. S. S. D. D. W. T. V. T. T. G. G. W. P. S. L. F. T. W. S. D. T. S. T. W. S. L. P. T. T. G. G. W. P. S. L. F. T. W. S. D. T. S. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. T. S. T. W. S. D. T. S. T. W. S. D. T. S. T. W. S. T. W. S. T. S. T. W. S. T. S. T. W. S. T. S. T. W. S. T. S. T. W. S. T. S. T. W. S. T. S. T. W. S. T. S. T. W. S. T. S. T. W. S. T. S. T. W. S. T. S. T. W. S. T. S. T. W. S. T. S. T. W. S. T. S. T. W. S. T. S. T. W. S. T. S. T. W. S. T. S. T. W. S. T. W. S. T. S. T. W. S.		250 260 270 280
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June Page		LIS C Q S KIL M P E IV KIL V I G G K S F Y L T P D D Y L V E A N Y G K R N G C I
June Part June Part June Part June Part June Part June Part June Part June Part June Part June Part June	UniRef90_E9H7X1	GEVDCNEEPNLPFTI GGKPFVLEGVDYI I PFVDTTTNCLS
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June June	UniRef90_B4KII7	DCSTIVISSII IPAII IKENII IGGTII IESII IPPSAYII ISSETEYNTTYCM
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JARRESO BORNADO STOCKE JARRESO CONTROLOGO JA	UniRef90_W5NWT5	
Junkergo Centrol Cen	UniRef90_D8Q8M0	FTYPCNSKLDINFIIFNGQSFSMNQYDFNLGRTVNSPDCVG
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J. J. R. R. J. P. S. T. J. T. S. K. J. P. S. T. J. S. L. J. T. J. G. K. D. Y. J. A. V. J. O. S. G. V. J. J. R. R. J. J. R. R. J. J. S. J. J. J. R. R. J. J. S. J. J. J. J. J. S. G. V. J. J. J. J. J. J. J. J. J. J. J. J. J.	UniRef90_Q9TTW0	HYVPCSAVNTLPFTINSISYTVPAQAYIKGSRGRCYSTFQ
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JARREJO GANPY JARREJO GANPY JARREJO GANPO JARREJO JARR	UniRef90_F9FRL0	VFSCSATLPSFSFVVGGVTLTIPGSYNYAPVQDGSTTCLG
JARREJO GANPY JARREJO GANPY JARREJO GANPO JARREJO JARR	UniRef90_B3MNC9 UniRef90_G9NK25	TED CSEDI PSESEAVGSSTITIV PGSI I NEAPVDGNTCEG
JARREJO GANPY JARREJO GANPY JARREJO GANPO JARREJO JARR	UniRef90_U3IY42	SEALLRVPAPHPSPARGSKAYALGGSAYRQSQYGEDVCVV
JARREJO GANPY JARREJO GANPY JARREJO GANPO JARREJO JARR	UniRef90_UPI000333C358	Y V V N C N Q V P S L P F H L G D R A Y T L T S A D Y V L Q H P Y S N G G M C G
JARREJO GANPY JARREJO GANPY JARREJO GANPO JARREJO JARR	UniRef90_Q29A80	WMSCAKKUP DLT FVI GGKKFVLAGNKLLKVRTTKGHTICI
JAIRGERO JOSPONZ JAIRGERO JOS	UniRef90_UPI000440A359	
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Junkergo Sessos 3	UniRef90_J3PGN6	A FVF PCNARLPDFRFGLGGYRGVPGRYLNYGYLNPTTCYG
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James 19 20 20 20 1	UniRef90_B4MAU8	LIDCTRTYPTLKLAUGGVIFGIPSSAYI VFEPENÜCVL
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	UniRef90_W2KTQ9	LISCSAAAPDUS FVLNGKSYTLTKEEYLKSGPICLFAFMG
	UniRef90_UPI0003BD969C	VINCSNI GQMPDVTFNI NGNQFTLPASAYVYQVQYSSCI
	UniRef90_UPI0004408014	FTVPCDTIPNISVTLGGTDYTLSSETLNFGQVSESSDCVG
	UniRef90_R4FKP9	KCKDVPNLPPITFLINGTEYVLKGKDYLLNFDYDPYNCIT
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Julikef90_B3P361 Julikef90_B3P361 Julikef90_B3C847 JUL 10 C A K VP N L P DL ET K I N G QV W K VP R G D L V I E S A G T C L F Julikef90_B3C847 JUL 10 C A K VP N L P DL ET K I N G QV W K VP R G D L V I E S A G T C L F Julikef90_E90 A K VV Y L Q E G Y Y A N F L Julikef90_E90 V2V Y32 Julikef90_V2	UniRef90_U6NZC8	NTLP YLPKI AFILIGGAQMVLSGKNYVLQFGDGSCMSGF
Jinkef90	UniRef90_M5G386	Y A Y P C N S N P T IV A F T F S S N E Y T II D L R D F N L G P S E E Q G M C V G V T C R S G S L P N I N I I L G D T V F P II T P S N V I M F I I L D P K P V A V
Jurikef90 B8C847 Jurikef90 F7E8F9 Jurikef90 F7E8F9 Jurikef90 K5VG30 Jurikef90 LPD10004561409 Jurikef90 LPD10004561409 Jurikef90 LPD10004561409 Jurikef90 LPD10004561409 Jurikef90 LPD10004561409 Jurikef90 LPD10004561409 Jurikef90 LPD1000451409 Jurikef90 LPD1000451409 Jurikef90 LPD1000451409 Jurikef90 LPD10003501093 Jurikef90 LPD10003501093 Jurikef90 LPD1000351093 Jurikef90 LPD1000351093 Jurikef90 LPD100035199F6 Jurikef90 LPD100034135014 Jurikef90 LPD100034135014 Jurikef90 LPD100034135014 Jurikef90 LPD100034135014 Jurikef90 LPD100034135014 Jurikef90 LPD100034135014 Jurikef90 LPD100034135014 Jurikef90 LPD100034135014 Jurikef90 LPD100034135014 Jurikef90 LPD100034135014 Jurikef90 LPD100034135014 Jurikef90 LPD100034135014 Jurikef90 LPD100034135014 Jurikef90 LPD10003415014 Jurikef90 LPD100034135014 Jurikef90 LPD10003415014 Jurikef90 LPD1000342280925 Jurikef90 LPD100034280925 Jurikef90 LPD100034280925 Jurikef90 LPD100034280925 Jurikef90 LPD100034280925 Jurikef90 LPD100034280925 Jurikef90 LPD1000342804 Jurikef90 LPD1000342804 Jurikef90 LPD1000342804 Jurikef90 LPD1	UniRef90_B3P961	FECSSTAYPDILVININGVDFRIPAKYYIIQEGYL CS
Juriker90 (LPI00004561409) Juriker90 (LPI00004561409) Juriker90 (LPI00004561409) Juriker90 (LPI00004561409) Juriker90 (LPI000035A109D) Juriker90 (LPI000035A109D) Juriker90 (LPI000035A109D) Juriker90 (LPI000035A109D) Juriker90 (LPI00003C1693A) Juriker90 (LPI00003C169A) Juriker90 (LPI00003C169A) Juriker90 (LPI0003C169A) Juriker90 (LPI0003C169A)	UniRef90_B8C847	YTIIDCAKIVIPNILIPDLIEFKIINGQIVIWKIVIPGKDILVIIESAGTCLIF
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JniRef90_UP10004413BCD	UniRef90_UPI0004561409	YSI ECEKVPSLPFYIDGKPFELEGKDYI LEVQGSCISSFQ
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JniRef90_UP10004413BCD	UniRef90_S7Q9X5	FTVPCDAIPTVGLTFAGTTFDISPAAFNLGRVSPGPDCVG
JniRef90_UP10004413BCD		TIVISUS A VIN I ILIPETII IN GILIN Y PIVIP G KA YII LIK D S R G H C Y T T F Y KIVIP C S K M N S ILIPETII IN G K E Y TIVIP S IVIETIVIT DIVIETI G G G O C F F
JniRef90_B4LT46	UniRef90_UPI0003F49FE6	FPCQTTARPSMSFNNQGQMFWSMSDFNLGRTGQGSSMCVG
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JniRef90_B4LT46	UniRef90_UPI0003315C14	YLIGCQARNTEP DEVETEGGVQYPVPASAYIGQRQWNCYS
JniRef90_B4LT46	UniKet90_H2VVA5 UniRef90_W2TN28	Y I I V ID US I M Q I Q P F I I I I G G I K Y N IV K S IV E Y II L ID L Q L I G G G K C V F Y M II P C D K V P S L P F I I I D G K T F T I I K G F D Y V T V K A A G K S I C I I S
JniRef90_B4LT46	UniRef90_G0N395	YTVPCSTMQTQPFNIGGDYTIKSVEYILDLNLGNGNCMF
JniRef90_B4LT46	UniRef90_B4JA87	VIDUSVIN SLIPTIL IN FILI GESVIF SILITS A E YII TVI QESDT K Y CM
JniRef90_B4LT46	UniRef90_E2RP22	FIVOCNNVQNLPLT FLIGSRVRFSLPYHSFLFTENGLCAL
JniRef90_B4LT46	UniRef90_Q7SCF6	VIFPCSTEAPDFTFGVTDEATLITIPFLINYGPVTDDGETCFG
JniRef90_B4LT46	UniRef90_UPI000328D92F	YVLKCRTVCTLPDLVFTLNGVDYPVPASYVFQTHRNTCYS
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JniRef90_G5EBI4 JniRef90_UP10002C42486 JniRef90_UP10002C42486 JniRef90_UP10002C42486 JniRef90_UP10002C42486 JniRef90_UP10002C42486 JniRef90_UP10002C42486 JniRef90_UP10002C42486 JniRef90_UP10002C42486 JniRef90_UP10002C42486 JniRef90_UP10002C42486 JniRef90_UP10002C42486 JniRef90_UP10002C42486 JniRef90_UP10002C42486 JniRef90_UP1000C441790A Y T V P C N A M P D V S F T F G G K P F H I S K D L F L G P V S H G S S D C L A Y S F P C A N P D V S L T F G G H Q F H L S A D T F N L G R E S A S S N R C I JniRef90_UP1000C4472207 Y I L C S E L P K L P F L L G G V W F N L T A Q D Y V L D L Q L G G K C V F Y L I D C S K I P T L P P V S A G V W F N L T A Q D Y V V Q I A R F G V R C V S Y T V P C N A M P D V S F T F G G K P F H I S K D L F L G P V S H G S S D C L A Y S F P C A N P D V S L T F G G H Q F H L S A D T F N L G R E S A S S N R C I JniRef90_UP100029D8EAF JniRef90_UP100029D8EAF JniRef90_UP100029D8EAF F L V D C A T I S K L P D I I F T I A R K E F A L K S T D Y I L K Y G N T C V S JniRef90_B3MNK9 F L V D C A K I P N F P D I I F N I G R K D F P L K S S D Y V L R Y G N T C V S	UniRef90_G9NQ54	VFDCSTTLPDFTFTVGDGKLTV PGSLINYGQASGSECFG
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JniRef90_G5EEI4	UniRef90_UPI0004422871	VVECKKIHLLPDISFHIGDVTYSLSSSAYVLKYGKELCVV
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UniRef90_T1I914 SCDDLKQLPTITFHINGVAYNIDGEDYIKVTQGGQTACVV		F L V D
	UniRef90_T1I914	S CDDEK QLPTITFHI N GVAYNID GEDYIKVTQGGQTACVV

	200 240
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UniRef90_F8P5P8 UniRef90_G3W996	AVSANDGGDFWVLGDAFLRNVYTVFDVGNSRVGYAQLA GLPFQNGQPLWILGDVFLRSYYSVYDMNNNRVGFATAA
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UniRef90_B4KII7 UniRef90_E3N0K6	GMSASSFGPAWVLGD <u>T</u> FIIRSY <mark>C</mark> HVYDYGNMRIGLAKA
UniRef90_UPI00045E4207	G F Q R S P E G P F WI L IG DIVIFIL IG S Y IV IA IV IF D R G N S R G G
UniRef90_W5NWT5 UniRef90_D8Q8M0	A F G E H G S R E T WF L G D V F L R V Y F S V F D R G N D R I G L A R A V G L A M G S D F P S N L G D E F L K S W Y T T F D F S H G R V G F A P S
UniRef90_UPI0003AF5C6B UniRef90_U6NYF2	T F Q N K N E A E T WV L G N V F L K L Y F S V Y D R E K Y R I G L A P A V A F D L P P M G P P W V L G D V F L R K Y Y T V F D H G N K R V G F A K
UniRef90_Q6FK02	PMDFPEPGRMAILGDAFLRRYYSVFDLDANVVSLAEAV
UniRef90_K0IUW4 UniRef90_A0A023F7D8	N F Q T M P A G F W I L G D V F I R E Y Y V V F D R A G N Y I G L A N V A L A G M N L G S E Q W I L G D V F L G K Y Y S I F D S E K A R V G F A
UniRef90_Q9TTW0	A GMNLGS E Q WI L G D V F L G K Y Y SI F D S E K A R V G F A GH T M S S S T E T WI L G D V F L S Q Y F S V F D R G N D R I E N K V S S S T E T WI L G D V F L R L Y F S V F D R G N D R I GF L P A P L G P L WI L G D V F I G R F Y T E F D F G N N R V G F A K V K
UniRef90_W5PLS6 UniRef90_R7V8Z4	ENKVSSSTETWILGDVFLRLYFSVFDRGNDRIGLARAV GFLPAPLGPLWILGDVFIGRFYTEFDFGNNRVGFAKVK
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UniRef90_B3MNC9 UniRef90_G9NK25	STFSYIGTEFWILGDVFLGQFYTEFDFGQNRVGFGNLA GLQSDDGIGISIFGDVAIKAALVVFDLGNKRLGWAQK
UniRef90_U3IY42	AFI PPPAGPL WILGASFI GHYYTKFDRRNNRI GFATA
UniRef90_UPI000333C358 UniRef90_UPI0003EA94C6	LDVPPPT GPL WAL GATFIRKFYTEFDRHNNRI GFALA GF_YSGNNQLWI LGDVFMREYYSI FNRAYNMV GLARAV
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UniRef90_S8EG32	GQDLGLGSNTWLFGDTIMQSLYTIFSVDNNAVGFA
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UniRef90_UPI0004408014	GLISSDGSDFWILGDVFLRNVYTEFDVGNLQVGFAP
UniRef90_R4FKP9 UniRef90_R7S6G7	GFGVELKGKPWI LGDVFLRKFYTUFNVQDKAVAFAT
UniRef90_U6NKB8	AFDLPPSGPT WILGDVFLRKFYT VFDHGNKRVGFAKS
UniRef90_B4PWZ4 UniRef90_F7BW04	T G F G A T G G N M W T L G D V F L K Q Y Y S I Y K R G Q N M L G L A K A G L M D L S G I T F W I I G D V F L R Q H Y V E F D S T K Q Q M G I A P A G I S S D G S D F W I L G D V F L R N V Y T E F D V G N L Q V G F A P G F G V E L K G K P W I L G D V F L R K F Y T I F N V Q D K A V A F A T V V D L N Q P S N V W L L G D T F M K N V Y T A F S L D Q N A V G F A A L A A F D L P P S G P T W I L G D V F L R K F Y T V F D H G N K R V G F A K S A I Q S I N Q D F W I M G D V F L G R F Y T E F D V G N Q R L G F A P G F Q V T P S G Q L W I L G D V F M A E F Y C V F D A G N N R V G F A R A V G L Q S N N G N G L S I F G D I A L K A A Y V V F D A G N N R V G L A T A A F D N T F S S K T W V L G N V F L S L Y F S V Y D R A N N R V G L A T A A F D N T F G S K T W I L G D L F L S L Y F S I Y D R A N N R V G L A T A G G L A S D S S E F W I V G D V F L Q N V Y T A F D V G N Q R V G F A T L A M S F G M S D G F Q W I L G D V F L G A F Y T V F D A G N Q R V G F A X A G V I A M D G E P L A I I G D E F L K S W Y S V Y N F D G P K V G F A K A
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UniRef90_F7E8F9 UniRef90_K5VG30	NILISILIP NIGQPILIWI LIGDIVIFILIR QYYSIVIF DYGNNQII IGFASILIA AIVVIGSSSIISE WVVIGDTEILIONVIYSTEDII IGNNRIVIGEATII K
UniRef90_UPI0004561409	GLNLPGPLADLI I GDVFLRKYYSAYHLGKNAVGLAPS
UniRef90_UPI00035A109D UniRef90_V2XY32	GIAGGSPVEFWVVGDVFLQNVYTVFDVGNTQVGFADLA
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UniRef90_W2T840	YLEGNGFGPS WILLGDT WIRTFCNVHDIGNKRIGFAKA
UniRef90_UPI0003F49FE6 UniRef90_UPI0004413BCD	GL LIGII IS D GLIP D NILIG D E FILIK S WY SILY DILIG N S RIVIG F A A S G E DILIGILIG D NIVIWL LIG D S F M K NIVIY T A F D F D H K OIVIG F A A ITIA
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UniRef90_W2TN28	GFMGMDFGELWI LGDVFI GKYYTVFDVGQARVGFAQAK
UniRef90_G0N395 UniRef90_B4JA87	SSFISIDTNFWILGDTFIGHYYTQFDFGHNSVSFAP
UniRef90_D2DS74 UniRef90_E2RP22	GMGIVIS GMGIVIQIV V LIGNSFII QSYCNII Y DFGNNQII GFALPK
UniRef90_Q7SCF6	GLQTSSDÖGI NI FGDVALKAAYVVFKGGDPSLGWA
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UniRef90_UPI0004422871 UniRef90_F7A9V3	A FILIP P P L G P L WL L G A T F I K Q Y Y T E F D R Q N N R I G F A T S G F Q P P P A G P F WL L G D V F I G T Y V A V F D R G D R R V G I A P A
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UniRef90_UPI0002C42486 UniRef90_B8PF30	G F Q D P P V G P L I WI L I G D I V F L I G S H V A I V F D R G D K R V G L S V V G T S D Q K F W I V G D R F I I Q N V V T I V F D M Q G I R V G F A
UniRef90_UPI000441790A	ĞVĞQNÜĞÂSEWI VĞDÜEMRNÜYTĞEDÜĞHNRVĞEÂNLA
UniRef90_UPI00029D8EAF UniRef90_U6PFI1	GHIMSSSIEIWILGDVFLSQYFSVFDRGNDRIGLAQAV GTQSPAPGVSWVLGDTFIGTFYSIFDHANKRVGFA
UniRef90_B4MW48	A M G M P T G P Q W I L G D V F L G R F Y T L F D Y E N Q K V G F A S L A M G M P T G P Q W I L G D V F M R K F Y T I F D Y E N Q K V G F A S L A N A V V G S S S L S F W V V G D T F L Q N V Y S V F D L G R N R A V V G F A A D L I I G D V F L R Q Y Y S V F D L G R N R V G L A P S A N V V G S S S L S F W V V G D T F L Q N V Y S T F D L G R N R R V G L A P S A N V V G S S S L S F W V V G D V F L R Q Y Y S V F D D V G S N R R V G L A P S C F Q R Q S E F W V V G D V F L Q N V Y S T F D L G R O N K R V G L A P S C F Q F Q S E F W V V G D V F L Q N V Y T V F D D W G S N T Q V G F A A D A A V V G S S S L S F W V V G D V F L Q N V Y T V F D D W G S N T Q V G F A A D A A V V G S S S L S F W V V G D V F L Q N V Y T V F D D W G S N T Q V G F A A C S G F Q P D L N L G D D V F L Q N V Y T V F D D W G S N T Q V G F A A K A S C G F Q P D L N L G D D V F L Q N V Y T V F D D W G S N T Q V G F A A K A S C G F Q P D L N L G D D V F L Q N V Y T V F D D W G S N T Q V G F A A C A K S L C G F Q S E F W V V G D V F L Q N V Y T V F D D W G S N X R V G G F A A C A S C G F Q P S W L L G D D T W L R L Y F S V Y D D L G N S R Q V G F A A C A S C G E D L G D S F M K N V Y Y T A F D F D D H K R R V G G L A A C A S C G E D D C G D N V W L L G D D T F L R Q Y C N L Y D D L G N S R Q V G F A A C A K S C G G D N V W L L G D D T F L R Q Y C N L Y D D L G D S F A A C A C A C C S S F A P A C A C A C C S C C A C A C C S C C A C C C C
UniRef90_B3MNK9 UniRef90_T1I914	GFTTLPPQPFWILGDVFLGKVYTVFNVEDKTVGFA

	1 10 20 30 40
UniRef90_UPI0002742A92	VTYESILWNYLDLVIYVGLITI GTPPQTFKVVFDTGSADF
UniRef90_E3LZP0 UniRef90_K5WLS2	SLPQNVNDYGDIEYLGNITIGTPPQPFLVVLDTGSSNL IEALADDQDVEWVGPIAIGTPGQPFTIDFDTGSSDL
UniRef90_Q2HCE4	S N G T V E T N P E A N D V E Y L T P V S I G T P E Q V L N L D F D T G S S D L
UniRef90_Q22CL2 UniRef90_Q29078	T E
UniRef90_G0PHV3	L WNYLDMVYVGNITI GTPPQLFSVIFDTASSDL SLPQNVNDFADFEYLGNITI GTPNQSFTVVLDTGSANL KGKVQASVPPKYDSEYSLPVQI GTPPQTLPLNLDTGDLWT
UniRef90_T5AE91 UniRef90 M2RRH1	E AIL II D D S DIL IE WA G QIL II II IG I P G Q I F IL VID M D I G S S DIL I
UniRef90_B3P3E5	S G A A T L A N H G N M Q Y T <mark>C</mark> K M N I G T P K Q M F T V I P D T G S S N I
UniRef90_O01530 UniRef90_J4W9B9	P Q N V N D F G D F E Y L G N I T I G T P D Q G F I V V L D T G S S N L <u>E</u> A L P A P A D S E Y V L P V G L G T P P Q I L P L N L D T G S S D F
UniRef90_A2FIM5	GGSSVPLHDFSDAQYYTEIITI GTPAQKFKV <mark>C</mark> PDTGSSNL
UniRef90_S7Q9D4 UniRef90_O93885	GSAIVITTPFQY DIVIFYII ITPIVIAIVIG GTTMNII IDFDTGSADII I
UniRef90_M2QLC4 UniRef90_V8PFP9	EPTĪDSNDLĒWĀGTISIĞTPAQSFLIDFDTGSSDL NITKVQYYGKIHIĞTPPQEFTVVFDTGSSNL
UniRef90_F0Y569	IV L IT D Y F N N Q YIVIG QII ISII IG T P A Q QIL ISIV VIF D T G S S DIL I
UniRef90_G0R8T0 UniRef90_UPI000440847E	GSAPNHPSDSADSEYLTSVSIGTPAQVLPLDFDTGSSDL
UniRef90_H0Z7M4	T G T V P L T D V V D G Q W Q G S V S V G T P P V E Y L V D F D T G S S D F L G T P P Q E F T V V F D T G S S N L N D Y T Y F A A V K V G S Q G Q K M W M M L D S G G V N T
UniRef90_I8TWD1 UniRef90_V2XG44	N D Y T Y F A A V K V G S Q G Q K M W M M L D S G G V N T S <u>E</u> P L E D V N D L <u>E</u> W L G P V S I G <u>T</u> P G Q S F <u>L</u> I N F D T G S A D L
UniRef90_W4K717	IVIPILIT N D R S OIVIWY G SILISIVIGIVIP A O T Y TIVIF F D T G S S DIL
UniRef90_G0RSP8 UniRef90_F8Q6W7	GTAVÁSPPGADAEÝVLPVKÍ GŤPPQŤĽPĽNĽDTGDĽWV NSGSUPLTDDHGQLWFGSI SVGTPAVITYTVDFDTGSSDL
UniRef90_UPI000440B278	A L T D D E G E L WQ G D S V G T P P V G F T V D F D T G S S D L
UniRef90_C7ZCV9 UniRef90_Q75BX8	DVEWLTPI QI GTPGQVLNLDLDTGSSDL GKFSANVYNFENFQYSVDI TLGTPAQNFRVALDTGSSLL
UniRef90 I7LY22	NYADLQYFGQVQIGTPAQTFTVVLDTGSSDL GSANTNPSDSADDEYLTNVSIGTPAQVLPLDFDTGSSDL
UniRef90_F9XKQ2	TIVISIVITII ID N F A TILIY Y M N A SILIG T P G Q N F QILI <mark>H</mark> II ID T G S S DILI
UniRef90_A0A014QSH5 UniRef90_O02729	NEFVVEVELGTPPQKLPLVPDTGSTDF THPLSNYLDMLYTGNITIGTPPQKFQVIFDTGSSDL
UniRef90_A0A016UZA2	IL IS D Y S N A Q Y Y G T IV IQII IG T P P Q T F QIL L IF D T G S S NIL I
UniRef90_J4GP15 UniRef90_A1CH14	EPLTEDDGE WDGDDVTI GTPAQNF <u>TI DF</u> DTGSSDL DGMDYSY <u>F</u> CAVDVGSQRQRMW <u>M</u> LLDTGPNT <u>W</u>
UniRef90_H3E1R8 UniRef90_UPI000440733B	P Q K V N D Y D D A E Y V G N I T V G T P G Q F F E V I L D T G S A N L
UniRef90_UPI000440733B UniRef90_W5PCA7	SPPRNII IM DIL VII EGDII ISIVIGIED SQFQIVIFFD I GSSDILI
UniRef90_S9WRT4	A Q Y Y G E G G T P P Q C F T V V F D T G S S N L
UniRef90_F1L5L9 UniRef90_U9UFI9	N DILIE WILIG QILISILIG T P P Q S FIL I NILID T G S A DILI
UniRef90_Q8MYN6	NTGSQPLIDYYDDMYLANITVGTPPQPASVVLDTASANL GTTSATPPGGYDYEYVSPVKVGTPAQTINMDIDTGSADF
UniRef90_R8BV72 UniRef90_I3LL61	Q P L R N H L D M I Y V G N I T I G T P P Q Q F S M A F D T G S S D T
UniRef90_E9EKF8 UniRef90_H3ETD0	G S D P N S P Q Q Y DIL IF YIL IA PIVIQIL IG T P A Q T IL INIL ID F D T G S S DIL I
UniRef90_U1MNP3	Q A Q Y Y G D I S I G T P P Q N F T V I F D T G S A N L
UniRef90_G4VG11 UniRef90_W6NC61	STPEQLINFKNLQYYGEISVGTPPQKLRVLFSTGSIDT LSNYLNAQYYGTIQIGTPPQTFKVLFDTGSANL
UniRef90_W2TU09	S G S Q P F I D Y A D D F Y L G N V T L G T P P Q T T T L V L D T G S S N L
UniRef90_UPI0002C62FF4 UniRef90_G2QIG8	Y T D A S Y F G K S G T P P Q N F L V L F D T S S S N L S N G S T E T N P E T N D V E Y L T P V S G T P P Q V L N L D F D T G S S D L
UniRef90_UPI0004621F5E	V P L T D S F D L E W T G P I T I G N P P Q N F T L D F D T G S S D L
UniRef90_H2WHS9 UniRef90_D8PTW4	N Q D T E W A G D T G S D D Q K F L D F D T G S S D W
UniRef90_G3RYZ7 UniRef90_R9XE44	PASVPLSKFLDAQYFĞEI GLĞTPPQNFTVAFDTĞWVPS TQYSINVTLGTPPQVLSVALDTGLGNL
UniRef90_W9YT40	ADGS V TATPEEYDAEY L <mark> C</mark> P V T V G GQT L N L DFDTGSAD L
UniRef90_A0A024G6L8 UniRef90_R7S1W4	VVIRDFQNAQYYGEIQLGSPAQSFSVIFDTGSSNL SETLTDVGDAEWTGDITIGTPGQPFVVDFDTGSSDL
UniRef90_T1G969	
UniRef90_O13340 UniRef90_W5K6L9	Q M A Y F G K II I G I V I G S P P Q Y F Y I V I H F D T G S S T II I
UniRef90_D2DS70 UniRef90_E4X616	VGSQPFIDYYDDFYVGNITLGTPPQPFQIVIDTGSSNL ADVPTNELTNYFDAQYFGPLTIGTPAQNFTVIFDTGSSNL
UniRef90_G9MUE5	SNGNIVITATPDGDDILIQYIL VIPIVIQILIGTPPQTILIHILIDFDTGSSDILL
UniRef90_M2R3T0 UniRef90_X8IZE5	N DIL LIWIVIG EILIEILIG K P R Q R F RIVID F D T G D T WIVI
UniRef90_U6PX03	G S S E L Q H N H F D T N Y Y G P Q G D P P Q N F T V Q F D T G S S N L
UniRef90_I7ESJ2 UniRef90_M4GBC3	KASGSQHFIDYYDNFYLGNITLGTPAQPFTIVLDTGSSNL FDIEYLSPVMVGDPGQLVFLNFDTGSSDT
UniRef90_A0A016U544	SIVIA H RIV L ID Y S D Y E Y IV IG N II IT II IG T P G Q P F IV V V L ID T G N IL IWIVI
UniRef90_G4TMT8 UniRef90_UPI000455E9A8	A L T D D S E E L W H G T I S V G T P A V S Y K V D F D T G S S D L G D G A V Q L T D S D E T L W Y G K I A V G T P P K T F T V D F D T G S S D L
UniRef90_A0A024GBL8 UniRef90_J4U6H5	Y D N L Y T G E I S V G N P G Q K F S V V L D T G S A D L
UniRef90_B8PIJ3	NDSGLLWTGSIEIGTPPQSFLVCFDTGSADL
UniRef90_UPI0004417F07 UniRef90_W4G0A3	Y D NL Y T G E I S V G N P G Q K F S V V L D T G S A D L N D S G L L WT G S I E I G T P P Q S F I V C F D T G S A D L VA S D K L T D D S E E L WY G K I S V G T P A V T Y T V D F D T G S S D L VQ L Q N Y G N V Q Y V G E L S F G S P P Q V L T V V F D T G S S D L VT S Q S L R N F L T Y V G L I T I G T P P Q T L Q L D L D T G S S D L VT S Q S L R N F L T Y V G L I T I G T P P Q T F K V I F D T G S S D L VA Y E P E T N V F D N Y Y F G E I S V G T P R O N F V I F D T G S S D L
UniRef90_Q2GUS3	GSAAATPIDREDLAYVITPVTIGTPPQTLQLDLDTGSSDL
UniRef90_UPI0002742A91 UniRef90_W4K0B9	VTSQSLRNFL TYVGLITIGTPPQTFKVIFDTGSADF ALTDDDAELWYGTISVGTPAKTYTVDFDTGSSDL
UniRef90_UPI0003F1B5A0	
UniRef90_J3PTM2 UniRef90_UPI0003EDF846	D E F Y G Q L D V G T P P Q A F M L D F D T G S S D M
UniRef90_S8BBC4	T S V T A T P G S R D V Q Y T P V N I G I P A Q A L K I N V D T G D F W V
UniRef90_D5G878 UniRef90_F9FQ08	DGSDLSYFSEMKFGSNNKSFVLVIDTGSSDT DGTDYSYFLEVEIGSEKKTMYMLIDTGAGSS EPTTDDGDLEWSGTISIGTPAQNFLIDFDTGSSDL ENVNDYDDMEYLGNLTLGTPPQQFSVVFDTGSANL
UniRef90_S8F3D6	EPTTDDGDLEWSGTI SI GTPAQNFLIDFDTGSSDL
UniRef90_U1M723	ENVINDIDUMEYLGNUILGIPPQQFS <u>VV</u> FDIGSANL

UniRef90_UPI0002742A92 UniRef90_E3LZP0 UniRef90_KSWLS2	50 60 70 80 WCYSDSCGECLLHPVSCPSATGSSVLSRPDRCPPLVPADT WVPGTTCGGTCKGKKKFDFTKSTTFVSNNQSWVIQYESGS WVPSTSCTDSICTGKNKYDSKSSTSAQQSSTFTIVYGDQS WVFQTKNSEVDGQTVYNPTKSSTAKELKGYTWQLSYGDGS
UniRef90_Q2HCE4 UniRef90_Q22CL2 UniRef90_Q29078 UniRef90_G0PHV3 UniRef90_T5AE91	WV F Q T K N S E V D G Q T V Y N P T K S S T A K E L K G Y T WQ I S Y G D G S W V Q S I D C K E S S C V K H Q R F N Y T A S N T F K K T D R N F S I H Y L G G W V P S N Q C H S R A C V T H R S F N P T L S S T F Q S S N R T V K L A P H S G W V P G T G C K A N C D K K Q K F D S T K S S T F V K N G R A F Q I Q D G A G S F S D T Y P G V I N G Q T L Y H P E N S S T S R L L R G E S W Q V K Y G D G A W V P S S S C T S C G S K H T Y N A A S S S T S H Q Q S G N F T I Q Y G D G S T W V P G P H C K S E G C Q N H K K Y R P A K S S T Y A R N G K S F A I T Y G S G D W I P G P T C K T N C K T K S K F D S T A S S T F V K N G K S W T I Q Y G S G D W V F S D E T P K D G L Q R L Y Y P K N S N T S R L L P G Q S W R V K Y G D G S W V P S K K C N S I A C W L H T R Y D S S K S S T Y T A D G R E V D I Q Y G S G F P G P N C K T N C A G H K A Y N P S Q S S T S K D V H Q T F Q L A Y G D G S W V F S N E L P S S Q T T G H S V Y K P S D N G T R M S G Y S W E I S Y G D G S W V P N I A C T S S T C K S K H R Y N P A S S S T K N Q T G T F S I Q Y G D G S W V P S V F C K S P A C K N H R R F N P S L S S T F K K T K Q S M A I W Y G T G
UniRef90_M2RRH1 UniRef90_B3P3E5 UniRef90_001530 UniRef90_J4W9B9	WV P S S S C T S C G S K H T Y N A A S S S T S H Q Q S G N F T I Q Y G D G S T WV P G P H C K S E G C Q N H K K Y R P A K S S T Y A R N G K S F A I T Y G S G WI P G P T C K T N C K T K S K F D S T A S S T F V K N G K S W T I Q Y G S G D WV F S D E T P K D G L Q R L Y Y P K N S N T S R L L P G Q S W R V K Y G D G S
UniRef90_A2FIM5 UniRef90_S7Q9D4 UniRef90_O93885 UniRef90_M2QLC4	WVPSKKCNSIIACWLHTRYDSSKSSTYTADGREVDIIQYGSGFPGPNCKTNCAGHKAYNPSQSSTSKDVHQTFQLAYGDGSTWVFSNELPSSQTTGHSVYKPSDNGTRMSGYSWEISYGDGSWVPNIIACTSSTCKSKHRYNPASSSTKNQTGTFSIQYGDGS
UniRef90_V8PFP9 UniRef90_F0Y569 UniRef90_G0R8T0 UniRef90_UPI000440847E	WV P S V F C K S P A C K N H R F N P S L S S T F K K T K Q S M A I WY G T G WI P G R G C N E C G H H A T F D Y T A S S T Y E P L L D K N G D L S K F E V D WV F S S E T P K S T G H A I Y T P S K S S T S K K V S G A S W S I S Y G D G S F P G S D C G S S C S G H T L Y D P S K S S T A Q D A D Q Q F Q L G F G N G A Q WV P S V I C S S P A C R N H N R F N P A E S S T F L S T N D T L F I A Y G T G WL F G S D C T S S C K C H N T F G E H A S T S L L T N K E W G V G Y G T G
UniRef90_H0Z7M4 UniRef90_I8TWD1 UniRef90_V2XG44 UniRef90_W4K717 UniRef90_G0RSP8	WLFGSDCTTNSCKLHNTFGEHASTSLLLTNKEWGVGYGTG WLPSEDCRSSACASKTLYEPTSSTSKKERGQFGLQYGDGS IPGPSCDTNCGAHARYAPGSSSTSVNLGKTFTWDTGNSSS LSTDTYPPQVQGQTRYNVSASTTAQRLIGESWVIRYGDGS
UniRef90_F8Q6W7 UniRef90_UPl000440B278 UniRef90_C7ZCV9 UniRef90_Q75BX8	FLPGPNCSSTCSGHTIYNPLTSTTSKDLGGTFTLTYGDGS FLPGVDCTVNCEGHTLFDPSASATAADQAQPYSLAFGDGS WVFTNSTQGASQRTSYNPGKSSTSRKLNGYTFSIQYGDGS WIPSDRCTSQLCRTRNRYRSGASSTFKATDKTLRLQYVKG
UniRef90_I7LY22 UniRef90_G9MLM6 UniRef90_F9XKQ2 UniRef90_A0A014QSH5	WV P G T P C N S L P C L V H N K F N P K K S S T Y V D T G K S F S I Q Y G T G WV F S S E T P K S S G H V T Y S P S K S S T A K K L S G A S W S I T Y G D H S WV N V C E R Y S C G E S G T Y D P R D S S T Y Q Y L N S E F N L S Y A D G S G WV Y S T D T G S G W N N H K L W D L A K S T T A R N L T G Y T W K I Q Y G T G
UniRef90_O02729 UniRef90_A0A016UZA2 UniRef90_J4GP15 UniRef90_A1CH14 UniRef90_H3E1R8	WL F G S D C T T N S C K H N T F G E H A S T S L L T N K E W G V G Y G T G WI P S E D C R S S A C A S K T L Y E P T S S T S K K E R G Q F G L Q Y G D G S I P G P S C D T N C G A H A R Y A P G S S S T S V N L G K T F T W D T G N S S S I S T D T Y P P Q V Q G Q T R Y N V S A S T T A Q R L I G E S W V I R Y G D G S F L P G P N C S S T C S G H T L Y N P L T S T T S K D L G G T F T L T Y G D G S F L P G V D C T V N C E G H T L F D P S A S A T A A D Q A Q P Y S L A F G D G S W V F T N S T Q G A S Q R T S Y N P G K S S T S R K L N G Y T F S I Q Y G D G S W I P S D R C T S Q L C R T R N R Y R S G A S S T F K A T D K T L R L Q Y V K G W V P G T P C N S L P C L V H N K F N P K K S S T Y V D T G K S F S I Q Y G T G W V F S S E T P K S S G H V T Y S P S K S S T A K K L S G A S W S I T Y G D H S W V N V C E R Y S C G E S G T Y D P R D S S T Y Q Y L N S E F N L S Y A D G S G W V Y S T D T G S G W N N H K L W D L A K S T T A R N L T G Y T W K I Q Y G T G W V P S N F C T S P A C S T Q A R F R Y R Q S S T F R L T N R T F C L T Y G S G W V P S N F C T S P A C S T Q A R F R Y R Q S S T F R L T N R T F C L T Y G S G W V A S S N C D S C E S Q D S Y D P S A S S T S E E Q S G T F S L E Y G D G S T V F S S E C E T E T C T N H T R F E Q P A S K T L K P E P Y A WA I G Y G K G Q W V P D A T C S G G V T N P C A N K H K F D A S K S T T Y A K N G K A F T L E Y
UniRef90_IDI000440733B UniRef90_W5PCA7 UniRef90_S9WRT4 UniRef90_F1L5L9	WV P D A T C S G G V T N P C A N K H K F D A S K S T T Y A K N G K A F T I E Y F L P G T A C T D Q N C H K K F N T A A S S T A I D Q H Q T F Q I E F A D E S T C V P S L F H P H L A C Y T H L G L Q L Q K S S T F R P S K K T F R I T Y G S W V P S I H C K L D L A C W I H H K Y N P Q E G R V P L Q C V G F K V P C N S W I P D V T C I T S I C G P K H R F D S S K S S T Y I R D G R K W E M G Y G D G W I P S I D C S K Q C A N D R K F V P S K S K T F K S V G T K F D L A Y G D N T
UniRef90_U9UFI9 UniRef90_Q8MYN6 UniRef90_R8BV72 UniRef90_I3LL61	WV I D A A CN S Q A C Y I K Q K F N P N K S S I F V K G I R R F S I Q Y G S G WL F Y S K T P S I Y Q G G Q T L Y Y P E K S S T S K K L T D S R W S I G Y G D WV P S I Y C Q S M A C V T H N T F D P F Q S T T F Q L P G I V I D L H Y G S G
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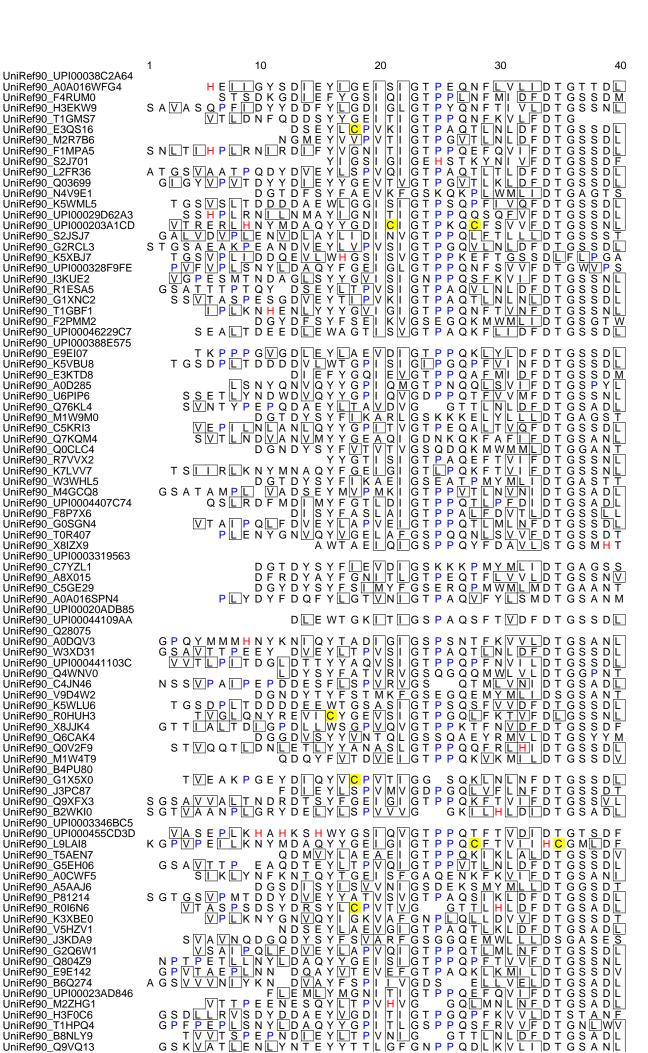
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UniRef90_D2DS70	ESRKQQVI SDTGTSWI GAPTSYMSRI ASTLGAQFDWENEL
UniRef90_E4X616 UniRef90 G9MUE5	A V A S D F E V I D S G S T I I N A P P A A A K A F W D A V E D A Q V F D A D Q I S K R Y Q V I S D T G T S F L G G P N S V V S K L A E A L G A T Y H K D D E T A A D N F D T I I D S G T T L A Y G P P D T I D E I F S K I D G A K A Y D Q Q Q C A Q G C A A I L D T G T S V I V G P T E E I R A L H A A I G G I P L L A G E Q G E G Q G A I L D T G S S L T L L L D D S I V S D Y Y S Q V S S A R Y D N T Q G Q G C H K A I I D S G T S L I A G P K D E I H A L A K V V G A H S F I M G Q Y V V Q N F D T I I D S G T S L I A G P K D E I H A L A K V V G A H S F I M G Q Y V Q N F D T I I D S G T S L I V G P S E E I R N L N L E I G A L P I I K G I I Q A S Q I S G I S D T G T T L L Y L P T A I V T A Y Y R Q V Q G A Q N S Q Y Y Y C S N G C T A I V D T G T S M L E C P P Q Y V H S L H S M L G A H S S G D Y T F E S R K Q Q V I S D T G T S W I G A P T S Y M S R I A S T L G A Q F D W E N E L C E G G C Q G I V D S G T S L I T G P T E I T D Q I N K A I G A I E F I A G E W A I A D T G T T L L L L A S D A L V K S Y Y Q K V Q G S Y D S S S G Y N G F N G N M V I D S G T S L I L G A Q A S V V H W W S K V P G S K V C P A D K L P G N F M A A V D S G T S Y I V G P P E N I Q E L D H L G V I E F E P I D C
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51 (0100_0 11V11 20	. CC. SKEN <mark>O</mark> REILI I QIEICOKI I WQI KWDOLIKOOO I KOOO

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UniRef90_O13340 UniRef90_W5K6L9	HCSRVDSLPTLTFVMNGAHLHLPPSAYVLQTEQSGSHCKS
UniRef90_D2DS70	YTI PCSSYPDMVFTINKVKYSLPSKQYILDLGLGSGNCAL
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UniRef90_X8IZE5 UniRef90_U6PX03	STVSNYPT T FKLLSNEFVHEFELEGQQYI I ESSNGECI V
UniRef90_I7ESJ2	Y T V D C N K Y P D V N L L L G G H K H T L P S V E Y V L D L G L G N G K C M A
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UniRef90_J4U6H5	QYMEYPCNQTVDFELQMTNADFNAGEVKERPGWCLGTFYL
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UniRef90_UPI0003F1B5A0 UniRef90_J3PTM2	F <u>PC</u> SQS <u>VK</u> M <u>VF</u> DF <u>GN</u> G <u> </u> ELGVNELDMNLGKVSPESDR <mark>C</mark> VG
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UniRef90_S8F3D6 UniRef90_U1M723	Y Q F P C N A V P Q L A F N W G G K T W N V S A A N F N L G K T S N T S E Y C V R G F E V L S D T G T S L L G G P Q S L T D L L A R A L G G T V G Y G Q C A L A
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	290 300 310
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UniRef90_H0Z7M4	GMDAPTEGELWI LGDVFI REYYVI FDRANNKVGLSR
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UniRef90_A0A014QSH5	ALQR GKTTI FGTPALQAAFVVYDVGNRRLGFAPSA
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UniRef90_H3ETD0	A F N (3 (3 A F (3 F A VVII 1(3 1) F F II K (3 I <mark>(</mark> 2 (3) 1 1) V (3 N K K VI (3 F A 1) 3 K
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UniRef90_W9YT40	GIQSNQGLGFSIYGDVFLKAVFAVFDSDNTQVGFAPKA
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UniRef90_G4TMT8	SEVIGDSSEDLAI LIGDAEMRNYYTI EDYGNSRVGEATLA
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UniRef90_S8F3D6	GADFGVGDNVWLLGDSFMKNVYSVFSFDQNTVGFA
UniRef90_U1M723	LIFP WIS GEVIG WIS WILLIGUPFII K QY CQV H DILIQK QKI KGFALISK



HaiDafoo HDIOOO39C3A6A	50	60	70 80
UniRef90_UPI00038C2A64 UniRef90_A0A016WFG4 UniRef90_F4RUM0 UniRef90_H3EKW9 UniRef90_T1GMS7 UniRef90_E3QS16 UniRef90_M2R7B6 UniRef90_S2J701 UniRef90_S2J701 UniRef90_Q03699 UniRef90_N4V9E1 UniRef90_UPI00029D62A3 UniRef90_UPI00029D62A3 UniRef90_UPI00029A1CD UniRef90_S2JSJ7 UniRef90_S2JSJ7 UniRef90_G2RCL3 UniRef90_G2RCL3 UniRef90_G3KSWBJ7 UniRef90_UPI000328F9FE UniRef90_ISUE2 UniRef90_ISUE2 UniRef90_R1SA5 UniRef90_T1GBF1 UniRef90_T1GBF1 UniRef90_T1GBF1 UniRef90_T1GBF1 UniRef90_UPI00046229C7 UniRef90_UPI000388E575	WV P D K S C Y K R P H R P S E WI K S L M C K K N C G K S S T W V I D A A C T T Q A C K G Y P S S N L V W V F Y S S E K R E S E S H G V Y W V W S S E K R E S E S H G V Y W V W V A C S S C C T N C G S S Q T H P Y W V F A S S C C T N C G S S Q T K S W V M G S S C Q S S C E K H G S W V M G S S C Q S S C E K H G S W V P S S K C C L F H L A C W W W V P G G G G C E V C G Y P K F W V P S S K C C L F H L A C W W W V P G G G G G T V C G Y P K F W V P S S K C C L F H L A C W W W V P G G G G G T V C G Y P K F W V P S S K C C L F H L A C W W W V P S S K C C L F H L A C W W W V P S S K C C L F H L A C W W W V P S S K C C L F H L A C W W W V P S S K C C L F H L A C W W W V P S S K C C L F H L A C W M V P L A C M T T T T T T T T T T T T T T T T T T	VIPSTHCFIW VNPSKSRTAS VDPSKSSTAK VQTKKSINYK PSSQRNGQT KYNPNESSTY SFGSADSDSY KYKASDSWT SKFNPSQSST	ACQNHAKYNHDKS LLSGESWSISYGDGSS ETSGRWDIAYGDGSS PSIDCNSTS PYDAKQSLVIRYGTG VYDPSKSSTASRLTG ARDGRTWSISYGDGS KDLGQNFSVAYGSGS TSKKGGNFSVYGDES FQDMRKTINLSFGSG RTHKSNDSKFALHYG
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UniRef90_C7YZL1 UniRef90_A8X015 UniRef90_C5GE29 UniRef90_A0A016SPN4 UniRef90_UP100020ADB85	WV M G A D C T S K A C A M H N WV P D N T C G L H D Q R S A C WL I S S N C T L E P C K I H N WV I A Q G C A Q P Q C N G Y P	NTFGPDDSDS CQRKNKFFAT NTFGTEDSKS PSSYRPKLKY	LELINKPFNIAYGSG DSSSYEKDGRPFSIS LSISDIPFDVTYGTG RPKVPQGFYMYYHTG
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UniRef90_G1X5X0 UniRef90_J3PC87 UniRef90_Q9XFX3 UniRef90_B2WKI0 UniRef90 UPI0003346BC5	WVFSNLMPKAQQTGHKWMYSSETFVGHMAGQRWVPSSKCINSKACRAHWVYSSLQSSHQVGAHG	R F Y S <mark>P</mark> E K S S T I S M Y E S S D S S	S E R L K N A T W S I L Y G D T Y K E N G T F G A I I Y G T
UniRef90_UP10003455CD3D UniRef90_L9LAl8 UniRef90_L9LAl8 UniRef90_T5AEN7 UniRef90_G5EH06 UniRef90_A0CWF5 UniRef90_A5AAJ6 UniRef90_R016N6 UniRef90_K3XBE0 UniRef90_V5HZV1 UniRef90_U5HZV1 UniRef90_U5HZV1 UniRef90_G2Q6W1 UniRef90_G2Q6W1 UniRef90_E9E142 UniRef90_E9E142 UniRef90_B6Q274 UniRef90_B6Q274 UniRef90_UP100023AD846 UniRef90_UP100023AD846 UniRef90_H3F0C6 UniRef90_T1HPQ4 UniRef90_BNLY9 UniRef90_B8NLY9 UniRef90_B0QVQ13	LVPSSSCSTGCEHKAY ACWFHHKYNSKKSSTY WVQSTDTRYRVNRHGF WVFSSDLSASLRSGHS WLNSARCNDYGCKNHK WYFSSTLCTSCGSKSF WAFSSLQSRSQRGSHAF WVPFSLCAVCGSHNRF WVWSTLCAVCGSHNRF WVWSTLCAVCGSHNRF WVWSTLCAVCGSHNRF WVWSTLCAVCGSHNRF WVWMGSNCTAAAACLQHN WVFSSETPSRQQNGQK WVHCSMFDLACWMHRK WVWSTLCAVCGSKFTQW WVFSFFCPSPAACSTQW WVFSFFCPSPAACSTQW WVFSFFCPSPAACSTQW WVPSFFCPSPAACSTQW WVPSFFCPSPAACSTQW WVPSFFCPSSQLQGQSVFF WVPSFFCPSSQLQGQSVFF WVPSFFCPSSQLQGQSVFF WVPSFFCPSSQLQGQSVFF WVPSFFCPSSQLQGQSVFF	AKNGSSFNHT WPARYSKSLT COMPARYSKSLT COMPARYSKSLT COMPARYSKSLT COMPARYSKSLT COMPARYSKS COMPARYSKS COMPARYSKS COMPARYS COMP	HYRSGSQWWGNMSRG QVDKAAWNIIYADAS SSKQSGTWSIKYGDG EMTSEEWSVGYGTGS KVGKSWQISYGDGSS LQGYSWSISYGDGSS LQGYSWSISYGDGSS LQGYSWSISYGDGSS LQGYSWSISYGDGSS LQGYSWSISYGDGSS ASQDETWKISYGDGSS LSVTDEEWEVSYGTG ARRLSNHTWSIQYGDS RVDKAVWGVQYLDGT HSWHLEYGDGSSVQARRUSKAVWGCSSSVGSS RVDKAVWGDGSSVGSSVGSSVGSS

100 110 120 UniRef90_UPI00038C2A64 UniRef90_DPI00038C2A6 UniRef90_A0A016WFG4 UniRef90_F4RUM0 UniRef90_H3EKW9 UniRef90_T1GMS7 UniRef90_E3QS16 UniRef90_E4MBA6 UniRef90_F1MPA5 UniRef90_S2J701 UniRef90_L2FR36 UniRef90_Q03699 UniRef90_N4V9E1 UniRef90_K5WML5 UniRef90_UPI00029D62A3 UniRef90_UPI000203A1CD UniRef90_S2JSJ7 UniRef90_G2RCL3 UniRef90_K5XBJ7 UniRef90_UPI000328F9FE UniRef90_I3KUE2 UniRef90_R1ESA5 UniRef90_R1XNC2 UniRef90_T1GBF1 UniRef90_F2PMM2 UniRef90_UPI00046229C7 GL F UniRef90_UPI00046229C7
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1300 | 1400 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 1500 | 15 130 140 150 160 UniRef90_UPI00038C2A64 UniRef90_A0A016WFG4 UniRef90_F4RUM0 UniRef90_H3EKW9 UniRef90_T1GMS7 UniRef90_E3QS16 UniRef90_M2R7B6 UniRef90_F1MPA5 UniRef90_S2J701 UniRef90_L2FR36 UniRef90_Q03699 UniRef90_K5WML5 UniRef90_UPI00029D62A3 UniRef90_UPI000203A1CD UniRef90_S2JSJ7 UniRef90_G2RCL3 UniRef90_K5XBJ7 UniRef90_UPI000328F9FE UniRef90_I3KUE2 UniRef90_R1ESA5 UniRef90_G1XNC2 UniRef90_T1GBF1 UniRef90_F2PMM2 UniRef90_UP100046229C7 UniRef90_UPI00046229C7
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UniRef90_S2J701 UniRef90_L2FR36	IDFGGTDPYNYQGLITYYTPVIGDLYWQVQMTEASF GDY YNFGYIDSSAYTGAIITYVSIIDNSDWWQF <u>T</u> S <u>S</u> GYS <u>VG</u> SASF
UniRef90_L2FR36 UniRef90_Q03699	Y I F G G Y D S S K F K G S I T T I P V D N S N G W Y G I T V R G T S I G G S R
UniRef90_N4V9E1	I S F G V C N P D K Y T G D I S Y T A V S D N G D W A P I D G I A Y D G Q K S L Y L G G T D T S L Y T G S L E Y H S I N Q S M G F W Q T T G A K S V V G S T S
UniRef90_K5WML5 UniRef90_UPI00029D62A3	LYLGGTDTSLYTGSI EYHSI NQSMGFWQTTGAKSVVGSTS ASMV <mark>MFGGVNNSYFHGDLKWI PVI QP</mark> RYWQ <u>I M</u> MDRVSMN <u>G</u>
UniRef90 UPI000203A1CD	S F Q L C R I I V D K K P K E K R C W P W K T L S K D D S T Q L
UniRef90_S2JSJ7	Y F Q P L A H N S H I I G N V S Y V S T T K Q T N F K D Y W A V D I D D Y T K T
UniRef90_G2RCL3 UniRef90_K5XBJ7	FNFGYIDPSAYTGNLTYVPVSRNGFWEWT <mark>C</mark> SGYAIGSDSL LFLGGVNNNSFIGEFINIDITQQGFWQIPLDSVNIGGSSA
UniRef90_UPI000328F9FE	II VIIGGSDPTHYIIPPIIITFIVIPIVITIVIPAYWQIIIRMFRIIIQIVIATGTIII
UniRef90_I3KUE2	L V L G G S D P T H Y L P P L T F V P V T V P A Y WOI R ME R L Q V A T G T L V T F G G V D T N H Y S G S I T W P L S N E L Y W Q I T V D S V S G N G Q V V Y N F G Y I D S S A Y T G S I T Y A S I S T Q G W W Q W T S S G Y A V G S A T F Y D F G Y I D S K K Y T G S I K F T P I S T K S G W W E F P S T S Y K V G G T T
UniRef90_R1ESA5 UniRef90_G1XNC2	YNFGYI DSSAYTGSI TYASI STQGWWQWTSSGYAVGSATF YDFGYLDSKKYTGSLKFTPLSTKSGWWEFPSTSYKVGGTT
UniRef90_G1XNG2 UniRef90_T1GBF1	F H K F GIVINII IN NIVIFII I
UniRef90_F2PMM2	T F G D L D K S K F S G E L L Y S N V V P N G Y Q W E L A M D D L T M D G K S
UniRef90_UPI00046229C7	L Y L G G T D S K L Y T G A I E Y H S I D T S T G F W Q L T G A K A L V G S T T V M F G G I D S S Y Y S G N L N W I P L S A E T Y W Q I T M D S I T M N G E T I
UniRef90_UPI000388E575 UniRef90_E9EI07	YNFGYLDDREHDGEI SYTDVDGSQFWGFTASGYAVGNGNL
UniRef90_K5VBU8	IL IF IL IG G T D T S K Y T G S II IE F H D II ID Q S T G F W Q P T S A K S IV V IG S K N
UniRef90_E3KTD8	
UniRef90_A0D285 UniRef90_U6PIP6	EIMNNVE WVRVLRNDY WTVKVLSIEVNGYFIKTGKYKEAL LTL <mark>C</mark> GTDPTRYQGNITWLPLVSETHWTVQLEGISVGADSG
UniRef90_Q76KL4	FDFGYIVIDKSKYTGSILITYADIVIDNSQGFWQFTADSYSIVIGSQS
UniRef90_M1W9M0	VRFG <u>AL</u> NPDKYQGDLTYTAV <u>S</u> KD <u>G</u> DWS Q EDMA <u>Y</u> GGKK <u>A</u>
UniRef90_C5KRI3 UniRef90_Q7KQM4	KGYILITILIGGILIEDREYEGQILITYEKILINHDILIYWQIVIDILIDILIHEGNILI
UniRef90_Q0CLC4	VSFGVVDTTKFSGDITYTTASTSDHWSIPVDDMSVDGKAC
UniRef90_R7VVX2	VSFGVVDTTKFSGDITYTTASTSDHWSIPVDDMSVDGKACVLFGGIDPLFTLTGLKWIPLSAETYWQITMDRVSLDDNVV
UniRef90_K7LVV7 UniRef90_W3WHL5	KCLAIVDSGTSLLAGPTGVIAQINHAIGAVGIVSQECKAL ISFGAVDPSKYTGDITYTTTTDDVSWSIIMDDLTIGGKSS
UniRef90 M4GCQ8	Y D F G T L P R S R Y T G D I A Y V P H S K R G A W N F T A S A W S V G G G K S
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UniRef90_F8P7X6	FT MGFLNDSLYVGNIDYQPILDNLAPYWALPITSLTVQNI YNFGFLDTTEFLGPLHFVDVNSTDGFWKFEATGFSLQNAN
UniRef90_G0SGN4 UniRef90_T0R407	
UniRef90_X8IZX9	LYLGGTNPEKHHGENHYLP RQDNTFWSVEGLASVNSE
UniRef90_UPI0003319563	LYLGGTNPEKHHGELHYLP RQDNTFWSVEGLASVNSE VMFGGLDSSYYTGSLNWVPLSSETYWQLTVDSLTMNGESL FGSPNTDKYSGKLTYTSLPDGKDNDWALKMDDMGYNGKGA FTYGGEDPDHCGELITWLPLTRASYWQFRMQAVGVDSVHE
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UniRef90_C5GE29	
UniRef90_A0A016SPN4	I VYGAL DPTHCAAQINWVPLSRAQYWQFPIQRFQLG QFIVIFGGIDSSYYSGSLNWVPVTVEGYWQITVDSITMNGETILFIGGTNKDLYSGDIEYHDLSSDDGFWQIGGASVSVNGKTLTLGAIDPSYYTGSLHWVPVTVQQYWQFTVDSVTLSGVVV
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UniRef90_Q28075	LTLGADPSYYTGSL <mark>H</mark> WVPVTVQQYWQFTVDSVTUSGVVV
UniRef90_A0DQV3	II IS H S E F TILIG G Y N P A HIVID G DII IH Y H KIV I ID K Y Y W MII IK A D NII L VI
UniRef90_W3XD31 UniRef90_UPI000441103C	YDFGKTDSSKYTGSIAYTSVSTSQGFWQFSASSYKVGTTS
UniRef90_Q4WNV0	FTLGGIDNSLFTGEIDYVSLVSPAFWTLPIRSLTVNGADVANFGDLDTTRFTGDIVYTNTTGDSNNWRIPLDDASVNGTPYDVGYIDRQKYTGELNYLPVNKTDFWSIEVAGYQVGNGPK
UniRef90_C4JN46	Y DIVIG Y II D R Q K Y T G E IL IN Y IL PIVIN K T D F WSII E VIA G Y QIVIG N G P K
UniRef90_V9D4W2 UniRef90_K5WLU6	I F G G G D T S G Y T G S V F F H S G D T S S G F W Q P T G A K S V V G S K N
UniRef90_R0HUH3	ŢŢĒĠĠŸŇQĔĦŦĸĔĔĦŢŸŴ₽ŸŢŢĸĎŦŴĸŬĸŨĸŨŇŚĹŦŨĠQ
UniRef90_X8JJK4	LITI GGMNTAAFTGQLAFSPVLTTQGQPPTSWTLRMGQKPV
UniRef90_Q6CAK4 UniRef90_Q0V2F9	Y D V G Y I D R Q K Y T G E L N Y L P V N K T D F W S I E V A G Y Q V G N G P K I T F G G V D S S K F V G K L S Y A K T I N S D S W Q I S A D D A G V D G K A V L F L G G T D T S L Y T G S V E F H S I D T S S G F W Q P T G A K S V V G S K N I T F G G Y N Q E H F K E E H T Y V P V I T K P Y K D F W K I K L N S I F I G Q L T I G G M N T A A F T G Q L A F S P V L T T Q G Q P P T S W T I R M G Q K P V L V L G D Y D H A A V D G D I S W A D V Q S G T A L W K V S V D G A Y V G G N Q I L F G G V D T D K F H G T L Q T L P I P E R G E Y T G M G Q N G Q N T S I F F D F G Y I D E S I P S D N I T W L K S R F D S P H W D I D T S W A D K H P V W I V F G G F D E T K F E G K L H Y V P V S Q W R T W S L E I T K T S V A T K Q V Y D F G I I D N K K F T G Q I Q Y T P I D N S N G F W E F N A N S Y T I G N T T Y R F G K V D K E D Y V G D H T Y V P V T Y Q Y Y W O F G I G D I G D K S T G F
UniRef90_M1W4T9	FDFGYLDESLPSDNITWLKSRFDSPHWDLDTSWADKHPVW
UniRef90_B4PU80 UniRef90_G1X5X0	UVFGGFDEIKFEGKL <mark>H</mark> YVPVSQWRTWSLEITKTSVATKQV VDEGLIDNKKETGOLOVTDLDNSNGEWEENANSVTLONTT
UniRef90_GTX5X0	Y R F G K V D K E D Y V G DI K WM N K T S K Y W Q F D L N G I H V G D D P N W
UniRef90_Q9XFX3	LVFGGLDPNHFRGDHTYVPVTYQYYWQFGIGDIGDKSTGF YDFGFLDSSKYTGPLTYVPVDNSRHWGFLSTGYSIGTGDN
UniRef90_B2WKI0	Y D F G F II D S S K Y T G P II T Y V P IV D N S R H W G F II S T G Y S II G T G D N
UniRef90_UPI0003346BC5 UniRef90_UPI000455CD3D	LMLGGTDPKFFTGPMMYHNVTRKAYWQIHMDQLEVGSGLT LSLGGVNASIYTGDATYVPVVGDSFWEVTSDAIRGSOIFV
UniRef90_L9LAI8	LMLG GVOTKYYTĞ SCOYYNVTRKAY WQI HMDKLE VĞ DĞLT
UniRef90_T5AEN7	FDFGHLDESLASDNITWLBANPHWSVDLELTSWTGNETVW
UniRef90_G5EH06 UniRef90_A0CWF5	IT LIGGWNQEHFWGDLHFHNVANKYYWFAFNI I VNGKDWGI
UniRef90_A5AAJ6	VSFGTTDKDKYTGDITYTDTVGSDSYWRIPVDDVYVGGTS
UniRef90_P81214	Y W F G G Y N T D H L D G S L T T V K V D N S Q G W Y G V T V S G L K V G S K S
UniRef90_R0I6N6 UniRef90_K3XBE0	L ML GGT D P K F F T G P M M Y H N V T R K A Y WQI H M D Q L E V G S GL T L S L GG V N A S I Y T G D A T Y V P V V G D S F WE V T S D A I R G S Q I F V L M L G G V D T K Y Y T G S L D Y Y N V T R K A Y WQI H M D K L E V G D G L T F D F G H I D E S L A S D N I T W L P A N P H W S V D L E L T S W T G N E T V W Y D F G F A N T N S Y T G S I A Y V P V D S S Q G F W S F T A S G Y S I G S S S L T L G G W N Q E H F V G D L H F H N V A N K Y Y W E A E N I L V N G K D V G I V S F G T T D K D K Y T G D I T Y T D T V G S D S Y W R I P V D D V Y V G G S K S Y V F G G Y N T D H I D G S L T T V V K V D N S Q G W Y G V T V S G L K V G S K S Y D F G F I D S S K Y T G S I T Y V N A D N S Q G F W A F S A S G Y S V G N S N L S V V G K N A S F H Y T P V V K L P E F D A Y M Y W T I K M N H F S N N S D D S W R D K N D P D K G E S F Y T Y T P V D N S Q F W Q F D S T S A T V N G K T I L T F G D I D K S K F T G D I T Y T D V I K S T N R W E I P V S D A I V G G K S Y N F G F I D D E T E F V G P L S F I D V D S T D G F W Q F D P S G N I T G T P F L L L G G T D P K Y Y T G D F H Y L N V T R K A Y W Q I H M D Q L G V G D Q T L
UniRef90_V5HZV1	<u>S</u> WRDK <u>N</u> DPDKGESF <u>Y</u> TYTPV <u>D</u> NSQFWQFDSTSATVNGKT
UniRef90_J3KDA9	LITEGDIDKSKETGDITYTDV KSTNRWELPVSDAI VGGKR
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UniRef90_E9E142	F D F G Y I N E S M A A D N T W L P D S P H W D I E L D L T A W R G K N P M W
UniRef90_B6Q274	YDFGFI DPSKYEGNI TYTPVSSHGYWNI TVDGFSTGSAPS
UniRef90_UPI00023AD846 UniRef90_M2ZHG1	LLGGTDPKYYTGDFHYLNVTRKAYWQIHMDQLGVGDQTL FDFGYINESMAADNITWLPDSPHWDIELDLTAWRGKNPMW YDFGFIDPSKYEGNITYTPVSSHGYWNITVDGFSIGSAPS VMFGGVYKSYYQGVLNWVPLIHTGDWSVHMECISMKRKVI YEFGKIDQSKYSGHLHYTPVDNSDGFWSYKIGNNSSSIK
UniRef90_M2ZHG1	1 1 1 A
UniRef90_T1HPQ4	I F G G S D P E K Y V G D F T Y V P V N K Q G Y W Q F S M D S V I A N G K T F
UniRef90_B8NLY9	I I F G G S D P E K Y V G D F T Y V P V N K Q G Y W Q F S M D S V I A N G K T F Y D F G F I D K S K F T G E L A Y A D V D D S Q F W Q F T A D G Y S V G K G D A L I L G G S D S G L Y S G C L T Y V P V S S A G Y W Q F T M T S A N L N G F Q
UniRef90_Q9VQ13	<u>LIL</u> GGSDSG <u>L</u> IYSG <mark>U</mark> L IY V PV SSAGYWQFIMISANLIN GFQ

UniRef90 UPI00038C2A64	210 220 230 240 CSEGCQAIVDTGTSLLTGPSHKIKELQEAIGATPMDGEYA
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UniRef90_F4RUM0	PITSTTAII DSGTTYI AAPSDQAKAFWDTI PNSSTDGFYT SNTKEEVI SDTGTSWI GAPAAAVSGI VKVTGAKFDWFNQL
UniRef90_H3EKW9	SNTKEEVISDTGTSWIGAPAAAVSGIVKVTGAKFDWFNQL
UniRef90_T1GMS7 UniRef90_E3QS16	LCETCEALADSGTTLVAGPESAVDALNNALGA DEYGNL TKKSYEGLADTGTTLLLLPDSIVKAYYKQISGAKYDSSQY
UniRef90_M2R7B6	K R E D N V T L D T G T T L C L V D D D V E S Y G S E G A R Y D D E Q G
UniRef90_F1MPA5	CSEGCAAIL VIDTGSSNII IQGPGRIL I IDNII IQRII I IGATPRGSKYY
UniRef90_S2J701 UniRef90_L2FR36	ALASHYLI MDTGTTLLLVSPKEAEMMHQQI PGSRYNNDGT TSTSLNGI ADTGTTLLLLPQSVVTAYYAKI SGAKYDSSQY
UniRef90_Q03699	VSSSF <u>D</u> ALLDTGTSLL <u>VLP</u> ND <u>VA</u> SS <u>V</u> AEA <u>Y</u> GASDNYDGTF
UniRef90_N4V9E1	GAAGKII IAYII IDTGTSYIVIFGPQADII IAAFHANII IPGSSTTDNAT
UniRef90_K5WML5 UniRef90_UPI00029D62A3	PNTNLETI I DSGTTIMYGPPSAI KTFYAAVSGSEVVNATF
UniRef90_UPI00029D62A3	KVIACQAI VDTGSSLLTGSTDVVSSIQRRINPSPLGDSEQCKDGCQGIVDTGTSLITGPSADIRALHEAIGASHAFGGQVYDKKVVGMVDTGSTLVFLPREIISSVFKGVKGLRRDFSGQKNTTFQGIADTGTTLLLLLPSSVVSAYYGQVSGAKYDPSQG
UniRef90_S2JSJ7	Y D K K V V G M V D T G S T L V F L P R E I I S S V F K G V K G L R R D F S G Q
UniRef90_G2RCL3 UniRef90_K5XBJ7	VQNVQAAI DTGTTLLLLIPSSVVSAYYGQVSGAKYDPSQG VQNVQAAI DTGTTLIVAPQQEAIQLYLAIPGANVIGPGF
UniRef90_UPI000328F9FE	VQNVQAAI DTGTTLIVAPQQEAIQIYLAIPGANVIGPGFCARGCAAILDTGTSLITGPREEIRALHVAIGGLPLLAGEYCNGGCQAIVDTGTSLIVGPQGDIDNINYWLGASSQNEYMVKSTSINGIADTGTTLLLLPDSVVSAYYAKVSGSSYSSSQGYSNPSTGLADTGTTLLLLVSSGAAKAYYKTISGAQANSYIL
UniRef90_I3KUE2	CNGGCQAI VDTGTSL I VGPQGDI DNLNYWLGASSQNEYMV
UniRef90_R1ESA5	KSTSINGI ADTGTTLLLIPDSVVSAYYAKVSGSSYSSSQG
UniRef90_G1XNC2 UniRef90_T1GBF1	L. K (3 (3 L. A MIV II) (3 A P WII V I(3 P I) S E II R A II IY K A II II) A
UniRef90_F2PMM2	LNKGRTGII DTGTSFLILPPADADLIHSII PHADKGSGFY
UniRef90_UPI00046229C7 UniRef90_UPI000388E575	ANSGFETII DSGTTI MYGPPSAVKTFYSKVSGSYDSSEGY
UniRef90_UPI000388E575	A C S G G C Q I L D T G T S L L A G P S T G I S N I E S Y I G A S D G T Q S A E L Q G I A D T G T T L L L L D D S L V D D Y Y S Q V Q G A Q N D R Q M Y
UniRef90_K5VBU8	QSAEIQGI ADTGTTL L L I DDSI VDDYYSQVQGAQNDRQMYPNTDFETVI DSGTTI MYGPPSAVKTFYAAVSGSRLYDSEYEKYSTAAI I DSGTTYI AAPAEQARI FWENIPNSQTKSFYT
UniRef90_E3KTD8 UniRef90_A0D285	<u>E K Y S T A A D S G T T Y A A P A E Q A R F WE N P N S Q T K S F Y T D S G T S L L Y L P Q K V V L S F E E L L S N C R L L D G N M F C P C S </u>
UniRef90_U6PIP6	IDSGTSELYEPOKVVLSEFEEETLSNCRELDGNMFCPCSEDTLRIPGNFSSIDSGTANIVGPSKYLEKLINHIGVGSEGVGSKSIVGEADTGTTLLLLPDDVVEAYYKQVEGAENDSQAG
UniRef90_Q76KL4	GSKSI VGIADTGTTLLLLPDDVVEAYYKQVEGAENDSQAG
UniRef90_M1W9M0 UniRef90_C5KRI3	GNGGILPAYI DIGISHVFGPADKVKKLHAVIAGSSSGDGMT
UniRef90_Q7KQM4	GNGI PAYI DTGTSEVEGPADKVKKLHAVI AGSSSGDGMT MISNQQAALDTGTSYI TVPRNI FLPLLTAL LPHEVLMTCC TVEKATAI VDSGTSSLTAPTEFLNKEFEGLDVVKLPFLPL GFSNKSAI I DTGTSYALLPPDDAKTLHNLI PGATPSGENE CDHTCQAI VDTGTSLI AMPNKAFEATMSNLGA DSE
UniRef90_Q0CLC4	GFSNKSAI I DTGTSYALLPPDDAKTLHNLI PGATPSGENF
UniRef90_R7VVX2 UniRef90_K7LVV7	VAQYGKTLLDKLINEALPQQI <mark>C</mark> SQIGL <mark>C</mark> TFDGTQGVSIGI
UniRef90_K7LVV7 UniRef90_W3WHL5	GNSGKTAYI DTGTTYAFGPPDDVAAVYKLIPDSKSDDGVT
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UniRef90_F8P7X6 UniRef90_G0SGN4	QTDIYAAI DTGTSLIYVPSAFAENLYNLIPGAKQSEQFIPTGSAYGAIDTGTSLVVGPSAQIQAIYAQIPGSQPCVEGFSTDNHTAIADTGTTLLLLIPSALTQAYYWQVANATDSPMGW
UniRef90_T0R407	CAPECEAL VIDIGISH I ISH PGIQEDDIV VIA HI HAGII NCD GIVIM
UniRef90_X8IZX9	VRYKGKMVLDSGLPTI I GPIDSVKLWWDMVPGARSCKPEI ACNGGCQLVDTGTSLLSGPTKAI ANIQSYI GASQNSQGEM
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UniRef90_A8X015	NIAGWEVISDIGISFII GGPGKVIEKI AEKYGAEYDEFNES
UniRef90_C5GE29 UniRef90_A0A016SPN4	N F Q G K N G F D T G T S Y L
UniRef90_UPI00020ADB85	A CEGCQAIVDTGTSFIGAPMGVLNGITQMTGAKTSAKNQI
UniRef90_UPI00044109AA	EASNFETVI DSGSTLITAPTSAAKKFWSAVSGSKVYDSSQ
UniRef90_Q28075 UniRef90_A0DQV3	A C E G G C Q A I L D T G T S K L V G P S S D I L N I Q Q A I G A T Q N Q Y D E N N K D I G L C N R S C R L I V D T G S S I M S A P F D D L G T L L R E N V R S
UniRef90_W3XD31	YSTSILINGII ADTGTTILLLPATIVVIKNYYAKIVITGSSNSNTYG
UniRef90_UPI000441103C	PMNSQFGAIDTGTTLIGAPSAIVQQIYSQIGGAPGTGQLN CRFNKTAVIDTGTSYAMLPPKDATVLHNLIPGAVTTSHGQ LHLSFEGTADTGTTLALLPEQVVRAYYSQVPNAKLHNGRL
UniRef90_Q4WNV0 UniRef90_C4JN46	UK FINK I AIVI DI GISYA MILIPPK DA I IVLIH NILIPGAIVII I SHGQ I HILISFE GTA DTGTTILAIL LIPE QIVVRA YYS QIVIPN A KII HN G RII
UniRef90_V9D4W2	GFQGKTALIDTGTSYLLMPPNDADALHQLIPGSSHNGERY
UniRef90_K5WLU6	GFQGKTAIIDTGTSYILMPPNDADALHQLIPGSSHNGERY PNTDFETVIDSGTTIMYGPPSAVKTFYAAVSGSYDSEEGY NPTKHCVKPCTAIIDSGMTDTLGPKNINEINLAIGAFDNG
UniRef90_R0HUH3 UniRef90_X8JJK4	QTTSQFATIDTGTSVVIAPQADAQAIIYAAIIPGSRLIGONGI
UniRef90_Q6CAK4	VDFGRNAL VDTGTTL L VMPPEDAMKFHGYLPNSQTDGKNY
UniRef90_Q0V2F9 UniRef90_M1W4T9	ANQNIVIPIV LIDSGSSILMYILIPDAIVARQILIYQKYNARFDQAQGA
UniRef90_B4PU80	GGKSNA ILDIGTSLVLVPQQTYQNLLNALSAKLQNGYSV
UniRef90_G1X5X0	QTTSQFATIDTGTSVVIAPQADAQALYAAIPGSRLGQNGLVDFGRNAIVDTGTSLVLVMPPEDAMKFHGYIPNSQTDGKNYANQNVPVLLDSGSSLMYLPDAVARQLYQKYNARFDQAQGAMYLPFQATLDTGTSLWFLPDALASRYWHSIPGVRGNSTLSGKSNAILDTGTSLVLVPQQTYQNLLNALSAKLQNGYSVRKDSATAIADTGTTLLVSNKIAKEYYATVKGSKLDEQQYYFATWPMLDTGTTLLLVSNKIAKEYYATVKGSKLDEQQYYFATWPMLDTGTTLLLSGPTAIVTQINHAIGANGVMNQQCAPGCAFADSGTSLLSGPTAIVTQINHAIGANGVMNQQCCKGGCFALVDTGTSLVVGPVDFVTFIQKAL
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UniRef90_B2WKI0	IN WKIDAI LDTATTL VELDTNI VEKYYSQI GGRFSRSSGG
UniRef90_UPI0003346BC5	CKGGCEAL VDTGTSLVVGPVDEVTELQKAL GALPLIQGE
UniRef90_UPI000455CD3D UniRef90_L9LAI8	A G N L S A L L L D S G S A V L V G P L D D V A K F Y E L E D G A S P Q L G E G L C O E G C E V L V D T G T S L L V G P V D E V R E L H K A M G A V P L L O G E
UniRef90_T5AEN7	LYHKEEAI VDTGTSLMEIPDLLASMYWDQVPGVQTAPHAS
UniRef90_G5EH06	SRTQLTGIADTGTTLLLLPPSVVNAYYKQVRGAVNDNSGF
UniRef90_A0CWF5 UniRef90_A5AAJ6	CDESNKSI I DTGTSYAMI PSSDSKTI HSL I PGAKSGGSVH
UniRef90_P81214	VASSFDGI LDTGTTL LTFDQATGSKVAAAYGAKDNGDGT
UniRef90_R0I6N6	TRSSISGILDTGTTLTLVDDSIVSAYYSQVSGAQFDNSQG
UniRef90_K3XBE0 UniRef90_V5HZV1	A I NILIOUPY OY AIL VID I G I SIL I SIVIPE G MY S QIV M Q I I I S D G L N C T R S G N K A I A D T G T T I AIL VID D D T V K A II Y D A II P G A S Y D O F S O
UniRef90_J3KDA9	VN F T K K S V I D T G T S F I L V P M K D A E A M H A L I P G S N K G D Q Y F
UniRef90_G2Q6W1	RAVAHTAI ADTGTTL L L L P P. G L A Q A Y Y WQ Y Q G A R Q A P E V W
UniRef90_Q804Z9 UniRef90_E9E142	WYHKEQATVDIGISLIII GPVEEVAALQRAII GAII PLIRGE
UniRef90_B6Q274	UYPFYALVDTGCSLLLLDQYLVEMYYASIRSAYFSYDMG
UniRef90_UPI00023AD846	ACSGGCEPFVDTETSLLLGPRRLVNNLQKLLSAMPGGSEH
UniRef90_M2ZHG1 UniRef90_H3F0C6	CAPGON AFADSGISLLSGPIAIVIQINHAIIGANGVMNQQCINWKIDAIILDTATTLVFLDTNIVEKYYSQIGGRFSRSSGGCKGGCEAIVDTGTSLVVGPVDEVTELQKAI GALPLIQGEAGNISAIIDSGSAVIVGPTDDVAKFYELEDGASPQLGEGLCQEGCEVIVDTGTSLIVGPVDEVRELHKAM GAVPLIQGELYHKFEAIVDTGTSLIVGPVDEVRELHKAM GAVPLIQGELYHKFEAIVDTGTSLIVGPVDEVRELHKAM GAVPLIQGELYHKFEAIVDTGTSLIVGPVDEVRELHKAM GAVPLIQGELYHKFEAIVDTGTSLIVGPVDEVRELHKAM GAVPLIQGELYHKFEAIVDTGTSLIVGPVDEVRELHKAM GAVPLIQGELYHKFEAIVDTGTSLIVGPSDDLYDVIDALN DECTOPSNKSIIDTGTSLITGPSDDLYDVIDALN DECTOPSNKSIIDTGTSLITGPSDDLYDVIDALN DECTOPSNKSIIDTGTSLITGPSDDLYDVIDALN DECTOPSNKSIIDTGTSLITGPSDDLYDVIDALN DECTOPSNKSIIDTGTTLLLIFDQATGSKVAAAVGAKDNGDGTTTRSSISGILDTGTTLILLIFDQATGSKVAAAVGAKDNGDGTTTRSSISGILDTGTTLILVDDSIVSAVAQVSGAQFDNSQGATNLCDPYCYAIVDTGTSLISVPEGMYSQVMQTISDGLNCTRSGNKAIADTGTTLALVDDDTTVKAIYDAIPGASYDQESQVNFTKKSVIDTGTSLILVPMKDAEAMHALIPGSNKGDQYFRAAVAHTAIIADTGTTLALVDDDTTVKAIYDAIPGASYDQGARQAPEVWCKGGCEAIVDTGTSLITGPVEEVAAALQRAIGARAPGGSEHMYHKFQATVDTGTSLITGPVEEVAAALQRAIGARAIGAAPEVWCKGGCEAIVDTGTSLITGPVEEVAAALQRAIGARAIGAAPEVWCKGGCEAAIVDTGTSLITGPVEEVAAALQRAAIGARAIGAAPEVWCKGGCEAAIVDTGTSLITGPVEEVAAALQRAAIGARAIGAAPEVWCKGGCEAAIVDTGTSLITGPPRAALVNNYAASIRSAYFSYDMGACSGCCPPFVDTETSLILGPRRRLYNNYASIRSAYFSYDMGACSGCCPPFVDTETSLILGPRRRLYNNYAASIRSAYFSYDMGACSGCCPPFVDTETSLILGPRRRLYNNYAASIRSAYFSYDMGACSGCCPPFVDTETSLILGPRRRLYNNYAASIRSAYFSYDMGACSGCCPPFVDTETSLILGPRRRLYNNYAASIRSAYFSYDMGACSGCCPPFVDTETSLILGPRRRLYNNYAASIRSAYFSYDMGACSGCCAAIADTGTSLIAGPTEDINAALNKLLGGTQCKGGCQAIADTGTSLIAGPTEDINAALNKLLGGTQCKGGCQAIADTGTSLIAGPTEDINAALNKLLGGTQCKGGCAANAAAGGCCCAANAAAAAAAAAAAAAAAAAAAAA
UniRef90_H3F0C6 UniRef90_T1HPQ4	CKGGCQAIADTGTSLIAGPTEDIINALNKLLGGT
UniRef90_B8NLY9	QKĀPĪTGI ADTGTTLVMĪDDĒTVDAŸYKQVQGAKNDASAG
UniRef90 Q9VQ13	

	250 260 270 280
UniRef90_UPI00038C2A64 UniRef90_A0A016WFG4	VNCNLNMMPNVAFLTNGVSYTLSPNAYI LQDLVDGMFCGS YFIGCDTPAAVNFTLGTKQYTVGAENLI LKVK EDLCI L
UniRef90_F4RUM0	FPCGQSVRMTFDFGNGLELLVNDLDMNLGKVSPGSSRCVG YTVPCGNYPDMLFTIGGKNYNVPSTEYVLDLSLGKGNCLF
UniRef90_H3EKW9 UniRef90_T1GMS7	D C S T II IS S IL IP S IV ID F IV T IG G T T F T IL IN G E D Y IV IQ T E IV IQ D G T Y C Y S
UniRef90_E3QS16 UniRef90_M2R7B6	VEPCAATPPSETEGIVIGSARII ITIVI PGSYMNEEAIVISSSS <mark>C</mark> YG
UniRef90_F1MPA5	
UniRef90_S2J701 UniRef90_L2FR36	YSLPCHLKGALPHIEGRKLVVSSNDYVLLPSDGDSSMCLS TFPCSATVPSFTFGVGSARVTI PASYMNYAPVSTSTCFG
UniRef90_Q03699	S ILIS CDTSSFFPILVIFTII IGSSTFFIVIPADSILVIYFQDGYS <mark>C</mark> ILIA
UniRef90_N4V9E1 UniRef90_K5WML5	Y S Y P C N S P P A V G F S W G N K T W Q I S S D N F N L G Q V N N G S S Q C V
UniRef90_UPI00029D62A3 UniRef90_UPI000203A1CD	MMSCNGATNLPPVIFTIHGTDFPVSPKYYIQKIPKSLRFS SQSGVSTCIS
UniRef90_S2JSJ7	Y V C D N P D N T M N G K N Y S T P E N Y V K G T F S T E N C Y T
UniRef90_G2RCL3 UniRef90_K5XBJ7	GYTLPCSGSAPDFSFGVGNNVPGGYVKYAPTESGSQT <mark>C</mark> FG <u>FTFPCNS</u> DPQISLTFGGKAFAIPTNTF <u>NLG</u> QFQGSE <u>DC</u> VG
UniRef90_UPI000328F9FE	
UniRef90_I3KUE2 UniRef90_R1ESA5	SCNNIGQMPDVIFNINGQQFTLPASAYISPNFSTYSLNFI GFPCSATLPSFTFGVGSARITI PGTYMNYAPVTSSSCYG
UniRef90_G1XNC2 UniRef90_T1GBF1	GFPCSATLPSFTFGVGSARITI PGTYMNYAPVTSSSCYGPCAKSSSLPAFYFSVGSNLASVSGANVIYGSTIGGVSYCFDCRFLDQLPTITFTIHGTIFPIEPYWYINLTEDIDGKPIC
UniRef90_F2PMM2	T II IP C S T K IV IDII IKII ISII IG GIV IF Y TII IQ P D D Y II IG N F T A T K G T C N S
UniRef90_UPI00046229C7 UniRef90_UPI000388E575	Ý S F P C S S P P S V S F S W G G K S W T I S A D N F S L G E T S T G S G K C V
UniRef90_E9EI07 UniRef90_K5VBU8	ISCSAMSSLPNIVFNINGIEFPVPASAYITDNSGSCSPVFDCSSELPDFSFGVGQAKITIPGIINYAPTQEGGSTCYGYSYPCNSPLTVGFNWGGKTWDVTSANFNLGRTHQGSSQCV
UniRef90_E3KTD8	FPCSQS V K M V FDFGNG L F L G V NF L D L N L GK V SPGSDR <mark>C</mark> V G
UniRef90_A0D285 UniRef90_U6PIP6	PKSEVDNYPKI KVFLEGI I LELDIT DYMI LDFSFQGL <mark>C</mark> YI DCSEVSHYPEI I ETI DEHEFTI EGKOYEVEKPDGI CHLAF
UniRef90_Q76KL4	G Y IV IF P C D S QIL IP S F T A IV I IN G Y S A IV V IP II IN Y A S A G D G S N N C IL IG
UniRef90_M1W9M0 UniRef90_C5KRI3	PCGAONSAGSMIVIIIIOGMBVTIVIT PTDVETII IDT PONE CMILL
UniRef90_Q7KQM4 UniRef90_Q0CLC4	YITTCNNPPTLEFRSATNVYTLEPEYYLQQLFDFGLCMVS LIPCDSSAVVNVTFSGVSYTLSPKDYLGAKVDNGCLSTI GYLSCDSVSSLPDLVFHLNGHRFPVPPRAYVLESQGSCSL
UniRef90_R7VVX2	GYISCDSVSSLPDLVFHINGHRFPVPPRAYVIESQGSCSL
UniRef90_K7LVV7 UniRef90_W3WHL5	QSVLCDEMPNVSFTLGGEVFELSPEQYIKVGKGATAQCIS YTFPCDTTAQLAFTFSGTSFAVSAKDFIGASGSDNQCTGT VIFPCSATPPDFSFKVGSNTLTLPGSYVNYTAVSSTKCFG
UniRef90_M4GCQ8	VIFPCSATPPDFSFKVGSNTITIPGSYVNYTAVSSTKCFG
UniRef90_UPI0004407C74 UniRef90_F8P7X6	YTFPCSTDLEISLNFGGTNFAINTRDFLGKTSSNSTDCVG YSYPCDTQVNVSISFGGPSWFINSSDFYAYIDSNGSSCLG VFPCGTYLPDLTLHIGTYKAVIPGELMVFAPVDTDDTCYG
UniRef90_G0SGN4 UniRef90_T0R407	VFPCGTYLPDLTLHIGTYKAVIPGELMVFAPVDTDDTCYG CYDVALASFPALRFGMAPDNVFELQPNDYVACMDNGACRL
UniRef90_X8IZX9	CGFPCDNAPSFSFTFNEREFTFAPEE LIL DR L QSHPGDC V
UniRef90_UPI0003319563 UniRef90_C7YZL1	Y KIVIP C D S K G NIL ITIVIT E S GIVID YIV LIS P K D WIVIS P P N K D G E C T S N
UniRef90_A8X015 UniRef90_C5GE29	V E
UniRef90_A0A016SPN4	Y V V P C T T M F R Q P F T I N G N Q Y V I P S S Q Y V L D L K L G N G Y C F F
UniRef90_UPI00020ADB85 UniRef90_UPI00044109AA	V VS CS A ISS L P D V F T IN G V Q Y P V P P S A Y I L Q S E G S C I S Y S Y P C D S A P E V S F S W G G K D W A I S A D N L L G E T E S G S G E C V G
UniRef90_Q28075	F D D <mark>C</mark> D N L S <u>Y M P</u> T V V F E I N G K I Y P L T P <u>S</u> A Y T G Q D Q G F <mark>C T</mark> T
UniRef90_A0DQV3 UniRef90_W3XD31	HCHEINTLPIITFQIDSVDYTLEPNEYIKPTNFNNWD <mark>C</mark> IA GYVFP <mark>C</mark> TATL <u>PTF</u> TYTVGSVSIVTYLNYA <u>P</u> VE <u>D</u> GSST <mark>C</mark> YG
UniRef90_UPI000441103C UniRef90_Q4WNV0	GLWTFDCTSDVIIEMNFGSQTWRIDPDFAVQQVSRTQCIGNFTPCNSTAVVQVSFSGLSYNISPKDYVGPAYGSACLSTLWYFPCNTSLPMINEHYTATLPGHYLRYKNPTPRLNNDCFG
UniRef90_C4JN46	WY F P C N T S L P M I N E H Y T A T L P G H Y L R Y K N P T P R L N N D C F G
UniRef90_V9D4W2 UniRef90_K5WLU6	V VPCSASANVYFTISGIKYSVSPKDYVGKQSGSGCQSNI YSYPCNSPPTVGFSWGGKTWDVTSANFNLGETESGSSECV GIVQCSAVATLPLITFTIGGKNFPLTPNEYIAEDEGVCFT
UniRef90_R0HUH3 UniRef90_X8JJK4	GIVQCSAVATLPLITFTIGGKNFPLTPNEYIAEDEGVCFT
UniRef90_Q6CAK4	FSYPCGAKPDIALSFAGQNFNIKAADLSLGTDATNTTCTGA IPCDSTVSIELEVAGTKWAISPKDYIGFKYTDGSGLCA
UniRef90_Q0V2F9 UniRef90_M1W4T9	AYVDCDQQGSLDFVFSGVHISVPLNELVVVVSRGQPICLL YKFPCAQASTLPDLMFKLPGTEHPYLNYGTIDSEPGYCWG
UniRef90_B4PU80 UniRef90_G1X5X0	YKFPCAQASTLPDLMFKLPGTEHPYLNYGTIDSEPGYCWG VTCRSEPLPNINILIGDMVFPLTPSNYLMEVILDRKPVCV TIPCNAQLPDITLAVGSKKATVPGSLINYAPLEEGSKTCF
UniRef90_J3PC87	Y S F P C N Q S G A L P D WE F D L A G L R V P G R Y F N Y Q N L S A T E C Y G
UniRef90_Q9XFX3 UniRef90_B2WKI0	FVFSCEETPPDFAIIVGGVKQNIPGAYINYAPLGNGK <mark>C</mark> FG
UniRef90_UPI0003346BC5	YMIPCEKVPSLPLKLGGQQYTLSSNDYLKVSQGGKTICLS
UniRef90_UPI000455CD3D UniRef90_L9LAI8	YMIPCEKVPSLPLKLGGQQYTLSSNDYLKVSQGGKTICLS YTVECDKTPSLSFGGRPFYVSTETFSLGYVPGTNNTLCVG YMLPCEKVASLPQITLNKDYHLKGEEYTLKVSQGGKPFMG
UniRef90_T5AEN7 UniRef90_G5EH06	YRFPCALISDKLIPDIVLIFKLIPGTEHRYLINYGPTGQDPTMCWG VIFDCNANLIPTFSFNVGSNTITTIPGIIMNFAPVGDGSNNCFG
UniRef90_A0CWF5	Y R F P C A I S D K L P D V L F K L P G T E H R Y L N Y G P T G Q D P T M C W G V F D C N A N L P T F S F N V G S N T L T I P G L M N F A P V G D G S N N C F G N C K N V K E L P T L T F V L D G I H Y D L D A H D Y I M K L D S Y G C E C V G L P C N T T T K L Q V A F S G V N Y T L S P K D Y V G A T S G S G C V S N L Y T L S C D Q S K L Q P L A L T M G G K D F F V P A D S L I Y V K Q G S Q C L A
UniRef90_A5AAJ6 UniRef90_P81214	YTUS <mark>C</mark> DQS <u>KLQPLALT</u> MG <u>G</u> KDF <u>FV</u> PAD <u>SLI</u> YVKQGSQ <mark>C</mark> IA
UniRef90_R0I6N6 UniRef90_K3XBE0	YTFP <mark>C</mark> SASLPTFSITVGGVKQTVPGKYINYAPASGNS <mark>C</mark> FG
UniRef90_V5HZV1	NDVDCEDVDVKQF PVLRFGMEPDNVFLLQPEDYVMCYG GYIYPSNTPTVTFAVGDKQFTVQKED LGFAEAKSGYVYG T IPCDTNLSLEIEISGARWTVSPKDYVGSRNGDSCNSYI VMPCNASMPDLTLHIGTYKAVIPGELIPYAPVDTDDMCYG YMLLCDNIPSLPVISFTFGGRVYSLTGTDAKYQGGRRCSG
UniRef90_J3KDA9 UniRef90_G2Q6W1	
UniRef90_Q804Z9 UniRef90_E9E142	YMILCONIPSLPVISFTFGGRVYSLTGTDAKYQGGRRCSG YKFPCEGAQDLPDLLFKLPKTEHPYLNYGPLDTEPSLCWG
UniRef90_B6Q274	GWAFDCRFNII IPPFSII INII IGSHII IGII I IPGFYII IKYKAII IGTII ICYG
UniRef90_UPI00023AD846 UniRef90_M2ZHG1	Y Î S C F A VN T L P S Î Î F T Î N G Î N Y P V P A Q A Y Î F K D Y R G H C Y T A A P C D T A M P D L G L Q L G D H W Y A T D M F Y M Q S P Y A G R E H M C W G
UniRef90_H3F0C6	Y I I P C E A T F A D L A L M L G G R Q Y D V A E T K C A L A M S
UniRef90_T1HPQ4 UniRef90_B8NLY9	GYVFPCETELPEFTVVIGSYNPGKHINYAPLQEGSST <mark>C</mark> VG
UniRef90_Q9VQ13	VFVDCSSIGDLPDIVFTVARRKFPLKSSDYVLRYGNTCVS

UniRef90_UPI00038C2A64 UniRef90_A0A016WFG4 UniRef90_F4RUM0	290 GFQPPPAGPLWI LIGDVFI RQFYAVFDRGNNQVIGLAPTV GLSHWSETDHWLLIGDPFI REYCHLYDLEEKKI GFAKA AVFSGETGGDWI LIGIISFMKSYYTTFDFANSRI GFA
UniRef90_H3EKW9 UniRef90_T1GMS7 UniRef90_E3QS16 UniRef90_M2R7B6 UniRef90_F1MPA5	A V F S G E T G G D WI L G L S F M K S Y Y T T F D F A N S R I G F A D M Q G G G F G P S WI L G D T W L R T Y C Q L H D V G Q G R L G F A K A G F Q V N D F W L G D V F M G K Y Y T E F D F G N K R G I Q S N S D L G F T I F G D I A L K A A F V V F D G G N T Q L G W A G L Q S R G D N P F D I F G D V F L K S V Y V V F D Q G E T R V G L A Q T F K E R R S T E S W V L G E V F L R L Y F S V F D R G N D R I G L A R A V G L Q N T N K P N H W I M G D V F F K A Y Y T V F D Q E H M R I G F A K A
UniRef90_S2J701 UniRef90_L2FR36 UniRef90_Q03699 UniRef90_N4V9E1	GIQNTNKPNHWIMGDVFFKAYYTVFDQEHMRIGFAKA GLQSSSGIGINIFGDVALKAAFVVFDGASNRLGWA GFGY GDYDFAIFGDVFLKNNYVVFNPEVPHVQIAPIA IYGHEVVPGAWLLGDVFLKNVYAVFDKDQKRIGFATRV
UniRef90_K5WML5 UniRef90_UPl00029D62A3 UniRef90_UPl000203A1CD UniRef90_S2JSJ7 UniRef90_G2RCL3	GADLGLGSNVWLLGDSFMKNVYTAFSFDKNAVGFASLASFQGTENMTWVLGDVFLRAYFSVFDWSKNRIDLAPAALDIPKPVGPLWILGDVFLRQYYSVFDRDQDRVGLAVSKYLQESPPFVDAILGYGFLQQYVSVYDNENKRIGFADRAGIQPDTGIGFSVFGDVALKAAFVVFDGGQKTLGWAPK
UniRef90_K5XBJ7 UniRef90_UPI000328F9FE UniRef90_I3KUE2 UniRef90_R1ESA5	GI I G T T NI PLWV V G D V F L S N F Y T K F D A G A N Q V G F A D L A G F V P P P A G P L W L L G D V F L G A H V A V F D R G G P R V G L Y F F C D V F L R Q Y Y S I F N R G Q N M V G L A K A G Q S N S D L G F T I F G D I A L K A A F V V F N G G T N Q L G W A
UniRef90_G1XNC2 UniRef90_T1GBF1 UniRef90_F2PMM2 UniRef90_UPI00046229C7 UniRef90_UPI000388E575	GALQPLSGNQYLEGDVFFKQNFGVFDYGRTRFGFAPNAGFMRGGGMWMLGDVFLGRYYSVYDVGNERIGFALLIVGRQGPKQWLVGDVFLKNVYSVFDFDKNRVGLAARKGADIGLGSNVWLLGDSFMKNVYTAFNFGTNSVGFATLAGFEPTSSGELWILGDIFIRQYYVVFDRSNNQVGLAPMA
UniRef90_E9EI07 UniRef90_K5VBU8 UniRef90_E3KTD8 UniRef90_A0D285 UniRef90_U6PIP6	TFKERRSTESWVLGEVFLRLYFSVFDRGNDRIGLARAV GIQNTNKPNHWIMGDVFFKAYYTVFDQEHMRIGFAKA GLQSSSGIGINIFGDVALKAAFVVFDGASNRLGWA GFGY GDYDFAIEGDVFLKNNYVVFNPEVPHVQIAPIA IYGHEVVPGAWLLGDSFMKNVYTAFSFDKNAVGFASLA SFQGGTENMTWVLGDVFLKNVYYTAFSFDKNAVGFASLA SFQGGTENMTWVLGDVFLRQYYSVFDRDQDRVGLAVSK YLQESPPFVDAILGYGFLQQYVSVYDNENKRIGFADRA GIQPDTGIGFSVFGDVALKAAFVVFDAGANQVGFADLA GFVPPPAGPLWILGDVFLRQYYSVFDRDQDRVGLAVSK GIQSNSDIGFTTIFGDIALKAAFVVFDAGANQVGFADLA GFVPPPAGPLWILGDVFLRQYYSIFNRGQNMVGLAKA GFVPPPAGPLWILGDVFLRQYYSIFNRGQNMVGLAKA GFVPPPAGPLWILGDVFLRQYYSIFNRGQNMVGLAKA GFVPPPAGPLWILGDVFLRQYYSIFNRGQNMVGLAKA GFVPPPAGPLWILGDVFLKAAFVVFDAGGTNQLGWA FFCDVFLRQYYSIFNRGQNMVGLAKA GFVPPPAGPLWILGDVFLKAAFVVFDAGGTNQLGWA FFCDVFLKRQYYSIFNRGQNMVGLAKA GFVPPSGNQYIEGDVFFLKNVYYSVFDFDKNRVGGFAP NAGFMRGGGMWMLGDVFLKNVYSVFDFDKNRVGLAARK GADLGLGSNVWLLGDSFMKNVYTAFNFGTNSVGFATLA GFEPTSSGELWILGDIFIRQYYVVFDAGNNRLGWAPKK GADLGLGSNVWLLGDSFMKNVYTAFNFGTNSVGFATLA GFEPTSSGELWILGDIFIRQYYVVFDAGNNRLGWAPKK GAQDLGLGSVWLLGDSFMKNVYTAFNFGTNSVGFATLA GFEPTSSGELWILGDIFIRQYYVVFDAGNNRLGWAPKK GAQDLGLGSVWLLGDSFMKNVYTTAFNFGTNSVGFATLA GFEPTSSGELWILGDIFIRQYYVVFDAGNNRLGWAPKK GAQDLGLGSVWLLGDSFMKNVYTTFDFGSSRLGFA GIQSGQNIEGDIVMRKYVILVFDKQNNKIGF AVFGSQTGGNWILGDSFMKNVYTTFDFGSSRLGFA GLEVESQMNLMIEGDIVMRKYVILVFDKQNNKIGF
UniRef90_Q76KL4 UniRef90_M1W9M0 UniRef90_C5KRI3 UniRef90_Q7KQM4	I Y G H E V V E G A WL L G D T F L K N V Y T V F D R D Q G R V G F A A A A E L Q M S P D G L P I I L G D T F L K K H Y T V F D A K E R R V G V A V S A I I L P V D L N K N T F I L G D P F M R K Y F T V F D Y D N H T V G F A L A K
UniRef90_Q0CLC4 UniRef90_R7VVX2 UniRef90_K7LVV7 UniRef90_W3WHL5 UniRef90_M4GCQ8	GE Q S M G S G E L WI L G D V F I K E Y Y V I F N K A I N Q V G L S K G F I A P P R G P L WI L G D I F M G S Y H T V F D Y G N M K V G F A E S A
UniRef90_UPI0004407C74 UniRef90_F8P7X6 UniRef90_G0SGN4 UniRef90_T0R407 UniRef90_X8IZX9	GIQSNDGLSFSIFGNIALKAAYVVLDMGAPRVGWASKKGLAPGDSFPDDLGDEFLKSWYTVYDYSNGRVGFAPSAFYEVTSSTPWVIGDTFLKSVYSVFRYSPPSVGFAPSAFYEVTSSTPWVIGDTFLKSVYSVFRYSPPSVGFATGIQSSSGFPFAIYGDVFLKAQWTVFDMGEERLGFAQLQNSGDEAWWVLGDVFMKTYYTLFDAGNMRVGFAGAIHRTKTDRWILGTRFMKSVYTVFDADKSQVGFATPV
UniRef90_UPI0003319563 UniRef90_C7YZL1 UniRef90_A8X015 UniRef90_C5GE29	G C C C C WILL G D F F I K N T V A V F D K A N N Q V G L A F V A
UniRef90_A0A016SPN4 UniRef90_UPI00020ADB85 UniRef90_UPI00044109AA UniRef90_Q28075 UniRef90_A0DQV3	A I S G G D G S N V WL L G D V F I R Q Y F I V F D R A N N Q V G L A F I V G D G F A
UniRef90_W3XD31 UniRef90_UPl000441103C UniRef90_Q4WNV0 UniRef90_C4JN46 UniRef90_V9D4W2	GLQSSADLGINI FGDVALKAAYVVFNGASPTL GFATK GFLDSGNAPTFI VGDTFLKGVYSVYRFDPPAVGFA VGQALYGDDVWLLGDVFLKNVYSVFDYDNHRI GFA GIQAARNGAV LGAMFLKSQYVVFDYGKLRVGFAPQA LIGHQPFGPNDWILGDVFLKNVYTVLDFDHASVGFGTKA
UniRef90_K5WLU6 UniRef90_R0HUH3 UniRef90_X8JJK4 UniRef90_Q6CAK4	GFIDSGNAPTFIVGDVALKAAYVVFNGASFILGFAIK GFIDSGNAPTFIVGDVFLKGVYSVYRFDPPAVGFA VGQALYGDDVWLLGDVFLKNVYSVFDYDNHRIGFA GIQAARNGAV LGAMFLKSQYVVFDYGKLRVGFAPQA IGHQPFGPNDWILGDVFLKNVYTVLDFDHASVGFATLA GADVGLGDNVWLLGDSFMKNVYTVFSFDQNAVGFATLA RFASTTGGRWF LGLAFLRVYHTVFDFQNPRIGFATAV SIVPSAQRTAWLVGDSFLKNVYTVFDQTKLQVGFAKLA GLKTGNDGQQWILGAVFMKNVYTVFDQTKLQVGFANKK
UniRef90_Q0V2F9 UniRef90_M1W4T9 UniRef90_B4PU80 UniRef90_G1X5X0 UniRef90_J3PC87	GVG PAGNSVAVLGDTFLRSAYVVYDLANNEISLAQGMQSALSLGVSVLGDVMLKALFVVFDVQNNRIGLANKKLAIAPINRGFWVLGDIFLSRYYTVFDATERRIGLAQAKGGIQGYDGNMYIYGDIFFKAFFSVFDYENEQFGFASKAGIQFPVDLGFGLLGDVFLKAVLAVFDVQNKTVGFA
UniRef90_Q9XFX3 UniRef90_B2WKI0 UniRef90_UPI0003346BC5 UniRef90_UPI000455CD3D UniRef90_L9LAI8	GLQSNAGIGFSILGDVFLKSKYLIFDQTTNRAGFAQQVGFMPPPGGPLWILGDVFLGRYYTVFDREENRVGLAQAAGLVASDVTKDFWIGDVFMQNVYSVFDYGNRSVGFAMHIPPPPAGPLWILGDVFNGCYYAVFDRDNNRVG
UniRef90_T5AEN7 UniRef90_G5EH06 UniRef90_A0CWF5 UniRef90_A5AAJ6 UniRef90_P81214	GEMPPPGGPLWILGDIVFIGGRYYIVFDREENRVGLAQAAGUVASDVTKDFWIGDVFMQNVYSVFDYGNRSVGFAMHIPPPPAGPLWILGDVFIGGVYYAVFDRDNNRVGGMQGSGQGNTTILGDAMLKALFVAFDMEKGRIGFANKKGLQVDTGIGGSIFGDIALKAAYVVFDNSSPRLGWATFMPHPQGPAWILGDTFLSKYYSVYDNSSPRLGWATSMPHPQGPAWILGDTFLKKNYYSVYDDELRVGFAGFGYSSMDFAILGDTFLKNNYVVFNQGVPEVQIAPSKGQSNSGIGFNIFGDIFLKSKYLVHDNANPRIGFAQAWGQCSTADEWNIFGDIFLKSKYLVHDNANPRIGFAQA
UniRef90_R0I6N6 UniRef90_K3XBE0 UniRef90_V5HZV1 UniRef90_J3KDA9	GIQSNSGIIGFNI FGDI FLKSKYLVHDNANPRI GFAQQAWGQCSTADEWWI LGDVFI KTYYTL FDAQNMRI GFAGIQSRGDNPFDI LGDTFLKGIYAI FDVGNKRFGLPRQALGPDQWL LGDTFLKNVYSVFDYDESRI GFAGIQSASGMPFALYGDI FFKAQFTVFDVENLKLGFAPK
UniRef90_G2Q6W1 UniRef90_Q804Z9 UniRef90_E9E142 UniRef90_B6Q274 UniRef90_UP100023AD846	GMQSAKDMRCYAYILLIIVLRRVF GMQSAKDMDVTVLGDVMLKALFVVFDVDKNRIGLA GLQLAPRPDLNLLGAMFLKSQYVIFDNGHPRVGFAKQA
UniRef90_M2ZHG1 UniRef90_H3F0C6 UniRef90_T1HPQ4 UniRef90_B8NLY9 UniRef90_Q9VQ13	GLQPSEAPNIAIL GDVFLKQFFAVFDGGNMRFGVAEK PFSGGGFGPSFILGDPFIREYCQVYDVGNKRIGFALAK GLQSNSGLGLSILGDVFLKSQYVVFDSQGPRLGFAAQA GFTSMNGNSLLILGEIFLGAYYTTYDIYYKLIGLAPA

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JniRef90_S8E851 JniRef90_A0A022PSP4 JniRef90_B9RXH6 JniRef90_D0NFI6 JniRef90_D0NFI6 JniRef90_A0A059DED3 JniRef90_Q8L6A9 JniRef90_Q8L6A9 JniRef90_Q8L6A9 JniRef90_A0A044UMJ9 JniRef90_UP100029D53A2	UniRef90_V4UKY3 UniRef90_Q9LGZ3	T D I V A L K G D D V P L D	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	YGEIIGIIGT FGEIIGIIGT	PPQKFTVI FDTGSSNL PPQN <u>F</u> TV <u>I</u> FDTGSSNL
DRY Y T N T L G T P P Q K F E V T F D T G S A D L	UniRef90_S8E851 UniRef90_A0A022PSP4	 Т Т \\\ \	S E Y N Y M D A Q Y	VVPVSIGT YGEISIGS	P G K T L M L D F D T G S S D L P P Q N F T V I F D T G S S N L
JniRef90_D0NFI6 JniRef90_W1P191 JniRef90_A0A059DED3 JniRef90_Q8L6A9 JniRef90_G2XA22 JniRef90_A0A044UMJ9 JniRef90_UP100029D53A2 JniRef90_UP100029D53A2 JniRef90_UP100029D53A2 JniRef90_W7SYK4 JniRef90_M7SYK4 A K T T P E P D D 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 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 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 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 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 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 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 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 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 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 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 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 C F D T G S S D 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 C F D T G S S D 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 C F D T G S S D L V P L E N F M E F Q F F G P I A I G S P P Q T F T V I F D T G S S D L V P L E N F M E F Q F F G P I A I G S P P Q T F T V I F D T G S S D L V P L E N F M E F Q F F G P I A I G T P A Q K F T V V F D T G S S D L V P L E N F M E F Q F F G P I A I G S P P Q T F T V V F D T G S S D L V P L E N F M E F Q F F G P I A I G S P P Q T F T V V F D T G S S D L V P L E N F M E F Q F F G P I A I G S P P Q T F T V V F D T G S S D L V P L E N F M E F Q F F G P I A I G S P P Q T F T V V F D T G S S D L V P L E N F M E T T V V F D T G S S D L V P L E N F M E T T V V F D T G S S D L V P L E N F M E T T V V F D T G S S D L V P L E N F M D A Q Y F G I G I G V G S P P Q T F T V V F D T G S S D L V P L E N F M D A Q Y F G I G I G V G S P P Q T F T V V F D T G S S D L V P L E N F M D A Q Y F G I G I G I G T P A Q K F	UniRef90_Q6CCM0 UniRef90_B9RXH6	TDIVALK	DRYL	Y T N I T L G T Y G E I G I G T	PPQKFEVTFDTGSADL PPQKFTVVFDTGSSNI
JniRef90_A0A059DED3 JniRef90_Q8L6A9 JniRef90_Q8L6A9 JniRef90_G2XA22 JniRef90_A0A044UMJ9 JniRef90_UP100029D53A2 JniRef90_W7SYK4 JniRef90_M7SYK4 A K T T P E P D D L E Y L T P V S I G T P A Q K F T V V F D T G S S N L JniRef90_W7SYK4 A S S A Q E P L S D Y L D T Q Y F G T V A I G T P A Q T L N L D F D T G S S D L JniRef90_W7S162 Y D A E Y L C P V N L G G G T L N L D F D T G S S D L JniRef90_W7S162	UniRef90_D0NFI6 UniRef90_W1P191	V P L K	NFMEFQF	F G P I A I G S	PPQEVLVCFDTGSSDL
DGSDFSYFVQAKL GSEGKELYML VDTGAGTS Junkef90_A0A044UMJ9 YMDNIY INTIL ETPPQHFEVIPDTGSSDL Junkef90_S7QIV5 VPLSNFQGAVWSGAISVGTPPVTYTVDFDTGSSDL Junkef90_G7DVM9 ASSAQEPLSDYLDTQYFGTVAIL GTPAQTLNLDFDTGSSDL Junkef90_W3X162 YDAEYLCPVNLGGGGTVNLDFDTGSSDL Junkef90_W3X162 YDAEYLCPVNLGGGGTLNLDFDTGSSDL Junkef90_W3X162 YDAEYLCPVNLGGGGTLNLDFDTGSSDL Junkef90_W3X162 YDAEYLCPVNLGGGGTLNLDFDTGSSDL YDAEYLCPVNLGGGGTLNLDFDTGSSDL YDAEYLCPVNLGGGGGTLNLDFDTGSSDL YDAEYLCPVNLGGGGGTLNLDFDTGGGGGTLNLDFDTGSSDL YDAEYLCPVNLGGGGGTLNLDFDTGGGGGTLNLDFDTGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGGG	UniRef90_A0A059DED3	T DI VISILIK	NYMDAQY	Y Ğ E İ Ğİ Ğ T	PAQKETV VEDTGSSNL
JniRef90_UP100029D53A2 JniRef90_S7QIV5 JniRef90_M7SYK4 A K T T P E P D L E Y L T P V S I G T P A Q T L N L D F D T G S S D L JniRef90_G7DVM9 A S S A Q E P L S D Y L D T Q Y F G T V A I G T P A Q D F Q I D F D T G S A D L JniRef90_W7S162 Y D A E Y L C P V N L G G G Q T L N L D F D T G S S D L JniRef90_W7S162	UniRef90_Q8L6A9 UniRef90_G2XA22 UniRef90_A0A044 IM IQ	I VALK	DGSDFSY	FVQAKLGS	E G K E L Y ML VD T G A G T S
JUNIREISU STAIVS JUNIREISU STAIVS A K T T P E P D D L E Y L T P V S I G T P A Q T L N L D F D T G S S D L JUNIREISU STAIN STAIN STAIN STAIN STAIR	UniRef90_AUAU44UMJ9 UniRef90_UPI00029D53A2			VGNI TIET	PPQKFQVIFDTGSYDL
JAINERIOU GADANIA ASSAQEPILS DYILD I QYFGIVAI GTPAQDFQI DFDTGSADL JAINERIO W9X162 YDAEYLC PVNIG GQTLNLDFDTGSSDL	UniRef90_S/QIV5 UniRef90_M7SYK4	AKTTPEP	DDLEY	LT PVSI GT	PAQTENL DFDTGSSDL
	UniRef90_G7DVM9 UniRef90_W9X162	ASSAQEPLS	Y D A E Y	F G T V A I G T L C P V N I G	PAQDEQII DEDTGSADL GQTLNLDEDTGSSDL
UniRef90_M7SJJ9	UniRef90_M7SJJ9 UniRef90_A5DG17	ĹQ	DGTDFSY DISY	F L E V K F G A L L Q L D I G S	E E K P L Y M L L D T G A S T T N Q E T F T F Q I D T G S S N L

	50 60 70 80
UniRef90_G9NCX5 UniRef90_UPI0003F1B93A	WIQSTDTTYNPWPLRYHPNDSTTAHLIQGAKWSVIYMDGT WCHFFSLPCWLHHRFNPKASSSFQPNGTKFDLQYGTGRLA
UniRef90_UPI000398F7DC UniRef90_S3DBL7	WVPSTYCQSPPCYNHAKFNPSASSTFTSSNQTYNVSYGSG WVWSWLMPQYNGSKSTESARWNGQSFNVQYSRGSAYGLVW
UniRef90_004057 UniRef90_B6D596	WV LCECLFS VACHFHARYKSSRSSSYKKNGTSASLRYGTG WVWSDFCTSPACSTHVRFRHLQSSTFRFSNKTFRFTYGSG
UniRef90_UPI0002C2E994	
UniRef90_M7SW94 UniRef90_Q4YR60	F S T D T P D D Q V K G Q K L Y A P D D S S T S S L T D H C T W S I L Y G D F S W V P S K E C K S G G C A Y K H R Y D S S A S N T Y E K D G T P V S I L Y G S G
UniRef90_UPI0003C15283 UniRef90_R8BRG1	WIFSTDTQILGFNDRRIYHPHNSSTSIRQANTTWYIITYGD
UniRef90_G9P5R4 UniRef90_UPI000455F74E	YRVNQKGPWAPRYHPNDSTTAHLIQDARWSVEYLDGTSAD WVPSSSCTNCNSGGSTYDVSTSSTGKTVSDSLEDTYGSGA
UniRef90_M3B6K6 UniRef90_J9J0J7	WV C Q A R G D P C S I S G T Y N A N D S S T Y T Y L N S D F N I S Y V D G S G WI VK T C S S Q E N S N D E G C Y D S Q N S H T A V Q L E Q A S H L T F G K G
UniRef90_R7SWE9 UniRef90_H1VSK1	WVFSTSCDSCGSHNKYDPSTSGKKES GSFSIISYGDGS WVFSTSTPQRNGQTVYDPSKSSTASRLSGATWSLAYGDGS
UniRef90_F0UYY7 UniRef90_U7PUW1	WVFSSETPSSEVNGQHQYDPSKSSTSKLKSGYTWSLSYGD
UniRef90_G3J6D7 UniRef90_W9QXV4	WVPSTSCDSCGSHNKYDPSTSGKKES GSFSISYGDGS WVPSTSTPQRNGQTVYDPSKSSTASRLSGATWSLAYGDGS WVPDATCDPTVCGCTDADDPSCTTRNTFDSSRPFSDNNTQ WVFSSETPSSEVNGQHQYDPSKSSTSKLKSGYTWSISYGD WVFSTQTEGAGFQTKYDPSRSSSAKRLSGATWEISYGDGS WVPSSKCYFSLACYFHSRYKSSKSSTYTSIGKSCEINYGS
UniRef90_Q4TAS9 UniRef90_V5HZP6	MGTDCTSKPCAQHNTFGPSDSSSLD VTSNSWNVGYGSGTWVPDISCGICDYYCHGLPTMFCNKLCDKGCCSLQNGFTES
UniRef90_U1NHZ7 UniRef90_M5C6Z2	
UniRef90_P11838 UniRef90_S3BY79	WVFSSETTEVDGQTIYTPSKSTTAKLLSGATWSISYGDGSWVFSTTASEVNGQNIYTPSKSSTSKLVSGATWKVKYGDESWVISIDCKSNNMHTKNRFDPSKSSTSKLVSGATWKVKYGDESWVISIDCKSNNMHTKNRFDPSKSSTYSSYGQNFSITYALGWVMNTQMTDDKDHHLYDPSKSKTATKQVGQTFDIKYGDKSWVFSSQLPSSETQGHDIYRPSRNARKLSGYTWSISYGDGSWVPSVQCSSIACFKYDNSQSSTYKANGSEFAIRYGSGSLEWVFCESSQDPCEGGTYDSSASSTYKLINDQFNISYVDGTG
UniRef90_Q8MY59 UniRef90_E4UVV5	WV I SI DCKSNNMHIKNRF DPSKSSI YSSYGQNFSI I YALIG WV MNT QMT D DKDHHLY DPSKSKT A TKQVGQT F DI KYGDKS
UniRef90_S7ZPS7 UniRef90_K1VXR2	WV F S S Q L P S S E T Q G H D L Y R P S R N A R K L S G Y T W S L S Y G D G S WV P S V Q C S S L A C F K Y D N S Q S S T Y K A N G S E F A L R Y G S G S L E
UniRef90_W9XPX2 UniRef90_UPI0003339F91	WVPSVICUS CACONTINE NPNLSSIFRANGCITILIST CSC
UniRef90_UPI00044119EF UniRef90_G3I730	WVQSG <mark>C</mark> PD <mark>C</mark> TSAQFQTKRSKTYKSANKRFS LQYGSG CSVSHRLSDPFFHRRFNPKASSSFR <u>P</u> NGTKLALQYGSGQT
UniRef90_C0NIS4 UniRef90_A2R3L3	WLISSN <mark>C</mark> TLQPCKMHNTFGLEDSNSLSVSDIPFTVSYGSG WVFSDELPSSEQTGHDLYTPSSSATKLSGYTWDLSYGDGS
UniRef90_A7ECZ2 UniRef90_M0QW01	CSVSHRLSDPIFHRRFNPKASSSFRPNGTKLAIQYGSGQTWLISSNCTLQPCKMHNTFGIEDSNSLSVSDIPFTVSYGSGWVFSDELPSSEQTGHDLYTPSSSATKLSGYTWDISYGDGSFSSLLSSSSRSGHDIYTSSKSSTYRSLSGYSWDISYADGSCPPSWPSPACSTQIRFRH YKSSTFRPTQKTFSVAYGSGSWVPSKSCKSEGCGNKHTYDSTKSHTYEKDGTPVSIVYGSG
UniRef90_W7AJL4 UniRef90_W6KTK3	WVPSKSCKSEGCGNKHTYDSTKSHTYEKDGTPVSLVYGSG WVPTQETHLCVVKRCYNPKESSSTTP DGREFHLKYGS WVFSTETPQSTGHTLWNVTASSTAKKLDTYTWSLAYGDKS
UniRef90_A0A014P740 UniRef90_Q8VCK2	WVFSTETPQSTGHTLWNVTASSTAKKLDTYTWSLAYGDKS
UniRef90_Q4S9Z7 UniRef90_X8J1J1	SAR <mark>C</mark> FPLYRA <mark>C</mark> KLHRHYNSQLSSTYFPDGRWFFINYQSGS WVWSSEFRQLEGHQIYNPRKSRTAESLPDATWKISYGDGS
UniRef90_M4EL25 UniRef90_UPI0002B424D5	WVWSSEFRQLEGHQIYNPRKSRTAESLPDATWKISYGDGS WVPSSNCYFSIACYFHSKYKARDSSTYKRNGKPASIRYGT WVPSAKCIFSLACFFHAKYQSGRSSTYKRNGTSAAIQYGS
UniRef90_U7PQA2 UniRef90_J3KYY3	WVPSAKCIFSLACFFHAKYQSGRSSTYKRNGTSAALQYGS WVFSSETPKAQQQKLYNIAASTTAKVLAGATWNIRYGDGS WVPSTKCYFSIACYLHHRYKSKGSSSYKKNGESCTISYGS WITKSCKNGMNKYFTQQSSPTFKNLHVKEELMFGSGKLAG
UniRef90_J9HY45 UniRef90_D0F1P7	WITKSCKNGMNKYFTQQSSPTFKNLHVKEEIMFGSGKLAG WVPSSKCYFSVACYFHSKYKSSSSSTYKKNGKPADIIHYGT
UniRef90_I0YLI3 UniRef90_L7I5U1	WVPSSKCYFSVACYFHSKYKSSSSSTYKKNGKPADIHYGT DSCQSASCAAHQQYVQRNSTTFEGTDGVFFIEYGTGAVEG WMHKGDQKFYAPEVSKTSTHVPNTSWWLEYDTDRLAGDGT
UniRef90_U6PXJ0 UniRef90_T0L0F8	WVM C C C K C C A C E K H C C V C D T D C D C V K D U C E C E C V A V C C C
UniRef90_UPI000455F00A UniRef90_W9VTP1	VLPGSECTTCDGHVTYDPTYSSTSKSKDHGFSIPDVAAGS WVMGSDCGSYACQTHNTFGSEDSSTLKTTTQTWSMTYGTG
UniRef90_L8FRX2 UniRef90_F8P5P7	WV WP S N I Q K T A G H S V F D P K K S S T F K P M K N S T WR I S Y G D N S L V A G S G S T C D G H N E Y N P N L S S K S T R L G D A F T S Q L F G E N Y T
UniRef90_I1NBM7 UniRef90_F6TIG0	WV WGSSCRTSSACERIGSTGFTDSDSTRDESEGFSVATGSG VL PGSECTTCDGHVTYDPTYSSTSKSKDHGFSIPDVAAGS WV MGSDCGSYACQTHNTFGSEDSSTLKTTTQTWSMTYGTG WV WPSNIQKTAGHSVFDPKKSSTFKPMKNSTWRISYGDNS L VAGSGSTCDGHNEYNPNLSSKSTRLGDAFTSQLFGENYT VPSSKCYFTLACYTHNWYTAKKSKTHVKNGTSCKINYGTG WVSSSQCYKTYDASKSSTYQTNGSEFIIHYASGWVEGFLS
UniRef90_H2L309 UniRef90_UPI000359D6BE	
UniRef90_W6KY92 UniRef90_UPI00046231A3	WLPTVKTNMCRSKKSYSSQKSTSSTPDGREFSENYNSVFV WVPSSS <mark>C</mark> KGCSGKTLYNPSKS <u>K</u> KSSKKT <u>G</u> TFSLSY <u>G</u> DGST
UniRef90_U9SMV8 UniRef90_Q750Y1	F
UniRef90_G7DUR2 UniRef90_T1GQB2	QVQI YGNGFQTQQSST FQDSGAPFQI QYASG WIPSVNCI NCNALTAYDSS NSSTYVPNGNVFSI AYGKG
UniRef90_UPI000329F389 UniRef90_C9SPF7	NI WI S S Y I <mark>C</mark> D F W N F A <mark>C</mark> Y F T H H Q R Y R Y X N G X S I S I S Y <mark>C</mark> S G Q
UniRef90_UPI0004622E1C UniRef90_G0MU88	WV CQEVPNPCALSGMYAANQSSSYNYLGSYFNISYVDGSGWIPVNCRNCRNTGYRSKGSATYQPSTDQCTISYGTGQVSGWVLDANCVSKNCKGNAMDGTLKDTYNSSKSVTYYSDGTSF
UniRef90_V4UKY3 UniRef90_Q9LGZ3	WV P S T K C Y F S V A C Y F H S K Y K S S Q S S T Y K K N G E S A S I Q Y G T WV P S V K C Y F S I A C Y L H H R Y K S K G S S S Y K K N G E S C S I S Y G S
UniRef90_S8E851 UniRef90_A0A022PSP4	WV WS \$\overline{\overline
UniRef90_Q6CCM0 UniRef90_B9RXH6	WVPTAPDQQCSGQCPFDADASSTYSLLNNNFDVGYII GDPN WVPSSKCIFSVACFFHSRYKSGQSSTYKKNGKSAEII HYGS
UniRef90_D0NFI6 UniRef90_W1P191	WV L DAN CVS K N C K G N A M D G I L K D I Y N S S K S V I Y Y S D G I S F WV P S T K C Y F S V A C Y F H S K Y K S S Q S S T Y K K N G E S A S I Q Y G T WV P S V K C Y F S L A C Y L H H R Y K S K G S S S Y K K N G E S C S L S Y G S WV WS S E G K Y R D K H R L Y H P D Q S S T A K K V D G R WQ L S Y G D G S S WV P S A K C Y F S L A C Y F H S R F K A A K S S T Y T K L G K P C S I Q Y G S WV P S A K C Y F S L A C Y F H S R F K A A K S S T Y T K L G K P C S I Q Y G S WV P S S K C L F S V A C F F H S R Y K S G Q S T Y K K N G K S A E L H Y G S WV P G N K C E A C A G Q D R F N H S L S S T Y H E S T T H P A F A V Q Y G S G WV P S S K C Y F S V A C Y F H S K Y K A S K S S S Y K E N G K S C E I H Y G T WV P S S K C Y F S I A C Y L H R Y K S S R S S T Y K A N G K P A D L O Y G T G
UniRef90_A0A059DED3 UniRef90_Q8L6A9	WVPSSKCYFSII ACYLHSKYKSSESSSYKKNGKSADII HYGS WVPSSKCYFSII ACYLHRYKSSRSSTYKANGKPADII OYGTG
UniRef90_G2XA22 UniRef90_A0A044UMJ9	WVPSSKCYFSIACYLHRYKSSRSSTYKANGKPADIQYGTG WVMGSDCASPACHNSFGPDDSKTFERVDE HYSVKYGSGS WVISNGCNSHSCHPKNRFDPKNSSTYSDFGQSFAVITYASG
UniRef90_UPI00029D53A2 UniRef90_S7QIV5	
UniRef90_M7SYK4 UniRef90_G7DVM9	A Q S N C D S T C A G H T L Y N T A S S S T A V D Q G Q T F S L A F G D G S S W V F S S Q L S K T L Q T G H S V Y T A A S S S T S K K L S G A T W D L S Y G D W V P S S Q S A S S H T K F V S T A S S T Y K N L N T P W E I Q Y G T G A T E G W V F S S E L S S S E Q H S L Y D P S K S S T A K E L S G A T W K I S Y G D G S W V M G H D C E S D A C T K H D S F G P D D S S T F K D T G S S F S I M Y G T G F V P L A G A T C E C A E E A R Y D P Q G S T S S H L L Y N N V T L L Y G E G H
UniRef90_W9X162 UniRef90_M7SJJ9	WV F S S E L S S S E Q H S L Y D P S K S S T A K E L S G A T W K L S Y G D G S WV M G H D C E S D A C T K H D S F G P D D S S T F K D T G S S F S L M Y G T G
UniRef90_A5DG17	F V P L A G A T C E C A E E A R Y D P Q G S T S S H L L Y N N V T L L Y G E G H

	90 100 110 120
UniRef90_G9NCX5 UniRef90_UPI0003F1B93A	TADGIVYHDTVRLGNFWVENQSAKMISGQLEEDIRMSGIL GILSEDKLTIGGMMNASVIFGEALWESSLVFTLARFDGIL
UniRef90_UPI000398F7DC UniRef90_S3DBL7	TLTVLLGRDTLRIQNITVTNQEFGLSKNEPTQSFYYADFD QDTVTVNGEYPIAGNPVECAQNLGGDNLVALTGVDGIMGL
UniRef90_004057 UniRef90_B6D596 UniRef90_UPI0002C2E994	AVSGFFSYDNVKVGDLVVKEQVFIEATREPSLTFLVAKFDRMIAVVVHDTVRIWQLVSTDQPFGLSIDQYGYEIRIYDGV
UniRef90_M7SW94 UniRef90_Q4YR60	S S S G I C Y T D T L T L G H L A L E N M T I E S A T S T S E M F T E T K S M S G L K G F F S N D M F T L G H H T L P Y K F L E V T E T D D L E P L Y T A S P F
UniRef90_UPI0003C15283 UniRef90_R8BRG1	OSYATGVVYTDDVOLGELTVKNATVESATTAAEALVDDPT
UniRef90_G9P5R4 UniRef90_UPI000455F74E UniRef90_M3B6K6	GIVY HDTVHLGN FKVEN A AVQS A EMVTS R F E E FIELS GIL 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 M G F A W R P L A Q A S A G D Y V S D T V K I G D T T L T G Q Q F G L G Y E S S S Q E G L G L G Y P
UniRef90_J9J0J7 UniRef90_R7SWE9	
UniRef90_H1VSK1 UniRef90_F0UYY7	S S S G
UniRef90_U7PUW1 UniRef90_G3J6D7	G S S S G N L Y T D A V N L G G V T V P N Q A V E L A E Q V S S T F S S D S A N C S G D V Y T D D V T V G G L T V K G Q A V E A A Q E V S Q Q F A Q G Q S D G G S V S G F F S Q D N V Q V G D V V V F L E A T R E G S L T F L L A K F D G L L
UniRef90_W9QXV4 UniRef90_Q4TAS9 UniRef90_V5HZP6	VS GV LAS DKVA FAGF DFT MT F GWAKETS DDF LQYPF DGI L
UniRef90_U1NHZ7 UniRef90_M5C6Z2	KCPNKLFFNALTSNTYSEHLGTWRLKYGSGMAAGFYGQDL
UniRef90_P11838 UniRef90_S3BY79	S S S G D V Y T D T V S V G G L T V T G Q A V E S A K K V S S S F T E D S T I D T S S G V V Y T D K V T V G G I T A S S Q A V E V A K T V S A S F T S N S D L D Y S K G I L G I D Q L S F A D L T V A N Q I F G L A N H I A L S F G N F S M D G
UniRef90_Q8MY59 UniRef90_E4UVV5 UniRef90_S7ZPS7	
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UniRef90_G3I730 UniRef90_C0NIS4	GILIS QDNLTI GEIR GVS VTF GEALWESS MVFTLAHFDGIL TVS GV L VN D S VS F G G F DLAHLG F G S V L S M S D E F K N Y P M D G S A S G D V Y R D T V T V G G V T T N K Q A V E A A S K I S S E F V Q N T A N D G A S G V V G T D T V T I G K T T V T G Q A V E L A N Q V S S E F V S D A S D G M N G F L A Y D T V C I G D L V S T D Q L F S P S I V E Y G C E G A P F D G V L G I K G F F S N D M F T L G Q H T I P Y K F I E V T Q T D D L E P L Y S G S P F
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UniRef90_W7AJL4 UniRef90_W6KTK3	GSIVINGIVE VIEDNII IQEASETAN QTEAEIVISDIVINITIVIEAR WDGII IN
UniRef90_A0A014P740 UniRef90_Q8VCK2	T S S G D V Y T D I V R I G G A E I Q N Q V V E S A L Q V S Q Q F T Q D T P S S
UniRef90_Q4S9Z7 UniRef90_X8J1J1 UniRef90_M4EL25	LSGFISEDTVSVSSRSLLSQQFGEAVSQPGQTFVYTQFDGHASGNVVLDTIKIGDITIKKQAVDEFLRGGSDGLLGLGFPGAISGYFSNDDVKVGGLVIKDQVFIEATSEPGITFFDGL
UniRef90_UPI0002B424D5 UniRef90_U7PQA2	GAILIS G F F S Y D NIVIQIVIG DIV L VIR N Q FILLIF A T S M S T M T F M A A K F
UniRef90_J3KYY3 UniRef90_J9HY45	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 S G S L A G F F S E D S V L V G D L V K F L E T T R E P S L T F I I G K F D G L L Y F G E D D F R L G F S G Q D E I L I H N Q T V G L L V E E A V L D P D Y D A I
UniRef90_D0F1P7 UniRef90_I0YLI3	GAISGYFSQDHVKVGDLVVKNQEFREPSITFLVAKFDGIL TTVYDSLQLAEPLINIERQGFGLADQASITFAVAS <mark>C</mark> DGLF YASGDVWKDTLSLGDVELKNMTLQTALMASVAMVTDVNMS
UniRef90_L7I5U1 UniRef90_U6PXJ0 UniRef90_T0L0F8	SVKGOKUS DSUS EAGMNEDE OF GVANETS DDE NHEPEDGU
UniRef90_UPI000455F00A UniRef90_W9VTP1	LYTDDLSLLGLKANGQTIGVAEAYHTPY HVDNFPADGLL EVDGVVATDTVQLANYTVSMDFGLASTASDDFNNYPMDRA SASGLVGLDNVTMGGLTVKNQAVQNRMSSEFVTLTGDGLL
UniRef90_L8FRX2 UniRef90_F8P5P7	II IS G F K Y S D T IVIT II IA G Y T A K T Q NII ISIV VIF K Y S G A F C Q N D H T P H
UniRef90_I1NBM7 UniRef90_F6TIG0 UniRef90_H2L309	SISGFFSQDNVKVGSAVVKHQDFIHEGSLTFLSAKFDGIL QDILTIGEVKATQLFGEATTLSTIPFELASFDGVLGLGNP
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UniRef90_UPI00046231A3 UniRef90_U9SMV8	A S G T P Y T D T V T V G V K V T N Q Y F A A V T Q E S S Q F A Q D P A D G L M G T G A T G D S A K T T L V L A G L S Q E F G V V N E L S D D F E H P Y V G L M
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UniRef90_M7SYK4 UniRef90_G7DVM9	VT GEVFVDTVTI TATGQAVGAANQYSSSFEVSQFPADGLMGSGASGNVFTDKVTLGGVEFDAQAVETASKLSEQFTEDTNFAGLTVTNQVWALANTTASLFEKTPADGLMGMGFSTLAQS
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UniRef90_Q4S9Z7 UniRef90_X8J1J1 UniRef90_W4EL25 UniRef90_UP10002B424D5 UniRef90_U7PQA2 UniRef90_J3KYY3 UniRef90_J8KYY3 UniRef90_J9KY45 UNIRef90_J9KY45 VLGMAYPSLSDITPLFDRIMAAKLLPQNVFSFYLNRDGGE KLNTVQPHRQKTPMQNMVEQGLVKDPIFTVKLDKHDSRGF KLNTVQPHRQKTPMQNMVEQGLVKDPIFTVKLDKHDSRGF UNVFSFYLNRDGGE KLNTVQPHRQKTPMQNMVEQGLVKDPIFTTVKLDKHDSRGF UNVFSFYLNRDGGE KLNTVQPHRQKTPMQNMVEQGLVKDPIFTVKLDKHDSRGF UNVFSFYLNRDGGE KLNTVQPHRQKTPMQNMVEQGLVKDPIFTTVKLDKHDSRGF UNVFSFYLNRDGGE KLNTVQPHRQKTPMQNMVEQGLVKDPIFTTVKLDKHDSRGF UNVFSFYLNRDGGE KLNTVQPHRQKTPMQNMVEQGLVKDPIFTTVKLDKHDSRGF UNVFSFYLNRDGGE UNIRef90_J8KYY3 UNIREF90_J9KY45
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UniRef90 J9HY45 LIGILIA Y P K M A S T GILIPILIE D S MILIO O K ILLID K NILIE S E Y M A M N P S E
ÚniRef90_l0YLl3 GLÁFPALSKQG <u>VAPP</u> FFNMLQEŘLLDAPEFSTWLNKDŤŘE UniRef90_L7I5U1 GLAGL <mark>C</mark> PNHPSTVMPSQPKLEPVLDEFVFAADLRYQDTG <u>R</u>
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UniRef90_004057	UniRef90_UPI0003F1B93A UniRef90_UPI000398F7DC	L V L G G S D P A H Y L P P L T F V P V T L P A Y W Q I H M E R M K V G T G L T L I L G E V N T Q L F R G D I L WA A V T Q Q R Y W Q V A L D E F G I G D V V T M D F G K I D T K K Y T G N I L Y T P V V P L A D W P G S G Y W L V N W S G Y S
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Inite990_M98666	UniRef90_R8BRG1 UniRef90_G9P5R4	LFTFGYLNESRTSEALTWPDSPHWDLEFNLTTWGEQTTPW
Uniref90 H1VSK1	UniRef90_M3B6K6 UniRef90_J9J0J7	I LF G G V N T E K Y T G S L E T L P I VE T Q G V Y A E F I I A L T A V G A N L I L G E L D N N Q F E G D L K Y Y P V V D K Q F W T L N L N D V L V G N K C Q
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UniRef90_J3KYY3 L I F G G V D P N H Y K G N H T Y V P V T R K G Y W Q F E M G D I D D Y S T G F UniRef90_J9HY45 L V F G G Y D A S K F S G D I V W H P V V D K L F W S L N L D D I K F N N I C K UniRef90_I07LI3 UniRef90_I07LI3 G V F P G I N P A R Y S G E L Q Y H Q V I G T R Y W Q L E L S G I K V G K G V S UniRef90_U6PXJ0 UniRef90_U6PXJ0 Y T Y G D I D T T N C G P V I D Y Q P L I S A N Y W Q F D M S C F V S G K V A UniRef90_T0 T0 I F R F G H V P K S D Y E G E I H W A R M N K T S K F W Q F D L N S V H V G G T N UniRef90_T0 T0 I F R F G H V P K S D Y E G E I H W A R M N K T S K F W Q F D L N S V H V G G T N UniRef90_T0 T0 I F R F G H V P K S D Y E G E I H W A R M N K T S K F W Q F D L N S V H V G G T N UniRef90_T0 T0 I F R F G H V P K S D Y E G E I H W A R M N K T S K F W Q F D L N S V H V G G T N UniRef90_T0 T0 I F R F G H V P K S D Y E G E I H W A R M N K T S K F W Q F D L N S V H V G G T N UniRef90_T0 T0 I F R F G H V P K S D Y E G E I H W A R M N K T S K F W Q F D L N S V H V G G T N UniRef90_T0 T0 I F R Y W Q L E L S G I K V G K G V S UN REFUNDA TO TO TO TO TO TO TO TO TO TO TO TO TO	UniRef90_M4EL25 UniRef90_UPI0002B424D5	L V F G G V D P K H F K G Q H I Y V P V I D K G Y W Q F D I G D I L I G G E I L
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, -	UniRef90_T0L0F8 UniRef90_UPI000455F00A	TYYGDIDTTNCGPVIDYQPLISANYWQFKMSGFVSG KVA ISFGSCNPDKYTGNFTYTAVSENGDWAIPLDGIAYDGQKS LTVGGIDATAYTGEVTYVPVMKQGFWQISVDSLTSSSSSK
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UniRef90_F8P5P7 UniRef90_I1NBM7 UniRef90_F6TIG0 UniRef90_H2L309 T_L_VT_EVN_H_E_L_Y K G Q F T Y T S V V S D G F W Q V N V D G L N V G G K R L_VF_G G V D P K H F K G N H T Y V P L T E K G Y W Q L E M G D F F V V S T G V R G L H S T P F T N S L H S V L Y R Y P S S F C W S L S L D R E L T T L H K L D 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 G M A V G S Q L S	UniRef90_F6TIG0	L VFGGVDPKHFKGNHTYVPLTEKGYWQIEMGDFFVVSTGV RGLHSTPFTNSLHSVLYRYPSSFCWSISIDRELTTLHKID DPKYYSGDFHYVNISRQAYWQIHMDGMAVGSQLS
UniRef90_H2L309	UniRef90_W6KY92	D P A Y Y S G D F H Y V N V S R S G F W Q I S M K G V S V G A E I L L I G G Y D P K L F K G D L I P V E V T S T T Y W T V D I S S V T I G N N V I L F V G G R N S K L F S G A V E F H N V S N T N M G F W Q I G N A S V S V G G K
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UniRef90_W1P191	UniRef90_W1P191 UniRef90_A0A059DED3	I VF G G V D P N H F I G E H T Y V P V T Q K G Y WQ F D M G D F L I K S T G F L V F G G V D S S H Y K G E H T Y V P V T Q K G Y WQ F D M G D V L I D G E T T V V F G G M D P K H F K G D H T Y V P I T R K G Y W O F D M G D V L I G N O T T
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250 260 270 28

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                                                                                                                                                                                                                                                                                                         P E D D P Y C I S
N V T E K L C Y G
N G R C ML A L F
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S G S G C S N I
D A G N G M V Y G
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G M Q S A E D L S V I V L G D I M L K A L Y L A F D L D K G R V G F A N K V
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160

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UniRef90_I4YC71 UniRef90_E3QIU6 UniRef90_P42211	FTLGEI DSSLYTGDI SYHDI IGEDWWRVKMTGIKVNGETV YNFGFLDTSEFTGDI NFI PANSTAGFWQFTAQGFGVGNGT LVFGGMDPKHYKGDHTYVPVSRKGYWQFNMGDI DGHSTGF
UniRef90_S8E1J0 UniRef90_E1ZR39	L V L G G V D P K H Y K G K H I Y V P V S R K G Y W Q F D M G D L D G E I S G Y L V L G G V D P D H F V G E H T W V P V T R R G F W Q F K M D G M E V E G G G E
UniRef90_UPI0003EBCE48 UniRef90_B6QWF0 UniRef90_N1QD75	V V F G G T D S T H Y T G T I T WI P L S S A T Y W Q I N M D S V T I N G Q T V V D F G W I D P K K Y K G Q I F W T H V D K S E G W K I S I D G F R I G R D H S Y E F G V I D E S K Y K G D I H Y V D V D N S Q G F W E F P V S G I R I G A N C F I L G G S D P A H Y D G N F T Y V P V T H K G F W Q F T M D K I E V N N I S L
UniRef90_E2AMQ1 UniRef90_I1LAZ3 UniRef90_C0SIP3	FILGGSDPAHYDGNFTYVPVTHKGFWQFTMDKIEVNNISL LIFGGIDPKHFKGDHIYVPVTKKGYWQIEMGDFFIGSTGV IVFGDIDKTKFTGEISYTQTLANVDHWEILLEDLVINDMP
UniRef90_Q29LF0 UniRef90_G9MS93	L L L G G S D P T L Y S G C L T Y V P L S Q V G Y WQ L T V G S L S L D T G S D Y T F G Y L D T D L V S S G Q D L A W T D L D N S Q G F W M S T S V N G K A L L M L V G R D K A Y Y K G Q L N W L P L S R V G D W H L N L D H L S M K G K L G D F M G F M Q A S W Q M T D V L P Q F G Q W T F W R L H L H S V N V G K H R N A
UniRef90_G3N0Z2 UniRef90_H3H240 UniRef90_B4LT44	LIML VIG R D K A Y Y K G QL IN WIL PILIS RIVIG D WHIL IN ID HILLS M K G KILIG D F M G F M Q A S W Q M T D V LIP Q F G Q W T F W R I H LIH S V N V G K H R N A L L L I G P S D P T IL Y S G C L T Y V P IL IS K V IG Y W Q F T V A S IL V L I G S S N K
UniRef90_J3PZJ4 UniRef90_UPI000455DD1C	LL LGPSDPTLYSGCLTYVPLSKVGYWQFTVASIVLGSSNK FTLGGVEKSLYTGDINYVPLSSKTHWQIPLDGLKFNGAPV FTMGGTNSSLYTGDIDYQNVPTTPTYWLQNIGSLSVNGNQ
UniRef90_G4N837 UniRef90_E5A7T3 UniRef90_B6QKT4	ILFGGI DTEQYTGTLQTVPIQPNGGRMAEFVSLTSASIGG YDFGYI DKSKYTGPI TYVNVDDSQGFWGI SATAYGVGGTT FDFGFI DSSKYSGEI VYKDVSSRGQWNVTLDGYSIGDTFS
UniRef90_M2N1P7 UniRef90_M5ES27 UniRef90_K7P8F2	L VE G CAPPNEY X K G N T V V P A K C X W C F M G D V C C C S T C F
UniRef90_S8EAV5 UniRef90_G4UTQ3	L VFGGADPKHFKGEHVYVPVTKKGYWQFDMGDVIVDGKEY LTFGGVDPSKYTGDITYTNLAKDNRWIIPLDGFGFGGKKV
UniRef90_H6C2U2 UniRef90_S3CSK7 UniRef90_T1I8P2	L VF GGADPKHFKGEHVYVPVTKKGYWQFDMGDVIVDGKEY L TF GGVDPSKYTGDITYTNLAKDNRWIIPIDGFGFGGKKV GKSFYTFGAVDQGAVQSSGQQISYVPVDNSKGFWMFDSPS YTFGYIDQDTITASGQWTPISSSSGFWQFTSAQSTVNGTT NDDFGGEIJFGGSNTNSIEPGMFWVIKVESISTSQQSTNW
UniRef90_M7X1X0 UniRef90_B8LKS9 UniRef90 UPI000455E3F6	L C F G C A D S A K Y T G Q L N Y V P V S A Q S Y WE L P A D G L S V D G Q V V I V F G G V D P N H F K G K H T Y V P V T R E G Y WQ F N M G D F L I Q S T G F L T V G G A D A D A Y S G D V T Y V P V T Q K G F WQ I K A D S L S V S S S S G I I F G G V D N A K Y T G S L T A L P I T S S N E L R V Q L S T I N I A G T T
UniRef90_Q5AEM6 UniRef90_M5GD64	SELCCINEDKFTGDLAWLPLQSKTWWTLGMTGLAVNTVGV
UniRef90_M0S3I8 UniRef90_D9IV26 UniRef90_UPI0004417ADF	SELCCINEDKFTGDIAWLPLQSKTWWTLGMTGLAVNTVGV VFGGADPNHYKGEHVYVPVSQKGYWQFNM YTYGGIDTANCGSHISYVPLSSATYWQFTMSGVSAG SYS FTMGFANNSLYVGDIDYQPVPSNAVSYWNITVQGEVINIP LVFGGVDPNHFKGEHTFVPVTRKGYWQFDMGDIDGQSTGF
UniRef90_W1P500 UniRef90_M5GD12 UniRef90_U6PRD9	FIFGHIVIDGNIVIRPWEIYIVIADNGWWEFFSRGII MII IGKKEYP
UniRef90_W9YYX7 UniRef90_C9SC16	VTFGAVDTAHCGQLLAYEPLTSKTHWQFATTSVKSG KYH SYKDKNDPDHGQSFYTYTPIDNSEGFWMFSPSVVINGVAL ISFGGVDTKKFSGDLHTMPLLGPQNGERLRRYWVQMDSSY
UniRef90_Q235M1 UniRef90_E3TCD9 UniRef90_R0F7F1	VTFGGYDDSKI VGQI EYFKTVQQNTWFVEFNDFEVDGVNV VLFGEI DTSYYTGSLYWI PLSSESYYQI AMDSVSLNGQTV LTFGGI DRSRFKGQHLYVTATEKYFFQMNNI LVGSQDTSV
UniRef90_K7H7Q2 UniRef90_F9WYZ1 UniRef90_E3MTF9	FTVGGLDTAHCDPNVNWVPLTSKTFWQIQLSGVSTSYSQS TFGYIDSYLRGEGQIHYAPVSSQGFWSVPSTSARVNDLEL LTFGGFDSKACDKNIQYLPLAEPGVWGFTVDSASLGIFSH
UniRef90_UPI00044091A8 UniRef90_F0UEQ3	FTLIGGTNSSLIFTGDII DFVNI PSGVTPSFWVTVQGNNVDI P FDFGFI DNDKYDGNI KY <u>T</u> PV <mark>H</mark> KGGFWSI T <u>S</u> TG <u>YVI G</u> NS <u>G</u> S
UniRef90_UPI0003504ECC UniRef90_C5MRP0 UniRef90_M4CPL4	I IT Y G A II D T K N C D A T V N Y V P L S A T T Y W Q F V M D G C E II G T Y K
UniRef90_UPI0004549494 UniRef90_UPI000455D077 UniRef90_E1ZVP6	HYAYARIEKTNQSPPTTNLRSRQPRLFVGCSVKIQGRVAF FTMGYVDTNLYNGDIEYHALTMSPSWWVLDITGINVQGKP DSAHYDGHLTYIPISQKGYWQFNMDKLVINNLNL
UniRef90_B6QD55 UniRef90_F9FM97	I M F G G V N K A R Y V G E L Q T L P V V P V Y N R Y Y V I V T T G H S K S S T Y T F G V I N K T A Y E G D I T Y T A V S S T G M W T F T S T G F A V G K G N I A S F G Y L D S S L Y S G D V T Y V N V D D N A Q Y W Q L K M A S V T V Q G T S
UniRef90_E6R4Z5 UniRef90_Q22972 UniRef90_C5FZ57	FTYGGLDKNH <mark>C</mark> GPVIGYAELTNARHFQFQATGFSLG SYV
UniRef90_R7T2B4 UniRef90_F7VVY8 UniRef90_V5FA51	Y S F G F I D T S V T S N P I T Y T S V D N S Q F W Q V P S A S W S L G G S K K S E V V F V N K D R Y T G K I T T I P L R R K A Y W E V D F D A I G Y G E D I A Y D F G Y I D N S K Y T G K I A Y T D V D N S O F W G F T A D G Y T V G N G O A
UniRef90_A0A016PKE8 UniRef90_D2DS76	LFGGVDEQHFIGDLVTVPIMKINDEYSEFYVKLQSINSG FTYGGYNTKN <mark>C</mark> GPVTSYQKLSSATYWQFKMDS IGYKDMV
UniRef90_J7RNV1 UniRef90_U9T5I1 UniRef90_B3LVR4	I L F G A V D H S K Y T G S M Y T L P I I N R L Q S Y G Y T T P I Q F D I T T I F T L G G V D E S K F T G K I N F N K V I Y P T S WQ I N I D D A I V D N Q P I R K F G G V D S T K F S G T L T Y V P L T H A G Y WQ F Q M D G V E I G G T V I
UniRef90_A0A016SSM3 UniRef90_UPI0002B4CE2F UniRef90_Q8IM16	YTYGGI DEKN <mark>C</mark> GE <u>VI</u> AYEPLSATTYWQFKMKGV <u>K</u> SG TYS IVFGGVDPDHYKGEHTYVPVTKKGYWQFDMGDVLINGSTT VGYITI GGI FSDFYFGPI TYFKINHDI YWOI DI DI HFGKY
UniRef90_UPI000383FE88 UniRef90_M5G6A2	V M F G G V D N S Y F H R D L K W L P V I Q P R Y W Q I M M N R V S M N G K I I L T F G G I D Q S R I T S D V T Y T P I T S T S P A S N Y W I D Q T I S Y G G Q Y E F G N I D P V K Y S G E L H Y I P V N S S S G F W Q F S V P S Y K V G E K I
UniRef90_N1PI22 UniRef90_F4WMF7 UniRef90_A0A022TNF6	Y E F GNI DPVK Y S GEL H YI P V N S S G F WQF S V P S Y K V G E K I Y M K R E Y D S S L Y V G K L T N V N V T R K G Y WQ F N M N K V Q L G N N T L Y D F G F I D K T K H I G D P S Y L P V D N S R WWE T T F N G F S T G P N D N L F G G V D T A H Y T G D L K T L P V Q K Q G S A Y S E F L I T L T K K T L S
UniRef90_N4V0S7 UniRef90_L1L8Z2 UniRef90_Q6CBB7	II IS E G SIVID P K YIV I IP G H WWE PIV VIS T D Y WEIL IGH IS SIL I LIGD E EIV
UniRef90_F4RD45 UniRef90_Q0JKM8	FLLGGIDHAKFNGSLTVLPLPSPDEFAVKY ENI I LDGKPKGFYSFGTVVEEEKLEYTPIDNSQFWAFPSEKAI I GDQTVLVFGGIDPNHYKGNHTYVPVTRKGYWQFNMGDVLI GGNSTYNFGFIDPTEFTGDLSFVDVDSSNGFWQFEASGFSLPAAN
UniRef90_G2R4N8 UniRef90_Q41713 UniRef90_U6PSJ4	IL VIE G G V D P A H Y K G E H I Y V P V I R K G Y W Q F D M G D V L I G G K P I IL T I C G M D E S R Y K G P IL V W F Q I T S F T Y W Q I Q I G G V A V D G Q P I
UniRef90_Q237C7 UniRef90_J4I1C0 UniRef90_L8FYN9	ATDKNSQLILIGGYDDQLISEDSINYFQVVSKSYWAIKMRS
UniRef90_P46925 UniRef90_K1WGG2	T G F L T I G G I E E R F Y E G P L T Y E K L N H D L Y WQ I T L D A H V G N I I N F G A L N K L N Y D G V L S Y N P V S P D A G G D W A I P I G N V G F G T T
UniRef90_A6R7J7	I VFGNVDPTKFTGDISYTKVPAVDHWEIPVDDMFVGGKPL

UniRef90_I1RQZ9	210 220 230 240 H K Y K Y S A [V D T G T T [L] L P D Y L V K F Y Y K K V K G A Y [D N D Y G
UniRef90_I4YC71 UniRef90_E3QIU6	FTPTMTIGVDSGTTL I GGPHDDI A KI WDAVEGA QESYA GY TAMPHQAI ADTGTTL ML LPDAI VKA YYSNI A GA K FDA TNG
UniRef90_P42211 UniRef90_S8E1J0	CAKGCAAII VIDSGTSII I IAGPTAII VIAQIVIN HAII IGA
UniRef90_E1ZR39	FCKGGCQI ADTGTSLLVGPPDV I DAI NAAI GAEPVLVEQC
UniRef90_UPI0003EBCE48 UniRef90_B6QWF0	A CS G G C Q A II I I D T G T S II I V I G P T T D II IN N II I N S W I V I G A S T D Q S G D
UniRef90_N1QD75	SPISFSAI VDTGSSINLFPEYVVKQYYKRIPGSYKSTYIFNGKCKSAI ADTGTSLLYLDSDVVSTYYAKVAGSQMWDLST
UniRef90_E2AMQ1 UniRef90_I1LAZ3	CQSSCQA ADTGMGETYGPTSDVKTINELIGTT NIDGM CEGGCAA VDSGTSLLAGPTTVVTE NHA GA
UniRef90_C0SIP3 UniRef90_Q29LF0	II KKNKKGI FDTGTSFILLVIPFNDAOILLHNFILIPDSIVIKDSFTN
UniRef90_G9MS93	LCSNCEAL DAGTSLIVVPSATLAAI NQRFGTAADKRDGV SQSGNSALADTGTTLALVSDEVCEALYNAIPGATYDDQQQ YSGGCEALVDTGTSLINGPTRLVTNLQRLICATPGPKYYL
UniRef90_G3N0Z2 UniRef90_H3H240	CADGCVAFIVIDSGISILIGILIPGILIVIDNEILIYEVALEAONOGCY
UniRef90_B4LT44 UniRef90_J3PZJ4	LCSKCEAI V DVGTSL I VAPRAAL QSI NAQL GLTEADKRDG DNQSDTVMI DSGTSL I GIPSHL VRAI Y QNV PGALGAYKGY VTIPTYAAI DTGTTL VGGPSSAI ANLFAQIPNSAPGTGSW
UniRef90_UPI000455DD1C	VTTPTYAAIDTGTTLVGGPSSAIANLFAQIPNSAPGTGSW
UniRef90_G4N837 UniRef90_E5A7T3	DKLALAVL L DSGSSLTYLPDDI VKNMYSAVGAQYDSNEGA TQRALSGI LDTGTTL VYTDTAI VKAYYAKVSGAKLDNIQG
UniRef90_B6QKT4 UniRef90_M2N1P7	A S D C F N A I V D T G T S L L L L D H E I V Q N Y Y A P I P S S Q F S L R H G T N N G N T A I A D T G T T L A L I S D A A V E A I Y N A I P G S K Y D N T Q Q
UniRef90_M5ES27	NGKS L I DSG I L I GP NQ RS L MQK L PN V MF SNH
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UniRef90_G4UTQ3 UniRef90_H6C2U2	TFQGRTTYIDTGTSFAFGPPADVTALHKLIPGSTTVDEVT
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UniRef90_B8LKS9 UniRef90_UPI000455E3F6	CSGGCAAI VDSGTSLLAGPSGI VAQINEAI GAS NASQFTAVVDSGTELILGPADAVDTFYKAVDGAKDNGDGT VSASTTPVLDSGTTLTYFSQTLADKLAAAVGAKWNSYYQL
UniRef90_Q5AEM6	VS ASTTPVLDSGTTLTYFSQTLADKLAAAVGAKWNSYYQL
UniRef90_M5GD64 UniRef90_M0S3I8	VPVGLVA ALDS GTSQLYVP MS AATAFYNQLP GAP QY GE GF
UniRef90_D9IV26 UniRef90_UPI0004417ADF	S N Q G W E V I S D T G T S L I G G P N D V V D A I A Q A I G A Q N D G Q G S S G A P S F S A I D T G T T L I G A P E E E L A T I F S K I P G A D F E G Y W T
UniRef90_W1P500	CADGCAAII IADSGTSILLITGPTTII VIAEII INHAII IGA
UniRef90_M5GD12 UniRef90_U6PRD9	RPPGNTALADTGTTLILIDDQAVQRIYSQLRGATLDHQEY STAKWAARSDTTNPFLEIPAPEAAAIADAHGAKFDNGRGH
UniRef90_W9YYX7 UniRef90_C9SC16	RNSSI PVEEDTGATUSYUPSGU JADUASDUGGRMDTSVNI
UniRef90_Q235M1	F S Q V N Y A L I D T S S P L F Q F N P N L A E K F Q A L L A Q R G I Y I G S D A C S G G C Q A I L D T G T S Y I V G P S S D I S N I N S W V G A T V D Q Y G D
UniRef90_E3TCD9 UniRef90_R0F7F1	CSRGCOMEMDSGNSNILHGPAALLIKELINRRILIGAAPNC
UniRef90_K7H7Q2 UniRef90_F9WYZ1	PSNGWQAAADTAASFIGAPKSVVSSLAAAVGATYVPLTGAALVGGSAIMDTGTTLCLIDDNTCKAIVEALPNSRYDYLFP
UniRef90_E3MTF9 UniRef90_UPI00044091A8	K Q S G K A II IS A S G S G W I GII IP D K F M P QIV I IK A I K A K Y D W N Y E IL I
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UniRef90_E1ZVP6 UniRef90_B6QD55	T NLPLAVSLDT GSSWSSLPEDLFKDLLGALNGT Y DDKNRA
UniRef90_F9FM97 UniRef90_E6R4Z5	TKTPITAIADTGTSLMFLPEQVNKAYYSQIDGARVDTTGY
UniRef90_Q22972	STTTYEVITDTATSFLCGPQAAIDNLAKAAGATWDPTNQV
UniRef90_C5FZ57 UniRef90_R7T2B4	ERSGNTTI LDTGTTLLLVSDDVVDAFYGAI DGAKYDDQQG
UniRef90_F7VVY8 UniRef90_V5FA51	D L J E G H G V I L J D T G T S L I A L P S Q L A E M L N A Q I G A K K S W N G Q F S S D Q I N G I A D T G T T L L M L P T E I V V I E A Y Y K E I V I D S A Q N S Q Q Y G
UniRef90_A0A016PKE8 UniRef90_D2DS76	SELVGEV V LD S G S T L T Y L P S S V T D S I Y Q L V G A D Y E E G Q T T E R N G WE A L S D T G T S V L G G P K N V L E P L V L K M G G W M O T Y C W
UniRef90_J7RNV1	T S T K M P A L L D S G T T M T Y L P S N L V S Q L A Q Q L G A S M S A R F G Q
UniRef90_U9T5I1 UniRef90_B3LVR4	SFILIGRS A II I DI I G I S NI LIMPENDA A SIVI <mark>H</mark> NILI I P G A K Y IV T D S K S R H R Q A I A D T G T S L L A A P P R E Y L I I N S L L I G G T T N N E Y L L
UniRef90_A0A016SSM3 UniRef90_UPI0002B4CE2F	QQKTWQVI SDTGTSLI AAPLAVAQSI ASKAGGKYDAQYGV
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UniRef90_UPI000383FE88 UniRef90_M5G6A2	CAHGCEAIV DSGTSLITGPPAQIRR LQEHIGATPSPEYAD ISPPVQAIIDSGTSLLYGPQSSIDQIYAQIPGSTSWSGAS CKKSCETIIETDAAIIIGPEKDIRFINELIGTNNHGEELV TNLPLAVSLDTGSSWSSLPEDLFKDIRFINELIGTNNHGEELV TNLPLAVSLDTGSSWSSLPEQVNKAYYSQIDGARVDTTGY VSLGSSNMIDTGTTLLIGGPEKDIRFINGTYDDKNRA TKTPITALADTGTSLMFLPEQVNKAYYSQIDGARVDTTGY VSLGSSNMIDTGTTLLIGGPESVVAAVYAQISGSQRMSGSY STTTYEVITDTATSFLCGPQAAIDNLAKAAGATWDPTNQV ENGTGTAILDTGTTLLILDEEVVKAYYAQVKGARYDASRY ERSGNTTILDTGTTLLILVSDDVVDAFYGAIDGAKKSWNGQF SSDQINGIADTGTTLLIWLPTEVVEAYYKEVDSAQNSQQYG SELVGEVVLDSGSTLTYLPSSVTDSIYQLVGADYEEGQTT FRNGWEAISDTGTSVIGGPKNVIEPIVHKMGGVWNQTYGV TSTKMPALLDSGTTMTYLPSSVTDSIYQLVGAADYEEGQTT FRNGWEAISDTGTSVIGGPKNVIEPIVHKMGGVWNQTYGV TSTKMPALLDSGTTMTYLPSSVTDSIYQLVGAAGKYVDTSK SRH RQAIADTGTSLLAAPPREYLIINSLLGGTTNNEYLL QQKTWQVISDTGTSLLAAPPREYLIINSLLGGTTNNEYLL QQKTWQVISDTGTSLLAAPPREYLIINSLLGGTTNNEYLL QQKTWQVISDTGTSLIAAPPREYLIINSLLGGTTNNEYLL QQKTWQVISDTGTSLIAAPPREYLIINSLLGGTTNNEYLL QQKCSECMIADSGTSLLAAPPREYLIINSLLGGTTNNEYLL QQKCSECMIADSGTSLLAAPPREYLIINSLLGGTTNNEYLL QQKCSECMIADTGTTLVLIASDAFQAYMQAIPGSKVDQNSGQ
UniRef90_N1PI22 UniRef90_F4WMF7	QKCSECMI ADTGTTL VYLDYPI VKAYYEQVKSVQYDMVHD
UniRef90_A0A022TNF6	STYRFKALV VDTGTTFMLLPRELTEQYYFSIITGSTFDRENG
UniRef90_N4V0S7 UniRef90_L1L8Z2	QKCSECMI ADTGTTL VYLDYPI VKAYYEQVKSVQYDMVHD CENDCQAII DSSNVRISGPPSAI AVINKYI RNSLNDPAVV STYRFKAVVDTGTTFMLLPRELTEQYYFSI TGSTFDRENG EDMALAVL LDSGSSLTYLPDDMVTTIFSMVGAVYQQDEGV VNGKCNAAI DTGSSLISGPSSI I LPL LDKI DVYE I AKPGYTVLDSGTSFSYI PETVYNTI AKKHNLGDVTFFGL ELKSNSAI ADTGTTLALVSDDVVTALYKAI PGAKLDNNQY GFCGCAAI ADSGTSLLTGPTAI I TQI NEKI GAT STGGHTAI ADTGTTL MILPAAI AEAYYARVAGAQNNTQNG
UniRef90_Q6CBB7 UniRef90_F4RD45	LAKPGYTVLDSGTSFSYIPETVYNTIAKK <mark>H</mark> NLGDVTFFGL
UniRef90_Q0JKM8	GFCGCAAI ADSGTSLLTGPTAI ITQLNEKI GAT
UniRef90_Q2R4N8 UniRef90_Q41713	GY CGCA A LADS GT SLLAGPTALITMINHAL GAS GVMS QEC
UniRef90_U6PSJ4 UniRef90_Q237C7	GYCGCAAI ADSGTSL LAGPTAI ITMINHAI GASGVMSQECTYEPTSAI VDSGTSL I AGPPSAI QMI QQQI GADEYARYNKQDI FDTGTSL I HMPTADYQAFNRTVKGCFEFGL I RRAKNTAI LDTGTTLCL LHDDVVEDIYHHI SGSRYSNSRG
UniRef90_J4I1C0	RRAKNTAI LDTGTTL <mark>C</mark> LLHDDVVVEDITYHHI SGSRYSNSRG S <u>S</u> AGYTAI <u>A</u> DTGTT <u>LLLMG</u> DEQVTNY <u>Y</u> NNV <u>PGS</u> RLDN <u>N</u> QY
UniRef90_L8FYN9 UniRef90_P46925	MLEKAN <mark>C</mark> I VDSGTSAI TVPTDFLNKMLQNLDVIKVPFLPF QSNGRLAFIDTGTSFIF <mark>C</mark> PPEDAKTFHALVPGATSTNNVT
UniRef90_K1WGG2 UniRef90_A6R7J7	QSNGRLAFIDTGTSFIF <mark>C</mark> PPEDAKTFHALVPGATSTNNVT NFQGRNGLFDTGTSF <u>V</u> LMPLADAQRLHDAIPKA <u>V</u> KTWEAN
····· (0100_/ (01(/ 01	WEAN

	250 260 270 280
UniRef90_I1RQZ9 UniRef90_I4YC71 UniRef90_E3QIU6 UniRef90_P42211	VWVFPCTAKLPSFYFGFGNYRKVPGHYINYGRLTSTVCYGWFYPCDANPNIEIEIDGTTYAVNPEDLKFNRASSGTCQGAGFVFGCQQDIPSFTLDLGTYKAVVPGEFIKFAPTSSMCFG
UniRef90_S8E1J0 UniRef90_E1ZR39 UniRef90_E01203EBCE48 UniRef90_B6QWF0 UniRef90_N1QD75 UniRef90_E2AMQ1	KEMVHQYLPEI ATVNCQNIPSMPDVTFTLNGNAFTVPASAYVSQSSSGCMT PCTQTSVIPDLSLEIGQHLAVIPGQ LLKYSSNRTHCFG YIYPCDPDLSLDFGGHYITIKGEKMTYLAFTGAVNDQCMG ERVNCSRIPELPFILGGKAFNLTGKDYIIQFPDEGNTSCS
UniRef90_I1LAZ3 UniRef90_C0SIP3 UniRef90_Q29LF0 UniRef90_G9MS93 UniRef90_G3N0Z2 UniRef90_H3H240	F D P C S T K A K E LA S G V R Y T S P K D Y V G D S S N S M C R S R Y T S C D K V S S L P A L T F N L G R R D F T L P A S S Y L L N Y D G T C V S G Y V F V S S L P E F K V S V G D T Q F V I Q P E D L A F A P A D D N N W Y G S C S T I N T L P S I I F T L S G I N Y P L P A R A Y I K D S R G H C F S T F R C G F V Q Y G F Q C F P E D F P P L R I G V G G H H Y Y V L E G S D Y T L C C I
UniRef90_B4LT44 UniRef90_J3PZJ4 UniRef90_UPI000455DD1C UniRef90_G4N837 UniRef90_E5A7T3 UniRef90_B6QKT4 UniRef90_M2N1P7	AYVPCDQANSLTFSFSGIPIVVPMNELVRPSFRNGVPACLGYVFPCSATLPNFSITVGQVVPGKHINYSPVDSSGTTCFGGWIFNCADDIPTFTVKLGPLDVVIPAEYLNYGSLGTSCYGGYLIPSNIPTVSVAVGGQQFTINKFNFIFADAGNGMT
UniRef90_M5ES27 UniRef90_K7P8F2 UniRef90_S8EAV5 UniRef90_G4UTQ3 UniRef90_H6C2U2	GRFPCNKPPKVTFNFGGKDFSLGKDQLSYGKSGNECVLSL WYVPCSDSP
UniRef90_S3CSK7 UniRef90_T118P2 UniRef90_M7X1X0 UniRef90_B8LKS9 UniRef90_UP1000455E3F6	GWYPENTPPVVTIAVGQHQVIIQKEDLGFASVGDGNVYG DCNYINSLPSVTFAINGKDYILKGENYVNKVTENGQFCIV QYHVPCVSTFLSFGGQTYNIPLSDVFLGYASASTTSECIL YAVPCQASFNATITLGGTAFPLAAGTLVLKQDDGTCVGAV
UniRef90_Q5AEM6 UniRef90_M5GD64 UniRef90_M0S318 UniRef90_D9IV26 UniRef90_UPI0004417ADF	YTSSCNLAGNIVENFA KGVTISVPLSEFVLQDGNSCYFWTFPCNSRLNLTISFDAVPFDIDLSDFNLGKTTQSSTDCFYNKCSGNPDIVLTIGGNQYALKEHNYLLGDGTNCQLGFFYPCNTSVNVELSFGGRSWGIDPADFRLTQLSEDRCLGAFF
UniRef90_W1P500 UniRef90_M5GD12 UniRef90_U6PRD9 UniRef90_W9YYX7 UniRef90_C9SC16 UniRef90_Q235M1	ILPSDSQPPELYFACGDRYFGISGQDLMFAPCNRKGYSFG YVIDCHVEASMELLIGQRKYTIEAKNFVVSTPDRCVLALK GWVFPENLPTVSFAVGSKQIVIEKEH LSFAAYNSTMVFG YIVPCNMEGSIDFTFDGYTVKVPLEEFIWDVGQNT CVL NQIPCNSDPTLAFTLRNTQFEVEPSFYLIQSSNLSNVCYL ASVNCNNIQSMPSITFTLNGYTFTISPSSYVSQTSYGCNT
UniRef90_E3TCD9 UniRef90_R0F7F1 UniRef90_K7H7Q2 UniRef90_F9WYZ1 UniRef90_E3MTF9 UniRef90_UPI00044091A8	Y F M D C D A V V P D I V F T I G G S S F S V S S R D Y I Y R V T K N K C T S Y F M D C D A V V P D I V F T I N G N T Y N M P S T S F V V S A G P G P C M F A T S H S L D K I P V V K F A I G N D L F T I H K Q D I A F A D A G N G M T Y G Y Y V P C S T H P D I K L H I G G N V Y Y I T S A E Y V L D I G L G N D K C V L F S F P C D T T V T V S L N F G S R T W A I S N A D F N L G A I D R A G D Q C L
UniRef90_F0UEQ3 UniRef90_UPI0003504ECC UniRef90_C5MRP0 UniRef90_M4CPL4 UniRef90_UPI0004549494 UniRef90_UPI000455D077	TVRCGSVLPDIVFVIAGTPFPLPSQFYVLQMEDGS CMS YTVNCNAQPPLVLKIGGQTYSIPSVEYVLDLSLGGGKCGI KLSEV ISFTIAAKTFTLTPRDYIERKNGKCKSVFS DCRRVSSMPHVTFTIGHREYTLSAEKYLIKETKEETVCIS
UniRef90_E1ZVP6 UniRef90_B6QD55 UniRef90_F9FM97 UniRef90_E6R4Z5 UniRef90_Q22972 UniRef90_C5FZ57	NCSQLSELPTIQFLSGDKAFNLTSKDYIFQLTNETLCTCGAYVSCDTDYNVTFSFSGAKIDVGLNQLVFAATEAGWPCLLVFPCDTKMPDFTFYMGETGITVPGSYMNFAPKREVGTCYGSSYPCNTTVDFEITFGGYTKVDQANNVGLKSDTNSGCT
UniRef90_R7T2B4 UniRef90_F7VVY8 UniRef90_V5FA51 UniRef90_A0A016PKE8 UniRef90_D2DS76	A G WV Y P C N A S M P S L F L A V G H D H M A F Q N Y G P G P D G T D V C Y G G Y I F P S T I P D I E F A V G D Q L I Y K V N P Q D I T F G D A G N G Y V F G T I D C A K K T K E V T F T L A G Y N F T L A P R T T S W R P P V A A C R P S W G Y V F P C S T S L P D F T V A I G D Y N A V V S I N Y A P V T D G S S T C F G A Y V P C D L A N T V P L S E L I L D F T D I T G R Q M S F T N G Q A A C S Y T I P C G T N T G F L Q F K I G S T V Y D I A T S D I E S V I R K C M L N M L
UniRef90_J7RNV1 UniRef90_U9T5I1 UniRef90_B3LVR4 UniRef90_A0A016SSM3 UniRef90_UPI0002B4CE2F UniRef90_Q8IM16	YVLPCSNVPNMHLVYDFGGFHINSNLTNYIVQASQTLCILLYIIPSNSTTIISFKIGGIVYPIQSKDLCISPVDSFHCISNCSGLDKLPEIVFIIGGQRFGLQPKDYVMQTDDDGTSVCLYFVECDAKPSLELTIGEKNYEISAANFVVPSGDRCLLAIF
UniRef90_UPI000383FE88 UniRef90_M5G6A2 UniRef90_N1PI22 UniRef90_F4WMF7 UniRef90_A0A022TNF6	MMS CNDATNLPPVIFTIHCTDFPVSPKYYIQKISKSLCFS LLEVPANQTTFKFTGTDQLLDQSLNEQFGGTRNAYYSIVS AWLYDCNETLPDLGLNIGGYMATIKGDDLKYAEQEGQCIA HCKQIYKLPDLYFIIGGKVFELTSEDYIKSTLSYDPSCIS WIFPCNATLPEFALHINDYKAIVPGEHINWAQIPGTNICF AFIPCSAANNMTFTFSDPVITVPMDELVRIAFSNGVDACL
UniRef90_N4V0S7 UniRef90_L1L8Z2 UniRef90_Q6CBB7 UniRef90_F4RD45 UniRef90_Q0JKM8 UniRef90_G2R4N8	PSIDCKANVSLDFEFDGVTIHAQREQLI DPGIGFCFFG VYPVGAKVPDIQLAVGDKMYTIYGKDLAYGAPEKGMV FG GWVFPCNAALPALTLHIGTYRIKYAPADTDSFETATSCFG
UniRef90_Q41713 UniRef90_U6PSJ4 UniRef90_Q237C7 UniRef90_J411C0 UniRef90_L8FYN9	KTVVAEYGQTI GGIDCSTIPQLPPIAFIINGTMILRGYNYVIQYDDGSCTS CVCNQKQIPNFPTINNDQIINILPEYYIMYQDGFCVYLVA GWLYPSHIPFISIAVGHTMYRINFVDFGYSDAGOGYT MG
UniRef90_P46925 UniRef90_K1WGG2 UniRef90_A6R7J7	VFPCSATLPSLSVALGDAGDAV IPAKYLNFGPHSDTDCFG YVTLCNNSPTFEFTSENGKYTLEPEYYLQHLEDVGPGLCM YTVPCTTTTFMTFTFGDTTYNVDPQDWVSPTADGVCTSNL WDLPCSTTTKLELVVSGVKYNLSPKDYVGDTTTTDGMCRS

	200 200 210	
UniRef90_I1RQZ9 UniRef90_I4YC71 UniRef90_E3QIU6 UniRef90_P42211	GIQTSEGIGFAILGDILLKAQFVIFDLKGNRVGFAIFALTSGSTTWVLGDTFMKNYYTVFRHTPASVGFAQGLQSVGTLPFAIYGDVFLKSQFVVFHGGKNQLGFATK	
UniRef90_S8E1J0 UniRef90_E1ZR39 UniRef90_UPI0003EBCE48 UniRef90_B6QWF0 UniRef90_N1QD75 UniRef90_E2AMQ1	G F G Q G G T M Q L W I L G D V F I R E Y Y A V F N A Q S Q N I G L A K S A G I Q S P H P S L N V L G D V F L K G H Y V I F D S T N P W I G I A P Q A G L Q A G P S G L Q I V G D V F L K Q V F A V F D G G N M R F G V A F L G Y D F K E F N W E L G V A F I G I V F T	A A
UniRef90_I1LAZ3 UniRef90_C0SIP3 UniRef90_Q29LF0 UniRef90_G9MS93 UniRef90_G3N0Z2	VGHQPFEADEWLGAAFLKNVYI VFDFDDNRIGLAK GFTSLSDGGNWVLGDVFLGPLYI EFDMEYKRIALAPK GIQSRGTNPFDILGDVFLKSLYAI FDQGNQRFGAVPK GTEEDNNSETWILGDIFLRLYFFVYD VLVQPSGQEMWVLGDVFMKKFYSLYDVKKKQMGFA	
UniRef90_H3H240 UniRef90_B4LT44 UniRef90_J3PZJ4 UniRef90_UPl000455DD1C UniRef90_G4N837	G F I SEIDDGNI WV LGDVIF MGPFFY MEFDMEYKRVIGII APK G A L F S T S NVN WI V G A S F L R NVY A V F S S S P A I G F A MP /	Α
UniRef90_E5A7T3 UniRef90_B6QKT4 UniRef90_M2N1P7 UniRef90_M5ES27 UniRef90_K7P8F2	F G V A P A G K G T N V L G D T F L R S A Y V V Y D L E N N A I S L A Q G I Q T N D G L G M S I F G D I F L K S K Y V V H E A A P P R I G L A Q S G L Q C S P H N S Y G I L G D V F L K V L Y V I F D D G S P R V G F A K Q G I Q S R G S N P F D I L G D T F L K S I Y A V F D Q G N T R F G V G Q D G M P L N A W I V G D S F F Q T V S V V F D Q D N N R V G F A P Q A	A A
UniRef90_S8EAV5 UniRef90_G4UTQ3 UniRef90_H6C2U2 UniRef90_S3CSK7 UniRef90_T1I8P2	GREVVANGWL LGDVFLKNVYSVFDVDKKRIGFAAK GIQSQGSLGFSIFGDVFLQSVYAIFDAGNMRFGVVQRA GLQSRGNLPFDILGDTFLKGIYAVFDQGNKRFGFVQRA GFTYVNNDGFWIFGDIFLRNVYTIFNVQEKTVTFA GIYDADGNAVAIVGDLFLKTVYSVFSYGNPAVGFAPS	V A A
UniRef90_M7X1X0 UniRef90_B8LKS9 UniRef90_UPI000455E3F6 UniRef90_M5GD64 UniRef90_M5GD64	SSGGAATSSHWVLGEAFLRNVYSVFSYGNPAVGFAPS SSGGAATSSHWVLGEAFLRNVYSIFDFSKAQIGFAKLA GVSRDSATI LGDNFLRRAYAVYDLDGNTISLAQVI GFPEELPSNFAVIGAGFLKSWYALFDYQNGRLGFAKS	Α
UniRef90_M0S3I8 UniRef90_D9IV26 UniRef90_UPI0004417ADF UniRef90_W1P500	G Q D S G G Y G P A WI L G D P F I R Q F C Q I Y D F G A Q R I G F A N A A L T T E G D G P S WI I G D T F L K N V Y T V F R Y Y P T S V G F A	
UniRef90_M5GD12 UniRef90_U6PRD9 UniRef90_W9YYX7 UniRef90_C9SC16 UniRef90_Q235M1 UniRef90_E3TCD9 UniRef90_R0F7F1	PIQSRGSNKQDILGDVFLKRVYAVFDARKPRIGFGQPLNTMTFGYVMSLGVPFHRQFCTVHDFGNERLGLAGLQSQGNLNFNIFGDVFLQGVYAVFDAGNKQFGVVQRAGADSADDGSYILGDSFLRSVYTVFDMDTPALHFAPYVYGDCQGPALVVGSQFIKKYLTIFDYEQKTIGLARSGFS GSGDSLWILGDVFIRNYYTIFNRQTNSVGLAQLARFVETND IYWTLGMPFMRAVHTVYDFTTEKIGFAKSA	Α
UniRef90_K7H7Q2 UniRef90_F9WYZ1 UniRef90_E3MTF9 UniRef90_UPI00044091A8 UniRef90_F0UEQ3 UniRef90_UPI0003504ECC	FYDLTAGGFYWMLGPPFMRAYCHVHDMQAGRLGLAKAGIQSRGNLSFSIYGCSVLKGMYAIFDQGKQRFGWVQKAIFVDTGEADWILGDAFIRRYCQIYDFGNSRMGLSKGIDPSSNVPSWVIGDTFLKNVYSVFRSSPPSVGFAQSLQVA	
UniRef90_C5MRP0 UniRef90_M4CPL4 UniRef90_UPI0004549494 UniRef90_UPI000455D077 UniRef90_E1ZVP6 UniRef90_B6QD55	GFQVTPSGQLWILGDVFMAEFYCVFDRGNDRVGFARSI	V
UniRef90_F9FM97 UniRef90_E6R4Z5 UniRef90_Q22972 UniRef90_C5FZ57 UniRef90_F7T2B4	FLGLKIPGIK WILGSSFIGRYYTEFD MKNNRVGFALAIGLTPSQPGINILGSSFIGRYYTEFD MKNNRVGFALAIGLTPSQPGINILGSSFIGRYYTEFD MKNNRVGFALAIGLTPSQPGINILGSSFIGRYYTEFD MKNNRVGFALAIGLTPSQPGINILGSPAKKGAFVVFDAEKTRIGFAKKGAVYSSSPVQWIVGDAALKNTYTVFRYSPAAVGFAAAIYAGFGPSWILGGPFMRQYCNVHDIGQKRVGFGLQSNNAGGIQILGDVFFKALFVVFDYRGPSVSLAPH	А
UniRef90_F7VVY8 UniRef90_V5FA51 UniRef90_A0A016PKE8 UniRef90_D2DS76 UniRef90_J7RNV1 UniRef90_U9T511 UniRef90_B3LVR4 UniRef90_A0A016SSM3	E WI C P P Q L V P W G	A K A K
UniRef90_UPI0002B4CE2F UniRef90_Q8IM16 UniRef90_UPI000383FE88 UniRef90_M5G6A2 UniRef90_N1PI22 UniRef90_F4WMF7	LPVDIDDNTFILGDPFMRKYFTVFDYEKESVGFAVAI SFQGGTENMTWILGDVFLRAYFSVFDRSKNRIGLAPA DLGSESGQGLDFLGYFFLERFYSVYDTTNRRVGFATT	K A A
UniRef90_A0A022TNF6 UniRef90_N4V0S7 UniRef90_L1L8Z2 UniRef90_Q6CBB7 UniRef90_F4RD45	PFVNNNDGPTWVLGNQFLHRYYTKFDGGEERFGIATK QFFVNNNDGPTWVLGNQFLHRYYTKFDGGEERFGIATK GGIQPVDHSPAVLGGSFLKSQFVIFDHDGPKMGFA FGIAPAGTGTNVLGDTFLRSAYVVYDLDNNEISLAQ GIVNMDIPKKFVLGATFIRRYLAIFDRDYMAVGLVPA VLPSTYSQNITLFGDTFLRNAYVVYDLEDLQIGIAQA GIQSRGSNPFDILGDIFLKCVYVVFDQKNVQIGMAQ	V
UniRef90_Q0JKM8 UniRef90_G2R4N8 UniRef90_Q41713	G L Q T M Q G V P F A L Y G D L F L K A Q F T V F D F D G P K L G F A P K	
UniRef90_U6PSJ4 UniRef90_Q237C7 UniRef90_J4I1C0 UniRef90_L8FYN9 UniRef90_P46925 UniRef90_K1WGG2	GFQ EFPDMGINNMWILGDVFMRQTYNIFDYDRQAIGI GVQSRGDLTYDIFGDVFLKSVYVVFNQVEKMVGVAQ SLQSSGNGQQNVYGDVFFNAFYGVFDASGPRFGFAATA IIGLDFPVPTFILGDPFMRKYFTVFDYDNHSVGIALAI FGQAVTPGNWLLGDTFLKNVYTVFDVDQDRVGFAP KIVQPFEDNEWLLGATFFKNVYAVFDFDEDRIGLAMRA	A K
UniRef90_A6R7J7	K L V Q P F E D N E WL L G A T F F K N V Y A V F D F D E D R I G L A M R /	Α

UniRef90 UPI0003C19463	1 10 20 30 4 SKSDVAALRSYSQMFYMGNITIGTPPQEFQVVFDTGSPDL
UniRef90_K2S322 UniRef90_UPI0004413C31	S S P L VN N S D S T Y Y G T L S I G T P P V P F N V I L D T G S S D L VA A L P E E F D S E Y L C P V Q L G T P P Q T L N L D F D T G S S D L
UniRef90_W3X5F3 UniRef90_G7YJR8	
UniRef90_Q9XFX4 UniRef90_A0E8Q0	S G S G I VALT N D R D T A Y Y G E I G I G T P P Q N F A V I F D T G S S D L N Y Y N I Q Y Y G L V K I G T P P Q E F T V I Y D T G S G E L VA N V R L T N F S D A I Y T A P I T I G T P P Q S F N M L M D T G S G D L G A V T N R P I D D D A E W L T P V Q I G N P P R T F Q M D L D T G S S D Y
UniRef90_E3KBY4 UniRef90_A0A016Q3R6	GAVTNRPLDD DAEWLTPVQLGNPPRTFQMDLDTGSGDL
UniRef90_C3YN54 UniRef90_C3YN54	C W G F T C W G
UniRef90_C3YN54 UniRef90_K3WP14 UniRef90_G1XNW5	IPLVNFMEFQFFGPVTIGTPPQEILV <mark>C</mark> FDTGSSDL TVESVINNEYLGYYIDVEVGTPPQKIRLVLDTGSSDL PLKNYLDAQYYGDISIGSPPQNFTVIFDTGWVPS
UniRef90_S4TA51 UniRef90_S4TA51 UniRef90_C5FEK4	PLKNYLDAQYYGDUSUGSPPQNFTVIFDTGWVPS
UniRef90_C9DEC9 UniRef90_UPI0003D6EBD1	LQTGTDFSYFAQVELGSKNDPLLMLLDTGAGTS SDTDIVALNNFMDAQYFGEVSIGTPSQTFTVLFDTGSSNL
UniRef90_Q01972 UniRef90_M4BLM8	S D T D I VALN N F M D A Q Y F G E V S I G T P S Q T F T V I F D T G S S N L S G S A I T T P E A D D V E Y L T P V T I G S S T L N L D F D T G S A D L V P L E N F M E F Q F Y G P L T I G T P P Q E L L V C F D T G S S D L
UniRef90_U7Q7L7 UniRef90_B9S023	DVEYI <mark>C</mark> EVSIGTPPQKLQLDFDTGSADL VVYLKNYLDTQYYGEVAIGSPPQTFTVVFDTGSS <u>NL</u>
UniRef90_UPI0003EAB8D5 UniRef90_F2VJ74	TVESGVAVGSGEYLVDVYVGTPPRRFQMI MDTGSDLN LVSLKNYLDAQYYGEI GVGSPPQKFKVI FDTGS <u>S</u> NL
UniRef90_UPI00038EFFA5 UniRef90_E1GIM4	S D T D VALNNFMDAQYFGEVSIGTPSQTFTVIFDTGSSNL SGSAITTP EADDVEYLTPVTIGSS TLNLDFDTGSADL VPLENFMEFQFYGPLTIGTPPQELLVCFDTGSSDL DVEYICEVSIGTPPQKLQLDFDTGSADL VVYLKNYLDTQYYGEVAIGSPPQTFTVVFDTGSSNL TVESGVAVGSGEYLVDVYVGTPPRRFQMIMDTGSDLN LVSLKNYLDAQYYGEIGVGSPPQKFKVIFDTGSSNL GPFFVPLSKFLNVQYFGEIGLGLGTPPQNFSVVFDTGWIPS MEYAGNISLGLPKQTFLVILDTGSSNL ASTSAIPLINNADALYLGNVDVGTPKQSFQVVLDTGSSDF DGTDFSYTTSVFVGSKNKRLRMLVDSGAAST ANGSVTATPEQFDAFYLCPVTIG GQTLNLDFDTGSSDL TVSMTNQQADTSYLGVIQVGTPPQAANVVLDTGSADL
UniRef90_UPI00032ABE03 UniRef90_K5X0Q6	T DIL VALLKNYL DAQYYGEI AI GNSPQKFTVI FDTGSSNL ASTSALPL INNADALYL GNVDVGTPKQSFQVVLDTGSSDF
UniRef90_L8G7H2 UniRef90_V9DJG3	ANGSVTATPEQFDAFYLCPVTIG GQTLNLDFDTGSSDL
UniRef90_G4TIV5 UniRef90_A8XV46 UniRef90_U6PWY7	I WS MINQQADISTEG <u>VIQU</u> GIPPQAAN <u>VVE</u> DIGSADE
UniRef90_00FW17 UniRef90_R7S8Y4 UniRef90_B0DIF8	DASYSGQVSTGTPAQDFLVILDTGSADL STGTNLITNQNSDSSYFGSLAIGTPAVSFDVLLDTGSADL
UniRef90_W6PUJ8 UniRef90_F4R9B9	DGTDYSYFSPVLVGSQKQEMWMAIDTGAPNT LALENVDNME <mark>C</mark> YGVVELGTPKQKLPVLLDTGSDTF
UniRef90_A0A016WR71 UniRef90_I1KNG0	T DI WALK N VID A O V V G ELIALIGT S P O K E TWIE D T G S S NI
UniRef90_G2QN49 UniRef90_A0A034VH32	DYSYFIKVLVGSAQQPIFMLLDTGAANT ATEQLDNSLNLAYYGKITIGTPPQEFLVLFDSGSSNL VPLHNFMDAQYYGEVSLGTPQQYFQVIFDTGSSNL SGSVKASPEQFDQSYLCPVTVG GQTLNLDFDTGSADL DGTDYSYFLQVSLGSKGTKLYMLVDTGAGSS
UniRef90_D8TZV5 UniRef90_F9X2B9	S G S V K A S P E Q F D Q S Y L C P V T V G G Q T L N L D F D T G S S N L S G S V K A S P E Q F D Q S Y L C P V T V G G Q T L N L D F D T G S A D L
UniRef90_G3J729 UniRef90_E2RZS1	
UniRef90_G4UBD0 UniRef90_M3A2P3	T LAT D P E K H D V E Y L T P I S V G T P S Q D L M V D F D T G D L W V F D Q A Y L C P V T V G G K T L N L D F D T G S A D L Q P L E N Y L D A E Y F G T I G I G T P A Q N F T V V F D T G S S N L D S S Y L G S L A V G T P P T S F E V I L D T G S S D F
UniRef90_UPI00045E2A0F UniRef90_UPI000455EF0B UniRef90_UPI0002742AD4	DSSYIIGSLAVGTPPTSFEVI LDTGSSNE
UniRef90_UPI0002742AD4 UniRef90_UPI000333F241 UniRef90_V9LTR2	GPFFVPLSKFLNVQYFGEIGLGTPPQNFSVVFDTGSSNL VVI HDYLGVQFYGAISLGTPAQEFQVIYDTGSSNL PQGVKDVGDSEYLGVITIGKPYQTFKVALQTGTSSL
UniRef90_G0NHF7 UniRef90_B4MW46	PQGVKDVGDSEYLGVITIGKPYQTFKVALQTGTSSL LEAL LNAYNTEYSGNITIGSQSFKLLLDTASANLWV
UniRef90_A8WQ81 UniRef90_K5W533	QIV LIY D TILID F Y YILIA TIVITILIG T P A Q T F NIVIA IVID T T S S NIL
UniRef90_A0MQA4 UniRef90_C7YWN9	S S G T N M M V N Q G G D S S Y Y G T M S L G T P G T S F N V I L D T G S S D L Y Y G E I S I G S P E R A F K V L F D T G S C E F S E S T F E E V V E N K R S S Y F S E L A V G N P P Q N I T L Q L D T G S S D V
UniRef90_F9F8A2 UniRef90_E3L1T6	
UniRef90_Q7XB41 UniRef90_A0D1R0	LERLTNQGNQMWTGLVKIGTPSQTFSVDFDTGDFWVVTLKNFMDAQYYGEIGLGTPPQLFNVIFDTGSANLTSLKLHNFKNTQFTGPITVGD QEFQVIFDTGSANFDSEYLAPVGVGTPVQTMNLNFDTGSSDLSNLTIHPLRNSMDMKSEPSLIIRTPPQEFQVIFDTGSSDLSGQVPAEDLQN DSLYLCEVGIGTPAQTLKLDFDTGSSDLGSATTSPEANDVEYLTPVQLGTPAQNLVLDFDTGSSDLGSATTSPEANDVEYLTPVQLGTPAQNLVLDFDTGSSDL
UniRef90_N1PUI9 UniRef90_M0QW02	SNLTIHPLRNSMDMKSEPSLIIRTPPQEFQVIFDTGSSDL
UniRef90_K2R7K4 UniRef90_C9S7L8 UniRef90_J9I4J0	GSATTSP EANDVEYLTPVQIGTPAQNLVLDFDTGSADL LQNVYNFNYYGPIFMGSNSQQMNVVFDTTSDWL
UniRef90_391430 UniRef90_M7BRZ9 UniRef90_A0A016V970	MSYYGELSUGTPPQNFLVLFDTGNLWV
UniRef90_G3SFP5 UniRef90_Q6CCJ3	VALALK NPPGTYYRAKVSLGTPAQVENVLEDTGSSDL
UniRef90_Q56CZ1 UniRef90_E9E571	VALALK N P P G T Y Y R A K V S L G T P A Q V F N V I F D T G S S D L T I P L N Y T Q L Q Y F G N I T I G T P P Q T F R V I F D T A S N L T T V N A T L D N L Q S L Y F L N A S L G T P P Q S V R L H I D T G S S D L
UniRef90_G3JT75 UniRef90_F1MPH2	T V N A T I D N L Q S L Y F L N A S L G T P P Q S V R L HI D T G S S D L V T A E D Q Q N D S E Y L C E V S L G T P P Q K V L L D F D T G S S D L T S P P Q T T WMS F Y F G E I S T G T P P Q N F V L F D T G S S N L T G T V S L T D G L D A S Y A G Q V S L G T P A Q D F L V I M D S G S S D L
UniRef90_Q5KFP9 UniRef90_W2TU21	T G T V S L T D G L D A S Y A G Q V S L G T P A Q D F L V I M D S G S S D L
UniRef90_B6QEV4 UniRef90_J9J0X0	NDTMYLAQVGIGTPAQTLKLDFDSGSADL TKTLEDFDVQLFSTLYLGSRQEEKNVIFDTGSAWI NGGTLYAGAATI GTPAKSFLLDFDTGSSDL VVALKNYHNAQYHGEI GI GTPAKSFLLDFDTGSSDL GANPHGPTPGVDTSYLCEVSI GTPPQNFTVIFDTGSSNL DSSYIGTVQI GTPPQTFKVVLDTGSSDL AVIYLKNYLDTQYFGEI GI GSPPQTMTVVFDTGGSNL LKNYFDTQYFGEI GI GSPPQTMTVVFDTGSSNL AKTTYEEVISNDRSEYFTEVTI GNPPQNI TLQLDTGSSDL GAGVPI VNQNGDLAYYALMNVGTPPVAYGVALDTGSSDL GAGVPI VNQNGDLAYYALMNVGTPPVAYGVALDTGSSDL ASSAAVPLTDQNDSSYSGQVSI GTPAQTFNVI LDTGSSDL YIGDLYMITVQI GYPAQSI TLSI DTGSSDL YOREYLSPVYVGEPGQLCWLDI DTGDLWL SENLTNYKNI LYYGI I RI GTPQQEFKVMFDTGSADL
UniRef90_G0SZ32 UniRef90_M7YUQ6 UniRef90_G3 IOR5	NGGILIYAGAAII GIPAKSFII LIDFDIGSSDIL VVALKNYHNAGYHGEIGI GTPPQNFTVIFDTGSSNI GANDUGENGAN
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UniRef90_UPI000455D187 UniRef90_M7TLH7	ASSAAVPLT DQNDSSYSGQVSIGTPAQTFNVILDTGSSDL YIGDIYMITVQIGYPAQSITLSIDTGSSDL
UniRef90_U7PIY7 UniRef90_E2AUX5	Y D R E Y L S P V Y V G E P G Q L C W L DI D T G D L W L S E N L T N Y K N I I Y Y G I I R I G T P O O E F K V M F D T G S A D I

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JARR890 GOYAR9	UniRef90_UPI0003C19463 UniRef90_K2S322		
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Junkengo (Deboto) WY M G P D C T S S D K T R A S F G A A D S S T Y K S W N M D D L A Y G S G Junkengo (Deboto) WY M G P D C T S S D K T R A S F G A A D S S T Y K S W N M D D L A Y G S G Junkengo (Deboto) WY M G P D C T S S D K T R A S F G A S D S S T Y K S W N M D D L A Y G S G Junkengo (Deboto) WY M G S T C T S S D K S S D K S S W S L S Y G D C S S D D W N W S S S E L T S S D W S C S G D D W N W S S S E L T S S D W S C S G D D W N W S S S E L T S S D W S C S G D D W S W S L S Y G D C S S D C S S D C S S D C S S D C S S D C S S D C S S D C S S D C S S D C S S D C S S D C S S D C S S D C S S D C S S D C S S D C S S D C S S D C	UniRef90_G1XNW5 UniRef90_S4TA51	WI PCRSRKNPCTQGAYDPALSTSRKVVSGGAFKLAYLDGT SKCYFSIACWIHHKYKGSKSSTYKKI GKSCSIRYGSGSIS	
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Junkelso D. PROJOSZEABBOS WILL O C. A. R. P. D. D. S. F. B. L. P. P. A. A. S. V. S. Y. H. Y. H. A. G. S. B. S. L. P. P. P. M. R. S. S. S. T. Y. H. R. G. S. B. S. L. P. P. P. M. R. S. S. S. T. Y. H. R. G. S. B. S. L. P. P. P. S. L. R. S. S. T. Y. H. R. G. S. B. S. L. P. R. G. P. P. J. R. S. S. S. S. T. Y. H. R. G. S. B. S. L. P. R. G. P. P. J. R. S. S. S. S. S. S. S. S. S. S. S. T. Y. H. R. G. S. B. S. L. P. R. G. P. P. J. R. S. S. S. S. S. S. S. S. S. S. S. S. S.	UniRef90_U7Q7L7	WVPGATCDACAGDRRFDHALSSTFSDNEATRRRAFAVQY WVISTPASDQKNHSAFDPTKSTSFSQMEGYSWKIQYGDSS	
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Junkel90 Daxy46 Junkel90 R788Y4 Junkel90 R788Y	UniRef90_L8G7H2	WVMGSTCTNSPCQLHELYGPADSDKYKPSTTTFSFQTG	
Juriker90 _UFNRY7 Juriker90 _RSNY4 Juriker90 _RSNY4 Juriker90 _RSNY4 Juriker90 _FSNY4 Juriker90 _	UniRef90_G4TIV5	WISSSNCARCASQATGARFNQQSSTFNSVQGNLDVTYGSG	
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Jurikef90_P32B9 Jurikef90_P32B	UniRef90_I1KNG0 UniRef90_G2QN49	WVPSSKCTFSVACYFHAKYKSSKSSTYKKNGTAAAIQYGT WLMGSDCTSAACQLHDTFDPSTSKTWKGGKNGFEIFYGTG	
Jurikef90	UniRef90_A0A034VH32 UniRef90_D8TZV5	WV P S A T C P T S N C Q A H N K Y N S S A S S T Y V A N G E S F S I E Y G S G WV P S S K C S F F N A C R H H R R Y Y A A R S K T Y K A N G T A F S I Q Y G	
Jurikefgo	UniRef90_F9X2B9 UniRef90_G3J729	WV Y S N S Q P S S Q Q T G H S V Y T P G S T A K R L S G Q T W K L S Y G D G S WV M G A D C S S D A C A K H N T F G T G Q S D T L T L S D K D F S V A Y G S G	
Jurkef90 _ M9A2P3 Jurkef90 _ MP1000455E70B Jurkef90 _ MP1000455E70B Jurkef90 _ MP1000455E70B Jurkef90 _ MP10002472AD4 Jurkef90 _ MP10002472AD4 Jurkef90 _ MP1000333F241 Jurkef90 _ GONHF7 JURKef90 _ GONHPA JURKef	UniRef90_E2RZS1 UniRef90_G4UBD0	WVPTQNSDAYNDGTHFNTAKSSTYKNTGQSFSDQYGSGSV FSTFMSTSDIJKGQTVVYDPNNSSTSFKVQGSTWKITYGDGS	
Jurike190	UniRef90_M3A2P3 UniRef90_UPI00045E2A0F	WIVIESTII IMPSSEQSGHAIVIYNPSTSGKKII INGYTWNII ITYGDGS	
Jurike190_A8WQ81 Jurike190_K5W533 Jurike190_C7YWN9 Jurike190_M7BR29 Jurike190_W7 Juri	UniRef90_UPI0002742AD4		
Jurike190_A8WQ81 Jurike190_K5W533 Jurike190_CTYWN9 Jurike190_MTBR29 Jurike190_MTBR29 Jurike190_MTBR29 Jurike190_MTBR29 Jurike190_MTBR29 Jurike190_GGCC13 Jurike190_GGCC14 Jurike190_GGCC15 Jurike190_GGCC15 Jurike190_J9JOX0 WV P S S K C R C R P Q S R Y S E G S K K Y R K K P R Q D G S C N S C N T H S K Y D P S S S S S S T F Q T F S L T Y T S D G Q N F S L Q C Q D R P L Y D D R R K S S T Y K K N R K K P Q D G S C N S C N T H S K Y D P S S S S S S T F Q T F S L T Y T S D G Q S G C N S C N T H S K Y D P S S S S S S T F Q T F S L A C Y F H S K F R P R L S S T Y K K N G I P C K I P Y G S G C N S C N T H S K Y R A S L S S Y T K I G I P C K I P Y G S G C N S C N T H S K Y R A S L S S Y T K I G I P C K I P Y G S G C N S C N T H S K Y R A S L S S Y T K I G I P C K I P Y G S G C N S C N T H S K Y R A S L S S T Y T K I G I P C K I P Y G S G C N S C N T H S K Y R A S L S S T Y	UniRef90_V9LTR2	WCRFFSVPCWFHHI YNPKASSSFRPNGTKII AI QYGTGRLS WI PAHNCSLSCLLKKRYQPSSSSTNKPDGREFKI MYGSGP	
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JAIRE190_C7YWN9 JAIRE190_F9F8A2 JAIRE190_F9F8A2 JAIRE190_F9F8A2 JAIRE190_F9F8A2 JAIRE190_F9F8A2 JAIRE190_ADD1R0 JAIRE190_ADD1R0 JAIRE190_ADD1R0 JAIRE190_ADD1R0 JAIRE190_ADD1R0 JAIRE190_K2R7K4	UniRef90_K5W533	WV A D S N C A S C T S I S T F Q S S S S S T F Q N L S T F Q S G Q C T S I S T F Q S S S S S T F Q N L S T F Q S G Q C T S I S T F Q S S S S S T F Q N L S T F Q S G Q C T S I S T F Q S S S S S T F Q N L S T F Q S G Q C T S I S T F Q S S S S S T F Q N L S T F Q S G Q C T S I S T F Q S S S S S T F Q N L S T F Q S G Q C T S I S T F Q S S S S S T F Q N L S T F Q S G Q C T S I S T F Q S S S S S T F Q N L S T F Q S G Q C T S I S T F Q S S S S S T F Q N L S T F Q S G Q C T S I S T F Q S S S S S T F Q N L S T F Q S G Q C T S I S T F Q S S S S S T F Q N L S T F Q S G Q C T S I S T F Q S S S S S T F Q N L S T F Q S G Q C T S I S T F Q S G Q C T S I S T F Q S G Q C T S I S T F Q S G Q C T S I S T F Q S G C T S I S T F Q S G Q C T S I S T F Q S G Q C T S I S T F Q S G C T S I S T F Q S G Q C T S I S T S T F Q S G Q C T S I S T S T F Q S G Q C T S I S T S T T S T T S T T S T T S T T T T	
JAIRE690_E31.176	UniRef90_C7YWN9	WFPWSSADICCPFGSFNPDKSRSFKHVGPGLFDLTFLDNS	
JniRef90	UniRef90_E3L1T6	PSIDCKDNPCGSKNIYNASASSTSTRLPDSFKVNYGDGST WVPSSKCAIFNIACRIHRKYNAAKSKTYKANGTFFAIFYG	
Drikef90_A0A016V970	UniRef90_A0D1R0 UniRef90_N1PUI9		
Drikef90_A0A016V970	UniRef90_M0QW02 UniRef90_K2R7K4	WV PSDFCPSPACS HVRFRHHQSSTFQTFS TYGSGRMKE WV WSTELPSNVQHTVFDPSKSSTFKEQASSTWQ TQYGDOS	
Drikef90_A0A016V970	UniRef90_C9S7L8 UniRef90_J9I4J0	WV F S T P S S Q V N G Q T R Y N P A S S S T S S K V A G A K W S I S Y G D G S V V E S T G C K T C A G K N Y N I G S S R S Y K Q T T N R A S Y H F Y G K A G	
UniRef90_Q6CCJ3	UniRef90_M7BRZ9 UniRef90_A0A016V970	P S T Y C Q S Q A C T T H T L F N P S A S S T Y S S E T Y T S D G Q N F S L Q Y	
UniRef90	UniRef90_G3SFP5 UniRef90_Q6CCJ3	WVP NYDSKASSSYKYLNSDF NVSYT AVNGLLGDWAT E TL	
UniRef90	UniRef90_Q56CZ1 UniRef90_E9E571	WV P S V G C S V E Q C Q D R P L Y D N R H S S T Y G A Y G L WV T A P Y L G G WV N T P S S R L C S M R K K P C A N S S S T Y K Y V S N N F N L S Y W D G S G	
Juniker90_W2TU21	UniRef90_F1MPH2	WILESTERATOR GHILLENPSKSSTER KLPGQTWQLSYGDGS WVLSTYCQTEACSTHNRENRSQSSTESLNGLTYTLSYGSG	
JniRef90_M/YUQ6	UniRef90_W2TU21		
JniRef90_M/YUQ6	UniRef90_J9J0X0	WIVING TELLIFOS TRIFIT DESKOSS WNSSEGREW WOI IS Y GDGS WV CSENCEACR POSRYSEGLSKTYRKVSDDPILITYGTGQ	
UniRef90_UP10004621B2C UniRef90_W9R831 UniRef90_M5XEF2 UniRef90_F9FTK0 UniRef90_W9FM8 WV P A T N C L S C G Q T P F D S T Q S S T L Q Q V T S S Q S V R I R Y G S G C S G V F H S K F R P R L S S S Y T K I G I P C K I P Y G S U R R I R Y G S G C S G V F H S K Y R A S I S S T Y T K I G I P C K I P Y G S C I R S I P C Y F H S K Y R A S I S S T Y T K I G I P C K I P Y G S I C S G G V F H S K Y R A S I S S T Y T K I G I P C K I P Y G S I C S G G V F D P D K S K T F K H V A P G M F G I T F V D D S I C S G G V F D P T Q S S T G F Y E N D L G D F S T S Y Y D N I C S D P D K S K T F K H V A P G M F G I T F V D D S I C S G G V F D P T Q S S T G F Y E N D L G D F S T S Y Y D N I C S D P D K S K T F K H V A P G M F G I T F V D D S I C S G G V F D P T Q S S T G F Y E N D L G D F S T S Y Y D N I C S D P D K S K T F K H V A P G M F G I T F V D D S I C S G G V F D P T Q S S T G F Y E N D L G D F S T S Y Y D N I C S D P D K S K T F K H V A P G M F G I T F V D D S I C S G G V F D P T Q S S T G F Y E N D L G D F S T S Y Y D N I C S D P D F T S S C S T A C S G G V F D P T S S C S T A C S S G V F D P T S S C S T A C S S G V F D P T S S C S T A C S S G V F D P T S S C S T A C S S G V F D P T S S C S T A C S S G V F D P T S S C S T A C S S G V F D P T S S C S T A C S S G V F T S Y S Y D N I C S D S T S Y T S S D T S Y T S S D T S Y T S T S T S Y T S S D T S Y T S T S T S T S T S T S T S T S T	UniRef90_M7YUQ6	WVPSSKCFLSHACYFHASYKAKRSSTYKKNGKLVAHQVGT	
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UNIREGO_W9YFM8 WV F G P S S C T A C S G G V F D P T Q S S T G F Y E N D L G D F S T S Y Y D N WE G S D S C S G S V F S T S S S C D G T C B D S C S S S C S C S C S C S C S C S C S	UniRef90_M5XEF2	WVPSSRCIFSIACYFHSKYRASISSTYTKIGIPCKIPYGS	
UNINCIBU AOJBEZ WE QODO CAO CE GA KII IKO I OO OLE IQ Q I G K F E GII IK I GO GODUGG	UniRef90_W9YFM8 UniRef90_X8J9F2	WVFGPSSCTACSGGVFDPTQSSTGFYENDLGDFSTSYYDN WFQSDSCASCEGAKI KSTSSSLQQTGRPFGI RYGSGSVOG	
UniRef90_UPI000455D187 WVTT_S <mark>C</mark> QG <mark>C</mark> GSSSFNPSSSSTFKQSQSS <u>TEL</u> DYS <u>E</u> D <u>TV</u> T	UniRef90_UPI000455D187 UniRef90_M7TLH7	WVLTTSCQGCGSSSFNPSSSSTFKQSQSSTELDYSEDTVT WVNPQCATSGWTSFCSSYPQYDPTKSTSFVPLLSQALNLAY	
UniRef90_U7PI77 FSSDTPSFYLDGQELYHPEKSRTSVDVANASWSLTYGDGS UniRef90 E2AUX5 WVKKCTFPLYSGHNQYDSARSFTYNNLGNNRLIRFFYGSY	UniRef90_U7PIY7 UniRef90_E2AUX5	FSSDTPSFYLDGQELYHPEKSRTSVDVANASWSTTYGDGS WVKKCTFPIYSGHNQYDSARSFTYNNI GNNRI I RFFYGSY	

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UniRef90_UPI0003C19463 UniRef90_K2S322	RVK GLLVY N TVQIG DLVS T D Q Q F GIS GIE GIT F D GVLGLN	-
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UniRef90_G7YJR8 UniRef90_Q9XFX4 UniRef90_A0E8Q0	GAI VGFYSQDSVEVGDLVVEHQDFIETTEEDDTVFLKSEF QVIGRMVEDYVGLPLSNIHSFMPFLLIIRETEIHGLQSDG	
UniRef90_E3KBY4 UniRef90_A0A016Q3R6 UniRef90_C3YN54	GAIL VIGEN SOUND ON THE CLIN WOWGIFT CLIN WO	
UniRef90_C3YN54 UniRef90_C3YN54 UniRef90_C3YN54	CI H WWWWI F T CL H WC WGI F T CI H WWWWI F T CL H WC WGI F T	
UniRef90_K3WP14 UniRef90_G1XNW5	VSGRFGHDTVRVAQYEIKNGIVGVVTDEEESMAKMKADGFQAGDFVTEKFSFANHTIPDLQIGIGYEINDSAGVMGIGFPGFSSQDSVGVGDIVVKNQVFIEASREGSLSFVLAKFDGIL	
UniRef90_S4TA51 UniRef90_C5FEK4 UniRef90_C9DEC9	HVT GTYATDTINFAGMSIPITIIGIIANKTSDQFNSFPFSGI	
UniRef90_UPI0003D6EBD1 UniRef90_Q01972		
UniRef90_M4BLM8 UniRef90_U7Q7L7 UniRef90_B9S023	S A S G D V G S D V V S L G G L G I P K Q A I L L A K K V W S S I N T V T K N N G S I S G F F S Q D Y D Q E F V E V T R E G L L A F L G T Q F D G I L G L G F Q	
UniRef90_UPI0003EAB8D5 UniRef90_F2VJ74	GASGFFSQDNVKVGDLVVKNQDFFEATKEASITFLAAKFD SASGDVYKDTVTVGGVKATGQAVEAAKKISSQFLQDKNND GSGKVSGHFGRDVVRLAQFHVHDTSVGLVTVEEESMAKMR SASGDVGSDVVSLGGLGIPKQAIELAKKVWSSINTVTKNN GSISGFFSQDYDQEFVEVTREGLLAFLGTQFDGLLGLGFQ AAPRACRRPRADPRPLGRGALSFASQLRAVYGHAFSYCLV SISGHFSQDNVQVGDLVVKDQVFIEATREPSITFLIAKFD GLLSQDELTIGGINNVSVTFGEALWEPSLVFAFASFDGIF AQGLLGQDYLTFEPNMNDSLTIPNITFGLARKLSGFKDNP	
UniRef90_UPI00038EFFA5 UniRef90_E1GIM4 UniRef90_UPI00032ABE03	A Q G L L G Q D Y I T F E P N M N D S L T I P N I T F G L A R K L S G F K D N P A I S G F F S Y D S V K V G D I V V K N Q E F I E A T K E P G V T F L V A K F D	
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UniRef90_UPI00045E2A0F UniRef90_UPI000455EF0B	II II MGYINSSII	IY I (+ I) II	ID F () NIII I <mark>P</mark> I) (;	ĠŸWQ <mark>ISV</mark> DSITMNGKTI QQTF <u>WIQ</u> EVTS <u>M</u> TVQGN
UniRef90_UPI0002742AD4	L ML G G V D H S Y	Y H G E L	R WVPLTKQ	R Y WQV ALD SI SVN GI VI A Y WQI H MERVMV GT GTL
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UniRef90_Q56CZ1	LILGGIEKS	YEĞEL	TYTQSATD	TYYQFKMAAIEEFAIGNQAT AAGALVQLKDISLGSKH EWLIRLQGVKVGMRWLQ SNAYNEFFITMTSKNIG GFWMFPSASVSIAGKKL LYWQLVIQEFQRWATGC DEDYWRIPLEAMVIQGN
UniRef90_E9E571 UniRef90_G3JT75	V L F G G V D K D R	KYQGS <u>L</u> ADGPO	USLPUQKV SFYTF	S N A Y N E F F I T M T S K N I G G F W M F P S A S V S I A G K K I
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UniRef90_D8TZV5 UniRef90_F9X2B9	CTOGCPALADTGTSLIAGPWDFWAALNHALGAT
UniRef90_G3J729 UniRef90_E2RZS1 UniRef90_G4UBD0	VS GS I GS I A D T G T S L V Y L P T D V V T A Y Y S K L G A A Y D S N Q G G A G V G K L A Y I D T G T T Y I F G P P S V T D K V H A V I D G S K K Q G A Y Y V S G S F P A A I D T G T T L I Y V P T S A A A A F W S A I P G S S A N G D G S R N H S M S G I A D T G T T L L L L P K S V V S A Y Y K E I Q G A Q Y D S D Q G A T S G S I S I A D T G T T L L Y L P S K V V S A Y Y A K V S G A K Y N N R Q G
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F L E <mark>C</mark> D E P P P V A L I I G S H E Y N L Q L E N Y I A V F E N N T <mark>C</mark> L F F F
                                                                                                         Y V Y P C D T E L Q V S L S F G G K S WN I D P E D M N L G A A D A G E L C L G S Y V P C T T T I P A E F T F S G A T Y S I P S K D WV G G K V E T E T M C T S G Y T F P C S T D L P D F A V G I G D Y N A V I P G S F M S F S S G S S S C Y G Y V I P C N A N V Q A T L T F G G Q A Y T M Q A S D L I G G T L S G G Q Q C I G Y I I P C N K I G T V D I T I G N Q V Y N I D S S N T I I P L G D G S S N C I F Y V I G C D A K P T M T L K I G K Q N Y T I Q S K N L I L H F L I G S C A A L K Y Q Y P C S S N I N V T L S F G G K N Y A M S N A D M N L G S F T R D Q S M C T Y P C S T S V S V Q L S F G G K N W S I S P Q D F Q L S Q L T K E L C L G A F F N N Y P C N S T A T I E F E F S G V K Y S V S P K D Y V N T E S T G S D Y C I S Y I P C D S N V S F G M N L G G Q S Y E I P P A D F I T Q E D S N K R N C R G Y F I G C D A P A A L N F T I G T K Q Y T V G A K N L I L K V Q K D V C I L K T V V A E Y G Q T I Y V T L T F S G V D Y N V S A R D W V V P G G G E D G K C L S G S V D C S L I D S L P D M E F V I G Y N T F L V P A S Q Y I L N D Y G E C S P
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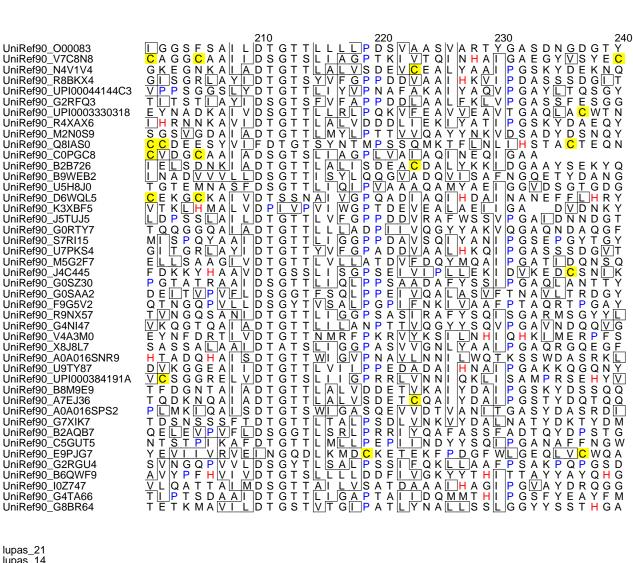
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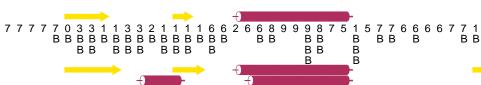
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A A G G D L A L L G D V F L K N N Y V V F N Q Q V P E V Q L A P L A UniRef90_000083 UniRef90_V7C8N8 UniRef90_N4V1V4 G F GVQSR IYGHE GILGL RIGYE RFGIS AFQSR GIQEN QIDVP GSNDFDILGDAFLKSIYAIWDQGNRRFGCVPKVVKGSWLLGDLFLKNVYAVFDVDKTRIGGNGFPSNLGDEFLKSWYSTYDYSNGRVGLSLSVIKKGAWLLGDTFLKNVYTVLDGDKMRIGFAPSTNALVIGATVMEGFYVVFDRAHKRVGFAASGDFDSDLLGDVFLKYVVAIFDQGKTRFGCARTGIGMSILGDIFLKSVFVVFDQTQPRLGFASERNHAYLSLSFMRNFFTVFVRGPSMVGVARAK UniRef90_R8BKX4 UniRef90_UPI00044144C3 UniRef90_G2RFQ3 UniRef90_UPI0003330318 UniRef90_R4XAX6 UniRef90_M2N0S9 G| Q| N S G S M P F D| L G D T F L K S L Y A | WD Q G N S R F G A V P K L F G T S D Y N L L G D T F L K S L Y A | WD Q G N S R F G A V P K L F G T S D Y N L L G D N F L R S A Y L V Y D L D D N E I S L A Q V K T L V D A R G R P T A I L G G A F L K K S V Y A I Y S Y G A P A V G L A R S V S A F L P A N T L Q W L G G A F L K K S V Y A I Y S Y G A P A V G L A R S V S A F L P A N T L Q W L G G A F L A E F Y T V Y D L Q A P A V G L A R S V S A F L P A N T L Q W L G G A F L A E F Y T V Y D L Q A P A V G L A R S A Y L V Y D L Q A P A V G L A R S V S A F L P A N T L Q W L G G A F L A E F Y T V L F D W G D G R V G L A L R A Q M S M W P L G A W L V G G T F F K S Q F V A F N L G N N T L G L A P H A Q L P T G T G V P S W I L G D S F L K N V Y S V F R F S P P S V G F A N I L G L A P H A Q L P T G T G V P S W I L G D S F L K N V Y S V F R F S P P S V G F A R S A N I L G D D F I G S F L K N V Y S V P D T T N N Q V G L A R A T Q A D L G S P S G Q G L D F I G S Y L E R F Y S V Y D T T N N Q V G L A R A C A A Y L P D D T D Q S R I L A Q A A A A M L L G D D F I L K N V Y A V F D D D D S R A R S G V L S S E D E Y V L G D T F L R A A Y Y A V F D Q D N Q E I H L A Q A A A C M C T S S S E D E Y V L G D T F L R A A Y Y A V F D Q D N R N V W A A A A A C M C F A T C A A D T S S C D S V L G D T F L R A A Y Y A V F D Q G N N T L G A A D H A K F G L G S P S G S P S W L G G P F L K N V Y S V F R Y D P P A V G F A C A A L F A V D S G A Q F L L G Q P F L K N V Y S V F R Y D P P A V G F A Q A A L F E D D G G N T T L G L A P T S T L K P L G A D T T L R A A Y V V Y D D D D G S R G S N T F D L G D T F L R A A Y V V Y D D W D N R N V W A A G F D D D G S R G S N T F D L G D D T F L R A A Y V V Y D D W D N R N V G F A S L K G M Q P T T S S L Q L Y C G D T F L R A A Y V V Y D D W D N R N V G F A S L K G M Q P T T S S L Q L Y C G D T F L R A S Y V V Y D D W D N R N V G F A C G S N M S A N G F G P S W V L G A T F L K G L Y A L F D D Q G N V R F G S N T F D L L G D T T L K G L Y A L F D D Q G N V R F G S N T F D L L G D T T L K G L Y Y D D D D R R N C G F UniRef90_Q8IAS0 UniRef90_C0PGC8 UniRef90_B2B726 UniRef90_B9WEB2 UniRef90_U5H8J0 UniRef90_D6WQL5 UniRef90_K3XBF5 UniRef90_J5TUJ5 UniRef90_G0RTY7 UniRef90_S7RI15 UniRef90_U7PKS4 UniRef90_M5G2F7 UniRef90_J4C445 UniRef90_G0SZ30 UniRef90_G0SZ30
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