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UniRef90_UPI0001CE0C14 UniRef90_G5BJE8 UniRef90_Q9XZG6 UniRef90_B7T143 UniRef90_T1G0G2 UniRef90_R7T953 UniRef90_UPI00023AD07B UniRef90_T1ISC0 UniRef90_H2TXA2 UniRef90_L9J9B1	WAYDGQNGPEHWSKLYPIANGNKQSPVDIKSSEVKHDTSLSHRSNTWHPRWTGQVSLPGGTRQSPINIRRRDSVYDPQLWGYGPNNGPSKWAKDFPAAAGARQSPIDIKTHDAQHDSALWGYGKNGPSKWAKDFPAAAGARQSPIDILTTKKCSYDPRLWGYGKKNGPSRWTKYAPAAKGKRQSPIDLTTKKCSYDPRLWGYTKADGPSTWGNVAPAALGKRQSPIDIVPSQAKYDSSLWGYGERDGPVHWNEFFPIADGDQQSPIEIKTKEVRYDSSLWGYTKGNGPHTWLETFPAAKGNLQSPIDIVPGAASYDAGLWGYASHNGPDHWHELYPIANGDNQSPIELHTKDIKHDPSL	
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	50 00 70 00
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UniRef90_I3JGR3 UniRef90_G6D9N9	T P L G Y S Q H R N Q P F T M Y N N G H T IV V I E L P E W M G L E G L P W
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	· · · · · · · · · · · · · · · · · · ·
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QUERY	90 100 110 120 S D S Y R L F Q F H F H W G S T N E H G S E H T V D G V K Y S A E L H V A H W N
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UniRef90_UPI000388AEC5 UniRef90_G3T3I1 UniRef90_UPI000388CC5D	EHNYR L KQ <u>FHFH</u> WGA <u>L</u> NTWGSEHT V DSK <mark>C</mark> YPAE L H LV HWN
UniRef90_G3H2Q2 UniRef90_UPI000441D128	TGSYRWPREHLHWGSADDHGSEHVVDGVRYAAELHVVHWN PGLYRLRQLHLHWGSTNDKGSEHVVDAKRHAGELHLVHWY
UniRef90_UPI00038C04F6 UniRef90_UPI0002C4481E	PGI Y R I R Q I H I H WG S T N D K G S E H V V D A K R H A G E I H L V H WY E N H Y R L R Q F H F H WG A V D E R G S E H T V D G H T Y P A E L H L V H WN E N L Y R L K Q F H F H WG A V D E WG S E H T V D N R V Y P A E L H L V H W N E N L Y R L K Q F H F H WG A V D E WG S E H T V D N R V Y P A E L H L V H W N
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UniRef90_E2BX04 UniRef90_I3JGR3 UniRef90_G6D9N9	HGIYQALQFHFHWGDLNHNGSEHILDGLQYPMELHIVHIN PRSFAAAQLHFHWGHSGHEGAEHLLDGRRAPAEMHLVHYD PPSYRALQLHFHWGTPASAGSEHSLDGQRSSMEMHVVHMN PHHYRAEQLHLHWGNRNDHGSEHTVSGKHFAAELHIVHYN GTEYLAVQMHFHWGGAELSGSEHTIDGLRYAAELHVVHYN NDMYVFEQLHFHWGKNDNEGSETLIDNQSSAMECHAVFRK LFTAVQMHLHWGNDGPSGSEHTINGLSADAELHVVHYN SYKYQFHEIHLHYGLHDQFGSEHAVNGYSFPAEIQIFGFN GHEYELHEVRFHWGKENQRGSEHTVNFKAFPMELHLIHWN PGRFKTAQFHFHWGROGSPGSEHLSDNSFAAAAFLHVVHYD
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Jniref90_13JGR3 S E L Y P N M S A A M T Q K D G L A V L G I I V I G E E I N P A F N N I L N Y L L B L L Q L G D L S N P E L R I L E E L J L R I L E L L Q L G D L S N P E L R I L E E L L A Q E F V Q I G K E H L G L K A L T E V L L Q L G D L S N P E L R I L E L L L Q L G D L S N P E L R I L E L L L Q L G D L S N P E L R I L E L L L Q L G D L S N P E L R I L E L L L Q L G D L S N P E L R I L E L L L Q L G D L S N P E L R I L E L L L Q L G D L S N P E L R I L E L L L Q L G D L S N P E L R I L E L L L Q L G L L L Q L G D L S N P E L R I L E L L L L L L L L L L L L L L L L L			
Jniref90_13JGR3 S E L Y P N M S A A M T Q K D G L A V L G I I V I G E E I N P A F N N I L N Y L L B L L Q L G D L S N P E L R I L E E L J L R I L E L L Q L G D L S N P E L R I L E E L L A Q E F V Q I G K E H L G L K A L T E V L L Q L G D L S N P E L R I L E L L L Q L G D L S N P E L R I L E L L L Q L G D L S N P E L R I L E L L L Q L G D L S N P E L R I L E L L L Q L G D L S N P E L R I L E L L L Q L G D L S N P E L R I L E L L L Q L G D L S N P E L R I L E L L L Q L G D L S N P E L R I L E L L L Q L G L L L Q L G D L S N P E L R I L E L L L L L L L L L L L L L L L L L	UniRef90_Q3TZB3	S D L Y P D F S T A S D K S E G L A V L A V L T E L G S A N P S Y D K L F S H L	
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QUERY UniRef90 UPI00042AEA04	170 180 190 200 QAIKTKGKRAPFTNFDPSTLLPSSLDFWTYPGSLTHPPLY GSIKTKGKSAAFTNFDPRSLLPGSLDYWTYPGSLTTPPLL
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UniRef90_F6YS25 UniRef90_G1PLS0 UniRef90_UPl0003C8AA52	D S
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UniRef90_M7C299 UniRef90_G1NGT0	DNIKTKGKEAPFPNFDPSILFPKSRDYWTYHGSFTTPPCE NSIOTKGKQASFTNFDPTGILPACRDYWTYPGSITTPPIH
UniRef90_UPI0003C28505 UniRef90_UPI0003EDDF0E UniRef90_F7BGW4	DAI QTKGKRAAFTSYDPTGLLPASLDFWTYPGSLTTPPLLPEIKHKGARAAVGPFQPSRLLPACRDYWTYPGSLTTPPLLSESIKTKGKETVFTNFDPTGLLPASRDFWTYPGSLTTPPLL
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UniRef90_UPI000331660B UniRef90_UPI0003314EAB UniRef90_UPI00042D0D70	PAIRHKDARAALGPFQPASLLPACPDYWTYPGSLTTPPLS HAVKTKGKTLPFTNFNPSCLLPSSLDYWTYFGSLTSPPLC YMVRFKGTKAQFSCFNPKCLLPASRHYWTYPGSLTTPPLS
UniRef90_G3H2Q4 UniRef90_G3H2Q3 UniRef90_UPI0002742662	DKI KTKGKEAPFTHFDPS CCRDYWTYHGSFTTPPCENSVKTKGKRAPFTNFDPSCLLPSSLDYWTYFGSLTHPPLHPEI KHKDARAAVGPFDPSCLLPTSRDYWTYTGSLTTPPLA
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UniRef90_UPI0002C4481E UniRef90_A6QR78 UniRef90_W5UKP3	Q N A S Y K D E E I I T V Q N V P V G K I I P T D T K F Y R Y N G S L T T P P C F P A V R H K D S V V E F T K F D P S C L L P E M N E Y W T Y A G S L T T P P L T
UniRef90_UPI0003C90A13 UniRef90_V9KZC2 UniRef90_UPI00020355EA	NSI QTKGKQASFTNFDPTGLLPACRDYWTYPGSLITTPPLH
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UniRef90_Q9MZ30 UniRef90_S9Y9K9	RYVKYKGQNVRIPTFNIEELLPEKPEYYRYRGSLTTPPCY PGLKHKDARVAVGPFQPSRLLPACRDYWTYLGSLTTPPLS
UniRef90_UPI000383C658 UniRef90_UPI0002A4807E UniRef90_U3JZG4	P G L K H K D A R V A V G P F Q P S R L L P A C R D Y W T Y L G S L T T P P L S K D A R A A L G P F Q P S C L L P A C Q D Y W T Y P G S L T T P P L S N G L K Y R N Q K V Q V P G F N L R A L L P A R D E Y Y R Y D G S L T T P P C Y R N V S H A G D S V D L A S F R L S T L L P R S G R Y Y R Y Q G S L T T P D C S
UniRef90_K7FET7 UniRef90_V4C962 UniRef90_A3FFY1	R N V S H A G D S V D L A S F R L S T L L P R S G R Y Y R Y Q G S L T T P D C S K N I S H P G D F V D L A S F C L N N L L P S V A H Y Y R Y Q G S L T T P D C A E D V L Y K G Q K T V T S A F N P T C L L P D P R D Y W T Y E G S V T S P P C S P F I S H K G Q A T V T N P V R P E T F L P K N G S Y Y T Y S G S L T T P P C Y
UniRef90_G3H655 UniRef90_W5NCG8 UniRef90_V9L2E1	PFISHKGQATVTNPVRPETFLPKNGSYYTYSGSLTTPPCY YMVRFKDTKAQFNYFNPKCLLPTSLQYWTYPGSLTTPPLS DAVKYKDQNVQVPAFNIQELLPKRDEYYRYDGSLTTPPCY NDVKSNDQKVSMTPFALKSLLPSDKHYYRYEGSLTTPPCF KNISQADNYVDLASTFPLSNLPLSKYYRYKGSLTTPPCF
UniRef90_UPI0003EAB66D UniRef90_H9G6M3 UniRef90_G1MPV7	G K V K Y A G Q K V S V P P F D V Q A L L P K Q D R F F R Y N G S L T T P P C F K N I S Q A D N Y V D L A S T F P L S N L P L L S K Y Y R Y K G S L T T P N C D G S I R Y <u>A</u> G Q T T S I P S F S V Q E L L P E R D R Y Y R Y N G S L T T P P C L
UniRef90_UPI0003F14225 UniRef90_Q3TZB3 UniRef90_UPI0003EBD747	GSI RYAGQTTSI PSFSVQEL L PERDRYYRYNGS L TTPPCL KNVSGLGLSAKL ASTFPASV L PSSADYYRYPGS L TTPGCQ QHVKYKGQQV L I PGFNI EEL L PESPEYYRYEGS L TTPPCY EDVRDLGQSTV L SSLDVQDML PTDLRYYTYGGS L TTPPCT
UniRef90_E2BX04 UniRef90_I3JGR3 UniRef90_G6D9N9	PGVQEPDKKKQLYKPFSVVDLISSQ <mark>C</mark> YYTYNGSLTTPPCL SRIRHADQKAFIPAFDVQSLLPEDGRYYRYNGSLTTPPCH ENLKYGGAEMPVNRUSVRGLLPDTDYYMTYDGSTTAPACY
UniRef90_H2SBC4 UniRef90_K1PPW8 UniRef90_UPI00032B08AF	Q D L Q Y K G K N K L I P C F N P N T L L P D P R D Y W Y E G S L T T P P C S N D V K T K G A M T E L T S F S I E S M L P N P D H F Y R Y S G S L T T P P C F
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UniRef90_W8AUP2 UniRef90_G6CL91 UniRef90_UPI00038C4FE9 UniRef90_T1FN58	QFV LHKGDRVTLPECDPSKLLPSTKTYWTYEGSLTTPPCSPYIMHKGDKVTFSEPDPSHLLPRRTTYWTYPGSLTTPPCTKNVSSPGVSVNLTSFPLASLLPTALRYYRYSGSLTTPGCQPKILYSGESAELKDFDPASLLPKHTDYWTYSGSLTTPPCY

	240 220 220 240
QUERY	210 220 230 240 ESVT WILCK ESISVS SEQLAQFRSLLS NVEGDNAVPMQHN
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UniRef90_E1BUE6	ESVIWVVLKEPISISEKQÜEKFRMLLFTSEEDQKVQMVNN
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UniRef90_M7C299	E S V V WTV L K D P I S I S C E Q L A M F R S L L S T K E G L E S C C M T T N E S V T W I V L K E P I S V S P A Q M A M F R A L L F T G E G E D P C C M V D N E C I T W I L L R E P I E V S P D Q M A K L R S L S I N A E T E P A R P M V D N E C V I W H V L K E P I T V S S E Q M C K L R G L C F S A E N E P V C R M V D N
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UniRef90_G3T3I1	F S IV IT WILL IK K Q A ILIEIV ID H D Q ILIE Q F R T ILLIE T S F G F K F K R MIV ID N
UniRef90_UPI000388CC5D UniRef90_G3H2Q2	ESVT WLVLREPVAI GAEQLGALRGLLSSAAGEPPCPLQDN ESVT WIVLKQPINI SSQQLARFRSLLCTAEGETAAFLLSN ECVT WILLKEPIVVDEHQMSKLRSLSSNSAEEPHCPLVDN
UniRef90_UPI000441D128	ECVTWILLKEPI VVDEHQMSKLRSLSSNSAEEPHCPLVDN
UniRef90_UPI00038C04F6 UniRef90_UPI0002C4481E	ESIVI WI I QKQPIVIQIVIA ASQIVIS A FREILLIFS PILIGEEEEF MIVID N
UniRef90_A6QR78	ETVKWI VLKKTASI SEKQLRQFRSVESTSQATKPNSLVDN
UniRef90_W5UKP3	EAVTWIIMKQAIEVSHEQLAVFRSLLFTSAEEEVKSMVNN ESVTWIIQKQPLEVAPDQLSAFRTLLFSALGEEEKVMVDN
UniRef90_UPI0003C90A13 UniRef90_V9KZC2	- F 3 V I W V I W K K F I F F G D D D D A F K 3 I I F K I F K M W W D N
UniRef90_UPI00020355EA	ECVIWHVIKEPITVSSEQMCKIRGI <mark>C</mark> FSAENEPVCRMVDN ESVTWLI <mark>C</mark> KDSISISSEQPAVCPLLLAVVNGRLSNILQ
UniRef90_UPI0001CE0C14 UniRef90_G5BJE8	ESVTWLI <mark>C</mark> KDSISISSEQPA <mark>VC</mark> PLLLAVVNGRLSNILQ ESVTWLVHKQPIEVAPSQLSAFRTLLFSAPGEEEEAMVNN
UniRef90_Q9XZG6	ESIVIS WFIVIF KEPI HATEN QMQQFRSIL KAN DGGCII VID N
UniRef90_B7T143 UniRef90_T1G0G2	EIV VIQ FIV I IF K E PII IEII IS S D QII IE A F R SIL IK T D D P S S N D N KIL VID N
UniRef90_R7T953	E S V N W V F R D P I E V S Q E Q I N V L R G L S N Q S R E N A N T R L V N N
UniRef90_UPI00023AD07B UniRef90_T1ISC0	ESVT WILLKQPINLSSQQVHRF ENVAWIVEKQPIEFSSDQLTVFRDL <mark>C</mark> QCPDDEFGGQIVDN
UniRef90_H2TXA2	ESIVIT WILVIONEDILISIVIS SEAMAKEDSILLESAEGEDECCMIVIN N
UniRef90_L9J9B1 UniRef90_C1BRP6	E CI VWL L LKEPITVSSDQ ESVT WLVFRQPLQFSEEQINAMRNIAFCCKDDKHHA <u>M</u> VNN
UniRef90_B5SU02	ESVTWLVFRQPLQFSEEQINAMRNIAFCCKDDKHHAMVNN ESVQWFVFNHTFPISQAQLDKFRDLFDSEKQDTKKPLVDN
UniRef90_H3CSL2 UniRef90_UPI0003871FE5	PSVLWTVFRNPVTISYQQYMSLVTTLFHAQDSVSVPMSSN PSVLWTVFRHPVKISQKQLLALETAMYCTESDDPEPMVNN
UniRef90_UPI000334007A	PTVLWTVFRNTAQVSPEQLLALETALYCTDMGDPSPMVNN
UniRef90_UPI00026587DB UniRef90_O93587	ETATWIILNRPLYVSPQQLTSMRKLKQGESISPMAPLGNN RASPGLSAREPISVSAEQMAKFRSLLFSAEGEAE <mark>CC</mark> MVDK
UniRef90_UPI0001CBA8E0	QAVIWSIFQSPVQISQEQLDQFRTLKFNAMGEADNPMVDN
UniRef90_Q9MZ30 UniRef90_S9Y9K9	P S V L WT V F R N P V T I S Q E Q L L A L Q T A L Y F T R A D D P A P M I N N E S V T W M V H R K P I E V A Q D Q L D A L R T L L F T A L G E E E K T M V N N
UniRef90_UPI000383C658	ESVTWLIHKKPLEVAQDQLAAFRSLLFSVPGEEEKTMVNN
UniRef90_UPI0002A4807E UniRef90_U3JZG4	PSVLWTVFRNTMTVSQKQFNALATALYSAQDSATIPLQSN
UniRef90_U3JZG4 UniRef90_K7FET7	E A V L WT V F E E P V WI G Q Q Q L K A F S T V H F P L E G S V L L K M L N N E A V V WT V F E E P I A I S Q S Q L N A F N T L H F R T N G T S P V K M T D N
UniRef90_V4C962	E A V V W T V F E E P I A I S Q S Q L N A F N T L H F R T N G T S P V K M T D N E N V Q W I L L R Y P L M V S H A Q I E E F R R L R T F S K G D N P K T M V D N E S V T W I V F E Q P I Q V S E A Q L D A F R R L K S Y H P C E D C P Q L V E N
UniRef90_A3FFY1 UniRef90_G3H655	ESVT WILVE EQFI QV SEAQLEDAF KKLKS Y HPUEDUPQL VEN
UniRef90_W5NCG8	ESVIWIVIREPIRISERQMEKFRSLIFTSEDDERIHMVNN PSVLWTVFRNPVSISQEQFLALATĀLYATSMTEPTPLNGN
UniRef90_V9L2E1 UniRef90_UPI0003EAB66D	E A V I WT I F P N P I P L R K D Q L N A F P S L Y F S K E S E K P K P M V S N E S V L WT V F T Q R V K L S H S Q I E K L Q S S L L S S N D T H A H P L V D N
UniRef90_H9G6M3	EVVTWTVFEELIPLSKSOLDAFKKMLYFRKMATTSRMTNN
UniRef90_G1MPV7 UniRef90_UPI0003F14225	Q S V L W T V F Q Q P V R S A A Q L E Q L Q G S L Y A T A V D E P E R L E D N P A V L W T V F E D P V A I G R A Q V V Q F Q T L L Q A G S Q P V P L T N N
UniRef90_Q3TZB3	PTV LWTV FRN PVQI SQEQL LALETAL YFT HMDDPTPMINN
UniRef90_UPI0003EBD747	ENVRWFLLADFVQLSRAQIRKLENSLLGHQDET IHNV EVVRWIVLKHPRYLSPAQLAAFRQVHTH EGTEMTHN
UniRef90_E2BX04 UniRef90_I3JGR3	QSV I WTL F H E RVQI SVA QL LKLEKL LYSSKA E E PYR MQDN
UniRef90 G6D9N9	ETVTWII INKPI YII TKQQLHALRRLMQGDARHPKAPLGNN
UniRef90_H2SBC4 UniRef90_K1PPW8	EKVTWLLFRYPLTISQTQLEEFRRLRSHVKGAEDGLLGDN ESVVWTIFENALSISEQQMDMFRKLLEDNLTNGTHVIVNN
UniRef90_UPI00032B08AF	QSV L WTV F S R R A QI S V E Q L E R L Q T T L F S T E E E E P S E L L E N
UniRef90_R7V8T6	QSVVWTVFSKANYVSRRQLEELRKLVSHIDDEHGEAMVNN
UniRef90_A9XTM5 UniRef90_W8AUP2	ESVTWIVFEEPIQLSQEQLDAFRAMKCCPEDELGG <mark>C</mark> LVEN ESVIWIVFKTPIEVSRDQLD <u>E</u> MRNLN <mark>CCPC</mark> NELNGKVINN
UniRef90_G6CL91	ESVTWLLFKDPVQVSAEQLALMRKLRCGSCGEEAMELLHN
UniRef90_UPI00038C4FE9 UniRef90_T1FN58	PAVLWTVFENPVPI GQAQVAQFQTVQTGPPGLHPRPLMDN ESARFVIFKEPI QI SEDQLNSFRQLRSHADDEFGGKI LQN
O::::\O:OO_	E S A A I WITH A E I FRANTO E D ARENOT A ARENOTA DDE E G G A II E IA N

QUERY	250 N R P T Q P L K G R T V R A S F
UniRef90_UPI00042AEA04	WRPAQPLKNRKI KASF
UniRef90_M4A1R9 UniRef90 G3PPK1	Y R P P Q P L K G R T V R A S F Y R P C Q A L K G R Q V R A S F
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UniRef90_I6LJZ2	Y R P <u>P</u> Q P L K G R Q V R A S F
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UniRef90_M7C299	WRPPQPVKGRVVKASF
UniRef90_G1NGT0	WRPCQPLKSREVRASF WRPCQPLKRRGVRASF
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UniRef90_F7BGW4	WRPCQPLKNREII RASF
UniRef90_UPI0003959482 UniRef90_Q8AVG8	FRPPQPLRGREVRRN FRPTQPLKGRHIRASF
UniRef90_V9KUR7	F R P P Q P L K G R T V E A S F
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UniRef90_UPI0003F0E61F	WRPQQPLKGRVVRASF
UniRef90_UPI000331660B	FRPVQPLMDRRVRASF
UniRef90_UPI0003314EAB UniRef90_UPI00042D0D70	CRPPQPLKGRRVRS FRPPQPLKGRVVKASF
UniRef90_G3H2Q4	WRPPQPVKGR <u>V</u> VRASF
UniRef90_G3H2Q3	H R P T Q P L K G R T V T A S F
UniRef90_UPI0002742662 UniRef90_UPI0003EE39DB	Y R P L Q P L L N R K V R A S F H R P P Q P L K G R K V R A S F
UniRef90_H3B5R4	F R P L Q P L M N R K V R S S F
UniRef90_UPI000333AD39 UniRef90_F6QLE4	Y R P L Q P L M S R T V H A S F Y P T Q P V K G R T V R A S F
UniRef90_F6QBV2	WR PVQNLSGRKIRRSF
UniRef90_UPI000388AEC5	HRLPQPLKGRQVRT
UniRef90_G3T3I1 UniRef90_UPI000388CC5D	FRPLQPLMNRTVRSSF WRPCQPLHGRELRANF
UniRef90_G3H2Q2	HRPPQPLKGRRVRASF
UniRef90_UPI000441D128	WRPLQPLNNRMIRT
UniRef90_UPI00038C04F6 UniRef90_UPI0002C4481E	C R P R Q P L M G R R V R S S F Y R P P Q P L M N R K I R A S F
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UniRef90_UPI0001CE0C14 UniRef90 G5BJE8	YRPLQPLMDREVRSSF
UniRef90_Q9XZG6	Y R P V M D G S G R N V R A S F
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UniRef90_H3CSL2	YRKPQPLEGRVVLVSF
UniRef90 UPI0003871FE5	F R N V Q E F H E R L V F <u>T</u> S F
UniRef90_UPI000334007A UniRef90_UPI00026587DB	FRQVQKFEERLVYISF FRPPQPLHQRVVRTNI
UniRef90 O93587	YRPPQPLKGRAVRASF
UniRef90_UPI0001CBA8E0 UniRef90_Q9MZ30	FRPPQPLNDRVVYLN FRPIQN <u>F</u> GVRLV <mark>H</mark> ASF
UniRef90_Q9M230 UniRef90_S9Y9K9	Y R P L Q P L M N R M V R S S F
UniRef90_UPI000383C658	Y R P L Q P L M N R K V R S S F
UniRef90_UPI0002A4807E	
IniRatur 13 7 (4/4	Y R K P Q L V D S R L V L A S F
UniRef90_U3JZG4 UniRef90_K7FET7	Y R K P QL V D S RII V L A S F F R P L Q P L R S R K I F A S F R P P Q P L K N R K V Y A S
UniRef90_K7FET7 UniRef90_V4C962	FRPLQPLRSRKIFAS FRPPQPLKNRKVYAS FRPTQPLNDRKVKASF
UniRef90_K7FET7 UniRef90_V4C962 UniRef90_A3FFY1	FRPLQPLRSRKIFAS FRPPQPLKNRKVYAS FRPTQPLNDRKVKASF YRPPCPLCDRVVRK FRPPQPLKGRVVKASF
UniRef90_K7FET7 UniRef90_V4C962 UniRef90_A3FFY1 UniRef90_G3H655 UniRef90_W5NCG8	FRPLQPLRSRKIFAS FRPPQPLKNRKVYAS FRPTQPLNDRKVKASF YRPPQPLCDRVVRK FRPPQPLKGRVVKASF YRKLQDGDDRRILVSF
UniRef90_K7FET7 UniRef90_V4C962 UniRef90_A3FFY1 UniRef90_G3H655 UniRef90_W5NCG8 UniRef90_V9L2E1	FRPLQPLRSRKIFAS FRPPQPLKNRKVYAS FRPTQPLNDRKVKASF YRPPQPLKGRVVRK FRPPQPLKGRVVKASF YRKLQDGDDRRILVSF YRPLQKLNNRVVYTS
UniRef90_K7FET7 UniRef90_V4C962 UniRef90_A3FFY1 UniRef90_G3H655 UniRef90_W5NCG8 UniRef90_V9L2E1 UniRef90_UP10003EAB66D	FRPLQPLRSRKIFAS FRPPQPLKNRKVYAS FRPTQPLNDRKVKASF YRPPCPLCDRVVRK FRPPQPLKGRVVKASF YRKLQDGDDRRILVSF YRRLQDGDDRRILVSF YRPLQKLNNRVVYTS YRGSQPLNNRLVFASF
UniRef90_K7FET7 UniRef90_V4C962 UniRef90_A3FFY1 UniRef90_G3H655 UniRef90_W5NCG8 UniRef90_V9L2E1 UniRef90_UP10003EAB66D UniRef90_H9G6M3 UniRef90_G1MPV7	FRPLQPLRSRKIFAS FRPPQPLKNRKVYAS FRPTQPLNDRKVKASF YRPPCPLCDRVVKK FRPPQPLKGRVVKASF YRKLQDGDDRRILVSF YRKLQDGDDRRILVSF YRPLQKLNNRVVYTS YRGSQPLNNRLVFASF FRPLQPLHSRKVYAS FRDPQDLNQRPVLASF
UniRef90_K7FET7 UniRef90_V4C962 UniRef90_A3FFY1 UniRef90_G3H655 UniRef90_W5NCG8 UniRef90_V9L2E1 UniRef90_UPl0003EAB66D UniRef90_H9G6M3 UniRef90_G1MPV7 UniRef90_UPl0003F14225	FRPLQPLRSRKIFAS FRPPQPLKNRKVYAS FRPTQPLNDRKVKASF YRPPCPLCDRVVRK FRPPQPLKGRVVKASF YRKLQDGDDRRILVSF YRKLQDGDDRRILVSF YRPLQKLNNRVVYTS YRGSQPLNNRLVFASF FRPLQPLHSRKVYAS FRPPQPLHSRKVYAS FRPQQPLRGRRVVAS
UniRef90_K7FET7 UniRef90_V4C962 UniRef90_A3FFY1 UniRef90_G3H655 UniRef90_W5NCG8 UniRef90_V9L2E1 UniRef90_UPI0003EAB66D UniRef90_H9G6M3 UniRef90_G1MPV7 UniRef90_UPI0003F14225 UniRef90_Q3TZB3 UniRef90_UPI0003EBD747	FRPLQPLRSRKIFAS FRPPQPLKNRKVYAS FRPTQPLNDRKVKASF YRPPQPLKGRVVRK FRPPQPLKGRVVKASF YRKLQDGDDRRILVSF YRKLQDGDDRRILVSF YRPLQKLNNRVVYTS YRGSQPLNNRLVFASF FRPIQPLHSRKVYAS FRPQQPLRGRRVVAS FRPQQPLRGRRVVAS FRQVQKFDERLVYISF
UniRef90_K7FET7 UniRef90_V4C962 UniRef90_A3FFY1 UniRef90_G3H655 UniRef90_W5NCG8 UniRef90_V9L2E1 UniRef90_UPI0003EAB66D UniRef90_H9G6M3 UniRef90_G1MPV7 UniRef90_UPI0003F14225 UniRef90_Q3TZB3 UniRef90_UPI0003EBD747 UniRef90_UPI0003EBD747	FRPLQPLRSRKIFAS FRPPQPLKNRKVYAS FRPTQPLNDRKVKAS FRPTQPLNDRKVKAS FRPPQPLKGRVVKAS FRPPQPLKGRVVYTS YRKLQDGDDRRILVSF YRKLQDGDDRRILVSF YRFLQKLNNRVVYTS FRPLQPLNNRLVFAS FRPLQPLHSRKVYAS FRPQQPLRGRRVVAS FRPQQPLRGRRVVAS FRPQQPLRGRRVVAS FRPQQPLRGRRVVEAN FRPTQPLWDREVFENI
UniRef90_K7FET7 UniRef90_V4C962 UniRef90_A3FFY1 UniRef90_G3H655 UniRef90_W5NCG8 UniRef90_V9L2E1 UniRef90_UPI0003EAB66D UniRef90_H9G6M3 UniRef90_G1MPV7 UniRef90_UPI0003F14225 UniRef90_Q3TZB3 UniRef90_UPI0003EBD747 UniRef90_UPI003EBD747 UniRef90_I3JGR3	FRPLQPLRSRKIFASSFRPPQPLKNRKVVAASFRPPQPLKNRKVVKASFYRPPQPLKGRVVKASFYRPPQPLKGRVVVXASFYRKLQDGDDRRILVSSFYRKLQDGDDRRILVSSFRPPQPLHSRVVAASFFRPQQPLHSRGRVVAASFFRPQQPLRGRRVVAASFFRPQQPLRGRRVVAASFFRPQQPLRGRRVVEANFFRPQQPLNGRPVLEANFFRPQQPLNGRPVJEANFFRPQQPLNGRPVJEANFFRPQQPLNGRPVJEANFFRPTQPLWDREVFFSF
UniRef90_K7FET7 UniRef90_K7FET7 UniRef90_V4C962 UniRef90_A3FFY1 UniRef90_G3H655 UniRef90_W5NCG8 UniRef90_UPL0003EAB66D UniRef90_H9G6M3 UniRef90_G1MPV7 UniRef90_UPL0003F14225 UniRef90_Q3TZB3 UniRef90_Q3TZB3 UniRef90_UPL0003EBD747 UniRef90_E2BX04 UniRef90_E2BX04 UniRef90_G6D9N9 UniRef90_H2SBC4	FRPLQPLRSRKIFASSFRPPQPLKNRKVYASSFRPPQPLKNRKVVKASSFYRPPQPLKGRVVVKASSFYRPPQPLKGRVVVKASSFYRPPQPLKGRVVYASSFRPPQPLNNRVVYASSFRPPQPLNNRVVYASSFRPPQPLNNRRVVYASSFRRDPQDLNQRPVLASSFRRDPQDLNQRPVLASSFRRQQQLRRGRRVVASSFRRQQQLRGRRVVBASFFRPQQQKFDRRVVEANFFRPTQPLWDREVFENFFRPTQPLWDREVFENFFRPTQPLWDRTVRAAF
UniRef90_K7FET7 UniRef90_V4C962 UniRef90_V4C962 UniRef90_G3H655 UniRef90_W5NCG8 UniRef90_V9L2E1 UniRef90_H9G6M3 UniRef90_H9G6M3 UniRef90_H9G6M3 UniRef90_UPl0003F14225 UniRef90_UPl0003F14225 UniRef90_UPl0003EBD747 UniRef90_UPl0003EBD747 UniRef90_E2BX04 UniRef90_I3JGR3 UniRef90_G6D9N9 UniRef90_G6D9N9 UniRef90_H2SBC4 UniRef90 K1PPW8	FRPLQPLRSRKIFASSFRPPQPLKNRKVVAASFRPPQPLKNRKVVKASFYRPPQPLKGRVVKASFYRPPQPLKGRVVYTSFRPPQPLKGRRVVYASFFRPLQDGDNRVVYTSFRPLQDGDRVVAASFFRPQQPLRSRKVVAASFFRPQQPLRRGRRVVAASFFRPQQPLRRGRRVVAASFFRPQQPLRRGRRVVAASFFRPQQPLRAFVVFANFFRPTQPLNHRVIFTSFFRPTQPLNHRVIFTSFFRPTQPLBSDRTVRAAFFRPPQPLBGRQV
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UniRef90_C3XTT7 UniRef90_V4BHF8	VNI TYPGQTTTLKNTNI YNLMPRDFHYYTYEGS EN VRYAGQTTQMHHLDLSTMLSDDSQFYRYKGS EDIQYKGKSKTLFNPAAFLPDPALREYWTYEGS EKVRNPKETTQYTLASLGSILPSYNGYYRYLGS PNIQYTGQLTTLKNTNIYNLMPRDFHYYTYEGS	LTSPPCY
UniRef90_UPI00038BEAED UniRef90_L9KGG1	SAVPTPEMETTMRESSLWDLLPKERHYFRYMGS	LTTPNCD

	210 220 230 240
UniRef90_UPI000328B811 UniRef90_UPI000443425F	PTVLWTVFRKPVQISQEQLLTLETALYCTHMDDPSPMVNNPTVLWTVFRNPVQISKEQLLALETALYCTHIDDPSPMVNNQSVLWTVFHQPASISLSQLEKLQKSLYATDEGPEALLVDNETTTWILNKPIYITKQQLRSLRELRQGDMRHPKAPLGNN
UniRef90_UPI000462A617 UniRef90_K7ISF5	ETTT WILLNKPILYI TKQQLRSLRELRQGDMRHPKAPLGNN
UniRef90_A0A026VYY7 UniRef90_UPI0002063705	EIVT WIDF KTHQQLSHEQLAAFRDL RTPEGNKLTHN EIVQWIDFVEPQYLSHEQLAVFRKI QSSDGRNLTHN
UniRef90_F6ZVL3 UniRef90_F7ADM5	ESVNWIVFKDTISISESQLAVF <mark>C</mark> EVLTMQQSGYVMLMQNN QSVLWTVFHRKAQISMGQLEKLQETLFSTEETPPQSLVQN
UniRef90_UPI0004444774	ESVVWTVFETPIPLSMDQMKAFSKVQFY DGKSMANN PSVLWTVFRNPVQVSRAQLVKLEEGLYCTNVDDPSPMVNN
UniRef90_T0NHM8 UniRef90_H3AKA3	QSV L WT V F K Q Q V Q I S WT Q L D K L Q R A L F S T D T E P A I P L V D N
UniRef90_V3ZXK9 UniRef90_UPI00042BB70A	ETVVWTVFEDTIKLSSSQMAKFREMFSSEVDNNHVHLQNN ENVYWFVLASPIMFSRAQGWKLENSLLDHQNKT LHNL
UniRef90_U3JQR2 UniRef90_B3RVV0	ETTTWILLNKPIVITKQQLRSLRELRQGDMRHPKAPLGNNEIVQWIDFKTHQQLSHEQLAAFRDL RTPEGNKLTHNQSSDGRNLTHNSIVQWIDFVEPQYLSHEQLAVFRKI QSSDGRNLTHNSISVNWIVFKDTISISESQLAVFCEVLTMQQSGYVMLMQNNQSVLWTVFFRNPVQVSSDQRKAFSKVQFY DGKSMANNPSVLWTVFFRNPVQVSRAQLVKLEEGLYCTNVDDPSPMVNNQSVLWTVFKQQVQISWTQLDKLREGLFSTDTEPAIPLVDNETVVWTVFEDTIKISSSQMAKFREMFSSEVDNNHVHLQNNETVVWTVFEDTIKISSSQMAKFREMFSSEVDNNHVHLQNNENVYWFVLASPIMFSRAQGWKLENSILDHQNKT LHNIECITWILLREPIEVSSDQMAKLRSLSKNDENEPPSPLVDNENVTWILFRYPLSISESQIQGYRSLRAFFRQDREGALFDNESVTWVVLASPIKISSSQIGGYRSLRAFFRQDREGALFDNESVTWVVLASPIKISSSQIQGYRSLRAFFRQDREGALFDNESVTWVVLASPIKASSQILQGYRSLRAFFRQDREGALFDNESVTWVVLASPIKASSQILQGYRSLRAFFRQDREGALFDNESVTWVVLASPIKASSQILQGYRSLRAFFRQDREGALFDNESVTWVVLASPIKASSQILKLENSLLDSENKT
UniRef90_B3RWG7 UniRef90_UPI0003C827B5	ESVT WV V L N N H I H A T D A Q L N K L R T V Y T G D A T D P G V L M V N N EN V H W F V L A D T I K L S R A Q I L K L E N S L L D S E N K T L Q N D
UniRef90_R7TR34 UniRef90_UPI00038328A6	EEVT WVMFRYPLTI SFNQI EEFRRLRTHHKGELPPPL VDN EGVI WTI FEKPI ELSFSQI SQFSTLHFD GTNSTYMTEN
UniRef90_Q9I909 UniRef90_UPI0004446D94	ESVIWVVLNNHIHAIDAQLNKLRIVYIGDAIDPGVLMVNNENVHWFVLADTIKLSRAQILKLENSLLDSENKT LQND EEVTWVMFRYPLTISFNQIEEFRRLRTHHKGELPPPLVDN EGVIWTIFEKPIELSFSQISQFSTLHFD GTNSTYMTEN ESVEWIVFKDTVTISESQLEMFCEILTMQQSGYVMVMQNN QSVLWTVFSQRAQISRAQLEKLQTLFSTEEGLSSELLAQN PTVLWTVFRKPVQISAEQLLALETTLYCTQSNDPAPMVDN ESVIWIVFKDSINVSEEQLNLFRQMKSVGREETVEPLRSN ETVTWVLINKPIVITKOQLHALRENMOGSPDHPKAPLGNN
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UniRef90_B4M267 UniRef90_H0VSR1	ETVTWVILNKPI YITKQQLHALRREMQGSPDHPKAPLGNN ENVRWEVLQDSVKLSRAQVWKLENSLLTHDNKTLHNG
UniRef90_E1ZVE3	F SIVIT WILLIE K K YILIFIVIS H H QILINILIE R NILIR K F P R G F F C P CIVILIN N
UniRef90_UPI000339187F UniRef90_UPI0003316D73	
UniRef90_G3PB91 UniRef90_V4BIL1	E A V T W S L F E N T V P I S M K Q L A L F A Q L Q F S N G K Q M V Q T E T V T W I I L N K P I Y I T E Q Q L Y T L R Q L H Q A P E G S P Q L L M E N N
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UniRef90_G3QA26 UniRef90_UPI00038BDD83	E A V I WT L F E N P I P L S V E Q L R A F S E L K F Q N G K Q M V G T Q G V I WT V F N Q T V K L S T K Q L H T L S V S L W G P H D S Q L Q R N
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UniRef90_UPI000359F0CD UniRef90_K1RCM3	ESVRWIVFQDVIEISAQQIDSIRNLCCDECGKERIPA N ESVITWIJFQEPVEISAQQIDSIRNLKE
UniRef90_UPI0003340D0A UniRef90_U3JHK9	ENVRWEVLDDSVKLSRAQVWKLENSLLT NHNRTLHNG
UniRef90_UPI00046C33CB	QTVNWTVFNQTVL LSKEQUSL LETTL QGDDDKDLQNN
UniRef90_U6PBR8 UniRef90_F1SG01	Q G V V W T V F N E T V K L S A K Q L H T L S D S L W G P D D S R L Q L N
UniRef90_UPI0002659BA1 UniRef90_V4AH94	QSVVWTI FQKPI YMSEKQLNLFRGLKRNADGETERELVDD
UniRef90_UPI0003941685 UniRef90_W5MJS1	ESVTWIIKKKPIEVDEDQHDAAF LWREGKKGRFCEMEVVESILWTVFDTPIITLSHSQIRKLESTLMDYRNQT LWNDQTVMWTVFNQTVRLSLDQILKLEETLY GDHDKLLENNQGVIWTVFNQTVRLSAKQLHILSDTL WGPGDSRLQMNESVVWTLFESPVPLSADQLLCRQRAFSQLKFHDGRPMVGTESVTWIVLKQPIKISQQLAAFRALLCTSPG
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UniRef90_UPI000444564E	EAV V WTL FESTI PLSRSQV SAFCQL HF PDGREMI QI
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UniRef90_G3PDD8	QSVTWTVFNERVQISKAQLLKLETILYSSKAKDADRMQDN
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UniRef90_H2U9P4 UniRef90_UPI0004438CF6	H WLITDSHSRSA EMAKFRSLLIFSAEGEPE <mark>CCMV</mark> NN QDISWFLLADAV <u>L</u> ISITQ <u>AR</u> NLESTLQDHSNKT LQNN
UniRef90_P18761 UniRef90_UPI00038C0EEB	E N V Q W F V L R D K V T L S K A Q V V T L E N S V M D H N N N T L H N D L N F R N E T T T N D N N N T T T N T N T T
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UniRef90_UPI000471431C	E G V Q W V L Q Q P V E WS E A Q I G A F R T L F P P T V N V T D D D D D D D D D D D D D D D D D D
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UniRef90_H2U9P4	Y R P P Q P L K G R S V R A S F
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UniRef90_UPI0004755F48 UniRef90_UPI000376293C UniRef90_G3TMC4 UniRef90_H2SF35 UniRef90_F1L093 UniRef90_F1L093 UniRef90_F1L093 UniRef90_T1DR70 UniRef90_P48284 UniRef90_UPI0003597C50 UniRef90_UPI0003597C50 UniRef90_UPI0004419F9C UniRef90_UPI0004419F9C UniRef90_UPI0004421C7C UniRef90_UPI0004221C7C UniRef90_UPI0004221C7C UniRef90_UPI0004221C7C UniRef90_UPI0004221C7C UniRef90_UPI0004221C7C UniRef90_UPI0004221C7C UniRef90_UPI0004221C7C UniRef90_UPI000489C8ED UniRef90_UPI0002E08087B UniRef90_UPI0002BD087B UniRef90_UPI000469C8ED UniRef90_UPI000469C8ED UniRef90_UPI000469C8ED UniRef90_UPI000469C8ED UniRef90_UPI000469C8ED UniRef90_UPI000469C8ED UniRef90_UPI0002BD087B UniRef90_UPI0002BD087B UniRef90_UPI0002BBC7CF UniRef90_K9DFX6 UniRef90_UPI0002B8C7CF UniRef90_UPI0003B70C656 UniRef90_UPI00038713C4	WG Y E G E N G P E N WA K L S P A C S G K N Q S P I D L S G F Q A E WS Y D E E T G P D H WA E L E D C A T G A S Q S P V N I D H T Q I V R S G E S WT Y E G A L D Q E H WP S Y Y P A C G G K R Q S P V N I D H T Q I V R S G E S WT Y E G A L D Q E H WP S Y Y P A C G G K R Q S P V D I S D Q E A L I S E E Y WG Y K G D H G P E N W G E F S E C A K G Q N Q S P I D I Q S V T E A K L WG Y E D E N G P H T W K G V C Q T G A R Q S P V D I L D P E T Q V S Q E C WT Y D D A G P P N W G I V A P A C S G T Y Q S P I N I V T S K T K L N P S L WA Y E G E G P E N W G K L K P C D T G K R Q S P I D I D I D P E T Q V S Q E S L F V R R K WG Y E G G P E N W G K L K P C D T G K R Q S P I D I D I D P T T V Y L D K S I WG Y S G S I G P E H W G D L S P C K I G K N Q S P I D I N S A D A V K A C L WG Y S G S I G P E H W G D L S P C K I G K N Q S P I D I N S A D A V K A C L F S Y K D K N G P H T W P G V C Q T G K R Q S P I D I D H Q A R V G E E Y Y G H C A G S K Q S P I D I D H Q A R V G E E Y Y G H C A G S K Q S P I D I I D H Q A R V G E E Y Y G H C A G S K Q S P I D I I D H Q A R V G E E Y Y G H C A G S K Q S P I D I I D H Q A R V G E E Y Y G H C A G S K Q S P I D I I D H Q A R V G E E Y Y G H C A G S K Q S P I D I I D H Q A R V G E E Y Y G H C A G S K Q S P I D I I D H Q A R V G E E Y Y G H C A G S K Q S P I D I I D H Q A R V G E E Y Y G H C A G S K Q S P I D I I D H Q A R V G E E Y Y G H C A G S K Q S P I D I I D H Q A R V G E E Y Y G H C A G S K Q S P I D I I R D H Q A R V G E E Y Y G H C A G S K Q S P I D I I R D H Q A R V G E E Y Y G H C A G S K Q S P I D I I R D H Q A R V G E E Y Y G H C A G S K Q S P I D I I R D H Q A R V G E E Y Y G H C A G S K Q S P I D I I R D H Q A R V G E E Y Y G H C A G S R Y Q S P I D I I R D H Q A R V G E E Y Y G H C A G S R Y Q S P I D I I R D H Q A R V G E E Y G A G R T Y Q S P I D I I R T T T T T T T T T T T T T T T T T
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UniRef90_F1QK51	T S F I F H G H D A F N M S V E N H G H S A H F T L P P S A H L S G G G L
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UniRef90_L9PH39	EQLTFDYHPSS FNVTDNGHTVQVMLSGGNFLTV
UniRef90_UPI0002BD087B UniRef90_UPI000469C8ED	EDIQINYSPTPM TVMNNGHTIQVNDTTDKNSLVVEG
UniRef90_A0A044RC80 UniRef90_S9Y3G2	K DII RIINYPMNGEARIKNAGDSILQLQLDPSNKAELSMSHLG
UniRef90_F2F9J9	K G N E I H Y E P T P Y T L E N N G H T I Q A N A T T E S N H L I I
UniRef90_X1Y3H5 UniRef90_K9DFX6	K PILIKILIA G NILIP D SILIKIL Q N D G H S A K F I Y N W G N E R P V LIS G G P L E QII N F D Y H P S S F N E II D N G H T I I Q V N V A G G N F I LIS V G
UniRef90_F5HK73	PPLEFHYPDSA ATL VINNGHTVQI NIL PAGATLKVG EQITFDYHPSS FNVTDNGHTVQVML SGGNFLTV NGPFSFSYDKKQKWAVQNNGHSVMVL LGAEAS IAGGGL EDIQINYSPTPM TVMNNGHTI QVNDTTDKNSI VVEG KDI RI NYPMNGEARLKNAGDSL QL QL DPSNKAEL SMSHLG RPLEFELRPLPELRL LNNGHTVQLSLPPGLEMALGPG KGNEI HYEPTPY TLENNGHTUQANATTESNHI I E RPLRLAGNLPDSI RL QNDGHSAKFTYNWGNERPVLSGGPL EQINFDYHPSSFNEI DN GHTI QVNVAGGNFLSVG LL LEGGARKPVSI VVTNNGHTAQYFPAGKSFOLLS SVN
UniRef90_UPI0002B8E7CF UniRef90_UPI0003F0C656	G S F F F G Y D K K H S W S V Q N N G H T V M V N L E N N ISI A G G G L
UniRef90_UPI00038713C4 UniRef90_A0A016XEC4	MILIO G G A ILI
UniRef90_C3YR32	AFSFTGYDAVPNMTMSNNGHSVVVSLTPASTALSVSGGGL
UniRef90_H9GLZ6 UniRef90_UPI00021A8636	LPFHFEKYNAEQWHIVNNGHTVQVNLDGSAK I SSGGL DLEF <u>S</u> GLQK <u>P</u> HKALIMNDGHTVMIH_SADSESPEISGSSL
UniRef90_E9FXL5 UniRef90_B2V8E3	RLSFVNYDKVFPETII TNNGHTVTLQI HKHDDPPYI KDGGL
UniRef90_J2UK56	EPLNETYH SGKATVÝNNGHTI QVTPENAGGINLASG
UniRef90_UPI0004446A1B UniRef90_F6XY05	L P F H F E K Y N A E Q W H I V N N G H T V Q V N L D G S A K D L E F S G L Q K P H K A L I M N D G H T V W I H S A D S E S P E I S G S S L R L S F V N Y D K V F P E T I T N N G H T V T L Q I H K H D D P P Y I K D G G L P K L N L Y Y K T A K E S E V V N N G H T I Q V T P E N A G G I N L A S G T P F S F D Y H K K K N W S V K N N G H S V V V L L E N E P L I A E G G L G T F T T F T N Y S D S S K L L L L N N P G H T V E V Q L A S G V T L S G G G G L G H F I F S Y D K K E K R N V S N N G H S V E V T L K N D N I E I S G G G G L V P L K I S G D K Q I D V E V V N T G Q D L Q V K I L D S T A S V V F S E G P L N F K F H N Y G Y L D R M A L I N N G H S A A Y N L P A Y Y P K P H I T G G G M A P L K F H Y S H P F N G E I V N N G H S V Q I T P Q F T S D A P K I S G G G L G S L W N T Y E P V A N S T L T N D G R T L Q L T F A N N N N V L S G G P L
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UniRef90_F1L9M2 UniRef90_R7TGJ8	A PIL K F H Y S H P F N G E II VIN N G H S IV Q II T P Q F T S D A P K II IS G G G L E PIL T L G Y N E T D D F S II T N N G H T IV F IV A P P G G F F A IV I IS G M F II
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UniRef90_K8B3E4 UniRef90_Q7MFI3	GSLWNTYEPVANSTLTNDGRTLQLTFANNNN VLSGGPLPLKTHYVDGPSL I LNNGHTVQATLPETTQ DSVTIDKGLDLHYSGQVIA LSNNGHTLQGSLSGENVLDI DELLQWSNFNSGPMTLTNDGHAVILRFWTSTMWPQLQGGPL
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	90 100 110 120
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UniRef90_E4WSC3	SSEYEL TOFHLHWGSDLGQGAEHFINGESGDAELHFVHWN SGTYDALQFHFHWGSEEFPGSEHTLDGEKYPMELHIVHRR SGKYQFAQLHFHWGANSSRGSEHTFSGTTYPLEMHLVHFN GATYSTVQFHLHWGSKNEQGSEHLIDGKAFAGALHIVSYN
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UniRef90_A7SKA8 UniRef90_W4F2N2	GATYSTVQFHLHWGSKNEQGSEHLIDGKAFAGALHIVSYN DKYTFLRMHFHTPS EHQINGQHFAMEAHLVHEN
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UniRef90_E9FXY0 UniRef90_UPl00046BAEA5 UniRef90_B3M7V6	GEILKVGQTTRLQTPILDLLPVNVQNFYKYTGSLTTPSCQ SAIPRPTMSTTMQSI <u>SLFDLLP</u> EKRHYFRYLGSLTTPGCE POUDRKGKSVNMSNPUPIGEVVSNSSYESYTGSUTTPPCS
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UniRef90_UPI0003597C50 UniRef90_E8T502 UniRef90_Q1HR09	PLEKNEYVTPPGLAIDVAQLLPEDRSYYTYMGSLTTPPCS TDISDPKTSTSMDTVRLDTFLPDITEFYRYSGSLTTPGCY PEEPGQKRHLTAR IDPEKLLPENRDYYRYSGSLTTPPCS QEIITPESEFTIQFIDTFPLYDVEWPYFSYEGSLTTPPCLKGVVHHEKETFLDPFVLRDLLPASGSYYRYAGSLTTPPCS
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UniRef90_B2V8E3 UniRef90_J2UK56 UniRef90_UPI0004446A1B UniRef90_H0WMS5 UniRef90_H0WMS5 UniRef90_E9FX47 UniRef90_F1L9M2 UniRef90_R7TGJ8 UniRef90_A7S762 UniRef90_A7S762 UniRef90_Q7MFI3 UniRef90_Q7MFI3 UniRef90_Q7MFI3 UniRef90_A0A026WEW3 UniRef90_UPI00029DD062 NR P V Q E I N S R WI I E G F S R P V Q P L N G R S V U R P V Q P L N S R V V Q S S UN R P V Q R L G D R T V F K S UR R P V Q R L G D R T V F K S UR R P V Q R L N D R T V F K S UR R P V Q R L N D R E V UR R P V Q R L N D R E V UR R P V Q P L N G R T I R S S UR R P V Q P L N A R V V L S UR R P V Q P L N A R V V L S UR R P V Q P L N A R V V L S UR R P V Q P L N D R N V Y UR R P V Q P L N D R N V Y UR R P V Q P L N D R N V Y UR R P V Q P L N D R N V Y UR R P V Q P L N D R N V Y UR R P V Q P L N D R N V Y UR R P V Q P L N D R N V Y UR R P V Q P L N D R N V Y UR R P V Q P L N D R N V Y	UniRef90_UPI00021A8636	F R P V Q P L D G R <u>T V Y</u> R N
UniRef90_J2UK56		F R P V Q S IL H G R L V L N R P V Q E I N S R WI I F G F
UniRef90_F6XY05	UniRef90_J2UK56	S R P V Q P L N G R S V
UniRef90_H0WMS5 UniRef90_G4VIP7 UniRef90_E9FX47 UniRef90_F119M2 UniRef90_R7TGJ8 UniRef90_A7S762 UniRef90_A7S762 UniRef90_Q7MF13 UniRef90_Q7MF13 UniRef90_A0A026WEW3 UniRef90_UP100029DD062 VR P V Q P L N A R V V L S UniRef90_UP100029DD062 VR P V Q P L N A R V V L S UN N R P V Q P L N A R V V L S UN N R P V Q P L N A R V V L S UN N R P V Q P L N A R V V L S UN N R P V Q P L N A R V V L S UN N R P V Q P L N A R V V L S		FRILQQLNSRVVQSS
UniRef90_E9FX47	UniRef90_H0WMS5	VRPVQRLGDRTVFKS
UniRef90_F1L9M2		FRPPQP V NDRT I YRSF
UniRef90_A7S762	UniRef90_F1L9M2	Y R P <u>V Q K L N D R E V</u>
UniRef90_K8B3E4		S R P V C P I N G R T I R S S
UniRef90_A0A026WEW3	UniRef90_K8B3E4	N R P V Q P L H G R V V
UniRef90_UPI00029DD062	UniRef90_A0A026WEW3	C R P V Q P L N D R N V Y
I I I I I I I I I I I I I I I I I I I		F R P V Q P L N N R C I R T N I Y R P L Q S L G N R H V Q A S
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UniRef90_E9FXL4 UniRef90_U6NSY7 UniRef90_F6THJ0 UniRef90_E2ALI9 UniRef90_Q3SGX3 UniRef90_UPl00036C717A UniRef90_U5AQG1 UniRef90_U5AQG1 UniRef90_W5LAN1 UniRef90_W5LAN1 UniRef90_W5LAN1 UniRef90_UPl000329C38D UniRef90_UPl00032B047D UniRef90_UPl00032B047D UniRef90_UPl00032B047D UniRef90_UPl0003B047D UniRef90_UPl0003B047D UniRef90_UPl0003B047D UniRef90_UPl0003B047D UniRef90_UPl0003B047D UniRef90_UPl0003B047D UniRef90_UPl0003B047D UniRef90_UPl0001924B51 UniRef90_UPl0001924B51 UniRef90_UPl0001924B51 UniRef90_UPl0001924B51 UniRef90_UPl0001924B51 UniRef90_UPl0001924B51 UniRef90_UPl00036BFDE1 UniRef90_UPl00036BFDE1 UniRef90_UPl00036BFDE1 UniRef90_UPl00036BFDE1 UniRef90_UPl00036BFDE1 UniRef90_UPl00036BFDE1 UniRef90_UPl00036BFDE1 UniRef90_UPl00036BFDE1 UniRef90_UPl0004755BE4	100 WS Y E H WS Y D Y D T G P Q N WG L L F K C H N G K M Q S P I N I N T S Q L L F D Y P L Y R L F D Y R L F C Y R M K Q P Y S C S G A H Q S P I N I N T S Q L L F D Y R L Y R M K Q P Y S C S G A H Q S P I N I N T S Q L L F D Y R L Y R M K Q P Y S C S G A H Q S P I N I N T S Q L L F D Y R L Y R M K Q P Y S C S G A H Q S P I N I N T S Q L L F D Y R L Y R M K Q P Y S C S G A H Q S P I N I N T S Q L L F D Y R L Y R M K Q P Y S C S G S A K Q S P I N I N T S Q L L F D Y R L Y R M K Q P Y S C S G S A K Q S P I N I N T S Q L L F D Y R L Y R M K Q P Y S C S G S A K Q S P I N I N T S Q L L T S C S C S S G S A K Q S P I N I N T S Q L L T S C S C S S G S A K Q S P I N I N T S Q L L T S C S C S S G S A K Q S P I N I N T S Q L L T S C S C S S G S A K Q S P I N I N T S Q L L T S C S C S S G S A K Q S P I N I N T S Q L L T S C S C S S G S A K Q S P I N I N T S Q L L T S C S C S S G S C S S G S S C S S G S S C S S G S S C S S G S S C S S S S S S S S S S S S S S S S S S S S
UniRef90_UPI000387B6A9 UniRef90_B3RKE3 UniRef90_UPI00034FEFAF UniRef90_B9IIU9 UniRef90_B8A5J3 UniRef90_F7B7S8 UniRef90_B4JI16 UniRef90_B4JI16 UniRef90_W1PHZ1 UniRef90_K3Y9C5 UniRef90_H2M0K9 UniRef90_E0VKB8 UniRef90_G7QBY3 UniRef90_G7QBY3 UniRef90_G7YBG2 UniRef90_W1PI000258EF7B UniRef90_W1PI0003330998 UniRef90_B7YBG2 UniRef90_UPI000463F9D7 UniRef90_UPI000463F9D7 UniRef90_W6V0V0 UniRef90_W6V0V0 UniRef90_M1AHU3 UniRef90_K2BD35 UniRef90_K2BD35 UniRef90_W6V0V0 UniRef90_V4S7G7 UniRef90_UPI0003B631D3 UniRef90_UPI00046891A9 UniRef90_UPI00046891A9 UniRef90_C5YFV4 UniRef90_C5YFV4 UniRef90_C5YFV4	WG Y G S D N G P S K WG Q Y Y P C C G K R Q S P N N D D S R T T F N P K L WS Y S G V Y G P D N W Y T S N A D C G G M H Q S P I D I S T H I Q D E V R E L F S Y A G L H G P A N W S L N P C S S G K L Q S P I N I I K E A V E N K S L WS Y T G A L N Q K H W V K K Y P V C G N A R Q S P I D I I S V D T K E S L S D Q G P K G P S N W L N S Y A A C G T R A Q S P I D I I S V D T K E S L S D Q G P K G P S N W L N S Y A A C G T R A Q S P I D I I S V D T K E S L S D F N Y D Q Q G R D W E G T C A T G R S Q S P I D I I D H D N L F G Y T G S V I G P D H W G T L S P C S N G T T Q S P V D I W T P G A V Y N P A L F G Y T G S V I G P D H W G T L S P C S N G T N Q S P V D I W T P G A V Y N P A L F G Y T G S V I G P D H W G T L S P C S N G T N Q S P V D I D E T F T Q V R C Q P G P WS Y S D A L G P P N W P L V A P A C G G Q G Q F Q S P I N I N T S R A I R V N R K WS Y S G A L N Q G K W G K K Y P P S C N S A R Q S P V D I D E T F T Q V R L Q Y F D Y T D R N G P H T W K V L Y P D S S G N N Q S P V D L R S R N A V Y N S Q L WS Y S G A L N Q G K W G K K Y P P S C S G N R Q S P I N I T T R S A V Y V Q P S WN D Y D G H T G P A N W S R I S P C A K G H L Q S P I N I T S R N A V Y N S Q L WS Y M G K E G P D Y W G D L S P C K T G K N Q S P I N I T S R N A V Y N S Q L WG Y T G A T G P E H W G A L N P C A N G K M Q S P I N I T S K K K V K K Q N N K K L WG Y T G A T G P E H W G A L N P C A N G K M Q S P I N I T S K K V V K Q N N K K L F G Y T G P V G P N G W G R L S P C S N G K R Q S P I N I T S K K V V K Q N N K K L WG Y T G A T G P E N W G K L S P C S N G K R Q S P I N I T S K K V V K Q N N K K L WG Y D G P E G P T A W A K M A P C G S G H R Q S P I D I N D N K V S A Q C L WG Y D G P E G P T A W A K M A P C G S G H R Q S P I D I N D N K V E I V S N L WG Y D G P E G P T A W A K M A P C G S G H R Q S P I D I N D N K V E I V S N L

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JANSSON DE ANALY JANSSON DE A	UniRef90_U6NSY7	K PILIHII ID RILISIVIM S E MILIN T G Q M P RILIRII IG N S A R R PILIT G G PILIH
JANSSON DE ANALY JANSSON DE A		PPLRLMTGTTVSGTMHNTGRHVSFRLDK EQPVNI SGGPL
JARRESO JASCAS POLID F. R.Y. Q.A.T. F. I.E. N. N. G. H.Y. Q.V. D. R. D. A. G. T. H.T. E. G. N. R.T. E. J. J. N. N. G. H.Y. Q.V. D. R. D. A. G. T. H.T. E. J. N. R. R. J. D. D. D. D. D. D. R. J. R. J. J. R. J		F PILLIWS NY N PILIS M TILIA N S G H TIV LIF Q G S W T S T W P QILIK G G PILI
JARRESO DE SEMANY 3	UniRef90_Q3SGX3	P D L D F R Y Q A T P L R L I N N G H T V Q V D E S D A G T L T I G
Jinkelego Linkelego Link	UniRef90_UPI00036C717A	EQI VFDYKPSA FSVVDNGHTVQVTVGPGNYI SLQNRTFE
JANSSON SPRAYS JANSSON SPRAYS		S PL S S H Y R E S P A L L L N N G H T L Q I S L E G N N I L I V D S PL S S H Y R E S P A L L L N N G H T L Q A N E L D N L N T L E L A G V V S
JANSSON SPRAYS JANSSON SPRAYS	UniRef90_W5LAN1	QELTLDGESSNKTSMKNTGKTVALLKDD YFVRGAGL
JARRESO DIPLO00329C39D ON LO LIE G WN S E ST I I H N N G RT IV A I D W D G S G G C W A MARKED GONGS A G S A	UniRef90_F6PNY6	GRESESYDKKQTWTIVIQNNGHSIVIMMILLI GNKASII ISGGGILI
JARRED JAMOTO		ONLOUEGWNSESTTI HNNGKTVALDVDGE FEVSGGG
June 200 000566	UniRef90_J3MTQ7	G Y I I D H S Y R A A F A S I I V IN R G H D I I I I I I I I I I I I A G S I V V I I N G
June	UniRef90_H5V5N0	A PLNVHYTQGP VSLLNNGHTLQASFDQKAQNTLTIDGVK
Junkerson Upplood3280479 Junkerson Upplood3475558 Junkerson Upplood34755804 Junkerson Upplood34756804 Junk		A PLIOF HY OT G G K TILVIN N G H TILOVIN Y A P G S TILFIL
Junkergo (Jacoba) Junkergo (Jac	UniRef90_UPI00032B047D	GLFEFHYDLKKTWPVTNNGHSVMVSLDSQ VFILEGGGGL
Junkergo S2LH63	UniRef90_U3BF92	K DIL ELLT Y Q G NVT A LLT N N G H T L Q A E V S G D N T LLS LL D
Junkergo St. 163	UniRef90_N3C603	A PL HLD Y E G QVT EL VN N G H TI Q A NL T G K N T LTV
Junkelson 1942/236 Junkelson 1942/236 Junkelson 1942/238 Junkel	UniRef90_S2LH63	EPIAFDYE AKSSEILNNGHTVQINV LPGDTITVD
JAMES JAME		K QL KLIK Y D P S T S K GILLIN N G H S F QIVID F A D D D D R S IV LIQ D G G LI
JAMES JAME	UniRef90_T1G1A6	NKVHLDSVQVYSAGKTANNTFKSVKTSDEPLYVNLTGGPL
JANKEND VEHICUTIS VEHICLE JANKEND	UniRef90_Q4SLF0	
JANKEND VEHICUTIS VEHICLE JANKEND		DAVQYDYRPSR FTVIDNGHTVOOVNVAPGN SIFVI
Jinkergo Jishargo	UniRef90_UPI0001924B51	KALNED ROFILVHVTNIGWNI SERADNIRALSLY GGAL
JAIRGERO JASTOS JAIRGERO JAIRGERO JAI	UniRef90_K8W5L1	E PL KI NI H T H A Q K I I I N N G H S I Q I NV N D D D D F S I D D D D F S I D D D D F S I D D D D D F S I D D D D D D D D D D D D D D D D D D
Jinkelson Jink		P G F DIVIY Y R F T ALL KILLIN N G H T IL QIVINI P IL G S Y IL KILLIN N
Jinkelso	UniRef90_C4L9B2	KPLKFNY KAGGSQILNNGHTVQVVYDAGSNVVIDGV
JAIRGE90 D3VIZ7 JAIRGE90 D3VIZ7 JAIRGE90 QSVB76 JAIRGE90 J		GYLDYSYRPSP ANVVNRGHDIEVKFTGNAGRLVIGGRAY
JAIRGE90 G3TOF8 JAIRGE90 LOPI00036867B07 JAIRGE90 LOPI000375B04 J	UniRef90_D3VIZ7	V L IA F Q Q D K Q QIL I IN N G H T II QII INIVIS E G N T IL IR IL ID K
Jinkelso D8A/AS Jinkelso W6JGV9 Jinkel	UniRef90_G3T0F8	GPESESYDKKHEWTIVIONNGHTIVIMIVILIGDEA TIVIAGGGII
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Jinkelso D8A/AS Jinkelso W6JGV9 Jinkel	UniRef90_H6L4V9	PPLDIQYDQTVLHDVVNNGHSIQYDFEEGDYIVL E
Jinkelso D8A/AS Jinkelso W6JGV9 Jinkel	UniRef90_W5J5H4	ELVGYNNLLPGPLTLHNNGHSVSLALPKTDPHPYIFGGKL
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JAIRGE90 JASHJO3 JAIRGE90 JAIRGE90 JASHJO3 JAIRGE90 JAIRGE90 JASHJO3 JAIRGE90 JAIRGE90 JAIRGE90 J	UniRef90_G7YBG3	GQITITNVEQTNYTVINNGHTVEVRFNDKQW EISVGSD
JAIRGE90_JAHJ03 JAIRGE90_JAHJ0		S N H L Q L N Y Q P L S F S L K N N G H S L F G K A N S S D D Y L M L G
JAIRGE90_016W62 JAIRGE90_016UH13 JAIRGE90_016UH13 JAIRGE90_016UH13 JAIRGE90_016UH13 JAIRGE90_016UH13 JAIRGE90_016UH13 JAIRGE90_016UH14 JAIRGE9	UniRef90_J3HJ03	PPILITILISY QARKESII VINNGHTII IQII INIVIKEGDAILIKILI D
Jurikefoy _040026WAC8 Jurikefoy _040026WAC8 Jurikefoy _040026WAC8 Jurikefoy _040026WAC8 Jurikefoy _040026WAC8 Jurikefoy _0576Z2 Jurikefoy _08B10 Jurikefoy _08B5C68 _14		SPLQTHYVDGP VITLITNNGHTII QAS EQADTRDTII TLD
JURIKE90 SIGNAT STATES OF		KI D W S K G V E K I V N N G H T I Q V N V K P G S T L E L G
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Jurikefo U6HBYO Jurikefo BBETCB Jurikefo W8R696 Jurikefo W8R696 Jurikefo W8R696 Jurikefo U9W8R696 Jurikefo U9W8R696 Jurikefo U9W8R696 Jurikefo U9W8R696 U9W8R696 Jurikefo U9W8R696 U9W8R690 U9W8R696 U9W8R690		MPLNIEYQGMVIIG LINNGHILQAVVEGNNAVIIVDGV
Jurike190	UniRef90_U6HBY0	HPIVIKILIHGDQQILITII ISIVIENAG HDILLIFAIVI IFGIVI ITFSGGPILI
JniRef90	UniRef90_B8ETC8	PPI REDW PIVIDAAFII VINNGHTII IQII INEDEGAAII IKIVIG
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JniRef90_B8A5J3	UniRef90_B9IIU9	TPILITRIVIY KRGNAIVI VINNGENILIGII I <mark>H</mark> YEGN <mark>C</mark> GIVI I VIDG
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JNIRef90_Q7QBY3 JniRef90_Q3Q670 JniRef90_G3Q670 JniRef90_G7YBG2 JniRef90_G7YBG2 JniRef90_UPl000258EF7B JniRef90_E0VENDOWN	UniRef90_W1PHZ1	K SIL IK A R Y E P A H A T IL IA N S G H DII IGIL IE WE K G S A G A II HII N G
JNIRef90_Q7QBY3 JniRef90_Q3Q670 JniRef90_G3Q670 JniRef90_G7YBG2 JniRef90_G7YBG2 JniRef90_UPl000258EF7B JniRef90_E0VENDOWN	UniRef90_H2M0K9	QLEGWHKPTTDSTTIHNNGKTVAINV GGQFFVSGGGL
JniRef90_UP1000258EF7B	UniRef90_E0VKB8	II I IVVN N E Y E II IP E II IM MII I <mark>H</mark> N D G Y S II IA IV IN G G VV I N G K P E II I I G P II IN
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UniRef90_H2YZZ8	E S V V W T V F N E P L Y I S R A Q <u>A</u> E <u>T L Q</u> T <u>S L Y</u> A R A N S T D <u>L V </u> G G N
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UniRef90_K8W5L1	EGVVWLVMKQPIKASKEQLEKFQKALGHP N
UniRef90_I3LA69 UniRef90_Q31FD6	E GIVIY WIMIVIE K O PILIO A SIVII OILIE K MIH E VILIGS
UniRef90_C4L9B2	E G V R W I V M K K P V F V S K A Q I D A F K K V M V H A N
UniRef90_J3MTQ8 UniRef90_C0IX24	ESIVII WII VIFKDKII IKII ISNI QILIKKFRKILIKAQYGGAPG ILIMCDN
UniRef90_D3VIZ7	E G V I W M V L E Q P V S A S D E Q I K Q F R S V L L H H S N
UniRef90_G3T0F8 UniRef90_Q9VB76	E AIVIT WILLIF P D PILIPILIS P K QILIS R F R QILIS D T Q D G A LL VID N
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UniRef90_B6A7R3	
UniRef90_D2HLZ6 UniRef90_W6JGV9	EKVVWTVFQERIQLHKDQILTFSQKLY YDKEQKLRMTEN ESVMWFVMTEKLPISEAQVNVFRHV QNSNGTLKYN QNVMWTVFTKSVPVKPAQLELLRSL RTSKSSPLQDN EPAAWYILAQPVGLDPEQIRRLAAAAG
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UniRef90_A0A026WAC8 UniRef90_U0ELA4	E T A
UniRef90_S7I6Z2	E GVR WFV L K Q P QV L IS A Q Q D Q S L M Q V M G H N
UniRef90_U6HBY0 UniRef90_B8ETC8	ETVTWIILNRSIQISLKEMKVLRQLRTD KTLWSTSMADN ETVDWLVLRHPVEVLSADIDAFAELYPM
UniRef90_W8R696	E G V R W L V L K Q S V VA S R E Q G A L T A A V G H T
UniRef90_E0RBB1 UniRef90_U9VK84	E T V D WL V L R H P V E V L S A D I D A F A E L Y P M E G V R WL V L K Q S V V L S R E M K V L R Q L R T D K T L W S T S M A D N E H V N W T V L E Q P I E M S A D Q I N Q F A A I F P E T V N W I V M K E T I T V S L L Q V D R F I Q A I G E T V T W I L Q P E P I A I S S S Q I A Q F R Q I C S P D G P I P L N E T V T W V V L N K P I Y I T K Q Q L H A L R R L M Q G S P D H P K A P L G N N E T V T W V V L N K P I Y I T K Q Q L H A L R R L M Q G S P D H P K A P L G N N E S V T W I V L R E P I C I S E R Q M G K F R S L L F T S E D D E R I H M V N N E S V R W I V M E E P I T I S S Q Q E I V E W V I F S R P V P I S Y H Q L E A F Y S I F T T E Q Q D H V K S L R N N E N V I W N V I G K V R T I S K F Q V F A I K A P I G A D Y K O N
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UniRef90_B3RKE3 UniRef90_UPI00034FEFAF	ELVEWVIESRPVPISYHQLEAFYSLFTTEQQDHVKSLRNN
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UniRef90_G7YBG2	ENVMWTVFMKPIPIKSTQLSLLRNLRSSSYNVAEM LYDN
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UniRef90_E5SX27	EDVS WV L FTHPMPVTDDELNSFRELHANRREGEK WLQRN
UniRef90_UPI000463F9D7 UniRef90_W6V0V0	ETVT WILLNAPVTVT EEQMKGURDL RMSEFKNAGSMADN
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UniRef90_M1AHU3	E V S WYL LG K VR S I S R E Q V E E L R A P L D P T C KR N
UniRef90_E4X681	E GV N WI V FK N QET V S K E Q V E K FT Q T L G F E E GV Q WI V M Q D T I T A S P A Q I L Q L R Q A T G G V E I V S W Y I L G K V R S I S R E Q V E E L R A P L D P T C E A V V W T N F K E S L K I S S K T K E F M T Q F A K D D H G A D L V K N E N V V W T V L A R V R S I S E E Q V T A L R E P L C K D C K F N
UniRef90_V4S7G7 UniRef90_UPI0003B631D3	
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UniRef90_C5YFV4 UniRef90_K4C9M3	E D V W S V M A Q V R E M T V E Q A A A L M A P L
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UniRef90_F6PNY6	I R P L Q R P G Q R V V L R S
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UniRef90_S2LH63	NRPVQAVNARPV
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UniRef90_J3MTQ8	ARPIQKILNNREII
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UniRef90_UPI00034FEFAF UniRef90_B9IIU9	FRPRQSLNDRAVYKS SRPLQSLNGRKVE
UniRef90_B8A5J3	Y R E Q Q Q Q F M G Q V F S S Y
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UniRef90_H2M0K9	F R E Q Q Q Q F M G Q V F A S Y
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UniRef90_K7IYD1	YRPTQPLNDRPIY VRPLQRLGARQVHRS
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UniRef90_E4X681	FRNVQALNGRDV SF
UniRef90_V4S7G7 UniRef90_UPI0003B631D3	S R P V Q P L N D R K A R P V Q P A D G R L I K
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CHITCOSO_INTO SINIO	/ / / V Q

UniRef90 UPI000350B5E8	1
UniRef90_C1LFP9 UniRef90_A0A059KL89	NGNLSNGSPNLCQSGRHQSPINIMTKNLVYDHSL WTYEGKDGPAHWGELSPCSKGRNQSPLNLTGAI KGQL
UniRef90_H2S427 UniRef90_E9FXN3	WCYHGHCDPSHWHLLHSKCGGERQSPVNIEKKSVVVDERL NWKEHESHCGGQHQSPINIESDTAIIANYP YGYGSPNGPENWGKLSPCGEGKQQSPIDIVTKQAVPAATL
UniRef90_B4FPD6 UniRef90_UPI00047997AA	WSYEGEHDPAHWGDFHT <mark>C</mark> GDGMYQSP N T S <u>V</u> QH <u>T H</u> Q
UniRef90_A0A034WLW9 UniRef90_Q8GTK1 UniRef90_K4DAC0	F D Y E H Q S K W Y D D F R Q C S F N R Q S P I E L N S N E A V I S Y D L Y S Y G S P R G P Q N W G S L K P C S S G K M Q S P I N L G L L D L T L A P G L F S Y D S E N G P T H W G E I H P C N T G K L Q S P I D L L N E R V E V V S H L
UniRef90_F0V1B0 UniRef90_F2EA94	WGYEGQQGPAHWGKVAKCSTGQNQSPVNI AS TTKAKL FGYTPPDGPENWGKLSPCNEGKAQSPI DI VTASALPNPNL
UniRef90_H2U9F4 UniRef90_M0Z842	WDENYPYCGGAFQSPINIKSELMRFDPTL FGYSGSLGPGHWGGLDPCAMGTYQSPVDIKTREVAYNPML
UniRef90_A0A022PQT7 UniRef90_D3A3G5	FSYGAYNGPENWGNLNLCGTGTNQSPINLDNTVVVWPSLWSYTGENDAAHWGDLSECKTGKQQSPVDFSATKAVKG
UniRef90_U5CTF7 UniRef90_UPI00032A7650 UniRef90_N9MHC1	F G Y D G A T K P A L WA S L H P C S H G S N Q S P I N I V K G D L T L N K D L F N Y D E K S G P Q H W G D I K P C K N G T M Q S P I D L L N Q R V Q I V S N L W S Y A A Q T A P D K W S Q L K P A C A G M N Q S P I N I A Q T T P A Q L
UniRef90_W4XCN3 UniRef90_F1QTX6	E E WHILLIGSYCNGTSQSPI NI NTSI A THI DIL WCYNNPACNPN WPNI A PYCNGSSQSPI DI VITA QVQGNPNL
UniRef90_W5F353 UniRef90_T1JF35_	F G Y N G R T G P K H W G S L S P C S K G L Y Q S P L N L V R D C V V H D P Q M
UniRef90_D6DMU7 UniRef90_S3PP89 UniRef90_A2VD39	WSYQGEGAPEHWGELDTCKSGMYQSPVNIDNTVKAHISPL WGYADQQAPAYWSSMYQACSGLNQSPINID QTVDAQL WCYNNPCNFTTWPELSPYCNGSSQSPINIVTAQVLENSNL
UniRef90_K0VKW9 UniRef90_UPI0003752440	WSYEGQSGPDHWGAMAP <mark>C</mark> SAGSQQSPLDLT GAVKAEL WSYDGETGPEHWAELETNCNGNEQSPLNLVNEKTAED
UniRef90_W9RFT7 UniRef90_UPI0001FE6E02	FTYSGLTGPAKWGSLSPCSSGKVQSPVNIKKDEVVRNKKLWSYSHGAGPDQWSRLSRCGHGERQAPVSITTSKAAYNPAFWGYRGELGPENWAALNECETGLQQSPVNIDTEALTPKPK
UniRef90_U7QG90 UniRef90_B0WWT4	WGYRGEIGPENWAALNECETGLQQSPVNIDTEALTPKPK QSPISLCQRSTAFKDGV
UniRef90_UPI00036E1EBE UniRef90_UPI0003EAFF36	WTYEGAEGPAHWADLAKCEAGHEQSPVDLT HAVKAEP
UniRef90_UPI0003C17FB8 UniRef90_UPI0003502E25 UniRef90_M0SCH2	WCYDIQAGPDHWGG DCQKSHQSPIDIITNKTRLDHSL FSYGSELGPEHWGELHKCGDGHMQSPIDLSHKRVRILPNL
UniRef90_G3NYN9 UniRef90_A5EYZ0	K Y G P S L WH T M H S Y C G A E R Q S P V D I E A Q A A V P D E S L WG Y E G E H A P E H W G K V A P C A E G K N Q S P I D V A Q S V E A D L
UniRef90_M5W2Y5 UniRef90_H2U5X3	FTYILIFGTGPKKWGOILIDPCDNGKILIOSPILIDILLIDORIVIOIVIFPNILI
UniRef90_Q2IR52 UniRef90_B9STU9	WCYQSQYDPIHWAAQFPSCGGLRQSPINIVTSKVHMNNAL WGYEGDGGPAKWGELDPCSVGVQQSPIDIGT TIGANL FDYEGERGPARWGELHACSNGSMQSPIDMLNERVEVVSHL WAYEGKGGPVDWGALHACAAGKEQSPVDIRDAIPAKLPAL
UniRef90_G2T963 UniRef90_C8NA28 UniRef90_UPI00038BEF64	WSYTGKDSPEHWGDISP <mark>C</mark> RLIGKNQSPVDLSTVEATADNSA WGYANHNGPDHWHFIIYPIIAKGDNQSPIIFIIHTKDIIKHDPSII
UniRef90_W9VT92 UniRef90_K3YJ19	WGYSGAEGPEHWGELIDQCRNGRNQSPIDLAEF VDARL FSYGDEHGPEHWGELIKACGAGRMQSPIDLHHERVSLVRGL
UniRef90_UPI0002B4325D UniRef90_UPI0003C357DD	FDYGSQKGPGHWGELLKK <mark>C</mark> NNGDLLQSPIIDLLSSQRVKII VPQL WSYKEO DKWSEKHPTCGSOROSPIIAENTNEAEIIKILTII
UniRef90_D3RV11 UniRef90_Q7VHP3 UniRef90_B6EIU7	WDYVGQEGPEHWGDLDPCKRGKNQSPVDLKHF VDSRL WGYGLDDGAEKWASLSPCKTGKRQSPINITRSHLKPTEN WSYSGETAPTNWHG TCQSGVNQSPIDITHALE STL
UniRef90_UPI000365CAE7 UniRef90_M3C8M9	WSYSGSNGADSWGSLSSCANGSMQSPIVIEGTEAVYMNRL WSYEGATGPEHWASLSACGTGRAQSPVDLDEDAAVETGA
UniRef90_UPI0003EE3933 UniRef90_G2E2U1	WAYSGSQGPEHWGDLDACRTGRLQSPIDIDRVHRVP WCYESHCSPSQWHLLHSSCDGERQSPINIEKKSVEVDENL
UniRef90_H3DCL2 UniRef90_A6CYG3	WGYGADNGPAHWGSESST <mark>C</mark> SGKNOSPIIDII IETOSII ITA AEM
UniRef90_A0A016S693 UniRef90_Q8WRV4 UniRef90_UPI0003113BA4	WGYVDK SAWKK TCKTGKSQSPIDLDISQAILVDWE NEPERWGG QCETGRRQSPIDLTYQAAVKGDFA WSYTSPTGPDEWGDLHDCNTGTQQSPINIKANTPGRLPAL
UniRef90_A0A016TDZ4 UniRef90_UPI000454324A	GPDFWGLVNMCTAGQMQSPVNIDPAQLLFDPHL WCYDDPCGPKTWPRKH CSGRRQSPVAIDWADRSVPASHF
UniRef90_K7MZ34 UniRef90_A0A059DF21	Y G Y N E K N G P Q H W G D L K A C K I G Q I Q S P I D L S T N G V E V I P K L F S Y G S E R G P E N W G E W R A C S E G R M Q S P I D L A R E N V E V I P H L
UniRef90_M4EE00 UniRef90_V8CD88 UniRef90_R0IKZ9	F S Y N Q E N G P E K W G K L K P C G K G E M Q S P I D L M H K R V R L V S H L W S Y K G T N A P A K W G D L S P C K K G V Y Q S P I D I K M E N V F Q A N T A F N Y E G D K G P E N W G K L K P C G K G N M Q S P I D L T D K R V L V D H K L W G Y E G K E A P E N W G K L S P C Q D G Q N Q S P V D I H G A L H S N L
UniRef90_K0IK29 UniRef90_C4SJZ0 UniRef90_V4P8W5	WGY EGKEAPEN WGKLSPCQDGQNQSPVDI HGALH SNL WTYDGETGPQHWAEMTVCATGQRQSPIDI SGPPRNLSSRL
UniRef90_B4J7T1 UniRef90_H8MF79	GYSSIVIQGANSW TILIAPADA NQSPII INII IDEQII VIQRILIAII IR
UniRef90_H0PT46 UniRef90_R9TE22	WSYEGETGPDRWGRMRP <mark>C</mark> AEGKRQSPIDLRNGVAV DL WGYGGEGNPVNWYKDYLQCGGKRQSPVNLPYVLKAPNRGR
UniRef90_W9GVU7 UniRef90_A7DX12 UniRef90_UPI00047CBCE3	WAYEGAEGPEHWGVLTPCSLGLEQTPIDIDGAVRAEMGSI NGPENWGSLKPCRNGKSQSPIDIKNVEG FSQL WGYAGEEGPAAWASLSPCGEGKGQSPINIAKTDVKVDYKT
UniRef90_UP100047CBCE3 UniRef90_V4NF13 UniRef90_E9G343	WSYEGDDGPSHWGDNTT <mark>C</mark> ASGHROSPIINIISGMA <u>G</u> AKTVNM
UniRef90_UPI000440BE72 UniRef90_UPI0003EA7E08	WCYHLHTCNTTWHTVVEHCNGTQQSPVNIVTTDVKEDASL KROSPINIVTNOAKPSSNI
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UniRef90_H9KAK5 UniRef90_K7LQE2 UniRef90_R8US77	WGYQGDNAPENWGNLQTCASGKTQSPIDI FDSKNNKQLFNYDSEIGPFNWGHIKPCKIGSMQSPIDLLNERVQIVSHLWGYTGENGPAQWGELSKCQTGINQSPIDIQTATTNKL GL
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UniRef90_A0A022PWL6 UniRef90_L8MCD8	FTYESEKGPKKWGQLNPCENGKRQSPINLVHAKSSPSPSLWSYRGDQGPDHWGELKLCSTGQMQSPVNIDWREVTSRSVDWGYEGENGPEFWGKFSECQQGKNQSPVNIQS TVLGLM
UniRef90_K5UIZ1	WGYEGENGPEFWGKFSE <mark>C</mark> QQGKNQSPVNIQS T <u>VLGI</u> M

	50 60 70 80
UniRef90_UPI000350B5E8 UniRef90_C1LFP9	EPLERDY TATNATI VDNVFNI ALRYNDTAETVKVGGTKY STMELEGEKQLELVVENCGYDI RI SLT GEFLQLNGGPS
UniRef90_A0A059KL89 UniRef90_H2S427	PMLEFDYR AGGREVINNGHTIQVNYAPGSTMRV N KSFTFFDD <u>KH</u> ALEYIINTGHAVK <mark>C</mark> TLKQDAAVEISGGGLK
UniRef90_E9FXN3	F F II I F H K Y DII I I F P G R II I F N N G H T I V I F II I K II I F F O G M II I P F II I T G G G II I
UniRef90_B4FPD6 UniRef90 UPI00047997AA	DTLNRTY GATNATLINDGHDITLALEGKVGTVTVNG KPLQLHFSPEDSLRVINNGHTLEVE DKKGDTLTVD
UniRef90_A0A034WLW9 UniRef90_Q8GTK1	PSLKFHYDVPYQKAVENNGHTANIQLPTDSAYIVGGPLLNGNLNYTYQNAN ASVVNRGHDLMVRFDGDAGSLKING
UniRef90_K4DAC0	G R L H R S Y K T T S Y A T L L N R G H D M M L R W E G G A G H I V I N G
UniRef90_F0V1B0 UniRef90_F2EA94	GQLQFDYQGRAIA I LNNG <mark>H</mark> TLQTTLEGRNTLTI D DTLSRVYVP CNATLHNNGKDIVMTFERDGEPVMPGSINI
UniRef90_H2U9F4 UniRef90_M0Z842	DTLSRVYVP CNATLHNNGKDIVMTFERDGEPVMPGSINI RPINVRNYPNEQLTFGNNGHSVQLSLPSKMYISGL GPLHRDY TAANATLVDNIFNIALRCEDAAGTVQIDGV
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UniRef90_UPI0003EAFF36 UniRef90_UPI0003C17FB8	R P H G Y D Q P G T E P L D L H N N G H T V Q L S L P S T L Y L G G L
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UniRef90_C4SJZ0 UniRef90_V4P8W5	A P L A V H Y
UniRef90_B4J7T1 UniRef90_H8MF79	E L L N WN H Y D E L P A S E N T G Q T L L L R A K F R S N V P T V S G A D L E V P R F H Y A T S R V R M L N T G H T V Q F T Y D N G S T V R V G
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UniRef90_UPI000440BE72 UniRef90_UPI0003EA7E08	T A F N F T G F D D N S T <u>V</u> L <u>I Q</u> N A D G <u>K</u> S <u>V K V G L </u> D S <u>K M S V S G G G L K T <u>F</u> D F D Y D <u>E</u> T F N T F I R N N G H S <u>V K V N L S S T T I S S G N L S S T T I S S G N L S S T T S S G N L S S T S T S S T T S S G N L S S T T S S G N L S S T </u></u>
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K S S

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UniRef90_N9MHC1	PO OPGFALLI	N H O DIVIA	AAFIIPFO	RDYYRFNGS	II T T P P C T
UniRef90_W4XCN3 UniRef90_F1QTX6	DYVSQGNTSLS SNIPNSGNTYT	DIMDQL	TLEGVNK	T	LTTPPCN
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UniRef90_Q8WRV4 UniRef90_UPI0003113BA4	QUIIKUKSAPILIK PRHEGDAVITI	GKLSPH LRTLDL	N P L P K N R K S L F P A K	_	L T T P P C T
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UniRef90_E9FXN3 UniRef90_B4FPD6	ENV VWSV LGKVRQI SQDQLQLLKAPLPGSD
UniRef90_UPI00047997AA UniRef90_A0A034WLW9	E G V R WM V L K H P Q T V S E Q Q L Q R F S A V M H H Q A V T W V F S H P L T I T P S Q M E R F R R L SDG H G A T L E N N
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LINIDATON HOLIGEA	$D \ C \ I \ I \ I \ M \ T \ I \ I \ C \ D \ C \ I \ I \ I \ C \ C \ C \ M \ A \ I \ I \ A \ T \ T \ I \ I \ C \ C \ C \ D \ C \ I \ I \ A \ C \ D \ C \ I \ I \ A \ C \ D \ C \ I \ C \ A \ C \ D \ C \ $
UniRef90_Q8GTK1 UniRef90_K4DAC0 UniRef90_F0V1B0 UniRef90_F2EA94 UniRef90_H2U9F4 UniRef90_M0Z842 UniRef90_A0A022PQT7 UniRef90_D3A3G5	ENITWTI I QEVRSVS KE QI KLFRVA A H DESNS
UniDef00_U0C1F7	ENVITWILLORVERS OF CHILDRAND ENGILLAN
UniRef90_W4XCN3 UniRef90_F1QTX6 UniRef90_W5F353 UniRef90_T1JF35 UniRef90_D6DMU7 UniRef90_S3PP89 UniRef90_A2VD39	E G V R WILL G E V R Q I Q A S R Q Q I Q A F S Q L M E H P E S V I W N V L E E P I S I S Q A Q L D T L R N V Y G D T R D S A G E T T V N N E D V I W T V F K E P I K V N N N L I N R F C T K V F A K T A K A S D L N V N N E N V I W N I L G E I R E M T K E Q A V A L M A P L E K S Y R Q N E T V T W I I M N K P I Y I T K Q Q L Y A L R R L M Q G D R E H P K A A L A N N
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UniRef90_UP10003502E25 UniRef90_M0SCH2	EGVVWTI IKKVRTVSREQVALLREAVHDDSE MN
UniRef90_G3NYN9 UniRef90_A5EYZ0 UniRef90_M5W2Y5 UniRef90_H2U5X3 UniRef90_Q2IR52 UniRef90_B9STU9	E GVR WLV LK E PAHLSN Q Q E Q Q LSAV MGHN
UniRef90_H2U5X3	QAVAWTVFHRTLSISSRQ
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UniRef90_V8CD88 UniRef90_R0IKZ9	E GV I WI VIN I MPLEASKA QIVIA A FIKVIF
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II 'B (00 B0BI I0	1 10 20 30 30 40
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UniRef90_UPI00047D800F UniRef90_E0UHC8	FAYTGDNGPGFWGE SPACTSVRQSPIDID RVVLDQKLWSYSGEENPHHWAALSPCSKGQNQSPINFESGT <u>RE</u> KSP <u>N</u> L
UniRef90_C5K4L6 UniRef90_D6W9D0	WSVDDO SSWDGILL CTNGTSOSDILISILIOTAAIVLIDOSIVIM
UniRef90_Y0KJF2 UniRef90_H6TAK0	YGYSDSDGPNTWKYRFQI RGENQSPINI LSV <mark>C</mark> AVVVPTL WSYEGKTGPDQWGKLDACSTGLNQSPAPLDSTIH AAL QQSPIDI INNETIYKNYL
UniRef90_B3NK05 UniRef90_UPI000360FCF5	YNYAWDRGPHTWNT P <mark>C</mark> NNQSP N ERN <mark>C</mark> L D NYFE
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UniRef90_B7JZV8 UniRef90_E9J2H8	WDYDDPD NDWPILIAPDANGNEOSPILNIITETPPILDIIS
UniRef90_A0A022RP91 UniRef90_E4XVI3	F G Y A Y Q N G P H T W K D L Y P E S T G S N Q S P I N I T T R L A V V V Q P S G E K G P R K W G H I K A C N N G T M Q S P V D M S N A R V R I I S K P Y D Y S S Q G S N W A S G V C A S G Q G Q S P I D I D D S T T T P V S T D
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UniRef90_UPI0004766E4A	EAPREDYRETG FRIADTGRTLRVHVGAGM GVVLR
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UniRef90_V8D7S6 UniRef90_Q7QFC1	A S DIL INILIS Y GIVIS SILIKIV VIN N G H LILIO A NIVILD G E LIVILE K
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UniRef90_UPI00042BAF27 UniRef90_UPI0003AF2606	MKNTGKTVAILLKDD YFISGAGL
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UniRef90_F1QZG9 UniRef90_UPI000328E110	QLHGFNLTHKGQWWLTNQGHSVVLEVGDGMQ VSGGGL
UniRef90_UPI00047D800F UniRef90_E0UHC8	E P L R V I A T E T A T V I S N P G Y T L V G K P D N R P T F E L G G V T Y T V F N Y Q N T P L N I V N N G H T I Q I N Y A K G S R V I I G
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UniRef90_D6W9D0 UniRef90_Y0KJF2	DFTSEYHITPQEMKL LNDGYTVVI STWSNGRKPTV <mark>C</mark> GGPL KPIRSI QKFTAKDIQRLPHGMRVNFKEGNMMVLDKSAFQ
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UniRef90_UPI000360FCF5	Y PIL LIF E Y Q PIVIP ILIKIV VIN N G H T ILIQIVIN Y D S PIVIQ Q K T IVISII IG G K
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UniRef90_I1INH4 UniRef90_UPI000329ACFF	DPLTRNY LASDATLVNDGKHISASPGLIMAGKPGTVTIG TEFTFYDDTSAMTSMTNTGDTVQVTLKSG VKLSGGDL
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UniRef90_Q989K6	DLSWLKG GGRMVNNGHTLQLNMPEGSTLTR <u>G</u>
UniRef90_UPI00026573F0 UniRef90_J3LXM3	N M T D R P R WI E G S V L E P L H R N Y T A A N A T L V D N L F N L A L R C G D A A G A V S L N G
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UniRef90_E1GJJ9	KKUKEEYTUGDUKTUEVNGEGES <mark>C</mark> KTDE G <mark>C</mark> TSEUTASHU
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UniRef90_UPI00042BAF27 UniRef90_UPI0003AF2606 UniRef90_UPI0003AF2606 UniRef90_C5YM88 UniRef90_UPI0003769350 UniRef90_B0UME8 UniRef90_D7TSB3 UniRef90_H2S0J9 UniRef90_B0WFA0 UniRef90_UPI00035D4065 UniRef90_UPI00035D4065 UniRef90_UPI00042B954E UniRef90_UPI00042B954E UniRef90_B3KUB4 UniRef90_B3KUB4 UniRef90_UPI000328E110 UniRef90_UPI000328E110 UniRef90_UPI00047D800F UniRef90_UPI00047D800F UniRef90_UPI00047D80F UniRef90_UPI000360FCF5 UniRef90_UPI000360FCF5 UniRef90_UPI0003B41D4E	PAEFRIL LQI HWHTPS EHTILDGRRYDMELHILVHWDT LTHYEF PAHYDLLQFHFHAPS EHRILDGRSFPMEVHFVHRD KLEQLHWHTPS EHRILDGRSFPMEVHFVHRD KLEQLHWHTPS EHRILDGRSFPMEVHFVHRD KLEQLHWHTPS EHTVNGTSFQMELHIVNIK KTDYLFQQFHYHLGS EHTVNGTSFQMELHIVNIK KTDYLFQQFHYHLGS EHTFEGKRYAAAEAHFVFFN GAAYQLLQFHFHTPS EHTFEGKRYAAEAHFVHRD KQFVLQQAHWH SPSEHTVNGRRYALELHMVHQS GTEYFLQQAHWH SPSEHTVNGRRYALELHMVHQC GQAYDLVEFSFHVPGLHAFQ NQTFEMEEVHFHWGLKNNRGAEHVLNGLRYSMETHIIHYN QSRYSATQLHLHWGNPNDHGSEHTVSGQHFAAELHIVHYN PAATYRTFQLHFHWGNNPNDHGSEHTVGGGHRFPAEIHVVHLS GREYRALQLHLHWGNPNDHGSEHTVGGGHRFPAEIHVVHLS CDEYKLFSIRFRWGPNDEEGSEHTVGGGHRFPAEIHVVHKN CDEYKLFSIRFRWGPNDEEGSEHTVGGGHRFPAEIHVVHKN SDTFFLSEFHAHWGSTDEYGSEHLVDGRASPMELHFVHYN NGRFYAMELHLVHYNN CDEYKLFSIRFRWGPNDEEGSEHMIDMRRYAMELHLVHYN SNDTFLLSEFHAHWGSTDEYGSEHLVDGRASPMELHFVHYN SNDTFLLSEFHAHWGSTDEYGSEHLVDGRASPMELHFVHYN SNDTFLLSEFHAHWGSTDEYGSEHLVDGRASPMELHFVHYN SNDTFLLSEFHAHWGSTDEYGSEHLVDGRASPMELHFVHYN SNDTFLLSEFHAHWGSTDEYGSEHLVDGRASPMELHFVHYN SNDTFLLSEFHAHWGSTDEYGSEHLVDGRASPMELHFVHYN CDEYKLFSIRFRWGPNDEEGSEHTVDHRRRYAMELLQVTYNK LKYMDV SNNYLAKEAHFHWG YENFGSEHLVDGRASPMELLQFLHVDD SFPVKSRPVYNSKLMLGDVP YKLLQFHFHTPSEHAUTON SFPVKSRPVYNSKLMLGDVP YKLLQFHFHTPSEHAUTON NONYLAKEN
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UniRef90 D3PIJ3	130 140 150 160 SKYGTNLEEAVQKGNG <u>S</u> FV <u>LIGIL</u> FEVQEEDNAFDE <u>I V</u> K <u>GL</u>
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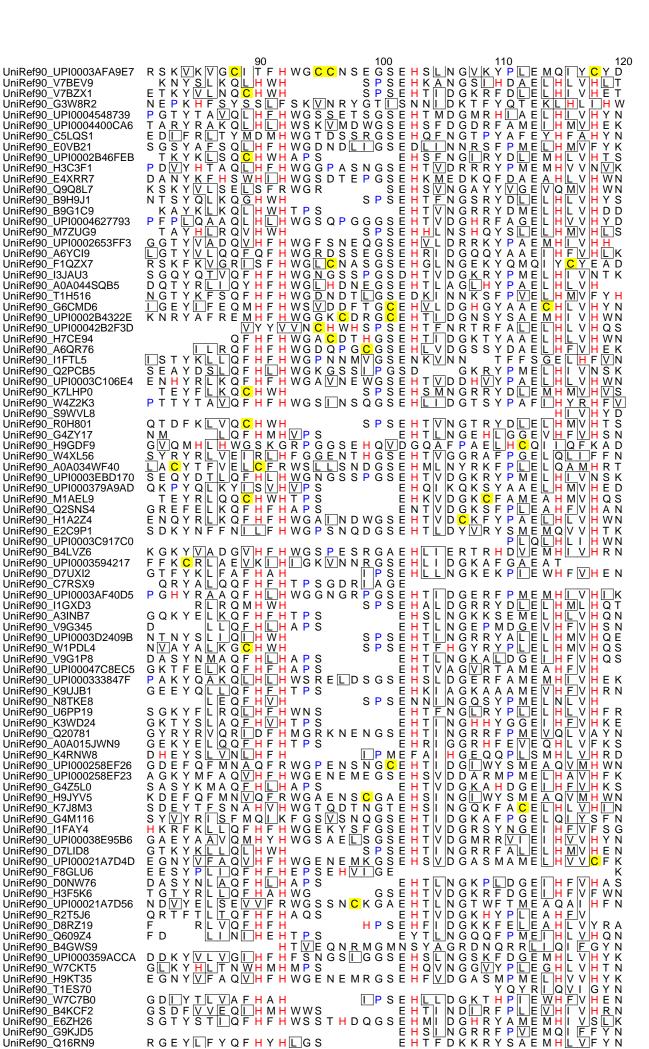
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Unimedio Ansido		EGV LIWIII LIKKIVIK IIVIS EEQII KALIREAVI DGFEK
Unimedio Ansido	UniRef90_B3W2D3	EGVIKWITVITOEPILIFVISREOLIDREOSLIVPS
Unimedio Ansido	UniRef90_F2E858	ĒĞVĪWĪVĪKR <u>VA</u> TVŠTDQLK <u>LLT</u> D <u>AVH</u> DGFE MN
Unimedio Ansido	UniRef90_B3U4N2	E GIVIH WILV LIK E PILISII T S A HILI D R F IVISIL
UniRef90_CSYM88 UniRef90_DFU003569350 UniRef90_BOUME8 EG_V_WM_V_F_D_Q_P_LE_A_S_WS_0_S_0_L_QR_LQ_D_Y	UniRef90_N6YKC3	E GIVE WIV VIIM RESIDENTS OF DECLAR OF A RELYP
UniRef90_CSYM88 UniRef90_DFU003569350 UniRef90_BOUME8 EG_V_WM_V_F_D_Q_P_LE_A_S_WS_0_S_0_L_QR_LQ_D_Y	UniRef90_B4P842	QGTEWFI FPESILAI SDFQLRHFRLLLGP DGLSPNARN
UniRef90_CSYM88 UniRef90_DFU003569350 UniRef90_BOUME8 EG_V_WM_V_F_D_Q_P_LE_A_S_WS_0_S_0_L_QR_LQ_D_Y	UniRef90_R0FP82	ETVDWVVLTQPVQVSEAQIINAFERIIYSF
UniRef90_CSYM88 UniRef90_DFU003569350 UniRef90_BOUME8 EG_V_WM_V_F_D_Q_P_LE_A_S_WS_0_S_0_L_QR_LQ_D_Y	Unikei9U_B4NI29 UniRef90_UPI00046C1303	F GILL WTV F T N T I PILS N S OV K S F P MILK T D F G N
UniRef90_CSYM88 UniRef90_DFU003569350 UniRef90_BOUME8 EG_V_WM_V_F_D_Q_P_LE_A_S_WS_0_S_0_L_QR_LQ_D_Y	UniRef90_UPI0000DB7CE2	EVVTWLIFPKPVPLSFTQLNKFR LLCNGEGT LANN
UniRef90_CSYM88 UniRef90_DFU003569350 UniRef90_BOUME8 EG_V_WM_V_F_D_Q_P_LE_A_S_WS_0_S_0_L_QR_LQ_D_Y	UniRef90_J3MY25	E GV L WT I M S K L A D A S K E Q I D L F K T V T T R V E P N
UniRef90_CSYM88 UniRef90_DFU003569350 UniRef90_BOUME8 EG_V_WM_V_F_D_Q_P_LE_A_S_WS_0_S_0_L_QR_LQ_D_Y	Uniket90_UPI00042BAF27	EIL VIE WIL VIERKPINSTIS YHQILLEAFYSTIETTEQQDHVKSLRNN
UniRef90_CSYM88 UniRef90_DFU003569350 UniRef90_BOUME8 EG_V_WM_V_F_D_Q_P_LE_A_S_WS_0_S_0_L_QR_LQ_D_Y	UniRef90_U6NLD5	Ĕ ŚĮV ĽĮWĮĮĮ MĖĮT PĮVĘĮV S H K QĮĽĮR Q F H RII Ė GĮVIK E N
UniRef90_P1000328E110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0W9D0 UniRef90	UniRef90_C5YM88	E G V V W T V V R K L S P V A K D Q V K L L R D A L Q D G N T M N
UniRef90_P1000328E110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0W9D0 UniRef90		E GIVIY WMIVIF D Q PIL E A SIVIS QIL Q RILIQ D Y E TIVID WRIVIO PILEIVID A E DILIP DE TAILV D M
UniRef90_P1000328E110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0W9D0 UniRef90		E GV I WT I SKKVNTVSKE QVE SLRRVVHDGHE GN
UniRef90_P1000328E110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0W9D0 UniRef90	UniRef90_H2S0J9	EAV VWTVFKDSIKVSKDLIDLFSTSVYFNTSKNSEFMTDV
UniRef90_P1000328E110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0W9D0 UniRef90		ETVQWLVASERVPLTKSELVRMRNL EGRGGRW <u>V</u> QN
UniRef90_P1000328E110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0W9D0 UniRef90		E GIVIN WIV VIFIK T PILIDAS QT OILEAM QKILTIG QEN
UniRef90_P1000328E110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0W9D0 UniRef90	UniRef90_UPI00042B954E	E GV I WT MN K K I R T V S R D Q V R A L R I A V H D Y A E A
UniRef90_P1000328E110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0W9D0 UniRef90		E PV L WF V F R E P L E V S A E Q L Q L L A R A T G A
UniRef90_P1000328E110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0UPLO0032F110 UniRef90_E0W9D0 UniRef90		PTV I WHI F A N PI PI S F R Q KI R P N S L P I V C T H M D D P S P M I N N
UniRei90_UP100047/D800F UniRei90_CDUHC8 E G V N W F V F K T PILK V S P Q Q I Q P F T Q I Y UNIREi90_CB0WD0 UniRei90_OBWD0 UniRei90_VOKJF2 E G V R W I I M K S P R Q A S E Q L K A F A D A I G UniRei90_B3NK05 UniRei90_B3NK05 R G A E W I I M K S P R Q A S E Q L K A F A D A I G UniRei90_B97345 UniRei90_B97345 UniRei90_B97345 UniRei90_UP10002841D45 E G V I W I V J R K M R E L S R Q L N E F R L UniRei90_UP10002841D45 E G V I W I V J R K K M R E L S R Q L N E F R L UniRei90_UP10002841D45 E G V I W I I M K S P R Q A S E Q L K A F A D A I G UniRei90_UP10002841D45 E G V I W I V M K D A M E V V S G Q Q V S R F T Q L UniRei90_UP10002841D45 E G V I W I V K K K V R T V S M A Q V V M R E A V H D Y A E K UNIRei90_UP10002841D45 E G V I W I V I K K K V R T V S R A Q V K M I R R A V H D Y A E K UNIRei90_UP10002373450 UniRei90_UP10002373450 UniRei90_UP10002373450 UniRei90_UP10002373450 UniRei90_UP10002373450 UniRei90_UP10002373450 UniRei90_UP100022734500 UniRei90_UP10002373450 UniRei90_UP100022734500 UniRei90_UP10002573450 UniRei90_UP10002573450 UniRei90_UP10002573450 UniRei90_UP10002573450 UniRei90_UP10002573450 UniRei90_UP10002573450 UniRei90_UP10002573450 UniRei90_UP10002573450 UniRei90_UP10002573450 UniRei90_UP10002587350 UniRei90_UP10002587350 UniRei90_UP10002587350 UniRei90_UP10002587350 UniRei90_UP100025873750 UniRei90_UP100025873750 UniRei90_UP100025873750 UniRei90_UP100026573750 UniRei90_UP100026573750 UniRei90_UP10002747340 UniRei90_UP10002747340 E G V I W V V F R E F P V R V S R D L R R V H D D S N R Y P L I N N N N N N N N N N N N N N N N N N	UniRef90_F1QZG9	EVVLWTIYEVPVYISWAQFEQFVSGIYSTEEEIQALLHDN
UniRef90_C5K4L6 UniRef90_D6W9D0 E_GV_RWI_I_Q_PE_PL_AIL_S_S_H_QIL_RQFRRL_MG_F UniRef90_H6TAK0 UniRef90_B3NK05 UniRef90_B3NK05 UniRef90_B3NK05 UniRef90_B3NK05 UniRef90_B3NK05 R_G_A_E_WL_I_H_PE_S_L_AI_S_E_RQL_NE_F_R_LL_R_R_D_R_R_G_A_R_I_G_R_N UniRef90_B3NK05 R_G_A_E_WL_I_H_PE_S_L_AI_S_E_RQL_NE_F_R_LL_R_R_D_R_R_G_A_R_I_G_R_N UniRef90_UP1000360FCF5 UniRef90_WSP1345 E_GV_R_WI_I_K_K_K_V_R_T_V_S_R_A_Q_V_S_R_F_T_QL_R UniRef90_UP10002841D4E UniRef90_UP10002841D4E UniRef90_UP10002657575 UniRef90_UP10002657575 UniRef90_UP1000273A560 UniRef90_UP1000273A560 UniRef90_UP1000273A560 UniRef90_UP1000273A560 UniRef90_UP1000273A560 UniRef90_UP1000284C2A UniRef90_UP1000284C2A UniRef90_UP1000284C2A UniRef90_UP1000284C2A UniRef90_UP1000286C2A UniRef90_UP1000286C3750 UniRef90_UP10002873F0 UniRef90_UP1000286C3750 UniRef90_UP10002873F0 UniRef90_UP1000284C2A UniRef90_UP100028AC2A UniRef90_UP100047AC3AB E_U_V_L_WT_V_F_K_E_PI_K_V_S_K_D_R_Q_U_D_S_T_A_PI_L_G_A N_Q_H_N_N_UNIREf90_UP100047AC3AB UniRef90_UP100047AC3AB UNIREf90_UP10	UniRef90_UPI000328E110	Q G V I WT V F N Q T V R L S A K Q L H T L S D S L W G P D D S R L Q L N
UniRef90_C5K4L6 UniRef90_D6W9D0 E_GV_RWI_I_Q_PE_PL_AIL_S_S_H_QIL_RQFRRL_MG_F UniRef90_H6TAK0 UniRef90_B3NK05 UniRef90_B3NK05 UniRef90_B3NK05 UniRef90_B3NK05 UniRef90_B3NK05 R_G_A_E_WL_I_H_PE_S_L_AI_S_E_RQL_NE_F_R_LL_R_R_D_R_R_G_A_R_I_G_R_N UniRef90_B3NK05 R_G_A_E_WL_I_H_PE_S_L_AI_S_E_RQL_NE_F_R_LL_R_R_D_R_R_G_A_R_I_G_R_N UniRef90_UP1000360FCF5 UniRef90_WSP1345 E_GV_R_WI_I_K_K_K_V_R_T_V_S_R_A_Q_V_S_R_F_T_QL_R UniRef90_UP10002841D4E UniRef90_UP10002841D4E UniRef90_UP10002657575 UniRef90_UP10002657575 UniRef90_UP1000273A560 UniRef90_UP1000273A560 UniRef90_UP1000273A560 UniRef90_UP1000273A560 UniRef90_UP1000273A560 UniRef90_UP1000284C2A UniRef90_UP1000284C2A UniRef90_UP1000284C2A UniRef90_UP1000284C2A UniRef90_UP1000286C2A UniRef90_UP1000286C3750 UniRef90_UP10002873F0 UniRef90_UP1000286C3750 UniRef90_UP10002873F0 UniRef90_UP1000284C2A UniRef90_UP100028AC2A UniRef90_UP100047AC3AB E_U_V_L_WT_V_F_K_E_PI_K_V_S_K_D_R_Q_U_D_S_T_A_PI_L_G_A N_Q_H_N_N_UNIREf90_UP100047AC3AB UniRef90_UP100047AC3AB UNIREf90_UP10		E I V IN W F IV LIK R WA E LIS Q E Q F D A F R K IV I LIG N D E GIVIN W F IV E K T P II K IV S P Q O II Q Q F T Q I I Y Q II N
UniRef90 B3NK05 R G A E WL I H P E S L A I S E R Q L N E F R L R D R R G A R I G R N UniRef90 B9T345 UniRef90 B9T345 UniRef90 VAD3H5 UniRef90 VPPE92 UniRef90 UP10002841D4E UniRef90 UP1000365F755 UniRef90 UP1000365F755 UniRef90 UP1000365F755 UniRef90 UP1000365F755 UniRef90 UP1000273A560 UniRef90 UP1000273A560 UniRef90 UP1000329ACFF UNIREf90 UP1000329A	UniRef90_C5K4L6	ENL LWHVAKTIMAVSEDQMKALRSVV GPNGDITAPN
UniRef90 B3NK05 R G A E WL I H P E S L A I S E R Q L N E F R L R D R R G A R I G R N UniRef90 B9T345 UniRef90 B9T345 UniRef90 VAD3H5 UniRef90 VPPE92 UniRef90 UP10002841D4E UniRef90 UP1000365F755 UniRef90 UP1000365F755 UniRef90 UP1000365F755 UniRef90 UP1000365F755 UniRef90 UP1000273A560 UniRef90 UP1000273A560 UniRef90 UP1000329ACFF UNIREf90 UP1000329A	UniRef90_D6W9D0	E G V R WI I Q P E P L A L S S H Q I R Q F R R L M G F N G Y L L N N
UniRef90_B3NK05		NNVT WILLEKK PINIGIK OLHEERKIT NNN DNGNILLYINNN
UniRef90_P1000365F755 UniRef90_C0JAF4 UniRef90_R0FPJ4 UniRef90_UP1000273A560 UniRef90_UP1000273A560 UniRef90_UP1000329ACFF UniRef90_UP1000329ACFF UniRef90_A0A0011RJ28 UniRef90_A0A011RJ28 UniRef90_UP1000284CE2A UniRef90_W6S165 UniRef90_W6S165 UniRef90_W6S165 UniRef90_W6S165 UniRef90_UP100026573F0 UniRef90_UP100026573F0 UniRef90_UP100026573F0 UniRef90_D3JXXM3 UniRef90_UP100026573F0 UniRef90_D4XW3 UniRef90_B4LVZ5 UniRef90_B4LVZ5 UniRef90_D43BK6	UniRef90_B3NK05	RGAEWLIHPESLAISERQLNEFRLL RDRRGARIGRN
UniRef90_P1000365F755 UniRef90_C0JAF4 UniRef90_R0FPJ4 UniRef90_UP1000273A560 UniRef90_UP1000273A560 UniRef90_UP1000329ACFF UniRef90_UP1000329ACFF UniRef90_A0A0011RJ28 UniRef90_A0A011RJ28 UniRef90_UP1000284CE2A UniRef90_W6S165 UniRef90_W6S165 UniRef90_W6S165 UniRef90_W6S165 UniRef90_UP100026573F0 UniRef90_UP100026573F0 UniRef90_UP100026573F0 UniRef90_D3JXXM3 UniRef90_UP100026573F0 UniRef90_D4XW3 UniRef90_B4LVZ5 UniRef90_B4LVZ5 UniRef90_D43BK6	UniRef90_UPI000360FCF5	ENVNWLVMKDAMEVSGQQVSRFTQL LGAN
UniRef90_P1000365F755 UniRef90_C0JAF4 UniRef90_R0FPJ4 UniRef90_UP1000273A560 UniRef90_UP1000273A560 UniRef90_UP1000329ACFF UniRef90_UP1000329ACFF UniRef90_A0A0011RJ28 UniRef90_A0A011RJ28 UniRef90_UP1000284CE2A UniRef90_W6S165 UniRef90_W6S165 UniRef90_W6S165 UniRef90_W6S165 UniRef90_UP100026573F0 UniRef90_UP100026573F0 UniRef90_UP100026573F0 UniRef90_D3JXXM3 UniRef90_UP100026573F0 UniRef90_D4XW3 UniRef90_B4LVZ5 UniRef90_B4LVZ5 UniRef90_D43BK6		EGV PW IV FQEV K IV SMEQIV QAL K GAV DDG FQM N
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UniRef90_E0VMU8 ENVQWVIFENRYYVSDSTLKSLRT TKGEDGNNLESN UniRef90_UPI00047CA52B EHVRWIVMKQPVAASDAEVALVHRAIGH DN UniRef90_H3GIU4 ELVDWWVVQQPLSMS PADFTRLQTQLKELHVTDNGNN	UniRef90_UPI0002B41D4E	E G V I WN I K K K I G T V S R K Q V K L L R S A V H D S A E K N
UniRef90_E0VMU8 ENVQWVIFENRYYVSDSTLKSLRT TKGEDGNNLESN UniRef90_UPI00047CA52B EHVRWIVMKQPVAASDAEVALVHRAIGH DN UniRef90_H3GIU4 ELVDWWVVQQPLSMS PADFTRLQTQLKELHVTDNGNN	UniRef90_UP1000365F755 UniRef90_F4WPP0	EDIV FIME KITIK N S E K DIFIGIA FIME D C 2 N C L L K E N
UniRef90_E0VMU8 ENVQWVIFENRYYVSDSTLKSLRT TKGEDGNNLESN UniRef90_UPI00047CA52B EHVRWIVMKQPVAASDAEVALVHRAIGH DN UniRef90_H3GIU4 ELVDWWVVQQPLSMS PADFTRLQTQLKELHVTDNGNN	UniRef90_C0JAF4	E GI T WT V A R N V R R V S R Q Q V E L L R E A V H D G A R S N
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UniRef90_E0VMU8 ENVQWVIFENRYYVSDSTLKSLRT TKGEDGNNLESN UniRef90_UPI00047CA52B EHVRWIVMKQPVAASDAEVALVHRAIGH DN UniRef90_H3GIU4 ELVDWWVVQQPLSMS PADFTRLQTQLKELHVTDNGNN	UniRef90_0P10002/3A560	EGVIWNVLGKIROVSOFOIDSITAPIIIGA
UniRef90_E0VMU8 ENVQWVIFENRYYVSDSTLKSLRT TKGEDGNNLESN UniRef90_UPI00047CA52B EHVRWIVMKQPVAASDAEVALVHRAIGH DN UniRef90_H3GIU4 ELVDWWVVQQPLSMS PADFTRLQTQLKELHVTDNGNN	UniRef90_UPI000329ACFF	EAV VWTVEKEPIKVSKOLIDLESTILHENDSSSPI MINV
UniRef90_E0VMU8 ENVQWVIFENRYYVSDSTLKSLRT TKGEDGNNLESN UniRef90_UPI00047CA52B EHVRWIVMKQPVAASDAEVALVHRAIGH DN UniRef90_H3GIU4 ELVDWWVVQQPLSMS PADFTRLQTQLKELHVTDNGNN	UniRef90_I0FX45	EVVIWIVER MPILRI SQRQLNVFRMLRANAAGSPDIPIVDN
UniRef90_E0VMU8 ENVQWVIFENRYYVSDSTLKSLRT TKGEDGNNLESN UniRef90_UPI00047CA52B EHVRWIVMKQPVAASDAEVALVHRAIGH DN UniRef90_H3GIU4 ELVDWWVVQQPLSMS PADFTRLQTQLKELHVTDNGNN	UniRef90_AUAUTTKJ28 UniRef90_UPI0002R4CF24	QNVLWTIVRKVRTVTTFOVKI IRVASHDDSNT
UniRef90_E0VMU8 ENVQWVIFENRYYVSDSTLKSLRT TKGEDGNNLESN UniRef90_UPI00047CA52B EHVRWIVMKQPVAASDAEVALVHRAIGH DN UniRef90_H3GIU4 ELVDWWVVQQPLSMS PADFTRLQTQLKELHVTDNGNN	UniRef90_B9ER07	ETVTWTVFTETTTVTMSSVSKFWLLT RDHWGHRLINN
UniRef90_E0VMU8 ENVQWVIFENRYYVSDSTLKSLRT TKGEDGNNLESN UniRef90_UPI00047CA52B EHVRWIVMKQPVAASDAEVALVHRAIGH DN UniRef90_H3GIU4 ELVDWWVVQQPLSMS PADFTRLQTQLKELHVTDNGNN	UniRef90_W6S165	EIL VID WILLIAK E PIVEIVID A A DILIK R FILTLIY S M
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UniRef90_E0VMU8 ENVQWVIFENRYYVSDSTLKSLRT TKGEDGNNLESN UniRef90_UPI00047CA52B EHVRWIVMKQPVAASDAEVALVHRAIGH DN UniRef90_H3GIU4 ELVDWWVVQQPLSMS PADFTRLQTQLKELHVTDNGNN	UniRef90_Q989K6	ĒNVĒWMVA MĒPVĒVDTA DĪKRĒTTĪLYAS
UniRef90_E0VMU8 ENVQWVIFENRYYVSDSTLKSLRT TKGEDGNNLESN UniRef90_UPI00047CA52B EHVRWIVMKQPVAASDAEVALVHRAIGH DN UniRef90_H3GIU4 ELVDWWVVQQPLSMS PADFTRLQTQLKELHVTDNGNN	UniRef90_UPI00026573F0	ENVQWFLFARPVPLSEAQMATFRTLMTADQ VSLVDN
UniRef90_E0VMU8 ENVQWVIFENRYYVSDSTLKSLRT TKGEDGNNLESN UniRef90_UPI00047CA52B EHVRWIVMKQPVAASDAEVALVHRAIGH DN UniRef90_H3GIU4 ELVDWWVVQQPLSMS PADFTRLQTQLKELHVTDNGNN	Uniker90_J3LXIVI3	ENVIONNI PAKVKEMI QQQAAALMAPL BEGYRRN EGVNWEVEETPI OUSTAOU DU EONEU SSUGE
UniRef90_E0VMU8 ENVQWVIFENRYYVSDSTLKSLRT TKGEDGNNLESN UniRef90_UPI00047CA52B EHVRWIVMKQPVAASDAEVALVHRAIGH DN UniRef90_H3GIU4 ELVDWWVVQQPLSMS PADFTRLQTQLKELHVTDNGNN	UniRef90_E9J2H8	ĒĽVĪWĽVQQEPLÄI SSSQ
UniRef90_E0VMU8 ENVQWVIFENRYYVSDSTLKSLRT TKGEDGNNLESN UniRef90_UPI00047CA52B EHVRWIVMKQPVAASDAEVALVHRAIGH DN UniRef90_H3GIU4 ELVDWWVVQQPLSMS PADFTRLQTQLKELHVTDNGNN	UniRef90_A0A022RP91	E G V L WT L N K K V K T V S R E Q V N L L R E A V H D Y A E V N N N N N N N N N N N N N N N N N N
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UNIDATIO BUSINO E A NA VIANTI A DEL IVIVIE V NULL I INTERESTATO E NECESIONA EN LA CONTRACTORA DE CONTRACTORA DE LA CONTRACTORA DELA CONTRACTORA DE LA CONTRACTORA DE LA CONTRACTORA DE LA CONTR	UniRef90_B7JY43	EIL VIH WV I IF Q N PIL IEII IS A T QII Q K F H EIL IF PIL IN
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10100_3(1011110	E - E N O ME I MA ME VE ME O O N N N I I I E I N M E Q I N E N O O I E



	130 140 150 160
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UniRef90_K7J8M3	TRYGSIDK <mark>C</mark> YDKSDGIAVLSYFM <mark>C</mark> PGIPDNPSLAEITNNL RKYRNLTEATNRSDGVIGVLFQVNDNFAPNPGMEIFSSQT
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UniRef90_W7CKT5	DQG GIVVMAFFFELGEEDNKELKGLPET
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UniRef90_E9J2H4 UniRef90_K9Q5K8 UniRef90_C5GR37 UniRef90_K3WBW1 UniRef90_A8JX26 UniRef90_F8MWS2	PDSV FGYGPYNGPTNV WDY AANGPATV	G K L V D D L S E <mark>C</mark> K T G E N V H T L S A <mark>C</mark> G II G R T G S E V A K S F P A A A G Q K	RSPIDLNISYMKA QSAMDFEMSDFDS QSPINVDDSVYRV QSPIDICAMDSEL QSPIDINPGSAAK QSPIDMTGTSFNM	V NL DVSV S A G S V R E D E S V
UniRef90_F7BQN2 UniRef90_V5BKV6 UniRef90_H1X6W2 UniRef90_M2MB46 UniRef90_A1ZQG9		VPKL CQTGKQ ESWSMTAGLM	QSPUELQPNEVVH QSPLALTSKTADS QSPININTP <u>G</u> KKA	R K D M
UniRef90_G0RW48 UniRef90_N1JGL7 UniRef90_E2J7F9 UniRef90_M9V0L7 UniRef90_F6XXU0 UniRef90_G9WIC9 UniRef90_UP10002658CD0	WNYDNSYD V	V H G L N A <mark>C</mark> A T G K H V G K I K P C Q T G T L C P N G K F Y P A C S G S N	QSPINIDSSIQRI QSPIDLPITPSIS QSPINIIPCDCRR QSPIDINTNQLME QSPVDIRLERTAF QSPMDLHFAQAKK	E G R S R R N Q N N K F P S S I
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UniRef90_V9ETV5 UniRef90_M4DAH7 UniRef90_F7CI43	RTEFKLVQCHWH SPSEHTINGTRYDMELHMVHTS LYSHRLSELRLFGARDGAGSEHQINHGFSAEVQLIHFN
UniRef90_M4C2A2 UniRef90_UPI0001DD0FFA UniRef90_UPI0003BD5008	EGTFKLAKFHMHAPS EHSLDDKHMDGELHFVHVS DRQFNLIQVHFHTPS EHAIDGKRYPLVAHFVH SFQYDSIQFHUHWGNGSSPGSFHTVDGKRYPMFLHLVNSK
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UniRef90_S9SXK1 UniRef90_E3YE54 UniRef90_UPI00042BCA51	NEQYKFHSFHFHLPS PGISRMIQCHFHWFAAYGHSMEHTHDRSKYLSVPLAYWNA EAYRLRQMHWH SPSEHAVDGRRYDLELHMLHQS ERMYSLLQFHMH SPSEHTIDDYHYDAELHFVHKA RTEFKLVQCHWH SPSEHTIDDYHYDAELHFVHKA RTEFKLVQCHWH SPSEHTINGGTRYDMELHMVHTS LYSHRLSELRLFGARDGAGSEHQINHQGFSAEVQLIHFN TQYHLLQGHWH SPSEHTISGIRYDLELHLVHRS EGTFKLAKFHMHAPS EHSLDDKHMDGEIHFVHVS DRQFNLIQVHFHTPS EHAIDDKRRYPLVAHFVH SEQYDSLQFHLHWGNGSSPGSEHTVDGKRYPMELHIVNSK PGVYRLRQLHFHWGNGSSPGSEHTVDGKRYPMELHIVNSK PGVYRLRQLHFHWGNGSSPGSEHTVDGKRYPMELHIVNSK PGQYTATQLHLHWGNRNKEGSEHTVSGRHFAAELHIVHYN DGDYSVLQFHFHWDVANHSGSEHALDGHHYPMEMHIVTAK GRRFMLRQFHFHAHS GEYYPLVSFHAH PAEHLLDGKYPPLEAULVYE HDYTLKHIVFRAPS
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UniRef90_UPI0003508A13 UniRef90_UPI0003C17BBB UniRef90_UPI00046C0A65	HKKYFLEDLHFHLPSEHEL GRNFELNQFHFHAKS TVYHLKQLHWH SIGKRQSPINVNTSQVIYDPFLPPLRLSLSGKKVQMLHYN GHEFELHDVQFHWGRENQRGSEHTVNFKAFPMELHLIHWN SHRYVFYSLSLHWPS GHQWNLAQFHFHTPS EHLINGRASPMEMHLVFSD TSEYKLTQFHLHWGSGNNWGSEHMINGLSCPAELHCVFIN DDVYEFESAHFHWGEDNCNGAEHTINNTWYSMEGHVIHWN LDPLNSSRTYHFTGLHFHVMSEHQFRTLRPDAEMHLVFSD GKQYNYYGLHFHWGENDTFGSEHLLSNKHFPLEVHLVHWN YHTIQL HFHWGGPATNGSEHTVDRRRYPMEMHIVNMK KHYNLIAFHGH YHTIQL HFHWGGPATNGSEHTVDRRRYPMEMHIVNMK KHYNLIAFHGH YHTIQL HFHWGGPATNGSEHTVDRRRYPMEMHIVNMK KHYNLIAFHGH YHTIQL HFHWGGPATNGSEHTVDRRRYPMEMHIVNMK KHYNLIAFHGH YHTIQL HFHWGGPATNGSEHTVDRRRYPMEMHIVNMK KHYNLIAFHGH YHTIQL HFHWGGPATNGSEHTVDRRRYPMEMHIVNMK KHYNLIAFHGH YHTIQL HFHWGGPATNGSEHTVDRRRYPMEMHIVNMK KHYNLIAFHGH YHTIQL HFHWGGPATNGSEHTVDRRRYPMEMHIVNMK KHYNLIAFHGH YHTIQL HFHWGGPATNGSEHTVDRRRYPMEMHIVNMK KHYNLIAFHGH YHTIQL HFHWGGPATNGSEHTVDRRRYPMEMHIVNMK KHYNLIAFHGH YHTIQL HFHWGGPATNGSEHTVDRRRYPMEMHIVNMK KHYNLIAFHGH YHTIQL HFHWGGPATNGSEHTVDRRRYPMEMHIVNMK KHYNLIAHHUNGLNDSVGSEHAIGSEYYPAELHLVHRN SRRYLFHSLTLHRPS EHRIGGLQFPMETQVLFILS MSTYNLLQFHVHAPS EHTLDGKHYDLEIHFVH SSRFRVGRIAFHWGHCNTTGSEHAIDGRKHDMEKSN EHTLDGKKHDMEKSN EHTLDGKKHDMEKSN EHTLDGKKHDMEKSN
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UniRef90_UPI00046CFBBB UniRef90_H2TG37 UniRef90_W7BXR0 UniRef90 H2TG36	Y H T TOL HE H WG G P A T N G S E H T V D R R R Y P ME M H T V N M K K H Y N L I A F H G H I P S E H T L N E Q Y F A D E WH L V H M N Y H T T O L HE H WG G P A T N G S E H T V D R R R Y P M E M H L V N M K
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UniRef90_J9IDJ2 UniRef90_H3BVM9 UniRef90_A0A021W0L3	MSTYNLLQFHVHAPS EHTFDGKHYDLEIHFVH SSRFRVGRLAFHWGH <mark>C</mark> NTTGSEHSLNGRRYPLEMQIY <mark>C</mark> HD GR <u>H</u> FTLAQFHFHAAS EHTLDGKHFPLEGHFVF
UniRef90_UPI0004627871 UniRef90_K9F3V7 UniRef90_T1NE94	PGI YSLKSFHFHWGTYHYKGSEHAI DGRKHDMEKSN EQLYTLEEVHFQAPS EHI VAGMPYAMEVQLVHRY TAYHLRQLHWHA PTEHSVNGRRYDMELHMVHQS
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UniRef90_UPI000443B4D2 UniRef90_W3A7W8 UniRef90_UPI0002B4CBF4	
UniRef90_P54212 UniRef90_A8PTT3 UniRef90_F1NEK5	MATYDFTQFHFH SPSEHTLDGEKSDGSA NDYF FKQLHFHFGCTSGTGSEHQIDGNAFPLEIHLVFWD VHTFKPVQLHFHHFA SEHAIDGQLYPLEAHMVMAS NGTYQLSQFHFHWSQQNDTGSEHTLASLHYPGELHLVHIK AETYRLWQFHFYWHQTDEQGSEHTRDGKKCASEIEQKHSD GHDYTILQFHFHWGSDTSEGSEHTVDSKRYPMEMHIVSKR KEEYVLEQLHFHWWS EHTIENVRYPFEMHMVHRN DATYDLTQFHLH SPSEHTIDGKACVEMVVIIVEN
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UniRef90_N4VD31 UniRef90_E9J2H4 UniRef90_K9Q5K8 UniRef90_C5GR37	VDSYVFSQLHFHYGKTDMDGSEHYVDGGSMPMELHAVHYNDEIJYNLLQFHFHTPS EHTVDGEYAEMEVHFIHSNGLEFLLFOFHFH
UniRef90_K3WBW1 UniRef90_A8JX26 UniRef90_F8MWS2	KIYYTVQFHFHAPS EHTLIGGNHEAMELHLVH GSEFKAASFHFRWDKSSAAGSEHTLIGGKAYASEVHLVHHN EKQYTLIQQFHFHLIPSEHLIDNGTSRAMEMHMVWQTENQFRI
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UniRef90_F6XXU0 UniRef90_G9WIC9 UniRef90_UPI0002658CD0 UniRef90_Q8PFA4	QRPFSLQQFHFHAPS EHLLDGQDFPAEVHFVHEA DDRYHLHSVHFHWTS EHAINGQYYSLECHMLMFN GKQYQALQLHFH HPSFHIINGRRFPMFAHIVH
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UniRef90_M2UPR9 UniRef90_Q7XZ98	NDSFQLVQFHMHTPS EHHVLGEHYPLELHMVHQG GEKYYVLNLHMH SPSEHWLNGKQYPLEAHLVHLT

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DCPEFDKIVNG
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UniRef90_Q7XZ98

UniRef90_T1DDD4 UniRef90_UPl0004443061 UniRef90_W7CW22 UniRef90_UPl0002F9CC12 UniRef90_F7BH16 UniRef90_C0JAA0 UniRef90_V9E1V5 UniRef90_M4DAH7 UniRef90_F7Cl43 UniRef90_V7BYT1 UniRef90_W4C2A2 UniRef90_UPl0001DD0FFA UniRef90_UPl0003BD5008 UniRef90_UPl000392EEB9 UniRef90_UPl000392EEB9 UniRef90_UPl00042C294E	170
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S G P N L W W D Q F E E C A G L K Q S P V S I A V D Q C F E D L K L
WN Y E H S S D W A T I K P C Q Q G T H Q S P I N I V G Q E L A K H H Q P
D D W A G V D A A G N P W M C L T G T H Q S P L N L R H G D H L P D K F R
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                                                                                                                        HHQEKWPNGFGQLQSPINLLPATPADPSTL
QSPIKLSSDVPYVLNRD
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lupas_21 lupas_14 lupas_28 inet conf sol25 sol5 sol0

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IKSD

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lupas_21 lupas_14 lupas_28 inet conf sol25 sol5 sol0

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jpssm
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lupas_21 lupas_14 lupas_28 inet conf sol25 sol5 sol0 ihmm

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                                                                                                   LADLLPPHHDYFHYVGSLTTPPLG
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lupas_21 lupas_14 lupas_28 inet conf sol25 sol5 sol0 ihmm



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E G L L W H V M L K P Q K I S M A Q W T K Y K T A V G Y K E C S P K
E G V E W A V V S D M L E A S P E Q L E R Y R N F L P
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E GVE WVVFE QAQMI DI DQL NLYMATFKE Q
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E CVI WI I FKNTLKVS HQQVCVKS CLCT
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