QUERY	1	
UniRef90_R7U0D1 UniRef90_UPI00035944A2 UniRef90_M9UWB5 UniRef90_G9C5E5	NRD F A S D Q M K H W K E Q R A A Q K P D V L I T G G G N P V G D K L N S L I NR D K A S E Q L N E Y K Q S N G T P G V L T T A T G A P I G N K T A T L T R D R A A E Q L N E F K K K Q T T P E V L T T S Q G P L A D K L N S P T S R D P A T D Q L V N Y K K G K S K E D Q G K I T T G S G N P V D S H T A S L T N E K K P S S T L T T G F G L P V G D D Q N S L T R D P A S E Q L N N Y K K N Y K G E A P V L L T A N G A P I S E K K A S L T R D K A S D Q L K E Y K E T H K P E P L T T S W G A P I G D K T N V L T S R N P A E N Q L N L F K E S Q K D K T V S T T S T G T P V G T K T A S V T E P D A V T T A A G N P V G D K L N V L T K K K L L T T N L G N P V Y E D O A S L T	
UniRef90_K4MB62 UniRef90_E2C018 UniRef90_L7M329	NEKKPSSTLTTGFG PVGDDQNSLT RDPASEQLNNYKKNYKGE APVLLTANGAPI SEKKASLT RDKASDQLKEYKETH KPEPLTTSWGAPI GDKTNVLT	
UniRef90_J9HGP0 UniRef90_UPI00046252BF UniRef90_F6DQ92 UniRef90_UPI00040AFC23	SRNPAENQLINLFKESQ KDKTVSTTSTGTPVGTKTASVT EPDAVTTAAGIPVGDKLNVLT KKKLLTTNLGNPVYEDQASIT TLTTTFGAPVSDNQNSLT	
UniRef90_B3HUA7 UniRef90_W3AHJ1 UniRef90_S4REW1	T D K K T H L T T A A GA P V A D N N N T L T S T D K R T L T T S W G A P V G D N Q N S Q T P P E V L T T G A G N P I S D K L N V Q T S E K K T L T T G F G A P I G D D Q N T A T	
UniRef90_G7Q8R8 UniRef90_E0VNL6 UniRef90_J9IIR7	S E K K T L T T G F G A P I G D D Q N T A T R D P A T E Q L S N Y K K N H P K P E V L V T G H G A P I D D K L N S L S Q R K T L T N S Q G H P V D D N Q N S L T D P L D R V R V D A T G Q R L T T N Q G V P V A D N Q N S L K	
UniRef90_UPI0003A87E3C UniRef90_W7CKT1 UniRef90_K2HK23 UniRef90_A9B4C7	T L T T S A G P V A D N Q N S L T	
UniRef90_T1F193 UniRef90_H2EZP3 UniRef90_S9PJ95	DLTSQQLESYKQKKNCVVDE LTTSLGVPIGSKTASMT QRPLFTTSHGSPVHNDNNSLS ARSKDEALAKDRSNPTGHRMTSDQGVPIENTDNSLR	
UniRef90_H2B639 UniRef90_UPI00047B391B UniRef90_I4MXB3 UniRef90_UPI0003B34154	DE QEQLITTA HGAPI ADNONS LI DLTSQQLESYKQKKNCVVDE LTTSLGVPI GSKTASMT QRPLFTTSHGSPVHNDNNSLS ARSKDEALAKDRSNPTGHRMTSDQGVPI ENTDNSLR SRDKATNQLEDFRSKT KVPGTLTTGTGCPVGDKLNSMT PENNQQPLTTASGAPVPDNQNSMT SQSKTLTTASGAPVPDNQNSMT SQSKTLTTASGAPVBDNQNSRS ADRKNVQTTGSGAPVGDNQNSLT	
UniRef90_UPI000415AF42 UniRef90_I4DMH7 UniRef90_Q0W6G9	S Q S K T L T T A S G A P V A D N Q N S K T A D R K N V Q T T G S G A P V G D N Q N S L T D R V R V D S T G Q A L T T N Q G V P I S D N Q N S L K S R D P A S D Q L V N Y S K G V K D S P G Y I T T K F G A P V G V K T A I Q T K L K D L E E F R E Y P E G Q F L T T D Q G V R V S E T D M S L K S T N N N K L T T N W G A P V G D N Q N S I T Q S A G G D V P V L T T S Q G I P V S D D Q N S L K D R G D S A G G D V P V L T T S Q G I P V S D D Q N S L K D R G D S A G G D V P V L T T S Q G I P V S D D Q N S L K D R G D S A G G D V P V L T T S Q G I P V S D D Q N S L K D R G D S A G G D V P V L T T S Q G I P V S D D Q N S L K D R G D S D S D S N K K D S D S D S D S D S D S D S D S D S	
UniRef90_UPI000363CFEE UniRef90_UPI00037A9124 UniRef90_F6Al31 UniRef90_K7SKB4	QSAGGDVPVLTTSQGIPVSDDQNSLK DRGNSNKKIEQLERFREDATGQALTNDHGTRIADNQNSLK QTADGNTPTLTTQQGVPVADDQNSLK RDAASNQLIDYKNSQTVSPGALTTGNGAPIGIKDASQT	
UniRef90_P17336 UniRef90_W2SI18 UniRef90_F6F2H9	QLPGSGSPVLTTQQGVPVADDQNSLR	
UniRef90_UPI0002378E38 UniRef90_UPI0004759BCF UniRef90_Q1QDB0 UniRef90_A8CWF1	T A F G A P V P D N Q N T L T Q A A E G D L A V L T T Q Q G V P V A D D Q N S L K Q R A G D D T K V L T T Q Q G V P I S D N Q N S L K R G P A E D Q L K L Y K K S Q K G A T S T V L T T K H G A P I G V R S A A Q T	
UniRef90_Q9I1W8 UniRef90_C5AP82 UniRef90_D2QLN8	QAAEGDLAVLTTQQGVPVADDQNSLKQRAGDDTKVLTTQQGVPISDNQNSLKQRAGDDTKVLTTQQGVPISDNQNSLKRGPAEDQLKLYKKSQKGATSTVTTKHGAPIGVRSAAQTDRGNSNAKLEQLEAYREDATGEALSTNTGTRIADNQNTLKADQGPRLTTAFGNPISDNQNSLTNKTNTNAKLDELDMNREDSSGQFLTTNQGLRVNDDQNSLKNTNAKLKQLDKYRTDPEHEALRTDQGVKISDNQNSLK	
UniRef90_UPI00047BA364 UniRef90_D8NYP9 UniRef90_F0SCD5 UniRef90_E5Y7Y1	NI KILE QILE NHKVD ATNE QMTT DQGVKI ND DQHSILK	
UniRef90_H8MMX5 UniRef90_UPI00040D302E UniRef90_A1BAY0	SNDLLTNNAGAPVVDNENALT DEKSKDQ QLARDRSEPTGNFLTTDQGIRVEHTDDSLK NENSKNHQLESFREE PQDQYMTTDQGVRVNHTDDSLK KTEQGNAGETQQRG GETLTTNHGLPFSDNQNSLR	
UniRef90_V4RAM5 UniRef90_W8RNU0 UniRef90_A0A023H6A5 UniRef90_A0A024Q4S1	SKPTMTTASGAPVADNQNSQTDRKNHNAKLDDLEVSRSDATGEALTTNQGVKIADNQNTLKTDKPPLLTTMAGNPVPDNQNSLTTTAAGAPVPDYQNSMT	
UniRef90_E3HUX6 UniRef90_UPI000381A815 UniRef90_S2JRL0	LERVRADSSGQMLTTNQGVRVSDNQHSLK LTTSFGAPVPDDNNTIT LTTSNGNPVDNDQTSIT DGKKNKK LEQLQSFTRENEGKEMTTNTGVKISNDENSLT	
UniRef90_C3IQR3 UniRef90_UPI0004003798 UniRef90_F8JXN3 UniRef90_A0DIN2	P K P T L T T E S G A P V A D N Q N S A T S D N S D N V L T Q S T G C P V D D N Q N S L T	
UniRef90_G7UT56 UniRef90_X7F8D1 UniRef90_X6FKT1	Q S C G A S H P P L T T N Q G L P V S D N Q N S L R Q R A G G A R P A M T T D Q G A P V G D N Q N S L K Q M A F G D S F L T T A Q G G P V A D D Q N T L R	
UniRef90_Q1CZ54 UniRef90_UPI00040E7B0A UniRef90_N6UDL6 UniRef90_W4T962	PITEKSESEEPHRMHAVIGKVEITD QGEPISDID NSEK DRPIQTTTA GAPISDIQ NSET	
UniRef90_M4WRV9 UniRef90_I1AWF4 UniRef90_D2BF90	NKKTDQLQSH TTSNEGEKLTTNQGLKINNNQDSLK SDNTRLTTAAGAPVADNQNVQT HQTDADAPRMTTAQGTPVSDDQNTLT DNRTDKDRQLDEARVGFQDTALTTDQGIRVDDTDNSLK NQDDFTTQAGHGGEQRVPEKGPHLTTNQGLRVSDNQNQLK	
UniRef90_B0T3B3 UniRef90_A6Q7E0 UniRef90_UPI00036B0333 UniRef90_G0J593		
UniRef90_G4SX84 UniRef90_F8EUW4 UniRef90_K9XD87	Q T A T G D Q P A L T T N Q G L P I S D N Q N S L R T E S G R I V G D N Q N S I T S D R N T L T T A N G T P V A D N Q N S L T	
UniRef90_Q8PVL3 UniRef90_K9HM57 UniRef90_Q7VK49 UniRef90_U4T8B3	NEKSKEEQLEKF HEDPEREFLTTNQGVRVNNTDISLK ERPKLTTTAGAPVGDNQHALT KKFTTATGTPLGDNQNSIT	
UniRef90_I4X684 UniRef90_I7ZJC9 UniRef90_U5VZN7	ENSKDEQLEQY RVDDSGKSLTTNQGLKMAEDEFSLK RGTGDELHQQVPSQGPHDAQGHLTTNQGIRVADNQNQLK	
UniRef90_E3BCN5 UniRef90_S9T5G8 UniRef90_R4T003 UniRef90_U6MV97	GNAMTTSQGLPVTDDQNQLR SNPTKLTTNQGAPVADNQNSKT EDAKDEQLN GSRVDPDQSVLTTQQGVRVDHTDDSLT KECPVLTTSTGAPVGDNQNSLT	

QUERY UniRef90_R7U0D1 UniRef90_UPI00035944A2 UniRef90_M9UWB5 UniRef90_G9C5E5 UniRef90 K4MB62	50
UniRef90_E2C018 UniRef90_L7M329 UniRef90_J9HGP0 UniRef90_UPI00046252BF UniRef90_F6DQ92 UniRef90_UPI00040AFC23 UniRef90_E3HUA7	A G P R G P M L L Q D F V Y L D E M S H F A R E R I P E R V V H A K G A G A F G A G P R G P V L L Q D V V F L D E M A H F D R E R I P E R V V H A K G A G A F G V G P R G P L L L Q D V H F L D E M A H F D R E R I P E R V V H A K G A G A F G A G S G P T L L Q D T H L I E K L A H F D R E R I P E R V V H A K G A G A F G A G P R G P V L I Q D F H L I E K L A H F D R E R I P E R V V H A K G A G A Y G A G P R G P A L L E D F W L I E K L A H F D R E R I P E R V V H A K G A G A Y G
UniRef90_W3AHJ1 UniRef90_S4REW1 UniRef90_G7Q8R8 UniRef90_E0VNL6 UniRef90_J9IIR7 UniRef90_UPI0003A87E3C UniRef90_W7CKT1 UniRef90_K2HK23	A G Q R G P V L L Q D V H L L E K L A H F N R E R V P E R V V H A K G A G A H G A G P R G P L L V Q D T V F T D E M A H F D R E R I P E R V V H A K G A G A F G A G P R G P A L L Q D V H L L E K M S H F D R E R I P E R V V H A K G A G A F G G P R G P L L L Q D V T Y I D E I A H F D R E R I P E R V V H A K G A G A F G A G P R G P L L L T D L H L I D K L A K F D R E R I P E R V V H A K G A G A H G V G L R G P T A M E D F I L R E K L T H F D H E R I P E R V V H A K G A G A H G A G V N G P V L L Q D V H F I E K M A H F D R E R V P E R V V H A K G A G A H G A G P R G P L L V Q D W Q L F E K H A H F N R E R I P E R V V H A K G S G A F G A G P R G P L L M Q D Y Q L L E K M A T F N R E R V P E R V V H A K G S G A F G A G P R G P L L M Q D Y Q L L E K M A T F N R E R V P E R V V H A K G S G A F G A G P R G P L L M Q D Y Q L L E K M A T F N R E R V P E R V V H A K G S G A F G A G P R G P L L M Q D Y Q L L E K M A T F N R E R V P E R V V H A K G S G A F G A G P R G P L L M Q D Y Q L L E K M A T F N R E R V P E R V V H A K G S G A F G A G P R G P L L M Q D Y Q L L E K M A T F N R E R V P E R V V H A K G S G A F G A G P R G P L L M Q D Y Q L L E K M A T F N R E R V P E R V V H A K G S G A F G A G P R G P L L M Q D Y Q L L E K M A T F N R E R V P E R V V H A K G S G A F G A G P R G P L L M Q D Y Q L L E K M A T F N R E R V P E R V V H A K G S G A F G A G P R G P L L M Q D Y Q L L E K M A T F N R E R V P E R V V H A K G S G A F G A G P R G P L L M Q D Y Q L L E K M A T F N R E R V P E R V V H A K G S G A F G A G P R G P L L M Q D Y Q L L E K M A T F N R E R V P E R V V H A K G S G A F G A G P R G P L L M Q D Y Q L L L E K M A T F N R E R V P E R V V H A K G S G A F G A G P R G P L L M Q D Y Q L L L E K M A T F N R E R V P E R V V H A K G S G A F G A G M R G T T T T T T T T T T T T T T T T T T
UniRef90_A9B4C7 UniRef90_T1F193 UniRef90_H2EZP3 UniRef90_S9PJ95 UniRef90_H2B639 UniRef90_UPI00047B391B UniRef90_I4MXB3 UniRef90_UPI0003B34154	A G P R G P L L MQ D Y Q L L E K M A T F N R E R V P E R V V H A K G S G A F G A G P R G P L L V Q D F V F H D E M A H F D R E R I P E R V V H A K G T G A H G A G P D G P L L L Q D Y Q L V D K L A H F D R E R I P E R V V H A K G A G A H G V G A R G P T L L E D F H F R E K L M R F D H E R I P E R V V H A K G A G A F G A G P R G P L L L Q D N V F L D E M A H F D R E R I P E R V V H A K G A G A F G A G P R G P M L L Q D L W F L E K L A H F D R E R I P E R V V H A K G S G A F G A G P R G P L L L D D F H L I E K L A H F N R E N I P E R R V H A K G S G A F G A G T R G P A L I Q D V H L L E K L A H F N R E R I P E R V V H A K G S G A H G A G L R G P A L L K D F L L E K L A H F N R E R I P E R V V H A K G S G A H G A G L R G P A L L K D F L L E K L A H F N R E R I P E R V V H A K G S G A H G A G L R G P A L L K D F L L E K L A H F N R E R I P E R V V H A K G S G A H G A G L R G P A L L K D F L L E K L A H F N R E R I P E R V V H A R G S G A H G A G L R G P A L L K D F L L E K L A H F N R E R I P E R V V H A R G S G A H G A G L R G P A L L K D F L L E K L A H F N R E R I P E R V V H A R G S G A H G A G L R G P A L L K D F L L E E K L A H F N R E R I P E R V V H A R G S G A H G A G L R G P A L L K D F L L E E K L A H F N R E R I P E R V V H A R G S G A H G A G L R G P A L L K D F L L E E K L A H F N R E R I P E R V V H A R G S G A H G A G L R G P A L L K D F L L E E K L A H F N R E R I P E R V V H A R G S G A H G A G L R G P A L L K D F L L E E K L A H F N R E R I P E R V V H A R G S G A H G A G L R G P A L L K D F L L E E K L A H F N R E R I P E R V V H A R G S G A H G A G L R G P A L L K D F L L E E K L A H F N R E R I P E R V V H A R G S G A H G A G L R G P A L L K D F L L E E K L A H F N R E R I P E R V V H A R G S G A H G A G L R G P A L L K D F L L R G T T T T T T T T T T T T T T T T T T
UniRef90_UPI000415AF42 UniRef90_I4DMH7 UniRef90_Q0W6G9 UniRef90_UPI000363CFEE UniRef90_UPI00037A9124 UniRef90_F6Al31 UniRef90_K7SKB4	A GERGPALL KDFILREKITHFDHERIPERIVHARGSGAHG VGKNGPALL QDANFLDEISSFDRERIPERVVHARGAGAFG AGERGPTLLEDFHFREKLTHFDHERIPERVVHARGTGAHG AGSRGPTLIQDVHLLEKLAHFNRERVPERVVHAKGAGAHG VGRRGPSLLEDFHFRDKMFHFDHERIPERVVHARGFGVHG AGERGPSLLEDVFLREKLTHFDHERIPERVVHARGAAHG AGPRGGTLLEDFHFREKIFHFDHERIPERVVHARGAGAHG VGPRGGTLLEDFHFREKIFHFDHERIPERVVHARGAGAHG
UniRef90_P17336 UniRef90_W2S118 UniRef90_F6F2H9 UniRef90_UP10002378E38 UniRef90_UP10004759BCF UniRef90_Q1QDB0 UniRef90_A8CWF1 UniRef90_Q911W8	V G P R G P I L L Q D V N F L D E M S H F D R E R I P E R V V H A K G A G A F G V G P R G P L L M Q D V V F M D E M A H F D R E R I P E R V V H A K G G G A H G V G E R G P T L L E D F H F R E K I F H F D H E R I P E R V V H A R G F G V H G A G P R G P A L L Q D V W F L E K M A H F V R E V I P E R R M H A K G S G A Y G Q G A R G P V L L E D P H F R E K I F H F D H E R I P E R V V H A R G S A A H G V G L N G P I L L Q D H N F L D E M S A F D R E R I P E R V V H A R G S A A H G A G E R G P S L L E D F I M R E K I T H F D H E R I P E R V V H A R G S A A H G
UniRef90_C5AP82 UniRef90_D2QLN8 UniRef90_UPI00047BA364 UniRef90_D8NYP9 UniRef90_F0SCD5 UniRef90_E5Y7Y1 UniRef90_H8MMX5	A GERGPSL LEDFI MREKITHFDHERI PERVVHARGSAAHGAGSRGPVLMQDYHLIEKMAHFNRERI PERVVHAKGYGAYGAGPRGATLLEDFI LREKITHFDHERI PERIVHARGAAAHGAGARGSTLLEDFI LREKI MHFDHERI PERIVHARGAAAHGAGARGSTLLEDFI LREKI MHFDHERI PERVVHARGAAAHGAGPRGPMLLEDVWFLEKLAHFDREVI PERRVHAKGSGAYGAGERGATL LEDFI FREKITHFDHERI PERVVHARGSGAHGAGPRGPMLLQDTWFLEKLAHFDREVI PERRVVHARGSGAHGAGSRGPTLLEDFHFREKLTRFDHERI PERVVHARGSGAHGAGSRGPTLLEDFHFREKLTRFDHERI PERVVHARGSGAHGAGSRGPTL MEDFHFREKLTRFDHERI PERVVHARGSGAHGAGSRGPTL MEDFHFREKLTRFDHERI PERVVHARGSGAHGAGSRGPTL MEDFHFREKLTRFDHERI PERVVHARGSGAHGAGSRGPTI MEDFHFREKLTRFDHERI PERVVHARGSGAHG
UniRef90_UPI00040D302E UniRef90_A1BAY0 UniRef90_V4RAM5 UniRef90_W8RNU0 UniRef90_A0A023H6A5 UniRef90_A0A024Q4S1 UniRef90_E3HUX6 UniRef90_UPI000381A815	A G P R G P I L LE D F L L E K L A H Q N R E R I P E R I V H A R G S A A H G A G P R G P V L M Q D F H L L E K L A H Q N R E R I P E R I V H A K G S G A Y G A G E R G P S L L E D F I M R E K L T H F D H E R I P E R I V H A R G S A A H G A G P R G P V L L Q D V H L I E K L A F Q N R E R I P E R V V H A K G W G A Y G A G P R G P L L L Q D V W F L E K L A H F D R E V I P E R R M H A K G S G A Y G A G L R G P A L L K D F I L R E K I T H F D H E R I P E R I V H A R G S A A H G
UniRef90_S2JRL0 UniRef90_C3IQR3 UniRef90_UPI0004003798 UniRef90_F8JXN3 UniRef90_A0DIN2 UniRef90_G7UT56 UniRef90_X7F8D1	A G Q R G P A L L Q D V W F L E K L A H F D R E V I P E R R M H A K G A G A F G A G P W G P V L L Q D F H L I D K L A H F D R E R I P E R V V H A K G A G A H G A G D R G P T L L E D F L M R E K L S H F D R E R I P E R V V H A R G Y G A H G A G K H G P L L L E D F W F L E K L A H F D R E V I P E R R M H A K G S G A F G A G I G G P L L L Q D D Q H L L E K L A R F N R E R I P E R V V H A R G S G A H G A G E Y G P L L L Q D T H L I D K L A H F D R E R I P E R V V H A K G A G A Y G S T R G P T L L E D F V L R E K L T H F D H E R I P E R V V H A R G Y G A H G I G Q R G P S L I E D F H F R E K L F H F D H E R I P E R V V H A R G Y G A H G I G Q R G P S L I E D F H F R E K L F H F D H E R I P E R V V H A R G Y G A H G I G Q R G P S L I E D F H F R E K L F H F D H E R I P E R V V H A R G Y G A H G I G Q R G P S L I E D F H F R E K L F H F D H E R I P E R V V H A R G Y G A H G I G Q R G P S L I E D F H F R E K L F H F D H E R I P E R V V H A R G Y G A H G I G Q R G P S L I E D F H F R E K L F H F D H E R I P E R V V H A R G Y G A H G I G Q R G P S L I E D F H F R E K L F H F D H E R I P E R V V H A R G Y G A H G I G Q R G P S L I E D F H F R E K L F H F D H E R I P E R V V H A R G Y G A H G I G Q R G P S L I E D F H F R E K L F H F D H E R I P E R V V H A R G Y G A H G I G Q R G P S L I E D F H F R E K L F H F D H E R I P E R V V H A R G Y G A H G I G Q R G P S L I E D F H F R E K L F H F D H E R I P E R V V H A R G Y G A H G I G Q R G P S L I E D F H F R E K L F H F D H E R I P E R V V H A R G Y G A H G I G Q R G P S L I E D F H F R E K L F H F D H E R I P E R V V H A R G Y G A H G I G Q R G P S L I E D F H F R E K L F H F D H E R I P E R V V H A R G Y G A H G I G T T T T T T T T T T T T T T T T T
UniRef90_X6FKT1 UniRef90_Q1CZ54 UniRef90_UPI00040E7B0A UniRef90_N6UDL6 UniRef90_W4T962 UniRef90_M4WRV9 UniRef90_I1AWF4 UniRef90_D2BF90	AGPRGPILLEDFAFREKMMKFDAERI PERAVAARGAGAAG AGPRGPVLMQDWQLIEKLAHQNRERI PERVVHAKGWGAFG
UniRef90_B0T3B3 UniRef90_A6Q7E0 UniRef90_UPl00036B0333 UniRef90_G0J593 UniRef90_G4SX84 UniRef90_F8EUW4 UniRef90_K9XD87 UniRef90_Q8PVL3	A G S R G P V L M Q D V Y L Q E K L A H F D R E E I P E R I V H A K G A G A H G A G K R G P A L Q D Y Q L I E K L A H Q N R E R I P E R V V H A K G W G A Y G V G P R G P I L L E D Y I L H E K M A H F N R E R I P E R V V H A K G S G A F G A G Q R G P T L L Q D V Y L V E K L A H F N R E R I P E R V V H A K G S G A F G A G D R G P V L M Q D F H L M E K L A H F N R E R I P E R V V H A K G A A A F G
UniRef90_K9HM57 UniRef90_Q7VK49 UniRef90_U4T8B3 UniRef90_I4X684 UniRef90_I7ZJC9 UniRef90_U5VZN7 UniRef90_E3BCN5	A G P R G P I L L D P H F R E K L I H F D H E R I P E R V V H A R G S G A H G A G P R G P I L L Q D Y Q L V E K L A H Q N R E R I P E R V V H A K G W G A F G A G K K G P T L L Q D T W L L E K L A H F D R E R I P E R V V H A K G S G A Y G A G E R G P V L L Q D W Q L L E K L A H F N R E R I P E R V V H A K G S G A Y G A G E R G P T L L E D F H F R E K M T H F D H E R I P E R V V H A R G Y A A H G A G P R G P S L L E D F A L R E K I T H F D H E R I P E R V V H A R G S A A H G A G D R G P S L L Q D A A F R D K I M H F D H E R I P E R V V H A R G Y G A H G A G Q R G P V L L E D Y H L I E K L A H F D R E R I P E R V V H A R G Y G A G A F G A G S R G P T L L E D Y H L I E K L A H F D R E R I P E R V V H A R G A G A F G A G S R G P T L L E D F H R E K L A H F D H E R I P E R V V H A R G A G A F G A G S R G P T L L E D F H R E K L A H F D H E R I P E R V V H A R G A G A H G A G S R G P T L L E D F H R E K L A H F D H E R I P E R V V H A R G A G A H G A G S R G P T L L E D F H R E K L A H F D H E R I P E R V V H A R G A G A H G A G S R G P T L L E D F H R E K L A H F D H E R I P E R V V H A R G A G A H G A G S R G P T L L E D F H R E K L A H F D R E R I P E R V V H A R G A G A H G A G S R G P T L L E D F H R E R E R R R R R R R R R R R R R R R
UniRef90_S9T5G8 UniRef90_R4T003 UniRef90_U6MV97	A G Q R G P V L L E D Y H L I E K L A H F D R E R I P E R V V H A R G A G A F G A G S R G P T L L E D F H A R E K I T H F D H E R I P E R V V H A R G A G A Y G A G P N G P V L L S D F H L L D K L A H F N R E R I P E R V V H A K G A G A H G

QUERY	S	20
UniRef90_R7U0D1 UniRef90_UPI00035944A2 UniRef90_M9UWB5 UniRef90_G9C5E5	F F E V T H D I T K Y S K A K V F E H I G K K T P I V A R L S T V G G E K G S A Y F E V T H D V S K Y C K A K I F E H V G K R T P L A V R F S T V G G E K G S A Y F E V T H D I T K Y C R A N I F S E I G K K T P I A V R F S T V G G E S G S A Y F E V T H D I S A Y C K A K I F S E I G K R T P L A V R F S T V G G E S G S A	\ \ \
UniRef90_K4MB62 UniRef90_E2C018 UniRef90_L7M329	Y F E V T H D I S A Y C K A K F S E I G K R T P L A V R F S T V G G E S G S A Y F E V T A D V T G Y T K A K F L S E I G K K T E V F V R F S T V G G E K G S A Y F E V T H D I S K Y C K A K V F S S I G K R T P L A I R C S T V G G E S G S A Y F E V T H D I T K Y T K A S I F S Q V G K R T P L A V R F S T V G G E S G S A Y F E V T H D I T K Y C A A K V F D T V G K K T P L A V R F S T V G G E S G S A Y F E V T H D I T Q Y C K A T V F E H I G K R T P I A I R F S V V A G E S G S A	, , ,
UniRef90_J9HGP0 UniRef90_UPl00046252BF UniRef90_F6DQ92	Y F E V T H D I T K Y T K A S I F S Q V G K R T P M A V R F S T V G G E S G S A Y F E V T H D I T K Y C A A K V F D T V G K K T P L A V R F S T V G G E S G S A Y F E V T H D I T Q Y C K A T V F E H I G K R T P I A I R F S V V A G E S G S A Y F E V T H D V S R F T R A A F L S E I G K R T D L F V R F S T V G G E K G S A	`` \ \
UniRef90_UPI00040AFC23 UniRef90_E3HUA7 UniRef90_W3AHJ1	Y F E V T H D V S R F T R A A F L S E I G K R T D L F V R F S T V G G E K G S A T F R V T A D V T K W T R A K F L S E V G K E T E V F L R F S T V G G E K G S A T F T V T H D I S R Y T R A N F S Q V G K Q T P L F L R F S T V A G E R G A A Y F E V T Q D L T K Y T K A A F L S E V G K K T D M F A R F S T V A G E L G S A	\ \ \
UniRef90_S4REW1 UniRef90_G7Q8R8 UniRef90_E0VNL6	Y F E V T Q D L T K Y T K A A F L S E V G K K T D M F A R F S T V A G E L G S A F F E V T H D I T N Y C K A K V F E H V G K R T P I A V R F S T V G G E S G S A Y F E V T A D V T R Y T K A A L F A Q V G K R T D M F A R F S T V G G E R G S A Y F E V T H D I R K Y C R A S V F S E I G K K T P V A V R F S T V G G E S G S A	\ \ \
UniRef90_J9IIR7 UniRef90_UPI0003A87E3C UniRef90_W7CKT1	YFEVTHOIRKYCRASVESEIGKKTPVAVRFSTVGGESGSAYFEVTHOVTKFTKAKFLNEIGKRTPLFTRFSTVAGENGSAYFESYDNYSALTRAAPFADKGKRTPVFVRFSTVAGERGSAVFKVTNDLTKYTRADFLSEVGKETEMLARFSTVAGELGSA	4 4
UniRef90_K2HK23 UniRef90_A9B4C7 UniRef90_T1F193	T L T I T G D I S Q Y S M A D I F S K K G K V T D C L L R F S T V A G E R G A A T F T V T N D V T A Y T K A S I F G A V G K Q T P M L L R F S T V A G E H G A A Y F E V T H D I T K Y C K A K V F E H V G K K T P V F V R F S T V A G E M G S A Y F E V T H D I S K Y C K A K F L N R V G K R T P I F T R F S T V G G E K G S A	\ \ \
UniRef90_H2EZP3 UniRef90_S9PJ95 UniRef90_H2B639	Y F E V T H D I S K Y C K A K F L N R V G K R T P I F T R F S T V G G E K G S A Y F Q P Y E S L A D L T K A K L F Q D P S K K T P V F V R F S T V A G S R G S N Y F E V T H D I T K Y C K A A V F G Q V G K Q T P I A V R Y S T V G G E S G S A T F T V T N D I S Q Y T G A K I F S E V G K K T D M F A R F S T V A G E R G A A	Л
UniRef90_UPI00047B391B UniRef90_I4MXB3 UniRef90_UPI0003B34154 UniRef90_UPI000415AF42	Y F E V T H D I T K Y C K A A V F G Q V G K Q T P I A V R Y S T V G G E S G S A T F T V T N D I S Q Y T G A K I F S E V G K K T D M F A R F S T V A G E R G A A T F T V S K D I T D T C A K L F S E V G K Q T P T F L R F S T V G G E R G S A V F E V T N D I S N Y T K A D F L S E K G K E T P M F I R F S T V A G E S G S A F F E A Y E P I T D T M A A P F Q A A G K R T P V F V R F S T V A G E R G S K	\ \
UniRef90_I4DMH7 UniRef90_Q0W6G9 UniRef90_UPI000363CFEE	Y F E V T H D I S K Y S A A K V F E S I G K R T P I A V R F S T V G G E S G S A Y F E C Y E S M A E Y T M A S F L Q E A G K K T P V F V R F S T V V G F R G S A Y F E V T N D L S Q Y T K A N F L S E V G K R T P M F I R F S T V A G E L G S S	\ \ \
UniRef90_UPI00037A9124 UniRef90_F6Al31 UniRef90_K7SKB4	VFENYESLSDITSADLFQRÄGEKTDTFVRFSTVAGNKGSPYFQVYEDLSELTKADFLTDPSKKTPVFVRFSTVQGPRGSAFFELTDSLSDYTTASVLGKTGTRVPAFVRFSTVAGGKGSFYFEVTHDITQYCAAKIFDKVKKRTPLAVRFSTVGGESGSA	<u> </u>
UniRef90_P17336 UniRef90_W2SI18 UniRef90_F6F2H9	Y F Q V Y E D L S E L T K A D F L T D P S K K T P V F V R F S T V Q G P R G S A F F E L T D S L S D Y T T A S V L G K T G T R V P A F V R F S T V A G G K G S F Y F E V T H D I T Q Y C A A K I F D K V K K R T P L A V R F S T V G G E S G S A Y F E V T H D I T K Y C K A D L F D K V G K Q T P V F V R F S T V A G N K G S F T F T L T E S L E E F T T A K I L T E V G E K T P M F V R F S T V A G N K G S F T F T V T H D I T R Y T R A K L F S D V G K M T D L F L R F S T V A G E R G A A	\ <u>\</u>
UniRef90_UPI0002378E38 UniRef90_UPI0004759BCF UniRef90_Q1QDB0	Y F E V T H D I T K Y C K A D L F N K V G K Q T P V F V R F S T V G G E S G S A T F T L T E S L E E F T T A K I L T E V G E K T P M F V R F S T V A G N K G S F T F T V T H D I T R Y T R A K L F S D V G K M T D L F L R F S T V A G E R G A A F F E L T D S L A D V T R A D V F Q R V G E R T P A F V R F S T V A G S K G S F Y F E L T E S L E E Y T T A K I L T E T G K Q T P L F T R F S T V A G S K G S K Y F E V T H D I Q K Y C A A K V F D T V G K R T P I A V R F S T V G G E S G S A	\ : (
UniRef90_A8CWF1 UniRef90_Q9I1W8 UniRef90_C5AP82	Y F E V T H D	٠ ١ ١
UniRef90_D2QLN8 UniRef90_UPI00047BA364 UniRef90_D8NYP9	Y F Q A Y E P Q P E L T K A K F L L D P S V Q T P V F V R F S T V A G S R G S T Y F Q V Y A P L S R Y T K A E F L Q D P K V K T P V F V R F S T V Q G S R G S A K L I V T H D L T Q Y T K A S L F A K V G K E T P V F L R F S T V A G E R G A A	\ \
UniRef90_F0SCD5 UniRef90_E5Y7Y1 UniRef90_H8MMX5	V	\ \
UniRef90_UPI00040D302E UniRef90_A1BAY0 UniRef90_V4RAM5 UniRef90_W8RNU0	TFTVTHDITRYTKASLESQIGKKTDLEMRRSTVAGERGAAYFQVYESQAKYTRAKFLQDPSKKTPVFVRFSTVAGSRGSAYFQPYESFAKYTKASLESNPAVKTPVFVRFSTVAGSRGSAYFQPYESFAKYTKAKFLSNPAVKTPVFVRFSTVAGGAGSVKLTITNDISKYSCASIFSKVGNECEAFLRFSTVAGGAGSVKLTITNDISKYSCASIFSKVGNECEAFLRFSTVAGGRGAAVFVSVDDHSALTKASFLAGKGKRTPAFVRFSTVAGGRGAGSVKLTITNDISKYSCASIFSKVGNECEAFLRFSTVAGGRGAA	<u> </u>
UniRef90_A0A023H6A5 UniRef90_A0A024Q4S1 UniRef90_E3HUX6	SLTVTQDITKYTKASPFQKIGKKTDLVMRMSTVAGEQGAATFTVTKDITKYTKASPFQKIGKKTDLVMRMSTVAGERGGAATFTVTKDITKYTKASPFQKIGKKTDMFVRFSTVAGERGGAYFECYKPLTDLTAASLFAEAGKRTPVFVRFSTVAGERGSK	\ \ <
UniRef90_UPI000381A815 UniRef90_S2JRL0 UniRef90_C3IQR3	SFTVTHDITPYTRAKIFSEVGKKTEMMVRFSTVAGERGAAEFEVTHDITHLTKAKFLSEVGKKTPMFARFSTVGGERGSAIFELYESLELTMAHFLQDPSKKTPLFLRFSEVAGSKGAN	\ \ \
UniRef90_UPI0004003798 UniRef90_F8JXN3 UniRef90_A0DIN2	T F T V T H D I T K Y T K A R L F S E I G K K T E M F A R F S T V A G E R G A A H F E V T D D V T G F T K A A F L N T V G K R T E V F L R F S T V A G N L G A A Y F E V T G D V T K Y T K A K F L D T V G K R T P I F T R F S T V G G E K G S A	\ \ \
UniRef90_G7UT56 UniRef90_X7F8D1 UniRef90_X6FKT1	F F E L T K S L S E Y T T A K T L T E V G E K T P L F A R F S T V A G G A G S T F F E T Y E S L A D L T C A D L F Q R A G E R T E A F V R F S T V A G N M G S P F F E T Y E S L A A Y T R A D L F Q R A G E K T P A F V R F S T V A G S K G S F Y F Q V Y K S L E K Y T Q A R F L T D P S L R T P V F V R F S T V G G S R G S A	<u>-</u>
UniRef90_Q1CZ54 UniRef90_UPI00040E7B0A UniRef90_N6UDL6 UniRef90_W4T962	ELTVTEDITRYSKARLESEVGKKTPLLLRESTVAGELGAAYFKVTHDLTEYCAAKVEEGIGKTTPIAVRESTVAGEAGSAVFKLTKSMAAYTKAKELTELGKETPVFVRFSTVAGSKGST	ί 1
UniRef90_M4WRV9 UniRef90_I1AWF4 UniRef90_D2BF90	TFTVTHDITRYSRAKLFSQVGKQTPLFLRFSTVAGERGAA YFE <mark>C</mark> TDAIPELTSASLFQEAGKRVPAFVRFSTVAGNKGSF YFEVHDDLAA <u>F</u> TAAR <u>FL</u> TTPGLRTPVFTRFSTVAGSRGS <u>A</u>	<u>\</u> -
UniRef90_B0T3B3 UniRef90_A6Q7E0 UniRef90_UPI00036B0333	F F E L Y E S L S D L T K A D I F Q R A G E K T P L F T R F S T V A G G A G S V T F T V T K D I T A Y T K A D I F S E V G K Q T R T F T R F S T V G G E R G S A E L E I T N D I S Q Y S K A K L F A D V G K K T E L L I R F S T V A G E L G A A	<u>/</u> \ \
UniRef90_G0J593 UniRef90_G4SX84 UniRef90_F8EUW4	TFTVTNDI SÄYTKAKVENKI GKKTKVELRESTVGGEKGSPFFELTQSLEQYTTAKVLTEVGEQTPLFTRISTVAGGSGSRELTVTKDI TRYTKAKLESEVGKKTPMFGRESTVGGEKGSA	, ,
UniRef90_K9XD87 UniRef90_Q8PVL3 UniRef90_K9HM57	FFQVYEPMTEYTSAKFLQDPNKKTPVFVRFSTVVGGEKGSA	\ \ \
UniRef90_Q7VK49 UniRef90_U4T8B3 UniRef90_I4X684 UniRef90_I7ZJC9	VFEAYGSLEHLTKAGKSKKTPVFVRFSTVAGERGAAVFENYFENYFSILAGKGSAGKTEVFLRFSTVAGSKGSA	\ \ /
UniRef90_172JC9 UniRef90_U5VZN7 UniRef90_E3BCN5 UniRef90_S9T5G8	F F E L T Q S L E Q Y T T A K V L T E V G E Q T P L F T R L S T V A G G S G S R E L T V T K D L T R Y T K A K L F S E V G K K T P M F G R F S T V G G E K G S A F F T V T H D L T C Y S K A K V E S E V G K K T P V F V R F S T V V G F R G S A F F Q V Y E P M T E Y T S A K F L Q D P N K K T P V F V R F S T V V G F R G S A T F T V T N D L S K Y T N A R L F S E V G K K T D L L A R F S T V A G E Q G A A E L T I T N D L T Q Y T K A E L F N K V G K K T K A F L R F S V V A G E R G A A T F T L T K S L S D Y T L A D Y L Q Q Q G E K T E V F L R F S T V G G E M G S G V F E A Y G S L E H L T K A K F L S G K S K K T P V F V R F S T V A G G A G S V V F E A Y G S L E H L T K A K F L S G K S K T P V F V R F S T V L G S R G S A V F E S Y D D H S D L T A A Y L F G K K G R Q T E T F V R F S T V L G S R G S A V F E S Y D D H S D L T A A Y L F G K K G R Q T E T F V R F S T V A G S R G S A V F R P Y Q S M S K Y T K A A F L Q D P S L E T K V F V R F S T V A G S R G S A V F E S Y D D A L S D Y T V A E F L T S G E K L P V F V R F S T V G G E K G S A V F K V T H D L T K Y C K A A V F E G L G K E T E V F V R F S T V G G E K G S A V F K V T H D L T K Y C K A A V F E G L G K E T E V F V R F S T V G G E K G S A V F K V T H D L T K Y C K A A V F E G L G K E T E V F V R F S T V G G E K G S A S V F K V T H D L T K Y C K A A V F E G L G K E T E V F V R F S T V G G E K G S A V F K V T H D L T K Y C K A A V F E G L G K E T E V F V R F S T V G G E K G S A V F K V T H D L T K Y C K A A V F E G L G K E T E V F V R F S T V G G E K G S A V F E G L G K E T E V F V R F S T V G G E K G S A V F E G L G K E T E V F V R F S T V G G E K G S A V F E G L G K E T E V F V R F S T V G G E K G S A V F E G L G K E T E V F V R F S T V G G E K G S A V F E G L G K E T E V F V R F S T V G G E K G S A V F E G L G K E T E V F V R F S T V G G E K G S A V F E G L G K E T E V F V R F S T V G G E K G S A V F E G L G K E T E V F V R F S T V G G E K G S A V F E G L G K E T E V F V R F S T V G G E K G S A V F E G L G K E T E V F V R F S T V G G G S G S A V F E G L G T T T T T T T	\ \ \
UniRef90_R4T003 UniRef90_U6MV97	FFEAYDDALSDYTWAEFLTSGEKIPVRFSTVAGSRGSA WFKVTHDITKY <mark>C</mark> KAAVFEGLGKETEVFVRFSTVGGEKGSA	\

	130 140 150 160
QUERY UniRef90 R7U0D1	DTVRDPRGFAVKFYTEDGNWDLVGNNTPIFFIRDALLFPS DTARDPRGFAVKFYTDEGNWDLVGNNTPIFFIRDPMLFPS
UniRef90_UPI00035944A2 UniRef90_M9UWB5	DTARDPRGFAVKFYTDEGNWDLVGNNTPIFFIRDPMLFPS DTARDPRGFAVKFYTEEG <u>N</u> WDLVGNNTPVFFIRDP <u>L</u> FP <u>S</u>
UniRef90_G9C5E5	DT VRDPRGFAVKFYTEEG WDL VGNNTPLFFIRDPLFFPV
UniRef90_K4MB62 UniRef90_E2C018	DT VRDPRGFAVKFYTEEGIWDL VGNNTPIFFIRDPIFFPV DAARDPRGFAVKFYTEEGNYDL VGNNTPVFFIRDPLKFPD DTVRDPRGFAVKFYTEEGIWDL VGNNTPVFFIRDPLKFPD
UniRef90_L7M329 UniRef90_J9HGP0	DTVRDPRGFAVKFYTDEGNWDLVGNNTPIFFIRDPFFFPS DTARDPRGFAVKFYTDDGVWDLVGNNTPIFFIRDPILFPS
UniRef90_UPI00046252BF	D T I V I R D P R G F A M K F Y T F F G N W D II V I G N N T P II I F F II I R D A II I I F P S
UniRef90_F6DQ92 UniRef90_UPI00040AFC23	D A E R D P R G F A L K L Y T E D G N Y D I V G N N T P V F F I I R D P L K F P D
UniRef90_E3HUA7 UniRef90_W3AHJ1	DAERDVRGFAIKFYTEEGNWDLVGNNTPVFFIRDPLKFPD DTVRDPRGFALKFYTEEGNYDLVGNNTPIFFIRDAIKFPD
UniRef90_S4REW1 UniRef90_G7Q8R8	DT VR DPR GF ALKFYTEEGNYDL VGNNTPIFFIRDAIKFPD DTVRDPR GFPVKFYTEEGNWDL VGNNVPIFFIRDPILFPS DT ARDPR GF ALKFYTE DGNYDL VGNNTPVFFLRDPLKFPD
UniRef90_E0VNL6 UniRef90_J9IIR7	D T I V I R D P R G F A I V I K F Y T D E G N W D I L V I G N N T P II I F F II I R D P I L L I F P S
UniRef90_UPI0003A87E3C	D T V R D V R G F A V K F Y T E E G N W D L V G N N M P V F F I O D A M K F P D
UniRef90_W7CKT1 UniRef90_K2HK23	DTLRDPRGFSLRFYSEEGNYDLVGNNTPVFFIRDPLKFPD DAERDVRGFALKFYTDEGNWDLVGNNTPVFFVRDPYKFPD
UniRef90_A9B4C7 UniRef90_T1F193	DAERDIVIRGEAIVIKEYTDEGNWDII VIGNNTPIVIEEIVIRDPYKESD
UniRef90_H2EZP3 UniRef90_S9PJ95	DT VR DL R G F A T K F Y T E E G N W D I V G N N S P I F F I R D P I L F P S D T A R D P R G F A V K F Y T E E G N W D M T G N N T P V S F L R D P S K F P D D T A R D V R G F A V K F Y T E E G N W D L V G N N L P V F F I Q D A L K F P D
UniRef90_H2B639	DTARDPRGFAVKFYTEEGNWDLVGNNTPIFFLRDPMLFPS
UniRef90_UPI00047B391B UniRef90_I4MXB3	DTARDPRGFAVKFYTEEGNWDLVGNNTPIFFIRDPMLFPS DAERDIRGFALKFYTEEGNWDLVGNNTPVFFFRDPLKFPD DTERDPRGFALKFYTEEGNWDIVGNNTPVFFIRDPLKFPD
UniRef90_UPI0003B34154 UniRef90_UPI000415AF42	D T V R D P R G F A V K F Y T E E G N Y D L V G N N T P I F F I R D A L K F P D D T A R D V R G F A V K F Y T E Q G N W D L V G N N I P V F F I Q D A M K F P D
UniRef90_I4DMH7 UniRef90_Q0W6G9	DTVRDPRGFAVKFYTDDGNWDLVGNNTPIFFIRDPTLFPS DTVRDARGFA <u>T</u> KFYTEDGNYDLVGNNLPVFFIQDAIKFPD
UniRef90_UPI000363CFEE	D <u>T</u> VRD <u>P</u> RGFAVKFYTEEGNYD V GNN <u>T</u> P V FF RDA KFPD
UniRef90_UPI00037A9124 UniRef90_F6AI31	DTIVIR DIVIR GEATKEYTDEGNEDII I IGNNMPIVIE EII IODAII IKEPD
UniRef90_K7SKB4 UniRef90_P17336	DLARDVRGFAVKLYTEEGNWDLVGNNMPVFFIQDAIKFPD DTARDPRGFAVKFYTEDGWWDLVGNNTPVFFIRDPILFPS
UniRef90_W2SI18 UniRef90_F6F2H9	DTARDPRGFAVKFYTEEGNWDLVGNNTPIFFIRDPILFPN DLARDVRGFAAKFYTKEGNWDIVANNIPVFFIQDAIKFPD
UniRef90_UPI0002378E38 UniRef90_UPI0004759BCF	DAERDIRGFAVKFYTEEGNWDLVGNNTPVFFLRDPLKFPD
UniRef90_Q1QDB0	DTPRDIVIRGESIVIKIVIYTEEGNWDILVIGNDMPII IFFII IQDAMKFPD
UniRef90_A8CWF1 UniRef90_Q9I1W8	D TIVIR DIVIR G F AIVIK F Y T D E G N F DIL VIG N N M PIVIF FII IQ D AII IK F P D
UniRef90_C5AP82 UniRef90_D2QLN8	DTARDPRGFALKFYTEEGNWDLVGNNTPIFFVRDAIKFSDDLARDVRGFAVKFYTEEGNFDLVGNNIPVFFIQDAIKFPD
UniRef90_UPI00047BA364 UniRef90_D8NYP9	DTVRDLRGWATKFYTQEGNFDLVGNNTPIFFIQDAIKFPD DAERDPRGFALKFYTDEGNWDLVGNNTPVFFLRDPLKFPD
UniRef90_F0SCD5 UniRef90_E5Y7Y1	DLSRDVRGFAVKFYTQEGNFDLVGNNMPIFFIQDAMKFPDDAERDIRGFAIKFYTDQGNWDLVGNNTPVFFLRDPLKFPD
UniRef90_H8MMX5	DTVRDVRGFAVKFYTEEGNFDLVGNNIPVFFI QDGI KFPD
UniRef90_UPI00040D302E UniRef90_A1BAY0	DTPRDIVIRGEAIVIKEYTDEGNWDILVIGNNII IPIVIEFII IQDAII IKEPD
UniRef90_V4RAM5 UniRef90_W8RNU0	DAERDVRGFALRFYTDAGNWDIVGNNTPVFFIRDPLKFPD DTVRDVRGFATKFYTDEGLFDLVGNNMPVFFIQDAIKFPD
UniRef90_A0A023H6A5 UniRef90_A0A024Q4S1	DAERDVRGFAIKFYTEEGNWDLVGNNTPVFFVRDPLKFPD DAERDIRGFSMRFYTEEGNWDIVGNNTPVFFFRDPLLFPD DTARDVRGFAVKFYTDEGNWDLVGNNMPVFFIQDAMKFPD
UniRef90_E3HUX6 UniRef90_UPI000381A815	DTARDVRĞFAVKFYTDEĞNWDLVĞNNMPVFFIQDAMKFPD DAERDIRGFA <u>M</u> KFYTEEGN <u>W</u> DLVGNNTPIFFIRDP <u>L</u> KFPD
UniRef90_S2JRL0	DTARDPRGFALKFYTEEGNLDI VGNNTPVFFI RDPSKFPD
UniRef90_C3IQR3 UniRef90_UPI0004003798	DAERDURGFALKFYTEEGNWDLAGNNTPVFFMKDPYKFTD
UniRef90_F8JXN3 UniRef90_A0DIN2	D A E R D L R G F A L K F Y T E E G N W D L A G N N T P V F F M K D P Y K F T D D A V R D P R G F A V K F Y T E E G N W D L V G N N T P V F F I K D P L K F P D D S E R D P R G F A V K F Y T E E G N Y D M T G N N T P V F F I R D P S K F P D D T P R D V R G F A V K F Y T K E G N W D L V G N N I P V F F I Q D A I K F P D D L A R D V R G F A V K L Y T K E G N W D L V G N N I P V F F I Q D A I K F P D D L A R D V R G F A V K L Y T K E G N W D L V G N S I P V F F I Q D A I K F P D D L A R D V R G F A V K F Y T N E G N W D L V G N S I P V F F I Q D A I K F P D D L A R D V R G F A V K F Y T N E G N W D L V G N S I P V F F I Q D A I K F P D D L A R D V R G F A V K F Y T N E G N W D L V G N S I P V F F I Q D A I K F P D
UniRef90_G7UT56 UniRef90_X7F8D1	DTPRDVRGFAVKFYTKEGNWDLVGNNIPVFFIQDAIKFPD DLARDVRGFAVKLYTKEGNWDLVGNNIPVFFIQDAIKFPD
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UniRef90_UPI00040E7B0A UniRef90_N6UDL6	DAERDVRGFALKFYTEEGNWDI VGNNTPVFFVRDPLKFPD
UniRef90_W4T962	DLARDVRGFALKFYTEEGNYDL VANNMPVFFLQDALKFPD DAERDIRGFAMKFYTEEGNWDLVGNNTPVFYERDPLKFPD
UniRef90_M4WRV9 UniRef90_I1AWF4	DILIARDIVIRGEAIVIKMYTEDGNWDILVIGNNILIPIVIEEILIODAMKEPD
UniRef90_D2BF90 UniRef90_B0T3B3	DTPRDVRGFAVKFYTPEGNFDLVGNNMPVFFIIQDGIIKFPD
UniRef90_A6Q7E0 UniRef90_UPI00036B0333	DTARDPRGFATKFYTAEGNWDLVGNNTPVFFIRDPLKFPD DAERDVRGFAVKFYTEEGNWDLVGNNTPVFFIRDPYKFPD
UniRef90_G0J593 UniRef90_G4SX84	DTERDPRGFA V KFYTEDGNWD LV GNNTP V FF I KDPKKFSD
UniRef90_F8EUW4	D S A R D P R G F A L K F Y T E D G N W D L V G N N T P V F F I R D A I K F P D D A E R D P R G F A V K F Y T G E G N W D L T G N N T P V F F I R D P L K F P D
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UniRef90_U4T8B3 UniRef90_I4X684	DAERDVRGFALKLYTNEGNWDIVGNNTPVFFIKDALKFPDDAVRDPRGFAVKFYTREGNHDVVGNNTPIFFLRDPSKFPDETVRDARGFSTKFYTEEGNYDLVGNNMPVFFIQDALKFPDDTPRDVRGFAVKFYTQEGNWDLVGNNMPVFFIQDALKFPDDTPRDVRGFAVKFYTQEGNWDLVGNNIPVFFIQDALKFPD
UniRef90_I7ZJC9 UniRef90_U5VZN7	D T PR D V R G F A V K F Y T Q E G N W D L V G N N P V F F I Q D A L K F P D D T V R D V R G F A V K F Y T D E G N V D L V G N N M P V F F I Q D G I K F P D
UniRef90_E3BCN5	DI ARDVRGEATKEYTEEGNWDI VGNNI PVEEL ODAL KEPD
UniRef90_S9T5G8 UniRef90_R4T003	ETLR DPR GF AVKFYTTE GNYDL VGNNLPVFFIRDAI KFPD DTVR DVR GF ATKFYTR QGNYDL VGNNMPVFFI QDGI KFPD
UniRef90_U6MV97	DTLRDPRGFAVKFYSAAGVWDLVGNNTPVFFLRDPLKFPD

QUERY UniRef90_R7U0D1	190	200 S D R S N R
UniRef90_UPI00035944A2 UniRef90_M9UWB5 UniRef90_G9C5E5	FI HT QKRNPVTNLKDPDMFWDFI SLRPETTHQVSFLFS LI HT QKRNPATHLKDPDMFWDFI TLRPETTHQVTI LFS FI HT QKRNPETHLKDVDMFWDFI TLRPETTHQVMFLFS	SDR SDR SDR
UniRef90_K4MB62 UniRef90_E2C018 UniRef90_L7M329	F	3 D R G D R S D R
UniRef90_J9HGP0 UniRef90_UPl00046252BF UniRef90_F6DQ92	FI HT QKRNPATHLKDADMFWDFISLRPETTHQIMFLFAFIHSQKRNPQTHLKDPDMVWDFWSLLPESLHQVSFLFSFIHTQKRHPARHTQNPDMMWDFLSLTPESIHQVTILFS	ADR SDR SDR
UniRef90_UPI00040AFC23 UniRef90_E3HUA7 UniRef90_W3AHJ1	FI HT QKRNPATNLKDPTAVWDFASLSPETLHQFTILFS FI HT QKRDPKTNLRNATAAWDFWSLNPESLHQVTTLMS FI HT QKRDPRTHLKNPNAVWDFWSLSPESLHQVTYLMG	3 D R 3 D R G D R
UniRef90_S4REW1 UniRef90_G7Q8R8 UniRef90_E0VNL6	FI HT QKRNPQTHLKDPDMFWDFFSLRPESLHHM <mark>C</mark> I LFS FI HT QKRNPRTNLKDANMFWDFLSLTPESLHQVTI LFS FI HT QKRNPATHLKDPDMFWDFI TLRPETTHQVMI LFS	3 D R 3 D R S D R
UniRef90_J9IIR7 UniRef90_UPI0003A87E3C UniRef90_W7CKT1	FI HSQKRNPKNNI QDPNMVWDFWSYSPEALHQVTI LFS LI HAVKPEPHNGI PQHDTFWDFVTLMPESTHMLMWHLS FI HTQKRNPQTHLKSTTAVWDFWSLSPESLHQVTI LMS	SER SDR SDR
UniRef90_K2HK23 UniRef90_A9B4C7 UniRef90_T1F193	FIRTQKRDPRTNLRNPTAMWDFWSLSPESLHQVTILMS FIHTQKRDPKTNMRSPQAMWDFWSLSPESLHQVTILFS LNHSQKRNPKTNLRDADMFWDFISLRPETTYQVCILFS	SDR SDR SDK
UniRef90_H2EZP3 UniRef90_S9PJ95 UniRef90_H2B639	FI HT QKRNPQT NLRDANMF WDFLSLTPESLHQVTLLFS I HAAKPEPHHEMPQHDSF WDFI SLMPESAHMLMWVMS FI HT QKRNPATHLKDPDMF WDFI TLRPETTHQVSFLFS	3 D R 3 D R S D R
UniRef90_UPI00047B391B UniRef90_I4MXB3 UniRef90_UPI0003B34154	L N H A V K R D P R T N M R D A E N N W D F W T N L P E A L L Q V T I V M S FI H T Q K R L P Q S N L K S A Q A M W D F W S H S P E A L H Q V T I L F S FI H T Q K R D P Q T H L K D P D M A F D F W S L S P E S L H Q I T Y L H C	3 D R 3 D R G D R
UniRef90_UPI000415AF42 UniRef90_I4DMH7 UniRef90_Q0W6G9	L V H A V K P E P H H Q M P Q H D T F W D F V S L M P E S T H M L L W Q M S F I H T Q K R N P A T H L K D P D M F W D F L T L R P E T S H Q V L Y L F C L V H S L K P E P D D E M P Q H D T F W D F V A S H P E N A H M I M W V L S	3 D R G D R S D R
UniRef90_UPI000363CFEE UniRef90_UPI00037A9124 UniRef90_F6AI31	FI H T Q K R H P Q T H L K N P N A V W D F W S L S P E S L H Q L T T L M S L H A A K R G F P Q A Q T A H D N F W D F M S L M P E A M H M A V W L M S F V H A V K P E P H N E L P A H D T F W D F V S L T P E S A H M V L W T M S	3 D R 3 D R S D R
UniRef90_K7SKB4 UniRef90_P17336 UniRef90_W2SI18	MV H A V K R G F P Q A Q S A H D N F W D F A S L S P E T V H M L L W I M S F I H T Q K R N P Q T H L K D P D M F W D F L T L R P E S A H Q V C I L F S F I H T Q K R N P Q T H L K D A N M M W D F W G L R P E S T H Q V M F L M S	3 D R 3 D R 5 D R
UniRef90_F6F2H9 UniRef90_UPI0002378E38 UniRef90_UPI0004759BCF	L N H A A K R G F P Q A Q T A H D N F W D F L G L T P E S M H M I M W T M S L N H A V K R D P R T N M R S A D N N W D F W T S L P E A L L Q V T L V M S L I H A A K P E P D R A F P Q H D N F W D F L T L T P E S M H M V M W I M S	3 D R 3 D R 5 D R
UniRef90_Q1QDB0 UniRef90_A8CWF1 UniRef90_Q9I1W8	FU HAVK PEPDRGFPQHDTFWDFVSLSPETMHNVI WLMSFI HTQKRNPQTHLKDPDMFWDFI SLRPETTHQTAFLFS	3 D R 3 D R 5 D R
UniRef90_C5AP82 UniRef90_D2QLN8 UniRef90_UPI00047BA364	FI RTQKRDPRTHLKPHWRRWDFWSILSPEALHQVMFLYS LIHAVKPEPNNEIPQHDTFWDFISLTPESMHMVMWVMS FVHAVKPEPHNEIPQHDTFWDYVSLQPETLHNVTWAMS	3 D R 3 D R 5 D R
UniRef90_D8NYP9 UniRef90_F0SCD5 UniRef90_E5Y7Y1	FI HTQKRDPRTNLRNPVAAWDFFSRHPETLHQVTLVMS LVHAVKPEPDNELPQHDTFWDFLSLMPESTHMIMWLMS LNHVVKRDPRTNMHSAKNNWDFWTLLPEALHQVTVVMS	3 D R 3 D R 5 D R
UniRef90_H8MMX5 UniRef90_UPI00040D302E UniRef90_A1BAY0	L V H A I K P C P H H E II P Q H D S F W D F V S L V P E T M H M V M W I M S L V H A I K P C P D N E M P Q H D T F W D F A S L M P E T M H M L L W V L S L V H S V K R G Y P Q A A S A H D T F W D F V S L M P E S L H T V J W A M S	SDR SDR SDR
UniRef90_V4RAM5 UniRef90_W8RNU0 UniRef90_A0A023H6A5	FVHAVKPEPHNEIPQHDSFWDFVSLTPESAHMVIWAMS FIRTQKRHPKTNLRSPTAMWDFWSLSPESLHQVTILFS	SDR SDR SDR
UniRef90_A0A024Q4S1 UniRef90_E3HUX6 UniRef90_UPI000381A815	L NHAVKRDPRINMRSANNNWDFWINLPEALHQVII VMS L VHAVKPEPHHGMPQHDTFWDFVSLMPESTHMLMWLMS LNHAVKRDPRTGMRSAENNWDYWTNLPEALHQUTI VMS	SDR SDR SDR
UniRef90_S2JRL0 UniRef90_C3IQR3 UniRef90_UPI0004003798	LIHALKPEPHNEIPQHDTFWDFIANNQESAAMMMWIMS LNKAVKRDPQTNLRSANHNWDFWTLLPEALHQVTIVMS	S N H S D R S D R
UniRef90_F8JXN3 UniRef90_A0DIN2 UniRef90_G7UT56	FI H T Q K R N P Q T N L K D A N M F W D F L S L V P E S A H Q V T L L F S L I H A V K R G F P Q A A S A H D T F W D Y I S L T P E A M H M I M W A M S	S N R S D R
UniRef90_X7F8D1 UniRef90_X6FKT1 UniRef90_Q1CZ54 UniRef90_UPI00040E7B0A	VI HSVKPEPDRAFPQHDNFWDFISLTPESMHMVMWVMS FVHAVKPEPHNEIPQHDSLWDFVSLVPETHMIMWLMS	SDR SDR
UniRef90_W4T962 UniRef90_M4WRV9	FI HTQKRNPQTHLKDPNMMWDFHTLRPESLHQWMFLFC	GDR SDR
UniRef90_I1AWF4 UniRef90_D2BF90 UniRef90_B0T3B3	EVHAVKPEPHNE PQHDT LWDFVQLQPETTHMMMWLMS	S D R S D R S D R
UniRef90_B013B3 UniRef90_A6Q7E0 UniRef90_UPI00036B0333 UniRef90_G0J593	FI HT QKRMPDSNEKSDNMMWDFWSKSPESLHQITTLFS FI HT QKRHPKTNLRSAAAAWDFWSLSPESLHQLTILFS FI HT QKRDPYTNCKSPTMMWDYWSLTPESLHQVIIIMS	S N R S D R S D R
UniRef90_G4SX84 UniRef90_F8EUW4 UniRef90_K9XD87	FI H T Q K R D P R T N L R N P V A A WD F F S R H P E T L H Q V T V W S L V H A V K P E P D N E M P Q H D T F WD F W L L P E A L H Q V T V W M S V V H A A K P E P P H H E M P Q H D T F WD F W T L P E A L H Q V T V W M M S V V H A A K P E P P H H E M P Q H D T F WD F V S L W P E T M H M V M W M M S L V H A I K P Q P D N E M P Q H D T F WD F V S L W P E S L H T V V W M M S F V H A V K P E P P H N E M P Q H D T F WD F V S L S P E S L H Q V T M L W M M S F V H A V K P E P P H N E M P Q H D T F WD F V S L S P E S L H Q V T M L W M M S F V H A V K P E P P H T G M R S A T A M WD F W S L S P E S L H Q V T M L W M M S F V H A V K P E P P H T G M R S A N N N WD F W S L S P E S L H Q V T M L W M M M M M M M M M M M M M M M M M	SDR SDR SDR
UniRef90_Q8PVL3 UniRef90_K9HM57 UniRef90_Q7VK49	LVHAIKPEQDNQIPQHDTFWDFVSCHHENAHMIMWVLSFIRTQKRHPRTNLRSPTAQWDFWSLCPESIHQITILMSFIHTQKRDPKTNMKSPTAMWDFWSLHPESLHQVTILMS	3 D R 3 D R 5 D R
UniRef90_U4T8B3 UniRef90_I4X684 UniRef90_I7ZJC9	FI HTQKRNPVTNEKDPEAVWDFWSLNPQSMHQLTLLMS FVHAVKPEPHNEMPQHDTLWDFVINNQETAHMMMWLMS LIHAAKRGYPQSATAHDTFWDFIGLMPEATHMIMWAMS	3 D R 3 D R S D R
UniRef90_U5VZN7 UniRef90_E3BCN5 UniRef90_S9T5G8	FV H A V K P E P H N E M P Q H D T L WD F V I N N Q E T A H M M M WL M S L I H A A K R G Y P Q S A T A H D T F WD F I G L M P E A T H M I M WA M S L I H A G K P H P D R E I P Q H D T F WD F V S L H T E A T H H V M WA M S L V H S V K R G W P Q A A S A H D T F WD F I S L M P E S T H M A L W A M S M V H S L K P A P H T N I Q T P D H Y WD F M S L S P E S T N M L T W L F S F V H A V K P E P H N E I P Q H D T F WD F V S L Q P E S L H M V L W L M S F I H S Q K R N P Q T N L P D P N M F WD F L S L S P E T L H Q T T I L F S	3 D R 3 D R 5 D L
UniRef90_R4T003 UniRef90_U6MV97	FVHAVKPEPHNEI PQHDTFWDFVSLQPESCHMVLWLMS FIHSQKRNPQTNLPDPNMFWDFLSLSPETLHQTTILFS	S D R S D R

QUERY UniRef90_R7U0D1	210 220 230 240 GIPDGHRHMDGYGSHTFKLVNADGEAVYCKFHYKTDQGIK GTPDGYRNMNGYGSHTFKLVNKEGVAHYCKFHYKTNQGIK
UniRef90_UPI00035944A2 UniRef90_M9UWB5 UniRef90_G9C5E5 UniRef90_K4MB62	GTPDGYRNMNGYGSHTFKLVNKEGVAHYCKFHYKTNQGIKGTPDGYRRMNGYGSHTFKLVNAQDQAVYCKFHYKTNQGIKGTPDGYRHMNGYGSHTFKLVNAQDQAVYCKFHYKTDQGIKGTPDGYRHMNGYGSHTFKLVNAKNEAVYCKFHYKTDQKIKGTPATYRNMNGFSSHTYKWYNDNGEYFWVKYHFKTDQKIK
UniRef90_E2C018 UniRef90_L7M329 UniRef90_J9HGP0	GIPDGYRHMNGYGSHTFKLVNAKNEAVYCKFHYKTDQKIKGTPATYRNMNGFSSHTYKWYNDNGEYFWVKYHFKTDQGIKGIPDGYRHMNGYGSHTFKLVNSKNEMVYCKFHYKTDQGIKGIPDGYRHMNGYGSHTFKLVNSKNEMVYCKFHYKTDQKIKGIPDGYRHMNGYGSHTFKLVNAKGEAVYCKFHYKTDQKIKGIPDGYRFMNGYGSHTFKLVNASGEAVYCKFHFKCDQGIKGIPDGFRHMHGFGSHTFKLVNASGEAVYCKFHSKTDQGIK
UniRef90_UPI00046252BF UniRef90_F6DQ92 UniRef90_UPI00040AFC23 UniRef90_E3HUA7	GILPDGFRHMHGFGSHTFKLVNASGEAVYCKFHSKTDQGLKGTPKSFRHMDGHSSHTYMWYNQAGEYYWIKWHFKADLGFQGTPRSYRHMDGFSSHTFSWINAAGERVWVKYHFKTKQGIQGIPANLRQQHGFGSHTFSFINKDGERFYVKFHFKSQQGIA
UniRef90_W3AHJ1 UniRef90_S4REW1 UniRef90_G7Q8R8	GIPATLRHMHGFGSHTFKWTNAEGVSHWVKYHFLTEQGIQ GLPDGYRHMNGYGSHTFKMVNAAGEAVY <mark>C</mark> KFHYKTDQGIR GTPDGFRHMHGFGSHTYKWYNAAGEYFWVKYHFKTDQGIK
UniRef90_E0VNL6 UniRef90_J9IIR7 UniRef90_UPI0003A87E3C UniRef90_W7CKT1	GI PDG FRHMNG Y S SHI Y K WVN N K G E WYY Y WK Y H E K I D O GI K
UniRef90_K2HK23 UniRef90_A9B4C7 UniRef90_T1F193	GLPRTFRHMHGFGSHTYSFFNKKGERFWVKFHFKSMQGIE
UniRef90_H2EZP3 UniRef90_S9PJ95 UniRef90_H2B639 UniRef90_UPI00047B391B	GIPDGYRHMDGYGTNTFKLVNCRGEPVYCKFIHRTNQGIQGIPKDYRHMNGYSSHTFKLVNKEGKQYWVKFHFKTEQGIEALPRSYRMMEGFGVHTFRLINDKGVSRFVKFHWKPKLGVHGTPLGYRFMNGYGSHTFKMVNADDGAVYVKFHYKTNQGIKGIPASYRHMHGFGSHTYSLINAEGERFWVKFHHRTQQGIK
UniRef90_I4MXB3 UniRef90_UPI0003B34154 UniRef90_UPI000415AF42	G P D G Y R F M H G F G S H T Y S L V N A K G E R H WV K WH Y K S V Q G K G P A T W R H M N G Y G S H T F K WV N D Q G E A F WV K Y H F V S D Q G V K A P R S Y R T M Q G F G V H T F R M V N A K G R A V F V K F H W T P V L G T H
UniRef90_I4DMH7 UniRef90_Q0W6G9 UniRef90_UPI000363CFEE UniRef90_UPI00037A9124	GI F K 3 I K M M Q G F G V IN I F K F IV IN K Q G K G K F IV K F II WILF K E G V II
UniRef90_F6Al31 UniRef90_K7SKB4 UniRef90_P17336	A I PVGFRGMQGFGVHTYRL VNAEGRAHFVKFHWRPVAGVFALPRSFRFMEGFGVHTFRLINAEGKSTYVKFHWKPKQGLQGTPDGYCHMNGYGSHTFKLINAKGEPTYAKFHFKTDQGIK
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UniRef90_Q1QDB0 UniRef90_A8CWF1 UniRef90_Q9I1W8	GIPRSLRMLEGFGLHSYRLINKEGKSTFMRFHWKPVLGVQGIPDGYRHMNGYGSHTFKTINNKGEAFYVKFHYKTDQGLKALPLAYRNMQGFGVHTFRLVNAAGESVLVKFHWRPKSGTC
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UniRef90_UPI0002378E38 UniRef90_UPI0004759BCF UniRef90_Q1QDB0 UniRef90_A8CWF1	MPEKDAGTYHLINPFDLTKVWPHGDYPLIEVGELELNRNPE FDQAFADSFPFDVLDATKIIPEDILPVRVVGRLVLDRVVD FTEEEANDFPFDHLDATKLIPEEMVPVKIVGKMVLNRYPD MTFEQAEKFRFNPFDLTKIWPQAEYPLIKVGKMTLDRNPN
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UniRef90_W4T962 UniRef90_M4WRV9 UniRef90_I1AWF4 UniRef90_D2BF90	I P E E D E H K F D F D L L D P T K L V P E E E V P V E I F G T L T L N R N P D M P E K E A A T Y R Y N P F D L T K V W P H G D Y P L I E V G Y F E L N R N P A F D D A F A D K T D F D V L D S T K L I P E E D L P I R V V G R L V L D R T V D D C F D L A F D F D V L D S T K L I P E E D L P I R V V G R L V L D R T V D D C F D L A F D F D V L D S T K L I P E E D L P I R V V G R L V L D R T V D D C F D V C D R T V D D C T C T C T C T C T C T C T C T C T
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UniRef90_UPI000415AF42 UniRef90_I4DMH7 UniRef90_Q0W6G9	N Y F A E V E Q A A F S P G H F V P G I E A S P D K M L Q G R L F S Y S D A H R N F F A E T E Q V A F C P A N V V P G I D F T N D P L L Q G R L F S Y S D T H R N F F A E V E Q I A F S P S N L V P G I D F T N D P L L Q G R L F S Y L D T Q L N Y F A E V E Q V A F C P A N V V P G I D F T N D P L L Q G R L F S Y L D T Q L N Y F A E V E Q A T F S P G S F V P G V E A S P D K M L Q G R L F S Y L D T Q L N F F A E T E Q V A F Q T G N V V P G V D F T N D P L L Q G R N F S Y L D T Q L
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LI*:D*(00_C0 IDI 0	NFFAEII E QAAFAPSSI VPGI GFSPDRL L QGRLFSYGDT QR NYFAEVE QAAFSPSHL VPGVDTSADRL L QGRLFSYPDTHR NVFAETE QVALHPGSI I RGI DFTNDPL L QGRLFSYTDT QL NYFAQVE QAAFNPANVVPGI GFSPDRML QGRLFSYGDAQR
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UniRef90_S4REW1 UniRef90_G7Q8R8 UniRef90_E0VNL6	RIL G P N Y Q L I P V N A P Q K A	EVNNYQRDGQMNFGANGGGSVYARVRNYQRDGPMCMFDNQAGAPNATVANYQRDGPMCMFDNQAGAPNTVANYQRDGPQNYGNNQDGAPNTVANYQRDGPQNYGNNQDGAPNARVANYQRDGPATVNGNQGNGPN
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UniRef90_A9B4C7 UniRef90_T1F193 UniRef90_H2EZP3 UniRef90_S9PJ95	RLGTNYNQLPVN <mark>C</mark> PYRARLGTNYLQIPINAPFA	ARVISNY QRDGP QTF <mark>C</mark> N QGDAPN TKV RN QERDGGMT <u>V</u> N GN QGSAPN APV HNN QODGFK RHT I PFGRANY
UniRef90_H2B639 UniRef90_UPI00047B391B UniRef90_I4MXB3 UniRef90_UPI0003B34154	RLGVNHHQIPVNCPYR RLGVNHHQIPVNAPIN RVGTNHQQIPVNAP RS	T QV K N Y Q R D G P M T F S M N Q E G P N R V N S Y H R D G A M R V D G N Q G A T P G S P V N S Y Q R D G S M A F G A N G G A A P N S G T N N Y Q R D G F M R T D D N G G G S K N A P II H N N Q R D G F H R Q A II N R G R V S Y
UniRef90_UPI000415AF42 UniRef90_I4DMH7 UniRef90_Q0W6G9 UniRef90_UPI000363CFEE	R V G A N H E Q I P V N K P V R L G P N F H E I P I N A P I R L G A N F L Q I P V N C P F R M R L G P N F H E I P I N R P L N R P L N R L G P N F T H I P I N A P R C	S G T N N Y Q R D G F M R T D D N G G G S K N A P I H N N Q R D G F H R Q A I N R G R V S Y V S V S N Y Q R D G P Q A I Q N Q E G A P N A P Y H N N Q R D G Y H R M T I N K G K S A Y E V N N N Q R D G Q M R F D K N G G S S V Y
UniRef90_UPI00037A9124 UniRef90_F6Al31 UniRef90_K7SKB4 UniRef90_P17336	RLGPNFNEI PI NRPV	CPMANFQQDGHMAMRNPKGRANY CPFHNNNRDSFHRQTIINKGRASY CPFHNFQQDGHAAMHNPKGRIVIN
UniRef90_W2S118 UniRef90_F6F2H9 UniRef90_UPI0002378E38 UniRef90_UPI0004759BCF	RLGTNYVQLPINCPYRA RLSPNFTHIPINAPKG RLGVNHSOLPVNAP	VKIENFQRDGAMNVTDNQDGAPNARAHNTQRDGPASYDN <mark>C</mark> LGDAPN CPFHNFQQDGHMAMRNPKG RVN CPYHSYHRDGAMRVDGNAGSRIG CPVAHFQQDGHMAMTNPRGRVNY
UniRef90_Q1QDB0 UniRef90_A8CWF1 UniRef90_Q9I1W8	R L S P N F A Q I	CPFANNQQDGHMQMQVPKTRVLY VSPKTYQRDGPMCFTDNQGGAPN CPFHNNQRDAPHRQTLNRGRASY ADVQTYHRDGAMRTDGNHGAQVD
UniRef90_C5AP82 UniRef90_D2QLN8 UniRef90_UPI00047BA364 UniRef90_D8NYP9	RILIGPNEHEILIPILINRPILL	A PVH N G Q R D G H M R Q T I N V G R T S Y CPFH N H Q R D G M H R M E I S G A A N PFHN S FH R D G A M R T D G N L G S K L N V P V R N N Q R D G F M R Q T L D K L R T S Y
UniRef90_F0SCD5 UniRef90_E5Y7Y1 UniRef90_H8MMX5 UniRef90_UPI00040D302E	RLGVNHHLIPVNK SR RLGPNFAEIPINRPV RFNSNFTFIPINRPV	C
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UniRef90_C3IQR3 UniRef90_UPI0004003798 UniRef90_F8JXN3 UniRef90_A0DIN2	RLGVNHYQIPVNKP KI	<mark>C</mark>
UniRef90_G7UT56 UniRef90_X7F8D1 UniRef90_X6FKT1 UniRef90_Q1CZ54	RLGSPNFTHPVNAP RUSPNFTHUPI NAP KO	CPFANNQRDGHMQIQVPKGRVAY CPVHNFNQDGHMAMRNPKGRANY CPFHHFQQDGLMAMRNPVGRVNY
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UniRef90_F8EUW4 UniRef90_K9XD87 UniRef90_Q8PVL3 UniRef90_C3VI/40	R	C
UniRef90_Q7VK49 UniRef90_U4T8B3 UniRef90_I4X684 UniRef90_I7ZJC9_	R L N	CPVAHYHKDGLLRFFDNNPPDAY VPVNNTHRDGFMQQ GQFGDRRN TRVDNYQRGGAMAGTRCPYSTVN CPFHNNQRDGFGRQSINKGRVSY CPYANFQRDGMMQTAVPKGRANY
UniRef90_U5VZN7 UniRef90_E3BCN5 UniRef90_S9T5G8 UniRef90_R4T003	RILIGPNEAQILIPILINRPH	A P V N D N L R D G M H Q A V V H R G I A P Y C P V A H F Q R D G H M Q F A H Q R G R A N Y A Q V R N H Q R D G A M N V N Q D P S P I N A P V H T N Q R D G Y G Q Q N V H K G R T S Y

QUERY	410 YYPNSFSAPEHQPSALEHRTHFSGDVQRFNSANDDNVTQV
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UniRef90_L7M329 UniRef90_J9HGP0 UniRef90_UPI00046252BF	Y F P N S F S G P L D N P K W K E P K F E L S G D V D R W N S A D E D N F S Q P Y Y P N S F G G P E P C P F A Q N S K H S V S G D I D R F E S G D E E N F A Q A Y Y P N S F S G P V D H P N L K N S H V Y I S G D V Q R F N S A N E D N V S Q V
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UniRef90_W3AHJ1 UniRef90_S4REW1 UniRef90_G7Q8R8 UniRef90_E0VNL6	Y E P N S Y G G P V E E A A S K P A P L A V E G F T D S V P Y R E E D F Y T Q P Y P N S F S A P E Q Q P H L R E H K F A V S A D V Q R Y N S A D D D N Y S Q V Y W P N S F G G P A P E P E A L E P H L P L E G E A G R F A S T H P D D F S Q P Y F P N S F N G P M D D K K Q V Q H V F K A T G D V A R Y N S S N E D N F S Q A
UniRef90_J9IIR7 UniRef90_UPI0003A87E3C UniRef90_W7CKT1	Y E P N S F G G P V E D P S S R WA P H A L T G T T G R Y K H S H P D D Y E Q P
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UniRef90_UPI00047B391B UniRef90_I4MXB3 UniRef90_UPI0003B34154 UniRef90_UPI000415AF42	Y Y P N S F S G P N D D G R K Y L E S K F K V G S N D R F N S A D E D N F T Q C L E P N S Y G R W Q E Q P S Y R E P A Q G I G S T A D R F N Y R E D D Y F E Q P Y E P N S Y D A P K Q A P Q Y A E P P L A L N G A A D R Y D H R T D G D Y F S Q Y E P N S Y G G P T E D A A A E I S P F D V E G K V A S T P Y P D D D H Y T Q A E P N S L A G G C P F Q A F V A F P E P V E G N E V R G K P E K F E H F N Q A Y F P N S F S G P Q E C P R A Q Q P R Y N L T G D V D R Y D S G Q E D N F S Q A
UniRef90_I4DMH7 UniRef90_Q0W6G9 UniRef90_UPI000363CFEE	YFPNSFSGPQECPRAQQPRYNLTGDVDRYDSGQEDNFSQA FPNTVGNGDPRPASREEHGYVHYKLRARSDSFKDFFSQA YEPNSLGGATESPADNVTPFEVSGEAGTHAYSHDDHYTQA
UniRef90_UPI00037A9124 UniRef90_F6Al31 UniRef90_K7SKB4	F PNTVGNGDPRPASREEHGYVHYKLRARSDSFKDFFSQA YEPNSLGGATESPADNVTPFEVSGEAGTHAYSHDDHYTQA EPNSWGGAMGGPGFRSFPEELSGQKLRIRGELFDHYSQA EPNSIDGGWPKGGYVSYPEEVSGPKLRKRAESFDHFSQA YEPNSWGPRENPKTGYRHFPDDNGRTTRERGELFDHYSQA YFPNSFNGPQECPRARSSCCPVTGDVYRYSSDTEDNFGQV
UniRef90_P17336 UniRef90_W2SI18 UniRef90_F6F2H9	VENSENA OF WAR OF WAR OF WAR OF WAR OF STATE OF WAR OF STATE OF ST
UniRef90_UPI0002378E38 UniRef90_UPI0004759BCF UniRef90_Q1QDB0 UniRef90_A8CWF1	YEPNSWAAGENNPGYRHFGEEVNGRKAQVRSETFDHYSQA YEPNMHGEWSEQPDFSEPPLSLEGAADHWNHREDDDYFSQ EPNSTIGGPREDPGFTSFAATEDGAKLRIRPESFDHYSQA EPQSLDPTRPRESVRKGFASFAETLDDRAESFADHYSQP YPNSFAGPDTCPRALNPPYKICGDVARFDSETEDNYAQV FPNSIDGGWPNGGFSTYHEPVSGSKLRKRADSEDHFSOA
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UniRef90_UPI00047BA364 UniRef90_D8NYP9 UniRef90_F0SCD5	Y E P N S L N N N W P R E T A P Y P Q A P D G E K L R Q R S E S F A D Y Y S Q P Y E P N R E G A F A Q D R R G E E P P L K L E S A A A R H D H R V D T D Y Y S Q N P N S L G E P E K D G G F T S Y A E R L D A R K V R R S K S F Q D H F S Q A
UniRef90_E5Y7Y1 UniRef90_H8MMX5 UniRef90_UPI00040D302E	Y E P N S N G A WK D Q P D F S E P P L K L S G D A D H WK Y P C D D D Y Y E Q F P N S L G G C Q Q G G Y V H Y A F K V F G H K L R A R S F S F D H Y T Q A
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UniRef90_S2JRL0 UniRef90_C3IQR3 UniRef90_UPI0004003798	YEPNSYGEWSAQPDFSEPPLKVDGAAARWDHRVDDDYFSQ YGPNSVNGPVQNNGSTFAAEEIEGMIGRFSYDVTDDDFAQ HNNSPYTVPGTKGGFVTYPSTVSGHKTRETAASFDHFSQA YEPNSYGQWQEQKEFAEPAMELEGAAFHYDHREDEDYFTQ
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UniRef90_X7F8D1 UniRef90_X6FKT1 UniRef90_Q1CZ54 UniRef90_UPI00040E7B0A	EPNSWGPRETGEGFASTPVPLAGRKERARADTFDHYSQAQPNSFGGPRESPQHGFRSFAEAEECQKVRLRAEDHYSQAHPNSLGGGCPVSAFRHTQERVEGHKLRARSGSFDHFSQAYEPNSFGGPRQAPEFREPPLKISGDADRYDHRAGNDDYSQYHPNSFSGPKVDPNVYPPYTLTGDVNRYDEPMKDEDFEQP
UniRef90_W4T962 UniRef90_M4WRV9	Y H P N S F S G P K V D P N V Y P P Y T I T G D V N R Y D E P M K D E D F E Q P E P N S T G G G P F Q A F V S Q Q E R V S G V K I R E R S R S F D H Y S Q A Y E P N S F N Q W Q E Q P D Y S E P P L T L E G T A D H W N H R V D D D Y Y S Q E P N S S Q G G P R P D P G F K T H P E D M S G A K R R L R P E S F D H Y S Q A
UniRef90_I1AWF4 UniRef90_D2BF90 UniRef90_B0T3B3	EPNSLIGGGPEGAYIHYQERVIDGNKI RKRSESFDHYSQA EPNSLIGGPRE <mark>C</mark> PM <u>P</u> SAE <u>VA</u> N <u>E</u> QGDKLRIRPESFADH <u>Y</u> SQ
UniRef90_A6Q7E0 UniRef90_UPI00036B0333 UniRef90_G0J593	Y E P S H Y T V P T E S P E L S E P P L K I N G D A D R Y A Y D S D E N F V Q A Y E P N S F N G A A E D P R F R E P P L A I S G D A E R Y N H R E G N D D F S Q Y W P N S F D E V E V D K T Y Q E P S E Q L E E N A D W Y D R N N D H Y S Q P
UniRef90_G4SX84 UniRef90_F8EUW4 UniRef90_K9XD87 UniRef90_Q8PVL3	Y E P N S F N G A A E D P R F R E P P L A I S G D A E R Y N H R E G N D D F S Q Y W P N S F D E V E V D K T Y Q E P S E Q L E E N A D W Y D R N N D H Y S Q P E P N T L D S P R E H S E A G F Y S A A L A E S G V K G R I R A E D H Y S Q A Y E P N S D P A P I E N P A Y K E P I I D I D G H Y D R Y E D P G N E N F E Q P Y E P N S Y D N T P K Q N C A Y A E P A L D L G N D R Y D R R Q G N D D Y T Q A F P N T V G D G K P R P A Y V H Y M E K V E G K I R S R S E K F K D F F S Q
UniRef90_K9HM57 UniRef90_Q7VK49 UniRef90_U4T8B3	Y E P N S F G G P A E D P K Y L E P P L K I S G D A K K Y V Q H E L E D D F S Q Y E P S Y F N D Y V E D K N A L E P P L F V Q E M Y K Y D H R E Y E D D Y F V Q Y G P N T K N G P A E N P K L K A P A L K I S G D A D Y Y D H R H G A D D Y S Q
UniRef90_I4X684 UniRef90_I7ZJC9 UniRef90_U5VZN7	EPNSLGGPRECPTTYAEPLADEPKQRIRPESFADHYSQA EPNSLGGPRECGGYVVVPRLVEGPKVRNPVSFDDHFSQA
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QUERY UniRef90_R7U0D1	450 460 470 480 R T F Y L K V L N E E Q R K R L C E N L A G H L K D A Q L F L Q K K A V K N F S G I F W R E T L T E E D R K H L I L N M S G H L K N A Q E F L Q K R A V A N F S
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UniRef90_UPI00046252BF UniRef90_F6DQ92 UniRef90_UPI00040AFC23 UniRef90_E3HUA7	QDFYTKVLTEEERKRLCENIAGHLKDAQLFIQKRAVKNFTGELYRRVMSDQDRANLVSNICDSLGQAQQRIQLRQTALFYAGALFRLMDDGARTRLMDNIAASMRPVPEAIQRRQIAHFAPGALFRLMTPAQQELLFGNIGRHMAGVPEEIQRRQLEHFR
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UniRef90_K2HK23 UniRef90_A9B4C7 UniRef90_T1F193 UniRef90_H2EZP3	GDLYR LLSEDEKQRL VDNI VGGLSTVREEI KIRQTKQFY AGDLFRLMSKEQKKQLFSNI AAAMGGVPENI CRRQI EHFT PGNLFRLMNADQQQQLFNNI AAAMQGVPEFI QLRQI GHFL TTFWEKELKADERERL VENI ANHLKNAKEFI RRRAVYNFA GNLYRNVMTPEQRTRL VNNI VGHLKNARKDI QLKMVEIFS GMFFRSMSRPEQEHI I AAL LFELGKVERKE VRARV VEQLA
UniRef90_S9PJ95 UniRef90_H2B639 UniRef90_UPI00047B391B	GMFFRSMSRPEQEHLIAALLFELGKVERKEVRARVVEQLA GVFFRNVLNKEERERLVDNLASHIVNAQDFLQERAIKQFG GLFREKMTAEQQQVLFENTARALDGASEATVERHIANCT
UniRef90_I4MXB3 UniRef90_UPI0003B34154 UniRef90_UPI000415AF42 UniRef90_I4DMH7	GWFFRNVLNKEERERL VDNI ASHI VNAQDFL QERAI KQFGGI LFREKMTAEQQQV LFENTARALDGASEATIVERHI ANCTAGALFRLMNEAQKALLI DNI ANAMSSVSGDVI ERQLPYFYGDLYR MMSEDEKQRL VDAFVGHMKPVRDEI I KRQLDI FYRLFFDSQTPIEQAHLI AAFRFELSKVTVPAVRERV VSMLATALYKQVDAFVGNLKDAAGFLQERAVKMLT
UniRef90_Q0W6G9 UniRef90_UPI000363CFEE UniRef90_UPI00037A9124	TLEWNSMTEPEKEHLVKAFHFEVGKVKSLEIRQRIADMFA GDLYR LMSEEERARLVATIAGAMAVESDEIKLRQISHFY RQFFLSQSETEQTHIKDAFVFELSKVETPAIRERLVAHLL
UniRef90_F6Al31 UniRef90_K7SKB4 UniRef90_P17336 UniRef90_W2SI18	R L
UniRef90_F6F2H9 UniRef90_UPI0002378E38 UniRef90_UPI0004759BCF	RAFWRKVLSEEERSRVVENIFNSMKDCKPYIQDRAIQNEG RQFFISQTPIEQKHIGDALVFELSKCERIDIRERIVGHLR PGDLFRLMTPEQQKVLFANTARAIGAARKEIQIRHISNCL RLFYISQLPIEQKHIADALVFELSKVERPDIRARMVSHLL
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UniRef90_A1BAY0 UniRef90_V4RAM5 UniRef90_W8RNU0 UniRef90_A0A023H6A5	RLF WRS QTENEQAHIAS AFVFELS KVGLDHVRS RVVSHLR PGDLF RLMS E E QKAQLF RNLAGAMQGVPEEIIR RQLAHFY TLF WNS MS APEKEHIIGAYS FELIGKVERVFIRER QVEILA
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UniRef90_I0 UniRef90_D		TFTVTKD YFE <u>P</u> YES	_T	AKIFS AAFLQ	K	E <mark>C</mark> FFR PVFVR	FSTV FSTV	A G E R G S A Q G P R G S S
UniRef90_C UniRef90_U	J4LC02	T F T V T N D I	S K Y T K S D L T S	AKLFS AAMFS	K V G K K T Q V G K K T	EMFAR K <u>A</u> LAR	FSLV FSTV	A G E R G F A G G E K G S P
	2SJ21 JPI000347C19C	E F E V T D D I	S DILT T S K Y T K	I D M L K	GVGKKT K GKKT	K L L T R P L <u>L L R</u>	FSTV FSTV	QGPRGSA QGERGFA GGEKGSP GGEKGSA AGELGSA
UniRef90_J2 UniRef90_R	2H6Y0 R2T3H4	T F T V T G D L E F E L T N D L	/JSRYTR /JSMYTK	AKFLG	G P G K Q T G V G K K T	E L F A R R V A I R	FSQV	A G E R G A A A G E S G Y I
UniRef90_W UniRef90_H UniRef90_B	V9BR69 18KQ10	H F E L Y K S I	JP E WIK MKQYTK JT KVTK	AAFLN	DTSKKT	PVFVR	FSTV	A G S R G S T
UniRef90_D	06U1X1 JP10004101A64	YFEVTAD	/ S Q W S K	AAFLN	GVGKRT	PLVVR	FSTV	A G E L G S A
UniRef90_A UniRef90 W	9BLW0 V1SRN8	T F T V T G D	TRYTR	AKVFS	DIGKOT	EVFAR	FSTV	A G E R G A A
UniRef90_G	31Y091 JPI00034D909B	FQVYEPI	TDLTT	AAPFQ	D P A K E T	PVFVR	FSTV	A G S R G S A G S R G S M
UniRef90_K UniRef90_P	(3X6X9 255306	Y F E V T H D I E F E C T D D I	T K Y C K T K Y T K	AKLFD HTMFS	QVGKRT KVGKKT	PIGIR PMVAR	FSTV FSTV	G G E S G S A G G E R G T P
	3Y0R4 JPI0004753F12	TLTITHDI	SRYTK SKYT <mark>C</mark>	A K V L Q A K F L N	K GVET KVGKKT	E L F L R P L F I R	FSTV FSTV	A G E R G A A G G E K G S A
UniRef90_I2 UniRef90_S	2N5G6 SONXC6	F E V T N D	/ SQFTK //SK <u>Y</u> TK	A D L F Q	PGKRT EVGKET	E MIL A R	FSTV	A G E Q G S P A G E L G S A
UniRef90_IC	JP100036B8F83 JV87	WFRSYGT/ HFQPYSDV	A A NILIT K VA D Y T V	AAFLA	D P E V R T	PVFVR	FSTVF	_GSRGSA
UniRef90_P UniRef90_K	30265 (7Z8Q6 IDIO002064442	TETVIGDI	SKYTR	AAVES	VGAKT		FSTV	A G E A G Y P A G E R G A A
UniRef90_U UniRef90_A UniRef90_E	JP10003061142 \0AMY5 :5XTU8	YFECTHDI	SKFCA	ASIFD	KVRKRT	AVAMR	FSVAC	C G E Q G S A
	JP100047D287C (9DAS9	YFEVTKP	GQYTR	ADFLQ	EAGLRT	PVFVR	FSTV	A G E R G S A
UniRef90_E UniRef90 Q	1VVN7 QOSJL1	SFISYGN, TFRVTHD	S E L C R	ADFL	K P G K Q T E I G K R T	RVFVR	FSTV	ZGSRGSM AGERGAA
UniRef90_H UniRef90_J	11ZBT5 9Y6W2	T F T V T N D T F T V T H D	TPYTK TDYTC	AKLFS ADLFS	E V G K Q T E V G K Q T	KVFLR EVLSR	FSTV WSTV	G E K G S A A G E S G A A
UniRef90_U UniRef90_D	JPI00047B95E5 05BZL5	TLTITSD YFQVTQD	/VRYTN /SAYTK	AKLFD	ALGKKT PATKT	DLLVR EVLAR	FSTV FSTV	A G E Q G A A A G E S G S P
UniRef90_D UniRef90_U	06X4D0 JPI000478DD2E	Y F E V T H D I E L R I T E D	T Q Y T A S K Y T K	AKVFA AKVLQ	H	P I A V R P L F L R	FSQV FSTV	A G E M G Y P A G E A G A A
	V9AJ40 JPI0004646437	LETELEGRA GOOD TO THE TELEGRA GOOD TO THE TELE	MSKYTR MADFTV	A K F L Q	NTSIKT RPEVRT	PVFVR VFVR	FSTV FSTV	N G S R G S A A G S R G S A
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JAMESSON JUNGOSSISSON JACATS DIP R D V R G F A V K E Y T D E G N W D L V G N N II D V F F I D D A M K F P D D M R G F A V K E Y T D E G N W D L V G N N II D V F F I D D A M K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A M K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A M K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G N N II D V F F I D D A I K F P D D M R G F A V K F Y T E E G N W D L V G		400 440 450 400
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JURRESO, 150MJ JURSESO, 150MJ		DTPRDVRGFAIKFYTEEGNFDLVGNNMPVFFIIQDGLKFPD
Janesey (1904) Janesey (1904)	UniRef90_H2K234	DAVRDPRGFALKFYTEEGNYDL VGNNTPVFFI RDAIKFPD
JURRESO, 150MJ JURSESO, 150MJ	UniRef90_I3TH56	DAERDVRGFAVKFYTDEGNWDLVGNNTPIJFFIJRDPLKFPD
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JAMESSO JESUSSO JESUSSO JESUS	UniRef90_Q8EN31	ETLR DVR GFATKFYTNEGNFDL VGNNLPI FFI QDGLKFPD
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Jankergo UP10003100483 D LL AR D V IR G F A T K F Y T T E E G N W D L V G N N M P V F F I Q D A L K F P D JANKERGO GZEGDO DA ER D IV R G F A T K F Y T T E E G N W D L V G N N M P V F F I Q D A L K F P D JANKERGO GZEGDO DA ER D IV R G F A T K F Y T T E E G N W D L V G N N T P V F F F R D P M K F P D D JANKERGO GZEGDO DA ER D IV R G F A T K F Y T T E E G N W D L V G N N T P V F F F R D P M K F P D D JANKERGO GZEGDO DA ER D IV R G F A T K F Y T T E E G N W D L V G N N T P V F F F R D P M K F P D D JANKERGO M W M M M M M M M M M M M M M M M M M	UniRef90_C6WK51	
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Julikesido Cestida Dirikesido Cestida Dirik	UniRef90_G0PMJ5	DTLRDPRGFALKFYTEEGNWDLVCNNTPIFFIRDAI HFPN
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JAINENGO_CZFTL4 JAINENGO_CZFTL4 JNIRENGO_CZFTL4 JNIREN	UniRef90_13YZZ5 UniRef90_D8K9C6	DTWRDPRGFSVKFYTI DGNYDMVGNNTPI FFI RDPMKFQH
JAINENGO_CZFTL4 JAINENGO_CZFTL4 JNIRENGO_CZFTL4 JNIREN	UniRef90_G8M439	DAERDVRGFSLKFYTEEGNWDVVGNNTPVFFIRDPLKFPD
JAINENGO_CZFTL4 JAINENGO_CZFTL4 JNIRENGO_CZFTL4 JNIREN		DTIVIR DAR GFATKFYTEEGNYDIL VIGNNII PIVIFFII QDAII KFPD
JAINCE190_IOLER29 D A V R D P R G F A W K F Y T E E G N W D L V G N N T P I F F I R D A I K F P D JAINCE190_IOLER29 D A V R D P R G F A W K F Y T E E G N W D L V G N N T P I F F I R D A I K F P D D JAINCE190_IOLER29 D A D D R G F A T K F Y T E E G N W D L V G N N T P I F F I R D P M K F I D D JAINCE190_IOLER29 D A D D R G F A T K F Y T E E G N W D L V G N N T P I F F I R D P M K F I D D JAINCE190_IOLER29 D A A D D R G F A T K F Y T E E G N W D L V G N N T P I F F I R D P M K F I D D JAINCE190_IOLER29 D A A R D P R G F A V K F Y T E E G N W D L V G N N T P I F F I R D P A K F P I D JAINCE190_IOLER29 D A A R D P R G F A V K F Y T E E G N W D L V G N N T P I F F I R D P A K F P I D JAINCE190_IOLER29 D A A R D P R G F A V K F Y T E E G N W D L V G N N T P I F F I R D P A K F P I D I JAINCE190_IOLER29 D A A R D P R G F A V K F Y T E E G N W D L V G N N T P I F F I R D P A K F P I D I JAINCE190_IOLER29 D A A R D P R G F A V K F Y T E E G N W D L V G N N T P I F F I R D P A K F P I D I JAINCE190_IOLER29 D A A R D P R G F A V K F Y T E E G N W D L V G N N T P I F F I R D P A K F P I D I JAINCE190_IOLER29 D A A R D P R G F A V K F Y T E E G N W D L V G N N T P I F F I R D P A K F P I D I JAINCE190_IOLER29 D A A R D P R G F A V K F Y T E E G N W D L V G N N T P I F F I R D P A K F P I D I JAINCE190_IOLER29 D A A R D P R G F A V K F Y T E E G N W D L V G N N T P I F F I R D P A K F P I D I JAINCE190_IOLER29 D A R D V R G F A V K F Y T E E G N W D L V G N N M P V F F I R D P A K F P I D I JAINCE190_IOLER29 D A R D V R G F A V K F Y T E E G N W D L V G N N T P V F F I R D P A K F P I D I JAINCE190_IOLER29 D A R D V R G F A V K F Y T E E G N W D L V G N N M P V F F I R D P A K F P I D I JAINCE190_IOLER29 D A R D V R G F A V K F Y T E E G N W D L V G N N M P V F F I R D P A K F P I D I JAINCE190_IOLER29 D A R D V R G F A V K F Y T T E E G N W D L V G N N T P V F F I R D P A K F P I D I JAINCE190_IOLER29 D A R D V R G F A V K F Y T T E G G N W D L V G N N T P V F F I R D P A K F P D D I JAINCE190_IOLER29 D	UniRef90_UPI0004283473	DLARDVR G FALK F Y T Q E GLF DMV G N NLPV F F L Q D A MK F P D
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JANKE99_C/HUSS	UniRef90_A0A011Q7R6	DTVRDPRGFAVKFYTDEGNYDI VGNNTPI FFI RDAI KFPD
JANKE99_C/HUSS	UniRef90_I0ER29 UniRef90_D7C2L8	DTVRDVRGFATKFYTSEGNYDLVGNNMPVFFI QDGI KFPD
Jinker90	UniRef90_C7HUS5	DADROLRGFALKFYTEEGNWDLVGNNTPVFFFRDPMKFID
Jinker90	UniRef90_04LC02	D S A R D P R G F A I K F Y T E E G N L D WV F N N T P I F F L R D P A K F P I
DINKEF90	UniRef90_UPI000347C19C	
DINKEF90	UniRef90_J2H6Y0 UniRef90_R2T3H4	DTYRDVRGFAVKFYTEEGNYDI VGNNTPVFFVNDALKFPD
DINKEF90	UniRef90_W9BR69	DTPRDVRGFAVKLYTEQGNWDLVGNNIPVFFIQDAMKFPD
DINKEF90	UniRef90_B6K7V1	DTARDPRGFALKFYTEEGIFDMVCNNTPVFFIRDPAKFPV
DINKEF90	UniRef90_D6U1X1	DTVRDPRGFALKFYTEEGNYDLVGNNTPIFFIRDTIKFPD
DINKEF90	UniRef90_A9BLW0	DAERDI RGFAVKLYTEEGNWDL VGNNTPVFFERDPLKFPD
DIRECTION DEPTH DIVIDING TO A WILL THE CAN VEHICLE VITE ON A DEPTH	UniRef90_W1SRN8	DTIVIR DIVIR GEATIKEYT DEGNEDIL VIGNINMPIVIE EU ODAVIKE PD
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DIRECTION DEPTH DIVIDING TO A WILL THE CAN VEHICLE VITE ON A DEPTH	UniRef90_K3X6X9 UniRef90_P55306	DTVRDPRGFAVKFYTEEGNWDLVGNNTPVFFVRDPLFPS
DIRECTION DEPTH DIVIDING TO A WILL THE CAN VEHICLE VITE ON A DEPTH	UniRef90_I3Y0R4	DAERDVRGFAIKEYTDEGNWDLVGNNTPVFFIRDPQKFPD
DIRECTION DEPTH DIVIDING TO A WILL THE CAN VEHICLE VITE ON A DEPTH	UniRef90_UPI0004753F12	DSARDPRGFAII KILLYTEDGNYDIL VIGNNTPII FFII RDALLKFPD
DIRECTION DEPTH DIVIDING TO A WILL THE CAN VEHICLE VITE ON A DEPTH	UniRef90_S0NXC6	DIVRDPRGFALKFYTEDGNYDIVGNNTPVFFVRDPLKFPD
DIRECTION DEPTH DIVIDING TO A WILL THE CAN VEHICLE VITE ON A DEPTH	UniRef90_UPI00036B8F83	DTIVIR DT R G F A T K F Y T T E GIVY DIL VIG N NIL PIVIF FI I Q D GI I K F P D
DIRECTION DEPTH DIVIDING TO A WILL THE CAN VEHICLE VITE ON WE DESCRIBED	UniRef90_P30265	DTYRDVRGFAVKFYTEEGNYDI VGNNTPVFFVNDPLKFPD
DIRECTION DEPTH DIVIDING TO A WILL THE CAN VEHICLE VITE ON WE DESCRIBED	UniRef90_K7Z8Q6 UniRef90_UPI0003061142	DAERDVRGFALKFYTEEGNFDLVGNNTPVFFVRDPYKFPD
DIRECTION DEPTH DIVIDING TO A WILL THE CAN VEHICLE VITE ON WE DESCRIBED	UniRef90_A0AMY5	DIVREQREAVKFYIDDGLWDLVGCNMPVHYVRDPMLFPS
DIRECTION DEPTH DIVIDING TO A WILL THE CAN VEHICLE VITE ON WE DESCRIBED	UniRef90_E5XTU8	DTWRDPRGFAVKFYTEEGNYDLVGNNTPIFFIRDTIKFPD
DIRECTION DEPTH DIVIDING TO A WILL THE CAN VEHICLE VITE ON WE DESCRIBED	UniRef90_K9DAS9	DIERDPRGFALRFYTEEGNWDL VGNNTPVFFIKDPINFPD
DIRECTION DEPTH DIVIDING TO A WILL THE CAN VEHICLE VITE ON WE DESCRIBED	UniRef90_E1VVN7 UniRef90_O0S.II 1	DTARDTRGFATKFYTEEGIIFDLVGNNIIPEFFIIQDGIIKFPD
DIRECTION DEPTH DIVIDING TO A WILL THE CAN VEHICLE VITE ON WE DESCRIBED	UniRef90_H1ZBT5	D S E R D P R G F A L R F Y T E D G N W D L V G N N T P V F F T K D A K K F S D
DIRECTION DEPTH DIVIDING TO A WILL THE CAN VEHICLE VITE ON WE DESCRIBED	UniRef90_J9Y6W2	DTERDVRGFSLKFYTQQGNWDMVGNNTPI FFI RDGYKFPD
JniRef90_D6X4D0 D T VR D I R G F A V K F Y T E D G I WD L V G N N T P L F F V R D C A L F P S JniRef90_UP1000478DD2E D A E R D V R G F A L K F Y T K E G N WD L V G N N T P T F F I R D P Y K F P D JniRef90_W9AJ40 D T V R D A R G F A T K F F T E E G N Y D L V A N N P V F F I Q D A I K F P D JniRef90_UP10004646437 D T V R D V R G F A T K F Y T A Q G N Y D L V G N N F P V F F I Q D G L K F P D JniRef90_S3XXH9 D A E R D V R G F A L K F Y T K E G N WD L V G N N T P F F F I R D P I K F P D JniRef90_J9IZ85 D T D R D P R G F A L K F Y T E D G I Y D M V G N N T P F F F I R D P I K F P D	UniRef90_D5BZL5	DT W D D V B C E A W K E C L V D M V C N N T D V E E V B D B M V E C L
JniRef90_W9AJ40 DTVRDARGFATKFTTEEGNYDLVANNIPVFFIIQDAIKFPD DTVRDARGFATKFYTAQGNYDLVANNIPVFFIIQDAIKFPD DTVRDVRGFATKFYTAQGNYDLVGNNFPVFFIVQDGIKFPD DAERDVRGFALKFYTKEGNWDLVGNNFPVFFIVRDAYKFPD JniRef90_S3XXH9 DTDRDPRGFAIKFYTEQGIIYDMVGNNTPFFFIIRDPIKFPD	UniRef90_D6X4D0	DTVRDIRGFAVKFYTEDGIWDLVGNNTPLFFVRDCALFPS
JniRef90_UPI0004646437 DTVRDVRGFATKFYTAQGNYDLVGNNFPVFFIQDGLKFPD JniRef90_S3XXH9 DAERDVRGFALKFYTKEGNWDLVGNNTPVFFVRDAYKFPD JniRef90_J9IZ85 DTDRDPRGFAILKFYTEQGITYDMVGNNTPFFFILRDPILKFPD	UniRef90_W9AJ40	DTVRDARGFATKFFTEEGNYDL VANN PVFFI QDAIKFPD
JniRef90 J9IZ85 DTDRDPRGFAILKFYTEQGITYDMIVIGNNTPFFFILRDPILKFPD	UniRef90_UPI0004646437	D T V R D V R G F A T K F Y T A Q G N Y D L V G N N F P V F F I Q D G L K F P D
<u>.</u>	UniRef90_S3XXH9 UniRef90_J9IZ85	DTDRDPRGFAI KFYTEQGLYDMVGNNTPFFFII RDPI KFPD

UniRef90_		티병	SQKR	170 P	GY	K N P [RMM	80 / D Y W A	A G S P	190 E A F	OTTLIF	200 G D R
	_UPI000346B90F	L I H E V H	SAKRO	3 F P (QAQT NEI	QHE	N F W	/D F 1 8 1 1 1 1 1 1 1 1	S L S P S L Q P	ETT	MVMWIMS MMMWLMS MIMWLLS	S D R S D R
	_W4QCZ0 _UPI00031A2C75	V V H	A V K R	E P H N G Y P (NELLI QAGS	P Q H E S A H E) T F W) T F W	/ D F <u> V N</u> / D W <u>A S</u>	S N T	ETAF	M M W <u>L L S</u> M <u>L M W A M S</u>	S D R S D R
	UPI000262689F UPI000395C252	LIH	A V K P I	E P D T G F P (GYF	QHE	T F W	/DFI	N N Q	ESA F	MLMWAMS MMMWLMS MIMWAMS	S D R S D R
UniRef90_ UniRef90	H2K234	FIH	TQKR	PYT	GSI	ГЕАГ	NVW	DF WS	LSP	EST	Q V I <u>W</u> L F (G D R S D R
UniRef90_	_J2EX86	II IN H	AIVIK RI	אפו	NMF	2 S A F	5 N N W	/D = WT	- II I I I I I I I I I I I I I	F A II I	OIVIT IL VIM 9	SDR
	_UPI0002881FA1	E V H	AVKP	PHI	N E [QHL	TEW	/DFAS	NNQ	ESA	ML MWA MS MV MWH MS MTLWQMS	S D R
UniRef90_ UniRef90_		L V H F L H	SVKR TQKR AVKR	4 F P C 1 P Q T	Q A Q S T N L F	S A H D R D A N) N F W N A Q W	/DFWS /DFWS	S F T P S L <u>N P</u>	E A I I	MTLWQMS QVTILFS	S D R S D R
UniRef90_ UniRef90_		IL IN H	AIVIKRI	PKI	NMH	35A	N N N C	/b F w i	MII IP	E AIL I	QIVII II VIMS	S D R S D R
UniRef90_ UniRef90	_Q8EN31	LIH	ALKP	PPC	Q G Q T	T A H E	TFW	/DF U	SNE	ESAA	M M M W I M S Q V T W L M G M I M W H M S	SDR
UniRef90_	UPI00036DB826	LVH	SFKP	PHN	NEL	QHE	TFW	DEV	/ N N Q	ETA	MIMWHMS	SDR
UniRef90_	_UPI00031BFDF1 _W5QM85	L N H	AVKP	PHI	N E I	QHE	DINN	DFWT	LMP	ESM	QVTIVMS MIMWVMS	SDR
UniRef90_ UniRef90_		L N R	AVKPI AVKRI	= P H N D P R T	NELLI	RNPE) I F W E N N W	/ D F <u>V </u> S / G F <u>W</u> T	L Q P R L P	E S A F E A L L	A V I WA M S Q I T <u>I T</u> M S	S D R S D R
UniRef90_	UPI0003100AB3 UPI00047DC8DD	MV H	AFKR SIKP	G F P C E P H N	Q A A I	TAHE PQHF	N A W	/DFIS	SLTP SNP	E S M N E T A F	Q T T M S M V M W V Y S M M W L L S	S D R S D R
UniRef90_ UniRef90	_G2EGD0	LNR	AVKR ALKR)	NL	RSAN	NNNW	DFWT DFWS DYWS	LLP	E S L	QVTITMS	S D R S D R
UniRef90_	_V4PHY6	- H II I <mark>H</mark>	TQKR	PKT	HL	RSAI	AMW	/DYWS	L L P	└ ∧ ।	())	SDR
UniRef90_ UniRef90_	M2U368	VIH LIH	A G K P	GFPG	QAQI	T A H E	NFW	/DF V	LSP	ESM	MVMWIMS	S D R S D R
UniRef90_ UniRef90_	_A1WB07 _UPI00036DECBE		AVKRA AAKP	4 F P C E P D F	QAAS REIIF	OHL)	DF L S	S L M P	ESMF	MIV M WI M S	SDR SDR
UniRef90_ UniRef90			AIVINIVI	- A 1) r	\ (¬ Y	- (J 🗖 I) I F V\	/ D F A 3	S II IIVI P		I IVIII IIVI VV A IVI 3	S D R S D R
UniRef90_ UniRef90	K9UIE6	∥∟⊥⊩	A V K P	PDN	N E M	QHF	SFW	D F DS	LVP	E S M	MI MWL L; QVTITM; IMFTYLY	SDR
UniRef90_	_UPI000426D98E	MVH	AFKP		NR		RVF	DFFS	NVP	E A E	METYLY	
	_UPI0003730308	F I H	SLKP	D P Q S	S H L H S N <u>R</u> (R N M S Q E P S	SAAW SRYW	/ D F W S / D F <u>M</u> T	RTP	EST	MMTWLFS	SDR SDH
UniRef90_ UniRef90_		L V H F I R	SVKP SQKR	E P N K R A D S	KEII F GLF	P Q H [R D H [OTFY OMQW	DFWS DFWS	S L T P S L S P	E T L F	NQIWVMS	S D R G D R
UniRef90_ UniRef90	_G8M439	F I H M V H	TQKRI	PYT	NLF	$\begin{bmatrix} N & S & N \end{bmatrix}$	A A W	/DFWS	RHP	ESL	QVAWLMS QVTILMS MLTWLFS	SDR
UniRef90_	_W7YL46	L V H	SEKPI	PHN	N E M	QHE	TNW	/D F M A /D F [] S /D F W S	NNT	ESAF	MVMWTMS	SDK
UniRef90_		FIH	A V K P	PYT	NC	SPI	MMW	D F WS	L N P	ESL	MI MWAMS QVTLLMS	SDR
	_UPI000475DCC1 _A0A011Q7R6	F I H	SVKPI TQKR	= P D S P Q T	SEF	OP N) N F W	/DFWS	L T P	EATH	M L M W	S D R S D R
UniRef90_ UniRef90		F I H	TQKRI	OPQT EPQN	NL	P N A T	7 M V W 7 T L W	/DFWS /DFVS	S N V P	E S L H	I Q V T W L M C	G D R S D R
UniRef90_ UniRef90	_C7HUS5	LNR	VVKR	PKN	NMF	R S P N	NSN W	/DFWS	SIP	ESLL	M M M W L M S Q V T T M S Q V M H L F S	SDR
UniRef90_	F2SJ21	FII IH	TOKRI	$I \cap O I$	NIII	(D P [) M F W	/ D Y II IS	S T H O	FSAF	OILIM HILIE S	SDR
UniRef90_		LNK	AVKR	PRT	NME	RSAT	NNW	DF WI		EAL	Q V S F L M -	GDR
UniRef90_ UniRef90_	_W9BR69	FII H	SQKR SVKR AAKG TQKR	G Y P C	H L H S <u>A</u> A C	3 A H E	TFW	/ D F W F / D F V S	A H S P	E S M F	Q V T <u>I L M /</u> M I M W A M S	SDR
UniRef90_ UniRef90		L H	A A K G I	E	NEII F NL P	P Q H [K D A 1) T F W T A F W	/ D F 1 S / D Y L S	S L M P	E S M F	MI MWAMS	SDR SDR
UniRef90_		FVH	AVKP	/_P K I = P P (O A C	3 A H [A Q W	/DFW1		FTMF	M M M W I M S	T D R S D R
UniRef90_		LNK	AVKR	PYT	NÊ	RSPE	N N W	/D F W	GLP	E A L	QITIVMS MILWLMS MLMWVMS	SDR
UniRef90_	_G1Y091	L V H	AVKP	PHN	Į Į	ÄHÜ	OTFW	DEV	S L T P	ESA	MLMWVM	SDR
UniRef90_		L V H	TQKR	1 P A T	H	Y D D I	M M W	/D F E S	E R P	EZH	MILWLNS QMSFLFS QVMILFS	S D R
UniRef90_ UniRef90_	_I3Y0R4	F I H	I Q K R I T Q K R I	ч Р Q N Н Р R T	M L F	K D A 1 R S N <i>A</i>	MFW AAMW	/ D Y <u>L</u> S / D F <u>W</u> S	S Q N A	ESLF	Q V M L F	S D L S D R
	_UPI0004753F12	F I H F I R	TQKR	PQT PAT	GL	K D A T R N N F	MF W	/DFLS	L T P	E S V F	Q V T L M S	S D R G D R
UniRef90_		FI H	TQKR	PRT	Ţ H F	(SP[A N	/D F W S	L S P	ĒŞĻ	QVTILMS	S D R
UniRef90_	_I0JV87	FVH	A ♥ K P	3 P D V) ĒĹ	QHN	NTF W	D F V	ŽĮĮ N P	ĒŢ	TVMWLMS	S D R
UniRef90_ UniRef90_	_K7Z8Q6	F I H	TQKR	PRI	N	RSPI	AMM	DF WS		ETC	Q V T I L M S Q V T I L F S T T M W V M S	S D R
UniRef90_ UniRef90_	_UPI0003061142 _A0AMY5	L I H	A Q K R	= P H N <u>V</u> P Q T	NEMF HLK	QH[(DP[) F W) M F W	/DFFA /DFMT	L R P	EST F	I	S D R S D R
UniRef90_		FI H	SQKR	PGS	GLF	R D H N	M Q W	/DFWT /DFAS	LRP	ETAL	ALLMYFS QVAWLMG	G D R S D R
UniRef90_ UniRef90	_K9DAS9											
UniRef90_	_Q0SJL1	ĽŇH	à V K R	PRI	֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	RSAE	NNN	D F WI	NLP	EAL	H V M W Q M S	SDR
UniRef90_ UniRef90_	_J9Y6W2	F I H F I R	TQKR	1 P Q T 1 P K T	N L F N L F	KSAT RSPE	MIV W A M F	DF WA	A A Q P	E S V	Q V T I L M S	S D R
UniRef90_ UniRef90	_UPI00047B95E5 D5BZL5	F I R	TQKRI	HPRS RADN	S N L F N G L F	R S N T R D H F	A M W O M O W	/DFWS /DFWT	L S P	E S L F	QVTI LMS	S D R S D R
UniRef90_		F I H	I L K R	V P V	HR HI	DYC	MF W	/D F 🗒 5	E R P	E Š T	QVAILMS QTLVFFS QVTLLMS	S D R
UniRef90_	_ _W9AJ40	ËVH	AFKP	PDN	֓֞֞֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓	QHI	TEW	D F W	NNQ	E S A	MIMWIMS	SDR
UniRef90_		F V H	A V K P I	= P H N	Y	2 Q H [2 S N N	N Q U ار N A Q W	/ D F WT	L VP	E S L	MI MWI MS AI MWL MS QVTI L MS NI MFL FS	S D R
UniRef90_	_J9IZ85	V I H	SRKR	IPST	RLF	RDPN	NMSW	/DF∇C	GIL N P	E S L	NI MFLF	SDR

	210 220 230 240
UniRef90_G7QIP3	GIPDGYREMNGYGSHTEGII WNSKGEREWTKEHEKSMOGII R
UniRef90_F4ANL2	A I PRSLRFMEGFGVHTFKFI NAQGEEKFVKFHWKPKGGMQ A I PRSYRTMQGFGVHTFRFVNAEGRGTFVKFHWKPKLGTH G I PRSFRMMEGFGVNTFRFVNEQGKARFVKFHWKPLLGVH T L PRSLRMLEGFGVHTFKMVNAEGKASFVKFHWKPKLGLQ
UniRef90_UPI000346B90F UniRef90_W4QCZ0	A P
UniRef90_UPI00031A2C75	T L P R S L R M L E G F G V H T F K M V N A E G K A S F V K F H W K P K L G L Q
UniRef90_UPI000262689F	All IPRNILIRMMEGEGIVIH LERFIVIN A EGKSHEIVIK EH WKPLILIGIVIH
UniRef90_UPI000395C252 UniRef90 H2K234	GILIPASYRHMDGEGSHTYOWNNAAGEIVIEWIVIKYHEKTDOGILIK
UniRef90_I3TH56	GLPATYRHQHGFGSHTFGLVNAAGERVWVKFHLKSMQGIR
UniRef90_J2EX86	GLPATYRHQHGFGSHTFGLVNAAGERVWVKFHLKSMQGIRGLPHSYRHMHGFGSHTFSFISPANERFWVKFTWKTQQGIKAIPRSYRMMEGFGVHTFRFVNSHGESHFVKFHWKPKLGIH
UniRef90_E6V5F0 UniRef90_UPI0002881FA1	A
UniRef90_K6VNT1	A P R S F R F M E G F G V H T F R F V D A A G G S R F V K F H W K P A Q G L Q
UniRef90_K9PRY5	GILIPASYRHMNGYGSHTILISEWINAAGEREWTKEHEKTROGWK
UniRef90_I1XFU8 UniRef90_M9S9S8	GLPKSYRHMHGFGSHTYSFINANNERFWVKFHFKCMQGIEGIPYSYRHMHGFGSHTYSMINADGERTWVKYHLKTQQGIKTIPRSFRTLQGFGVHTFRLVNAEGKSVFCKFHWRPVLGLH
UniRef90_Q8EN31	TIPRSFRT I QGFGVHTFR VNAEGKSVFCKFHWRPVLG IHGVPKTYRHMDGFGSHTYMWINKNGKRSWVKYHFKTMQGADAIPRSYRMMEGFGVHTFRFVNDEGKAHFVKFHWKPKLGVHGIPKSFRHQHGFGSHTYSMINAENERVWVKFHFRTRQGVQAIPRSFRMMEGFGIHTFR LINEQGKSVFVKFHFKPLLGVH
UniRef90_F6EG04 UniRef90_UPI00036DB826	G V P K T Y R H M D G F G S H T Y M W N K N G K R S W V K Y H F K T M Q G A D A P R S Y R M M E G F G V H T F R F V N D E G K A H F V K F H W K P K L G V H
UniRef90_UPI00030DB020	GI PKSFRHQHGFGSHTYSMI NAENERVWVKFHFRTRQGVQ
UniRef90_W5QM85	A I PRSFRMMEGFGTHTFRLINEQGKSVFVKFHFKPLLGVH
UniRef90_Q1GYP5 UniRef90_C6WK51	AI PRSFRMMEGFGIHTFRLI NEQGKSVFVKFHFKPLLGVH AI PRSLRAMQGFGVHTFRLI NAKGVAKFVKFIWTPKQGVL GI PRSYRHMHGFGSHAFSMVNAAGERHWVKFHFRTRQGIE
UniRef90_UPI0003100AB3	GI PRSFRFMEGFGVHTFRLVDAAGKSTFVKFHWKPKLGLQ
UniRef90_UPI00047DC8DD	GI PRSFRMMEGFGVNTFRFVNAEGKARFVKFHWKPLLGVH
UniRef90_G2EGD0 UniRef90_A9I9M7	GI PRSYRHMHGFGSHAFS MV NAAGERHWVKFHFRTRQGI E GI PRSFRFMEGFGVHTFRLVDAAGKSTFVKFHWKPKLGLQ GI PRSFRMMEGFGVNTFRFVNAEGKARFVKFHWKPLLGVH GI PKGYRHMHGFGSHTYSFLNKDNARHWVKFHFVSQQGI E GI PKSLRHMHGFGSHTFSMI NALNERVWVKFHFRCQCEVE GI PVSPMHMDGFGSHTYSFI NADNERFWVKFHFKTRQGKV
UniRef90_V4PHY6	GI PVSPMHMDGFGSHTYSFI NADNERFWVKFHFKTROGKV
UniRef90_H2EZP4 UniRef90 M2U368	
UniRef90_A1WB07	T P R S L R M
UniRef90_UPI00036DECBE	TLPRSFGMMEGFGVHTFRLVNAAGKSTFVKFHWKPLLGVH
UniRef90_G0PMJ5 UniRef90_V4PUK0	G
UniRef90_K9UIE6	TILIPRNESTMOGEGIVI <mark>H</mark> TERWIVINKEGKSREIVIKYHWKPILIAGIVIH
UniRef90_R6Z6Q3	G[_]P
UniRef90_UPI000426D98E UniRef90_J0JM79	GILI <mark>P C</mark> NILIR O O H G E G S H L Y SIL LIN D K GIVIR H WIVIK E H E K S O O GILIA
UniRef90_UPI0003730308	G T P A N Y R E L D G F S V <mark>H</mark> A F K W V N A E G K V V Y V K Y K W E S K Q G V R
UniRef90_I3YZZ5 UniRef90_D8K9C6	GII IPKTWRHMDGESSHTYMWWWINAKGEKEWWWKYHEKTDOGII IE
UniRef90_G8M439	GI PKTWRHMDGFSSHTYMWVNAKGEKFWVKYHFKTDQGI E GI PKNFRQMHGFG <u>S</u> HTFSFI NEDNE <u>RF</u> YVKFHFKAQQALE
UniRef90_U4WI49	G <u>T</u> PATYRQMEGFG V <mark>H</mark> AFKW V NAEG <u>Q VV</u> Y V KY <mark>H</mark> WKP <u>AQ</u> G V K
UniRef90_W7YL46 UniRef90 UPI0004283473	A
UniRef90_C2FTL4	GTPYGYRHMHGFG <mark>SH</mark> TFS <u>M</u> I NANNELVY V KYHFRTEQG K
UniRef90_UPI000475DCC1 UniRef90_A0A011Q7R6	T
UniRef90_I0ER29	Ġ P K S F R H M D G F G S H T F S L I N A K N E R F W V K F H F K C M Q G 1 K
UniRef90_D7C2L8 UniRef90_C7HUS5	A
UniRef90_U4LC02	G T P F S Y R H M H G Y S G H T Y K F T K P D G S F H Y V Q I H L K T D Q G V K
UniRef90_F2SJ21 UniRef90_UPI000347C19C	G T P Y S Y R H M N G Y S G H T Y K W K P D G G F N Y V Q L H L K T D Q G I K G T P R T W R H M H G Y G S H T F M W Y N E A G E R F W V K Y H F R S D Q G V E
UniRef90_J2H6Y0	GI PRSVRHMDGESSHTVSEVNEAGAREWVKEHEKTOOGHA
UniRef90_R2T3H4	G
UniRef90_W9BR69 UniRef90 H8KQI0	G P
UniRef90_B6K7V1	GTPYGVRFMNGYSGHTYKFVNDKNEFFY <mark>C</mark> KWHFISDQGIK
UniRef90_D6U1X1 UniRef90_UPI0004101A64	GTPRTLRHMNGYGSHTYMWINAKGEKFWVKYHFISDOGVE AIPRSYAMMQGFGVHTFRLINAEGRPTFAKFHWKPLLGTH
UniRef90_A9BLW0	GIPRGYRHMHGFGSHTYSFINASNERHWVKFHW <mark>VC</mark> QQGFE
UniRef90_W1SRN8	ALPRSTRMMEGFGVHTFRLINADGKAHFVKFHWKPLLGIH
UniRef90_G1Y091 UniRef90_UPI00034D909B	GIPRILRHMNGYGSHIYMWINAKGEKFWVKYHFISDQGVEAIPRSYAMMQGFGVHTFRLINAEGRPTFAKFHWKPLLGTHGIPRGYRHMHGFGSHTYSFINASNERHWVKFHWVCQQGIEAIPRSLRMMEGFGVHTFRLINADGKAHFVKFHWKPLLGIHAIPRSYATMEGFGVHTFRLVNAEGKARFVKFHWKPLKGVFAIPRAYANMEGFGVHTFRLINAQGKATLVKFHWKPVLGVKGLPDGYRFMNGYGSHTFTNVNAQDEVTYVKYHFKTDQGLRGTPYSYRFMDGFSSHTYKFVNDKGEFYYCKWHFITNQGTK
UniRef90_K3X6X9	GLPDGYRFMNGYGSHTFTNVNAQDEVTYVKYHFKTDQGLR
UniRef90_P55306 UniRef90_I3Y0R4	GTPYSYRFMDGFSSHTYKFVNDKGEFYY <mark>C</mark> KWHFILTNQGTK GLPKGFR <mark>H</mark> LHGFGSHTYSLLNAQNERFWVKFHFKSEQGIE
UniRef90_UPI0004753F12	GTPANFRHMNGFASNTWMFYNDKGETWWFKWHFKTDQGIKGIPKSYRFMNGYSSHTYMWVNRGGERFWVKYHFKTDQGVDGIPATMRHMHGYGSHTFLWVNDAGEKTWVKYHFRTNQGVK
UniRef90_I2N5G6 UniRef90_S0NXC6	GII PKSYRFMNGYSSHTYMWVNRGGERFWVKYHFKTDQGVD
UniRef90_UPI00036B8F83	GI PRSYRMMEGFGVHTFRLVNAAGETTLVKFHWKPKLGVH
UniRef90_I0JV87	ALPRSYRMMQGFGVHTFRFVNAEGKGTFVKFHWKPALGTH
UniRef90_P30265 UniRef90_K7Z8Q6	G P
UniRef90_UPI0003061142	GLPKNFRQVEGFGVHTFRLVNREGQAHFVKFHWKPVQGLE
UniRef90_A0AMY5 UniRef90_E5XTU8	G
UniRef90_UPI00047D287C	ALPRSLRMMEGFGVHTYRLVNAHGVAHFVKFHWKPKLGKH GTPDGYRHMDGFGSHTYSLINEQGERVYVKWHFKTRQGIK
UniRef90_K9DAS9	GTPDGYRHMDGFGSHTYSLINEQGERVYVKWHFKTRQGIK
UniRef90_E1VVN7 UniRef90_Q0SJL1	A P
UniRef90_H1ZBT5	GTPFGYRHMNGYGSHTFSMLNAENER VYVKFHFKTAQGIK
UniRef90_J9Y6W2 UniRef90_UPI00047B95E5	G P V S P M H M N G Y G S H T F S M W N K E G K R H W V K F H F K T Q G G K G L P V A P M Y M N G Y G S H T Y S E W N D A G E R V W V K F H F K T E Q G H R
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UniRef90_D6X4D0	CI PSSVPHMHGVGADTEGEVNEEGOEEV <mark>C</mark> KEHVIITDOGI G
UniRef90_UPI000478DD2E UniRef90_W9AJ40	G P
UniRef90_UPI0004646437	ALPRSYRMMQGFG <u>V</u> HTFRLVNAAGASTFVKFHWTPKLLG <u>T</u> H
UniRef90_S3XXH9 UniRef90_J9IZ85	G
OHIUGIAO TAITOO	OIV I DO I KII MIDGE SAII AFK WIV IN A QGEAFFIV IK I <mark>FILIK SDILIKH K</mark>

	000 000 000 000
UniRef90 G7QIP3	250 260 270 280 N L <u>S MEKASA </u> L AGTDPDYATRD <u>L</u> FEA I ERKEFPKWK <u>F</u> CV Q I
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UniRef90_W5QM85	SIVIA WD E A Q KII IS G K N S D F H R Q DIL IF D A II IE S GII IF P E WE F GII IQII
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UniRef90_A9I9M7	G <u> </u>
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UniRef90_I3YZZ5	S V T WE E A V K I S G A D S D F H R R D L WD A I D A G M F P E WE L G L Q I C L T Q A E A D R L A G V D A D Y H R R D L F E S I K R G D F P S W T L K I Q I
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UniRef90 U4LC02	T <u>L </u> T N E E A <u>G</u> A <u>L </u> A S S N P D H S T E D L F T A E E G N F P S W T <u>V </u> Y <u>C Q </u> V
UniRef90_F2SJ21 UniRef90_UPI000347C19C	N L T A E E A K R L <u>E</u> A E D P D F H R R D L WQ A I E R G D N P S WT V K V Q V
UniRef90_J2H6Y0	HLTDAEAAEVVAGDRESNQRDLYDAI ERGDFPKWKVMVQI
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UniRef90_H8KQI0	S V A W D E A Q K I S G K D P D F H R R D L W E A I E E G L Y P E W E L G V Q L
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UniRef90_UPI00036B8F83	
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UniRef90_UPI0003061142	SLVWDEAQILSGKDIDFHRKDLYESIEKGDFPEWELGLQI NLDARR <mark>C</mark> EELMSHDPDYAIRDLYNSIKKGNYPSWSMYIQV
UniRef90_A0AMY5 UniRef90_E5XTU8	
UniRef90_UPI00047D287C	F L T Q A E A D H L A G A A P D F H R A D L Y A A I E R G E Y P S W T L K V Q I A L C A E E A R K I A G H D P D F H R R D L WE A I A R G Q G P E WE L G V Q L N L S A A D A T R I A G S D P D H A Q R D L F N A I A A N D F P Q W D V Q V Q V S L A W E E S Q L A A G A D P D F H R R D L A E A I D A G A Y P E W E L G V Q I N L T D E E A A A V V A G D R E S A Q R D L F N A I E E G N Y P K W T L F V Q I N L T D F E A D Q M R T T D M D Y A Q R D L F E H I E K G D F P K W N L K I Q V
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UniRef90_H1ZBT5 UniRef90_J9Y6W2	NLTGPEADQMRTTDMDYAQRDLFEHI EKGDFPKWNLKI QV NYTNETSEKI I GSTREKYQEELYNAI EEGNFPKWTMYI Q <u>A</u>
UniRef90_UPI00047B95E5	H L T N A E A S E V V G R S R E S Y Q E A L F G A I E D G C F P K WT M F V Q V
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UniRef90_UPI000478DD2E	NLTNAQAAEII TAKDRES <mark>HQ</mark> RDLYENI EKGNFPSWS <u>F</u> KI QV
UniRef90_W9AJ40 UniRef90_UPI0004646437	S L
UniRef90_S3XXH9	N L <u>T</u> N E E <u>A</u> A N V <u>T</u> A <u>K</u> D R E S N <u>L</u> R D L
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UniRef90_E6V5F0 UniRef90_UPI0002881FA1	I PADKEHSLGFDLLDPTKLIPEEMVPVQRIGKLVLDRNPD I PQSKEFDFDFDVLDPTKI WPEEEVPLRKLGLMTLNQNVD FDDDFAEHFEFDVLDPTKI I PEEQVPLRVI GRLTLDEVVD
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UniRef90_UPI00036DB826 UniRef90_UPI00031BFDF1 UniRef90_W5QM85	TKEEDEFAFDFDLLDPTKI WPEEDIPVKI I GKLTLNRNVD MTDAQAKAFPFNPFDLTKVWPKADYPLIEVGYFELNRNPE IPEEDEHKFDFDLLDPTKI VPEELVPVTPI GKLTLNRNPD
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UniRef90_UPI0003100AB3 UniRef90_UPI00047DC8DD UniRef90_G2EGD0	F D E A F A A R F A F D V L D P T K I I P E E E A P V Q I V G R M V L D R T V D I D E K D E F N F D F D L L D P T K I W P E E L I P V K I I G K M T L N R N V D M T E E E A K T Y R F H P F D L T K V W S K K D F P L I P V G E F E L N R N P E
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UniRef90_UPI000476DC7E UniRef90_W4TDL1 UniRef90_U5HA99 UniRef90_E7G1G3	DAERDIRGFAIKLYSEQGNWDIVGNNTPVFFFRDPLRFPD DTPRDVRGFAVKFYTQQGNFDLVGNNMPVFFIQDGIKFPD DTARDPRGFALKFYTEDGNWDLVGNNTPVFFLRDPAKFPH DAERDPRGFSIKLRTEEGNWDHVYNNTPVFFLRDPAKFPH DAERDPRGFSVKFYTQEGNYDLVGNNTPVFFLRDPLKFPD DSVRDVRGFSVKFYTQEGNYDLVGNNIPVFFIQDAIKFPD
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UniRef90_UPI00035F0E6B UniRef90_M0AZ21 UniRef90_E4N8W0	D T WR D P R G F A M K F Y T E E G N Y D L V G N N T P V F F I R D T K F P D D T V R D V R G F A T K F Y T E D G N WD L V G N N P V F F I Q D A M E F P D D T W R D P R G F A L K F Y T E Q G N Y D V V G N N T P V F F V R D P I K F Q D
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UniRef90_F8JE25 UniRef90_B2GI42 UniRef90_G9ZMZ1 UniRef90_E2SFN2	DAERDVRGFALKFYTSEGNWDLVGNNTPVFFVRDPMKFPD DTWRDPRGFALKFYTTEGNLDIVGNNTPIFFVRDGIKFPD DTIRDVRGFAIKFYTTEGNYDIVGNNTPIFFINDPLKFPD DTWRDPRGFSLKFFTSEGNWDMVGNNTPVFFVRDPMKFQH
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UniRef90_T1HTH7 UniRef90_UPI0003F7C62E UniRef90_G4EMM8 UniRef90_Q2H890	DSARDPRGFAVKFYTEDGIWDLVGNNTPVFFTRDPLMFFK DTLRDPRGFATKFYTNEGNLDIVGNHIPVFFIRDAMKFPD DSARDPRGFAIKFYTEEGNYDLVGNNTPIFFLRDGIKFPD DTARDVRGFAVKFYTEEGNWDLVGNDIPVFFIQDALKFPD
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UniRef90_W7YP92 UniRef90_Q8XPQ7 UniRef90_W1NLL7	ETIL R D P R G F A V K F Y T E D G N W D L V G N N L K I F F I R D P L K F P D ETIL R D P R G F A T K F Y T R F G N W D L V G N N L P V F F L R D A M K F P D
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UniRef90_G8X4G5 UniRef90_P49318 UniRef90_G8MVD5 UniRef90_A6E919	ETARDPRGFAVKFYTEEGNWDLVGNHIPTFFIRDAIKFPD ETLRDPRGFATKFYTREGNFDIVGNNFPVFFIRDGIKFPD DAERDVRGFSLKFYTEQGNWDLVGNNTPVFFIRDPLKFPD DSERDPRGFALRLYTEDGNWDIVGNNTPVFFIKDPKKFSD
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UniRef90_UPI000311CFD3 UniRef90_Q0D9C4 UniRef90_Q8X1P0 UniRef90_A9UW79	ETVRDPRGFAVKFYTEDGNWDLVGNNLKIFFIRDPLKFPD ETLRDPRGFAVKFYTREGNFDLVGNNMPVFFIRDGMKFPD DTVRDVHGFATRFYTDEGNFDIVGNNIPVFFIQDALLFPD DADRDVRGFGVRFYTDEGNFDLVGNNTPIFFVRDPNKFQD

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JURNERS D	UniRef90 UPI0004187B5B	L N H A V K R D P R T G M R S A E N N W D F W T L L P E A L H Q V T I L M S E R
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UPINGRE90 MONOGREPADA	UniRef90_E4N8W0	FI R S Q K R R P D N G L R D H D M Q W D F W T L S P E S A H Q V T W L M G D R
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UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UV H A F K P D P VIT N Q D P E R M F D F S Q R P E S A H Q V T T M G D R UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UV H A F K P D P VIT N Q D P E R M F D F S Q R P E S A H Q V T T M G D R UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_UP100036EB6F5 UNIRGE90_UP100036EB6F5 UNIRGE90_UP100036EB6F5 UNIRGE90_UP10003B6B055 UNIRGE90_UP10003B6B055 UNIRGE90_UP10003FEB6F5 UNIRGE90_UP10003FEB6F5 UNIRGE90_UP10003FEB6F5 UNIRGE90_UP10003FEB6F5 UNIRGE90_UP10003FEB10 VV H A L K P N P K T N I Q E Y WRI L D Y M S H L P E S L H Q V T W L M G D R UNIRGE90_UP10003FEB10 UNIRGE90_UP10003FEB105 VV H A L K P N P VIT N V Q D S E R I F D F W M S H L P E S L H Q V T W L M G D R UNIRGE90_UP10003FEB10 UNIRGE90_UP10003FEB105 VV H A L K P N P V T N V Q D S E R I F D F W M S H L P E S L H Q V T W L M G D R UNIRGE90_UP10003FEB10 UNIRGE90_UP10003FEB105 FI H S Q K R R A D N G L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 FI H S Q K R R A D N G L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 UNIRGE90_UP10003FEB105 FI H S Q K R R A D N L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 FI H S Q K R R A D N L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 FI H S Q K R R A D N L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 FI H S Q K R R A D N L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 FI H S Q K R R A D N L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 FI H S Q K R R A D N L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 FI H S Q K R R D P V T N V Q D P N R F P D F S S A H Q V T W L M G D R V T L M S D R UNIRGE90_UP10003FEB10	UniRef90_H5UT63	VI HAGKPHPDREII PQHDTFWDFVSIL HTEAQHHTMWNMSDR
UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UV H A F K P D P VIT N Q D P E R M F D F S Q R P E S A H Q V T T M G D R UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UV H A F K P D P VIT N Q D P E R M F D F S Q R P E S A H Q V T T M G D R UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_UP100036EB6F5 UNIRGE90_UP100036EB6F5 UNIRGE90_UP100036EB6F5 UNIRGE90_UP10003B6B055 UNIRGE90_UP10003B6B055 UNIRGE90_UP10003FEB6F5 UNIRGE90_UP10003FEB6F5 UNIRGE90_UP10003FEB6F5 UNIRGE90_UP10003FEB6F5 UNIRGE90_UP10003FEB10 VV H A L K P N P K T N I Q E Y WRI L D Y M S H L P E S L H Q V T W L M G D R UNIRGE90_UP10003FEB10 UNIRGE90_UP10003FEB105 VV H A L K P N P VIT N V Q D S E R I F D F W M S H L P E S L H Q V T W L M G D R UNIRGE90_UP10003FEB10 UNIRGE90_UP10003FEB105 VV H A L K P N P V T N V Q D S E R I F D F W M S H L P E S L H Q V T W L M G D R UNIRGE90_UP10003FEB10 UNIRGE90_UP10003FEB105 FI H S Q K R R A D N G L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 FI H S Q K R R A D N G L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 UNIRGE90_UP10003FEB105 FI H S Q K R R A D N L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 FI H S Q K R R A D N L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 FI H S Q K R R A D N L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 FI H S Q K R R A D N L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 FI H S Q K R R A D N L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 FI H S Q K R R A D N L R D N D M Q W D F W T L S P E S A H Q V T W L M G D R UNIRGE90_UP10003FEB105 FI H S Q K R R D P V T N V Q D P N R F P D F S S A H Q V T W L M G D R V T L M S D R UNIRGE90_UP10003FEB10		EVIDALIN PEPRINEII POHDTEWDEII TRNOESAHMAMWAMSDR
UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UV H A F K P D P VIT N Q D P E R M F D F S Q R P E S A H Q V T T M G D R UNIRGE90_FORZES FI H T Q K R D P R T N M R S A Q N N W D F W S L P E S L H Q V L T L T F S P R P D L P E W D F V S L H T E A Q H H T L W N M S D R P D W M R S N A H K W D P N A F W D F V S L H T E A Q H H T L W N M S D R P D W M R S N A H K W D P N A F W D F V S L H T E A Q H H T L W N M S D R P M M W D P N A F W D F V S L H T E A Q H H T L W N M S D R W M W D F W S L V P E S L H Q V T L T F S P R W M W M W M S D R W M R S N A H K W D F F W S L V P E S L H Q V T W L M G D R W M R S N A H K W D F F W S L V P E S L H Q V T W L M G D R W M R S N A H K W D F F W S L V P E S A H Q V T W L M G D R W M R S N A H K W D F W S L V P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R W M S P E S A H Q V T W L M G D R W M R W M S P E S A H Q V T W L M G D R W M R W M S P E S A H Q V T W L M G D R W M R W M S P E S A H Q V	UniRef90_UPI00036C5404	LIHSQKPDPVTNLQNAERLFDFFSNTPEAMHMLTFLYSPW
UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UNIRGE90_FORZES UV H A F K P D P VIT N Q D P E R M F D F S Q R P E S A H Q V T T M G D R UNIRGE90_FORZES FI H T Q K R D P R T N M R S A Q N N W D F W S L P E S L H Q V L T L T F S P R P D L P E W D F V S L H T E A Q H H T L W N M S D R P D W M R S N A H K W D P N A F W D F V S L H T E A Q H H T L W N M S D R P D W M R S N A H K W D P N A F W D F V S L H T E A Q H H T L W N M S D R P M M W D P N A F W D F V S L H T E A Q H H T L W N M S D R W M W D F W S L V P E S L H Q V T L T F S P R W M W M W M S D R W M R S N A H K W D F F W S L V P E S L H Q V T W L M G D R W M R S N A H K W D F F W S L V P E S L H Q V T W L M G D R W M R S N A H K W D F F W S L V P E S A H Q V T W L M G D R W M R S N A H K W D F W S L V P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R S P E S A H Q V T W L M G D R W M R W M S P E S A H Q V T W L M G D R W M R W M S P E S A H Q V T W L M G D R W M R W M S P E S A H Q V T W L M G D R W M R W M S P E S A H Q V	UniRef90_U2F524	LNRAVKRDPRTGMRSAQNNWDFWTLLPETFHQTTIVMSDR
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UniRef90_C5C8I0 UniRef90_A9TG35 LINES A9TG35		II I I H A E K P D P II II N II IQ D I E R II I E D E II IS Q S P E A M H M II I I E II I E S P W
UniRef90_V8A5U9 File	UniRef90_C5C8I0	V V H S V K P H P D R E L P Q H D T F W D F V S L H T E A Q H H T L W N M S D R
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UniRef90_J2JCM6	UniRef90_B2GI42	FILHSQKRLPGSGMRDNTMQWDFWTQSPESAHQVTYLMGPR
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UniRef90_Q65DE0	UniRef90_W4QD70	L V H A F K P D P V T N V Q D L E R L F D F V S H S P E A T H M V T F L F S P W
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UniRef90_Q65DE0	UniRef90_G4EMM8	FI HTQKRDPKTHLKDPNMFWDFLSLTPESLHQVTILMSDR
UniRef90_Q65DE0	UniRef90_Q2H890	VI HAGKPEPHNEVPQHNNFWDFQFNHTEATHMFLWTMSDR
UniRef90_Q65DE0	UniRef90_G5RW46	FVH AVKPEPPQGQSAHDTFWDYVSLQPETLHNVMWAMSDR
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UniRef90_Q65DE0		WINDSTRESSED ON DESTRICT WITH A AKPHPD REILPOHDTEWDEWGILL TEATHLE WINMSDD
UniRef90_Q65DE0	UniRef90_UPI000365EF69	LIHSQKPDPITNI QSAGRIFDFFSGTPEATHMVTFILYSPW
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UniRef90_M7MTZ0 UniRef90_L7LN46 UniRef90_L7LN46 UniRef90_G8X4G5 FT H A N K P S P I T D L Q D E N R I F D Y F S K T P E A T Q T L T WL M S D N UniRef90_G8MVD5 UniRef90_G8MVD5 UniRef90_A6E919 UniRef90_B8XYC4 UniRef90_B8XYC4 UniRef90_UP1000378023E UniRef90_B8XYC4 UniRef90_H6RPA5 UniRef90_H6RPA5 UniRef90_H6RPA5 UniRef90_A0A022MC77 UniRef90_H6RPA5 UniRef90_N8VLZ9 UniRef90_N8VLZ9 UniRef90_UP1000311CFD3 UniRef90_Q0D9C4 UniRef90_Q0D9C4 UniRef90_Q0BX1P0 UniRef90_Q8X1P0 UniRef90_Q8X1P0 UniRef90_Q8X1P0 UniRef90_Q8X1P0 UniRef90_A9JW79 V H A V K P H P D L E I P Q H D T F W D F V S L H T Q A Q A H T M W F M A D R F I H A V K P S P I T D L Q D E N R I F D Y F S K T P E A T Q T L T WL M S D R F I H A N K P S P I T D L Q D E N R I F D F C S H H P E S L S T F T W F Y D D V L V H A F K P N P K S H I Q E S W R I L D F C A H I P E S L S T F T W F Y D D V L V H A F K P N P K S H I Q E S W R I L D F C A H I P E S L S T F T W F Y D D V L V H A V K P E N P N E I P A H D T F W D F I S L N T E T A H M S T W V M S D R UniRef90_Q0D9C4 UniRef90_Q0BX1P0 UniRef90_Q8X1P0 UniRef90_A9JW79 F I H S Q K R N P Q T D I R D W F A R W D F W S I S P E S V H Q V I L I M S D R	UniRef90_UPI000319EEAC	MI HAFKPDPVSNRQEPWRFYDFVSQSPETLHMVTWVKSPW
UniRef90_G8X4G5 H A N K P S P	UniRef90_M7MTZ0	V V H A V K P H P DLEI P Q H D T F W D F V S L H T Q A Q A H T M W F M A D R
UniRef90_P49318 UniRef90_G8MVD5 UniRef90_A6E919 UniRef90_B8XYC4 UniRef90_Un		FILKSQKKKADNNILKDHDMQWDFWILISPESSHQVI WLMGDR
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UniRef90_L8LN69 UniRef90_V9FXS1 UniRef90_F4H7U1	T L F WN S L S A V E K E H V V E A A H F E L G K V E D Q G V R E R M V E R L N Q L F Y R K V L D S E A R E R L T D N L A T S L V N A S K K V R D R T L E N F K G T L Y R E V F D D A A R A R F L D V L T G H V G A V R E D L R E R A L Q Y W T
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UniRef90_UPI0003F7C62E UniRef90_G4EMM8 UniRef90_Q2H890 UniRef90_S7RGA6	ALFWRDELTEDDRVRLVQNMAQDLRQADFLWERALTNLH GDKFR AMSKKEQELLVDNLVADMWEVDYKIQVKALENFK GLLFDKVMDDAKRSRLIHNTASTLKLADVSIQYRWTALCY AQLFWNSMTPLEKHHIIAAFAFELDHCEDPVVSRMVNRLA RELWQKVLDDTHKAHLVHNVAVHLVNASAEVKARQLSVFA RLFWLSQTPLEQQHIIDAFSFELGKVARAYIRERVVDQLA
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UniRef90_I1RRK5 UniRef90_UPI00036A6FA4	I I H A V K P S P D S E I I P O H D S A W D E E S O O T T T I I H T I I E W	A M A G Y N M S D R
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UniRef90_K2I3P6 UniRef90_C7Z321 UniRef90_M2RDG3	FIRTQKRHPKTNMRSPEAMFDFWAAQPESVHQVTU LNRSHKKHPATNRPDATMFWDFHVNQPESVHALMH FUHTOKRNPOTHUKDHDMFWDYUSSNPESNYOVMR	II IF S DII I
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UniRef90_M5AE66 UniRef90_S6I1F2	YRLGVNYEQLPANRPLNHPNNYERDGFMQ TDNHC YRLGANALQLPINAP_RVAVNNGNQDGAMNI <u>GH</u> TS	GDQ V N SSG V N
UniRef90_F8NKG5	SRILIGIVIN WEEILIPII IN RPIVI CPIV LIN H N R D G K S R H RII VIQ S	SSVNY
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UniRef90_W9WMW6	TRILIGIVIN WEEILIPII IN RPIVI CPIVLIN FN RDGQILIR HTILITK (3 K A N Y
UniRef90_K6XNM2 UniRef90_N9CED1	Y R L G A N H Q Q I P V N R P V V A V S N N N Q D G Y M N V S E R E	OS DIVIN
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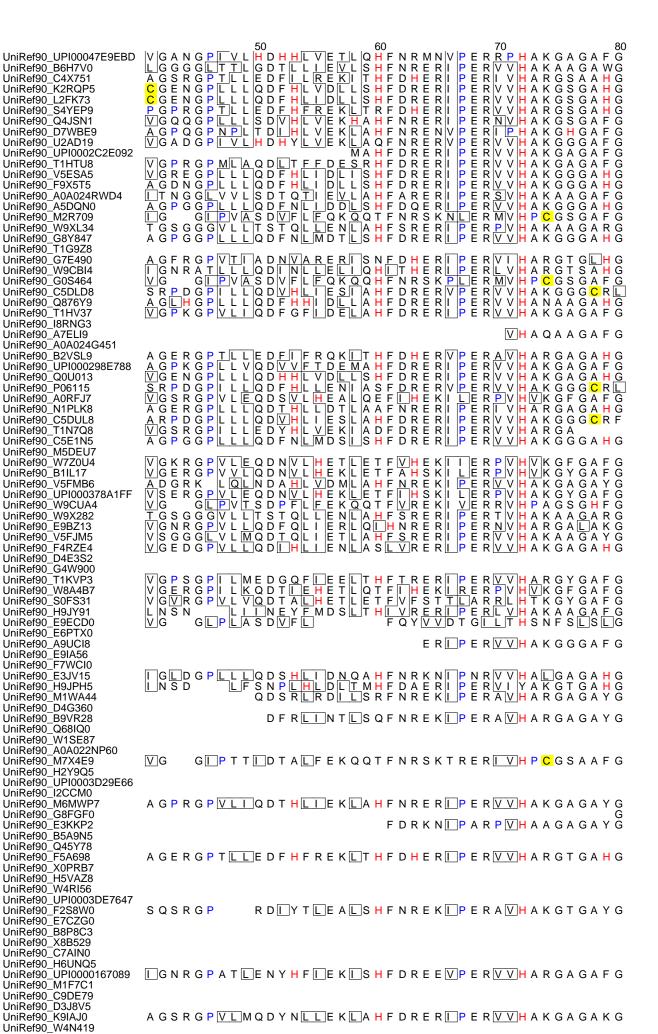
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UniRef90_W6Q0D0 UniRef90_U7Q2Q6 UniRef90_UPI000225BBCF	A A L WEI GREPGHQDRVIHNLAGNISGVSPNLREGVYALFG A QLFYNSLSRVEKSHLTSALAFELDHCDDPVVYRIVQRLA A RFFWNSLSAVEKQDLLETLTYHLQYAKKSVRKQNVDMWV GLLYREVLNEGQKQELAENLAGAMNGVSPETEERCYWYWS
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UniRef90_Q55MG2	E I D H G L A T S V
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UniRef90_S2XFJ1 UniRef90_J7LHX2 UniRef90_K5A4P9 UniRef90_W7Z0T4 UniRef90_K5UGP0	RADESLGHALAEGAN SLDAETGERIAGGV
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UniRef90_UPI0003B6F020 UniRef90_V2TMD5	A I D Q E V G D R I E S A K A D P E Y G T G V A K
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	1 10	20	<u>30</u> 40
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UniRef90_B1IL17 UniRef90_V5FMB6 UniRef90_UPI000378A1FF UniRef90_W9CUA4 UniRef90_W9X282 UniRef90_E9BZ13 UniRef90_V5FJM5 UniRef90_F4RZE4 UniRef90_D4E3S2 UniRef90_G4W900 UniRef90_T1KVP3 UniRef90_T1KVP3 UniRef90_W8A4B7	EFEVTEDIISDICDII DML VIGVIGKKTPCVTRFSTTGLERGSSYFQTVHAMTAYTQLCFLQNPGQQVPVTVRFSLAASNKGTPYFEVTKDVSSLTKARFLGEVGKKTPVFLRFSTVTFGKEFPYYEVADDVSDVTDADFLNGII GKKTPVLMRISTVGPARGSAYFQVTDDII SNLTFAEVFNGVGKQTPVALRFSTVIHSLHSPEFEVTHDCSDLTSASFLNTII GKKTGVLLRISTVGPERGSAVFTVTTDAKNHTMMDLFSEI GKKTPLSVRFSTLAGESGSS
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UniRef90_H6UNQ5 UniRef90_UPl0000167089 UniRef90_M1F7C1 UniRef90_C9DE79 UniRef90_D3J8V5 UniRef90_K9IAJ0 UniRef90_W4N419	Y F E T Y G P A E K Y T R A K V F S G A G K K T P L M V R F S T V G G E K G S A U F E T Y G P A E K Y T R A K V F S G A G K K T P L M V R F S T V A G A K D S P DIT K Y C K A D V S S Y C S K K T P F A V R F S T V G G E S G S A Y F K L E N D M S P Y T K A D L F N G I G K Q T P L I V R F S Q V A G E K G Y P

UniRef90_UPI00047E9EBD UniRef90_B6H7V0 UniRef90_C4X751 UniRef90_C4X751 UniRef90_L2FK73 UniRef90_L2FK73 UniRef90_Q4JSN1 UniRef90_D7WBE9 UniRef90_U2AD19 UniRef90_UPI0002C2E092 UniRef90_U7ESA5 UniRef90_F9X5T5 UniRef90_A5DQN0 UniRef90_A5DQN0 UniRef90_M2R709 UniRef90_M2R709 UniRef90_G8Y847 UniRef90_G8Y847 UniRef90_G7E490 UniRef90_T1HV37 UniRef90_G7E490 UniRef90_W9CBI4 UniRef90_G8Y847 UniRef90_G8Y847 UniRef90_G8Y847 UniRef90_G7E490 UniRef90_W9CBI4 UniRef90_U9CBI4 UniRef90_U9CBI4 UniRef90_U9CBI4 UniRef90_U9CBI4 UniRef90_U9CBI4 UniRef90_U9CBI4 UniRef90_U9CBI4 UniRef90_U9CBI4 UniRef90_U9CBI4 UniRef90_UPI000298E788 UniRef90_A7ELI9 UniRef90_A0RFJ7 UniRef90_H0C15 UniRef90_D115 UniRef90_D15 UniRef90_D15 UniRef90_UPI000378A1FF	N	$\begin{array}{llllllllllllllllllllllllllllllllllll$
UniRef90_E9ECD0 UniRef90_E6PTX0 UniRef90_A9UCI8 UniRef90_E9IA56	DEARNPRGFAIKFYTMEGNYDIVGLNFVCFFCRDPIQG MRGFAVKFYTKEGNWDLVGNNIPVFFIQDAIKF DTARDPRGFAMKFYTEGGNWDLVGNNTPIFFIRDTFLF	P D
UniRef90_F7WCI0 UniRef90_E3JV15 UniRef90_H9JPH5 UniRef90_M1WA44 UniRef90_D4G360 UniRef90_B9VR28 UniRef90_Q68IQ0 UniRef90_W1SE87	DTVRNVRGFGVKFRTPKGNWDLT DLARGLKGMAVKFYTKDGNFDLIGVQTPVYLYRDPLYF ESVRDVKGMALKHFTQDGNWDWVCLNIPMFFIRDPSKF MVGNNLKIFFIRDPLKF EYLRDAKGMAVKFFTQEGNWDWVCLNIPMFFIRDPLKF DAERDIRGFALKFYTDEGNWDLVGNNTPVFFFRDPKLF	GS PD PD PA
UniRef90_A0A022NP60 UniRef90_M7X4E9 UniRef90_H2Y9Q5 UniRef90_UPl0003D29E66 UniRef90_I2CCM0 UniRef90_M6MWP7 UniRef90_G8FGF0 UniRef90_E3KKP2 UniRef90_B5A9N5 UniRef90_Q45Y78 UniRef90_F5A698 UniRef90_X0PRB7 UniRef90_UNDRB7	PFFVREPFMG MQDFTFTDEM DTARDPRGFAWKFYTEDGNWDLVGNNTPIFFLRDPMQF DTERDPRGFAVKFYTDEGLWDLVGNNTPVFFARDPLKF ETLRDPRGFAVKFYTREGNFDLVGNNFPVFFVRDGLKF DTARNVRGFAMKFQTKQGAWDLVSNNAPVFFLRDPAKF DAERDLRGFALKFYTEKGNWDLVGNNTPVFFFKDPKLF DTVRDPRGFAVKFYTEDGNWDLVGNNTPIFFLRDPIFF DTVRDARGFATKFYTEDGNWDLVGNNTPIFFLRDPIFF	A H P N P D P D
UniRef90_W4RI56 UniRef90_UPI0003DE7647 UniRef90_F2S8W0 UniRef90_E7CZG0	G M A V K F F T E Q G D W D W V S L N F P F F F R D P A K F D T V R D P R G F A V K F Y T N D G L W D L T G N N T P I F F I R D P L F F	P D P S
UniRef90_B8P8C3 UniRef90_K8B529 UniRef90_C7AIN0 UniRef90_H6UNQ5 UniRef90_UPI0000167089 UniRef90_M1F7C1 UniRef90_C9DE79 UniRef90_D3J8V5 UniRef90_K9IAJ0 UniRef90_W4N419	DTARDPRGFAVKFYTEHGLWDLVGNNTPIFFIRDPILF DTARDPRGFALKFYTDEGNWDLVGNNTPIFFIRDPILF ETARDPRGFAVKMYTEDGNWDLVGNNLKIFFIRDAMKF DTARDPRGFAVKMYTEEGKLGLCGNNTPIFFIRDPILF DTVRDVRGFAVKFYTQEGNYDLVGNNTPVFFVNDPLKF	PS PD PN PS

UniRef90_UPI00047E9	EBD <u>F I</u> RSQK	170 R L P D S G L R D	180 A T M Q W D F	190 200 WT LN P E S A H Q V T Y V M G D R
UniRef90_B6H7V0 UniRef90_C4X751 UniRef90_K2RQP5	LNRSHK FVHAVK FIHTQK	R H P A T N R P D P E P P Q G Q S A R D P A T N G D D	WT MF WD F HDT F WD Y ST MF WD Y	HANQPESVHALMHLFGTR VSLQPETLHNVMWAMSDR LSQNPESVHQVMILMGDR
UniRef90_L2FK73 UniRef90_S4YEP9	FIHTQK VVHAVK	R N P Q N H N D C P E P H H E M P C	S F M F W D Y	L S Q N P E S L H Q V M L L M G D R V S L V P E T A H M V M W V M S D R
UniRef90_Q4JSN1 UniRef90_D7WBE9 UniRef90_U2AD19	FIRSQK FIRSQK FIRSQK	R	D E M Q W D F N D M Q W D F	WT R S P E T A H Q V T Y L M G D R WT R T P E S A H Q V T Y L L G D R W S L S P E S A H Q V T W L M G D R
UniRef90_UPI0002C2E UniRef90_T1HTU8	FIRSQK	RNPQTHLKD RNPATNLKD	P D MVWD F P N M A WD F	WSLRPESLHQVSFLFSDR FTRRPETLHHLLRVYSDA
UniRef90_V5ESA5 UniRef90_F9X5T5 UniRef90_A0A024RWD	FUHTQK MNRSHK	R N H L T H A D C R H P Q T N V P C	STVFWDY NSMFWDF	M S A N P E S V H Q F L Y L M G P R L S Q N P E S V H Q V M V L M G D R H K N N P E G I H A L M H L F G P R
UniRef90_A5DQN0 UniRef90_M2R709 UniRef90_W9XL34	FI HTQK VIRSQW INRSHK	R D P S T H N M C R N P K N F L F C R D P A T N R S S	STMTWDY YDALFDL ANMEWDE	WSLSPESAHQVIYLLGDR WSLSPESAHQVTWLMGDR WSLRPESLHQVSFLFSDR FTRRPETLHHLLRVYSDA MSANPESVHQFLYLMGPR LSQNPESVHQVMVLMGDR HKNNPEGLHQLTYMFGPR YTLNPECLHQLTYMFFSDH
UniRef90_G8Y847 UniRef90_T1G9Z8	FIHTQK FIHTQK	R D P S N Q L S C	S Y M T W D Y P D M F W D F	Y L N N P E C L H Q I T Y M F G E R I T L R P E T T H Q V C F L F A D R
UniRef90_G7E490 UniRef90_W9CBI4 UniRef90_G0S464	FTHATK VIRSQY			HVHSQESIHALMFLFGDR YLNNPECLHQITYMFGER ITLRPETTHQVCFLFADR ISLTPESSHMIAWILSDY FTHNQEGIHFLMFLFSDR LANAPEANHAGLMFFSDH
UniRef90_C5DLD8 UniRef90_Q876Y9 UniRef90_T1HV37	FIHTQK FIHTQK	RDPRNHGND RDPQTHLKD RNDVTHLKD	STMYWDY ADMFWDY	LTQNLESIHQITYMFGDR LGQNPESIHQMMILFSDR ISLRPESTHQTMFLFSDR
UniRef90_I8RNG3 UniRef90_A7ELI9	FIHTQK LNRSHK	R H P A K H T K D R H P Q T N V P D	P D M M W D F L A D M F W D F	LSLTPESIHQVTLLFSDR HNNNPEGTHQLMYLFSDR
UniRef90_A0A024G457 UniRef90_B2VSL9 UniRef90_UPI000298E	1	R	N N	L A N A PE A N H A GL MF F S D R L T Q N L E S I H Q I T Y MF G D R L G Q N P E S I H Q M M I L F S D R I S L R P E S I H Q V T I L F S D R L S L T P E S I H Q V T I L F S D R L S L R P E S L H Q Q T I L F S D R L S L R P E S L H Q Q T I L F S D R W S L R P E S L H Q V S F M F S D R
UniRef90_Q0U013 UniRef90_P06115 UniRef90_A0RFJ7	FIHSQK	R D P Q S H F Q D P S P I N N L <u>L</u> D	T T 🖂 Y W D Y	LT LNPESTHOUT YMFGDR
UniRef90_N1PLK8 UniRef90_C5DUL8	FIHTOK	TDPATNIVIRD	WNTFWSW	PAQFGFAMILIQFILIRILIFSDILI
UniRef90_T1N7Q8 UniRef90_C5E1N5 UniRef90_M5DEU7	MV H A L K F I H S Q K F I H T Q K	R N P () I H II IK I) A	LTQNPESIHQIVYMFGPR FSHHPESLHMFTFLFDDV YVHNPEVLHQLTYMFGDR ISLRPETTHQVSFLFSDR
UniRef90_W7Z0U4 UniRef90_B1IL17 UniRef90_V5FMB6	SIKAFL GIAAFS	PSPKNNLI PSPVNNLTY	PDRFWSF PERLWSF	V S R A P E S M H F V V R L Y S D N I A S A P E A T H F T R L F S D A V T N N H E S L H M V L L Q F S D F
UniRef90_UPI000378A UniRef90_W9CUA4	1FF FINALL NIRSQS	PSPVNNLIN RNPKTFFL	PERFWSF YDATMDF	VARAPEST GFL VRFYSDA LANVPESNHAGT MFFSDS
UniRef90_W9X282 UniRef90_E9BZ13 UniRef90_V5FJM5	LNRSHK MIRSLK LNRSHK	P N P L T G V Q E R H P R T N S P S	WWRVWDF ADMFWDF	HVNNQESTHALMFLFGDR FSNYPESTHMFTWLLDDV HTGNPEGTHQLMHLFSDR
UniRef90_F4RZE4 UniRef90_D4E3S2 UniRef90_G4W900	FTHTQK LNHVVK FIHTQK	RNPQTHLKC RDPRTNLRN RNPQTHMKC	P N M Y W D Y L I P V Y K W D F I P D M V W D F	HVNNQESIHALMFLEGDR FSNYPESTHMFTWLLDDV HTGNPEGIHQLMHLFSDR LGSHPESLYEFVRVFTDL FSHLPESLHQLTIDFSDR WSLRPESLHQLTIDFSDR LAANPESLHQVSFLFSDR LAANPESLHAFMRVYSDA VARTPESLHFVLRLYSNM FAKYPETTNMLIWFFSDL
UniRef90_T1KVP3 UniRef90_W8A4B7	FVHSQK AIKAFL	S D P V G N WP N P S P E N N L I D	D N I F S F	LAANPESLHAFMRVYSDA VARTPESLHFVLRLYSNM
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UniRef90_E6PTX0 UniRef90_A9UCI8 UniRef90_E9IA56		RAFPQAATA RNPKT <mark>H</mark> LK		
UniRef90_F7WCl0 UniRef90_E3JV15 UniRef90_H9JPH5	LIKSLT	GTDAGANA TNAQTGRQD	HDNFWDF PDATFDY	I S L R S E T T H Q V M F L F G D R A S L T P E A W H M I M W I M S D R L S S N A E A L P Q F L R L Q S D A L T M V P S S L H G Y L W T Q S D Y V C N N H E T L H M V M F Q F S D F I S Q S P E A T H M I T F L F S P W
UniRef90_M1WA44 UniRef90_D4G360	MV H A Q R L V H A F Q	P D P T T N V A N P D P V T N L Q D	PSRWWEF GERLFDF	V C N N H E T L H M V M F Q F S D F I S Q S P E A T H M I T F L F S P W
UniRef90_B9VR28 UniRef90_Q68IQ0 UniRef90_W1SE87	II I I A U K	PIJPRI NIVI I	P K IN VV VV F F I	V C D N H E A L H M V M F Q F S D F WT S L P E A L H Q V T I L M S D R
UniRef90_A0A022NP60 UniRef90_M7X4E9 UniRef90 H2Y9Q5	VIRSQQ			F S D R L A NVP E S H Y A G A V L L S D E L S L R P E T T H Q V S F L F S D R
UniRef90_UPI0003D29 UniRef90_I2CCM0	E66 FIHTQK	R N P K T H L K D	P D M F W D F	I S L H P P T T H Q V S F L F G D R
UniRef90_M6MWP7 UniRef90_G8FGF0 UniRef90_E3KKP2	MV H A L K L I Q S Q S	PNPKSHMQE RDPLNNLGN	N W R I L D F	WAGSPEAFHQLTILFGDR FSHHPESLHMFSFLFDDV FPNNPETMNMFLRIFSSA
UniRef90_B5A9N5 UniRef90_Q45Y78 UniRef90_F5A698	L N R A V K F I H T Q K	R D P K T N M R S R N P S T H L K D	A Q N N W D F P D M F W D F [WTSLPEALHQVTILMTDR ISLRPETTHQVSFLFSDR VASHYENAHMIMWLLSDR
UniRef90_X0PRB7 UniRef90_H5VAZ8 UniRef90_W4RI56			[MSDR MPESLHQVTIVMSDR
UniRef90_UPI0003DE7 UniRef90_F2S8W0	MII HSQR	R D P Q T N L L N	I P N M T W D F	WSHSPESVHQVTYLMGDR VTKNPEALHMTLLQHSDF
UniRef90_E7CZG0 UniRef90_B8P8C3 UniRef90_X8B529				I T L R A E T T H Q V S F L F S D R A A H M V M W V M S D R M T M I M S D R
UniRef90_C7AIN0 UniRef90_H6UNQ5 UniRef90_UPI00001670	F I <mark>H</mark> T Q K	<u>R N P V T N L K C</u>	A D M F W D F	I S L R P E T S H Q V S F L F S D R I T L R P E T T H Q I M F L F S D R V S R T P E A T H M L T F L F S P W
UniRef90_M1F7C1 UniRef90_C9DE79	F I H T Q K	RNPATHLKD	P D M F W D F	L T L R Q E A C H Q V S F L F S D R
UniRef90_D3J8V5 UniRef90_K9IAJ0 UniRef90_W4N419	FIIHIQK FIHSQK	R D P Q T N R R T	Q D M Q W D F	LSLRPETTHQV TFLFADR WAHSPESLHQVTYLMGDR

UniRef90_UPI00047E9EBD UniRef90_B6H7V0 UniRef90_C4X751 UniRef90_K2RQP5 UniRef90_L2FK73 UniRef90_S4YEP9	220 230 240 GLPKSWRTMNGYGSHTYMWVNAAGEKFWVKYHFMSQQGVH GIPDSIRRVTGFGVHTFKMVSADGGFRYCKFHFRPTQNTT GIPRSYRTMEGFGLHTFRLINAEGKATFVRFHWKPVAGKA GIPDGYRFMNGYSGHTMKLVNAKGDWVYAQFHFKTKQGNK GIPDGYRFMHGYAGHTLKLVNKDGDWVYAQFHFKTKQGNK ALPRSYRMMEGFGVHTFRFINAEGKSRFVKFHWKPLLGVH GLPTDFRHMDGFGSHTYQWINDAGERFWVKYHFKTRQGWD
UniRef90_Q4JSN1 UniRef90_D7WBE9 UniRef90_U2AD19 UniRef90_UPI0002C2E092 UniRef90_T1HTU8 UniRef90_V5ESA5 UniRef90_F9X5T5 UniRef90 A0A024RWD4	GI PT D F R H M D G F G S H T Y Q WI IN D A G E R F WV K Y H F K T R Q G W D G T P K T S R H Q D G F G S H T F Q WV N E A G D A V WI K Y H F K T R Q G W E G L P S S W R H M D G F G S H T F Y Q WI N A A G E R F WV K Y H F K T Q Q G I K G I P D G H R H M N G Y G S H T F K L V D A N G K A V Y C K F H Y K T D Q G I K G T P K S F R Y I N G F G I N T F K L V N A Q G N A T Y C K F H Y Q T D Q G I R G I P K S W R H M Q G Y S G H T F K F I V N K Q G K W K Y V Q I H V L S Q Q G T E G I P D G W R K M N G Y Y G H T K L V N S K G E W V Y A Q M H M K S K Q G V D G I P A S L R N I N G F G V H T Y T L N K S D G S Y V Y V K W H F K P D D G I K G T P K T W A G M H G Y S G H T F K F V K E D G S F N Y I Q L H V L A D D G F P G T P Q G W R F N H G Y G C H T F K W V N K D G Q F V Y I K Y H F I A E H G Q K
UniRef90_A5DQN0 UniRef90_M2R709 UniRef90_W9XL34 UniRef90_G8Y847 UniRef90_T1G9Z8 UniRef90_G7E490 UniRef90_W9CBI4	GVPRSWAKMNGYSGHTFKFVNAKEEITTYVQIHIIADEGFPGIPDGYRHMNGYSGHTFTLVNAKEEITTYVQIHIIADEGFPGIPDGYRHMNGYGSHTFTLVNAKGKSCFVKFHWKPHLGTHATPVDFQHADIFSINTYKFTKTDGSFTYVKLHLKPNQGVK
UniRef90_G0S464 UniRef90_C5DLD8 UniRef90_Q876Y9 UniRef90_T1HV37 UniRef90_I8RNG3 UniRef90_A7ELI9 UniRef90_A0A024G451 UniRef90_B2VSL9	GTPDGVRQMHGYSGHTFKWLKDDGSFTYVQVHCRADSGFK GTPDGYRHMNGYGSHTFKLVNDRGETCFCKFHYKTDQGLK GTPKSFRHMDGHSSHTYMFYNQAGEHCWFKWHFKADLGFQ GTPASLRNLNAYSGHTYKFTKQDGTFKYVRFHFLSNQGVK GTPASLRNLNAYSGHTYKFTKQDGTFKYVRFHFLSNQGVK
UniRef90_UPI000298E788 UniRef90_Q0U013 UniRef90_P06115 UniRef90_A0RFJ7 UniRef90_N1PLK8 UniRef90_C5DUL8 UniRef90_T1N7Q8 UniRef90_C5E1N5	GTPRSYRHLDGWGVHSFRFVTDAGATKLVKFRFRSLQGKGGLPDGYRHMNGYGSHTFKLVNAKGECVYCKFHFKVWSHKEGLPDGYRHMNGYGSHTFKLVNAKGECVYCKFHFKVWSHKEGLPKGYRKMHGYLGHTHKLVNKNGDWVYMQLHFKSQQGTDGTPASWASMNAYSGHSFIMVNKEGKDTYVQFHVLSDTGFEGTAKSFRRIPGHSVNTYVWRNAEGNRKYVKYHWYPFEGVQGTPYGMRHMDGWSGHSYRLVQADGSWVYCRVYFSTDQGVKGTPASWGEMSSYSGHTFKFYNKEGDMTYVQFHLLPEKGFQGVPADYRHMDGSGVNTYTLVNRAGKAHYVKFHWKPTCGVKGCPKSWALMNGYSGHTYKMINAQGNLTYVQFHLHSEQGVE
UniRef90_M5DEU7 UniRef90_W7Z0U4 UniRef90_B1IL17 UniRef90_V5FMB6 UniRef90_UPI000378A1FF UniRef90_W9CUA4 UniRef90_W9X282	GI PNGYRHMNGYGSHTFKL VNQQNKPVYCKFHYKTDQGIQGTIKSLRHIPGHSVNTYVWRNAEGKRHYIKYRWVPLAGEQGTLKSFRHMPGFSVNTYVWINAEGVRRYVKYYWLPLAGEQGTLKSFRHMPGFSVNTYVWINAEGVRRYVKYYWLPLAGEQGTMFSWRSMSGYIGHAYKWVMPDGSYKYVHIFLSSDQGPNGTVKSLRHIPGHSVNTYVWKNAQGVRTYVKYHWMPLAGVQATPDGWNFHGYGCHTFSWVNEQGERVFIKYTFIKKGGQK
UniRef90_E9BZ13 UniRef90_V5FJM5 UniRef90_F4RZE4 UniRef90_D4E3S2 UniRef90_G4W900 UniRef90_T1KVP3 UniRef90_W8A4B7 UniRef90_S0FS31	GLPSSVRHVNGYSGNTYKFTKDNGSYVYTRITVKTVQGIH GLPASYCQLDGWGVHTYKFISKAGKELLVRYYFESAQGVV GTPASLRHMNAYSGHTYKFTKEDGSFKYIKVHIKTQLGVK GTPDGFVNMDAWAGHSYRWVKADGTWVYVKIVAISQQGVH GIPKSYRHMHGFGSHTYSFINADNQRFWVKFHFRCQQGIE GLPDGFRHMNGYGSHTFKLVNADGQCVYCKFHYKTDQGIK GTPDGFRYLPGFSVNTFRLTNATGGMVFARFNLVPDLGIR GTVKSFRHIPGHSVNTYVWKNTNGERRYVKLAWFPLAGER GTVKSFRHIPGHSVNTYVWKNTNGERRYVKLAWFPLAGER
UniRef90_H9JY91 UniRef90_E9ECD0 UniRef90_E6PTX0 UniRef90_A9UCl8 UniRef90_E9IA56 UniRef90_F7WCl0 UniRef90_E3JV15	TIPRSERMEEGFGEHSYRLLNEAGESTFVKFHCKTNQGIK GIPDGYRHMNGYGSHTFKLVNAAGEAVYCKFHCKTNQGIK GIPDGYRHMNGYGSHTFKLVNSKNEMVYCKFHYKTNQGIK GIPDGYRHMNGYGSHTFKLVNSKNEMVYCKFHYKTNQGIK
UniRef90_H9JPH5 UniRef90_M1WA44 UniRef90_D4G360 UniRef90_B9VR28 UniRef90_Q68IQ0 UniRef90_W1SE87 UniRef90_A0A022NP60 UniRef90 M7X4E9	EDSSSGHVYK WVK QDGS WVYV KITFKTRQGNS GVPDGYRKMDIFPVHTYELNNKHGDRYYV RFNFRTEQGLA GTMFDYRSMSGYAAHAYK WVMPDGS WKYV H WFLASDQGPN GIPANYRQMQGSGVHAYK WVNEEGKAVL VKYHFEPKQGIR GTMFNYRSMSAYVGHAYK WAMPDGS WKYV H WFLSSDQGPN GIPKGFRNMHGFGSHTYSMYNDKGERVWVKFHHRTQQGIE HTFK WVNEDGEAVWVKFHFKTEQGVK GLPKSYRHIHGFGSHTFSFINANNERFWVKFHFKTQQGIE GTPVGWKHMNGFGCHTFRWTNKEGGSVFVKHHWICQQEKK
UniRef90_H2Y9Q5 UniRef90_UPI0003D29E66 UniRef90_I2CCM0 UniRef90_M6MWP7 UniRef90_G8FGF0 UniRef90_E3KKP2 UniRef90_B5A9N5	GTPNGWRHMNGYGSHTFKMVNADGHPVYCKFHLKTDQGIK PRSFRFMEGFGVHTFRLINAEGKSTYVKFHWKPKQGLQ GTPDGYRHMNGYGSHTFKLVNDKGEAVYCKFHFKTDQGIK GIPDGYRFMNGYGSHTFGLWNSKGERFWTKFHFKSMQGIR GLPSDYRHMDGFGVNTYSLISKDGKAHYVKFHWKPTCGVK GASRGWIHTNAWSINTYRWYKSDGTWSYVRINFETKQGVL GIPKGYRHMHGFGSHTYGMINANNERVWVKFHFRTQQGIE GIPDGYRHMNGYGSRTFKLVNKDGTAVYCKFHYKTDQGIK
UniRef90_Q45Y78 UniRef90_F5A698 UniRef90_X0PRB7 UniRef90_H5VAZ8 UniRef90_W4RI56 UniRef90_UPI0003DE7647 UniRef90_F2S8W0 UniRef90_E7CZG0	GIPDGYRHMNGYGSRTFKLVNKDGTAVYCKFHYKTDQGIKGIPRSYRMMQGFGVNTFRFVNKAGKGRFVKFHWIPKLGXHGIPDGYRHMHGFGSHTFSEVNDAGDRSWVKFHFRTQQGIKGIPDGYRHMHGFGSHTFSLINAKNQRFWVKFHFKSMQGIKMMEGFGVHTFRFVNEQGKARFIKFHWKPVLGVHGNPASYQNMNGYGSHTFKWVNEQGEQYWVKYHFISQQGVKGTMFTWRTLSSYVGHAFKWVMPDGSFKYVHFFLASDRGPGIPDGYRHMNGYGSSTFKMVNKDGKSVYCKFHYKTDQGIK
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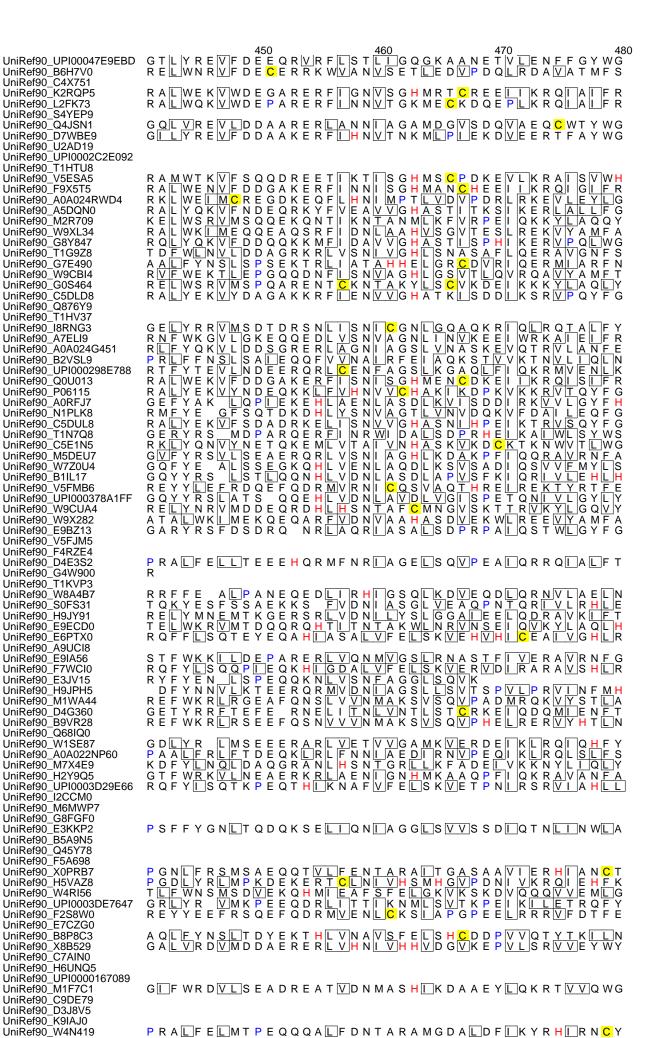
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UniRef90_D7WBE9 UniRef90_U2AD19 UniRef90_UPI0002C2E092 UniRef90_T1HTU8	N F H A QI E QL A L D P S N L V P G V G L S P D R M L Q G R V F A Y A D Q H R N Y F A Q I E Q A T F A P S N F V P G I A T S P D K M L L A R I F S Y A D A H R N Y F A E V E Q L A F D P S N M P P G I E P S P D K M L Q G R L F A Y P D T H R N F F A L I E Q A A F A P S N L V P G I E A S P D K I L Q G R L F S Y V D T Q F N Y F A E I E Q I A F N P A H L I P G L E P S N D P V L Q S R L F S Y P D T H R
UniRef90_V5ESA5 UniRef90_F9X5T5 UniRef90_A0A024RWD4 UniRef90_A5DQN0 UniRef90_M2F709	N Y F A E I E Q I A F N P A H L I P G L E P S N D P V L Q S R L F S Y P D T H R N Y F A E I E Q I A F S P S H M V P G I E P S A D P V L Q S R L F S Y P D T H R N Y F Q D I E Q A C F S P S N M V P G I G P S A D P V L Q A R M F S Y P D A Q R N Y H A E I E Q L A F S P A H L V P G L E P S N D P V L Q S R L Y S Y S D T H R N F H R D V E Q A A F S P G S M V P G V E D S P D P L L Q F R M F F Y R D A Q Y
UniRef90_W9XL34 UniRef90_G8Y847 UniRef90_T1G9Z8 UniRef90_G7E490	N WF A E I E Q A A F S P S N MV P G I A P S P D P M L Q A R M F A Y P D S A R N Y H S E V E Q I A F S P A H L V P G I E P S N D P V L Q S R L Y S Y S D T H R N Y F A E V E Q I A F S P A H M V P G I Q A S P D K M L Q G R L F S Y S D T H R N Y F A E V E Q I A F S P A H M V P G I Q A S P D K M L Q G R L F S Y S D T H R N Y F A E V E Q I A F S P A H M V P G I Q A S P D K M L Q G R L F S Y S D T H R N Y F A E V E Q I A F S P A H M V P G I Q A S P D K M L Q G R L F S Y S D T H R N Y F A E V E Q I A F S P S N M V P G I Q A S P D K M L Q G R L F S Y S D T H R N Y F A E V E Q I A F S P S N M V P G I Q A S P D K M L Q G R L F S Y S D T H R N Y F A E V E Q I A F S P S N M V P G I Q A S P D K M L Q G R L F S Y S D T H R N Y F A E V E Q I A F S P S N M V P G I Q A S P D K M L Q G R L F S Y S D T H R N Y F A E V E Q I A F S P A H M V P G I Q A S P D K M L Q G R L F S Y S D T H R N Y F A E V E Q I A F S P A H M V P G I Q A S P D K M L Q G R L F S Y S D T H R N Y F A E V E Q I A F S P A H M V P G I Q A S P D K M L Q G R L F S Y S D T H R N Y F A E V E Q I A F S P A H M V P G I Q A S P D K M L Q G R L F S Y S D T H R N Y F A E V E Q I A F S P A H M V P G I Q A S P D K M L Q G R L F S Y S D T H R N Y F A E V E V E V E V E V E V E V E V E V E
UniRef90_W9CBI4 UniRef90_G0S464 UniRef90_C5DLD8 UniRef90_Q876Y9	N F L R D V E Q A A F S P G S M V P G I E D S P D P L L Q F R M F F Y R D A Q Y N Y F E E I E Q I A F S P S N T V P G I E P S N D N V L Q S R L F S Y P D T Q R N Y F A F I E Q A A F A P S H I V P Y I E P S A D P V L Q S R I F S Y P D T H R
UniRef90_T1HV37 UniRef90_I8RNG3 UniRef90_A7ELI9 UniRef90_A0A024G451 UniRef90_B2VSL9	NYFAEVEQUAFAPGNFVPGIGVSPDKMLQ NFFAEVEQVAFAPGNFVPGIGVSPDKMLLGRLFSYPDTQR NFFADIEQAAFSPSNMVPGIAPSADPVLQGRLFSYPDAAR NYFAEVEQLVFSPAHFIPGIGPSPDKVLQGRLFSYNDAHY AHLVRGIDFTDDPLLQGRIFSYLDTQL
UniRef90_UPI000298E788	N V E A EN E ON A EN PAHI WO CHE D S A D DVIO S PILE S V D D T H P
UniRef90_N1PLK8 UniRef90_C5DUL8 UniRef90_T1N7Q8 UniRef90_C5E1N5	NYFAEIEQUAFSPSNLLDGAELSDDKMLQGRANIYGDAGRNYFAEIEQLAFSPSNLLDGAELSDDKMLQGRANIYGDAGRNYFAEIEQLAFSPSNLLDGAELSDDKMLQGRANIYSDTHRRNYFAEIEQLAFSPSNLLDGAELSDDKMLQGRANIYGDAQRNYFAEIEQLAFSPSNLLDGAELSDDKMLQGRANIYGDAQRNYFAEIEQLAFSPSNLLDGAELSDDKMLQGRANIYGDAQRNYFAEIEQLAFSPSNLLDGAELSDDKMLQGRANIYGDAQRNYFAEIEQCAAFSPSNLLDGAELSDDKMLQGRANIYWDSQRNYFAEIEQCAAFSPSNLLDGGVELSDDKILQGRANIYWDSQRNYFAEIEQQAAFSPSNLLDGGVELSDDKILQGRANLYWDSQRNYMEQVEKLAFSPSNLLEGGVELSDDRILQARMFFYRDAAQRNYMEQVEKLAFSPSNLLEGGVELSDDRILQQRRANLYWDSQRNYMEQVEKLAFSPSNLLEGGVELSDDRILQQRRANLYWDSQRNYMEQVEKLAFSPSNLLEGGVELSDDRILQQRRANLYWDSQRNYMEQVEKLAFSPSNLLEGGVELSDDRILQQRRANLYWDSQRNYMEQVEKLAFSPSNLLEGGVELSDDRILQQRRANLYWDSQRNYMEQVEKLAFSPSNLVPGIEPSPDMLLQQRRANLFSYGDAAQRNYFAEIEQAAAFSPSNLVPGIAPSPDFMLQARMFFYRDAAQRNYFTDIEQAAAFSPSNLVPGUEPSPDMLQQARMFFYPDAAARNYFTDIEQAAAFSPSNLVPGUARARNYPDAAARNYFTDIEQAAAFSPSNLVPGUARARNYPDAAARNYFTDIEQAAAFSPSNLVPGUARARNYPDAAARNYFTDIEQAAAFSPSNLVPGUARARNYPDAAQRRNYFTDIEQAAAFSPSNLVPGUARARNYPDAAQRRNYFTDIEQAAAFSPSNLVPGUARARNYPDAAQRRNYFTDIEQAAAFSPSNLVPGUARARNYPDAAQRRNYFTDIEQAAAFSPSNLVPGUARARNYPDAAQRRNYFTDIEQAAAFSPSNLVPGUARARNYPDAAQRRNYFTDIEQAAAFSPSNLVPGUARARNYPDAAQRRNYFAEIEQLAAFSPSNLVPGUARARNYPDAAQRRNYFTDIEQAAAFSPSNLVPGUARARNYPDAAQRRNYFTDIEQAAAFSPSNLVPGUARARNYPDAAQRRNYFTDIEQAAAFSPSNLVPGUARARNYPDAAQRRNYFTDIEQAAAFSPSNLVPGUARARNYPDAAQRRNYFTDIEQAAAFSPSNLVPGUARARNYPDAAQRRNYPAAPDKLIQQGRLFSYYPDAAQRRNYFTDIEQAAAFSPSNLVPGUARARNYPAAPDKLIQQGRLFSYYPDAAQRRNYFTDIEQAAAFSPSNLVPGUARARNYPAAPDKLIQQGRLFSYYPDAAQRRNYFTDIEQAAAFSPSNLLPGUARARNATURUBARARNIYWDSQRRNYFTDIEQAAAFSPSNLVPGUARARNATURUBARARNIYWDSQRRNYFTDIEQAAARNIYPWDSQRRNYFTDIEQAAAFSPSNLVPGUARARNATURUBARARNIYWDSQRRNYFTDIEQAAARNIYWDSQRRNYFTDIEQAAARNIYPWDSQRRNYFTDIAAAAAAAFSPSNLVPGUARARNATURUBARARARARARARARARARARARARARARARARARAR
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UniRef90_W9CUA4 UniRef90_W9X282 UniRef90_E9BZ13 UniRef90_V5FJM5	N Y H R D V D Q A A F S P S S L V P G I E P S P D M L L Q W R M F F Y R D A Q M N W F A E I E Q A A F S P S N M V P G L A A S P D P M L Q A R M F A Y P D A A R N Q F L E N E Q S A F S P A R M V P G I A P S D E K M L Q A R L F S Y G D T Q R N Y F T D I E Q A A F S P S T M V P G W A P S A D P M L Q A R M F A Y P D A A R
UniRef90_F4RZE4 UniRef90_D4E3S2 UniRef90_G4W900 UniRef90_T1KVP3	N Y F A E I E QL A F S P S NL V D G WE P S A D P V L Q A R L F A Y P D A Q R N Y F S E V E Q V A M N P A N V V P G V S F S P D K M L Q G R L F S Y G D A H R N Y F A E V E Q L A F D P N N M P P G I E P S P D K M L Q G R L F S Y P D T H R N E F A E I E Q L A F K P S S L I P G I Y P A P D K L I Q G R L L A Y I D T Q N
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UniRef90_A9UCl8 UniRef90_E9IA56 UniRef90_F7WCl0 UniRef90_E3JV15	N Y F A E I E Q S A F S P A D MIV P G I E P S P D K MIL Q G R L F S Y A N Y F A D V E Q M A F D P A H M V P G I E P S P D K M L Q G R L F A Y G D T H R N F F A E T E Q V A Y C T Q N I V P G L D F S D D P L L H G R N F S Y L D T Q L N Y F A E V E Q A A F T P S N I I D G W E P S D D P V L Q M R L F A Y T D A Q R
UniRef90_H9JPH5 UniRef90_M1WA44 UniRef90_D4G360 UniRef90_B9VR28	NHFRIVVEHSAFNPGNLVPGIPGPVDYVFKARRLFYQHSQS DYFEEIEQLAFSPSRLVHGVEASEDPMLQARLFAYPDAQK NYHAEVEQASFGTGVLVDGLDFSDDKLLQGRTFAYSDTQR DYFQEIEQLAFSPSHLVPGVEPSEDPMLQARLFAYPDAQR NYFQDVEQAAFAPTNLVPGVEPSEDPMLQARLFAYPDAQR NYFQDVEQAAFAPTNLVPGVEASPDKMLQGRLFSYGDAQR NYFAEVEQAAFSPSHLVPGVEASPDKMLQGRLFSYGDAQR
UniRef90_Q68IQ0 UniRef90_W1SE87 UniRef90_A0A022NP60 UniRef90_M7X4E9 UniRef90 H2Y9Q5	NYFAELEQIAFSPSHLVPGIEASPDKMLQGRLFSYGDAGR NYFAEVEQAAFSPANVVPGIELSPDSLLCWRAWFYRDTQY NYFAELEQIAFSPSHLVPGIEASPDKMLQGRLFSYPDTHR
UniRef90_UPI0003D29E66 UniRef90_I2CCM0 UniRef90_M6MWP7 UniRef90_G8FGF0	N F F A E N E QUA F C P A I V V P G I H Y S D D K L Q T R V F S Y A D T O R
UniRef90_E3KKP2 UniRef90_B5A9N5 UniRef90_Q45Y78 UniRef90_F5A698	N Y F T E V E K L A F S P A N V I P G WA A S Q D P V L Q M R L F A Y S D S S R N Y F Q D V E Q A A F A P T N L I P G I D F S P D K M L Q G R L F S Y G D A Q R N Y F A E V E Q L A F C P A H M P P G I E A S P D K M L Q G
UniRef90_X0PRB7 UniRef90_H5VAZ8 UniRef90_W4RI56 UniRef90_UPl0003DE7647	N Y H A D V E Q A T F S P A N V V P G I G F S P D R M L Q G R L F S Y G D A A R N Y F A E V E Q S A F T P A N V V P G I G Y S P D R M L Q G R L F S Y G D T H R N Y F A E T E Q V A F H P G H V V P G I D F S N D P L L Q G R L F S Y T D T Q L N Y F D E V E E I A F S P A N M V P G I E P S L D K L L Q G R L F S Y K D A A R D Y F S E V E K L A F S P S N L V P G V E P S E D P L L Q A R M F A Y P D A Q R N Y F M D V E Q A A F S P A N M P P G I E A S P D R M L Q G E F F P E T E Q V A F C T S H V V P G I G F S D D P L L Q G R N F S Y F D T Q I
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UniRef90_H6UNQ5 UniRef90_UPI0000167089 UniRef90_M1F7C1 UniRef90_C9DE79	NYFAEVEQIAFAPSHLIPGIEPSP NYFAEVEQIAFSPAHMUPGIEPSP NYFAEVEQIAFSPAHMUPGIEPSP NYFAEVEQIAFSPSNLVPGIEPSPDKMLQGRLFSYSDAHR NYFAEVEQIAFSPSNLVPGIEPSPDKMLQG
UniRef90_D3J8V5 UniRef90_K9IAJ0 UniRef90_W4N419	N Y F A E V E Q L A F À P S H L V P G L E P S P D K M L Q G R L F S Y A D T H R N F F L D V E Q S A F A P S N L V P G I S A S P D R M L Q A R L F N Y A D A Q R

	370 380 390 400	^
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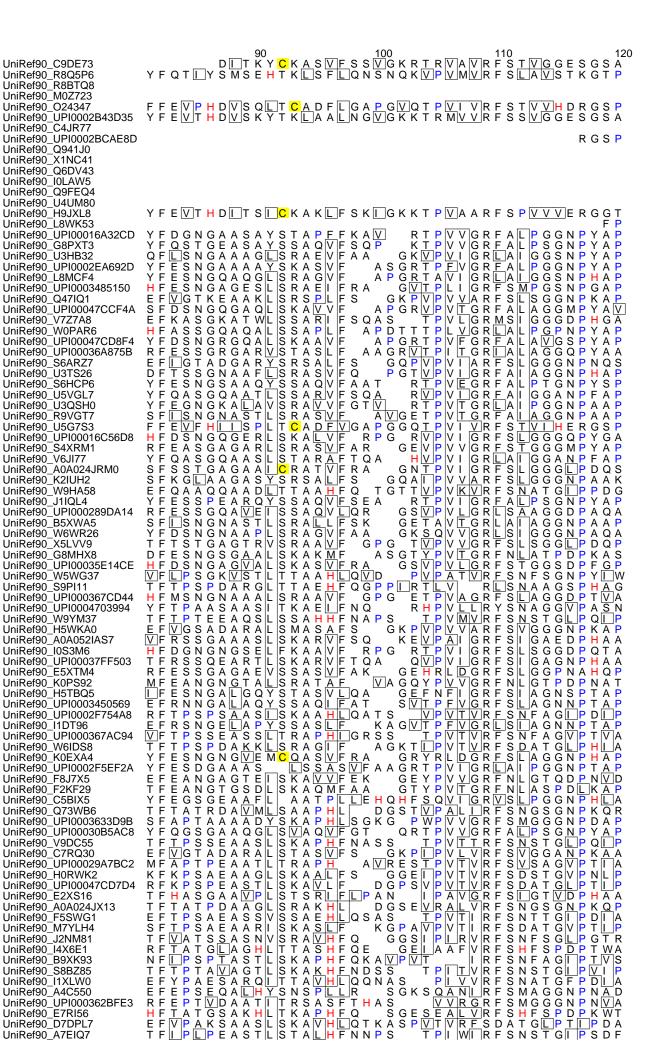
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UniRef90_	F2KF29	L Q V A S A	D D 4 T	DKS	PDALK	H E A A VI	EVLLQGRHFASSEA RKLTEYKAAERARAMKIVKAATTESAAFEKWATTESAAFLAWKDSAAFLAWKDSAAFLAWKDSAAFLAWKDSAAFLAWKDSAAFLAWAGSSAALQAWMRGSBFKAAFLTWAAGEFSAALQAWMRGSBFKAALQAWMRGSBFKAALQAWMRGSBFKAALQAWMRGSBFKAALQAWMRGSBFKAALQAWMRGSBFKAALQAWMRGSBFKAALQAWMRGSBFKAALQAWMRGSBFKAALQAWMRGSBFKAALQAWMRGSBFKAALQAWMRGSBFKAALQAWMRGSBFKAALQAWMRGSBFKAALQAALQAWAAGSBFKAALQAWMRGSBFKAALQAWMRGSBFKAALQAWRAALQAWMRGSBFKAALQAALQAWWRGSBFKAALQAALQAWWRGSBFKAALQAALQAALQAALQAALQAALQAALQAALQAALQAAL	SA
UniRef90_ UniRef90_	_Q73WB6	LLKAMRP	G L T T	PLRLA	T H L L T	HPRLL	GALPLL RE	AN
	UPI0003633D9B UPI00030B5AC8	L L Q T V A M L Q A G A P	EAAT	TKDK	CDKLDA GAMPA	F F K A N P F F A A H P	ESTNQKTWLTA ETAAFLQWVKT	A K
UniRef90_ UniRef90	V9DC55	LLGALAS	SAPE	APKNE	SPIEA	FLGSHP	A A L A F V Q A	PK
UniRef90_	_UPI00029A7BC2	FLRAVAA	SGPG	SPEPF	PLAAF	LASHP	E I A A F L Q WV K I A A F V Q A E V L L L G K H F A E A A A K A F A E A G S H P S V P A A L G K S H P Q V A R A Q A E A R K S V E R E A R L L G T L P V V R D	PK
UniRef90_	_H0RWK2 _UPI00047CD7D4		ა	AAK	P T P T	KFETFA	KSHPQVARAQA	TV
UniRef90_ UniRef90	E2XS16 A0A024JX13	QVEAFEP LLKAMRP	V A G T G L T T	G Q P A F	DKVAA MAK	FFQKYP YFVTHP	EARKSVER EARLIGITIE	NA
UniRef90_ UniRef90	_1 30 77 0 1				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	'. <u>-</u> <u>-</u> <u>-</u> <u>-</u> .	~ · · · · · · · · · · · · · · · · · · ·	'.`
UniRef90_	_ J2NM81	FLQGIAA	S V A T	PPDF	APLAA	FLA	EHPRARQFLDT	PK
UniRef90_ UniRef90_	_B9XK93	MIL GIV V K F L I A L G T	S F K K S G P G	GKPSL VAKPT		L A D Y P L A G H P L	ESGAM <u>I</u> ANI RK]	M Q G Q Q
UniRef90_ UniRef90		F L G A L G G M L T A V R	GT DSAS	SDAFI	K P I Q E	FLGTHP	ET LAFVQA	PK
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UniRef90_ UniRef90_		LLNSIAA	SGPD SGDA	AAKPS	PVEQF	LGSHP	A A L A F V Q M	1PK
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		210	220 230 240
UniRef90_C9DE73	GIPDGYRH!	<u>M</u> N G Y G <u>S </u> H ⁻	T F <u>K L V</u> N K K <u>H E</u> A <u>V</u> Y <u>C</u> K F H L K T D Q G I K
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UniRef90_Q9FEQ4			P T C G V K
UniRef90_U4UM80 UniRef90 H9JXL8	$G \square P D G Y R H I$	I F <mark>C N Y</mark> M P G F G I H ⁻	T Q
UniRef90_L8WK53	ATPVGW <u>R</u> FI	MSGYG <mark>C</mark> H ⁻	T
UniRef90_UPI00016A320 UniRef90_G8PXT3	D PSA SY <u>V</u> ITE PSA SYATE	EIYYA L N/ FTYNGIN	A F Y L V D A A G E K R A V R W R V V P E Q T A G A F Y L V N P A G Q R Q A V R W G V V
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UniRef90_Q47IQ1 UniRef90_UPI00047CCF	PPA SYASS 4A PPVSDFAGA	SSYWGI <mark>H</mark> ATYNSLN	T F K F V D K K G K A T L V R W Q F V P Q D G E K A F R F V D A A G A S T P V R W A M V P D Q S P A
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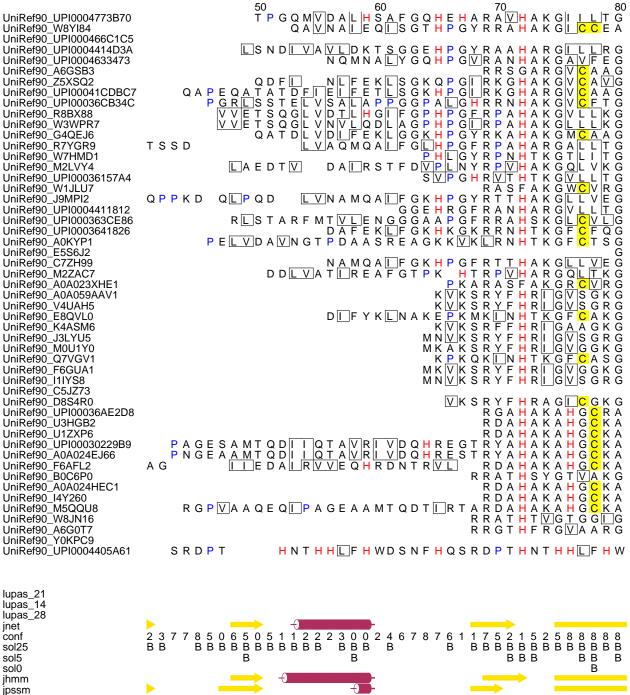
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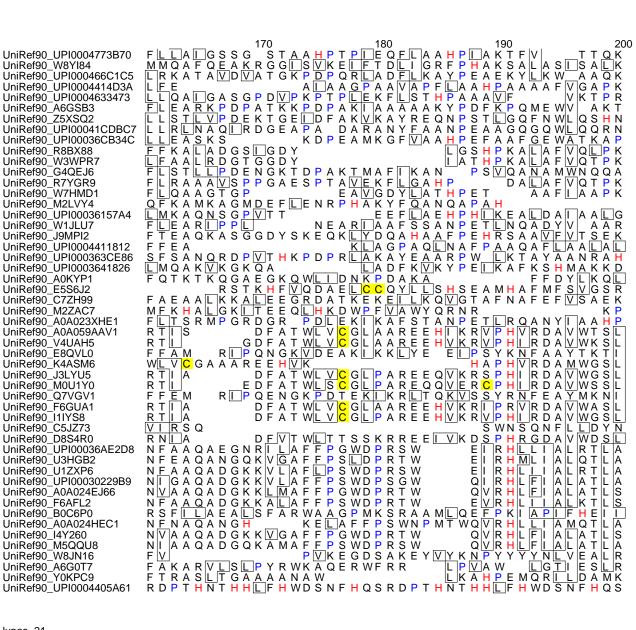
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jhmm jpssm

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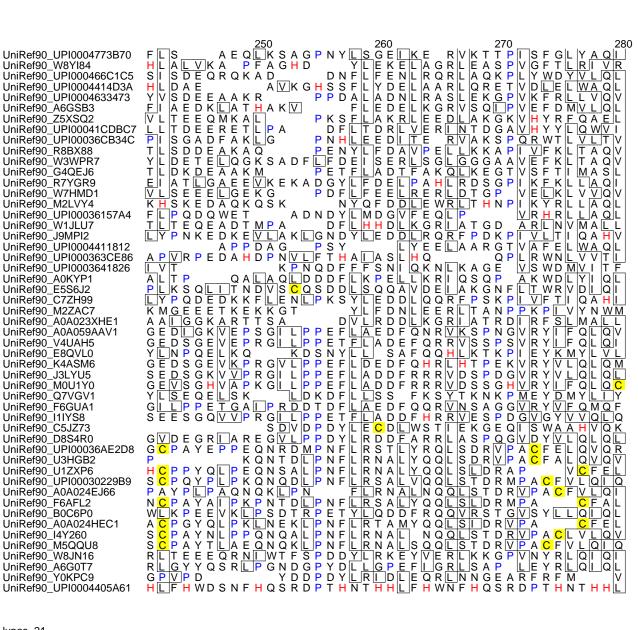
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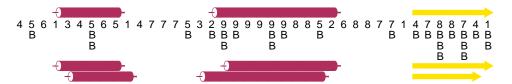
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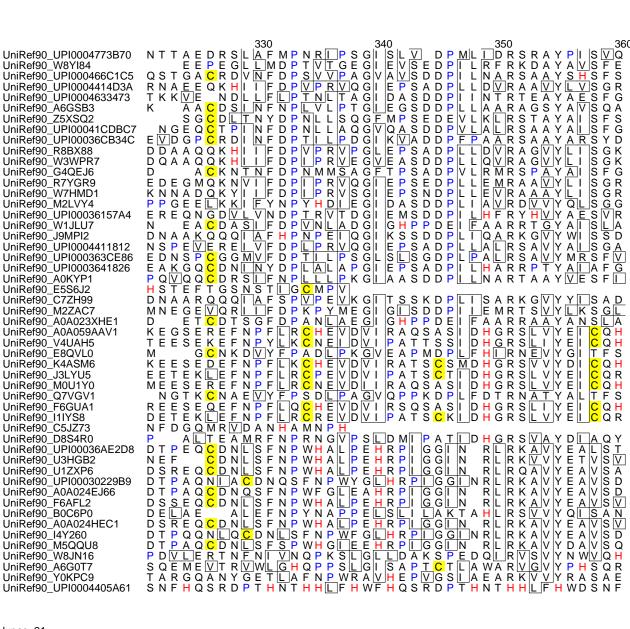
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ВВ В

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UniRef90_MAGGOT7
UniRef90_UP10004405A61 LMDPEYAKGVYDLLPE

lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0 jhmm

