QUERY UniRef90 Q7ZT86	1 10 20 30 40 VLSPADKTNVKAAWGKVGAHAGEYGAEALERMFLSFPTTK
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UniRef90_Q90ZA5 UniRef90_P10059 UniRef90_B0M2T2	ML I A E D K K L I Q Q A WE K A S S H Q E D F G A E A L L E R M F I A Y P Q I K V L S A A D K A N V K A A WG K V G G Q A G A H G A E A L L E R M F L G F P T T K L T K S D K A S I A N I WS K I A P Q A E A L G T E T L E R L F L T F P Q T K L T Q A E K A A V V A I WG K I A A Q V D A L G T E S L E R L F S S F P Q T K V L N A G D K A N V K A V WN K V A A H V E E Y G A E T L E R M F T V Y P Q T K ML T A E D K K L I T Q L WE K V A G H Q E E F G S E A L Q R M F L A Y P Q T K L T A E D K A N V K A I WS K V C V H A E E Y G A E T L E R M F T V Y P S T K V L S S D D K C N V K A V W K V A G H L E E Y G A E A L E R M F C A Y P Q T K ML S A N D K T L I S S T WN K V A A N A E D I G A E A L E R L F L A H P Q T K F T A F E K T L I N G W S K V
UniRef90_H3ABR1 UniRef90_P02104 UniRef90_Q9PVL9 UniRef90_UPI0004442C09	LITAADKALI VISLWGKI AGHTEAL GAEAL ERMFESFPQSK
UniRef90_F7GY95 UniRef90_Q6H1L9 UniRef90_G3WE91 UniRef90_G3WEX2	LIS DADKNNVKEFWEKLGENTGVYGTEALERTFSSFPSTK
UniRef90_P01983 UniRef90_G1LJX4 UniRef90_P02111 UniRef90_P18989	WT A E E K Q A S T WA K D V E E V G A G A L S R L L V V Y P W T Q V L S A N D K S N V R G V F G K S A H A D D Y G A E T L E R M F T V H P T Q K L T K A E R T [
UniRef90_Q28932 UniRef90_P14523 UniRef90_Q9GLX4	L S A E E K G H I N A I WS K V S VD Q T G A E A L G R L L I V Y P W T S V L T G E D K K H V Q H I WG L L S G A E E D L G A E V L Y R M F Q S Y P P T K F T A E D K A A I T S L WG K V N V E D A G G E T L G R L L V V Y P W T Q
UniRef90_Q8UV18 UniRef90_V5N513 UniRef90_C3KGZ6 UniRef90_Q8AYQ7	L S A D D K K T V K A F W A K A S S K A D D T G A D A L G R L L MV Y P Q T K L S A K D K A A V K A F W A T T A P K A E D T G G Q A L F R M L T V Y P Q T K L T E K D K A T V K A L W G K T S K S S D A T G A D A L G R M L V V Y P Q T K L S A K D K A A V K A F W A K V S G Q A D A T G S D A L S R M L V V Y P Q T K
UniRef90_W5MM10 UniRef90_UPI0003F134CF UniRef90_C1FXX6 UniRef90_K7N5M5	LSTADKDNITKIWAKVSPKAAQIGAEAFGRELIVFPQIK VLSEAERALVRALWNKMGDNVGVYTEALERTFASFPSTK
UniRef90_G1M487 UniRef90_UPI000333C137 UniRef90_UPI0003333728	F T A E E K A A V V S L WA R V N V E L V G G E V L G R L L V V Y P W T Q L T G E E K A A V T G L WA K V N V E E I G G E A L G R L L V V Y P W T Q L S S T D R A L V Q A L WK K L G S N V G L Y A T E A L E R T F Q A F P S T K
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UniRef90_S9XAF5 UniRef90_Q4S4F1 UniRef90_UPI0003AF73FB UniRef90_UPI000329B181	V L S S K D K T N V K T A F G K I G G H A A E Y G A E A L E R M F L G F P T T K L T K T D K A A V K A L WN K L S K S V D V I G A E A F G R M L L V Y P Q T K L T E K D K A A V K A L WA K V S K V V D T V G G E A L G R M L L V Y P Q T K L S G K D K A V V R N F W A K V S P K S A E I G G E A L G R M L T A Y P Q T K
UniRef90_P41331 UniRef90_Q6GPP8 UniRef90_UPI0004746CD9 UniRef90_Q38IV9	L T K T D K A A V K A L WA K L S K S V D V I G A E A F G R ML L V Y P Q T K L T E K D K A A V K A L WA K V S K V V D T V G G E A L G R M L L V Y P Q T K L S G K D K A V V R N F W A K V S P K S A E I G G E A L G R M L T A Y P Q T K V L T E E D K A R V R V A W V P V S K N A E L Y G A E T L T R L F A A H P T T K I F S D A E K T A I V S L WA K A S A D V K A L G A E A L E R L F L S Y P Q T K L S A E K A A V K D L WA K I S P K A D E I G S E A L G R L F E V F P Q T K
UniRef90_L8J2H0 UniRef90_Q98SE6 UniRef90_P82316	FSSAEKAAI ASLWGKVSGHADEI GGEALERLFLSFPOTK MLSAQERAHITQVWDLIAGHEAPFGAELLRRMFLSFPTTK LTAKDKQTVKAFWAKVSGKSEDIGAAAVARMLVVYPQTK FSDAERDAIAAIWGKI HIDEI GPQSLARVLIVYPWTQ FTAEEKATSLSIWEKV DLEKLGGETLGRLLIVYPWTQ LTAKDKKIVKAFKVAGKAE
UniRef90_Q63067 UniRef90_B5X930 UniRef90_B8K133 UniRef90_C5HYH8	FTAEEKATSLS WEKV DLEKLGGETLGRLLIVYPWTQ ILTAKDKKIVKAFFGKVAGKAEDIGNEALSRTLVVYPQTK LSAAERALLRALWKKLGSNVGVYATEALERTLEAFPRTK VLTADEKALVSSLWCKM NVDEAGAEALGRMLVVYPWTQ LTKTEGTIIVSMWAKISTQADTIGTETLERIFLSHPQTR MTDAEKGLVNGLWGKVKP VEIGAESLARLLIVYPWTQ MLSSAEKELIAEIWDKMTPVAEEIGSEALLRMFTTFPKTK WTAAERQAIASVWEKIS LESVGSEALLRMFTTTFPKTK VTAKDKTLVKTFWGKVKGKADAMGAEALGRMLVVYYPWTQ VLSAADKNNVKGIFTKIAGHAEEVGGEALGRMLVVYYPWTQ VLSAADKNNVKGIFTKIAGHAEEVGGEALGRMLVVYYPQTK LTAKDKTLVKTFWGKVKGKADAMGAEALGRMLVVYYPQTK LSATDKARVKALWDKIEGKSAELGAEALGRMLVVYYPWTQ MLSSKEKKLIKEMWERLTPVAEEVGGEALGRMLVVYPPWTQ MLSKKEKKLIKEMWERLTPVAEEVGGEALGRMLVVYPPWTQ MLSKKEKKLIKEMWERLTPVAEEVGGEALLRMFTTYPPTK LSGEEKAAVLALWDKIGSRSADIGSEALLRMFTTYPPTK NVEEVGGEALLRMFASYPGTK
UniRef90_H2QA68 UniRef90_G3IF93 UniRef90_A3KP86 UniRef90_W5MMA8	LTKTEGTII I VS MWAKI STQADTI GTETLERLELSHPQTR MTDAEKGLVNGLWGKVKP VEI GAESLARLLI VYPWTQ MLSSAEKELI AEI WDKMTPVAEEI GSEALLRMFTTFPKTK WTAAERQAI ASVWEKI S LESVGSQALLARLLI VYPWTQ
UniRef90_UPl0003503817 UniRef90_P83479 UniRef90_P56250 UniRef90_P02062	VLSAADKNNVKGIFTKIAGHAEEYGAETLERMFTTYPPTK LTAKDKTLVKTFWGKVKGKADAMGAEALGRMLVVYPQTK LSATDKARVKALWDKIEGKSAELGAEALGRMLVVSFPQTK
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UniRef90_L7MZW5 UniRef90_G3ICM5 UniRef90_P07428 UniRef90_UPI00046B3AEC	LSGRDKTIVKSFWDKIGSRSADIGAEALGRMLRVFPQTK WTAEEKQLIANCWSKV DIGQIGGDALACLLCVYPWTQ LTDAEKGLVTGLWAKV NADAVGAEALGRMMVVYPWTQ LTADDKKHIKAIWPSVAAHGDKYGGEALHRMFMCAPKTK AEKAAVASLWGKV NVEEIGGEILGRLLVVFPWTX LSAADRAAVRALWKLGSNVCIYTEALERCFASFPATK WTAEEKAAITSVWQKV NLEQDGHEALTRLLVVYPWTQ LSDRDQAMVRALWNKMDTNVCIYATEALERCFLAFPSTK
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UniRef90_UPI000383332B UniRef90_Q9PVM3 UniRef90_I1Y928 UniRef90_G5BXY5	MLTTDDKKLIQQVCERSSSHLEQFGAEALERMFTTYPQTK LSAKDKTTVKKFWDKVEGKSAEIGGEALGRMLVAYPQTK KIGGAVEDLGGEALDRLFLAYPQTK KIGGAVEDLGGEALDRLFLAYPQTK LTNSERALITTIWDKMSMQADVIGTETLERLFSSYPQTK MLTAEEKAAVTGFWGKV KVDEVGAEALGRLLVVYPWTQ WSASERSTITSLWGKI NVAEIGPQALARVLIVYPWTQ
UniRef90_P02075 UniRef90_P80727 UniRef90_Q5BJC7	MLTAEEKAAVT GFWGKV KVDEVGAEAL GRLL VVYPWTQ WSASERSTITSLWGKI NVAEI GPQALARVLI VYPWTQ LTAKDKAVIKGFWAKI ASQADSLGQEAMGRMLTVYPQTK
UniRef90_UPI0003AF4141 UniRef90_P80726 UniRef90_P14526 UniRef90_Q7ZT83	ETAKDKAVIKGFWAKIASQADSIGQEAMGRMLTVYPQTK EADGGSKNPRSESRMFLSFPTTK LTAKDKSLITGFWQKISSKADDLGAEALSRMIVVFPATK LADDEKAAVSALWHKV HVEEFGGEALGRLLVVYPWTS VLTAEDRRLLQASVGKLGCRLEDIGADRLNRLFIVFPQSK VLNAEDCKLLHATWAKVAGAADELGYKVLERLFKVFPQTK
UniRef90_Q7LZM6 UniRef90_UPI0003D0BCC8 UniRef90_Q5EEZ5 UniRef90_UPI0000F60FEE	V L N A E D C K L L H A T W A K V A G A A D E I G Y K V L E R L F K V F P Q T K W T A E E K R L I T N L W R K I D V A E C G A D A L A R L L I V Y P W T K L S A K D K A Q V K A L W A K A E S K T A D L G A E A L G R M L V S Y P Q T K M L S A Q E R A Q V A Q V W D L I A G H E A P F G A E L L V R L F T V F P T T K
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QUERY	TYFPHFDLSHGSAQVKGHGKKVADALTNAVAHVDDMPNAL
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UniRef90_P01965 UniRef90_F6YMJ4	T Y F P H F N L S H G S D Q V K A H G Q K V A D A L T K A V G H L D D L P G A L T Y F P H F D L S P G S D Q L K A H G S K V M G A I G D A V K N I D N V G S A L T Y F P H F D L S Q G S A Q L H D H G S K V L G A I G E A V K N I D N I T G A L
UniRef90_UPI00042BD2B2 UniRef90_P13273	TYFPHFDLSQGSAQLHDHGSKVLGAI GEAVKNI DNI TGAL TYFPHFDLHHGSAQI RTHGKKVLTALGEAVNHI DDLASAL
UniRef90_UPI000350E148 UniRef90_Q90ZA5	TYFPHFDLHPGSEQVRGHGKVPAAALGNAVKSLDNLSQAL
UniRef90_P10059 UniRef90_B0M2T2	TYFPHFDLTHGSAQVKAHGKKVVNAMGEAVNHLDDMAGAL
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UniRef90_UPI00038EA702 UniRef90_Q9CY10	TYFPHFDMIPGSPQII IQAHGKKIVIANAILINKAIVIENII IDDMPTAILI
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UniRef90_UPI000329B181 UniRef90_P41331	II IY F S H W S D S P S S A QIV K K H G A T II IM A A II IG D A IV IS K II ID DIL IT G GIL I
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UniRef90_Q38IV9 UniRef90_L8J2H0	T Y F S H F D L S H G S K D L S A H G G K V L R A I G N A A S H L D D I S G A L T Y F P H F D L S Q G S A Q V K G H G A K V A A A L T K A V E H L D D L P G A L
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UniRef90_UPI000383332B UniRef90_Q9PVM3 UniRef90_I1Y928	A Y F S H W D L N P Q H P M V K K H G A L I M G G K A V K N L D D L V R G L T Y F P H W D L N P Q S A O L K A H G K K V A A A A L V F A A N H L D D L A C A L L A N A A N L D D L A C A L L A N A A N L D D L A C A L L A N A A N L L D D L A C A L L A N A A N L L D D L A C A L L A N A A N L L D D L A C A L L L A N A A N N L L D D L A C A L L L A N A A N N L L D D L A C A L L L A N A A N N L L D D L A C A L L L A N A A N N L L D D L A C A L L L A N A A N N L L D D L A C A L L L A N A A N N L L D D L L A C A L L L A N A A N N L L D N L L D N L L L L L L L L L L
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		90	100	110 120
QUERY UniRef90_Q7ZT86 UniRef90_UPI000334155E UniRef90_P30892 UniRef90_P01965 UniRef90_F6YMJ4	S A L S D L H A S E L S D L H A A E L S D L H A S K L S D L H A A A L S E L H A A T L S E L H A	HKLRVDPV	NFKLLSHC	
UniRef90_UPI00042BD2B2 UniRef90_P13273 UniRef90_UPI000350E148 UniRef90_Q90ZA5 UniRef90_P10059 UniRef90_B0M2T2	S E L S D L H A S K L S D L H A S K L S D L H A S K L S D L H A C R L S E L H A S R L S D M H A	Q T L R V D P V	N F K L	FLVVVAIHQPSVLTPE FLVVVAIHHPAALTPE IQTVLAAHFPAALTPE FLVVLGVHHPAALTPE VLVVLGVHHPAALTPE VLVVAIHHPGSLTPE
UniRef90_H3ABR1 UniRef90_P02104 UniRef90_Q9PVL9 UniRef90_UPI0004442C09 UniRef90_F7GY95 UniRef90_Q6H1L9	S R L S D L H A S K L S S E M H A A R L S S D L H A S S S S S S S S S S S S S S S S S S S	Y N F MV D P V D K L H V D P E Y N L R V D P V H K L R V D P V H K L R V D P V	N F K L L S Q C N F K L L S Q C N F K L L S H T N F K L L S H C N F K Y S H C N F K Y	I L V A L A T Q L M A D F T P E L V I V L A S H F G N E F T A E I Q V V L A N H F P A E F T P E L L V T L A T H F P A D F T A E L L V T L A A H H P A E F T P A F L V T L A R H H P G N L N P E L I V T L A C H L S K D L T P E
UniRef90_G3WE91 UniRef90_G3WEX2 UniRef90_P01983 UniRef90_G1LJX4 UniRef90_P02111 UniRef90_P18989	S A L L S D L H A A S S K L S D E L H A A K L S E E L H A A K K L S E E L H A A K K L S E E L H A A K L S E L S E E L H A A K L S E L S E E L H A A K L S E L S E E L H A A K L S E L S E E L H A A K L S E L S E E L H A A K L S E L S E E L H A A K L S E L S E E L H A A K L S E L S E E L H A A K L S E L S E E L H A A K L S E L S E E L H A A K L S E L S E E L S E E L H A A K L S E L S	H K L R V D P V D K L H V D P Q Q K L R V D P V D K L H V D P E D K L H V D P E D K L H V D P E	NFKLLSHC NFRLLGDN NFKLLGQC NFKLLIQC	FLVTLARHHPGNLNPE LIVTLACHLSKDLTPE LIVLAATMGKDFTPE FLVVVAVHHPSLLTPE FQVVLASHLQGEFTVE LIVVLARHFSKDFSPE LVCVLAHHFGKEFTPP
UniRef90_Q28932 UniRef90_P14523 UniRef90_Q9GLX4 UniRef90_Q8UV18 UniRef90_V5N513	A S E L H A S E	D K L H V D P E Y N L R V D P V D K L H V D P E F N L R V D P G F Q L R V D P A	N F R L L G N V N F R L L G N V N F R L L G N V N F K F F A H C N F K L S H N	L VI CL A E H F G K D F T P E L QV A L A A R L G K E Y S P E L V T V L A L L H G K E F T P E L L V V M A N L Y P K D F T P E L L V V L A L L F P A D F T P E
UniRef90_C3KGZ6 UniRef90_Q8AYQ7 UniRef90_W5MM10 UniRef90_UPI0003F134CF UniRef90_C1FXX6 UniRef90_K7N5M5	L N L S E L H A L D L S E L H A S K L S E L H A S K L S E L H A A R L S E L H A A E L S E L H C A K L S E L H C	A F T L R V D P A A F T L R V D P T A Y N L R V D P V A Y K L R V D P V A Y K L R V D P V A Y K L R V D P A	NFKILSHC NFKILSHN NFKLLGHT NFQLLSHS NFKLLSHC NFKILSHC	I L V V L A MF P K E F T P E
UniRef90_G1M487 UniRef90_UPI000333C137 UniRef90_UPI000333728 UniRef90_UPI000395677D UniRef90_UPI00038EA702 UniRef90_Q9CY10	A E L S E L H C S A L S A L H A A Q L S K L H A S D L S D L H A S Q L S E L H A S Q L S D L H A S Q L S D L H A	D K L H V D P E D K L H V D P E H K L H V D P A D K L H V D P E X Y K L R V D P V	N F K L L G N M N F R L L G N M N F R L L G D L N F K L L N H S N F K L L N H S	L V V M A N L Y P K D F T P E L L V V L A L L F P A D F T P E I L V V L A I M F P K E F T P E I L V V M A I M F P Q D F T P E L L V S L S A S L G A D F T P E L L V T L A R H Y P G D F S P T L L V T V A A R F P A D F T P E I L V V I S M M F P K E F T P E I L I V L A T H F T K E F T P Q I V I A L A H H H G A E F T P P L L V T L A R H Y P G D F S P A L I I V L A A N Y G K D F S P A M L V T M A K N Y P E D F T P Q L L V T L A S H H P A D F T P A
UniRef90_W5LAT4 UniRef90_S9XAF5 UniRef90_Q4S4F1 UniRef90_UP10003AF73FB UniRef90_UP1000329B181 UniRef90_P41331	H	HRRRKRHHHHRRRRRRRRRRKRRRKRRRSR KNILKLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL	NFKLLAHN	L L V T L A S H H P A D F T P A I I V V V G M M F P G D F S P E L L V T V A A H H P G D F T P S V V V V T A M L F P K D F T P E F M V V I A T M F P K D F T P E I I L C M G M F F P A D F T P E L E V T I A A H S G G P L K P E I Q V T L A A H F P D E F D A T L K V S I A L Y F P G E F T P E
UniRef90_Q6GPP8 UniRef90_UPI0004746CD9 UniRef90_Q38IV9 UniRef90_Q98SE6 UniRef90_Q98SE6 UniRef90_P82316	S A L S D L H A S E L S D L H A K E L S Q L H A	YKLRVDPG HKLRVDPV	N F K L L S H S N F K L L C H C	L L V T L A R H Y P G D F S P N L L V V M A V M F P T D F T P F
UniRef90 Q63067 UniRef90 B5X930 UniRef90 B8K133 UniRef90 C5HYH8 UniRef90 H2QA68 UniRef90 G3IF93	LALSELHA SALSDLHV AQLSELHO	Y K L R V D P G	N F K L L G N V N F K I I N H N H F G L L G H C N F R L L G K X	L V I V L F S Y F G K E F T A E I L V V L A MMF P D D F T P E L L V T L A R H Y P G D F G P A X V C V M A R H L G P E F T P Q
UniRef90_A3KP86 UniRef90_W5MMA8 UniRef90_UPI0003503817 UniRef90_P83479 UniRef90_P56250	S L S E L H S S K L S S E L H A S K L S E L H A S S C L S E L H A S S C L S E L H A S S C L S E L H A S S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L H A S C L S E L L H A	D K L H V D P E Y Q L R I H P T S E K L H V D P G H K L R V D P V T K L A I D P G	NFKLEGNM NFKLFNHC NFRMLGET NFKVSGQC NFKLLSHC NFKLLAHN	I L V T L A C R M G D D F T P V L I I V L A A E L G A E F T P E FL V V V A I H H P A A L T P E L L V T F A V N Y P T D F T A E I I L V I S M Y F P G D F T P E
UniRef90_P02062 UniRef90_M4ASG7 UniRef90_Q98905 UniRef90_Q19LH2 UniRef90_L7MZW5 UniRef90_G3ICM5	S A L S E V H A S Q L S E L H A A A P L S E L H A A S S L S E L H A A S S L S E L H A S S L S E L H A S S L S E L H A S S L S E L H A A S S L S E L S E L H A A S S L S E L S E L H A A S S L S E L S	D K L H V D P E Y Q L R I D P T E K L H V D P A F K L R V D P A D K L H V D P V D K L H V D P E	N F N L L G D V	LIV <mark>C</mark> LAAHFGKDFTPA
UniRef90_P07428 UniRef90_UPI00046B3AEC UniRef90_UPI0003447372 UniRef90_A4IGT0 UniRef90_UPI00038EE4CD UniRef90_A7M7S6	R H H H H H H H H H H H H H H H H H H H	. Y D L R V D P G . N K L H V D S E . L Q L R V D P V . F K L H V D P T . H K L R V D P T	NFRLLGNV NFKFLGHO NFKRLGEV NFQFLVHO	L V V V A H F P K Q F D P A L V L A T H F S K E F T P Q L L V T L A R H Y P G D F G P A V I V L A S K L G S A F T P Q L L V T L A R H Y P G D F S P A L L V T M A A R F P A D F T P F
UniRef90_UPI000383332B UniRef90_Q9PVM3 UniRef90_I1Y928 UniRef90_G5BXY5 UniRef90_P02075 UniRef90_P80727	S A L S D L H A S E L S N L H A S E L S N L H A S A L S E L H A S K L S D L H A T K L S E L H A A Q L S E L H C S K L S Q L H N	Y N L R V D P L F K L R V D P A A Q K L R V D P V L R V D P V L R V D P V L R V D P V L R V D P V L R V D P D L R V D P D L R V D P D D L R K L N V D P D	NFKLLSQU NFKLLAHN NFKLLGHC	VILVAAMYFPADFTPE FLVVVAAHPSLLTPE
UniRef90_Q5BJC7 UniRef90_UPI0003AF4141 UniRef90_P80726 UniRef90_P14526 UniRef90_Q7ZT83	SSLLSDLHA SDLSDLHA AHLSELHC SQLSDLHA ADLSDLHA	TKLRVDPG HKLRVDPV FKMRIDPG DKLHVDPE	N F K L L S H N	L L V I L A C H L P N D F T P A L L V A C A V N F P V D F T A B
UniRef90_Q7LZM6 UniRef90_UPI0003D0BCC8 UniRef90_Q5EEZ5 UniRef90_UPI0000F60FEE UniRef90_P23740	S N L S D L H A S N L S K L H C S A L S E L H A A P L A T M H A H D I S L V H A	D K L R V D P E D K L R V D P E D K L R V D P E C Q M L R V D P Q K K K L L V D P Q	S	FQIV SLATHLRTEYSAL FLVELATHLQGDYTAS IINVLAAHQPREFSPS IIVAFALHFPADFTPE FQIVVLASHLQDEFTVE FQIVVLASHLQDEFTVE LEVALAAHFATDFTPE

QUERK URREF90 _072T36 URREF90 _072T36 URREF90 _07100034155E URREF90 _071965 URREF90 _07196 URREFP0 _07196 URREFP0 _071		
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URREF90 P01903 URREF90 P019033 URREF90 P0190333213 URREF90 P01900330137 URREF90 P0190030181 URREF9		A H A S L D K F L S S V S T V L T S K Y R
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UniRef90_P13273 UniRef90_P19100350E148 UniRef90_O902AS UniRef90_P10059 UniRef90_E10059 UniRef90_E10059 UniRef90_E10059 UniRef90_E10059 UniRef90_E10069 UniRef90_P10069 UniRef90_P10069 UniRef90_P10069 UniRef90_P10069 UniRef90_P10069 UniRef90_P10069 UniRef90_E10069 UniRef90_UniP10069 Un	UniRef90_F6YMJ4	T H A A W D K F L A L V T A V L T E K Y R
UniRef90		
UniRef90_B0MZT2 UniRef90_B0MZT3 UniRef90_B0MZT3 UniRef90_B0MZT3 UniRef90_B0MZT4 UniRef90_B0MZT	UniRef90_UPI000350E148	V H A S L D K F M C A V G A V L T A K Y R
UniRef90_P0PV19 UniRef90_CPV19 UniRef90_CPV19 UniRef90_CPV9 UniRef90_CPV9 UniRef90_CPV9 UniRef90_CSWEY2 UniRe	UniRef90_P10059	V H A S L D K F L C A V G L V L T A K Y R
UniRef90_P0PV19 UniRef90_CPV19 UniRef90_CPV19 UniRef90_CPV9 UniRef90_CPV9 UniRef90_CPV9 UniRef90_CSWEY2 UniRe		VHASLDKFLCAVSSVLTSKYR
UniRel90 (GH11.9)	UniRef90_P02104	M Q A A W Q K IL V IA G IV IA T A IL IS H K Y
UniRef90_Q6H1U9 UniRef90_G3WE91 A H A S L D K F L S L V S S V L T S K Y R UniRef90_G3WE91 A H A S M D K F F A S V A T V L T S K Y R UniRef90_G1U3X4 UniRef90_G1U3X4 MQ A A W Q K L V G V V A S AL S R K Y UniRef90_P19889 VQ A A W Q K L V S G V A H AL G H K Y UniRef90_P19889 VQ A A W Q K L V S G V A N AL A H K Y UniRef90_P14523 UniRef90_Q9GLX4 UniRef90_Q9GLX4 UniRef90_QSGLX4 UniRef90_QSGLX4 UniRef90_QSGLX4 UniRef90_QSGLX4 UniRef90_QSGLX4 UniRef90_QSGLX6 UniRef90_QSGLX6 UniRef90_QSGXG2 UniRef90_QSAY07 UniRef90_UP10003F134CF UniRef90_UP10003F134CF UniRef90_UP10003F314CF UniRef90_UP10004T4CF UniRef90_UP10004T4CF UniRef90_UP10005F314CF UniRef	UniRef90 UPI0004442C09	AHEAWDKF MSLVSSVLTEKYR
Juniker90 G3WE21		VIH A SILID K FILISII VIS SIV LIT S K Y R
UniRef90	UniRef90_G3WE91	AHASMDK <u>FF</u> A <u>S</u> VAT <u>V</u> L TSKYR
UniRef90 P02111	UniRef90_P01983	V H A S L D K F L C T V S T V L T D K Y R
UniRef90_Q28932		
UniRef90 Q9GLX4	UniRef90_P18989	V Q A A Y Q K V V A G V A N A L A H K Y
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JiniRef90		I HVAMDKEECGVSLALSEKYR
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Unirage Unir	UniRef90_S9XAF5	V H A S L D K F L A N V S
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Uniref90_Q36PP8		
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UniRef90_L7MZW5 C H A A Y Q K L V N S V A H G L S R R Y UniRef90_G3ICM5 UniRef90_P07428 T H K A L D K F L V S V S N V L T S K Y R W A A S W Q K L T T A V A N S L A H K Y T H K A L D K F L S H V S A A L A S S Y R L V R N S L A H K Y W A N S L A H K Y W A N S L A H K Y W A N S L A H K Y W A S L D K F L S H V S A A L A S S Y R L V R W A N S L A L A S S Y R W A W B K F V A V L V D A L S Q G Y W A L A L S S K Y R W A W D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L S A V A S V L A B K Y R W A S L D K F L A A L S A A L A B K Y R W A W D K F L A A L S A A L A B K Y R W W D K F L A A L S A A L A D K Y R W W W D K F L A A L S A A L A D K Y R W W W D K F L A A L S A A L A D K Y R W W D K F L A A L S D K Y R W W D K F L A A L S D K Y R W W D K F L A A L S D K Y R W W D K F L A A L S D K Y R W W D K F L A A L S B K Y R W W D K F L A A L S B K Y R W W D K F L A A L S B K Y R W W D K F L A B L N L A B K Y R W D K F L A B L N L A B K Y R W D K F L A B L N L A B K Y R W D K F L A B L N L A B K Y R W D K F L A B L N L A B K Y R W D K F L A B L N L A B K Y R W D K F L A B L N L A B K Y R W D K F L A B L N L A B K Y R W D K F L A B L N L A B K Y R W D K F L A B L N L A B K Y R W D K F L A B L N L A B K Y R W D K F L A B L N L A B K Y R W D K F L A B L N L A B K Y R W D K	UniRef90_Q98905	SQAAWTKLVNAVAHALALGY
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UniRef90_UP1000383332B V H A A F D K F L S A V A S V L A E K Y R UniRef90_Q9PVM3 UniRef90_Q9PVM3 V H V S V D K F L Q R V A L A L A E R Y R UniRef90_G5BXY5 UniRef90_P02075 M L A A W L Q L L S N V V L V V T T UniRef90_P80727 UniRef90_UP10003AF4141 V H V A V D K F L A A L S A L S K Q Y UniRef90_UP10003AF4141 UniRef90_P80726 V H V A D K F L A A L S A L S K Y R UniRef90_Q7ZT83 UniRef90_Q7LZM6 V H V A D K F F E Q V S D V L S E K Y R UniRef90_UP10003D0BC8 UniRef90_UP10000F60FEE V C L A W D K F L C Q V N E T L A E K Y R W D K F L C Q V N E T L A E K Y R W D K F L C Q V N E T L A E K Y R W D K F L C Q V N E T L A E K Y R W D K F L C Q V N E T L A E K Y R W D K F L C Q V N E T L A E K Y R W D K F L C Q V N E T L A E K Y R W D K F L C Q V N E T L A E K Y R W D K F L C Q V N E T L A E K Y R W D K F L C Q V N E T L A E K Y R W D K F L C Q V N E T L A E K Y R W D K F L C Q V N E T L A E K Y R W D K F L C Q V N E T L A E K Y R W D K F L C Q V N E T L A E K Y R W D K F L C Q V N E T L A E K Y R W D K F L C Q V N E T L A E K Y R W D K F L A E V A E V M E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S E Q Y R W D K F L A E V A E V M S	UniRef90_A4IGT0	I Q G A WE K F V A V L V D A L S Q G Y
UniRef90_Q9PVM3 V H V S V D K F L Q R V A L A L A E R Y R UniRef90_I1Y928 UniRef90_G5BXY5 ML A A WI Q L L S N V V I V T T A K Y R UniRef90_P02075 UniRef90_P80727 L Q A D F Q K V V A G V A N A L A H K Y UniRef90_Q5BJC7 UniRef90_UP10003AF4141 V H V A V D K F L A A L S A A L A D K Y R V H V A V V S T V L T S K Y R V H V A M D K F L A A L G A A L S D K Y R UniRef90_Q7ZT83 UniRef90_Q7ZT83 V H V A M D K F L A A L G A A L S D K Y R UniRef90_Q7ZT83 UniRef90_UP10003D0BCC8 V C L A W D K F F E Q V S D V L S E K Y R V C L A W D K F L C Q V N E T L A E K Y R UniRef90_UP10003D0BCC8 UniRef90_UP10000F60FEE M H A A W D K F L A E V A E V M S E Q Y R	UniRef90_A7M7S6	VHEAWDKFMSLLSSLLTEKYR
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	UniRef90_Q5EEZ5	A HILIAIVID K FILIN NILIAILIAILIS E K
		MHAAWDKFLAEVASEQYR VHLADDKFLYEVEKALFETYR

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UniRef90_UPI0003334593 UniRef90_UPI0002034AF2 UniRef90_Q6F3D3 UniRef90_Q90486	MLSAREHGHIAQVWDLIAGHEAPFGAELLLRLFTVYPSTK KSTWRNVVPKP WPGLLIVYPWTQ VLTAEDKANVKSAWDHIKGHEEAFGAEALCRMFDSEPVTK WTDAERTAILGLWGKL NIDEIGPQALSRCLIVYPWTQ
UniRef90_P56251 UniRef90_UPI00042C01C9 UniRef90_Q7T1B0	WT D A E R A A I KALWGKI DVGE I G P Q A L S R L L I V Y P WT Q WT A E E R H Y I T A T WD K L NVE E I G S E S L A R L L I V Y P WT Q WT A E E R A E I O D L E S K L N Y E E A G P K A L O R A L L V Y P WT O
UniRef90_P06639 UniRef90_UPI0002740913 UniRef90_D6PVN3 UniRef90_L5KH54	LTAEDKHNVKAI WDHVKGHEEAI GAEAL YRMFCCMPTTR LTKTERAL I VSMWGKLSTQADTI GTETLERLFI TYPQTK WTDFERSTI QDI FSKM QYEVVGPAAL SRCLI VYPWTQ VLSASDTAAVRAL WKKLGNNVGVYTTEALERTFLAFPSTK
UniRef90_G3PL38 UniRef90_UPl0003AFF6E3 UniRef90_O13164	WIT DE RTAI QDI FSKI DYAVVGQAAFSRCLIVYPWTK
UniRef90_G3WE01 UniRef90_UPl00046B0B98 UniRef90_W5MLZ3 UniRef90_O13163	WFSAEEQSHIVQIWNYLSGHEAIFGTELLQRLFTVYPSTK LTNTERTITKSMWGKLSTQADMTGTETLERLFQSYPQTK MTTASFKAIVSSIWKKAADFTFFWGFDAILTRITTVFPQTK
UniRef90_P83272 UniRef90_UPI0002B493D5 UniRef90_Q98UB8	WSDKERAVIISIFA GLDYEDIGPKALSRCLIVYPWTQ KQLITGLLGKV NVPECGGEAPADRLPLDPEVS WTDFERSTIODIESRIEVDV VGPAANARCIVVYPWTO
UniRef90_UPI0004419454 UniRef90_Q8JIM9 UniRef90_S7N030 UniRef90_S9YCX3	WSAEEKQLITALWNKV DLAEIGAATLAKMLVMFPWTQ WTEQERSLITNIFGNL DYEDVGSKALSRCLIVYPWTQ RRLFASYPQTK VLAAEDRAAVRALWRKLGSNVHVYTTEALERTFLALPSTK
UniRef90_P07429 UniRef90_UPI000328AF02 UniRef90_H2LKN8	LTAKERQLITGTWSKLCAK TLGKQALGSMLYTYPWTQ RRMFASFPSTK WSDFERATIQDIFSKIDKDV VGQAALSRCLIVYPWTQ
UniRef90_P84611 UniRef90_C1BZ27 UniRef90_C1BLE4 UniRef90_P10784	WT TAERSAIL LIGIL WGK PNADEI GT QAFILR CLVV FP WT Q WT EFERT TI TSI FAKI DY DK V GP KALSRTLV V YP WT Q
UniRef90_Q1AGS7 UniRef90_P86919 UniRef90_W5KM05	WTATERTHIEAI WSKI DIDVCGPLALQRCLIVYPWTQ FNPHEKQLIGDLWHKV DVAHCGGEALSRMLIVYPWKR WTEFERNFILREIFSKI KYFDVGPKSICRALIVYPWTO
UniRef90_G5CUP5 UniRef90_P23741 UniRef90_K7F490 UniRef90 P23017	WSDAERAAITSWWEKI DVNEIGPQALTRLLIVYPWTQ WTETERATIETVYQKL HLDEVGREALTRLFIVYPWTT LSDAEKKVIQETWSRVYTNCEDVGVSILIRFFVQFPSAK WSKTELTLINDIFSHL DYDDIGPKALSRCLIVYPWTQ
UniRef90_F6KMG8 UniRef90_S9YMZ9 UniRef90_P07408 UniRef90_UP10002C64E9A	WSKTELTIINDIFSHL DYDDIGPKALSRCLIVYPWTQ WTDKERATIQDLFSKI DYDAVGQATLCRCLIVYPWTQ LTKAERTIVVSMWGKIATQADVIGMEALERLFSSFPQTK VLSAADKTAIKHLTGSLRTNAEAWGAESLARMFATTPSTK WKKLGGNVGVYTTEALERMFLSFPSTT
UniRef90_K4FYM0 UniRef90_K7FZS0 UniRef90_Q9I977	VLSKTDKALLSSSÜGKLQAQÄT GSDVLARMFÄSFPQTK MFTTYPSTK WSDAERAALVSLWGKL DVGELGPQALSRLLIVYPWTQ LTEAQRGALVNLWGHLSPD ELGPQALARLLIVYPWTQ
UniRef90_P14521 UniRef90_P02015 UniRef90_B3EWR8 UniRef90_P02202	LSGEDKANVKAVWDHVKGHEDAFGHEALGRMFTGIEQTH WSSSERSVISGLWAKV NAAEWGPQALARLVVVYWT USDDEWNHVJGLWAKVEPDITAHGOEVJURLEOUHPETO
UniRef90_Q33CJ7 UniRef90_C1BYK4 UniRef90_Q6DEW1	FINDERQQII HDAWAKLI HADQVGGEALLGRLLYVNPWIR WTAAERKAI ASVWGSI SAD EI GPQSVARLLIVFPWTR TESERGVIKETWARVYANCEDVGVSI I JREEVNEPSAK
UniRef90_M3ZD90 UniRef90_F6YXK6 UniRef90_P02196 UniRef90_UPI0003D0F472	LSDKDKSRVKALWAKAEGKAGELGGEALGRMLVAYPQTK ERKAVQDTWARLYANCEDVGVAILVRFFVNFPSAK LSDGEWQLVLKVWGKVEGDLPGHGQEVLIRLFKTHPETL
UniRef90_UPI0004440508 UniRef90_UPI000394614B UniRef90_W5L8V9 UniRef90_G1KST1	LSAGDEAL VRALWRKMGSNVGVYTTEALER VLAFPSTR WTDFERATIKDIFSKI DYEVVGPAAISRCLIVYPWTQ LSDLECNIVQNTWARVYESCEDVGVAILIRFFVNFPSAK LSDQEWQKVIDIWGKVEPEIPAYGQVVILRLFEQHPETQ WTDFERATIQDIFSKM DYESVGHNALARCLVVYPWTQ
UniRef90_UPl000440D4A8 UniRef90_P86874 UniRef90_G1PMI1	WT DFERATIQDIFSKM DYESVGHNALARCLVVYPWTQLSDQEWQHVLTLWGKVESDLAGHGHEILMRLFHDLPETLLSDAEWQLVLNAWGKVEADLPGHGQAVLISLFKGHPETQLTDKERVMIQDSWAKVYQNCDDAGVALLVRLFVNFPSSK
UniRef90_Q575T0 UniRef90_Q6F3D1 UniRef90_UPl00035976AF UniRef90_Q8BYM1	LTAEERK DIVIGAILLIGKIVI NIVIDALLIGGQ <mark>C</mark> LARILMICIVIY PWSR VLSANDKSNVKAAFGKILGGQADEYGAETLERMFATYPQTK SQDDQWLVLIAILWKKMGSNVIGITYTTEALERTFIVIAFPSTK
UniRef90_V5N4H6 UniRef90_G3MZ21 UniRef90_P02200 UniRef90_UP100042BDA80	L M E E E R V T I T N T WA K V Y E N K E A A G V A V L I R L F T S F P S T K M L S A E E K A A V T S L F A K V K V D E V G G E A L G R L L V V Y P W T Q L S D Q E W K H V L D I W T K V E S K L P E H G H E V I I R L L Q E H P E T Q M F T V H P Q T K
UniRef90_R4GDF7 UniRef90_K7FYS7 UniRef90_UPI00042BFA97	MSDAEKKMI QETWNTVYAK <mark>C</mark> EDVGVSLLIRFFVNFPSAK VLTA <mark>C</mark> DKTNVKAVWTKVSGHLEDYGAETLERMFATYPSTK VLRRADKPNVKPVWSKU QGHUEDYGSETLERMFOVFPOTK
UniRef90_P07409 UniRef90_L8HMV9 UniRef90_H3D213 UniRef90_M7BE56	WT GEEKAL VN AVWTK TDHQAV VAKALERLEV VYPWTK RLL V VYPWTQ RLL V VYPWTQ
UniRef90_E9PFT6 UniRef90_B7UCU6 UniRef90_B3F9U2	L T D A D K K N I Q H I WA K L F E N PE E N G K T I V I R L F T D Y P E T K L T P E E K T A V N A L W G K V N V D A V G G E A L G R L L V V Y P W T Q F T E E D K A T I T S L W G K V N V E D A G G E T L G R L L V V Y P W T Q L S S K Q K A T V K D F F S K M S T R S D D I G A E A L S R L V A V Y P Q T K D W D L I N K V W A K V E E G L A G N G Q T V L L R L F E E H P E T K
UniRef90_K4G4N4 UniRef90_M3ZCQ3 UniRef90_H2ZWU1 UniRef90_M4QW49	LTDAEKATVNGLWGKV NPVEIGAESLASLLIVYPWTQ LSDAEVQTARDVWGQIYANAEENGTIILVRMFTEHPDTK LTEDDVCVIQDTWRPVYENRENAGVAVLIRFFSNFPSAK LTEADKKNIRCTWAKLFENPEEHGKSLVIKLFTDYPETK
UniRef90_UPl0003C28C4F UniRef90_F6R663 UniRef90_UPl0003EC261F UniRef90_C8XFI9	LLTEADKKNIRCT WAKLFENPEEHGKSIVIKLFTDYPETK MFLGFPSTT FTAEEKAAVASLWAKV NVEVAGGEVLGRLLVVYPWTQ MLSDRSRPIIKATLAPVAGNIDQLARRFYEHMFGAHPDLL

	FO 60 70 80
UniRef90 G8DP13	50 60 70 80 TYFAE <u>W</u> DLTPQSQK V GHHGGV MGA V GMG V KY VTLTEA M
UniRef90_B5X681	TYFAHII DII IRPRSTHII IRSHGKKII VI IAII IAF <mark>C</mark> SKDII ISSMMIVITII I
UniRef90_UPI0003334593 UniRef90_UPI0002034AF2	I Y F G H L S A S L D E T M L L S H G Q R M L T A V G V A V Q H V H N L R A A L R F F A S F G N L M G N P R V R A H G K K V L S S F G E A V K N L D N I K N T Y
UniRef90_0F10002034AF2	T Y F G G K DII IS F F S S Y II I <mark>H S H</mark> G K K IV IM <mark>C</mark> A II IT N A IV IA H II ID N II IF A <mark>C</mark> II I
UniRef90_Q90486	R Y F A T F G N I M G N P K V A A H G R T V M G G L E R A I K N M D N V K N <u>T</u> Y
UniRef90_P56251	RHFKGFGNISGNAKVAEHGKTVMGGLDRAVQNMDNIKNVY
UniRef90_UPI00042C01C9 UniRef90_Q7T1B0	K F F E D F G N L H N T R V H D H G K K V L N S F G S A V K N M D H K E S F R Y F G S F G N L Y N N P K V A A H G T V V L H G L D R A M K N M D D I K N T Y
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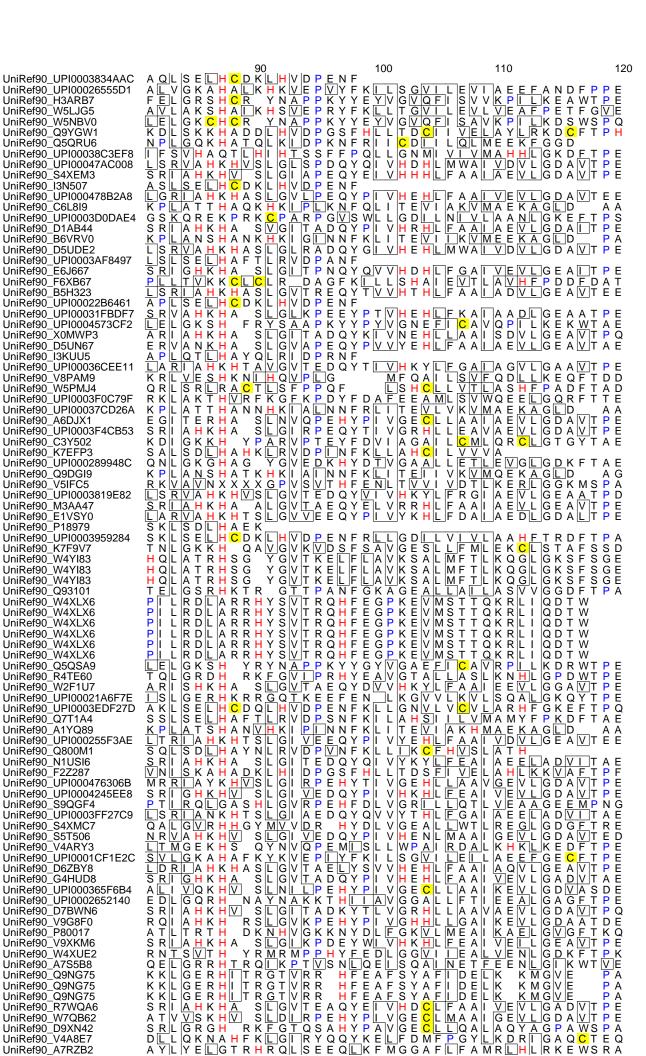
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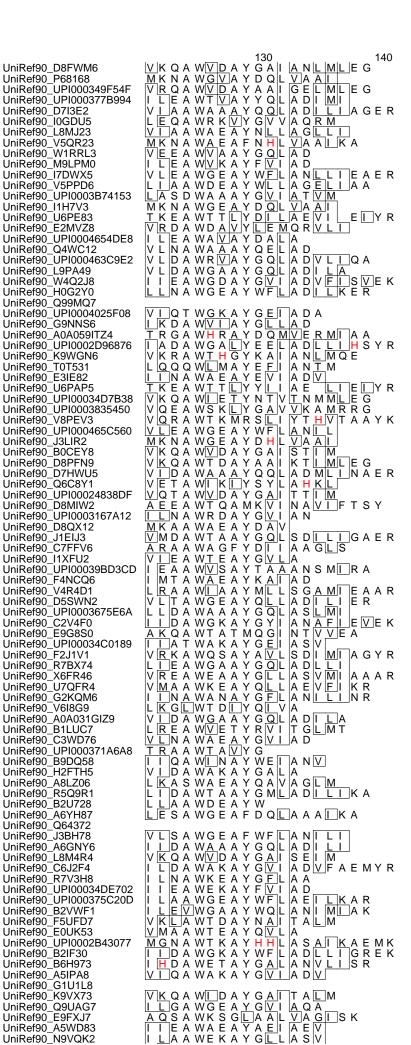
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UniRef90_E9IBK1 UniRef90_Q5AX11	PRLARIHV AYGVSAAAHYTPEGAALLWTLERELGAAWTPEPLLKDLGAAHYTPEPLLKDLGAAHYTPEPLKOLGAAHYGTVAEYYPLVGDLLLQTFADYLQADWTPEKOLGAAHYGTVAEYYPLVGKYLLIAIKDVLGDAAATPDRQLGRAHARSIGIKPEHYPLVGKYLLIAIKDVLGDAAATPDRQLGRADHRKFGVVAGHYEAVGTALLASVKKFAGKAWTTQASRIGHKHASLGITADQYQVVHDNLFAAIVEVLGAEITDASRIGHKHASLGITADQYQVVHDNLFAAIVEVLGAEITDASRIGHKHASSLKIKPEHYPLVGQALLBSIKEVLGADVTEPQDLGRRHAKYYKVTSPMFDTVGAALLDTLEKGLGADVTEPQDLGRRHAKYYKVTSPMFDTVGAALLDTLEKGLGGAATDDRKVAATNHVRHPTISGAQFEHMGQAVVEVLAEKLGSAAMNHQEQELGADHRKFAVRAEHYPAVGQALLATLRHFLAEAWTDEQELGADHRKFAVRAEHYPAVGQALLATLRHFLAEAWTDEQELGADHRKFAVRAEHYPAVGQALLATLRHFLAEAWTDEQULGRADHRKFGLQAAHYEAVGTALLGALKHQLGPAAYTREERAAGKAWTPEERLAQKHVG	
UniRef90_Q7NTW7 UniRef90_G6EZ51	RKLAQRHVD YGVKPGDYTPVGNALLWTLKQGLGEAWTQE VHIAHKHVT TSIRAEHYPTVGKHLIASIKEVIGDAATDE	
UniRef90_Q7S074 UniRef90_UPI0003776242	ARI AHKHV SLQVEPAQYAI VGQYLI QAI GKVLGDAATPE	
UniRef90_K9SL27 UniRef90_UPI000388D823	K GL GARHU K Y GALPAH Y PL V GNAL L A TLE QYLKAD WT PE	
UniRef90_V4C2N0	ANFTEKHKNRGQTQKQFEN LKQMMLDVFPSVFGKQYTPEERICHKHKNRGQTQKQFEN LKQMMLDVFPSVFGKQYTPEERICHKHKNRGQTQKQFEN LKQMMLDVFPSVFGKQYTPEERICHKHKNRGQTQKQFEN LKQMMLDVFPSVFGKQYTPEERICHKHKNAGGLGEAWTQEVHIAHKHVD YGVKPGDYTPVGNALLWTLKQGLGEAWTQEVHIAHKHVT ISIRAEHYPIVGKHLLASIKEVLGDAATDEEALAIRHVG YGVRDEHYNVIGQSLIWTLEQQLGEAFTPEKGLGARHV KYGALPAHYPLVGNALLATLEQYLKADWTPENPLGKKHAMQLKVDPKNFRIICDIILQLMEEKYGGDGLRKGLGSRHV KYGALPAHYPLVGNALLATLEQYLKADWTPENPLGKKARNHKSLGKSRFEQLRGIFGNFLDTSLGGKKNTPEAQICSRHV MYNAKVDPFNVGACLLRAIREVLGAETTDAKYLGSRHV MYNAKVDPFVVGACLLRAIREVLGAETTDAKYLGAIHLKNGVIDPHFEVVKQALLRTIEEASGDKWSEESQIVNKHV ALQVLPEHYPIVGSCLLRAIREVLGAETTDAKYLGAIHLKNGVIDPHFEVVKQALLRTIEEASGDKWSEESQIVNKHV ALQVLPEHYPIVGSCLLRAIREVLGAETTDAKYLGAIHLKNGVIDPHFEVVKQALLRTIEEAASGDKWSEESQIVNKHV ALQVLPEHYPIVGSCLLRAIREVLGDAAATPERQIGHKHRALQIKPEHYPIVGSKLLRAIREVLGDAAATPERQIGHKHRALQIKPEQYPIVGKHLLAIKKDVLGDAAATPERQIGHKHRALQIKPEQYPIVGKHLLAIKKDVLGDAAATDEARIANSH LKWHICKYHIENMVPGLLEVLSICMEGKMTEEKKLGATHMNSGVID EHFEVVKFAALLETIKDAVPEMWCPEQELGRRHV AYGVGEAHFAPVGEALLWTLQQGLGPAFTPETRIVHKHV	
UniRef90_V4BDN7 UniRef90_C1DMB8	A QI VNKHV SLQVLPEHYPI VGACLLRAI REVLGAETTDA	
UniRef90_K4PYU2 UniRef90_I6ZHS6	SQL VNKHV ALQVLPEHYPI VGSCLLRAIREVLGSEVTDE	
UniRef90_J7RE58 UniRef90_I2H241	G H V R Q F K H R A L Q K P E H Y P V G E Y L K A K K T L G D A A T P E P Y V R Q Q K H R A L Q K P D Q Y Q V G K Y L L A K E V L G D A A T P E	
UniRef90_A4INU4 UniRef90_A0A016U3Y1	RQII GHKH RSLLGII KPEQYPII VGKHLLLAI KDVLGDAATDE ARII ANSH LKWHII CKYHII ENMVPGLLEVLSII CMEGKMTEE	
UniRef90_M0SSS5 UniRef90_B0UPW9	KKLGATHMNSGVID EHFEVVKFALLETIKDAVPEMW <mark>C</mark> PE QELGRRHV AYGVGEAHFAPVGFALLWTUQQGUGPAFTPE	
UniRef90_E3HL11	TREVHKHV SLGLRPEHYQFVGKHLLASLSEVLGEAATDE	

UniRef90_E3HL11

UniRef90_D8FWM6 UniRef90_P68168 UniRef90_UPl000349F54F UniRef90_UPl000377B994 UniRef90_UPl000377B994 UniRef90_D7l3E2 UniRef90_L8MJ23 UniRef90_V5QR23 UniRef90_W1RRL3 UniRef90_W1RRL3 UniRef90_I7DWX5 UniRef90_UPl0003B74153 UniRef90_UPl0003B74153 UniRef90_UPl0003B74153 UniRef90_UPl0003B74153 UniRef90_UPl0004654DE8 UniRef90_UPl0004654DE8 UniRef90_UPl000463C9E2 UniRef90_UPl000463C9E2 UniRef90_UPl000463C9E2 UniRef90_UPl0004025F08 UniRef90_UPl000403E508 UniRef90_UPl000403E508 UniRef90_UPl000403E508 UniRef90_UPl0003B876 UniRef90_UPl00034D7B38	1
UniRef90_UPI0003835450 UniRef90_V8PEV3 UniRef90_UPI000465C560 UniRef90_J3LIR2 UniRef90_BOCEY8 UniRef90_D8PFN9 UniRef90_D7HWU5 UniRef90_Q6C8Y1 UniRef90_UPI00024838DF UniRef90_UPI0003167A12 UniRef90_UPI0003167A12 UniRef90_J1EJJ3 UniRef90_J1EJJ3 UniRef90_J1XFU2 UniRef90_UPI00039BD3CD UniRef90_UPI00039BD3CD UniRef90_UPI0003675E6A UniRef90_UPI0003675E6A UniRef90_UPI00034C0189 UniRef90_E9G8S0 UniRef90_UPI00034C0189 UniRef90_E9G8S0 UniRef90_UPI00034C0189 UniRef90_UPI000371A6A8 UniRef90_BDQ58 UniRef90_BDQ58 UniRef90_BDQ58 UniRef90_BDQ58 UniRef90_R5Q9R1 UniRef90_R5Q9R1 UniRef90_R5Q9R1 UniRef90_B2U728	WLFDLDPDLL SEQTVAIVKATVPALNAHGLDVNEMYSRLF QNPEIR FTEEQEALVIKSWNIMKDDSANIGHRFFLKIFELAPSVR QVELLETSFAQVKPVANEFARFFLKIFELAPSVR MLSTAHRDIIKATVPALLETGGEALTTHFYREMLDEYPAVK MTKEELELTQKVSDLMSDPAYGT PTALFCPYTN QVELLESSFKLVAPPGGDALVTRFYERLFEKYPAVK MTKEELELTQKVSDLMSDPAYGT PTALFCPYTN QVELLESSFKLVKPAPPGDALUTHFYREMLDEYPAVK MTTRHRTAIIYRTWDLVRPNPKLHGINNLFELTMFQEEPVLQ SABSKELVKDSWRVLKRDAGTHATAFFLKIFELAPTAK MLTNYQKEIIKSTAPVLREHGGGEALTTYFYKMLLAEHPELL SABSKELVKDSWRVLKRDAGTHATAFFLKIFELAPTAK MLTNYQKEIIKSSFSVVPLLEQGGEALTTYFYKMLLAEHPELL SNAQKAAIKASWA PETFDLIRQTVPVLEQGGEALTTYFYKMLAAEHPELL MNTRGGEAPTAK SNAQKAAIKASWA PETFDLIRQTVPVLEQGGEALTTYFYKNMLGEHPELL MTPGDIELVKSSSSVAVA PETFDLIRQTVPVLEQGGEALTTYFYKNMLFHNNPELL MMTPGDIELVKATVPALEQNGVTITKTTFYKNMLGEHPELL MTPGDIELVKSSSVAVA MLSVKTKNIVKATVPALEQNGVTITKTTFYKNMLGEHPELL MTPGDIELVKSTSPVLEQNGGELTSYVVHLAAEHPELL MTPGDIELVKSTSPVLEQNGGETALTTHFYQRLFFTHYPDLKK MLSVKTKNIVKTSFQAILVRATAPPLLEGNGGTTHAPPELLK MTPGDIELVKSTSPVLREHGVALTAPPLKKRFYVELLEEKAPPDLKK MMTPGGIELVKATVPALEQNGGVTTTTKTTFYNRMFTTHPPELKK MLSVKTKNIVKTSFQAILVRATAPPLLEGNGGTTHAPPELKK MLTARQUELVQOSTAPPVLKEHGVALTTHFYQRLFFTHYPDLKK MTPGQIELVKATVPALKEHGVALTTHFYQRLFFTHYPDLKK MTTEQKQLIKKATVPALKEHGVALTTHFYQRLFFTHYPDLKK MTTEQKQLIKKATVPALKEHGVALTTHFYQRLFFTHYPDLKK MTPGQTRLVQOSTAPPVLKEHGVALTTHFYQRMFTHAPPELVK MTPGQTRLVQOSTAPPVLKEHGVALTTHFYQRMFTHAPPELVK MTPGQTRLVQOSTAPPVLKEHGVALTTHFYQRMFTHAPPELVK MTPGQGRAAIITTAPPELKK
UniRef90_A6YH87 UniRef90_Q64372 UniRef90_J3BH78 UniRef90_J3BH78 UniRef90_L8M4R4 UniRef90_C6J2F4 UniRef90_R7V3H8 UniRef90_UPI00034DE702 UniRef90_UPI000375C20D UniRef90_B2VWF1 UniRef90_E5UFD7 UniRef90_E0UK53 UniRef90_UPI0002B43077 UniRef90_B2IF30 UniRef90_B2IF30 UniRef90_B49V3 UniRef90_A5IPA8 UniRef90_A5IPA8 UniRef90_G1U1L8 UniRef90_G1U1L8 UniRef90_G9UAG7 UniRef90_UPI0002B4307 UniRef90_UPI0002B4307 UniRef90_A5IPA8 UniRef90_A5IPA8 UniRef90_A5IPA8 UniRef90_A5IPA8 UniRef90_B1U1L8 UniRef90_B1U1L8 UniRef90_B1U1L8 UniRef90_B1U1L8 UniRef90_B1U1L8 UniRef90_B1U1L8 UniRef90_B1U1L8	FSEQQEALVVKSWSVLKSNSEELGAKFFLKIFQLAPAAQ LLIVYPWTQ LTETTKALVRATVPALAEHGTEITAAMYKRLFENAEVR STEQKHWIKATIPALEQGGEALTTHFYKLMFSKYPVTA QVELLEESFEAIKPQANEFVNSFYENLFTANPEAK MLDSKTIEIIKSTVPVLEVHGQTITKTFYQTMFKNHPELL LSEQTIQIVKATAPVLAEHGETITRHFYQQMFSQNPELL LDKRTTEIIKTTVPVLKEHGETITRHFYQQMFSQNPELL LDKRTTEIIKTTVPVLAEHGETITRHFYQQMFSQNPELL LTPSQVQTIKSTVPVLAEHGETITRHFYKLLENNPEL LSANTIALVKATVPALAQHGSAITTRFYEDMLTAHPELQ ELLEQSFEKIKPRADEFAASFYEKLFTYHPELK SQQTIDIVKSTAPLIKQHGQQITTRMYEIMFRNHPELQ FTEKEESLVKESYEVLKKDMPFYSLHFFTQILEIAPAAK LTPGQIEIKATIPVLEEHGGTISSVFYQTLAEHPELL LTPGQIEIKATIPVLEEHGGYTISSVFYQTLAEHPELL LTPGQIEIKATIPVLEEHGGYTISSVFYQTLAEHPELL LTPGQIEIKATIPVLEEHGGYTISSVFYQTLAEHPELL LTPGQIEIKATIPVLEEHGGYTISSVFYQTLAEHPELL LSDAEWQLVLNVWGKVEADLAGHGQEVLIRLFHTHPETL LSCQSFEKIKPHADEFAASFYENLFQLYPEVQ LSSQQSISIIKATVPVLEEHGGVNITTFYRNMFKANPPLL LSSHDRSVIRKTWDQAKKDGOVNITTTFYRNMFKANPPLL LSSHDRSVIRKTWDQAKKDGOVNITTTFYRNMFKANPPLL MLSSHDRSVIRKTWDQAKKDGOVNITTTFYRNMFKANPPLL

UniRef90_D8FWM6 UniRef90_P68168	50 60 70 80 PLFANANMAEQKKKLIASLVLVIQNLRK PDALTGAL NLFSYLKDSPQNPKLKPHATTVFVMTCESAVQLRKAGKAT
UniRef90_UPI000349F54F UniRef90_UPI000377B994 UniRef90_D7I3E2 UniRef90_I0GDU5	PLFAHTNM KEQRKHLFSSLVLVVNNLRKPDVLSDAL N TFNMGNQANGRQKSALANAVLAY AENIENPGVLIGAL PLFNQANQANGS QPRALANGVLMYARN I DRLENLGGPA PMFP ADLSVLKQDFISKLAMLVGSLDPTTGLLGGA
UniRef90_L8MJ23 UniRef90_V5QR23 UniRef90_W1RRL3	PLIFNQAHQASGD QARALLANGVLMYARH IIDQLEQLGPLV KMFSFVRDSDQNQKLKGHAMSVFVMTCKAAQLRKAGKVTF N VFNMTHQKTGGQPAALFNAIIAAYATH IIDNLDVLTGAV
UniRef90_M9LPM0 UniRef90_I7DWX5 UniRef90_V5PPD6	N F N H A N Q R Q G R Q S Q A L A R A
UniRef90_UPI0003B74153 UniRef90_I1H7V3 UniRef90_U6PE83 UniRef90_E2MVZ8	ELFPFLIRNSDANPKLIKTHAVSVFI MTCEAAAQLIKKRETTL RLWPQFRGI PDSSELRRHASVYI CGITAII RSMSEFANHM ADTFNRGNOKOGAOOKAI AASVATFAATI VDPDAPAPFFI
UniRef90_UPI0004654DE8 UniRef90_Q4WC12 UniRef90_UPI000463C9E2	NI F N M A N Q A Q G E Q S K A L A E S V F MY A S Y I D Q L D Y L T P M V N L F N T A H Q A T G E Q P A A L A H A V W A Y A S N I D Q P E A L S T A V
UniRef90_L9PA49 UniRef90_W4Q2J8 UniRef90_H0G2Y0 UniRef90_Q99MQ7	PIFNQANQADGNQQ RALANAVL MYAKNI ERLEQLGPLV HIFNHVNQKQG KQPQALANTV YAAAQYI DNLEAI LPVV SLFNHANQGEGGSQVHALAAAI LGYAKN I ENLSALGPVI RFFDKFGNIMGNPRIRAHGKKVLTSLGLAVQ DMFNQ PNHKQGLQSTALAASVVAAAQHI EDLTPLV NYFSLRNQQTGAQQI ALSNAVLAAAI H I ERLQDIAGAV
UniRef90_UPI0004025F08 UniRef90_G9NNS6 UniRef90_A0A059ITZ4	
UniRef90_UPI0002D96876 UniRef90_K9WGN6 UniRef90_T0T531 UniRef90_E3IE82	PILIFAYIHII EVIQEKKILI III ALVLVI NNLRKILII YILKNI L
UniRef90_U6PAP5 UniRef90_UPI00034D7B38 UniRef90_UPI0003835450	NIFNH ANQKQGRQQKALAAAVYAAAKHIDHLETIL QVWPQFRAIPDSSELRRHASVYMCGLGAIIHSMNDLAIQM RLFAK TDMKNQEKKLLNSLVLLVESLRQPIILK PLFQYNCKQFASPQFLDHIRKVMLVIDAAVSHLENLSCYL MERSLQLRKHARRVMGAINSVVENIYDVSSVL
UniRef90_V8PEV3 UniRef90_UPI000465C560 UniRef90_J3LIR2	QLF S FLC N S D N N P KLR A H A M S V F V M T C E A A A Q L R E R D T T L
UniRef90_B0CEY8 UniRef90_D8PFN9 UniRef90_D7HWU5 UniRef90_Q6C8Y1	PLFKNASISEQKKKLLASLVLVIQN LRHPEKLTPVL PLFNQANQASGAQPRALANAVLMYARN I DRLENLGPLA LMASHAELASIFPSIKRQSVAVAGVFGLAIERIEEMDEFL
UniRef90_UPI00024838DF UniRef90_D8MIW2 UniRef90_UPI0003167A12 UniRef90_D8QX12	PLF EGTDMEKQGGKLLQSLVLVIENLDALSNAL TRFKGFEELKNSKRLAAHGTTVVMAITAMVDNLEDVSVLV NIFNQANQKQGKQQL ALANSIIAAAEH IEQLEEIMPVV QLFSFMRDSTANPHLKSHALVVFTMTCEAAILLGALRPKL
UniRef90_J1EIJ3 UniRef90_C7FFV6 UniRef90_I1XFU2	PF FNETHQAKGDQPRALANGVLMYAKH II DRLEAMGPLA YANFNLGADPHGAKSQAQGLRVMQFVNQCVSSI DNMAI VQ AFFNPAHQHSGAQQRALAATII CAYARH II ENFDQLQQLI
UniRef90_UPI00039BD3CD UniRef90_F4NCQ6 UniRef90_V4R4D1 UniRef90_D5SWN2	A MEPPA MOVOR DRUFG ALLARUVIWS LDSPDGLDSYL
UniRef90_UPI0003675E6A UniRef90_C2V4F0 UniRef90_E9G8S0	N I F N K V N Q Q K G K Q F I A L A M I V L A A A K N I D D L S V L M F A V L L F A V R G L E R P Q T L L A Y A T H I E N L A V L L P A V T V F N P A H Q Q S G R Q S M A L A N A I V A Y A T H I E N L A V L L P A V T V F D M A N Q E S G R Q P L A L A S A V L A Y A Q H I D N P S V L E P A L N N L F N Q T N Q K R G L Q Q K A L G Y A V Y A A G E Y I T N L D A I K P V I P M F P T L A N V P N N A A L K T L S V N V L S K L S E L I D G M D G L N A Q L N M F N Q T N Q K K G L Q S T A L A Q S V L A A A I N I N D L T R I M P V V P L F R A D L R S Q E R K L A E A L T A V V D M L S S L Q L I L N L F N Q V H Q A R G H Q Q K A L A G A V L A Y A E H I E N P A V L L P A V A L F P V T D M T K Q G A K L A S A V L A Y A E H I E N P A V L L P A V A L F P V T D M T K Q G A K L A S A V L A Y A E H I D D L F A L K S M V A L F P V T D M T K Q G A K L A S A V L A Y S S A T H L D D L F A L K S M V
UniRef90_UPI00034C0189 UniRef90_F2J1V1 UniRef90_R7BX74 UniRef90_X6FR46	N MFNQTNQKKGLQSTALAQSVLAAAIN INDLTRIMPVVPLF RADIRSQERKLAEALTAVVDMLSSLQLILNLFNQVHQARGHQQ KALAGAVLAYAEH IENPAVLLPAVALFPVTDMTKQGAKLIAS LGFVVHGLDRADTILPTV
UniRef90_U7QFR4 UniRef90_G2KQM6 UniRef90_V6I8G9	PFFNPAHQKSGSQQRALAAAII DNLEVLGNAV
UniRef90_A0A031GIZ9 UniRef90_B1LUC7 UniRef90_C3WD76 UniRef90_UPI000371A6A8	PYFNQAHQHSGDQQ RALLANGVLMYAKH I DKLDALGDLV SLFPD DMTAQKRKLVAMLALAVSNLDALGDLV RAMFDPFKQKDGSQPKALAMTVLAAAQN LFNLALIAPAV
UniRef90_B9DQ58 UniRef90_H2FTH5 UniRef90_A8LZ06	ALF RAPIAEQGERLMNMIDIAVRGLGRLDSLLRNMFNQTNQKKGLQSTALAQTVLAAAAN I ENLGSI MPVVD VFNLSHQKTGRQPAALFAAVLAYAKN I DNPAVLSAAVTMFPVNMQYQEDKLLAA LGHI ITSLDDSAALTAFT
UniRef90_R5Q9R1 UniRef90_B2U728 UniRef90_A6YH87 UniRef90_Q64372	T MF PVN MQY QE D K L LA A L G H I T S L D D S A A L T A F T NVF N QA H QA R G A QQ QA L A A A V L A Y A QN I E H P E N L L G A V L NVF N M G N QA N G S Q Q Q S L A S A V F A Y A A N H G N N A A L N L F S F L K D S N Q N P K L K P H A A A A V F V L I G E S A T Q L G K A G K V L R F F D S F G D L M S N A K V K G H G K K V I D S F G E G L K H L D N L K G T F E L F N Q S N Q G E G G R Q T K A L A Q A I L A Y A Q N I D N L P A L T G A V T F F N P A H Q E K G T Q P R A L A N A V L A Y A K H L D N P A V L M G A V P L F K T T D M A E Q K K K L L A S L V L V V E N L R K P D A L E G A L N V F N H A N Q R Q G K Q P T A L A N A V Y A A A A H I D R L E E L L N V F N H D N A T N Q K T G R Q Q A A N A V Y A A A N L D N L G V L T A A V
UniRef90_J3BH78 UniRef90_A6GNY6 UniRef90_L8M4R4	ELFNQSNQGEGGRQTKALAQAILAYAQN I DNLPALTGAV TF FNPAHQEKGTQPRALANAVLAYAKH I DNPAVLMGAV PLFKTTDMAEQKKKLLASLVLVVENLRK PDALEGAL
UniRef90_C6J2F4 UniRef90_R7V3H8 UniRef90_UPI00034DE702 UniRef90_UPI000375C20D	NVFNH ANQRQGKQPTALANAVYAAAAHIDRLEELL NLFNATNQKTGRQQAALANAV YAYAANIDNLGVLTAAV RNVFNQTNQRKGAQSKALANTV YAYAANIEKLEEILPHV ALFNHANQGESGAQVHALAGAL AYAQN IDNLGALTPVV NIFNNTHQATGHQAQALAGAL YAYAANIDDLGKLSPAV
UniRef90_B2VWF1 UniRef90_F5UFD7 UniRef90_E0UK53	NI FNNTHQATGHQAQALAGAL YAYAANI DDLGKLSPAV PLFATTDM AKQQKKLISALVLVVENLRSPEALAPVL AQ FDMSAQANGFQPAKLARAVWSYATH IDNLDALKSMV AMFSFLRDSQNNPKLKAHALKVFKMTCEAALQLKEKETTL
UniRef90_UPI0002B43077 UniRef90_B2IF30 UniRef90_B6H973 UniRef90_A5IPA8	SE FNQSHQGDGAQPRAEAMAVEAY AKNI DNEGMEA
UniRef90_G1U1L8 UniRef90_K9VX73 UniRef90_Q9UAG7	N M F N Q T N Q K R G M Q S S A L A Q A V M A A A V N I D N L S V I K P V I E K F D K F K H M K A S E D L K K H G N T V L T A L G I L K K K G H H E A E I P L F A N T E M A K Q Q K K L L N A L V L V V E N L E A L E P V L N L F N H S N Q R E G K Q Q N A L A N T V L Q A A I H I D K L N E L L
UniRef90_E9FXJ7 UniRef90_A5WD83 UniRef90_N9VQK2	NIFNHSNQREGKQQ NALANTVL QAAIHIDKLNELL KMFSKFNELLGNGNFLAQAYTILAGLNVVVQSLSSLANQL DIF NETNQKLGRQQSALATTVLAAAKHLEQLEVL TEVFNLAHQHSGGQPVALFNALAAYAQH IDNLAALTGAV

UniRef90_D8FWM6 UniRef90_P68168 UniRef90_UPl000349F54F UniRef90_UPl000377B994 UniRef90_D713E2 UniRef90_I0GDU5 UniRef90_L8MJ23 UniRef90_V5QR23 UniRef90_W1RRL3 UniRef90_M9LPM0 UniRef90_I7DWX5 UniRef90_UPl0003B74153 UniRef90_UPl0003B74153 UniRef90_UPl0003B74153 UniRef90_UPl0004654DE8 UniRef90_UPl0004654DE8 UniRef90_UPl000463C9E2 UniRef90_UPl000463C9E2 UniRef90_UPPA49 UniRef90_UPQ2Y0	VKESDALHFK KGLSDAKHV RAAKHV QKS KGLSTKH RAKHV QKS KGLINKHV QKS KGLINKHV RAKHV	T G V V N E H F Y G I L P Q H Y Y L Q P E H Y Y L Q P E H Y Y Y G N I Q P E H Y Y Y G N I Q P E H Y Y L Q I K P S H Y Y F Q V A D G G H V Y G N I Q P E H Y Y L Q I K P E H Y Y L Q I K P E H Y Y L Q I K P E H Y Y L Q I L P E H Y Y L Q I Q A E H Y L Q I Q A E H Y Y L G I Q A E H Y Y Y L G I Q A E H Y Y Y L G I Q A E H Y Y Y L G I Q A E H Y Y Y L G I Q A E H Y Y Y L G I Q A E H Y Y Y L G I Q A E H Y Y Y L G I Q A E H Y Y Y L G I Q A E H Y Y Y Y L G I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y Y I Q A E H Y Y Y I Q A E H Y Y Y I Q A E H Y Y Y I Q A E H Y Y Y I Q A E H Y Y Y I Q A E H Y Y Y I Q A E H Y Y Y I Q A E H Y Y Y I Q A E H Y Y Y I Q A E H Y Y Y I Q A E H Y Y I Q A E H Y Y Y I Q A E H Y Y I Q A E H Y Y I Q A E H Y Y I Q A E H Y Y I Q A E H Y Y I Q A	E V T R F A A A A A A A A A A A A A A A A A A	L L Q A I R E V L G A E T T D E L L WS L A R G L G P H WT D E L L E T I K E V L G D A A T D D L L E T I K E V L G D A A T D D L L G A I E A V L G Q A A S P E L I G A I E A V L G D A A T D D L L G A I E A V L G E A A T P E L L T T L K H F L G D Q WT P E L L T T L K H F L D D Q WT P E L L E T I K E A L P A D W S P E V L E V V K E O N D D F D E E L L E T I K E Y L G D A A N D P L L E S I K E Y L G D A A N D P L L V S I K E Y L G D A D W D P L L V S I K E Y L G D A D W D P L L V S I K E Y L G D A D W D P L L V S I K E Y L G D A D W D P L L V S I K E Y L G D A D W D P L L V S I K E Y L G D A D W D D A D B D D D B D D D B D D D B D D D B D D D B D D D D D B D
UniRef90_Q99MQ7 UniRef90_UPI0004025F08 UniRef90_UPI0004025F08 UniRef90_G9NNS6 UniRef90_A0A059ITZ4 UniRef90_K9WGN6 UniRef90_T0T531 UniRef90_E3IE82 UniRef90_UPI00034D7B38 UniRef90_UPI0003835450 UniRef90_UPI0003835450 UniRef90_UPI000465C560 UniRef90_J3LIR2 UniRef90_B0CEY8 UniRef90_B0CEY8 UniRef90_D8PFN9 UniRef90_D8PFN9 UniRef90_UPI00024838DF UniRef90_UPI0003167A12 UniRef90_UPI0003167A12 UniRef90_UPI0003167A12 UniRef90_UPI0003167A12 UniRef90_UPI0003167A12 UniRef90_UPI0003167A12 UniRef90_UPI0003167A12 UniRef90_UPI0003167A12 UniRef90_UPI0003167A12 UniRef90_UPI00039BD3CD UniRef90_T5WN2 UniRef90_UPI00039BD3CD UniRef90_UPI00034C0189 UniRef90_UPI000371A6A8 UniRef90_UPI000371A6A8 UniRef90_UPI000371A6A8 UniRef90_ABLZ06 UniRef90_BBUWF1 UniRef90_BBUWF1 UniRef90_E0UK53	SASYKSKHAK KK AMKHSHAHSKA SSARAA TSHA HAGFSKKK AKA RS GASYKSKHAK KK AKARS GASYKSKHAK KK AKARS GASYKSKHAK KK AKARS GASYKSKHAK KK AKARS GASYKSKHAK KSKRAKA A TSHA GASYKSKRA A TSHA GASYKSKHAK KA A A GOOD AND A CONTROL TO THE RESEARCH A CONTROL TO THE ACT OF THE TOTAL TH	YYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYYY	NYACTTYP ONA AT XCATONACCHAY AY A	PEED PEED PEED PEED PEED PEED PEED PEED
UniRef90_E0UN33 UniRef90_DPI0002B43077 UniRef90_B2IF30 UniRef90_B6H973 UniRef90_A5IPA8 UniRef90_G1U1L8 UniRef90_K9VX73 UniRef90_Q9UAG7 UniRef90_Q9UAG7 UniRef90_A5WD83 UniRef90_N9VQK2	A P I V H K H V A N A L G G A H Q A P Q V M Q H K H R A	LGVLPEHY RGATPIMF LQIKPEHY	PIVGTN EQFGEI PIVGKH	L L A I K E V L G D A A T D E L L A A I K E V L G D V A S D E L L E T M S T V L G D A A T D E L L E A I K D V L G D A A T D E L L E A I K D V L G D A A T D E L L R T V K E G M G E K W S E E L I G A I R A V L G D A A T P E L L R A M K D V L G S A F T K D L L K A I Q D V T G L E E H D P L I T T F E Q Y L Q Q D W T T E L L G A I K E V L Q D A A T D E L T G V L A E E L G S A F N A E L T G V L K E E V L G D A A T D E L T G V L K E E V L G D A A T D E L T G V L K E E V L G D A A T D E L T G V L K E E V L G D A A T D E L T G V L K E E V L G D A A T D E L T G V L K E E V L G D A A T D E L T G V L K E E V L G G E A V T D G



UniRef90_G8WZT4 UniRef90_K9T8Q6	1 DTDADLIRRTMAVVEPIADRTTSHFYALLFLSHPEIR IDLLEQSFESVKQREAEFTTQFYANLFSDYPLVK
UniRef90_K9FBG0 UniRef90_UPI0003789CAC UniRef90_K9T9X7 UniRef90_UPI0002898BF1	MTPNQIALI KATVPVLAEHGNT I TTVFYRNMLEAHPELN MLSTAARPYI EASVPVLQAHGLAITTTFYKNMFNAHPELK DVLEKSFNLVEPRANEFAASFYETLFTDSPEAK MTTEHKELVKATIPVLRENGVLLTKHFYQRMFTHNPELK LSTQSKEIVKASAPILQEHGEKVTQTFYHNLFQAHPELL
UniRef90_UP10002696BF1 UniRef90_UP100040E3AFA UniRef90_S7X5W1 UniRef90_W9YS10	LS PEHQALVKATAPALQANAAALGNRFYEMLFVKAPELL MLAPQTIETVKATAPALQANAAALGNRFYEMLFVKAPELL MLAPQTIETVKATAPALQANAAALGNRFYEMLFVKAPELL
UniRef90_UPI0003B31C0B UniRef90_D5D9L5 UniRef90_A0A044U5A6	QREI I TATVPI L REHGVAL TTHFYKRMFSHHPDLK LSPEHQALVKSTVPVLAEHGVAL TSHFYKRLLNNHPE L MLAPQTIETVKATAPAI QANAAAI GNRFYEMLFVKAPE L ISI VKSTVPVLEQHGQALTTRFYEMLFEQYPSLK LTQKQKYLLTKNWKGI DREVCAAGVEMFLKMLSTHPEYY MLQQRHIDLI KSLVPLLTETGPALTDHFYSRLFTHPELK
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UniRef90_G4ZN81 UniRef90_F0SL04	MASTQTIEI I KATVPVLEEHGTAITKVFYKNMFIEHPELL LTEKQEVLVKESWEI LKQNIPEYSIRLFLRIMEVAPQAK MLDEKTIKIVKSTAPVLKEHSHEIGKRFYELLFSKVPE MSANTIALLKATAPVVKEHGTEITSNMYRIMFSEFPEVQ DIPQLRDSFGLIAPRADQFAKSFYDRLFADHPELR LTESQAALVKSSWEEFNANIPKHTHRFFILVLEIAPAAK
	LTESQAALVKSSWEEFNANLPKHTHRFFILVLEIAPAAK LSKESEAIVKATAAVVAENAVAITSNFYPRMFAAHPELL MLDPAHQDLIRSSFQRLRCRPEALALDFYGILFRDQPSLR LSPEQVNIVKASVPILKASGQELTKNFYQKMLSSYPEVK LSAKTIEIVKATAPIVAANAEAITSTMYKIMFTNHPEIK LSEEEEGGLVVESWKLMKKDAGDWGLKLFLRIFEIAPSVT
UniRef90_A5DQY8 UniRef90_B6BLR1 UniRef90_S8CU33 UniRef90_Q0UPY5	L S A K T I E I V K A T A P I V A A N A E A I T S T M Y K I M F T N H P E I K L S E E E G L V V E S W K L M K K D A G D W G L K L F L R I F E II A P S V T L S P S Q V Q I I K S T V P V L A Q H G E A I T A K F Y T D L L T A N P S L K
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UniRef90_G7YFM1 UniRef90_E4NEB0 UniRef90_UPI0003B65E92	LTAKQKYTMVASWKGISRAMETTGITMFIKLFEEHADLL FSETQEELVLRSWRAMKKDSESIALKVFFRIFEIAPGAK FSEFEQDVLLSTWPLIASDLYTHGCMVFKNALHLFPDLA DPAVIRASFAVVERRADQLTKFFYAHLFTNNPGVE LSAETIARVQASVPALEKHGAAITSAMYTKLFE DPVIA
UniRef90_UPI0004226736 UniRef90_Q5YNI4 UniRef90_UPI00037E95AB	MLSHPD VVRATLPAVRAHAVQITDRFYAALFAAHPELL ALIRTTFKAVAADPDELARTFYALFTDHPQIR LSPQPYVLVEASAAVVAEHANALTGVFYPTMFEAHPELL
UniRef90_UPI000368FE1D UniRef90_O81941 UniRef90_S1STT9 UniRef90_J3DHZ5	D S E L I G A S M A E L E R S A D S A T A Y F Y A L L F V Q Y P H L R F S E K Q E A L V K E S W E V M K Q D I P A L S L Y L Y A M I L E I A P E A R E L A A H F Y S I L F S R Y P Q V R M L D A Q T I A T I K S T L P A I A Q I G P Q L T G H F Y Q R L L T Q H P E L K
UniRef90_33DH23 UniRef90_K6WGP8 UniRef90_A9L475 UniRef90_Q49UL6	DKQLLEESLTLVDLPDSGLTVRFYDLLFERYPAVK
UniRef90_R7QRC5 UniRef90_C4USF5	T P E T I A I V K S T V P I L R E N L T E V I T R F Y E N L F S T Y P E L K MI D R O T I A T V O S T I P I I A A T G P K I T A H F Y D R M F F H N P F I K
UniRef90_l0lMl4 UniRef90_UPl00037E05FB UniRef90_B6XEC5	DLIKASAQLIAPLGSKVTEYFYNTMFTDHPEVR ALLKESWTLVEEDQERVAGYFYAHIFTAHPHLR MLDQQTIATIKSTIPAIAATGPKLTAHFYDRMFKQHPELK
UniRef90_E9GAC8 UniRef90_UPI00041ACC89 UniRef90_V5YM54	L N E R D E A T I R S T WN T A K K N G N I G P K T F L R Y F E L K P E A Q
UniRef90_F4F348	LTEADVEIIKRTWKIPSANPHDSAALIFSTFLEKYPHNQLIRRTMAEIEPVADKVTSYFYALLFVQHPDLRVFSEEQEALVLKSWALMKKDSANLGLRFFLKIFEIAPSAKLKESWALVEADRVRLSEHFYARLFLLDPELRLSGPQKELIRESWQTVSQDQLHHGTVLFSSDLFQLKSGL
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UniRef90_UPI0001CB9E5C UniRef90_U6DK15	VISADEKNILIRSSWFTVYGDRFQVGVDVFTNFFKAYPAYV
UniRef90 Q17153	PANKNLI RSTWNVMAGDRG NGVELMGLLFQRAPESK MLDAQTIATI KSTIPLIAKTGPALTAHFYDRMFSRHPELK LI RRTMAEI EPISDKVTSYFYALLFVQHPYLR MLDAKTIALVRETLPAI AAAGPAVTQHFYQRMLSHNPELK
UniRef90_UPI00034D9014 UniRef90_Q2MCN9	MI SAQSRPYI DASVPIV LIRENGVIAILI I AFYRNMFAANPE ILI LITKSQKVIAILI AAWSII VIKKDIL VITNGRNII FVMFFEEYPQYILI
UniRef90_F4CEW2 UniRef90_P27199 UniRef90_N8ZD56	MNEQQKALVKGTVPVLKENGVLLTTHFYERMFKHNPELK FTEKQEALVNSSYEAFKANVPQYSVVFYTSLLEKAPAAK MINQQHIELIKGTIPVLRENGVALTSYFYKRMLGNHPEL LPAQSREIVVQSWEIIKRDLERVGVVMFMGLLE DPELR
UniRef90_UPI0003592FCB UniRef90_L8G042 UniRef90_G8B6P8 UniRef90_K5W0S2	L T P E Q T A I V K S T A P V L E Q H G N A I T S H F Y K R I L A A V P E L L T P E Q I K L I L S T V P I L E Q A G E T L T A K F Y K R M L T N Y D E V K L T E A Q K K L V K S T A P I L E Q H G E A L T K L F Y K Q M L E R N P E L R
UniRef90_KSW032 UniRef90_UPI000345A7DE UniRef90_E1SVJ2 UniRef90_I2GZK4	MLDRHTIDTVKSTLPLLAEAGPALTAHFYQRMFHHNPELK MLPEQVRTI I KATVPVLEQHGTTI I KATVPVLEQHGTTI I KATVRV
UniRef90_UP1000370BC5A UniRef90_UP1000364DB08 UniRef90_K2KJK7	MI K D S F K A A E P E G A S MI R F F Y G M L F S L D P P I R D P A E L K D S WA R V A S A G G D V A L Y F Y S H L A L C E P E I R MI S A E T I S L V K A T L P V I A N A G T A V T E H F Y O R M F A L N P E I K
UniRef90_UPI00022601B5 UniRef90_G6D627 UniRef90_V5F7X6 UniRef90_M7BGH7	L D D K T R S L V K A C V P Å L E A H G L D L T Q E M Y K R L L A D P E V R L S R R D V F A V Q K S WA L V Y A N P L A N G S E L L K R Y F R A H P E S K L T S Q Q L D L I K A T V P V L E Q H G L A L T T T F Y K N M L D E H K E L V G R R V Y T Y G T L A L M R L F D L D P D L L

UniRef90_G8WZT4 UniRef90_K9T8Q6 UniRef90_K9FBG0 UniRef90_UP10003789CAC	50 60 70 80 ELFPAAMDVQRDRLFTA LVTAARLADQPQRLTEYL PLFANTHMEEQGKKLFASLVLVV DALRKPEVLENAL TVFNTANQVNGHQPRALAGALYAYASH IDDLGALSSAV NLFNMGNQANGSQQ QSLAAAVFAYAANIDNAQAL
UniRef90_K9T9X7 UniRef90_UPI0002898BF1 UniRef90_UPI00040E3AFA UniRef90_S7X5W1	PILIFANT DMEKQQQKILIMSLVIYVVTN H VFNMGNQQNDRQQTALAMAVVLAYAEHIDDPSVLIFPVV NI FNFTHQKKGKQPMAIANT I YAAAVNI IFRI FEI I PAIV
UniRef90_W9YS10 UniRef90_UPI0003B31C0B UniRef90_D5D9L5 UniRef90_A0A044U5A6 UniRef90_U1L5L6	RNMFNQTNQETGVQPEALAYSV YQAGANI DRLEELRPMI NVFNQTNQKTGRQQM ALANTV YAAAQYI DRLETLLPVV KMFPFYNIATSSEELKAHGESVMKFLGQAI SNI DKFFELI HI FNMSNQESGRQKAH FFALAAYAQH I FNMSNQESGRQKAKI FFALAAYAQH I FNMSNQESGRQKAKI FFALAAYAQH I FNMSNQESGRQKAKI FFALAAYAQH
UniRef90_R4LQ95 UniRef90_UPI000349F7EE UniRef90_M3D9H8 UniRef90_F1A2R8	A Q F D M S A Q A N G S Q P A K L A T A V Y S Y A L H I D D L E A L K A M V N V F N Q T N Q V N H H Q A G A L A G A L Y A Y A A H I D D L G V L S P T M
UniRef90_D9Y601 UniRef90_F2Q9W6 UniRef90_U4T9S0 UniRef90_A0A059BHV9 UniRef90_R9TZZ3	NIFNH SNQREGKQQTALANTVYAAALHIDKLPELLQVFNMGHQRAGFQQQALAGSVLAY AENIENLKPLLGAVKLFKGVEQLDSSITLRAHVTRFMHSFDTYMESLDDPEDLKDLFNETNQKLGRQQNALASTVLAAAKNIEHLAVLPQVNMFSFLRDSQNNPKLQAHAVKVFKLTCESVIQLREAGSTMHNLFNQTNQKRGLQQEALAYSV
UniRef90_G4ZN81 UniRef90_F0SL04 UniRef90_P02240 UniRef90_K6WAC1 UniRef90_UP100037ADA48	N L F N M S H H R V A G A T K G G A P A G V S R Q A T T L O D Q L G N L G D A V S L F A G T S M E D Q R Q K L I Q S L L V T M R S L D Q P E K L Q P F L D L F S F L K V P Q N N P E L Q A H A G K V F K L V Y E A V T G V V T D A T L N V F N K A D Q A L G E Q A Q A L A A S V V A Y Q L I D P D A P S F R P V R L F P T D M D A Q A A K L S K M L V R L V R S V D D L S R M L P F F N E S D Q K S L R Q P K L A F A L L K Y A E N L E P L T G F V
UniRef90_A5DQY8 UniRef90_B6BLR1 UniRef90_S8CU33 UniRef90_Q0UPY5	KLIFSFLRESTENPKLKLHAKSVFLMTCEAAVQLRKTDSTL NVFNTTHQATGHQSRALLAGAL YAYAANIDNLGALSPAL
UniRef90_UPI00038C1CD5 UniRef90_B3QH91 UniRef90_D2SGR7 UniRef90_UPI0003C168BE UniRef90_W5JM33	GLGGGEEGIGKVAVPGGRVMLVIDTAVTNVEDLEEYL TLFRSDMTRMKDKFIQTLAV RLFPVSMAHQRDRLFQALGDVVA AYWGDFKNIWSSPNVCEHGKHIFYNLKELA NMFAKFRELKTSEELQEHANKVMNTLDEGIRGLDDLDTFF QMFSFLRDSENHPKLKSHAVTVFVLACESATQLRKREATL KFIPSNEEIAADTRSKQHILAFMDVLSKAIGALDDFCEKL ELFPARLNOGEGGROVNALAAALLGVARN
UniRef90_J3M8X1 UniRef90_G7YFM1 UniRef90_E4NEB0 UniRef90_UPI0003B65E92	
UniRef90_UPI0004226736 UniRef90_Q5YNI4 UniRef90_UPI00037E95AB UniRef90_UPI000368FE1D UniRef90_O81941	NVFNQ SNQAGGRQSAALASAVVAFAEHLLDPRAPFDFPAAMDVQRDRLVKA ISYALDRLEEPDKLLPFLNVFTQANQTVGEPPRALAASVMAF AVQLLDPEAPDFEMFP AAMDGQRDRLFRALLTAVRLFDDLGEYLGLFSFLKDTQNNPKLKSHAVKVFKMVCESALQLREKGETL
UniRef90_S1STT9 UniRef90_J3DHZ5 UniRef90_K6WGP8 UniRef90_A9L475 UniRef90_Q49UL6	N VF N M N N Q R S G N Q R E A L F N A I V A Y G S N L E N L A V L L P A V P MF Q R D T R V Q A E M L R I A V V S V L D H L E D A E W L T T N L D V F N II A H Q H S G G Q P V A I F N A V A A K N II F N II A V I S S T V
UniRef90_R7QRC5 UniRef90_C4USF5 UniRef90_S9RC72 UniRef90_I0IMI4	KQ FNMDRHRGGTQVAALGGAVLSYAKN II DRVEALLPVV
UniRef90_UPI00037E05FB UniRef90_B6XEC5 UniRef90_E9GAC8 UniRef90_UPI00041ACC89 UniRef90_V5YM54	PYFNKAHQTSLS QPRIL AFALLNYAKNI DDLAPLF KMFPAEM GVQAQRLFDSI VYITSN I DKPDALVPYL DMFP VQMQLQRERLLSAI VSTVHGFNDLERTL DI FNMTHQKNGDQREALFNALCAYAVH I ETPEALIGAV KMFPAFMKLPTNEDFLAQAQNCVSGLNSYVEHLGKNPKNC RL FDSI DRSTQARKL TYVISLVVTKLDKLETIAEEV QKFPAFKDLKNTVEFRAHASRI FNVFSSVI DGLDRI KKI I ALFP ASMDAQRDRLFKALLTAAQHVDNLTEYL QMFSFLRDSDKNPKLKTHAMSTCEAAAQLRKKVTVRETTL
UniRef90_XONDY2 UniRef90_UPI000350F47E UniRef90_F4F348 UniRef90_F7EB40 UniRef90_K9PXW7	YWSSEVPRECSSÄEFTEHIRKVMTVIDAAVSSLDCLDEYL
UniRef90_D0MGT2 UniRef90_W8AB70 UniRef90_UPI0001CB9E5C UniRef90_U6DK15	SLIFE LPERQLHKLASALLAYARS LDNPSALQAAI EMFPLRMTGQREKFFAALGRIVSNVETLAAD PEFV
UniRef90_W6FFC8 UniRef90_Q17153 UniRef90_B4EZV6 UniRef90_D7C8Q7 UniRef90_UPI000472B10D	D F K RL G D V S A N R KL N G H G II T L WY A L M N F IV D Q L D N L E D V C D I F T M S H Q S S G A Q R E A L F N A I C A Y A T H L E D L P A I L P L F P A A M D A Q R D R L F R A D V F N M S N Q A S G R Q P E A L F N A L C A Y G S H L D T P E A L L P A V
UniRef90_UPI00034D9014 UniRef90_Q2MCN9 UniRef90_F4CEW2 UniRef90_P27199 UniRef90_N8ZD56	T N L F N M G N Q A N G A Q Q Q S L A A A V F A Y A A N I D N P A A L A P V I D Y F D F G G G S A G N R S L H A H A L N V M N F I G T L I D Y G L N L K C S L H V F N M G N Q Q N K K Q Q T A L A M A V L A Y A E H I D N P G I L M P V V D L F P F L A N G V D N P K L I G H A E K L F G L V H D S A A Q L R A K G A V V R N V F N L D H Q S T G R Q S R A Q A A T L L A Y A E N I E N P D A L V K A F G T F M T F R D L K A S T A L R S H V L R V M G A V E K V V A R L D N K E K M V
UniRef90_UPI0003592FCB UniRef90_L8G042 UniRef90_G8B6P8 UniRef90_K5W0S2 UniRef90_UPI000345A7DE	GTFMTFRDLKASTALRSHVLRVMGAVEKVVARLDNKEKMVRNVFNAAHQESGEQQSALARAVWGYAAH IGDLDKLSSTVPFF NETDQKLLRQPRILAFALLNYAKNIEDLAPTFNNFNH SKQQRGDQAEALARAVYAYAAYIDDLTPILPLFAHVDPESQQKKLLASLVLVVVENLRNG DVLGSTL
UniRef90_E1SVJ2 UniRef90_I2GZK4 UniRef90_UPI000370BC5A UniRef90_UPI000364DB08	NVFNRTNQMRG AQPNALFDAIAAYGTH LEDLSVLTAAV NVFNRTNQMRG AQPNALATTVLAAAKHIDDLSPLL DLFPANMEQQRDRLFRA LVHLVQQVDNPAELNPFL
UniRef90_K2KJK7 UniRef90_UPI00022601B5 UniRef90_G6D627 UniRef90_V5F7X6 UniRef90_M7BGH7	DI FNLSHQKSGRQPAALFAAVATYAQH I ETPEMLAAAV DL FNMSHQKDGEQPKALALAVLAYAHN I DTLGNLGGMV EFFRNENEFDDNHQFKAHVMSLMSSLNLAI TNLDQPEI VV NGIFNTANQVTQHQQKALGGA LYAYAANI DNLAALNDAV PLFQYTCKQFSSPQFLDHIRKVMLVIDAAVTHLENLEEYL

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UniRef90_12GZK4 THVRQHKHRALQIYPEQYDIVGEYLIKAIQQVLGPAATPQ	UniRef90_UPI000345A7DE	KGLGARHV QY	GALPEHY	PLVGAAI	L L Q I F E Q Y L G D D W K P A
UniRef90_UPI000370BC5A E Q L A R D H R K F G V L T K H Y E A L G L A L I A A V K Q H A G A A W S E Q UniRef90_UPI000364DB08 UniRef90_K2KJK7 B R I A Q K H T S F L V R P E H Y A I V G E H L L A T L Q E L A P D T F D UniRef90_UPI00022601B5 UniRef90_UPI00022601B5 E R I T Q K H V G L N I L P E H Y A L V G K A L L G A L E H V L G D A A T P E UniRef90_V5F7X6 UniRef90_V5F7X6 E L I T H K H A S L Y I R P E H Y K I V G T Y L L A A M K I V L G D A L T P E UniRef90_M7BGH7	UniRef90_I2GZK4	THVRQHKHRAL	Jali <u>Y</u> pêğy	ĎĽÝĞ <u>Ĕ</u> ŸĬ	ŢĸĸŢĠĠĸŢĠĸĸŢĸ
UniRef90_K2KJK7 E R I A Q K H T S F L V R P E H Y A I V G E H L L A T L Q E L A P D T F D UniRef90_UP100022601B5 E R I T Q K H V G L N I L P E H Y P L V G K A L L G A L E H V L G D A A T P E UniRef90_G6D627 A K L G E S H G R R K I D E Q N F H N L K G I I V K M F I D V L K L D D K UniRef90_V5F7X6 E L I T H K H A S L Y I R P E H Y K I V G T Y L L A A M K I V L G D A L T P E UniRef90_M7BGH7 UNIL G K K H Q A V G V K V D S F S A V G E S L M F M L E K C L G T A F S P D	UniRef90_UPI000370BC5A	E Q L A R D H R K F	GVLTKHY	EALGLA	LIAAVKQHAGAAWSEQ
UniRef90_UPI00022601B5 ERITQKHVG LNILPEHYPLVGKALLGALEHVLGDAATPE UniRef90_G6D627 AKLGESHGRR KIDEQNFHNLKGIIVKMFIDVLKLD DK UniRef90_V5F7X6 ELITHKHASLYIRPEHYKIVGTYLLAAMKIVLGDALTPE DK UniRef90_M7BGH7 VNLGKKHQAVGVKVDSFSAVGESLMFMLEKCLGTAFSPD	UniRef90_UP1000364DB08 UniRef90_K2KJK7	ERIAQKH TSF	LVRPEHY	AIVGEH	
UniRef90_V5F7X6 ELITHKHA SLYIRPEHYKIVGTYLLAAMKIVLGDDK VNLGKKH QAVGVKVDSFSAVGESILMFMLEKCLGTAFSPD	UniRef90_UPI00022601B5	ERITQKHVG L	NI PERMY	PLVGKA	LIGALEHVIGDAATPE
UniRef90_M7BGH7 VNLGKKH QAVGVKVDSFSAVGESLMFMLEKCLGTAFSPD		AKILIGESHGRR FIIITHKHA SI	_K D	HNLKGLI	VKMFIIDVLKLD DK
	UniRef90_M7BGH7	<u>V</u> NLGKKH QAV	GV KVD S F	SAVGESI	MF MÜEKCLĞTAFSPD



	40 00 00 00 40
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UniRef90_J9HFZ7 UniRef90_F6Q119	MLTQEETQTIKETVPLLKDKGQTITSTFYKRLFEQHPELK LTSEQVVLLRSSWQTIGKGMSNVGLAVLHRLFNDVPETL
UniRef90_UPI0003AFC9AC	
UniRef90_UPI0004748B06 UniRef90_G7Y3I3	A D H D L V L K C W G G V E A D F T G H G G E V L N R L F K E H P E T L L T D A Q V N G V Q S S W M L L K L H I E K L G V I V F L G L F E E H S D F R
UniRef90_UPI0003F0E673	ESSEQII ISEII IRRT WPKII IA <mark>C</mark> DII ITGNGAQIVIEII IQII IEAII INENII IK
UniRef90_A9FR29 UniRef90_UPI0003611FF6	L L R E S F E L V I E R A P N L T H R F Y G L F S R Y P Q V K T S E D A A L I V R S M E A V A P F A D K V V S Y F Y A T L F L H N P H L R
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UniRef90_UPI00032A7A04	FTENQEAL VNSSYESEK QNLPHYSVLFYTFILLEKAPAAK
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UniRef90_C4LFT3 UniRef90_UPI0003653501	MI S A A S R P Y I D A S V P V L R E H G L A I T T T F Y R N M F A A H P E L
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UniRef90_B1YFT0	MLTPSALTIIKSTVPVLAEHGHSITRVFYQRLFENHPEMK
UniRef90_I3CEH7 UniRef90_A0A024YR31	MLTPSAITIIKSTVPVLAEHGHSITRVFYQRLFENHPEMK LSTDVKAVIKSSAPLLREYGEAIAKRTYEILFEKYPQVK DAVLIRRTLAEIAPVADKVTSYFYALVFTGHPEVR
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UniRef90_G8YKA8 UniRef90_V4PJ00	LTPSQVDFIKASVPVLEKDGVKITSLMYNYMLSTYDEVK MTPAQLRLVQASHAEVVTLGATAAEVFYTHLFVLDPSLK
UniRef90_C3Y097	L T Q K Q K F L L <u>L</u> K S W K G <u>V</u> A R Q L S Q <mark>C</mark> G K T <u>M</u> L <u>L</u> R <u>L F</u> K D D P Q L M
UniRef90_E7FIH1 UniRef90_I2GB73	LLTANDRRII I RKT WD Q A KKD GDV P P QI LF R F I KA H P E Y Q MT LQ E LNI VKRT WKL LDVD P QL L G DVF Y R R L F LT Y P S V R
UniRef90_G7H6Y4	K DILLIH H SILISIL VIDILIP D D GILITIVIR F Y DILLIF F R Y P GIVIK
UniRef90_T0QBI8 UniRef90_A0A017T2A5	LSLDT IRLVK ATAPV V GEHGY AI TSQMY STMLPSDPK I A
UniRef90_A4CEG0	M L N D M Q L Q L K S T L G V L E S A G P K L T A H F Y Q R L F H H H P E L Q
UniRef90_S4XN51 UniRef90_W2F108	MLRDSFELVVQRDHEFPRLVYRALFERYPQAR _LVKESFALVEPVAGKAAAYFYGRLF <u>S</u> ESPQLR
UniRef90_S4N1V3	DAVLIRRAMAEVTPVADKVTSYFYALLFVRHPÖLR
UniRef90_UPI0003FE0E77 UniRef90_S6EPY1	DAVLIRRAMAĒVTPVADKVTSYFYALLFVRHPDLR MLDEKSIAI VQSTLPLLQQYGPGLTNHFYQRMLSHHPELQ LTANQIELVKATVPVLRENGVALTSYFYNRMLTNHPELK
UniRef90_H2IDN8	MLSNQTI EI VKATAPLI AETGPKLTAHFYDRMFTHNPELK MLTQSQLAVIKQTVPVLQENGETLTRHFYARMFRENPEVQ
UniRef90_Q0VMN1 UniRef90_UPI0004660275	MLSNQTIEIVKATAPLIAETGPKLTAHFYDRMFTHNPELK MLTQSQLAVIKQTVPVLQENGETLTRHFYARMFRENPEVQ DPQLIRSTFAVVERRAEHAVTFFYSHLFWNNPGVR
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UniRef90_J9MVP5 UniRef90_C1BB95	LIPEQIKVVQSTIPALEK <mark>H</mark> GLELTTLFYRQLLNK <mark>H</mark> PELK ETVALVRSTFRAVASFPGGPGAAFYATLFATNPEAR
UniRef90_C6CNP4	M L D Q Q T <u> </u>
UniRef90_A0A014N8A1 UniRef90 V9B7I3	L T S E Q M K I V Q S T I P A L E Q H G M A I T S L L H K R L L D S H P E L K M L S P E V R A L V K A T A P V L K E H G E A L T R H F Y T R M L G G N P E L R
UniRef90_A0A013VH75	L S P E T <u>M</u> A L V K A T A P <u>A </u> L Q Q <mark>H</mark> G V D I T T R M Y Q R L F V D P E I K
UniRef90_W9BRU3 UniRef90_E2AF92	LTENTILAI VKSTAPLLKRHGLALTSRMYERLF VNAEVK FSAEEYALVKKVWSGLEINPQFHGNA <mark>C</mark> LRSF <mark>C</mark> ELYPQYV
UniRef90_E9FXJ8	II LISSHERSII I IRKI WDQAKKD GDIVIAPQIVLIYRFII IKAHPEYQ
UniRef90_H6L2T7 UniRef90_H3RGL6	MNQEDIRL VQASVPILEEHAETLTREFYKNMLSNHPELK
UniRef90_D2UE18	MLDAKTIHIVKSTLPAIAACGPDLTAHFYSQMLSHHPELK PLLEQGGEALITHFYQTMLAQHPEVR SPEKMAIVNATAPQLKEQAMAITMSFYYSMKDVYPEL
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UniRef90_L8EER3	A A D Q R V I T E Y L E L V T P F G E L I T H L Y E T M F R R W P Y L R
UniRef90_P21660 UniRef90 F2Q9Y0	LITSEDKKAVLIDSWAKMSGPTFQDAGEKVIFILLLIKTDSTK
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UniRef90_UPI00035CAD24 UniRef90_D0I8Q6	MLNEKTLEI VKSTAPLLAETGTKLTEHFYTRMFSHNPELK
UniRef90_K1QVD6	MI SSENI AI VKSTAPI LAQTGPALTAHFYERMFNHHPELK MLDQATRQLVKATAPVLKTHGVALTRHFYARMFQHNPELK MLNEKTIEI VKSTAPLLAETGTKLTEHFYTRMFSHNPELK MNESEKRLVKKTWKDLAKDMSYNGIRVFERIFELNPDLK LTDEQKQLIQKSFAEINRQNSNFASHFYDCLFAMAPLIR
UniRef90_A3QDN6 UniRef90_V5YLS3	SADEAAIL VIQST WN QIVIK SNEIVIDII IIIILI ILIY AII IF SAYPDII IQ
UniRef90_H0Q3F9	MASKRTLELVQATVPALQAHGLALTTHEYTRHEPELK
UniRef90_C5DD57 UniRef90_C5M8D8	S P T Q L Q M L K D S V P L L D H V H V Q L A E K F Y K R L F K R Y P E F K Q V Y Q N L S A R Y P G L E
UniRef90_G3AFJ0	QVYQNL SARYPGLE
UniRef90_C7FFV7 UniRef90_UPI00037F7647	S S E Q K A A T K T S WA G A N L Q A A G T G F Y V H L A A D A P A A A L I R T T F K A V A A E P E K L A R S F Y A I L F T E Y P H L R
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UniRef90_J7L7S1	IDLVRRSCADVPEGSTRLAKCFYDNLFAMVPEVR
UniRef90_P14394 UniRef90_B8IQK2	LT DETLELVKAT VPALEAHGRALT DRMYERLF RTPEIR
UniRef90_B7G0J4	MS A E E K K M I Q Q T W R A I V E F G L D D C T R F Y T E L F R K Y P S V Q
UniRef90_R7VAV5 UniRef90_J6EMT4	DIVERS CADVPEGSTRLAKCFYDNLFAMVPEVR LTADVKKDLRDS WKVLGSDKKGDGMALMTTLFNDHQETI LTDETIEIVKATVPALEAHGRAITDRMYERLF RTPEIR MSAEEKKMIQQTWRAVEFGLDDCTRIFYTELFRKYPSVQ VLSSAQAKAIQANWKTVRARIQDYGNDLFVRYFIQNPGDV LSEAHQAAVLATVPALAEHGLTITKQMYKN
UniRef90_V4BX16	TI TRTCFYRFFETEPDMK
UniRef90_L8DDI2 UniRef90_UPI00032ABF5B	T I T R T C F Y R F F E T E P D M K LS P A A E S V V R A T A G V V A E H S E Q I S A R F Y E S M L G E R P E L W V F T E K Q E A L V N S S W E A F K K N I P H L S L L F Y T L I L E K V P E S K
J	vi i e n qe n e vin o o we n i n n n e i i i e j e i i e i e i e n v j e o n

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UniRef90_UPI0003F0E673 UniRef90_A9FR29 UniRef90_UPI0003611FF6 UniRef90_R7S788 UniRef90_UPI00032A7A04 UniRef90_M2LXP8 UniRef90_P25165 UniRef90_P41261 UniRef90_C4LFT3	L F P F R DIL LIS Q N E VIF R G H S R R F M Q A V G A C V E N L E N L D I L F P L F G R N S Q E Q Q E K M L T E A L A A V I D R L E D A S W L E E K L M A M G E L F P A A M D H Q R D R L F R A L L I A A K H V D D Q E F L T Q Y L N V F S H S N K E R G L Q A E A L A R A V Y A Y A A N L E D L T P L L P V V E L F S F L K D T S G S P K L Q S H A E K V F G L V H D S A L Q L R T K G E V A N N V F N Q A N Q R N N H Q A A A L A S A L Y A Y A S H I D D L G V L S P A V L K F G H L S T G R D N S K L R G H S I T L M Y A L K N F V D A L D D L K C V V T P F K S L A Q L Q D N P K M K A Q S L V F C N G M S S F V D H L D D L V V L I N I F N Q G H Q N S G R Q Q E A L A M A V A S N I D D P S V L P V V
UniRef90_UPI0003653501 UniRef90_Q2PP42 UniRef90_G6FNK7 UniRef90_V8D265 UniRef90_B6BCU8 UniRef90_W4HNQ7 UniRef90_J2W0D0 UniRef90_B1YFT0 UniRef90_I3CEH7	T N L F N M G N Q A N G V Q Q Q S L A S A V F A Y A A N I D N A G A L G P V V N L F S F L K D S D G N P N L K A H A A K V F E L V V D S A V Q L G A V V I A D R G F E T M Q H L D G G E Q A H K L A A A V Y A Y A T H I D R L D E L A M A V A V A Y A T H I D R L D E L A M A V A V A Y A T H I D R L D E L A M A V A V A Y A T H I D R L D E L A M A V A V A Y A T H I D R L D E L A M A V A V A Y A T H I D R L D E L A M A V A V A Y A T H I D R L D E L A M A V A V A Y A T H I D R L D E L A M A V A V A Y A T H I D R L D E L A M A V A V A Y A T H I D R L D E L A M A V A V A Y A T H I D R L E D L R A S L Q L F R D L E G Q G M K F M T T L G V I L A K L G D V D P H F P L F P Q D L A T Q Q E L L N Q T L A T V V K E V H R L E V L S P A L A L F N Q A N Q K S G S Q V Q A L A G A I L G Y A Q N I D N L E A L V P V V M L F N Q S N Q K N D R Q S Q L A T A V Y A A A A Y I D Q L E T L K P T L P L F A K A P P N Q P H L L A R S I M A F C E N V D N L V F I A S D L
UniRef90_A0A024YR31 UniRef90_L7FBF0 UniRef90_G8YKA8 UniRef90_V4PJ00 UniRef90_C3Y097 UniRef90_E7FIH1 UniRef90_I2GB73 UniRef90_G7H6Y4	GMFPAAMDTQRDRLLKA SLFP AAMDTQRDRLLKALLTAAEHIDHPEVLAPYL SLFP NETDQKILLQPKILAFALLNYAKNIEDLAPLQ PMFRS DLAAQGKKLLQALNFVATQLHQPERIL AVFNQKDVLYQDALLDAHAATVMEALHEAITHLDDVMKVL KMFKSFANVPQNGNFLAQAYTILAGLNVVIQSLSSQELIA PMFREPMTTQYHKFVD MLSLIVSRIDRPEEVMSEI SRDTRQQASMLRTAIVSVLDHLDDLASTL
UniRef90_T0QBI8 UniRef90_A0A017T2A5 UniRef90_A4CEG0 UniRef90_S4XN51 UniRef90_W2F108 UniRef90_S4N1V3 UniRef90_UPl0003FE0E77 UniRef90_S6EPY1 UniRef90 H2IDN8	A L F N P T H QV V R A R Q P A A L A D A V V A Y A N N L D N L G A L T A A V N V F N H A H Q R E G R Q Q A A L A G A V Y A A A K H I D D L G A V L H I F N M S N Q K S G R Q Q V A L F E A I A A Y A K N I E N V A V L V N A V K L F T R N S P G A Q G T M F E R A L M A V L D H L E D D V W L G E K L G M F P P A M E V Q R D R L F G A L T R I V W M L D S P G G L A H Y L S L F P A A M D T Q R D R L L R A L L T A A E H I D N T D V L V D Y L A I F N M S H Q R N G A Q R E A L F N A L A Y A A A H I D H P A T L S T A V Q V F N L G H Q R S G A Q A R S L A N A V L A Y A A A N I E N P A V L L G A V A F F N P A H Q Q A G T Q Q R A L A G A I C A Y A A N I E N L P A L L G A V A F F N P A H Q Q A G T Q Q R A L A G A I C A Y A Q H V D N P A A L A D A V
UniRef90_Q0VMN1 UniRef90_UPI0004660275 UniRef90_S5UTU6 UniRef90_J9MVP5 UniRef90_C1BB95 UniRef90_C6CNP4 UniRef90_A0A014N8A1 UniRef90_V9B7I3	PLFPAAMDVQRDRLFAALIHVVIHLEDLAAYL PLFPAAMDVQRDRLLKALLTTAEHLDDTPV LVGYL NIFNTAHQDTGEQPAALAHAVWAYAAN IENPEAMKAAI EFFPAAMDTQRDRLVRAIG HVIDRLEAPESVLPYL DIFNMSNQRNGDQREALFNAICAYATH IENLPALLPAV NVFNTTHQVTGEQPAALAHAVWAYASN IDNPAALQTTL
UniRef90_A0A013VH75 UniRef90_W9BRU3 UniRef90_E2AF92 UniRef90_E9FXJ8 UniRef90_H6L2T7 UniRef90_H3RGL6 UniRef90_D2UE18 UniRef90_H1W3W9 UniRef90_T1P825	QLFNQGHQQSGQQQALAAAVAAFH I DDPSVLLQVV AL FDMAAHESGAQPKRLAAAILAFAQN VDKLDALKPAI QMFDQ AAQESGEQPRRLAAAILAFAQN VDKLDALKPAI QMFDQ AAQESGEQPRRLAAAILGY AENVDKLQNLTPVV KFFTQESKLHLSFDTRITVKTMGYLLDFNKRPKQLDRLV KKFSKFADVPQSENFLAQAYTILAGLNVVIQSLSSLANQL NI FNLANQALGQQQKSLALSVLAGLNVVIQSLSSLANQL NI FNLANQALGQQQKSLALSVLAYAKH I EQPEVLLPAL H VFNRANQRNGAQREALFNAI QAYGAN LDNLTALRPAV PY FNATHQASGDQPRALANGVL MYAKNINRLEALGPLV QKFSAFKDLPTNARFRAHASRIIKVFDESI QMLGHLEETW HIFNQDHQQTGRQPRALAAAVLAYASN I DNLGALLPAV
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UniRef90_UPI000470E91E UniRef90_UPI00035CAD24 UniRef90_D0I8Q6 UniRef90_K1QVD6 UniRef90_A3QDN6 UniRef90_V5YLS3 UniRef90_H0Q3F9 UniRef90_C5DD57	D VF NMS N Q R N G N Q R E AL F A A I C A Y A N N I D N L E A L L P A V Q L F N Q G H Q Q A G S Q Q Q A L A M A V A A Y A E H I D N P S V L A P V L D I F N M S N Q F T G A Q R E A L F N A V Y G Y A A N I D N L P A L L P V V Q L F P F R N K L R N D H D F T G H A S R F M Q A V G A A I D N L N N L G P L L P C S C S C S C S C S C S C S C S C S C
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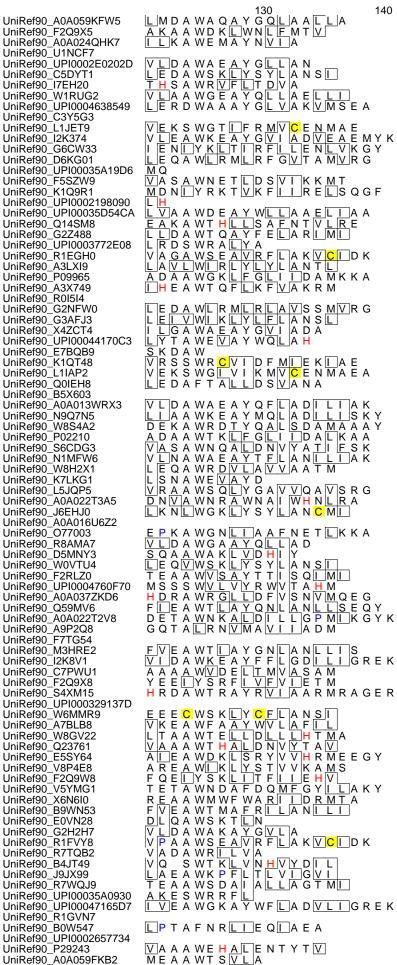
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UniRef90_B9WN53 UniRef90_E0VN28 UniRef90_G2H2H7 UniRef90_R1FVY8 UniRef90_R7TQB2 UniRef90_B4JT49	PYFNETHLITLLIRQPRSFH HCLLEFARNI DDLLRPMKDFII AFANTLEELEENQAFRNHANNI I QALDNVI LNLEDI QREL NI FNMSNQFNGNQSEALFNAI CAYANN I ENIKALLPAV LTMFNPAHNI STHQPEALAASVVAYASNI LSPLLVPGGAV QIIFAKFRDLRSNAEFNKQTKTVI DALSKI VDNLGDLNAGC

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UniRef90_F2Q9W8 UniRef90_V5YMG1	DYLANLGRKHQAVGAV GDSLLYMLEKCHGPAFKMS KKLGQMHAD LELKPDDMWKLEQPFLAAVAECLEDRYTPK SQMGQTHYNR GVSQQQFTEFRTAFFNYMKGHVS FDAA
UniRef90_X6N6I0 UniRef90_B9WN53	
UniRef90_E0VN28 UniRef90_G2H2H7	TALGKMHGKK KI SEQQFQELKI CI LEI LIDNEFK LIPED ERVAQKH TSLNI QPEYYQVVGEHLI ATLDEMFHPG AE
UniRef90_R1FVY8 UniRef90_R7TQB2	MKI ASKHVAR QVSPDQYRVFGQILIGVMVDQFPKEFDEE TALGKMHGKK KI SEQQFQELKICI LEL DNEFK LPED ERVAQKH TSLNIQPEYYQVVGEHLIATLDEMFHPG AE DAINHRHC ALEI LPDHYPVVHDHLMWSVAKVLGPKLGGE SFLRERVRTHHPI SMAQFERLLDLMPMFLQEQAGAD
UniRef90_B4JT49 UniRef90_J9JX99	TKVAVNHIPR QISKESYNNLKEVVLEVLTAACNINES Q VDLGAKH RKFRLTAEHFEVVRDVLTRMIEDRLPTTGGPD
UniRef90_R7WQJ9 UniRef90_UPI00035A0930	TKVAVNHIPR QISKESYNNLKEVVLEVLTAACNINES Q VDLGAKH RKFRLTAEHFEVVRDVLTRMIEDRLPTTGGPD TQLGRDH RKYGIDESHYRAVGSALLTALGRECTEPWTDD LDMRDRHRLANGPQLVHFEQLMKDMDKMMQDRVNKRLSPE
UniRef90_UPI00047165D7	ERIBERHUG LINI LIPEHYPLIWRMRFWGPLIGHVLIGSAAIPE
UniRef90_R1GVN7 UniRef90_B0W547	ELI <mark>C</mark> QKHA SLYIQPEHYNIP AKLVKNHKTR RVTSQDVKMFGEVILMYFAQVLGRQSASS
UniRef90_UPI0002657734 UniRef90_P29243	AKLVKNHKTR RVTSQDVKMFGEVILMYFAQVLGRQSASS RELIRKVALTHKVNRDNFQRFEDAFILVLK KKLGVDHKNR GITQGQFNEFKTALISYLSSHVS WGDN
UniRef90_A0A059FKB2	IRSERVNHDTYDVPAGMFEVFFDIIRDVTKEVAGSDWSPL



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