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UniRef90_A6MJG7 UniRef90_Q45Z14	L E Q F D N M I L Y Q F K N M I	K AIIRKNALLSYNGYG <mark>CFC</mark> GLGGKGIPVDA
UniRef90_R04007 UniRef90_A0A023I9C9 UniRef90_R4FI60 UniRef90_W5KDU7 UniRef90_P00615 UniRef90_Q7T1R0 UniRef90_G1SRA0 UniRef90_G1SRA0 UniRef90_R4G2M6 UniRef90_Q6SLM2 UniRef90_UPI00027F98DA UniRef90_P14615 UniRef90_UPI00022B5934 UniRef90_UPI00022B5934 UniRef90_P00609 UniRef90_Q0KKQ2 UniRef90_F6V4W4 UniRef90_F07037	V	RCVQPGVNP SQYNNYGCFCGLLGGQGRPVDK ECANKGSRPSLDYMNYGCYCGTEDRGTPVDE QCAQPGVNPLI YNNYGCFCGLLGGSGSPKDQ ECAIRNRRPALDFMNYGCYCGKGGSGTPVDD

	50 00 70	^
QUERY	50 60 70 80 LDRCCETHDNCYRDAKNLDSCKFLVDNPYTESYSYSCSNT	
UniRef90_UPI0003330673	L D R C C Q L H D H C Y T R A K R L D G C K F L V D N P Y T N S Y S Y S C S G T	
UniRef90_G3TYR4 UniRef90_UPI0003C2A918	L D T C C Q T H D Q C Y D R V K N L S S C T F L L D N P Y T N N Y S Y K C S G S L D K C C Q T H D N C Y S Q A E T V P N C H S L F H N P Y T Q T Y S Y S C S G P	
UniRef90_H9G6L6	LDTCCQTHDECYSAAKKHPNCKFI TDNPYTKTYAYS <mark>C</mark> SDT	
UniRef90_UPI00045E187B UniRef90_UPI000388BD59	L DT <mark>CCQTHDNC</mark> YKKAK <u>D L C</u> TF <u>F</u> L DNPYTK <u>S</u> YSYK <mark>C</mark> SGS	
UniRef90_UPI0003959093	L D	
UniRef90_UPI0004443840	II ID R C C F T H D H C Y D O A K K II ID S C II IFII I IG N P Y T N S Y S Y S C S D K	
UniRef90_UPI00042AF702 UniRef90_L8B360	L D R C C Q T H D N C Y G Q W M K M E S C K F L I E N P Y T T S Y S Y S C S G T L D R C C Q T H D Q C Y S Q A K K H P A C R F L L D N P Y T K T Y S Y T C S G G	
UniRef90_UPI0003597E8E	II D G C C O M H D N C Y G O A O D II JE S C R F II J D N P Y T T S Y S Y S C S G N	
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UniRef90_UPI0002C624CD	L D	
UniRef90_UPI000333BA93 UniRef90_P00594	L D R C C Q T H D C Y S Q A K K H P A C K S L L D S P Y L K T Y S Y T C S G G L D T C C Q T H D E C Y G Q A K K L D S C R F L V D N P Y T E N Y S Y S C S G S L D R C C Q T H D Q C Y N Q A K K L S S C E F I L D N P Y T K T Y N Y K C N S N L D A C C Q V H D N C Y T Q A K E L S S C R F L V D N P Y T E S Y K F S C S G T	
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UniRef90_Q45Z30	L D	;
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UniRef90_R4G7E9	L D R	
UniRef90_H3BG53 UniRef90_P80966	L D R C C Q	
UniRef90_Q9DF56	LDR <mark>CCQTHDLC</mark> YSK <u>A</u> EEQPK <mark>C</mark> SSLLN <u>SPLM</u> KKYSYT <mark>C</mark> SGG	ì
UniRef90_P0C551 UniRef90_Q45Z50	L D	
UniRef90_W5JYA9	L D R	
UniRef90_H2UXE4 UniRef90_Q75S48	V D R C C K V H D K C Y E A S R K L P G C T A V G D L P Y I I D Y E F T C S N Q L D R C C Q T H D N C Y A E A E E H P K C S S L V K S P Y M N L Y S Y T C S G G	
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UniRef90_Q90ZI4 UniRef90_G3PGI7	V D A C C K V H D N C Y K A S R L A P G C T A V A D L P Y V L V Y D H T C S N Q L D M C C K V H D K C Y E A S R S L P G C T A V V D L P H L Q V Y D Y T C S N K	
UniRef90_A0A024AX12	L D	
UniRef90_F1N9G3 UniRef90_Q9DEB0	L D R C C Q A H D Q C Y S K A K L V C A A S N D T P Y T K T Y K Y S C E N K L D R C C K V H D D C Y G A Q M E I P E C S G F F D K P Y F I L Y D Y T C S E R	
UniRef90_UPI0003BCA5E7	V D)
UniRef90_A2BD69 UniRef90_R4G2E0	L D K C C Q L H D N C Y D K A K H M N C L P V L Q N P Y T E T Y S Y T C T D N L D R C C K T H D D C Y G E A E K Y P S C K P Y Y N S Y S Y K C N G G	
UniRef90_R4FIQ4	L D R	j
UniRef90_G3Q2F3 UniRef90_T1J463	L D R C C Q V H D C Y S D A M Q H P D C W P V F D N P Y T E L Y D Y S C D N K V D K C C E L H D N C Y D E L N G N E C K G M M Q L R A Y F V L Y E W N W V D N	
UniRef90_B1H311	L DR <mark>CC</mark> QTHDK <mark>C</mark> YSDSK GH <mark>C</mark> NG L DSPY E L YAYT <mark>C</mark> SGT	
UniRef90_B8QN52 UniRef90_A6MFM0	LDRCCQAHDHCYSEAQNKT	
UniRef90_A6MFM6	L DRCCQ V HDDCYGEAER L PSC NPYRNFYSYECHGA	
UniRef90_M3ZL66 UniRef90_A9C458	VDRCCEAHDKCYQNSRKLPGCEGVFDLPYLLIYGFSCSNR LDRCCQVHDQCYSDSWQHDDCWGILDNPYTEIYSFACDKK	
UniRef90_H3D1N0	V DR <mark>CC</mark> RTHDK <mark>C</mark> YEASRE V PG <mark>C</mark> AE IL PY II DYEFT <mark>C</mark> SNQ	
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UniRef90_P23028	V D K C C K T H D E C Y Y K A G Q L P G C S V Q P N E V F N V D Y S Y E C N E G	i
UniRef90_F5CPF1 UniRef90_Q9PUH7	V D K C C K T H D D C Y Y K A G Q I P G C S V Q P N E V F N V D Y S Y E C N G G L D R C C Q A H D K C Y T D A Y R F Y R C W P F L T L Y S H T C S N R L D R C C K T H D D C Y T E A G K K G C S P K G T M Y D Y Y C S S D L D T C C K I H D D C Y G E A E K K G C S P K G T M Y D Y Y C S S D L D T C C K I H D D C Y G E A E K K G C S P K L T L Y T W Q C T E N L D R C C K A H D D C Y A E A R R K R C F P K L T L Y S W K C S S H T D W C C H A H D C C Y G R L E E L G C F P K L T L Y S W K C S S H T D W C C H A H D C C Y G R L E E L G C F P K L E K Y L F S V S K R L D R C C K A H D D C Y L E A E K R G C F P R L T L Y S W K C G S D T D R C C K A H D D C Y L E A E K R G C F P R L T L Y S W K C T G N T D R C C K A H D D C Y L E A E K R G C K P V P Y M T L Y S W K C T G N T D R C C K A H D D C Y G E A E K R F K C N P Y M T L Y S W K C T G P L D R C C Y T H D N C Y N E A E K R F K C N P N I K T Y S Y T C T E P	
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UniRef90_R4FJC0 UniRef90_UPI00045E1154	L D R C C K A H D D C Y A E A R R K R C F P K L T L Y S W K C S S H T D W C C H A H D C C Y G R L F F L G C F P K L F K Y L F S V S K R	
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UniRef90_Q45Z42	LDRCCQUHDECYGEAEKRFKC VPYMTLYSWKCYGT	
UniRef90_Q9DF52 UniRef90_P30811	T D R C C H A H D D C Y I E A G K D G C	ì
UniRef90_U3J268	L D K C C Q A H D N C Y S Q A K K L S A C T F L V D N P Y T E T Y K F S C S S E	
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UniRef90_UPI0003318AFC UniRef90_U3F588	L D K	i
UniRef90_Q9PRG0	L D R C C K L H D D C Y G E A E K S Q K C A P Y W T W Y T W K C G S D)
UniRef90_P00607 UniRef90_A0A023I9C9	L D R C C K L H D D C Y G E A E K S Q K C A P Y W T W Y T W K C G S D L D R C C K T H D D C Y A R A T K S Y S C T P Y W T L Y S W Q C L E K V D Q C C K V H D A C Y R A Q M R L P E C K G V S K K P Y F L R Y Q Q T C S R R	
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UniRef90_W5KDU7 UniRef90_P00615	V D Q C C K V H D A C Y R A Q M R P E C K G V S K K P Y F L R Y Q Q T C S R R L D R C C K I H D D C Y A E A E K H G C F L D P Y V K V Y S H S C S N E L D R C C Q V H D D C Y A E A E K H G C Y D R C C Y V H D N C Y G E A Q K R N C N P Y M K S Y S F K C A K R L D M C C K I H D D C Y A K A T K S Y S C A P Y W T L Y S W K C Y A S T D R C C L A H D C C Y E R L K N M G C G T K L S Y K Y S L S E G L D R C C K V H D D C Y G E A E N S L N C S P Y W T L Y T W D C T E N L D R C C Y T H D H C Y N D A K N I D S C K F L D N P Y T N T Y S Y S C S G S	٦
UniRef90_Q7T1R0	L D R C C Y V H D N C Y G E A Q K R N C N P Y M K S Y S F K C A K R	
UniRef90_A6MFM9 UniRef90_G1SRA0	LDMCCKI HDDCYAKATKSYSCA PYWTLYSWKCYAS TDRCCLAHDCCYERLKNMGC GTKLLSYKYSI SEG	
UniRef90_R4G2M6	LDMCCKI HDDCYAKATKSYSCA PYWTLYSWKCYAS TDRCCLAHDCCYERLKNMGC GTKLLSYKYSISEG LDRCCKVHDDCYGEAENSLNCS PYWTLYTWDCTEN LDRCCYTHDHCYNDAKNIDGC NPVTKTYSYTCTEP	ĺ
UniRef90_Q6SLM2 UniRef90_UPI00027F98DA	L D R C C Y T H D H C Y N D A K N T D G C N P V T K T Y S Y T C T E P L D T C C Q T H D H C Y D Q A K K L D S C K F L L D N P Y T N T Y S Y S C S G S	
UniRef90_P14615	LDRCCKVHDDCYGDAEKIPKCK PYYKTYSYDCSEG TDWCCARHDCCYQLLRKRGC GTKFLHYEFTLTGN	;
UniRef90_UPI00022B5934 UniRef90_P00609	T D WC C A R H D C C Y QL L R K R G C G T K F L H Y E F T L T G N	
UniRef90_Q0KKQ2	LDRCCKIHDDCYSDAEKKGC SPKMSAYDYYCGEN LDRCCKVHDDCYKASMKSPECSGFLLEPKSIHYWYTCSAR TDWCCHAHDCCYGRMAELGC DPKIEKYDFSVTRN	
UniRef90_F6V4W4	TDWCCHAHDCCYGRMAELGC DPKIEKYDFSVTRN LDRCCQTHDNCYSEAEKLSGCK PYLKTYSYDCSQG	
JniRef90_P07037	ILIDIO CONTIDIO CONTI	,

QUERY	⊏ ∏⊤	90	<u> </u>	C NI	100 CDBNAAD	110 120 C F S K A P Y N K E H K N L D T
UniRef90_UPI0003330673 UniRef90_G3TYR4	E I T	C S S K N K P	CEA <u>F</u> I	C N	C D R E A A I I	CFSKVPYNKQYKDLDT CFSKAPYNEEHKSLDK
UniRef90_UPI0003C2A918 UniRef90_H9G6L6	N I T	C N A D N D P	CEMH V	CE	CDRAAAII	C F S K A K Y D K A H K D L D K
UniRef90_UPI00045E187B UniRef90_UPI000388BD59	E I T	C S D S N K E	CQAFV	C N	C D R E A A I I	C F S G A P Y N K D Y K N L D T C F S K A P Y N P E N K N L D T C F A G A P Y N P D Y K N L D S
UniRef90_UPI0003959093 UniRef90_UPI0004443840	E I T	<mark>C</mark> S S K N K E <mark>l</mark>	CAMFI	C N	C D R A A A <u>K</u> (C F A K A P Y N P E H K K L D T C F S K A P Y N E E Y K N L D T
UniRef90_UPI00042AF702 UniRef90_L8B360	<u>E</u> VT	<mark>C</mark>	CEAFI	C N	C D R E A A I I	<mark>C</mark>
UniRef90_UPI0003597E8E	EVI	CSDKNNA	CEAFII	C S	CDQQAAL CDRTAAM	C F S K S P Y N K E N K G I
UniRef90_UPI000386FCEB UniRef90_U3EPH0 UniRef90_UPI0002C624CD	N L T	C K G D N D E I	CGAFIVI	C N	C D R S A A 🖂	<mark>C</mark>
UniRef90_UPI000333BA93 UniRef90_P00594	Vi T	C S S S N N E	C Q A F I I	CE	C D R N A A V	<mark>C</mark>
UniRef90_F00394 UniRef90_UPI00045721F7 UniRef90_Q45Z30	SIT	C S S T N N G	CKMSV	C N	C D R E A S M C D R T A A I	<pre>C F A E A P Y N E E Y K N L D K</pre>
UniRef90_UPI00038BB954 UniRef90_M3XIZ3	VVT	C S A K N N A	CEAFI	C N		C
UniRef90_R4G7E9 UniRef90_H3BG53	E V T	C T D D N D E <mark>l</mark>	CEAFII	C N	C D R T A A I I	C F A R A Y Y N K T N WN I D L C F S K A G Y D E K F K N L N T
UniRef90_P80966 UniRef90_Q9DF56	TVT	C K A D N D E	CAAFII	C N	C D RIVIA A H	C F A A S P Y N N N N Y N I D T C F A G A P Y N K E N K E L D [
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UniRef90_W5JYA9 UniRef90 H2UXE4	K I T	C K S N N N E	CEMFII	CE	CDRKAAE CDRVAS <u>H</u>	CFAIVISDYNEEHKHILIPS
UniRef90_Q75S48 UniRef90_UPI00022B0805	T I T	CNADNDE	CGAFII	C N	C D R T A A L	C F A K A P Y N E E N K E I D I C F A E A G Y N E E N A D I P S
UniRef90_Q90ZI4 UniRef90_G3PGI7	Q V T	C S A T N N K <mark>I</mark>	CQAAV	CE	CDRVAAH CDRDAAY	C F A Q T Q Y N P D N K N V D Q
UniRef90_A0A024AX12 UniRef90_F1N9G3	K I T	<mark>C</mark> NDHKKK <mark></mark>	CKII IFII I	C N	C D R T A A M	CFAKAPYII IFANNRII IDA
UniRef90_Q9DEB0 UniRef90_UPI0003BCA5E7	K V T	C S A T N N K	C Q K A A C Q A A V	Č E C E	C D R A A A H	C F S K A P Y D P A H L H L D K C F A R V K Y N P E H K N L D Q C F A Q N T Y N P E N K N L D H
UniRef90_A2BD69 UniRef90_R4G2E0	NI S	<mark>C</mark>	C D M H II	CN	C D L N A A L I	C F S R A S Y S K K H K N L N K C F A R A Y Y N E E N W D I D T
UniRef90_R4FIQ4 UniRef90_G3Q2F3	E I T	<mark>C</mark> T D D N D E <mark>'</mark>	C Q A F II I	C N	C D R T A A L	C F A R A P Y D K D N WN I N T C F A V S P W I P E H E H L P S
UniRef90_T1J463 UniRef90_B1H311	T I 🔲	C T Q T T D N	CSKEL	C A	C D K K A A E (C F A R Y E Y N E K H R N C F S R A G Y N S A Y K N L D K
UniRef90_B8QN52 UniRef90_A6MFM0	E I T	C	CEMFIVI	C N	C D R T A A M	C F S K A P Y D P A H H R L D K C L A K A P Y N T K N F M I L D
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UniRef90_A9C458 UniRef90_H3D1N0	<u></u> VS €	CNADKNP CSAINDP	CEMF I	C E	CDRIIAAH CDRIVAAH	C F A Q A G Y N P E Y E H Y P S C F A Q Y P Y N P E Y K N L D
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UniRef90_UPI0004572207 UniRef90_P23028	K I <u>I</u>	C S S D N D P	CAEAII	CE	CDRQAA L	C F A K S P Y N E D Y K R L D T C F A R F P Y N K N Y W S L N T
UniRef90_F5CPF1 UniRef90_Q9PUH7	K V I G P Q	C R G N T T K C D D S E T G	C K A F \/		C D R V A A N	$^{\circ}$ F $^{\circ}$ K $^{\circ}$ P $^{\circ}$ N $^{\circ}$ R N $^{\circ}$ N
UniRef90_A0A024AXD2 UniRef90_R4G2X1	GPY	CRNIKKK	CLRAV CEGSV	C D C D	C D V E A A E C C D A K A A I	C F A K A P Y N K E N Y N I K T C F A R T P Y N N D F Y N I D T C F A G A P Y N S A N K I N T
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UniRef90_Q45Z42 UniRef90_Q9DF52	A P S N L T	CLNASNS CNTKTD CTDTADT	C Q R F V C A <u>R</u> F L	C N C D	C D A K A A E C	C
UniRef90_P30811 UniRef90_U3J268	EIIT	C S S T N D E	CEMFI	C N	CDRTAAM	CLAGATYNDENKNINT CFAKAPYNPGH
UniRef90_UPI0003346618 UniRef90_P00616	E I T	C N S K N T P C N D D N D E	CKAFL	C N	C D R T A A I I	C F A K A P Y N P G H C F S K A P Y N K E H H N L D L C F A G A P Y N D L N Y N I G M
UniRef90_Q4VRI7 UniRef90_UPI0003318AFC	A P S	N S K T Q	C E Q F L	C N	C D A K A A E C	CFSKSEYHEEYKDL DK
UniRef90_U3F588 UniRef90_Q9PRG0	G P Q	C D D S E T G	S R R F V	C G	V D A T A A K	C F A K A P Y N N K N F K I D P
UniRef90_P00607 UniRef90_A0A023I9C9	TPT	CSASNDK	Q R F V	C E	C D R R A A L	C F A K A P Y N K E N Y N I D P
UniRef90_R4FI60 UniRef90_W5KDU7	KAS	NSKTQ CSGSNAK	Q H F V	CE	C D R V A A H	CFAQHVYNSAYKNLSQ
UniRef90_P00615 UniRef90_Q7T1R0	T L F	NSKTQ CYDAPGS	C A R F V	C D	C D R T A A L	CFGDSEY GRHKNIDT
UniRef90_A6MFM9 UniRef90_G1SRA0	Q T T	N S K I R	C R S Q L	CE	C D K A A A S R	C F A Q N S Y N T K L R N Y P S
UniRef90_R4G2M6 UniRef90_Q6SLM2	TIT	C N D S K D K	CARFV	C D	CDAVAAK CDRTAAL	CFAKAPYNKENYNIDP CFARAKYIPGHKNLD CFSQETYNKNNFGIDT CFAQHVYNSAYKNLSQ CFAQEDYNPAHSNINT CFAQEBYNPAHSNINT CFARARYNPANYNINT CFARARYNPANYNINT CFARARYNPANYNINT CFARARYNPANYNINT
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UniRef90_UPI00022B5934 UniRef90_P00609	K L E	C R N L K K K	Q A Q V	C D	C D V E A A F	C F A K K S Y K K S Y Q F Y C F A K A P Y N N A N WN I D T
UniRef90_Q0KKQ2 UniRef90_F6V4W4	R V T	C S A T N N K	C K A A A C Q R L T	C E C D	CDRAAAH CDK <u>T</u> AAL	C F A K A P Y N N A N W N I D T C F A Q A K Y N P E H K H V D Q C F R G N T Y N R K Y A H Y P N
UniRef90_P07037	K L T	C S G N D D K	CAAF V	CN	CDRVAAL	C F A G A P Y [D D N Y N V D L

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UniRef90_O42187 UniRef90_UPI00042BE200 UniRef90_R4FK41	LDRCCQVHDN	<mark>C</mark>
UniRef90_UPI0003292F43 UniRef90_UPI000334120C UniRef90_G3I6R9	T D W C C L H H D C T D W C C A R H D C	CYERAQKAG <mark>C</mark> SPKMELYSWQ <mark>C</mark> QNQ CYKRLDKLKC RPKSLKYDVTIISGS
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UniRef90_Q9Z0L3-4 UniRef90_G1Q0Q3 UniRef90_X1YJE4	T D R C C A A H D C	CYRRLEKQK <mark>C</mark> GTKFLNYNFTYRKG CYSTA NCPMFLEYFVPYLWK <mark>C</mark> YRG
UniRef90_UPI000333439E UniRef90_UPI0003330350 UniRef90_UPI0003330350	TOWCCDKUDC	C V A NIT K T LL D C D T O T D V V K E T E S O C
UniRef90_UPI0003C4C205 UniRef90_UPI00033185C3	T D R C C A E H D C S D W C C N A H D C	CYERLEKLIG <mark>C</mark> GTK <u>LL</u> EYDFTYEYG CYDHLROHKCKSF TDNYKYKFSNG
UniRef90_Q3HLQ4 UniRef90_B0LSG1	T D R C C F V H N C T D R C C F V H D C	U Y E K IV II S U S P K W D Q Y II IY S W E N G

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UniRef90_S7NL43 UniRef90_UPI000273ACC7 UniRef90_UPI000333D161 UniRef90_UPI0003C28228 UniRef90_UPI00045D9555 UniRef90_USJRZ3	VI TC GS GSK YI I CAGR TT DI VC GGD DP SAVC DS EDE TI QC SDKGSW	CQNQIC CQRQTC CKKEIC CQEMMC CEQQLC	S C D K T V A Y C E C D K K A A L C E C D K A A A L C E C D S E A A K C A C D K E V A L C	CMLRNTYNTKYQSFPNCFRRNTFDRKYVNYPNCFLNNTYNEEYNNYRKCFAKAPYNSKYIFWPCLKRNTYQKSLRYY W
UniRef90_L5JRZ3 UniRef90_B0LSF5 UniRef90_P45881 UniRef90_UP100032AFF36 UniRef90_UP100032AFF36 UniRef90_UP100032AFF36 UniRef90_UP1000331955D UniRef90_P59170 UniRef90_P59170 UniRef90_R4G2E6 UniRef90_R4G2E6 UniRef90_H8PG83 UniRef90_E1BGU4 UniRef90_B1BGU4 UniRef90_UP100033475D7 UniRef90_P29601 UniRef90_B0C3 UniRef90_B1BGU4 UniRef90_UP100033475D7 UniRef90_UP100033475D7 UniRef90_UP10003508D46 UniRef90_UP10003F08D46 UniRef90_UP10003F08D46 UniRef90_UP10003F08D46 UniRef90_UP10003F08D46 UniRef90_UP10003F08D46 UniRef90_UP10004441F7B UniRef90_UP100044442E1 UniRef90_UP100044442E1 UniRef90_UP100044442E1 UniRef90_UP100049D6464 UniRef90_UP100029D6464	STTNTNNDTTTKDSDSDSDSSDSNDNND GGGEGGNNKGKKEGNQ NKQNGONNND FGEKRDSDNGLNFKDEDDK LDSDKGG GGD FGEKRDSDNGLNFTADDDAK LDSDKGG GGD FOLCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	CCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	E C C C C C C C C C C C C C C C C C C C	CLKRNTYNKEYQYYPN CFRENTYNKEYQSYGW CFRENTYNKEYYQSYGW CFRENTYYKDEYQSYGW CFRENTYYKDEYYRYYDDR CFRENTYYKDEYYRYYNLSST CFRENTYYKDEYYRFI CFFRENTYYNNKHINP CFFRENTYYQKHLRYYLDR CFFRENTYYQKHLRYYLDR CFFRENTYYQNRFI CFFRENTYYQNNRNHHINP CFFRGAGAPYNNNNNHHINP CFFRGAGAPYNNNNNHHINP CFFRGAGAPYNNNNYRFFP CFFRGAGAPYNNNNYRFFP CFFRGAGAPYNNNYKKYQYYYY CFFRDNNLKRNTYYNKKYQYYYNN CFFRDNNLKRNTYNKKYQYYYNN CFFRCASASYNNKKYYQYYYNN CFFRRNTYNKKKYQFYNN CFFRRNTYNKKKYQFYNN CFFRRNTYNKKKYYRYN CFFRRNTYNKKKYYRYN CFFRRNTYNKKKYQYYYN CFFRRNTYNKKKYQYYYN CFFRRNTYNKKKYQYYNN CFFRRNTYNKKKYQYYNN CFFRRNTYNKKKYQYYNN CFFRRNTYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKYYNKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKYYNKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKYYNKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKYYNKKKY
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UniRef90_UPI0002C55E6D UniRef90_UPI0002C55E6D UniRef90_I3MD59	QLGEMLECLT SRCPEEFESYGCYCGOEGRGEPRDA	
UniRef90_F6ZRV6 UniRef90_UPI0002C69441 UniRef90_R0LW78	GLUNLNKMVR QVTKKIPLLNYWPYGCHCGLGGRGQPKDA LLQFGLMIE RLTGKSAL DYNDYGCYCGLGGSKWPVDE SLLELNSMIE KVTGKTAVTDYGFYGCYCGFSGRGTPKDG LWDLQKMLT KVTGRNAFLYYSSYGCYCGLGGRGRPKDA SLLQFGAMI LEETLRNPVTSYSAYGCYCGVGGRRQPMDA	; ;
UniRef90_Q5G290 UniRef90_UFI000440B9D7	SLUQFGAMI IEETURNPVTSYSAYGCYCGVGGRRQPMDA QFNNMIQCTVPARS WWDFADYGCYCGS GSGSPVDD LGKMLHC LTGRCP QEYQFYGCYCGQQGKGMPMDK GLLDLKSMIE KVTGKNALKNYGFYGCYCGWGGQGTPKDG)
UniRef90_UPI0003331E2D UniRef90_UPI00042C5F0D UniRef90_Q9PVF3	S L L E L R <u>V </u> M	;
UniRef90_G3FV73 UniRef90_F6ZRZ5 UniRef90_G3SLG8 UniRef90_A8E2V4	LNLNKMIK QVIGKLPFFIYWFYG <mark>CHC</mark> GPGGKGHPKDA	
UniRef90_R4FIM5 UniRef90_UPI0000523823	L L Q F E G M I M T L A G R S G L WY Y G S Y G C Y C G A G G Q G K P Q D A L M Q F S N M I Q C A N H R S R P T S H Y A D Y G C Y C G K G G S G T P V D A L D F H H A I E C H Q P E V I L L G T Y G K Y G C Y C G F G G S G T P V D A G L L E L A G T V H C A G L R T A M A Y M N Y G C Y C G L G G H G Q P R D A	
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UniRef90_G3SX93 UniRef90_L9L022 UniRef90_UPI00033318C9	I IT N E W N MII IRII IK	
UniRef90_W5LX63 UniRef90_UPI000443D16B UniRef90_F1SZV7	LANFWHMILLK TGKRAETSYGFYGCYCGLGGKGTPKDAGLLELAGVIKCSTGRS AIAYIMYGCYCGLGGGGWPRDKGILNLNKMVR ELTGKIPLFSYWTYGCHCGLGGRGQPLDASLVQLWKMIK EETGKNPFPSYTFYGCYCGLGGGRGRPRDALLSFRKMIKYT TGKEPVSTYGFYGCYCGLGGKGSPKDA	
UniRef90_UPI0003C86153 UniRef90_UPI0003EBEB04 UniRef90_Q6H3C9	Y N N Y (3 C Y C (3 F (3 (3 K (3 1 P R 1) (3	i
UniRef90_L9KXZ2 UniRef90_G3TNQ0 UniRef90_UPI0003C262A7	E E D K MIL DIL VIT C K E A A S S V C E V C C V C CIL C C K C S D K D A	<u> </u>
UniRef90_UPI0003C262A7 UniRef90_UPI00035998BE UniRef90_UPI0003945E5F	L P Q L G E M L Y C L T D R C P Q E F E S Y G C Y C G Q E G R G S P A D V L P Q L G E M L Y C L T D R C P Q E F E S Y G C Y C G Q E G R G S P A D V W Q F G N V F V C L F P L S G P F E Q R L N Y G C Y C S F F S P D L L L E D L P Q L G E M L F C L T G R C P E E F E S Y G C Y C G Q E G R G D P A D A C L P Q L G E M L F C L T G R C P E E F E S Y G C Y C G Q E G R G D P A D A C L P Q L G E M L F C L T G R C P E E F E S Y G C Y C G Q E G R G D P A D A C C C C C C C C C C C C C C C C C) \
UniRef90_UPI0003945E5F UniRef90_F6WR52 UniRef90_P0C616	SLVELGKMI LQETGKNPLTSYGVYG <mark>C</mark> NCGVGGRHKPKDG	
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UniRef90_UPI000328FA10 UniRef90_Q6H3C7 UniRef90_B0LSF9	L Y Q F G N M I N C T M P G G S P L L D Y A D Y G C Y C G S G G G G T P V D D S L T N F W E M I WA V T G K E A V T S Y G F Y G C H C G L G G K G S P K D A L L Q F E T M I K M T K Q T G L F S Y S F Y G C Y C G W G G H G R P Q D P L I Q F E T L I M K L A G R N G V F W Y S A Y G C Y C G W G G Y A R P Q D T	
UniRef90_G1QDI4 UniRef90_UPI0003C44AD1 UniRef90_G5B4E8	LIQFETLIM KIAGRNGVFWYSAYGCYCGWGGYARPODTLLDFWKMVWLATGKDAVSSYGSYGCYCGWGGRGTPIDASLWELQRMIK EVTRKSALPNYSHYGCYCGWGGAGMPKDSGPRPPIVYMQYGCFCGLGGHGQPRDS	;
UniRef90_Q7QFU1 UniRef90_V9LCE5 UniRef90_UPI0004447929	GVYNLYSMIKCA TG <mark>C</mark> DPLI YKGYG <mark>C</mark> YCGFLGSGQALDG SVIELVGMLRCSTGRS ISYLTYGCYCGIGGRGWPRDK GLIELVETMGCV GIRTPLAYVNYGCYCGLGGQGQPQDA	<u>`</u>
UniRef90_Q9PVE9 UniRef90_F6XLG8 UniRef90_UPI0003F11727	LLQFRKMI HL LIGREPIVESYAFYG <mark>C</mark> YCGEGDKGSPKDA	
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UniRef90_L5JT89 UniRef90_UPI00038F0D78 UniRef90_R4G2M4	GILNLNDMVK QMTEKTPII SYWFYGCHCGLGGKGPPLDA MIHLA TGKNPFIAYGFYGCHCGLGGNGSPKDE LIQFGDMIECANQNTRSALDYMDYGCYCGKGDSGTPVDD	<u>.</u>

		80
UniRef90_UPI00032B24B5 UniRef90_L9L1C5	T D W C C H A H D C C Y A Y L K A H K C R I H S D L Y K Y	'NFSQG 'SFSQG
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UniRef90_P00626 UniRef90_UPI0003340235	T D R C C F V H D C C Y G N L P D C S P K T D R Y K Y S D W C C H R H D C C Y E V A E K A G C Q P K L D R Y S V	′HRENG VK <mark>C</mark> VND
UniRef90_W4Z6N6 UniRef90_UPI00032B1F82	L D S C C E A H D N C Y E R L K N N F D G Q C N V Y Y S S Y K Y L D W C C H R H D C C Y S <u>R A</u> E <u>E</u> A G C S P K L E Q Y P V	′ S <u>L S D P</u> V Q <mark>C </mark> V N K
UniRef90_S7PD14 UniRef90_G3I6S0	I D C A V T T V S V	TFSQG W <mark>C</mark> SEN
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UniRef90_UPI0002C55E6D UniRef90_UPI0002C55E6D	LDRCCFSHHCCLEQVRQLGCLLERLPRS	/ E C A D G
UniRef90_I3MD59 UniRef90_F6ZRV6	II ID WCCHAHDCCY GRMNKILIGC DPKILIEKYNF	T F S Q G S M T E T
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UniRef90_Q5G290 UniRef90_UPI000440B9D7	L D R	'E <mark>C</mark> SQG '/S <mark>C</mark> QHG
UniRef90_UPI0003331E2D UniRef90_UPI00042C5F0D	TDWCCWI HDHCYGRI IFFFGC GI IRTOSYKY	′ R F T Q D ′ R V A <mark>C</mark> G
UniRef90_Q9PVF3 UniRef90_F6ZRZ5	T D R C C F V H K C C Y K K V T G C D P K K D R Y S Y T D R C C M A H D C C Y S K I K K K G C N P Y A O T Y N Y	′ S WE N K ′ K Y <u>Q</u> A G
UniRef90_G3SLG8 UniRef90_A8E2V4	T D W C C R A H D C C Y A L L K N E R C R F H T D N Y R Y S D R C C F V H D C C Y G K V T E C N P K K D S Y T Y	′ T E E N G
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UniRef90_H0XBM2 UniRef90_F1SUN7 UniRef90_P0DJJ8	LDWCCHRHDCCYTRAEEAGC RPKTERYSY TDWCCAAHDCCYKQLKKRGC GTKLLSYKL TDSCCYVHKCCYKKVTGCD PKMDSYSY	_S T I_S
UniRef90_F1PW03 UniRef90_F1PW03	LDRCCFSHHCCVEQVTRLGCLSERLPGSL	/ECVDG
UniRef90_W5PI87 UniRef90_R4FI56	T D W C C H E H D C C Y R H L K S D K C D I I F N H Y H Y L D R C C Q I H D N C Y A E A G K K R C K P K L T L L Y S V	′ T F F R G VK <mark>C</mark> A K D
UniRef90_UPI0003834520 UniRef90_Q92147	SDRCCEVHDCCYGKVTGCD PKDDEYLY	′DWASS ′SSFNG
UniRef90_G3SX93 UniRef90_L9L022	T D W C C W H D H C Y G L L E E K G C N T Q S Y K Y T D R C C A A H D C C Y K R L V K R G C G T K F L S Y K F	SYSKG
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UniRef90_F1SZV7 UniRef90_UPI0003C86153	TDWCCKVHDCCYAHLRQHLCRH TDRCCLMHDCCYENLTGCK TKTDPYPY TDRCCVAHDCCYRRLKRIGCGTLL SYKF VDACCQLHDKCYKNSRKLPGCGDVENLPYLIDFDF	'SQKNG SYLRG
UniRef90_UPI0003EBEB04 UniRef90_Q6H3C9		SEENG
UniRef90_L9KXZ2 UniRef90_G3TNQ0	TDWCCAFHDCCYKRIIFKHGC GTKII ISYQF	VQ <mark>C</mark> VNQ TYRGG
UniRef90_UPI0003C262A7 UniRef90_UPI0003C262A7 UniRef90_UPI00035998BE	II ID R C C R A R D K CII IA OIVID VII IG N C G MII I IR N P V T T S V S V	/ V C F D H / V C F D H / S C S G T
UniRef90_UPI00035996BE UniRef90_UPI0003945E5F UniRef90_UPI0003945E5F	L D R C C F S H H C C ME Q V K K L G C H A E I N L R S E V L D R C C F S H H C C ME Q V K K L G C H A E I N L R S E V L D W C C H A H D C C Y T H L K Y H K C R R R R W D R Y H Y	/ VI <mark>C</mark> F D H
UniRef90_F6WR52 UniRef90_P0C616	I D R C C Y IV IH K C C Y K K M I D C D P K K D R Y S Y	TFSEG SWKDK
UniRef90_Q7T2Q4 UniRef90_UPI000333C08F	L D R C C Q T H D N C Y G E A E K L T K C S P Y Y K T Y K Y I D W C C H Y H D C C Y T R A E E A G C S P K M D R Y S V	′
UniRef90_F5CPE9 UniRef90_UPI000328FA10	LDRCCQAHDNCYGEAETVHKC NPFWTFYSY TDRCCVAHDCCYYRLQKRGC ATKSLNYKF	: S <u>Y</u> R G G
UniRef90_Q6H3C7 UniRef90_B0LSF9 UniRef90_G1QDI4	T D R C C F V H D C C Y G K V T N C D P K A A A Y S Y S D R C C F V H D C C Y G K V T G C N P K K D F Y S Y T D R C C A E H D C C Y E H L E K W G C G T K S V N Y N S	′ S E E N G
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UniRef90_Q7QFU1 UniRef90_V9LCE5	LDRCCKMHDYCYSTA SCPMFLEYFVPYLV TDWCCYTHDCCYGKAEDIGC HPKTDSYSV	VS <mark>C R</mark> Y F
UniRef90_UPI0004447929 UniRef90_Q9PVE9	A D W C C H H H D C C Y S Q A E E A G C S P K L N R Y S V T D R C C F V H D C C Y G K V T N C N P K T A T Y S Y	VK
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UniRef90_UF100046B3115 UniRef90_L5JT89 UniRef90_UP100038F0D78	□DQCCQQHDCCYSRTEDAGC TDRCCHAHDCCYAHLRHHRC RUHTDHYNY TDWCCARHDCCYHLLRKRGC GTKFUNYKF	′ N <u>F</u> S H G
UniRef90_R4G2M4	LDRCCKIHDDCYGEAENSLNCS PYWAWYTV	VQ <mark>C</mark> TĔŇ

	0	^	100 110 120
UniRef90_UPI00032B24B5 UniRef90_L9L1C5	9 I	CFQQL	100 120 C A C D K E L A L C L K R N L D T Y K H L R Y Y W C A C D K E M A F C L Q R N T Y Q K S W R Y L R R
UniRef90_UPI0003344838	KVLCGPVENK	CQDLS	<mark>C</mark>
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UniRef90_H3DMM6	TVKCDDLKDK	CEKLL	CRCDREAARCERKAPFIQKY CACDRRLVYCLRRNSYNPSYRFFPR
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UniRef90_E5T1H8	N P T C S S D K N K	CAQAL	CNCDRETATOLGKQPVPKDKKQ <mark>C</mark> NY
UniRef90_H0XBM2 UniRef90_F1SUN7	SIL <mark>C</mark> GPAENK DLVFSEPQDD	CQELLC	C
UniRef90_P0DJJ8 UniRef90_F1PW03	A I V C G E K N P P T A K C V G R S L	CLKQV	CQCDKLAADCFARNTYNVKLQYYSN CECDKAVALCLRENTYNKKYTLYP
UniRef90_F1PW03	TAKC VGRSL	CAQLL	CACDQTAAECMASAAFNLSL CACDQTAAECMASAAFNLSL CACDKTLAFCLQRNTYKSHLRHLS
UniRef90_W5PI87 UniRef90_R4FI56	NVQCSTKGSW VPVC NSKSV	CEQQL	C
UniRef90_UPI0003834520 UniRef90_Q92147	SPSC RKGSW DIVCGDD DL	CSQLS	C D C D A A A A K C F A K A P Y N K N N I G I G S C E C D R S L A L C L K R S S Y R R S H R F Y P R C E C D K A <u>A A I C F</u> R D N T Y Q N K Y W F Y P A
UniRef90_G3SX93			<u> </u>
UniRef90_L9L022 UniRef90_UPI00033318C9	AIIK <mark>C</mark> AK QGS QIITCAANQSS	C K T Q L C R K Q L	C
UniRef90_W5LX63 UniRef90_UPI000443D16B	AADCESLKNK	CERTL	C R C D R E A A E C L R K A P Y L P K Y
UniRef90_F1SZV7	VMVCGGGGTW	CKKQI	C E C D K A T A L C L R D N T Y N K E Y Q F Y
UniRef90_UPI0003C86153 UniRef90_UPI0003EBEB04	QVVCDKQE Y RVTCSAANKT	C R S E L C Q A A V	C
UniRef90_Q6H3C9 UniRef90_L9KXZ2	DIVCGGD DP	CRKAV	C E C D K A A A I C F R D N K D T K K Y WR F P T
UniRef90_G3TNQ0	QLICVSKQGF	ČRSQL	C E C D R K A A Y C F A K N T Y K K R F K Y Y P N
UniRef90_UPI0003C262A7 UniRef90_UPI0003C262A7	KPKC II GWS M K <u>P</u> KC II GWS M	ICEKLL	CSCDQIAAECMAAAVFNDSLK VPS CSCDQTAA <u>EC</u> MAAAVFNDSLK VPS
UniRef90_UPI00035998BE UniRef90_UPI0003945E5F	AVT CSDKNNP	CEAFI	CECDKAAAYCFAKNSYDSSYQYFPRCCCCCDKAAAYCFAKNSYSLKYRYFPNCCRCDKAAAYCFAKNSYSLKYRYFPNCCRCDREAAECLRKAPYLPKY CACDKEVALCLQRNTYQKRLRYYRRCCECDKATALCLRDNTYNKEYQFY CCCQCDKRAAADCFARNTYNKKLQNYSNCCECDRAAAHCFAQNTYNKKLQNYSNCCECDRAAAHCFAQNTYNPENKNLDQCCECDKAAAICFRDNKDTKKYWRFPTCCCCDKAAAICFRDNKDTKKYWRFPTCCCCDRAAAAICFRDNKDTKKYWRFPTCCCCDRAAAICFRDNKDTKKYWRFPTCCCCDRAAAAICFRDNKDTKKYWRFPTCCCCDRKAAYCFAQAKYNLKFLFY
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UniRef90_UPI000328FA10 UniRef90_Q6H3C7	KVTCAK QDS GIVCGGD DP	C K S Q L C K K Q I	C
UniRef90_B0LSF9 UniRef90_G1QDI4	EIVCGGD DP QIICGD QDY	CKKQI	C E C D R VA A I C F R D N T Y D D K Y WR F P T
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UniRef90_G5B4E8 UniRef90_Q7QFU1	QVQCGPAENK RPLCAIDHGS	C Q E L M C A S R L	C
UniRef90_V9LCE5	T P R C G N I Y D E	CEKMI	CDCDVQLSKCLKKAVYQRKYSFWPN
UniRef90_UPI0004447929 UniRef90_Q9PVE9	KI QCGPAENK GI VCGGD DP	CKKOV	C E C D R V A A M C F R D N K D T Y K Y W K L P P
UniRef90_F6XLG8 UniRef90_UPI0003F11727	DI <mark>H C</mark> S D K G S W QI L S A K Q D Y	/ <mark>C</mark> EQQL GRROL	CACDKEVAFCLKRNLDTYKKRRFYW CQCDKVAAFCFARNTYNKKYQYYNK
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UniRef90_UPI000388B760 UniRef90_UPI00046B3115	DIL <mark>C</mark> GG KTV SV <mark>V</mark> CGPAQSK	C Q E L L	CKCDQEIASCLARTIYNFKYLFYPK
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Jimerego UP1000327-005	UniRef90_P23027	IL VIE F G F MILIR CANRNS O PAWO Y M D Y G C Y C G K R G S G T PIVID D
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Jimeley Jime	UniRef90_F6YIJ4	GLIELAGTVSCV GSRSPLAYVNYGCYCGLGGNGYPVDD
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Similer Sezres Sez	UniRef90_UPI000386F50B	LPQLGEMLFC LTERCP EEFESYGCYCGQEGRGYPADA
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UniRef90_G1KKJ3 UniRef90_G1KKJ3 UniRef90_UPI0003C2A5D4 UniRef90_UPI0003F07476 UniRef90_H0VDB8 UniRef90_UPI0003EBD474 UniRef90_UPI000388A3EF UniRef90_UPI000388A3EF UniRef90_P23027	PKC I GWT MCEKL L CSCDKAAAECMAAASFNETFSSPKC I GWT MCEKL L CSCDKAAAECMAAASFNETFSSVLCGY GSWCTEQSCDCDKRLVLCLKKNSYNKKYRFIHCSLDGTWCERHLCDCDKKLAKLKHNTYNKYLRFIGSCDGSDKGSWCEKQLCACDKAMAFCLKSNTYQKKLRFIFC VLQDHCRRQLCECDKAAAYCFARNTYKRRYQVVTCGSSNNECEMFICECDRKAAAYCFARNTYKRRYQVVTCGSSNNECEMFICECDRKAAECFGRSEWNPEHEHLYCGEFM	Y W Y P N IL P S
UniRef90_UPI0003C25875 UniRef90_Q92152 UniRef90_W2T7B9 UniRef90_UPI0002740AC2 UniRef90_UPI0003C271CB UniRef90_E6YIJ4 UniRef90_G3VUI7 UniRef90_UPI00026580BA UniRef90_UPI000333C3EB UniRef90_UPI000333C3EB UniRef90_UPI000333C3EB UniRef90_UPI00045424EB UniRef90_UPI00045424EB UniRef90_UPI00045424EB UniRef90_UPI00045424EB UniRef90_UPI00045424EB UniRef90_UPI00046C0F34 UniRef90_UPI00046C0F34 UniRef90_UPI00045C0F34 UniRef90_UPI00045A2F3F UniRef90_UPI00045A2F3F UniRef90_UPI00045ACE58 UniRef90_UPI00045ACE58 UniRef90_UPI000386F50B UniRef90_UPI000386F50B UniRef90_UPI000386F50B UniRef90_UPI00042AC956F	ITCS IVCGGD DPCTKEVCECDKAATICFRDNTYDKKYKI AVCAPNQTSCKAAICECDLAVVNCWAKQP TKAAGKNKDCQAFIICNCDRNAAICFSKAPYNADNKN IICGETWKSCEKMICECDLAVVNCWAKQP TKAAGKNKDCQAFIICNCDRNAAICFSKAPYNADNKN VVCEPTADKCQELMCKCDQEFAYCLAPTTYNLKYNH VVCGPTADKCQELMCKCDQEFAYCLAPTTYNLKYLF ITCGS GSSCQKAICSCDKAAAAYCMKNNSYKVKYRN IYCSLTDSGCAQQLCDCDLQFARCISRYP AKCGGG QSLCEKLLCACDQTAAAECMASAFFNQSLK IVCGDD KNACKKKVCECDDRVAAICFAAKHSYNKNLWR VVCGGD KNACKKKVCECDDRVAAAICFAKHSYNKNLWR PECTGW NACEKLLCSCDRTAAECLAAASFNNSLPP TTCSSKNDACRQSLCECDRTAAECLAAASFNNSLPP ITCSSKNDACRQSLCECDRTAAECLAAASFNNSLPP ITCSSKNDACRQSLCECDRTAAECLKKKHSYDGNYLF ITCADD QGVCRRIVCECDKKAAALCFARRAPFSQKYV VACDDLKDKCEKLLCSCCDRTAAECLKKKHSYDGNYLF PTCDS ETGCKASVCACDAAAAKCFAKAPYNNANWN VTCSDF ESWCQWASCQCDSAFVLCLKKKHSYDGNYLF PTCSD NNECKAFIICNCDRQAAICFSKQ VYCGF ESWCQWASCQCDSAFVLCLKKKHSYDGNYLF PTCSD NNECKAFIICNCDRQAAICFSKQ VTCSD NNECKAFIICNCDRQAAICFSKQ VTCSD NNECKAFIICNCDRQAAICFSKQ VTCSD NNECKAFIICNCDRQAAICFSKQ VTCSD NNECKAFIICNCDRQAAICFSKQ PKC IGWS MCEKLLCACAKTAAECMASAFFNESLK	N P S I P S I P R Y P R Y P R N Y P P I I N T G I G T
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UniRef90_ UniRef90	_G1KKJ3 G1KKJ3	R Q A <mark>C</mark> R Q A <mark>C</mark>
UniRef90	UPI0003C2A5D4	
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UniRef90	_UPI00045424EB	R P G C
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UniRef90	Q0IIC8	S
UniRef90_ UniRef90	_H2U8E1 UPI00046C0F34	DKHC
UniRef90	_UPI00046C0F34	DKH <mark>C</mark>
UniRef90_ UniRef90	_R4G2F3 UPI0004542F3F	DTRC
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UniRef90_Q9QX68 UniRef90_U6CYA9 UniRef90_F7E4C1 UniRef90_F7E4C1 UniRef90_F7E4C1 UniRef90_Q2YHJ9 UniRef90_Q2YHJ9 UniRef90_UPI00033291BA8 UniRef90_UPI0003291BA8 UniRef90_UPI0003291BA8 UniRef90_UPI0003291BA8 UniRef90_UPI0003291BA8 UniRef90_UPI0003291BA8 UniRef90_UPI0003291BA8 UniRef90_UPI0003291BA8 UniRef90_UPI00034F80 UniRef90_UPI00034F80 UniRef90_UPI00034F81D8 UniRef90_UPI00034F81D8 UniRef90_UPI00034F81D8 UniRef90_UPI00034F81D8 UniRef90_UPI00034F81D8 UniRef90_UPI00034F81D8 UniRef90_UPI00034F81D8 UniRef90_UPI00034F81D8 UniRef90_UPI00034F851 UniRef90_UPI0003AF4E73 UniRef90_UPI0003AF4E73 UniRef90_UPI0003AF4E73 UniRef90_UPI0003F0EDD5 UniRef90_UPI0003F0EDD5 UniRef90_UPI0003F0EDD5 UniRef90_UPI0003AF7818 UniRef90_UPI0004432E77 UniRef90_UPI00034F2D42 UniRef90_UPI00034F2D42 UniRef90_UPI00034F2D42 UniRef90_UPI00034F2D42 UniRef90_UPI000395A5D9 UniRef90_UPI000395A5D9 UniRef90_UPI000395A5D9 UniRef90_UPI000395A5D9 UniRef90_UPI000395A5D9 UniRef90_UPI000395A5D9	GLLIUNGERGEMLECCHYVAAGGESSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	GCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	A A A E E A Q D A E G E R E A A A A A P S A A A A D D A A D D D D D D D D D D D
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UniRef90_P0CAR9 UniRef90_S4RSH3	V D R C C	FVHDC QAHTK	Y P K T A F T L K F E N Q Y E Q V Y K M S C S P H W D P Y Y F S L R G K
UniRef90_UPI0002C42EFA UniRef90_P86453	TDRCC	YVHKCC	Y E R L E K H G <mark>C</mark> G T K <u>L L</u> S Y D F Á Ý R G N Y K K <u>L</u> T G C N P K <u>K D R Y S</u> Y S <u>W</u> K D K
UniRef90_H8PG82 UniRef90_A0A016W1F0	IDKCC	MHHDNC	Y A K A E T S Q C N P K L Q L Y L W Q C G S D Y D A A V N A G L C R D V A Y Q Y L S S Y K W K C V N R
UniRef90_UPI00046BE618 UniRef90_Q9QX68	CC	QII H D R 🤇	C Y D Q A K K L D T
UniRef90_U6CYA9 UniRef90_F7E4C1	T D W C C S D R G E	WAHDY <mark>(</mark> QDQKV	CYGWLEEKG <mark>C</mark> QLRTQPYTYTFAHG SKLSTEVD <mark>C</mark> VGK
UniRef90_F7E4C1 UniRef90_UPI00039440A8	S D R G E T D R <mark>C C</mark>	QDQKV QLHDA	SKLSTEVD <mark>C</mark> VGK DAKARSYYYSWHHG
UniRef90_I3N450 UniRef90_Q2YHJ9	TDRCC	YMHKCC	CYKRILEKRG <mark>C</mark> GTKFI <u>L</u> SYKFKYQAG CYKKILTDS NPIIKDRYSYSWENK
UniRef90_UPI0003F1661B UniRef90_UPI0003291BA8	T D W C C S D S C C	RNHDCC FQHRRC	CYSHLIKSQR <mark>C HI INTDSYRYNFSQG</mark> CYEEAAEMD C L QDATKLIPMEVD <mark>C</mark> I I GK
UniRef90_UPI0003291BA8 UniRef90_H6BFA3	TDRCC	FIVIH D C C	Y E E A A E M D C L Q D A T K L P M E V D C L G K Y G K A T D C N P Q T V S Y T Y G E E N G Y G S L E K L G C E P M L E T Y L F S V S R H
UniRef90_UPI0002BCD839 UniRef90_P10116	I DRCC	KTHDDC	CYGQAFKKG <mark>C FPF T YNF <mark>C</mark>FPG</mark>
UniRef90_P70090 UniRef90_U6PXC9	IDKCC	MHHDNC	YKKLTD <mark>C</mark> D PIKDRYSYSWVNK YRDAVENKL <mark>C</mark> RD TALEYVLVYNWQ <mark>C</mark> TNS
UniRef90_W5NS89 UniRef90_UPI0004440F64	VD WCC	HAHDCC	Y A QLET Q D C DV LT Q A Y R Y R V A WG Y Q K L F D L G C R T Y V D H Y E Y S I Q N D
UniRef90_T1J145 UniRef90_U3EPG6	L D R C C	QVHDE Q	YTELMKTNVCS KFNLYSSQYKWKLRNK YDEASKVHKCW PKLTFYSYD <mark>C</mark> SEG
UniRef90_UPI00034F81D8 UniRef90_UPI00034F81D8	L D S C C	F S H H C C	Y D E A S K V H K C W P K L T F Y S Y D C S E G C L D H C L D H C L D H C L D H
UniRef90_L5MIK4 UniRef90_L5MIK4	LDRCC	R S Q P C T	RKEALAHWVEVQEKQALRGSWGSWELGSK RKEALAHWVEVQEKQALRGSWGSWELGSK YDAAFSMGCASDL DSYEFSTRGK
UniRef90_S4RSI4 UniRef90_C3Z8F9	II ID WCC	KIVIH DA (CYEAIVI Y GIVIGIL IA HIV VIT Y S W T IV IT G G
UniRef90_F1LAZ2 UniRef90_UPI000393EB21 UniRef90_UPI0003AF4EF3		HAHDCC	Y D A A I D R K E C F D V P F E Y L E D Y S W N C V N K Y K K L V A A G C K P K T T T Y K Y S F Q K N Y Q N A A P C R Q D L P L A P Y N F S C A A A
UniRef90_UPI0003AF4EF3 UniRef90_UPI0003AF4EF3 UniRef90_U5HRG7	L D V C C S D R C C	E A H R L	CRODLP LAPYNESCAAA YGKVDSC NPKSNTYVYSEENG
UniRef90_UPI0003F0EDD5 UniRef90_UPI0003F0EDD5	DRCC LDRCC	LSHHCC	LEQLKRLGCLLEGPPRS RAACVDH LEQLKRLGCLLEGPPRS RAACVDH YGKVTGCD PKEDFYTYSEENG
UniRef90_U5HS18 UniRef90_G3HU40	S D R C C T D W C C	FVHDCC	YGKVTGCD PKEDFYTYSEENG YAHLKTDGC RIMTDNYKYSISQG
UniRef90_C3Z8G0 UniRef90_UPI0004432E77	I DRCC LDRCC	EVHDSC FSHHCC	YAHLKTDGC RIMTDNYKYSISQG YGAVDSSDG VGTAHLINYHFTQEGG LEQVKKFGCGLERSSRS EVTCEDH LEQVKKFGCGLERSSRS EVTCEDH
UniRef90_UPI0004432E77 UniRef90_UPI0003AF7818		папрс	, TITAESSG <mark>C SPKILIQPTSWN CI</mark> VIN Q
UniRef90_K1PHK7 UniRef90_F7E598	VDGCC TDRCC	R K H D S C	C
UniRef90_F5CPF0 UniRef90_UPI00046B4EE5	LDRCC TDRCC	QVHDNC	CYGEAETVHE <mark>C</mark> DPYWTFYSYE <mark>C</mark> SEG CYSRIIFRRG <mark>C</mark> GTKFIIGYKFSNKGS
UniRef90_P08872 UniRef90_P0CAS4	TDRCC	V HDCC	Y GVAEDNGC Y PKWTLYSWQCTEN Y EKLVKC NTKWD FYRYSLRSG
UniRef90_J9K038 UniRef90_UPI00034F2D42	TDWCC	KMHDWC	CYNLLRKRG <mark>C</mark> GTKFLNYQFTVRGH
UniRef90_Q5R387 UniRef90_M7BJE6 UniRef90_M7BJE6	T D O C C	YII IH D C C	Y E K L K E F S C Q P V L N S Y Q F H I V N G Y E R L K N H G C N A K F N S Y S Y V Y L N G
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UniRef90_F6TK24 UniRef90_K7JAT1	T D R C C	H D H D C C	CYKKAKKHR <mark>C</mark> QPK GGYKWS <mark>C</mark> RDR
UniRef90_UPI0003C143C1 UniRef90_UPI0003C143C1	CC	F Q H Q K 🤇	CYKEALEL NCEQDSAKPSFNS NCITK CYKEALEL NCEQDSAKPSFNS NCITK
UniRef90_UPI0004439D9A UniRef90_P49121	TDR <mark>CC</mark> TDRCC	A A H N C C	CYRRAAN <mark>V GC</mark> KTKET <u>L</u> YK <u>I</u> DYHWK YKK L TD C NHKTDRYSYSWKNK
UniRef90_H9G7D1 UniRef90_P86389	TDRCC	F V H D C C	YNKĀEMFG <mark>C</mark> T PHLHTYRFYAQRD YGKVTGCD PKMDLYTYT <u>Y</u> SNG
UniRef90_UPI000444657F UniRef90_UPI0003F0FF5E	TDWCC	WI HDHC	Y G Q L Q E K G C N I W T Q P Y K Y R L A R G Y G W L E Q K G C N V R T Q P Y R Y R L V R G
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UniRef90_I3MGP6 UniRef90_I3MGP6	L D R C C	V S H H C C	L G R V R R L G C V L E R L P P S P V V C E D H L G R V R R L G C V L E R L P P S P V V C E D H C Y K K L T G C N P L T D R Y S H S L K N K
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UniRef90_G3UQC5 UniRef90_G3TZJ8	L D R C C	QAHDE C	CYSEAENKTVCSSILDTPYTELYKYS <mark>C</mark> KNE
UniRef90_G3TZJ8 UniRef90_F7GN52	L D WCC	WSHHCC MLTTC	CLEQVKTLG <mark>CLL</mark> DRPPRS QVACLDR YRRLEKLGEPNWEKI FFCSTR
UniRef90_K1QTJ0 UniRef90_UPI0002C662CE	DECC TDWCC	FHHDNC HAHDC	Y D V I I G N P K C G S V Y T I K Y N F N I S K G Y G R L E R L G C E P L L E K Y L F S A N K S
UniRef90_F6ZR11 UniRef90_G1PY06	V D W C C L D R C C	HAHDCC WSHHCC	C
UniRef90_G1PY06 UniRef90_G3I6R8		WS H H C C	CADG VDOVKNMKNCKEEKDKTVNSSVIEAVSGN
UniRef90_A8E2V7 UniRef90_K7FDX4	T D R C C T D W C C	HAHHCC	YKKLTGC NPQTDRYSFSWKNG YKRLKSSGCSGSR QRYSYTYKDG YARVKGC NPKLVEYSYSYRTG YRRLRESKC SPLITPYQFEVTNG
UniRef90_A8CG89 UniRef90_R0LSL8	SDRCC TDSCC	FVHDCC RAHDCC	Y A R V K G C N P K L V E Y S Y S Y R T G Y R R L R E S K C S P L L T P Y Q F E V T N G
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UniRef90_U6CYA9 UniRef90_F7E4C1	R V <u>T</u> K I I	CGS GS CESR D	Q C (Q Q Q L = H II I	CT	C D Q K L	AYC	LKRNS	KSYSWKYL YNTFYLRFPK
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UniRef90_U6PXC9 UniRef90_W5NS89	T A T F V I	C L D A E G	I C I	K R A L		CDOKE		WAQQP	/ N P I V O V F P N
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UniRef90_UPI0003F0EDD5 UniRef90_UPI0003F0EDD5	V P K	C VGQS		EK LL	. <mark>C</mark> G	CDQTA	AEC	MA VASE	FNQSLK FNQSLK YDSKTYWFLN
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UniRef90_K7FDX4 UniRef90_A8CG89	NII L	C A L G G	W C I	E E Q \	CD	C D R N T	AL	LERNTF	NNRYVRYRD NKGYMFII 99
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UniRef90_UPI0003F0734A	FVQFGEMI VAMTRK TALQYSDYGCYCG SSNWPVDQGLIGLAGTIDCV GPRPALVYVKYGCFCGLGGHGQPQDAAVWQFGNAFECILPLPVPTKEYTAYGCYCGLSSWIPFLEDLGEMLHC LTGRCP HEYQHYGCYCGQQGTGQPVDRLYQLKNMIKCTNT RHWVSFTNYGCYCGYGGSGTPVDEGEPVDD
UniRef90_F7G7D1 UniRef90_V9KZN0 UniRef90_UPI000328E59B UniRef90_G3INX8 UniRef90_A0JL26 UniRef90_A0JL26 UniRef90_UPI00044006D6 UniRef90_UPI000443F5CB UniRef90_P41485	GEPVDD GEPVD
UniRef90_UPI00046294AF UniRef90_A7S5K1 UniRef90_UPI00046BFF1F UniRef90_U3EPE2 UniRef90_UPI000442377C UniRef90_UPI0004443963 UniRef90_P0C8M1	SVWRFASMIAKATG RGAWQYTHYGCWCGLGGKGNPVDAGVIHLYNMVSCATGCNPLI YKGYGCYCGFLGSGYAVDGTPVDD MIQ RVTQKNALIHFNGYGCFCGKGGRGKPRDN NLDKMIK KTTGKEAGPSYSDYGCNCGFRRKGAPVDT LWQFNKMIKKEV GKLPFPFYGAYGCYCGWGGRGKPKDG

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UniRef90_UPI00032A1D8B UniRef90_UPI00045D73C5	I DRCCKMHDKCY	E YSN <mark>CI</mark> SYLEYFVPYIWK <mark>C</mark> YRH QKLFDLG <mark>C HP</mark> YMDHY <u>E</u> YTIENN
UniRef90_H0WKR5	T D WCCQAHDCCY	GHLEKLD <mark>C</mark> EPKMEKYLFSVSRR
UniRef90_W5KYG2 UniRef90_UPI0003C499E0	LDRCCQVHDNCY	A T A Q D S G C H T K P A Q Y R W S C S T D S Q A K K H P E C K G L L D N P Y T E L Y S Y S C S G S D A A V D N K L C P D V E L E Y V D D Y T W H C L N S
UniRef90_H2VZY6	I D E C C M H H D K C Y T D W C C R M H D R C Y	DAAVDNKI CPD VEIEYVDDYTWH CINS GLLEEKH CAIRTQSYDYRFTQD
UniRef90_P51433 UniRef90_A7S6H4	T D R C C I I H D R C Y	DAIVI IR DRIVI <mark>C P</mark> WGII INIVIY T TIVIY F R K G C N
UniRef90_L9K3Q5 UniRef90_L9K3Q5	II DRCCIISHHCCIII	E O M R R I I I G C I L I E G E P R S P I V V I C M G R
UniRef90_UPI00042BE471	IVID WCCFKPDCCY	SKAFOAG YKPKII IESYN WECEDN
UniRef90_UPI0004445E4F UniRef90_UPI0004445E4F	L D R C C F F H R C C L L D R C C F F H R C C L	N Q T G S M G C R A D R K L N A H I S C S R N N Q I G S M G C R A D R K L N A H I S C S R N
UniRef90_Q9PVF4	TDQCCADHDCCY	K K IL IT D C D P K K E S Y S Y K F E K G
UniRef90_A7RYD8 UniRef90_E1BLF3	VDRCCMVHDHCW TDWCCRVHDCCY	DRL VHC RPYSNKYSYSVSDR ENLRKRGCRTSS QSYNFIFQRG D ALDLPPCKWGDAETYL VPYQFNI QGR
UniRef90_C3ZJJ9 UniRef90_L5JV61	T D F C C R T H D H C Y	D ALDLPPCKWGDAETYLVPYQFNIQGR EWLEEKG <mark>C</mark> YYR <u>TQS</u> YKYR <u>V</u> TRG
UniRef90_P20253	LDRCCKVHDECY	G F A V K O G C F P K L T V Y S W K C T F N
UniRef90_D2X8K2 UniRef90_I3LM13	VDRCCYVHDVCY SDSCCFQHRRCY	N S T Q G P R P T C S R T A P Y H K N Y Y F T G K E E A A D M D C L Q D P S K L S T D V N C V S K
UniRef90_I3LM13	SDSCCFQHRRCY SDSCCFQHRRCY	E E A A D M D C L Q D P S K L S T D V N C V S K E E A A D M D C L Q D P S K L S T D V N C V S K
UniRef90_Q8WS88 UniRef90_H9GGW3	TDRCCFTHDCCY	GKLKD <mark>C</mark> KTTTDKYK <u>YTI</u> KDG
UniRef90_V8NC39 UniRef90_V8NC39	L D R C C F S H Q C C L	E QII K RIL IG C Q P E K K S R S E IV V C F D H
UniRef90_UPI00033148AB UniRef90_H8PG86	T D WC C WQ H D Q C Y	G D L Q E A G C R L W T Q S Y R Y R V Q R G
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UniRef90_F6UHQ4	TDKCCAAAQGCCY	SKLMKEG <mark>C DPTMVKYNFTY</mark> QDK
UniRef90_H3BHG1 UniRef90_UPI0002B43937	TDRCCQLHDTCY	ÉRLTAQG <mark>C</mark> KPKTĒTYKFHLKQG KNLLKYH <mark>C</mark> NAK <u>TRL</u> Y <mark>C</mark> YNWHYG
UniRef90_R4FJH9 UniRef90_UPI00042CF042	LDMCCKVHDDCY TDGCCHAHNCCX	GEAEKKG <mark>C</mark> DPK <u>LL</u> AYDYY <mark>C</mark> GRD GRUEKUGC EPKMERYUESATRH
UniRef90_C3YLK8	I DTCCKAHDECY	E G V N R P F R T T Y N F A V A A G
UniRef90_F7AJW9 UniRef90_UPI0003D0EA5D	LDRCCQTHDKCY TDWCCHIHNCCY	KRII KESN <mark>C. HGNTKRYDYAYKNG</mark>
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UniRef90_T0MJC2 UniRef90_UPI00038BE2A0	I D WCC WWH DVC Y T D R C C WVH D R C Y	A E L E R K G Y N V L T Q S Y R Y R V R Q G G E L E E K G C G L R T Q A Y D Y R V T R G
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UniRef90_UPI0003EAAA35 UniRef90_UPI0003EAAA35	D S C C S Q H R R C Y D S C C S Q H R R C Y	KA <u>A</u> AEKD <mark>C</mark> K <u>L</u> QPGR <u>L</u> L <u>NTT<mark>C</mark>PAG</u>
UniRef90_D0UGJ0 UniRef90_UPI000442325C	SDRCCFIVIHDCCY	GKVTD <mark>C</mark> D PKADVYTYSEENG GNLTT <mark>C</mark> K PK <u>L</u> NLYEYT <u>R</u> QDG
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UniRef90_V9KZN0		D F A K K II 1/3 L K A (3 () 5
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UniRef90_UPI0004445E4F UniRef90_UPI0004445E4F UniRef90_Q9PVF4	A A VC D S L E D K C Q T I E C E C D R K A A K C L A K A P Y Y P S Y I F W F K P R C R G V T V C D K L Q C V C D K T T A E C M A A A R F N H S L K P R C R G V T V C D K L Q C V C D K T T A E C M A A A R F N H S L E I L C G E T N P C L N Q A C E C D K A V A T C F R D N T Y N K K Q Q F N	P P
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UniRef90_UPI00046BFF1F UniRef90_U3EPE2 UniRef90_UPI000442377C	RPLCALDPGSCAQRLCECDRLLSQCLSQFP KLTCKDNNTKCKDFVCNCDRTAALCFAKAPYNDKNYNLI NVLCKYRNSACATLACECDKHASLCFRRATYSHKLRHYF TVNCAN QNFCQAQVCECDKIMAFCFARKTYNKKYRAYN TLVCGEDL PCE EICECDRAAAVCFYENTYNKKY	S _L
UniRef90_UPI0004443963 UniRef90_P0C8M1	TVNCAN QNF <mark>C</mark> QAQ <mark>VCEC</mark> DKIMA <mark>FC</mark> FARKTYNKKŸRAYN TIVCGEDL P <mark>C</mark> E EICECDRAAA <mark>VC</mark> FYENTYNKKY	N K

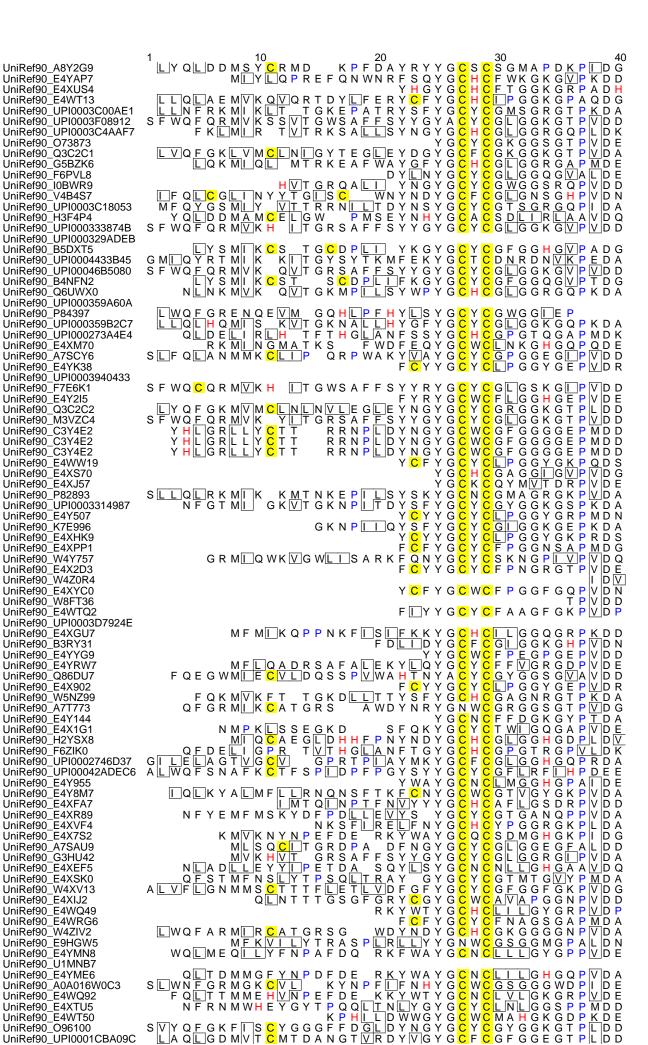
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UniRef90_UPI0003501D0A UniRef90_UPI000443E27D UniRef90_E9FRS7 UniRef90_S4RML0 UniRef90_F6XYW2 UniRef90_H2YNM2	ALECGDT D QATCSEQND KVNC KIECVDDIS	PCGLRACE VCKLATCN DCAKLVCG	C D R T A A Q C C D L Q A A Q C C D K R I A E C	F Q E S T Y E R S M G R A S Y N T A F R S A Q F D N N	N K F V A W P N
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UniRef90_E4XJ57 UniRef90_P82893 UniRef90_UPl0003314987 UniRef90_E4Y507 UniRef90_K7E996 UniRef90_E4XHK9 UniRef90_E4XPP1	I DSVC RDYSSCLKCVDEAYDGKCARDTRYRLGINNKGSNPLDATCQAHKDCYRCAKEKFGESCI PEFNNYQYEYVGNTDXCCXXHDCCYGKVTSC STKADSYSYSWEETDRCCFAHDCCYRRLIKKGC GTKGLNYDVTYRGNDRSCFDFKQCYRCLVEEYSCKGEEVGYRFDLITNADGSKTDRCCQAHDCCYGGLISHRC WTFWDRYRYSYTRGIDRTCKDFKQCYHCLKAEYDCVGEDIGYKFDLLTNADGSKADSACKRHLQCNECSKMDFGETCSATDPYNFVAKQDDVTGIDKCCMKHNQCYDGLVREGVCTFGQSYGYKKLTENGAKTMVDKKCRDFSSCYKCVANDFKETCKHTQPYSFREDPVTGTR
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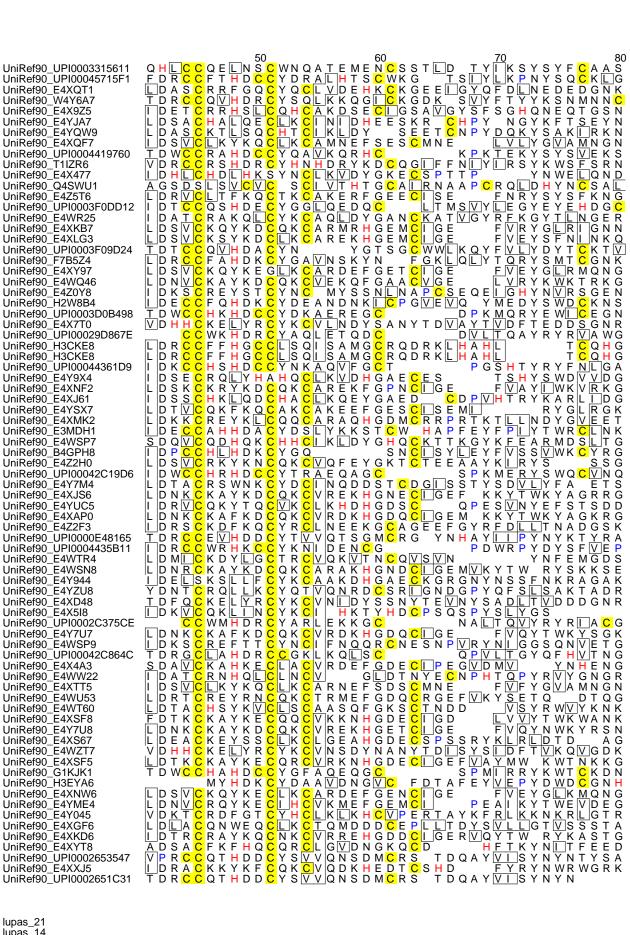
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D H R F A K
D L A F A E
D K R F V Y
D V Q F A K
D T Q F A E
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