QUERY UniRef90 UPI000388BD59	1 ALWQFNGMI ALWQFRAMI	10
UniRef90_UPI0003F0C224 UniRef90_UPI0003597E8E UniRef90_UPI0003330673	A L WQFRNMI A L L QFCNMI A V WQFRN <u>M</u> I	K C K I P S S E P L L D F N N Y G C Y C G L G G S G T P V D D C K C T I P S S N P L Q D Y N N Y G C Y C G L G G S G T P V D D C C T I P S S D P L L D Y N N Y G C F C G L G G S G T P V D D C C T I P G S H P L M D Y N D Y G C F C G L G G S G T P V D E K C K I P G S H P L L E Y S N Y G C F C G L G G S G T P V D E K C T I P V S H P L L E Y S N Y G C Y C G L G G S G T P V D E K C T I P N S D P L K D Y N N Y G C Y C G L G G S G T P V D E K C T I P N S D P L K D Y N N Y G C Y C G L G G S G T P V D E K C M I P G S K P V D E K C M I P G S K P V D E K C M I P G S K P V D E K C M I P G S K P V D K C M I P G S K P V D K C M I P G S K P V D K C M I P G S K P V D K C M I P G S K P V D K C M I P G S K P V D K C M I P G S K P V D C M C M I P G S K P V D C M C M I P G C M C M I P G C M C M I P C M C M I P C M C M I P C M C M I P C M I P C M I P C M I
UniRef90_UPI00042AF702 UniRef90_UPI0002C624CD UniRef90_H9G6L6	S L WQFNNVI A V WQFRKMI L WQFRNMI	K C T   P V S H P L L E Y S N Y G C Y C G F G G S G T P V D A Q C T   P G S H P L L E Y N N Y G C Y C G L G G S G T P V D E K C T M P S S D P L K D Y N N Y G C Y C G L G G S G T P V D Y
UniRef90_UPI0003C2A918 UniRef90_UPI0004443840 UniRef90_L8B360	ALWQLRSMI ALWQFRKMI LLQFSNMI	K C T I P N S D P L WR F N H Y G C Y C G L G G S G T P V D E K C M I P D S N P L L D Y N D Y G C Y C G L G G S G T P V D E K C A I P G S K P V L D Y A N Y G C Y C G F G G S G T P V D K
UniRef90_UPI00038BB954 UniRef90_U3EPH0 UniRef90_UPI000386FCEB	A L WQ F R N V I L L Q F R N M I A V W E L R S M I	K C T I P G S N P L L E Y N N Y G C Y C G L G G S G T P V D Q I C T L P G S R P L L D Y A D Y G C Y C G F G G S G T P V D Q K C A M P D S H P V L E F A D Y G C Y C G L G G S G T P V D E
UniRef90_UPI000398F923 UniRef90_W5JYA9 UniRef90_UPI00045721F7	A V WE F R S M I A L WQ F R D M I A L WQ F G E M I	K C MI P D S N P L L D Y N D Y G C Y C G L G G S G T P V D E K C A I P G S N P V L D Y A N Y G C Y C G L G G S G T P V D Q L C T I P G S N P L L E Y N N Y G C Y C G L G G S G T P V D Q I C T I P G S R P L L D Y A D Y G C Y C G L G G S G T P V D E K C T V P D S Y P L L E F A D Y G C Y C G L G G S G T P V D E L C T I P D S W P A L D Y S D Y G C Y C G K G G S G T P V D D C C A L P E S S P L L D F N D Y G C Y C G L G G S G T P V D E L C T V P D S W P A L D Y S D Y G C Y C G L G G S G T P V D E L C T V P D S W P A L D Y S D Y G C Y C G L G G S G T P V D E L C T V P D S W P A L D Y N D Y G C Y C G L G G S G T P V D E C C T V P D S W P A L D Y N D Y G C Y C G L G G S G T P V D E C C T V P D S W P A L D Y N D Y G C Y C G L G G S G T P V D E C C A N H G R R P T R H Y M D Y G C Y C G K G S G T P V D E
UniRef90_UPI00022B0805 UniRef90_UPI000333BA93 UniRef90_Q45Z30	A L WQ F G E M I A L WQ F R S M I A V WQ F R S M I L Y Q F G N M I	LCTVPDSWPALDYADYGCYCGLGGSGTPVDE KCTLPDSDPLKDYNNYGCYCGLGGSGTPVDE QCANHGRRPTRHYMDYGCYCGKGGSGTPVDE
UniRef90_Q45Z50 UniRef90_A0A024AX12 UniRef90_Q9DEB0	L V Q F G F M I L I Q F R K M I A I W Q F G D M I	C
UniRef90_M3XIZ3 UniRef90_P0C551 UniRef90_P80966	A V W Q F R K M I L L Q F N E M I L I Q F G N M I	LCTLPNSDPVKDFNDYGCYCGLGGSGTPVDE ECTIPGSFPLLDYMDYGCYCGTGGRGTPVDA QCTVPGFLSWIKYADYGCYCGAGGSGTPVDK
UniRef90_UPI0002C44392 UniRef90_H3BG53 UniRef90_Q9DF56		K
UniRef90_T1J463 UniRef90_UPl000441943A UniRef90_G3Q2F3	GILQLAGVI ALHQFRSMI	HCTTG RTPFAYLRYGCYCGWGGSGWPTDQ
UniRef90_H2UXE4 UniRef90_M3ZL66 UniRef90_A9C458	A L WQFGEMI A L WQFGEMI A L WQFRAMI	E C V Q P D V S A L W Y N E Y G C W C G F G G S G T P V D E S C A Q P G V N P L A Y N E Y G C W C G L G G S G T P V D D L C T L P D S W P A L D Y A D Y G C Y C G K G G S G T P V D E
UniRef90_Q90ZI4 UniRef90_Q75S48 UniRef90_Q9W7J3	ALWQFGNMI SFYRYTEMI SL <u>V</u> EFR <u>IL</u> I	Q C T    R G S    T Y  L D Y M D Y G C Y C G T G S R G T P  V D E     K C A N H N S R N  V L D Y A D Y G C Y C G K G G S G T P  V D E
UniRef90_A6MFM0 UniRef90_G3PGI7 UniRef90_UPI0003BCA5E7	L Y Q F K N M I A L W Q F G K M I A M W H F G S M I	Q C A N R N S R N WM A Y A H Y G C Y C G K G G S G T P V D E S C I Q P G V N P L I Y N E Y G C W C G F G G R G S P V D E Q C A Q P G V N P L R Y N N Y G C Y C G F G G K G T P R D G
UniRef90_H3D1N0 UniRef90_R4G2E0 UniRef90_F1N9G3	A L WH F G Q M I L L Q F G N M I A L WE F R S M I	QCAQPGVNPLR YNNYGCYCGFGGKGTPRDG ECVQPGLNALR YNEYGCWCGVGGSGTPVDD NCANRGRRPARHYRDYGCYCGKGGSGTPVDD KCALPDSQPLLEFNDYGCFCGLGGSGTPVDE
UniRef90_P43434 UniRef90_UPI00035A1DE8 UniRef90_A6MFM6	A L WQFRDMI A L L QFNNVI L L QFGSMI	K C A I P D S Q P L L E F N D Y G C F C G L G G S G T P V D E K C A I P G S R P Y S E Y N N Y G C F C G L G G S G T P V D E K C I I P G S H P F K D Y S N Y G C Y C G F G G S N T P V D E T C A N S N S R P A W H Y M D Y G C F C G A G G R G T P V D D
UniRef90_UPI0003D0E1E1 UniRef90_A2BD69 UniRef90_UPI00032AF5FD	I Q F G K M I L A Q F S N I I L L Q F R G M I	K ATTRKNALLISYNGYG <mark>CFCGLI</mark> GGKGTPVDA
UniRef90_B8QN52 UniRef90_B1H311 UniRef90_F5CPF1	E F R S M I L W Q F R N L I L I Q F G N M I	Q C T I P G S S P Y L E F N G Y G C Y C G L G G S G T P V D E K C A I P H S H P F L R F D D Y G C Y C G L G G S G T P V D E K C V I P S S D P Y F D Y N D Y G C Y C G L G G S G T P V D A Q C T L P G S S P L L D Y A D Y G C Y C G R G G S G T P V D K
UniRef90_U3F588 UniRef90_W5UDC7 UniRef90_U3J268	L I N F K R M I A L W Q F G K M I A V W Q L R S M I	QCTIPGSSPLLDYADYGCYCGRGGSGTPVDA ECTT RRSVWDFTNYGCYCGSGGRGTPVDE TCVQPNVNPFI YNDYGCYCGFSGSGSPKDQ QCTIPGSHPLLQYDGYGCYCGLGGSGTPVDE LCTIPGSWPLFQFNEYGCYCSFGGSGTPVDE QCANKGSRSWLDYVNYGCYCGWGGSGTPVDE
UniRef90_F7EBG4 UniRef90_Q45Z12 UniRef90_A0A023I9C9	A I WQFRGVI LYQFKNMI GVFEFGKMI	QCANKGSRSWLDYVNYGCYCGWGGSGTPVDE RCVQPGVNP SQYNNYGCFCGLGGQGRPVDK QCTIPCEQSWLGYLDYGCYCGSGSSGIPVDD RCALPTSRPLLDYSDYGCYCGFGGYGTPVDD
UniRef90_P23028 UniRef90_UPI0004572207 UniRef90_G1SRA0 UniRef90_UPI00022B5934	F G N M I A V W Q F R N M I L I K F A K M I I W D F Q K M I	RCALPTSRPLLDYSDYGCYCGFGGYGTPVDD KHT TGKDALLNYNGYGCHCGLGGKGTPKDA QLT TRKQPLITYGFYGCYCGLGGKGTPKDA QCTLPCGESCLAYMDYGCYCGLGGKGTPKDE
UniRef90_P00616 UniRef90_W5KDU7 UniRef90_UP10003C91E99	QFSNMI ALWQFGNMI DLKSMI	IQCAQPGIVIN PILLLYNNYGCFCGILIGGSGSPKDQ
UniRef90_A6MFM8 UniRef90_F6U5U8 UniRef90_UPl00046B8EBB	LLOFKGMI	E KVTGKNALKCYGFYGCYCGWGGQGIPKDG ECANHGSRDPWDYNNYGCYCGTGGSGTPVDD EAITGRNAILSFVGYGCFCGLGGHGLPMDE HCV GPRSPLAYVSYGCYCGLGGRGKPVDD KCTLPGSQPLLDYANYGCYCGPGNNGTPVDD
UniRef90_P30811 UniRef90_W4ZDA9 UniRef90_Q9PRG0	L I Q F S N MI S L WE L D T V I L V Q F S N MI	K CTI P G S Q P L L D Y A N Y G C Y C G P G N N G T P V D D S C Y T G R S G F D F N G Y G C W C G L G G S G K P V D D Q C A N H G R R P T S N Y M D Y G C Y C G K G G S G T P V D E R C A N N R R R P W W H Y M N Y G C Y C G K G G S G T P V D E
UniRef90_B5G6G1 UniRef90_R4G2X1 UniRef90_UPI0003C45817	LLQFAFMI	R C A N N R R R P WH Y M N Y G C Y C G K G G S G T P V D E E C A N R G S R S WL A Y A N Y G C Y C G W G G S G T P V D E IR C V T G L C P R D F E D Y G C S C R F E M E G L P V D E IR C V T G L C P R D F E D Y G C S C R F E M E G L P V D E
UniRef90_UPI0003C45817 UniRef90_UPI00027F98DA UniRef90_F6V4W4	ALLWQFRKMI LLQFGVMI	JECANRGSRSWLAYANYGCYCGWGGSGTPVDE IRC VTGLCP RDFEDYGCSCRFEMEGLPVDE IRC VTGLCP RDFEDYGCSCRFEMEGLPVDE IRC TLPGSDPLLEYNNYGCYCGLGGSGTPVDE E KATGKLAALHYNDYGCYCGLGGSKGPVDQ QCA GSRSALAYMSYGCYCGLGGQGQPRDS
UniRef90_UPI0003292F43 UniRef90_Q6SLM2 UniRef90_UPI000334120C	GLVELAGTL LYQLMNMI LGQFADMI	KSK TGKNALISYGAYGCHCGWGGKGTPKDA
UniRef90_Q45Z42 UniRef90_Q0KKQ2 UniRef90_P31482	A Q F G F M I Q F R Y M I Q F G E M I	K
UniRef90_Q45Z14 UniRef90_R4G7E3 UniRef90_UPI0003C28228	LYQFKNMI	Q C A N K G S R A T WH Y L D Y G C Y C G P G G R G T P V D E R C A N K R R P V WH Y M D Y G C Y C G K G G S G T P V D A K C S T G R S A I S Y I R Y G C Y C G L G G R G W P R D A K C A N K G T R S WL R Y V N Y G C Y C G W G G S G K P V D E
UniRef90_R4FJC0 UniRef90_Q4VRI7 UniRef90_UPI0003346618	SLLHFKNMI LVQFGFMI SVLQFRKMI	K C A N K G T R S WL R Y V N Y G C Y C G W G G S G K P V D E K C A N R N S R P V S H Y M D Y G C Y C G P G G S G T P I D D K C V I P D S H P A L D F A D Y G C Y C G L G G Y G T P V D E E C A N Y G S R P S W H Y M D Y G C Y C G K G G S G T P V D E
UniRef90_A6MJG7 UniRef90_P00606	L E Q F D N M I L Y Q F K N M I	E CANYGSRPSWHYMDYGCYCGKGGSGTPVDE VCA GTRPWIGYVNYGCYCGAGGSGTPVDE

		50	60 70 80
QUERY UniRef90 UPI000388BD59		CCQTHDNC	YKQAKKLDS <mark>C</mark> KVLVDNPYTNNYSYS <mark>C</mark> SNN YSEAKKLSA <mark>C</mark> KGLLDNPYTELYTYS <mark>C</mark> SGT
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UniRef90_L8B360 UniRef90_UPI00038BB954	L D R C	C	Y
UniRef90_U3EPH0	L D R	CCQTHDLC	Y S Q A K K H P A <mark>C</mark> K S L L D S P Y T K T Y S Y T <mark>C</mark> S G G
UniRef90_UPI000386FCEB UniRef90_UPI000398F923		C C Q T H D Q C	Y S E A K K L K S <mark>C</mark> K F L WD N P Y T K L Y H Y S <mark>C</mark> T D G Y G Q A Q K L A A <mark>C</mark> R F L V D N P Y T <u>V S</u> Y K F S <del>C</del> S Q G
UniRef90_W5JYA9 UniRef90 UPI00045721F7	L D R C	C C E V H D R C C C Q T H D L C	Y S D A M Q H N A C WP I L D N P Y T E T Y A Y S C E N K Y N A A K T H P E C T D I T D H P Y V A L Y D F T C S G T
UniRef90_UPI00022B0805 UniRef90_UPI000333BA93	LDR	C C QIVIH D Q C	Y S D A M Q H D D C WA I L D N P Y T E L Y S Y N C A S K 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
UniRef90_Q45Z30	LDR C	C Q T H D D <mark>C</mark>	Y G E A E K  L  P A <mark>C</mark> N Y M M S G P Y Y N T Y S Y E <mark>C</mark> N D G
UniRef90_Q45Z50 UniRef90_A0A024AX12	L D R C	C C Q T H D Y <mark>C</mark>	Y G E A E K L P A C N Y L M S S P Y F N S Y S Y K C N E G Y D E A K K H P E C S G L L S G P S F N T Y S Y D C A K G
UniRef90_Q9DEB0 UniRef90_M3XIZ3	L D R C	C K IV IH D D C	Y G A Q M E
UniRef90_P0C551 UniRef90_P80966	L D R	CKFHDDC	Y A OII IK E N P K C S SII I INIVIP YIVIK O Y S Y T C S E G
UniRef90_UPI0002C44392	L D R	CQIHDNC	Y G Q \( \text{V} K N \( \text{L} K S \( \text{C} T F \( \text{I} M D N P Y \( \text{T} N \)   Y S Y T \( \text{C} S G S \)
UniRef90_H3BG53 UniRef90_Q9DF56	L D R	CQIHDILIC	Y S K A E E Q P K C S S IL L IN S P IL IM K K Y S Y I C S G G
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UniRef90_G3Q2F3	L D R C	CCVHDLC	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
UniRef90_H2UXE4 UniRef90_M3ZL66	V D R	C E <u>A</u> H D K <mark>C</mark>	Y Q N S R K
UniRef90_A9C458 UniRef90_Q90ZI4	L D R C	CCK V HDNC	Y S D S WQ H D D C WG
UniRef90_Q75S48 UniRef90_Q9W7J3	L D R C	C C Q T H D N C	Y A E A E E H P K <mark>C</mark> S S L V K S P Y M N L Y S Y T <mark>C</mark> S G G
UniRef90_A6MFM0	T D K (	COTHDYC	Y D D A E K L P A C N Y R F S G P Y W N P Y S Y K C N E G Y D K A K Q H P A C N Y F L S G P S V N T Y S Y T C K D G Y E A S R S I P G C T A V V D L P H I Q V Y D Y T C S N K
UniRef90_G3PGI7 UniRef90_UPI0003BCA5E7	V D A	C C QII H D K C	Y A N S R K   I   P G <mark>C</mark> G D A E D   L   P Y   I I   D F D F T <mark>C</mark> N N Q
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UniRef90_UPI00035A1DE8	LDR	CQTHDYC	Y D R A K E L K S C G F L D N P Y L A F Y S Y S C S R N
UniRef90_A6MFM6 UniRef90_UPI0003D0E1E1	<u>T</u> DR(	C	YRRAKQRG <mark>C</mark> K NP <u>VI</u> TWYKYR <u>I</u> RKG
UniRef90_A2BD69 UniRef90 UPI00032AF5FD	LDKC		Y D K A K H M N
UniRef90_B8QN52 UniRef90_B1H311	L D R C	C C Q A H D H C C C Q T H D K C	Y S E A Q N K T
UniRef90_F5CPF1	L D R	C C Q A H D K C	YTDAYRFYR <mark>C</mark> W PF L T L YSHT <mark>C</mark> SNR
UniRef90_U3F588 UniRef90_W5UDC7	L D R C	CLVHDKC	Y A A A E K Y H K C S P K WT L Y S Y D C S N G Y E N S R K L P E C P G L V D L P Y V K V Y N F N C S D K
UniRef90_U3J268 UniRef90_F7EBG4	L D K C	C	Y E N S R K L P E C P G L V D L P Y V K V Y N F N C S D K 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 Y T Q A W G L S K C S K F L P N P Y S M S Y A Y T C S E T
UniRef90_Q45Z12 UniRef90_A0A023I9C9		CQIHDNC	Y G E A E K K G <mark>C</mark> Y P K M T L Y S W Q C T N N Y R A Q M R I P E <mark>C</mark> K <u>G</u> V S K K <u>P</u> Y F I R Y Q Q T C S R R
UniRef90_P23028 UniRef90_UP10004572207	V DK	CKTHDFC	Y Y K A G OIL IP G C S IV IO P N F IV IF N IV ID Y S Y F C N F G
UniRef90_G1SRA0	TDR	CLAHDCC	Y E E V G D D E C W P I R D N P Y T T I Y S Y S C S G K Y E R L K N M G C G T K L L S Y K Y S I S E G Y Q L L R K R G C G T K F L H Y E F T L T G N
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UniRef90_W5KDU7 UniRef90_UPI0003C91E99	TDWC	CWMHDNC	Y G OIL IE A K H C NIL IR T O S Y K Y R F A W G
UniRef90_A6MFM8 UniRef90_F6U5U8	L D R C	CKÜHDDC	Y G E A E N S Q N C S P Y Y T WY T W D C I E N Y Q K L F D Q G C H P Y V D H Y E H T L E N N
UniRef90_UPI00046B8EBB	II DR	CQRHDCC	Y Q H A R K E   V   G C
UniRef90_P30811 UniRef90_W4ZDA9	IVID R (	CMEHDNC	Y D E A S N H G C Y Q T V E D D H C G L Y F S S Y Q Y T S G N G
UniRef90_Q9PRG0 UniRef90_B5G6G1	IL ID R (	C C K II H D D C	Y G F A F K S Q K C A P Y W T W Y T W K C G S D
UniRef90_R4G2X1	LDT (	C	Y G E A E K K G <mark>C</mark> Y P K   L   T   L   Y T W Q <mark>C</mark> T E N
UniRef90_UPI0003C45817 UniRef90_UPI0003C45817	ADS	CFQHRKC	Y E E A VE L E C S WD P A KI S T D L S C L T K Y E E A VE L E C S WD P A KI S T D L S C L T K 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 Y G R M A E L G C D P K M E L Y S WO C O N O
UniRef90_UPI00027F98DA UniRef90_F6V4W4	LDT C	, С Q Т Н D Н <mark>С</mark> С <u>Н</u> А Н D <mark>С</mark> С	Y D Q A K K L D S <mark>C</mark> K F <u>L L</u> D N P Y T N T Y S Y S <mark>C</mark> S G S Y G R M A E <u>L G C</u> D P K <u>L</u> E K Y D F S V T R N
UniRef90_UPI0003292F43 UniRef90_Q6SLM2		,	Y E R A Q K A G C S P K M E L Y S W Q C Q N Q Y N D A K N I D G C N P V T K T Y S Y T C T E P
UniRef90_UPI000334120C	TDWC	CARHDCC	Y K R II ID K II IK C R P K S II IK Y D IV IT II IS G S
UniRef90_Q45Z42 UniRef90_Q0KKQ2	L D R	CKVHDDC	Y G E A E K R F K C VP Y M T L Y S W K C Y G T Y K A S M K S P E C S G F L L E P K S I H Y W Y T C S A R Y K S L E K S G C G T K L L K Y K Y S H Q G G
UniRef90_P31482 UniRef90_Q45Z14	T D R (	C	YKSLEKSG <mark>C</mark> GT KLLKYKYSHQGG YLEAGKDG <mark>C FPRLTL</mark> YSWK <mark>C</mark> TGN
UniRef90_R4G7E3 UniRef90_UPI0003C28228	L D R C	CKHDDC	Y LEAGK DGC FPRLTLYS WK CT GN Y A E A E K R Y G C Y P Y WT L Y S WK C Y G S Y S K A E Q A G C Q P K T G R Y D WE C N D K
UniRef90_R4FJC0	LDR(	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
UniRef90_Q4VRI7 UniRef90_UPI0003346618		COTHDNC	Y F O S R NIVID G C R F II I ID N P Y T R S Y S Y S C S G T
UniRef90_A6MJG7 UniRef90_P00606	LDR(	C C K T H E D C	YTEAEKRG <mark>C</mark> HPKFSAYSWK <mark>C</mark> GSD YGEAEK IPG NPKTKTYSYTCTKP
J.III.(0100_1 00000		או ט וון ען ז <mark>ט ע</mark>	I SENERLI O <mark>V</mark> NIKIKIJII <mark>U</mark> IKE

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UniRef90_UPI000388BD59	T I T	CSSENNA CSTKNDP CNSNNKF	CEMFIL	CE	C D R N A A I I	C F S K V P Y N K E H K N L D K C F A G A P Y N P D Y K N L D S
UniRef90_UPI0003F0C224 UniRef90_UPI0003597E8E	E V 🔲	<mark>C</mark> S D K N N A (	CEAFII	C S	C D Q Q A A II	C F S K A P Y N P E N K N L N S C F S K S P Y N K E N K G L
UniRef90_UPI0003330673 UniRef90_UPI00042AF702	EVT	<mark>C</mark> S D E N D P (	CEAFI	CN	C D R E A A I	CFSKVPYNKQYKDLDT CFSQAPYNKENKGI
UniRef90_UPI0002C624CD UniRef90_H9G6L6	E I T		CEAFI	C N	C D R N A A II I	C
UniRef90_UPI0003C2A918 UniRef90_UPI0004443840	EII T	<mark>C</mark> S S K N G A (	C D A F I I	C D	C D R N A A I	<pre>C F S K A P Y N E E Y K N L D T</pre>
UniRef90_L8B360 UniRef90_UPI00038BB954	VVT	C S A K N N A (	CEAFI	CN	C D R E A A II I	C F A G A P Y N K E Y K K L N A C F S K A P Y N K E N K G I
UniRef90_U3EPH0 UniRef90_UPI000386FCEB	N I T	<mark>C</mark> S S K N S E (	CAMFV	C N	CDRTAAM	<mark>C</mark>
UniRef90_UPI000398F923 UniRef90_W5JYA9	K I T	C	CEMFIL	CE	C D R T A A M C D R K A A E	C F A V S D Y N E E H K H L P S
UniRef90_UPI00045721F7 UniRef90_UPI00022B0805	<u>T</u> VT	C	C K M S V I	C N C E	<mark>C</mark>	C F A E A P Y N E E Y K N L D K C F A E A G Y N E E N A D I P S
UniRef90_UPI000333BA93 UniRef90_Q45Z30		C S S S N N E (	CQAFIL	CE	C D R N A A V I	C F S K A P Y D P A N K N L D S C F A R T P Y N D A N W N I D T
UniRef90_Q45Z50 UniRef90_A0A024AX12		C T D D N D E ( C N D H K K K (	CKILIFII I	C N	CDRTAAL CDRTAAM	C F A G A T Y N D F N F MII IS K
UniRef90_Q9DEB0 UniRef90_M3XIZ3		<mark>C</mark>	Q K A A	CE	C D R A A A H C D R R G A M	C
UniRef90_P0C551 UniRef90_P80966	1 1	<mark>C</mark> S A D N D E (	CAAFII I	C N	C D R T A A L C D R V A A H	C F A F V P Y K R R N F R I D K
UniRef90_UPI0002C44392 UniRef90_H3BG53			E A F L C	C N C E	C D R N A A I C D R A A T L	C F A A S P Y N N N N Y N I D T C F S K A P Y N K E Y K N L D S C F S K A G Y D E K F K N L N T
UniRef90_Q9DF56 UniRef90_T1J463	T L T	<mark>C</mark> N D D N D E (	CGAFI	C N	C D R A A R I	C F A G A P Y N K E N K E L D C F A R Y E Y N E K H R N
UniRef90_UPI000441943A UniRef90_G3Q2F3	E A K		$^{\circ}$ $\cap$ $^{\prime}$ $^{\prime}$ $^{\prime}$	$\sim$ $\sim$	$\sim$ D D D $\wedge$ $\wedge$ $\vee$	
UniRef90_H2UXE4 UniRef90_M3ZL66	QVT	C S A T N E K (	Q A A V	C E	CDRVASH CDRVAAH	CFAVSPWIPEHEHLPS CFAQHTYNPENKNLDP CFAQHTYDPDNKHLDP CFAQAGYNPEYEHYPS CFAQAGYNPEYEHYPS
UniRef90_A9C458 UniRef90_Q90ZI4	AKI	VSCNADP(	C E M F I C Q A A V	CE	C D R I A A H	C F A Q A G Y N P E Y E H Y P S C F A Q T Q Y N P D N K N V D Q
UniRef90_Q75S48 UniRef90_Q9W7J3	T I T	<mark>C</mark> N A D N D E (	KAFI	CN	CDRTAAL	C F A G A P Y N D F N F MILITI
UniRef90_A6MFM0 UniRef90_G3PGI7	E L T	CKDVKDK CPATNDK	CRAFI	C N	C D R T A A M	CLAKAPYNTKNFMIDK CFANAEYKPENKNLDS
UniRef90_UPI0003BCA5E7 UniRef90_H3D1N0	RVT	CSAANDT C	Q A A V	CF	C D R A A A H	C F A Q N T Y N P E N K N L D H C F A Q Y P Y N P E Y K N L D P
UniRef90_R4G2E0 UniRef90_F1N9G3	EVT	C T D D N D E C	CRAFIL	C N	C D R T A A 🛚	C F A R A Y Y N E E N W D I D T C F S K A P Y D P A H L H L D K
UniRef90_P43434 UniRef90_UPI00035A1DE8	N I T	<mark>C</mark> S S K N K E (	CEEF I	C N	C D R A A A I	CFSKAPY CFSNAPYNKKNKGI
UniRef90_A6MFM6 UniRef90_UPI0003D0E1E1	E PT	C T I G N D R (	CAAFII	C N	CDRIAAI CDRAAAL	C F A G A T Y D D A H WN L D S C F K H S T Y K R S Y L F Y P S
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UniRef90_B1H311	E I T	C S S S N N E (	E M F V	CN	C D R T A A M	C F S K A P Y N D N Y K N W S N C F S K A P Y D P A H H R L D K C F S R A G Y N S A Y K N L D K
UniRef90_F5CPF1 UniRef90_U3F588	K V T	<mark>C</mark> R G N T T K (	: K A F W I	(; N	CDRIVIAAN	C F A K A P Y N K R N Y N C F A K A P Y N N K N F K I D P
UniRef90_W5UDC7 UniRef90_U3J268	TII IT	CSASNDK	OAAIVI	C F	C D R IV IA A N	C F A H H T Y N A D Y K NII IP S
UniRef90_F7EBG4 UniRef90_Q45Z12	S I A	C S S T N D E C C Q G D II D P C	QTHI	CE	CDGEAAL	C F A K A P Y N P G H C F S R V K Y N V W H K S L E R C F A K A A Y N D A N W N I N T
UniRef90_A0A023I9C9 UniRef90_P23028	RPT	CSASNDK	QRAA	CE	CDRRAAL	C F A R A K Y P P G H K N L D K C F A R F P Y N K N Y WS L N T C F A K S P Y N E D Y K R L D T
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UniRef90_UPI00022B5934 UniRef90_P00616	K I E	CNANQDY	QAQV	CE	CDKTAAY	C F A Q N S Y N T K L R N Y P S C F A K K S Y K K S Y Q F Y L D C F A G A P Y N D L N Y N I
UniRef90_F00616 UniRef90_W5KDU7 UniRef90_UPI0003C91E99	KAS	C S G S N A K	EAAV	CE	C D R V A A H	C F A Q Y N Y N S A Y K N L S Q
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UniRef90_F60306 UniRef90_UPI00046B8EBB UniRef90_P30811	RIE	CGPTEDK	QELL	C K	C D Q E L A Y	CLAKTEYHLKYLFYPR
UniRef90_F30611 UniRef90_W4ZDA9 UniRef90_Q9PRG0	N I V	CSDPSTE	AFRL	CEC	CDRLLAS	CLRRNSYNT VFANFEK
UniRef90_Q9PRG0 UniRef90_B5G6G1 UniRef90_R4G2X1	G P T	C NSKTR	QRFV	CDC	CDSKAAM	C F A R A P Y N N A N WN I D T
UniRef90_R4G2X1 UniRef90_UPI0003C45817 UniRef90_UPI0003C45817	NI T	CES GDP	E QL L	O C C	CDKAAIE	CFVHSHINSSLNGLDV CFVHSHINSSLNGLDV
UniRef90_UPI0003C43817 UniRef90_UPI00027F98DA UniRef90_F6V4W4	EVT	C S S R F T P				C F R G N T Y N <u>R</u> K Y <u>A H</u> Y P N
UniRef90_UPI0003292F43	QIV L	C G P T Q N K (	C Q A L I I	CK	C D Q E A A H	<mark>C</mark> LAQAEYNLKHLFYPR
UniRef90_Q6SLM2 UniRef90_UPI000334120C	S I T A P S	C R A N Q S S C N T K T D	QKKL	CE	CDKAAAS	CFAKAPYNTSNVMIRS CFAQNSYNKKYQVYPN CFARSPYQNKNWNINT
UniRef90_Q45Z42 UniRef90_Q0KKQ2	R V T	C S A T N N K	C K A A A	ZEC	CDRAAAH	CFARNTYSLKYQFYPN CFARNTYSLKYQFYPN CFAKAPYDNKNWNDDT
UniRef90_P31482 UniRef90_Q45Z14	V P T G P Y	C NSKSK	K A A V	C A		C F A K A P Y D N K N W N I D T
UniRef90_R4G7E3 UniRef90_UPI0003C28228	SAV	CDS EDE	Q E M M	CE	C D S E A A K	C F A Q N P Y N N A N W N L N T C F A K A P Y N S K Y L F W P D
UniRef90_R4FJC0 UniRef90_Q4VRI7	APS	CNSKR KO CNSKTQO	EGFV	CN	CDAKAAE	C F A K A P Y N K T N F R I N T C F A R S P Y Q P S N R N I N T
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QUERY UniRef90_UPI000388BD59	K N C
UniRef90_UPI0003F0C224 UniRef90_UPI0003597E8E UniRef90_UPI0003330673 UniRef90_UPI00042AF702	K Y <mark>C</mark> K K
UniRef90_UPI0002C624CD	KY <mark>C</mark>
UniRef90_H9G6L6	SK
UniRef90_UPI0003C2A918 UniRef90_UPI0004443840	K K K K S K
UniRef90_L8B360 UniRef90_UPI00038BB954 UniRef90_U3EPH0	S K
UniRef90_UPI000386FCEB	K K
UniRef90_UPI000398F923	K K
UniRef90_W5JYA9	D <u>R C</u>
UniRef90_UPI00045721F7	D L
UniRef90_UPI00022B0805	D R C
UniRef90_UPI000333BA93 UniRef90_Q45Z30 UniRef90_Q45Z50	K K R
UniRef90_A0A024AX12	S N C
UniRef90 Q9DEB0	K L C
UniRef90_M3XIZ3	SK
UniRef90_P0C551	SR <mark>C</mark>
UniRef90_P80966	T
UniRef90_UPI0002C44392	KY <mark>C</mark>
UniRef90 H3BG53	QK
UniRef90_Q9DF56 UniRef90_T1J463 UniRef90_UPI000441943A	T L C
UniRef90_G3Q2F3	DR <mark>C</mark>
UniRef90_H2UXE4	K
UniRef90_M3ZL66	QLC
UniRef90_A9C458	KNC
UniRef90_Q90ZI4	K
UniRef90_Q75S48	KR <mark>C</mark>
UniRef90_Q9W7J3	KK
UniRef90_A6MFM0	SR <mark>C</mark>
UniRef90_G3PGI7	K
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UniRef90_A6MFM6	T
UniRef90_UPI0003D0E1E1	K K <mark>C</mark>
UniRef90_A2BD69	DK
UniRef90_UPI00032AF5FD	KN <mark>C</mark>
UniRef90_B8QN52	KK
UniRef90_B1H311 UniRef90_F5CPF1	KK
UniRef90_U3F588 UniRef90_W5UDC7 UniRef90_U3J268	S R C E V C
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UniRef90_Q45Z12	E K
UniRef90_A0A023I9C9 UniRef90_P23028 UniRef90_UPI0004572207	R F <mark>C</mark> E K
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UniRef90_A6MFM8	K
UniRef90_F6U5U8	I Y <mark>C</mark>
UniRef90_UPI00046B8EBB UniRef90_P30811 UniRef90_W4ZDA9	F L C
UniRef90_Q9PRG0	R
UniRef90_B5G6G1	K K
UniRef90_R4G2X1	K
UniRef90_UPI0003C45817	S F C
UniRef90_UPI0003C45817	S F C
UniRef90_UPI00027F98DA UniRef90_F6V4W4	KLC
UniRef90_UPI0003292F43	FL <mark>C</mark>
UniRef90_Q6SLM2	TN
UniRef90_UPI000334120C	FM <mark>C</mark>
UniRef90_Q45Z42	K
UniRef90_Q0KKQ2	K <mark>L C</mark>
UniRef90_P31482 UniRef90_Q45Z14 UniRef90_R4G7E3	MF <mark>C</mark> K
UniRef90_UPI0003C28228	FK <mark>C</mark>
UniRef90_R4FJC0	KK
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	1 10 20 30 40
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UniRef90_U3FAA2	ILI N F K R MII IE <mark>C</mark> T T
UniRef90_R4FK41 UniRef90_UPI0002BCC890	LIDESNEIT <mark>C</mark> ANRGSRSWLDYAHYG <mark>CFC</mark> GSGGSGTPVDD GLDLNKMIR_RVTGKRPLFSYFLYGCHCGFG <u>G</u> KGQPKDA
UniRef90_UPI00042AA9A1	Q F G N V F Q C T     P F     N Y F S G Y N F Y G C Y C D G F     S Y K E K E
UniRef90_UPI00042AA9A1 UniRef90_P00607	QFGNVFQCTIPFINYFSGYNFYGCYCDGFISYKEKE LVQFSNMIQCANHGSRP <u>SL</u> AYADYGCYCSAGGSGTPVDE
UniRef90_A8CG90	L L  Q <u>F</u> G R M     F R M T A K <u>N P   L  </u> S S Y S N Y G <mark>C</mark> Y <mark>C</mark> G <u>W</u> G G K G K P Q D A
UniRef90_UPI00034F9C4B UniRef90_Q2YHJ2	SILLIFFGRMILIK FFTGKNPILIFSYILISYG <mark>CYC</mark> GWGGOGOPKDA
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UniRef90_U5HS76	ILLIQFNKMII IK EEI GKNAIVIPFYSSYGCYCGWGGQGQPKDG
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UniRef90_UPI00045D9555 UniRef90_Q9I968	GI LNENKMVKQ WTGKTPLFSYWFYGCHCGPGGRGQPKDA LWQFREMIKEA TGKEPLTTYLFYACYCGWGGRGEPKDA
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UniRef90_A7X4U6	S L YQFGKM I  RNRTGKS T L SYSSYG <mark>C</mark> Y <mark>C</mark> GWGGQGRPQDP
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UniRef90_G5C4W0	S L <u>L</u>  E L K S <u>M</u>  I  E
UniRef90_UPI000273ACC7 UniRef90_Q1ZY03	LLQFNKM IK LMTRKNA <u>F</u> PFYTSYG <mark>C</mark> Y <mark>C</mark> GWGGRGWPKDA
UniRef90_B0LSF5 UniRef90_P60043	<u>L L Q F N K M I                                </u>
UniRef90_K7G739	GILLIFILIA GAILIK <mark>C.</mark> S.T.G. R.T.PILIA YILIR Y.G <mark>.C.Y.C.</mark> GILIG G.Q.G.W.P.K.D.K.
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UniRef90_S7NL43 UniRef90_S7NL43	L L D F Q K M I R L A T G K D A V S S Y G F Y G C Y C G W G G R G S P K D A L L D F Q K M I R L A T G K D A V S S Y G F Y G C Y C G W G G R G S P K D A
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UniRef90_I3MD59 UniRef90_UPI000398F13E	GLLNLNKMVRQ VTKKIPLLNYWPYG <mark>CHC</mark> GLGGRGQPKDA GLLELAGAVR <mark>C</mark> STGRSPFAYLRYG <mark>C</mark> YCGLGGKGWPKDR
UniRef90_UPI000440B9D7 UniRef90_UPI0003344838	L G K M L H C L T G R C P Q E Y Q F Y G C Y C G Q Q G K G M P M D K G I L D L A A T M E C A N G H N P L A Y L T Y G C Y C G L G G S G Q P Q D T
UniRef90_X1YJE4	G V Y N L Y S M  K  <mark>C</mark>  A   T G C D P      Y K G Y G C Y C G F L G S G Q A L D G
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UniRef90_Q9Z0L3-4	F F F T Y G C Y C G R F G R G F P R D T
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UniRef90_P07037 UniRef90_G3SLG8	LYQFKNMIQCTVPNRS WWHFADYGCFCGYGGSGTPVDE
UniRef90_W5LX63	GILLIEILIA GIVILIK <mark>C.</mark> S.T.G.R.S. AILIA YILIM Y.G. <mark>C.Y.C.</mark> GILIG G.O.G.W.P.R.D.K.
UniRef90_UPI0002C649CB UniRef90_UPI0004431F7B	GL LELAGTVSCV GTRTPVAYVNYGCYCGLGGNGQPRDA GLTELATTITCAT KSSALVYLKYGCYCGLGGSGQPQDQ
UniRef90_H8PG83	GLTELATTITCAT KSSALVYLKYGCYCGLGGSGQPQDQ LIQFSYLIQCANHGRRPTWHYMDYGCFCGSGGYGTPVDD LWDLQKMLT_KVTGRNAFLYYSSYGCYCGLGGRGRPKDA
UniRef90_R0LW78 UniRef90_L5JRZ3	L W D L Q K M L T K V T G R N A F L Y Y S S Y G C Y C G L G G R G R P K D A L L Q F R K M I H L L T G R E P V F S Y A F Y G C Y C G F G D K G S P K D A L L Q F R K M I H L L T G R E P V F S Y A F Y G C Y C G F G D K G S P K D A
UniRef90_L5JRZ3 UniRef90_Q9DF33	L W D L Q K M L T K V T G R N A F L Y Y S S Y G C Y C G L G G R G R P K D A L L Q F R K M I H L L T G R E P V F S Y A F Y G C Y C G F G D K G S P K D A L V Q F N G M I R C T L P G S I P W W D Y S D Y G C Y C G S G G S G T P V D E S L L E F G K M I L E E T G K L A I P S Y S S Y G C Y C G W G G K G S P K D A L L N F R K M I E L V V G K E A V L S Y A F Y G C Y C G W G G K G S P K D A L L G F R K M I Q Y T T G K E P V S T Y G F Y G C Y C G L G G K G S P K D A L G F R K M I Q Y T T G K E P V S T Y G F Y G C Y C G L G G K G S P K D A Q F G E M L F C L T A R C P E E F E S Y G C Y C G Q E G R G A P R D T Q F G E M L F C L T A R C P E E F E S Y G C Y C G Q E G R G A P R D T L D F Q K M I R L A T G K D A Y S S Y G F Y G C Y C G L G G R G S P K D A G L I 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 R G O P L D K S L L D F K L M I R T V T R K S A L L S Y N G Y G C H C G L G G R G O P L D K
UniRef90_A8CG84	SLLEFGKMI LEETGKLAIPSYSSYGCYCGWGGKGTPKDA
UniRef90_UPI0003F098A6 UniRef90_T0M830	L L N F R K M I   E   V V   G K E A V L S Y A F Y G C Y C G W G G K G S P K D A L L G F R K M I Q Y T T G K E P V S T Y G F Y G C Y C G L G G K G S P K D A
UniRef90_T0M830 UniRef90_UPI00044442E1	L L G F R K M I Q Y T T G K E P V S T Y G F Y G C Y C G L G G K G S P K D A  Q F G E M L F C L T A R C P E E F E S Y G C Y C G Q E G R G A P R D T
UniRef90_UPI00044442E1	QF GE ML F CL TA R C P E E F E S Y G C Y C G Q E G R G A P R D T
UniRef90_G1Q0Q3 UniRef90_UPI0002BCC65A	LLDFQKMIRLA TGKDAVSSYGFYGCYCGLGGRGSPKDA GLIELAGTVHCA GLRTAMAYMNYGCYCGLGGHGQPRDA
UniRef90_K7FD45	SLLDFKLMIR TVTRKSALLSYNGYGCHCGLGGRGQPLDK LYQFKEMIECANKGTLSGLAYAGYGCYCGNGGRGTPVDE
UniRef90_D5MRQ5 UniRef90_UPI00032B1F82	GILLIDILIA G TIVIN <mark>CI</mark> VI — G T R N P M A YIVID Y G <mark>C F C GILIG G H G Q P R D A</mark>
UniRef90_UPI0003342EEF UniRef90_UPI00042C5F0D	ALWNFWKMIT KVTGKEGASSYGFYGCHCGVGGKGTPKDA SLLELRWMIE KVTRKPALMSYGFYGCYCGWGGQGTPKDG
UniRef90_UPI000329174C	- GILLINII IN K MIVIR Q - IVIT G KIVIA A F S Y W P Y G C Y C GILIG G R G Q P K D A
UniRef90_UPI0003443B5B UniRef90_UPI0003331E2D	GILNLNKMIKQ MTRKI PLVSYWSYGCHCGPGGKGQPKDA GLLDLKSMIE KVTGKNALKNYGFYGCYCGWGGQGTPKDG
UniRef90_D2H281	L L D L R S MI E KVT G K N A L T N Y G F Y G C Y C G W G G R G T P K D D

UniRef90_G1T1K5		CYARLKKTHG <mark>C HPLV</mark> DSYRYTFAEG
UniRef90_UPI0003318AFC UniRef90_UPI00042BE200	L D K C C Q T H D N L D R C C Q V H D N	C Y S Q S R E M A D C R Y L L D N P Y T E M Y S Y S C K D G C Y S M A K K L S A C K G L L D N P Y T E L Y T Y S C S G T
UniRef90_G3I6R9	L D R C C Q T Q E H	CYDQVKGLGRCKQLINNPYTTSYSYSCSGS CYTEAGKKG <mark>C</mark> YPKLTLYSWKC <mark>T</mark> GK
UniRef90_Q9PUH6 UniRef90_U3FAA2	I D R C C K V H D F I	I ID R C C QIVIH D K C RIVIH K C F P SIVIR T Y S Y D C S F G
UniRef90_R4FK41 UniRef90_UPI0002BCC890	LDRCCQVHDN TDWCCHIHDC	CYGDAEKLPA <mark>C</mark> NYQFSSPYWNPYSYK <mark>C</mark> NEG CYAHLKHHKC NLHLDRYSY <u>KS</u> SQG
UniRef90_UPI00042AA9A1	II ID R C C QIVIH D N	CYTOFKEII IFSCKYII IKDKTYGMSYSYII I <mark>C</mark> PRN
UniRef90_UPI00042AA9A1 UniRef90_P00607	LDRCCKTHDD	CYTQFKELES <mark>C</mark> KYLKDKTYGMSYSYL <mark>C</mark> PRN CYAR <u>A</u> TKSYSCT PYWTLYSWQCIJEK
UniRef90_A8CG90 UniRef90_UPI00034F9C4B	T D R C C F V H D C	CYEKVND CNPKTATYSYSFENG CYALLKTHRCRRQ TDCYKYTFSQG
UniRef90_Q2YHJ2	T D R C C F V H D C	C Y G K   L   W S <mark>C</mark> S <u>P</u> K T <u>D   I  </u> Y F <u>Y Y R K</u> N G
UniRef90_H0W2D4 UniRef90_P45881	TDRCCFVHDC	CYKRLERRG <mark>C</mark> INLKTLQYDVTIVGS CYGKLTN <mark>C</mark> K PKTD <u>R</u> YSYSRENG
UniRef90_P59170 UniRef90_Q7T1R0	SDRCCFILIHDC	C Y T RIVIN N C S P K M T II I Y S Y R F F N G
UniRef90_P00615	L D R C C Q V H D E	<mark>C</mark> YAE <u>A</u> EKHG <mark>C</mark> YPS <u>L</u> T <u>T</u> YTWE <u>C</u> RQ <u>V</u>
UniRef90_U5HS76 UniRef90_UPI000443E896	IDRCCAAHDC	CYHKILIEKQGCKI KSILIKYKADYRGN
UniRef90_U3FVE6 UniRef90 P21789	LDRCCKVHDD TDRCCFVHDC	CYAAAEKYHK <mark>C</mark> SPKAT L YTST <mark>C</mark> SSG
UniRef90_UPI00045D9555	T D W C C K T H D C	<mark>C</mark> YTHLKSNK <mark>C</mark> RLN <u> </u>
UniRef90_Q9I968 UniRef90_UPI00032AF63A	T D R C C F V H D C T D R C C A T H D C	CYTRILIENILIG <mark>C</mark> GT KILLINYHYSILISDD
UniRef90_P14615 UniRef90_UPI00032AFF36	LDRCCKIVIHDD	CYGDAEKI PKCK PYYKTYSYD <mark>C</mark> SEG CYRRLKDLG <mark>C</mark> RT KLLSYKYSKSGS
UniRef90_R4FI60	LDRCCKIHDD TDRCCQNHDC	CYAEAEKHG <mark>C FPKMTSYSWKC</mark> AND
UniRef90_M3YXE8 UniRef90_A7X4U6	T D R C C F E H D C	C Y G Q M N D C N P K L A H Y S Y S F K N G
UniRef90_E1BGU4 UniRef90_UPI00033475D7	I D WCCHAHDC S D WCCRVHDC	CYTHAENSG <mark>C NPKLQPYSWNCV</mark> SQ CYAHLMHHGC QIFWDKYKYNISQG
UniRef90_G5C4W0	T D W C C W M H D R T D R C C A A H D C	CYGQLERKG <mark>C</mark> DT RSQYYNYRVTQG
UniRef90_UPI000273ACC7 UniRef90_Q1ZY03	T D S C C F V H D C	CYQK L T GCSPKWD I YPYSWKTG
UniRef90_B0LSF5 UniRef90_P60043	T D R C C F V H D C	CYNSAREQGG <mark>C</mark> R PKQKTYSYE <mark>C</mark> KAG
UniRef90_K7G739 UniRef90_UPI000333439E	VDWCCFKHDC	CYSKAEQAĞ <mark>C QPKMESYNWE</mark> CEDN CYAN□KTHRCRTQ TDYYKFTFSQG
UniRef90_UPI0003F08D46	TDRCCAEHDC	<mark>C</mark> YKKLKKSR <mark>C</mark> GT KFLKYKASIISGG
UniRef90_Q800C3 UniRef90_P00609	T D R C C F V H D C L D R C C K I H D D	CYGKATD CNPKTVSYTYSVKNG CYSD <u>A</u> EK <u>K</u> G <mark>C SPKMSAY<u>D</u>YY<mark>C</mark>GEN</mark>
UniRef90_UPI000333D161 UniRef90_L8IBA1	T D W C C Q A H D C	CYSDAEKKG <mark>C SPKMSAYDYY</mark> CGEN CYGHVKKLGC EPKMEKYLFSASHD CLEQVRRLGCLLERLPQSPVL CVDG
UniRef90_L8IBA1	L DRCCLSHHC	CILIE QIVIR RILIGICIL LIE RILIP Q S PIV LI CIVID G
UniRef90_Q56JZ2 UniRef90_S7NL43	T D W C C R A H D C T D	RRLEKQK <mark>C</mark> GT KFLHYN <del>F</del> AYRNG
UniRef90_S7NL43 UniRef90_Q3HLQ4	T D T D R <mark>C C</mark> F V H N <mark>C</mark>	RRIL EKQK <mark>C</mark> GT KFLHYNFAYRNG CYEKVT SCSPKWDQYLYSWENG
UniRef90_I3MD59 UniRef90_UPI000398F13E	TDWCCQKHDC VDWCCFQHDC	<mark>C</mark> YKH <u>L</u> RTYQ <mark>C</mark> RPKRD <u>H</u> YNYT <u>F</u> SQG
UniRef90 UPI000440B9D7	LDRCCFLHQC	CLEQVVLLGCRRDRKHHVH VSCQHG
UniRef90_UPI0003344838 UniRef90_X1YJE4	I D W C C Q R H D C	CYARTEKAGC         SPKVDSYSWQCVSG           CYSTAN         CPMFLEYFVPYLWKCYRG           CLEQVRQLGCQRGRHSRSA         VVCVDH
UniRef90_UPI0003330350 UniRef90_UPI0003330350	MDRCCLNHRC	C L E Q V R Q L G C Q R G R H S R S A         V V C V D H           C L E Q V R Q L G C Q R G R H S R S A         V V C V D H
UniRef90 UPI000273A2D8	T D WC C Q K H D C T D R C C F V H D C	CYSK V EEAGCG PKTERYDWKCTDQ
UniRef90_P31854 UniRef90_H3DMM6	T D W C C H R H D C	CYGDAF FGC HTKTDOYRWK CFFK
UniRef90_UPI0003C4C205 UniRef90_Q9Z0L3-4	L D R C C A E H D C	CYERLEKLIG <mark>C</mark> GT K <u>L</u> LEYDFTYEYG CLEQMRQVG <mark>C</mark> LHGRRSQS SVV <mark>C</mark> EDH
UniRef90_Q9Z0L3-4 UniRef90_UPI0003344643	L D R C C L S H H C	CLEQMRQVGCLHGRRSQS SVVCEDH CLEQARRLGCLREQLPPSL VVCEHS
UniRef90_UPI0003344643	L D R C C L S H H C	CLEQARRILIG <mark>C</mark> LREQLPPSL V <mark>C</mark> EHS
UniRef90_P07037 UniRef90_G3SLG8	IDWCCRAHDC	CYAILLIKNER C REFIDNYRYDFILIEG
UniRef90_W5LX63 UniRef90 UPI0002C649CB	<u>A</u> DW <mark>CC</mark> HKHD <mark>C</mark>	CYDKAEKAG <mark>C</mark> QSKTDKYQWT <mark>C</mark> ENR CYIIRAEKMGC MPKLIEGYSWQCVNQ
UniRef90_UPI0004431F7B UniRef90_H8PG83	V D W C C Q K H D C L D R C C K H D D	CYKAASDAG <mark>C</mark>     PK L   QTYSWN <mark>C</mark>   V   N N
UniRef90_R0LW78	TDRCCHAHDC	CYSRII KSS SRG <mark>CNPIVI VIPYKYSII </mark> IOGS
UniRef90_L5JRZ3 UniRef90_L5JRZ3	TDRCCATHDC TDRCCATHDC	CYDWLEKRGCGTKFL SDKYEYESRNT CYDWLEKRGCGTKFL SDKYEYESRNT
UniRef90_Q9DF33 UniRef90_A8CG84	LDRCCQVHDN TDRCCFVHDC	CYTQAQQLITEC SPYSKRYSYD <mark>C</mark> SEG
UniRef90_UPI0003F098A6	T D W C C F F H D C	CYAFII IF DYG <mark>C</mark> GT KFII IGYKF SSYGD
UniRef90_T0M830 UniRef90_T0M830	T D R C C M A H D C	CYRRLKTI GCGT MLL SYKFAYLWG CYRRLKTI GCGT MLL SYKFAYLWG
UniRef90_UPI00044442E1 UniRef90_UPI00044442E1	L D R C C F S H H C	CILID QIVIR RILIGIC QILIF KILIP PIS PIVIA CIVID G
UniRef90_G1Q0Q3	T D R C C A A H D C	CYRR L EKQK <mark>C</mark> GT KF L NYNFTYRKG
UniRef90_UPI0002BCC65A UniRef90_K7FD45	TDWCCHAHDC	CYNKLNP <u>S</u> CHPYFDLYQYSLINE
UniRef90_D5MRQ5 UniRef90_UPI00032B1F82	I D W C C H R H D C	C
UniRef90_UPI0003342EEF UniRef90_UPI00042C5F0D	T D WC C VA H D C T D WC C WM H D H	CYDR LV RQG <mark>C</mark> ST KF L NYKADYRGS
UniRef90_UPI000329174C	TDWCCRAHDC	C V H R II IK K E R C R IV IE T D V V K V T E A O D
UniRef90_UPI0003443B5B UniRef90_UPI0003331E2D	T D R <mark>C C H A H D C</mark> T D W C C W I H D H	CYGRLEKMGC EPKLERYLFSASKN CYGRLEEEGCG IRTQSYKYRFTQD
UniRef90_D2H281		CYGELEEKG <mark>C H</mark> I RTQSYKYRFARG

UniRef90_G1T1K5 UniRef90_UPI0003318AFC	90 100 110 HVQCSDKGSWCEQQLCACDKEVALCFKRNTYQKHLRY EIITCSSKNNPCEQFLCNCDRTAAILCFSKSEYHEEYKI	120 Y Y W R D L D K
UniRef90_UPI00042BE200 UniRef90_G316R9 UniRef90_Q9PUH6 UniRef90_U3FAA2 UniRef90_UFI0002BCC890 UniRef90_UPI00042AA9A1	TITCS EITCSDKNNVCEDFICNCDRQAAICFSR APTC NSKTGCKRTVCDCDATAAKCFAKAPYNNKNYN KLTCKDNNTKCKDFVCNCDRTAALCFAKTPYNDKNYN EITCTDDKDECKAFICNCDRTAAICFARATYKDENFN NIQCSDKGSWCEQQLCTCDKELALCLQRNTYKNHLRY EFTCSEENNACEAFICNCDRQAAICFSKQ	NIDL MIST
UniRef90_UPI00042AA9A1 UniRef90_P00607 UniRef90_A8CG90 UniRef90_UPI00034F9C4B UniRef90_Q2YHJ2 UniRef90_H0W2D4 UniRef90_P45881 UniRef90_P59170	EFTCSEENNACEAFII CNCDRQAAILCFSKQ TPTCDS KTGCQRFVCDCDATAAKCFAKAPYNKENYN GIVCGDR DPCKRAVCECDRVAATCFRDNTYDKKYR DIQCSDKGSWCERQLCACDKKVALCLKNSTYQKKLRF AIVCAR GTWCEKQICECDKAAAICFRENTYKDEYQS SITCKLNQAPCKKLLCECDKAAASCFAKNSYSLKYQF VIICGE GTPCEKQICECDKAAAVCFRENTYKKRYMA	YPP YWW YGK YSN
UniRef90_Q7T1R0 UniRef90_P00615 UniRef90_U5HS76 UniRef90_UP1000443E896 UniRef90_U3FVE6 UniRef90_U2FVE6 UniRef90_UP100045D9555	G	N
UniRef90_Q9I968 UniRef90_UPI00032AF63A UniRef90_P14615 UniRef90_UPI00032AFF36 UniRef90_R4FI60 UniRef90_M3YXE8 UniRef90_A7X4U6	T     T	YYSN MIDS YPN GIDT YYWR FYSS
UniRef90_E1BGU4 UniRef90_UPI00033475D7 UniRef90_G5C4W0 UniRef90_UPI000273ACC7 UniRef90_Q1ZY03 UniRef90_B0LSF5 UniRef90_P60043 UniRef90 K7G739	S V K C E P T E D K C Q E L I C K C D Q E F A H C L A R A E Y N K Y L F N I Q C S T K G S W C Q K K L C A C D K E V A L C L K R N T Y Q N R L R Y L V T C E F Q S F C P M Q L C S C D Q K L V Y C L K R N S Y N P N Y Q Y V I C G S G S K C Q N Q I C S C D K T V A Y C M L R N T Y N T K Y Q S V I C G E G T P C E K E I C E C D R A A A V C L G E N T Y K T K Y M F F I T C G G G T W C K K Q I C E C D R A A A V C L R E N T Y N K E Y Q F T L S C S G S N N S C A A T V C D C D R L A A I C F A G A P Y N D N N Y N A A V C D S L E D K C Q K L V C E C D R K A S K C L A K A P Y Q P R Y L F	(FPN FPN FYPD FYGH
UniRef90_UPI000333439E UniRef90_UPI0003F08D46 UniRef90_Q800C3 UniRef90_P00609 UniRef90_UPI000333D161 UniRef90_L8IBA1 UniRef90_L8IBA1	A	Y L R F Y P N R F P A N I D T
UniRef90_Q56JZ2 UniRef90_S7NL43 UniRef90_S7NL43 UniRef90_Q3HLQ4	QIV <mark>C</mark> EDADD <mark>C</mark> KSQ <mark>V CQCDK L</mark> AAN <mark>C</mark> FAANTYNKKLRF QIVC QIVC	YNK
UniRef90_I3MD59 UniRef90_UPI000398F13E UniRef90_UPI000440B9D7 UniRef90_UPI0003344838 UniRef90_X1YJE4 UniRef90_UPI0003330350	D	FYRR _WPD FFPQ
UniRef90_UPI0003330350 UniRef90_UPI000273A2D8 UniRef90_P31854 UniRef90_H3DMM6 UniRef90_UPI0003C4C205	A P K C V G Q S L C E K L L C A C D Q I T A E C M A S A S Y N Q S L K S A P K C V G Q S L C E K L L C A C D Q I T A E C M A S A S Y N Q S L K S K V E C N A D L N T C Q E M M C K C D M E I A H C L A T A K Y N Q K L I F N I V C G N K Y G C L R H I C E C D R V A A I C F Q K N T Y N K K Y K N T V K C D D L K D K C E K L L C R C D R E A A R C L R K A P F I Q K Y A K F C G K Q D L C R R L L C E C D K A A A Y C F A R N T Y Q K D Y R F	YSS /WPD RYPS
UniRef90_Q9Z0L3-4 UniRef90_Q9Z0L3-4 UniRef90_UPI0003344643 UniRef90_UPI0003344643 UniRef90_P07037 UniRef90_G3SLG8	MAKC VGQSLCEKLLCACDQMAAECMASAFFNQSLKS MAKC VGQSLCEKLLCACDQMAAECMASAFFNQSLKS TPQC VGQSLCAKLLCACDETAAKCMASAFFNQSLKS TPQC VGQSLCAKLLCACDETAAKCMASAFFNQSLKS TPQC VGQSLCAKLLCACDETAAKCMASAFFNQSLKS KLTCSGNDDKCAAFVCNCDRVAAICFAGAPYIDDNY EIQCSDKGSWCEKQLCACDKTMALCLQESTYNKRLR\ AADCESLKNKCERTLCRCDREAAECLRKAPYIPKYAN SIVCEPTEDKCKQLLCKCDQEIAYCLAPTTYNLKYLF	SPDG SPDG SSGP SSGP VD YWR
UniRef90_W5LX63 UniRef90_UPI0002C649CB UniRef90_UPI0004431F7B UniRef90_H8PG83 UniRef90_R0LW78 UniRef90_L5JRZ3	OF V <mark>C</mark> GGGGST <mark>C</mark> QTTACECDKAAAE <mark>C</mark> FRRTTYNKSYKN	/WPD FYPR SLA YLN
UniRef90_L5JRZ3 UniRef90_Q9DF33 UniRef90_A8CG84 UniRef90_UPI0003F098A6 UniRef90_T0M830	QII TLTCKADNDECAAFVCDCDRVAAICFAGAPYNKENIN AIVCEK GTSCENRICECDKAAAICFRQNTYSKKYML TIVCGKDGDFCRRKLCQCDRNAAYCFARNTYDENVQY QIIC	NIDT YPD YYSN
UniRef90_T0M830 UniRef90_UPI00044442E1 UniRef90_UPI00044442E1 UniRef90_G1Q0Q3 UniRef90_UPI0002BCC65A	Q     C   A P K C   V G Q S   C A K   L C T C D Q R A A E C V A A A S F N G S   R S A P K C   V G Q S   C A K   L C T C D Q R A A E C V A A A S F N G S   R S Q I I C E G K Q D S C R R K   C E C D K A A A S C F A R N T Y K K Q Y Q Y H I L C G P V E D K C Q E   M C K C D R E   A Y C   A K T E Y N   K Y L L D I I C W N   N N S C A K E A C E C D R T A A   C F R K S S Y N K A Y R Y Q L T C K G D N D E C K A F   C N C D R A A A K C F A K A P Y N N A N W N	SLGG SLGG YPN YPR
UniRef90_K7FD45 UniRef90_D5MRQ5 UniRef90_UPI00032B1F82 UniRef90_UPI0003342EF UniRef90_UPI00042C5F0D UniRef90_UPI000329174C	QVQCGPAENICQEEVCKCDQEIIANCLAQNEYNLKYLF TVTCAR QDKCKKQVCECDKAAALCFARHSYNKKYQV LVTCER GSLCQMQLCTCDRHFVYCLKRNSYNPYYQV	/
UniRef90_UPI000329174C UniRef90_UPI0003443B5B UniRef90_UPI0003331E2D UniRef90_D2H281	E	YPN

UniRef90_	G1T1K5	P R C
UniRef90_ UniRef90_	UPI0003318AFC UPI00042BE200	KK
UniRef90_ UniRef90_	G316R9 Q9PUH6	K K
UniRef90_ UniRef90_	U3FAA2 R4FK41	KH <mark>C</mark> KK
UniRef90_ UniRef90_	UPI0002BCC890 UPI00042AA9A1	P S C
UniRef90_ UniRef90_	UPI00042AA9A1 P00607	K K
UniRef90_ UniRef90_	A8CG90 UPI00034F9C4B	S Q C P K C
UniRef90_ UniRef90_	Q2YHJ2 H0W2D4	S R C L L C
UniRef90_ UniRef90	P45881 P59170	V L C S Y C
UniRef90_ UniRef90	Q7T1R0 P00615	KR
UniRef90_ UniRef90	U5HS76 UPI000443E896	F L C
UniRef90_ UniRef90	U3FVE6 P21789	S R C S Q C
UniRef90_ UniRef90_ UniRef90	UPI00045D9555 Q9I968	PHC SRC
UniRef90_ UniRef90_ UniRef90	UPI00032AF63A P14615	S R C
UniRef90_	UPI00032AFF36	L L C
UniRef90_ UniRef90_	R4FI60 M3YXE8	K P R C
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UniRef90_ UniRef90_	K7G739 UPI000333439E	F L C T Q C
UniRef90_ UniRef90	UPI0003F08D46 Q800C3	ĖĶ <mark>Č</mark> ENC
UniRef90_ UniRef90_	P00609 UPI000333D161	K K L C
UniRef90_	L8IBA1	R E C R E C
UniRef90_ UniRef90_	L8IBA1 Q56JZ2	F R C
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UniRef90_ UniRef90_	UPI000398F13E UPI000440B9D7	F L C
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UniRef90_ UniRef90_	L5JRZ3 L5JRZ3	_
UniRef90_ UniRef90	Q9DF33 A8CG84	T F L C
UniRef90_ UniRef90_	UPI0003F098A6 T0M830	QRC
UniRef90_ UniRef90_	T0M830 UPI00044442E1	QEC
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UniRef90_ UniRef90	UPI0002BCC65A K7FD45	F L C
UniRef90	D5MRQ5	K
UniRef90_ UniRef90_	UPI00032B1F82 UPI0003342EEF	FLC KSC
UniRef90_ UniRef90_	UPI00042C5F0D UPI000329174C	F L C
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UniRef90_	D2H281	L C

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UniRef90_UPI000443D16B UniRef90_UPI0002C69441	GI LNL NK MV R ELT GKIPLFSY WTYGCHCGLGGRGQPLDA SLLELNSMIE KVTGKTAVTDYGFYGCYCGFSGRGTPKDG SLWDLHKMIT KATGKNALLHYSFYGCYCGFGGKGQPKDA
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UniRef90_U3I9R4 UniRef90_K7FDK5	LPQLGEMLFCLT ERCPEEFESYGCYCGQEGRGYPTDA
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UniRef90_UPI00035941E1 UniRef90_S7PD14	AVWQFGNVFQCNIPLIQRFMEYNFYCWYCLFDGWNHPMEDGILNLNKMVKQVTRKTPLTSYWYYGCHCGRGGKGQPLDALYQFKNMIKCTVPSRSWWHFANYGCYCGRGGSGTPVDD
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UniRef90_UPI0004447929 UniRef90_F6ZRV6 UniRef90_H2U8E1	GLIELVETMGCV GIRTPLAYVNYGCYCGLGGQGQPQDA LLQFGLMIE RLTGKSA LDYNDYGCYCGIGGSKWPVDE LLELAGAIKCSTGRS ALAYMMYGCYCGLGGQGWPRDR LIQFADMLKH MTGKLALLNYNDYGCYCGLGGSKQPLDE
UniRef90_K7FE10 UniRef90_V9LCE5	LIQFADMLKH MTGKLALLNYNDYGCYCGLGGSKQPLDE SVIELVGMLRCSTGRS LSYLTYGCYCGLGGRGWPRDK
UniRef90_P0DJJ8 UniRef90_F6WR52 UniRef90_UPI0003C86153	S VI EL VG ML RCSTGRS ISYLTYGCYCGIGGRGWPRDK SLVQLWKMIFQE TGKEAAKNYGLYGCNCGVGRRGKPKDA GILDLNKMIRQ VTGKTPFFSYWFYGCHCGLRGKGQPKDA LISFRKMIK YTTGKEPVSTYGFYGCYCGLGGKGSPKDA LIQFVNGMKC VAGLCP RDFEDYGCACRFEMEGVPVDE LIQFVNGMKC VAGLCP RDFEDYGCACRFEMEGVPVDE
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UniRef90_H0VDB8 UniRef90_G3TNQ0	EFRKMI RL VITGKEAASSYGFYGCYCGLIGGKGSPKDA
UniRef90_Q92152 UniRef90_UPI000328FA10 UniRef90_UPI000388B760	SLIQUGEMI FQEM GKGAAKKYGUYGCNCGMGRRGRPQDA SLTNFWEMI WAVTGKEAVTSYGFYGCHCGUGGKGSPKDA SLLEFRKMINQA TRKSAILSYYGYGCYCGSDGRGEPKDA GILNUNKMIQQ MTGKTPUFSYWFYGCHCGPKGRGQPKDA
UniRef90_UPI0003F07476 UniRef90_R4G7M1	L L  Q F D T M I  E C A N N R S R S S N D Y M D Y G C Y C G E G G S G T P  V  D D
UniRef90_L9KXZ2 UniRef90_L9L022 UniRef90_G1KKJ3	ILIT N F W N MII IRILIK T G K E A A S S Y G F Y G C H C G A G G K G T P K D A
UniRef90_G1KKJ3 UniRef90_Q8UVZ7 UniRef90_P59171	CII VIEII ICKMII I ICE T CKNDII IT CVCII IVCCNCCIVIC CD LKDKDC
UniRef90_Q9PVF3 UniRef90_F1PW03	SVIEFGTMI IEETGRSPFPFYTSYGCYCGLGGKGKPKDD SLIELGKMIFQE TGKNPVKNYGLYGCNCGVGNRGKPVDA QFAEMLFCLT SRCPEEFESYGCYCGQEGQGEPRDA
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UniRef90_UPI00033318C9 UniRef90_UPI000332F57F	S L LQFHNMI QCTIPGSHPLKDYNNYGCYCGFGGSNPPVDE LANFWHMI LLK TGKRAETSYGFYGCYCGLGGKGTPKDA GI LELAGTLSCV GPRSPMAYVNYGCYCGLGGHGQPRDA
UniRef90_UPI0003C44AD1 UniRef90_UPI000388A3EF UniRef90_UPI000388A3EF	GILELAGTLSCV GPRSPMAYVNYGCYCGLGGHGQPRDASLWELQRMIK EVTRKSAIPNYSHYGCYCGWGGAGMPKDSKVIRKNSWLLYLNYGCYCGWGGKGTPTDDKVIRKNSWLLYLNYGCYCGWGGKGTPTDDKVIRKNSWLLYLNYGCYCGWGGKGTPTDD
UniRef90_A7X418 UniRef90_R4FIA4 UniRef90_UPI00038BDB1B	KVIRKNSWLLYLNYGCYCGWGGKGTPTDDLYQFSNTIQCTIPGSDPLSDYGNYGCYCGYGGSGTPVDEVIQFKNMIQCANHGSRPTRHYMNYGCFCGSGGHGTPVDAGLLELAGTLDCV GPRSPMAYWNYGCYCGLGGHGEPRDAGLLELAGTLDCV GPRSPMAYWNYGCYCGLGGHGEPRDAGLLELAGTLDCV
UniRef90_UPI00038F0D78 UniRef90_P00611	L V Q F S N L I Q C V N K G S R A S Y H Y A D Y G C Y C G A G G S G T P V D E
UniRef90_P00602 UniRef90_UPl00035133E7 UniRef90_UPl00035133E7	
UniRef90_UPI0003C2A5D4 UniRef90_G1U0P3	L W Q L Q S M I E Q
UniRef90_T1DH13 UniRef90_F5CPE9 UniRef90_G1QDI4	Y       F
UniRef90_UPI0003291BA8 UniRef90_UPI0003291BA8	I I O E A N G M K C V A G II C P R D E E D Y G C A C R E E M E G II P V D E
UniRef90_F1RRT8 UniRef90_F1RRT8 UniRef90_B0LSG3	LLQFANGMKC VAGLOP RDFEDYGCACRFEMEGLPVDE QLGEML CLTA RCPEEFEAYGCYCGQEGQGEPRDA QLGEML CLTA RCPEEFEAYGCYCGQEGQGEPRDA LIQFETLI LKVTKKNGMPSYTFYGCYCGLGGQGRPRDA
UniRef90_UPI0004432E77 UniRef90_UPI0004432E77	ALLHEVNKIKC VTGLCP KDLEDYGCSCRFEMEGEPVDD
UniRef90_R4G2E6 UniRef90_F8QN50 UniRef90_UPI00045DDE31	LYQFGRLIQCAIRGSRYTWDYMDYGCFCGSGGHGTPVDA SMIEFGKMIQ EETEKNPITSYSLYGCHCGLGSKGKPKDA GLLELVGTLQCASTLS ALAYLSYGCHCGLGGRGWPRDS
UniRef90_UPI0003C271CB	SVLEYQKMIKQ VTGKGAILSYYGYG <mark>C</mark> YCGSKGKGEPKDA

	50 60 70	80
UniRef90_L9L1C5 UniRef90_S4RSK0 UniRef90_UPI00033185C3	T D WC C H A H D C C Y A Y L K A H K C R L H S D L Y K Y S T D R C C R S H D C C Y N R A L T A G C N P Y S D L Y H Y A S D W C C N A H D C C Y D H L R Q H K C K S F T D N Y K Y S	A <mark>C</mark> K H G K F S N G
UniRef90_F6ZRZ5 UniRef90_P23026 UniRef90_F1SZV7	T D R C C M A H D C C Y S K L K K K G C N P Y A Q T Y N Y F Y D R C C Q A H D K C Y E D A E K L G C Y P K W T T Y Y Y Y T D R C C L M H D C C Y E N L T G C K T K T D P Y P Y S	Y <mark>C</mark> G A N S Q K N G
UniRef90_UPI00045761CE UniRef90_I3MA02 UniRef90_Q910A0	LDQCCFVHDNCYGDTMEMEECWPFDNPYTEFYAY LDWCCYHHDCCYTRAEEAGC RPKLERYSWC TDRCCFVHDCCYGRVN GCDPKMGTYSYS	Q <mark>C</mark> D N Q
UniRef90_B0LSF9 UniRef90_UPI0003958916	S D R C C F IV IH D C C Y G K IV IT G C N P K K D F Y S Y S	S E E N G V <mark>C</mark> L D H
UniRef90_UPI0003958916 UniRef90_UPI000443D16B UniRef90_UPI0002C69441	T D W C C K   V   H D C C Y A H   L   R Q H   L   C R H	RFTRD
UniRef90_UPI0003834520 UniRef90_UPI000333C08F UniRef90_U3I9R4	TDRCCQLHDLCYDSLLSHHC NAKAQSYLYI	DWASS E <mark>C</mark> VDN
UniRef90_U3I9R4 UniRef90_K7FDK5	L DRCCFSHHCCMEQVKKLGCHAER  TSRSEV  TDWCCLRHDCCYSRLIASKC  LDRCCKTNDDCYGQAEKKGC  TSRSEV  TSRSEV	V <mark>C</mark> FDH TYRRG
UniRef90_P10117 UniRef90_F1SUN7 UniRef90_UPI00042AC657	T D W C C A A H D C C Y K Q L K K R G C G T K L S Y K L S Y K L S Y K L S Y K L S Y K L S Y K L S Y K L S Y S F S	STLS SCSKN
UniRef90_UPI00035941E1 UniRef90_S7PD14 UniRef90_P00595	LDRCCRARANCYAQGNNMKNCNFRLGDLYTTSYSYS TDWCCHAHDCCYRLLKLHHC HYFRDHYNY LDRCCQTHDNCYSDAEKISGCR PYFKTYSYI	T F S Q G D <mark>C</mark> T K G
UniRef90_UPI0003945E5F UniRef90_UPI0003945E5F UniRef90_UPI0004447929	L D R C C F S H H C C M E Q V K K L G C H A E I I N L R S E V V	V <mark>C</mark> F D H
UniRef90_F6ZRV6 UniRef90_H2U8E1 UniRef90_K7FE10	IDWCCHAHDCCYGRMNKLGC DPKLEKYNFS ADWCCHRHDCCYGDAERFGC HTKTDQYRWF TDWCCHTHDCCYGKMSALGC HPKLGSYRYS	S M T E T K <mark>C</mark> E E K
UniRef90_V9LCE5 UniRef90_P0DJJ8	T D W C C Y T H D C C Y G K A E D L G C H P K T D S Y S W S T D S C C Y V H K C C Y K K V T G C D P K M D S Y S Y S	S <mark>C</mark> RYF SWKNK
UniRef90_F6WR52 UniRef90_UPI0003C86153 UniRef90_F7E4C1	SDRGEQDQK V  $SK L STE V I$	SYLRG
UniRef90_F7E4C1 UniRef90_Q7T3S7 UniRef90_A7X4P4	S D R G E Q D Q K V S K L S T E V II T D R C C L V H D C C Y T R V G D C S P K M T L Y S Y II T D R C C F V H D C C Y G R V N D C N P K T L H Y II Y C	RFENG
UniRef90_G5B4E8 UniRef90_H0VDB8	T D R C C L E H D C C Y A L A E E A G C S P K M G S Y P W I T D R C C L E H D C C Y S L L K T Q R C K P Q T N H Y K Y I	K <mark>C</mark> V D N N F S L G
UniRef90_G3TNQ0 UniRef90_Q92152 UniRef90_UPI000328FA10	IDR <mark>CC</mark> VAHD <mark>CC</mark> YYRLQKRG <mark>C</mark> AI KS <u>L</u> NYKF	S WE N G S Y R G G
UniRef90_UPI000388B760 UniRef90_UPI0003F07476 UniRef90_R4G7M1	T D W C C K T H D C C Y M A L K S K N C R Y T T D H Y K Y I L D R C C K I H D D C Y G E A K K H E C D P L S L K Y R W I	NMTHD
UniRef90_L9KXZ2 UniRef90_L9L022 UniRef90_G1KKJ3	D W C C H R H D C C Y T R A E E A G C	Q <mark>C                                   </mark>
UniRef90_G1KKJ3 UniRef90_Q8UVZ7	LDRCCFSHHCCLEQVRKLGCHPERNSRS EVY TDRCCFVHKCCYKKLTDCD PKMDGYTY	V <mark>C</mark> FDH SFKDK
UniRef90_P59171 UniRef90_Q9PVF3 UniRef90_F1PW03	T D R C C F V H D C C Y G S M P D C S P K T D T Y R Y F 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 S L D R C C F S H H C C V E Q V T R L G C L S E R L P G S L V I	S WE N K E <mark>C</mark> V D G
UniRef90_F1PW03 UniRef90_G3SX93 UniRef90_O42189	T D W C C WV H D H C Y G L L E E K G C N V T Q S Y K Y F T D R C C F V H D C C Y E K V IT G C D P K W D D Y T Y S	K V T W G
UniRef90_F6YIJ4 UniRef90_UPI00039907DC UniRef90_UPI00046B3115	IDRCCYKHDCCYIRAEKAGC YPKTESYSWO TDRCCHAHDCCYRKLR EGTCSPLITPYHFI IDQCCQQHDCCYSRTEDAGC MPKLQRYSWO	Q <mark>C V</mark> Q Q N <u>V T</u> D G
UniRef90_E5T1H8 UniRef90_G3I6S0	I D N C C K T H D E C Y D S A V D S G C G K W E Q Y T L W Y Y W C L D C A Y T T T Y S Y V	Q <mark>C</mark> N D G W <mark>C</mark> S E N
UniRef90_UPI00033318C9 UniRef90_UPI000332F57F UniRef90_UPI0003C44AD1	TDRCCAAHDCCYYRLDKRGCGT KFLTYKFS VDWCCHRHDCCYSQAEKAGC SPKIQRYPWG TDQCCRLHDCCYDKLQDRGC FPKIYMYSYI	Q <mark>C</mark> IDR FYLSG
UniRef90_UPI000388A3EF UniRef90_UPI000388A3EF UniRef90_A7X418	T D K C C Y L H D C C Y G V L E N Q G C N A K I E E Y T Y S T D K C C Y L H D C C Y G V L E N Q G C N A K L E E Y T Y S L D R C C Q V H D D C Y D R A S K H P A C T S F L D S A Y F K T Y S Y	SYRYG
UniRef90_R4FIA4 UniRef90_UPI00038BDB1B UniRef90_UPI00038F0D78	L D M C C K T H D D C Y G E A E K Q S C N P R L T K Y D Y Y L D W C C Q H H D C C Y S R A Q E A G C S P K L D R Y V W F T D W C C A R H D C C Y H L L R K R G C G T K F L N Y K F	Y <mark>C</mark> G K D K <mark>C</mark> L D H
UniRef90_P00611 UniRef90_P00602	L DRCCK    HDDCYGEAEKMGC YPKWT L YTYI  L DRCCQ V HDNCYGEAEK L GCW PY L T L YKYI	D <mark>C</mark> S T E E C S Q G
UniRef90_UPI00035133E7 UniRef90_UPI00035133E7 UniRef90_UPI0003C2A5D4	TDWCCHAHDCCYSRLKSS SRGCNPVLVPYKYSTDWCCHAHDCCYSRLKSS SRGCNPVLVPYKYSTDRCCEMHDSCYSRLKNYSC FPKKVSYKY	YSSHG
UniRef90_G1U0P3 UniRef90_T1DH13 UniRef90_F5CPE9	T D R C C L A H D C C Y R R L E K R K C G T	S V K N R E <mark>C</mark> S E G
UniRef90_G1QDI4 UniRef90_UPI0003291BA8 UniRef90_UPI0003291BA8	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 T S D S C C F Q H R R C Y E E A A E M D C L Q D A T K L P M E V I S D S C C F Q H R R C Y E E A A E M D C L Q D A T K L P M E V I	TYEKG D <mark>C</mark> IIGK
UniRef90_F1RRT8 UniRef90_F1RRT8	LDRCCWFHHCCLEQVRREGCLLERLP PSPVI LDRCCWFHHCCLEQVRRLGCLLERLP PSPVI TDRCCFVHDCCYENLTGCKTKTNPYPY	M C V D G M C V D G
UniRef90_B0LSG3 UniRef90_UPI0004432E77 UniRef90_UPI0004432E77	ADSCCFQHRKCYEDAAEMECAQDIIT KILSII DII T	T <mark>C</mark> D N Q T C D N Q
UniRef90_R4G2E6 UniRef90_F8QN50 UniRef90_UPI00045DDE31	LDMCCKI HDDCYGEAEKKGC DPKWMPYTWI TDRCCFVHSCCYAKL SDCSPKTNRYEYI TDWCCHSHDCCYDVAEKAGC SPKLERYSWI	E <mark>C</mark> D S D H R E N G
UniRef90_UPI0003C271CB	T D W C C H L H N C C Y K R L K E S N C H G H T K R Y D Y A	AYKNG

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UniRef90 G5AKR8	50 TDRCCVKHD <mark>CC</mark> YIRLVK <u>RGCGT</u> KLLKYQ <u>Y</u> T <u>KR</u>	80 G S
UniRef90_UPI0002C45229 UniRef90_UPI0002C45229	L  D W <mark>C C  </mark> L  F H H <mark>C C  </mark> L  E Q V  K T  L  G <mark>C</mark> L L  E R P P R S	D R D R
UniRef90_UPI000386F50B UniRef90_UPI000386F50B	LDS <mark>CCFSHHCC</mark> MEQIKKLG <mark>C</mark> HAESSSRS EVV <mark>C</mark> F LDSCCFSHHCCMFQIKKIGCHAFSSSRS EVVCF	D H D H
UniRef90_B2YHV5 UniRef90_UPI00046C0F34	T D R C C F V H D C C Y G T V N D C N P K T A T Y S Y S F E T D K C C Y L H D C C Y G V L E N Q G C N A K I E E Y T Y S Y R	ΥG
UniRef90_UPI00046C0F34 UniRef90_UPI0003F104CC	T D K C C Y L H D C C Y G V L E N Q G C N A K I E E Y T Y S Y R L D R C C S F H H C C L R Q V K R L G C L L E R A P Q S R V L C M	DG
UniRef90_UPI0003F104CC UniRef90_Q8UUI0	LDRCCKTHDDCYGQAEKKGC FPLLSLYNFACF	PG
UniRef90_UPI0004547BC4 UniRef90_UPI0003C0FB8A UniRef90_UPI00038C401A	TDR <mark>CC</mark> QAHD <mark>CC</mark> YGG <u>LI</u> SHR <mark>C</mark> WT FWDRYRYSYT ADWCCHKHDCCYEEAELAGC NSKMEKYEWA <mark>C</mark> K TDRCCQKHDCCYEHLKT <u>D</u> GCRTM TDNYRYNIS	ΕK
UniRef90_H0X7U8 UniRef90_H0X7U8	LDRCCVSHHCCLEQVRRLGCLLERLPRS PVVCV	D R
UniRef90_UPI0002740AC2 UniRef90_UPI00035998BE	LDTNMFQLDACYSVVRVLATCTK LDRCCRARDKCLAQVDYLGNCGMLIRNPYTTSYSYS <mark>C</mark> S	_
UniRef90_Q0PL66 UniRef90_G3VUI7	L DR <mark>CC</mark> YV HDNCYGDAAN  RD <mark>C</mark>	K R S G
UniRef90_Q9PVE9 UniRef90_G3WHN3	T D R C C F   V   H D C C Y G K   V   T N	ΝD
UniRef90_UPI000331955D UniRef90_UPI0004542F3F	L D R C C L T H D N C Y G Q A V K L G H C S S L L D H P Y F K W Y S Y S C T L D K C C R F R A N C Y A Q A S N M K N C T F H L G D P F K T F Y S Y S C S	GΑ
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UniRef90_H0X2T2 UniRef90_W4Z6N6	<u>S</u> DW <mark>CCKV HDCC</mark> YAH L KTHG <mark>C</mark> R <u>F</u> HTDHYSFNFS	Q G D P
UniRef90_B2KNL5 UniRef90_P06859	LDRCCQIHDHCYDNPKKFGNC IPYLKTYVYPCN	K P N G
UniRef90_UPI0003AF4EF3 UniRef90_UPI0003AF4EF3		A A A A
UniRef90_Q6EAN6 UniRef90_UPI00045424EB	LDSCCFSHHCCLEOVKTMGCELERSSOV EVVCL	DH
UniRef90_UPI00045424EB UniRef90_Q6T7B8	T D R C C F IV IH D C C Y G K MGTYNTKWTSYNYEFQ	NG
UniRef90_UPI00042BB1B5 UniRef90_UPI00042BB1B5 UniRef90_UPI00026580BA	T D W <mark>C C</mark> R A H H C C Y E R L K A N G C Y G N R Q R Y S Y T Y K T D W C C R A H H C C Y E R L K A N G C Y G N R Q R Y S Y T Y K I D T C C L E H D W C Y S A T R C S H L S T Y L L P Y H W G C A	DG
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UniRef90_A7LCJ2 UniRef90_UPI0003337D4C	V D S	S <mark>C</mark> N G
UniRef90_F6ZRG6 UniRef90_H0WKR6	I D E C C M E H D S C Y K E T R L R H K V W K W Q I Y F T H Y N Y Q C H T D W C C W V H D R C Y G Q L E E E G C S V R T E S Y K Y R S S	QG
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UniRef90_Q2YHJ5 UniRef90_UPI0003F1661B UniRef90_W2T7B9	SDRCCFVHDCCYGKVN GCDPKDDFYTYSSE TDWCCRNHDCCYSHLKSQRC HINTDSYRYNFS	O $G$
UniRef90_W217B9 UniRef90_G3SLK1 UniRef90_UPI0003F0B847	NDRCCMMHDNCYDEAVESGKCVGTLWQ YISSYKWD <mark>C</mark> V TDRCCAEHDCCYKRLQKQGCGT KFLNYKFTRS TDRCCAKHNCCYRKLKKFKCDTNL <u>L</u> KYKFS <u>T</u> S	G G
UniRef90_D6NKG5 UniRef90_U3KN66	T D WCCHAHDCCY K R L SSVT CVP H L A T Y K F S L K T D R C C L A H D C C Y R R L F K R K C G T K F L S Y K F S M S	R G R G
UniRef90_UPI00042A956F UniRef90_UPI00042A956F	D R C C Q       R D N C C D Q   V   K K   L   E S C K S   L   K T T P D R C C Q   I   R D N C C D Q   V   K K   L   E S C K S   L   K T T P	
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UniRef90_UPI0004549277 UniRef90_UPI0003C25875	L  D	DQ
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UniRef90_Q7T2Q4 UniRef90_K1PHK7 UniRef90_Q1RP79	LDR <mark>CC</mark> QTHDNCYGEAEKLTK <mark>C</mark> SPYYKTYKYD <mark>C</mark> S VDGCCRKHDSCYGRVN <mark>C</mark> YFGAQFVPFVTS <mark>C</mark> NSTTQE <mark>C</mark> TDRCCFVHDCCYGRVR G <mark>C</mark> NPKLAIYAYSFK	
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UniRef90_F6TK24 UniRef90_UPI00022F3925	T D R <mark>C C H D H D <mark>C C</mark> Y K K A K K H R <mark>C</mark> Q P K                                  </mark>	D R G T
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UniRef90_UPI00046BAD81 UniRef90_UPI0000523823	L_D	DG
UniRef90_UPI0003F107AF	I D W <mark>C C</mark> HHHD <mark>C C</mark> YHHANE E A G <mark>C</mark> R T K V E P Y F W K <mark>C</mark> V	DΚ

UniRef90_G5AKR8 UniRef90_UPI0002C45229 UniRef90_UPI0002C45229 UniRef90_UPI000386F50B UniRef90_UPI000386F50B UniRef90_UPI000366F50B UniRef90_UPI00036C0F34 UniRef90_UPI00046C0F34 UniRef90_UPI0003F104CC UniRef90_UPI0003F104CC UniRef90_UPI0003F104CC UniRef90_UPI0003F104CC UniRef90_UPI0003C0FB8A UniRef90_UPI0003C0FB8A UniRef90_UPI0003C0FB8A UniRef90_UPI0003SC401A UniRef90_UPI0003SC401A UniRef90_UPI00035P8BE UniRef90_UPI0003740AC2 UniRef90_UPI00035998BE UniRef90_UPI00035998BE UniRef90_UPI00035998BE UniRef90_UPI000331955D UniRef90_Q9PVE9 UniRef90_Q9PVE9 UniRef90_Q9PVE9 UniRef90_UPI000331955D UniRef90_UPI000331955D UniRef90_UPI000331955D UniRef90_UPI000331955D UniRef90_UPI0003340455 UniRef90_UPI0003AF4E73 UniRef90_UPI0003AF4E73 UniRef90_Q8UUI4 UniRef90_Q8UUI4 UniRef90_B2KNL5 UniRef90_B2KNL5 UniRef90_UPI0003AF4EF3 UniRef90_UPI0003AF4EF3 UniRef90_UPI0003AF4EF3 UniRef90_UPI0003AF4EF3 UniRef90_UPI0003AF4EF3 UniRef90_UPI0003AF4EF3 UniRef90_UPI00045424EB UniRef90_UPI00045424EB UniRef90_UPI00045424EB UniRef90_UPI000441EE50 UniRef90_UPI000441EE50 UniRef90_UPI000441EE50 UniRef90_UPI000441EE50 UniRef90_UPI000337D4C UniRef90_UPI0003F1T727 UniRef90_UPI0003F0B847	TTKKDQQTTAVMVVV ATØGNKVATNNGQAHQDDAAHKKDDDGTTGTØTØTKLNDZQCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCC	LIMELY WILL WROLLDRY OR TO AREH WEVE WOOLLDRAA PWELLING HAY PWOND OR TO HOOLEN TO HOOL	CONTROL OF THE PROPERTY OF THE	AAAA⊞QQ\>\AMKAH+ZZD0%QQTZMZXADMMADDMMMMX0QQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQQ	BUBURE LIBELISTEE ILYMIIIIII DIIFFFIDDIEE ILIREE MEELIGYIFIINYYE	120  120  120  120  120  120  120  120
UniRef90_UPI00042A956F UniRef90_UPI00042A956F UniRef90_UPI0004440F64 UniRef90_UPI00038EDA0C UniRef90_UPI00038EDA0C UniRef90_UPI00038EDA0C UniRef90_UPI0003C143C1 UniRef90_UPI0003C143C1 UniRef90_UPI0003C143C1 UniRef90_UPI0004549277 UniRef90_UPI0004549277	E V T C C C C C C C C C C C C C C C C C C	S D K N P P P P P P P P P P P P P P P P P P			C D R Q A A   C D R V A   E C D K V A F A   E C D K A F A   E C D K T A   E C D K T A   E C D K T A   E C D K T A   E C D K T A   E C D K T A   E C D K T A   E C D K T A   E C D K T A A   E	CLQDQPYHEEHRGYLN CFSKQ CLAQSSINFSLNLLDP CLAQSSINFSLNLLDP CLAGSSINFSLNLLDP CLRENTYNKSFRYHLK CFAGAPYNDNNYNIDK CIAQSRFNSSMKGFKD CIAQSRFNSSMKGFKD CFSKSSENR CFSKSSENR
UniRef90_UPI0003C25875 UniRef90_L5JT89 UniRef90_UPI0003EBEB04 UniRef90_UPI00039440A8 UniRef90_G3HU40 UniRef90_Q7T2Q4 UniRef90_Q1T2Q4 UniRef90_K1PHK7 UniRef90_Q1RP79 UniRef90_UPI0002C67E77 UniRef90_UPI00022F3925 UniRef90_UPI00022F3925 UniRef90_P24294 UniRef90_UPI00022F3925 UniRef90_P24294 UniRef90_UPI00046BAD81 UniRef90_UPI00046BAD81 UniRef90_UPI0000523823 UniRef90_UPI0003F107AF	NI VCC NI VCC DI QCC T F Q CC E I T V CC VP V	SS G S S S S S S S S S S S S S S S S S	ARDV CLRDI CERSV CEQQL CKSFV CLRDV CKOV	DEEANNEDE	DLEFAA CDAAAA CDAAAA CDAEVAF CDLEFSR CDQQAAI CDRVAAA	CLQRHSYKKKLRFFWPCFAQNTYNPENKNLDQCLRRNSYQRRYRFYPNCLKQNSYNKRLRYYWRCFAGAPYNDKNFMINTCLRGQPVHSVFMYKFLSSCFAKAPYNQENWNIDTCLQRNSYQKHLRYYWWCISRAFNSILIMYPNCCFSKIPYTKQYRGICFSKIPYTKQYRGICFSKAPYNDANWDIDTCLGRNSYNDANWDIDTCLRDNTYNKKYVLYSFCFAKAPYNDANWDIDTCLRDNTYNKKYVLYSFCFAKAPYNDANWDIDTCLRDNTYNEEYANYPRCMASAFFNQSLKSSGSCLAKPSYNSTYYGLDTCLAQTKYDLKYLFYPR

JniRef90	G5AKR8	QL C
JniRef90	_UPI0002C45229	QEC
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UniRef90	UPI000386F50B	QEC
JniRef90	B2YHV5	SHC
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JniRef90	_UPI0003F104CC	V E C
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JniRef90	_UPI000441EE50	Q A C
JniRef90 <sub>.</sub> JniRef90 <sub>.</sub>	_UPI000441EE50 _Q6H3C7	Q A C K D C
JniRef90	_F6TK75	K D C L L C
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JniRef90	_6110003337 <i>D</i> 40 _F6ZRG6	G R C
JniRef90 JniRef90	_H0WKR6 _P00622	L F C S K C
UniRef90	_F00022 _UPI0003F11727	
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JniRef90	_G3SLK1	V L C
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JniRef90	UPI00038EDA0C	S L C
JniRef90	_O57385	PSC
UniRef90 UniRef90	_Q5G290 UPI0003C143C1	SRC
JniRef90	_UPI0003C143C1 _UPI0003C143C1	S F C S F C
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JniRef90	_UPI0003C25875	
UniRef90 UniRef90	_L5JT89 _UPI0003EBEB04	SR <mark>C</mark> S
JniRef90	UPI0003EBEB04	WLC
JniRef90	_G3HU40	SRC
JniRef90 JniRef90	_Q7T2Q4 _K1PHK7	TQC
JniRef90	_Q1RP79	S R C
JniRef90 JniRef90	_A6MJG6 UPI0002C67E77	K K P H C
JniRef90	_F6TK24	G R C
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JniRef90	_R4FIM5	K
JniRef90 JniRef90	_A7X4N6 _UPI00046BAD81	PEC
JniRef90	_UPI00046BAD81	PEC
UniRef90 UniRef90	_UPI0000523823 UPI0003F107AF	T K F L C
יווועפואוווט	_UF1UUU3F1U/AF	F L C

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UniRef90_M7BJE6 UniRef90_M7BJE6 UniRef90_W5NS89 UniRef90_UPl000333DF2A	S F W D L Q K M I K Q V T M K C A F W N Y Y N Y G C H C G L G G K G T P K D G S F W D L Q K M I K Q V T M K C A F W N Y Y N Y G C H C G L G G K G T P K D G D L K S M I E K V T G K P A L K S Y G F Y G C H C G W G G R G T P K D G N F K E M I E Q V T G R N A I L Y Y G F Y G C H C G L S G K G Y P M D E
UniRef90_I3MGP6 UniRef90_I3MGP6 UniRef90_UPI00034F81D8	L L Q F V H G M K C V A D L C P R D F E D Y G C A C R F E M D G L P M D E L Q F V H G M K C V A D L C P R D F E D Y G C A C R F E M D G L P M D E 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 D G K G N P I D A
UniRef90_UPI00034F81D8 UniRef90_I3N450 UniRef90_L5MIK4 UniRef90_L5MIK4	LGEMLF <mark>C</mark> LTGR <mark>C</mark> PEEFESYG <mark>C</mark> Y <mark>C</mark> GQDGKGNPLDA NFNSMISSVTKKNGATNYGAYGCHCGLGGKGAPKDA QLGQMLF <mark>C</mark> LTA R <mark>C</mark> PEEFESYGCYCGHEGRGEPRDA QLGQMLF <mark>C</mark> LTA R <mark>C</mark> PEEFESYG <b>C</b> YCG <u>H</u> EGRGEPRDA
UniRef90_UPI0002C42EFA UniRef90_O42191 UniRef90_U3EPG6	DFRKMIQL VTNKKPVISYGFYGCYCGLGGRGTPKDE SLLQFETLIM KVAKKSGMVWYSNYGCYCGWGGQGRPQDA LYQFKNMIQCTT KRPVWHFAWYGCYCGSGGSGTPVDE
UniRef90_K7DYR4 UniRef90_UPI0003AF7818 UniRef90_G3WHY8 UniRef90_C1JAR9	L Y Q F K N MI Q C T T K R P V W H F A WY G C Y C G S G G S G T P V D E S L L Q L K K MI R Q A T G K N P I F S Y L N Y G C H C G P G G R G Q P I D A G L I G L A G T I D C V G P R P A L V Y V K Y G C F C G L G G H G Q P Q D A S L W Q L R S M L N K A T G R S A F L N Y A F Y G C F C G Y D G K G Q P L D D S L W N F F F M T F I G G K R A P W K Y D G Y G N H C G L G G K G S P V D S
UniRef90_U6PXC9 UniRef90_UPI0003F0EDD5 UniRef90_UPI0003F0EDD5 UniRef90_UPI0004439D9A	SLWNLRQVGVCTLHYS PIRYNNYGCWCGFGGSHEPLDEGMLQLGEMLFCLT SRCPEEFESHGCYCGREGRGDPRDDGMLQLGEMLFCLT SRCPEEFESHGCYCGREGRGDPRDDWNLDRMILKAV GKEAASAFGDYGCNCGYRQKGAPVDALYQFDNMIQCANKGKRATWHYMDYGCYCGSGGSGTPVDADLYQFDNMIQL MTRKEAFWAYGFYGCHCGLGGRGAPMDE
UniRef90_P08872 UniRef90_UPI00034F2D42 UniRef90_T1J145	SIVIPUPKS MIE KII II GKDAIVI DYIVIGY GN W <mark>U</mark> GILIGGKGKPKDK
UniRef90_UPI0002653BE7 UniRef90_A6MFM3 UniRef90_UPI00026546C5 UniRef90_W4XE93	S V F N F G E M S S C A T N S Y S S R Y D G Y G C F C G L G G H G T P V D N L M Q F A N M I T C A N R N T R S W I S Y T N Y G C Y C G S G G S G T P V D D F V Q F A V M V T C A T S L P G F L F N D Y G C H C G L G G K G T P V D D F V Q F A V M V T C A T S L P G F L F N D Y G C H C G L G G K G T P V D D
UniRef90_A0A016W1F0 UniRef90_P86389 UniRef90_H9G7D1 UniRef90_K9IQI7	F V Q F A V M V T C A T S L P G F L F N D Y G C H C G L G G K G T P V D D S L F N F G Q L G R C I L G Y S P I I Y N N Y G C W C G V G G S H E P M D E L W Q F G Q M M S D V M R K N V V F K Y L S Y G C Y C G W G G I G Q P K D A Q L N E M I Q L S T V T F S L A N F T N Y G C H C G P G T Q G F P V D D L L D F R K M I R L V T G K E A M S S Y S F Y G C H C G L G G K G S P K D A A L N Q F R K M I L C V M P D S S P I F D Y A E
UniRef90_Q4SE94 UniRef90_H1A002 UniRef90_UPI0003957402	LAQFAWLIKQKTGKS PLAYNRYG <mark>C</mark> YCGWGGSKQPLDA L <u>AQF</u> GMMIVQK TGKSP <u>L</u> AYNGYG <mark>C</mark> YCGW <u>G</u> GSKQP <u>V</u> DA
UniRef90_P82114 UniRef90_Q2YHJ9 UniRef90_C3Z8F9 UniRef90_P00621	S V I QL G K MI L Q E T G K N P V K Y Y G A Y G C N C G P L G R R K P L D A V V Q F G S MI S H V T G R S A L D Y L E Y G C Y C G L G G S G T P L D P L T Q F G N MI N K M G Q S V F D Y L Y Y G C Y C G W G G Q G K P R D A
UniRef90_F7E598 UniRef90_W5KYG2 UniRef90_P48650 UniRef90_C3Z8G0	EFQRMIKQ VTGKNAVPNYSTYGCHCGWGGKGTPKDA SVLELSGVIKCSTG RYALAYSLYGCYCGLGGQGWPRDN SVVELGKMITQE TGKSPFPSYTSYGCFCGGGERGPPLDA SVLQFGAMISH VTGRNPF DYLDYGCYCGLGGSGTPADD
UniRef90_E1B9V3 UniRef90_F6ZR11 UniRef90_Q8UW08 UniRef90_F7GN52	
UniRef90_K7JAT1 UniRef90_A8E2V7 UniRef90_UPI00046B4EE5	A V T H L Y N M I V C A T G C N P L A Y K G Y G C Y C G F L G S G Y P M D G  E L R K M I L Q E T G K N A V T S Y G L Y G C N C G V G G Q G P P K D A  N F H K M I R L T T G K E A A S S Y G F Y G C H C G V G G K G Y P K D A
UniRef90_K7FDX4 UniRef90_R0LSL8 UniRef90_S4RSI4 UniRef90_P80963	SIV LIELLER MILIK AIVIT GK SAIL LISY SWY GC FCGX X X X X X X PIVID A WN FA WMILY RIVIT GR N PLDYSGY GCHCL MGSEGHPVDA SMY ELIGK MILL LIE T GK N A A T SYII A Y GC N C GIVIGR R G O PIL D A
UniRef90_Q9QX68 UniRef90_R4G2M4 UniRef90_UPI000395A5D9 UniRef90_UPI0003F0FF5E	ELNRMI WQLTGMRAGLSYAFYGCHCGLGGRGSPKDALIQFGDMIECANQNTRSALDYMDYGCYCGKGDSGTPVDDSLLQLHQMIS KATGKNALLHYGFYGCYCGLGGKGQPKDAVTGKSALWDYGFYGCYCGWGGRGTPKDALYQFGKMIKHK TGKSALLSYSAYGCYCGWGGRGTPKDALYQFGKMIKHK TGKSALLSYSAYGCYCGWGGQGKPQDA
UniRef90_P0CAR9 UniRef90_UPI00042BE471 UniRef90_UPI00045D73C5	E A YILIH Y G C Y C GILIG G O G W P K D K
UniRef90_UPI0003F09844 UniRef90_P82896 UniRef90_K1QTJ0 UniRef90_J9K038	SLFNLKSMVEG ITGRNAIRTFVGYGCYCGLGGRGLPMDG MIE KVTGKNALVNYGFYGCYCGWGGRGTPKDA LMQFELLIM KVAGRSGIVWYSDYGCFCGKGGHGRPQDA LTQFSQMIY STTGRDPF DFSDYGNWCGLGGNGSVVDA SVYQLYNMVVCA TGCNPI SYLGYGCYCGFLGSGSPVDP
UniRef90_P0CAS4 UniRef90_I3LM13 UniRef90_I3LM13 UniRef90_P23027	L T QFSQMI Y STTGRDPF DFSDYGNWCGLGGNGSVVDA SVYQLYNMVVCA TGCNPI SYLGYGCYCGFLGSGSPVDP SLVQFEKMIK EETGKNAVPFYAFYGCYCGWGGRGRPKDA ALLRFVNGMKC VAGLCP RDFEDYGCACRFEMEGLPVDA L L RFVNGMKC VAGLCP RDFEDYGCACRFEMEGLPVDA L VEFGFMI RCANRNSQPAWQYMDYGCYCGKRGSGTPVDD
UniRef90_P51433 UniRef90_H8PG85 UniRef90_UPI000444657F	L VQFDSLIE CANYGSRPSWHYLDYGCYCGWGGRGAPKDG
UniRef90_UPI0003EAAA35 UniRef90_UPI0003EAAA35 UniRef90_S4RSH3 UniRef90_UPI0002656EAA	AIL FN FMQKLKCTT KLCPRDLEDYGCSCRYEEEDRPIDD ALFN FMQKLKCTT KLCPRDLEDYGCSCRYEEEDRPIDD AI WN FA WMI WKVV RIINPAEYSGYGCNCLSTGHGKPVDD
UniRef90_F5CPF0 UniRef90_A8CG89 UniRef90_F1LAZ2 UniRef90_R4G2F3	S V L Q L A S M L K C V T G C S P L A F H G Y G C F C G Y M G D G S P V D P L I Q F G N M I Q C N N T R P S L D F S G Y G C Y C G R G G S G T P V D E L F Q F A R M L D A K Q E A F S F F K Y I S Y G C Y C G W G G Q G T P K D A A L W N L E E M C K C K L D Y S A L A Y N N Y G C W C G I G G A G E P I D S L V Q F G N M L Q C A N H G S R P T R H Y M D Y G C Y C G W G G S G T P V D E
UniRef90_I0BWR7 UniRef90_P14411 UniRef90_UPI00032A1D8B	L D Y N G Y G C H C G W G G S G Q P V D D L Y Q F K N M I Q C A G T Q L W V A Y V N Y G C Y C G K G G S G T P V D Q V L T L Y S M I Q C S T G C Q P I I Y K G Y G C Y C G F S G A G I P A D G
UniRef90_L5JV61 UniRef90_P49121 UniRef90_H0WKR5 UniRef90_UPI0003C2956A	MIK TVTGKNALINYGFYGCYCGWGGHGTPKDG SLLELGKMILQE TGKNALTSYGSYGCNCGWGHRGQPKDA MIE KMTGKSA LQYNDYGCYCGIGGSHWPVDQ QFDELIRLT TFTHSLANFSNYGCHCGPGTQGVPVDP
UniRef90_UPI0002C662CD	PALQYNDYG <mark>C</mark> YCGFGGSRWPVDQ

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UniRef90_S7P1T7	T D W C C	50 A E H D C (	YERLEKEKSCS KELTYYFTYEKG
UniRef90_R4FI56 UniRef90_U6CYA9	TDWCC	WAHDY (	CYAEAGKKR <mark>C</mark> K PKLTLYSWK <mark>C</mark> AKD CYGWLEEKGC QLRTQPYTY <u>T</u> F <u>A</u> HG
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UniRef90_W5NS89	TDWCC	WKHDRO	CYAQILIETQD <mark>C</mark> DIVLITQAYRYRIVIAWG
UniRef90_UPI000333DF2A UniRef90_I3MGP6	T D W C C	A E H D <mark>C (</mark> F Q H R R (	CYDRLESYG <mark>C</mark> WT KLLSYKFTVKKĞ CYEEASEQDC HQDPSRLSAKVD <mark>C</mark> ISK
UniRef90_I3MGP6 UniRef90_UPI00034F81D8	T D S C C	FQHRR	CYEEASEQDC HQDPSRLSAKVDCISK CYEEASEQDC HQDPSRLSAKVDCISK CIEHLKKLGCQPQRNIRSEVL CLDH
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UniRef90_I3N450 UniRef90_L5MIK4	IDRGG	ARHDG	YKKII IFKKG <mark>U</mark> GI KFII ISYKFKYOAG
UniRef90_L5MIK4 UniRef90_UPI0002C42EFA	L D R C C	RSQPC	TRKEALAH WVEVQEKQALRGS WGSWELGSK TRKEALAH WVEVQEKQALRGS WGSWELGSK DYERLEKHGCGT KLLSYDFAYRGN
UniRef90_O42191	T D R C C	FVHDC	CYGKVT G <mark>C</mark> DPK <u>MDV</u> YSFSEENG
UniRef90_U3EPG6 UniRef90_K7DYR4	TDWCC	KAHDC	CYDEASKVHK <mark>C</mark> WPKLTFYSYD <mark>C</mark> SEG CYEHLAEQK <mark>C</mark> YAHLDVYKYKYVSG
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UniRef90_C1JAR9	II ID R C C	QIVIH D R (	C
UniRef90_U6PXC9 UniRef90_UPI0003F0EDD5	LDRCC	LSHHC	CYRDAVENKL <mark>C</mark> RD TALEYVLVYNWQ <mark>CT</mark> NS CLEQLKRLG <b>C</b> LLEGPPRSRA ACVDH
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UniRef90_P08872		KAHUUU(	Y P K W I L Y S W Q C I E N
UniRef90_UPI00034F2D42 UniRef90_T1J145		KVHDE	CYNLIRKRG <mark>C</mark> GT KFLNYQFTVRGH CYTLIMKTN <mark>VC</mark> SKF NLYS <u>S</u> QYKWKLRNK
UniRef90_UPI0002653BE7 UniRef90_A6MFM3		QVHDN QVHDD	CYGDVEAANGEP <mark>C</mark> PGTNUYTLEYTYE <mark>C</mark> EEL CYGEAQKLPEC NPYKNFYSYFCAFG
UniRef90_UPI00026546C5	V D R C C	QIHDE	CYNLLRKRGCGT KFLNYQFTVRGH CYTLIMKTNVCSKF NLYSSQYKWKLRNK CYGDVEAANGEPCPGTNLYTLEYTYECEEL CYGEAQKLPEC NPYKNFYSYECAEG CYDSI CYDSII A GVCRNDLVYLTTYKYTCKSS CYDAAVNAGICRDVAYQ YLSSYKWKCVNR
UniRef90_W4XE93 UniRef90_A0A016W1F0	DKCC	MHHDN(	Y D A AVN A GILCR DVA Y Q YLSSYKWKCVN R
UniRef90_P86389 UniRef90_H9G7D1	II DRCC	HGHDC	CYGKVTG <mark>C</mark> DPKMD IYTYTYSKENG CYNK <u>A</u> EMFG <mark>C TPHL<u>H</u>TYRFYAQRD</mark>
UniRef90_K9IQI7	TDRCC	ATHDC	CYYRII IQKRG <mark>C</mark> RT KSII ISYKFAYRKG
UniRef90_Q4SE94 UniRef90_H1A002	T D R C C	HAHDC(	CYSDAMQHPECWPILDNPYTKLYDYTCANR CYKKLVASGC SPKTATYKYTLKGK CYKRL <u>V</u> SSGC SPKRTLYKYVFQGN
UniRef90_UPI0003957402 UniRef90_P82114	T D R C C	H A H D C ( Y V H K C (	CYKK L TNCD PKKDRYSYDWKNK
UniRef90_Q2YHJ9	TDRCC	YMHKC KVHDA	CYKKILIT DS NPII IK DRYSYSWENK
UniRef90_C3Z8F9 UniRef90_P00621	TDRCC	FVHDC	CYGK MGTYDTKWTSYKYEFQDG
UniRef90_F7E598 UniRef90_W5KYG2	A D W C C	HRHDC	CYFRLEKKG <mark>C</mark> RLKTDRYNYSYRSG CYAT <u>A</u> QDSGCHTKPAQ YRWS <mark>C</mark> STD
UniRef90_P48650 UniRef90_C3Z8G0	TDRCC	LAHSC	Y D T L P D C S P K T D R Y K Y K R E N G C Y G A V D S S D G V G T A H L I N Y H F T Q E G G
UniRef90_E1B9V3	TD WCC	YDHNC(	<mark>D</mark> Y G Y  L  T P H N <mark>C</mark>
UniRef90_F6ZR11 UniRef90_Q8UW08	LDRCC	QII H D D (	CYQKLFDQG <mark>C HPYVDG</mark> YKFSIDNQ CYGEAEKQGC YPKMLIYDYY <mark>C</mark> GSD
UniRef90_F7GN52 UniRef90_K7JAT1	I DRCC	MLTTC( KMHDW(	C
UniRef90_A8E2V7 UniRef90_UPI00046B4EE5	TDRCC	FIVIHKC	CYKKLT GCNPQTDRYSFSWKNG CYSRLERRGCGT KFLGYKFSNKGS
UniRef90_K7FDX4	T D WC C	HAHHC	CYKRLKSSG <mark>C</mark> SGSR QRYSYTYKDG
UniRef90_R0LSL8 UniRef90_S4RSI4	IVID R C C	QIVIH N R (	CYDAAFSMG <mark>C</mark> ASD ILIDSYEFSTRGK
UniRef90_P80963 UniRef90_Q9QX68	TDRCC	Y   V   H K <mark>C (</mark>	CYKKLT G <mark>C</mark> NPLTDRYSHSLKNK CYDRLEDLG <mark>C</mark> GT KSLDYNFK <u>Y</u> SRG
UniRef90_R4G2M4	LDRCC	KII H D D (	CYGEAENSILIN <mark>C</mark> SPYWAWYTWQ <mark>C</mark> TEN
UniRef90_UPI000395A5D9 UniRef90_UPI0003F0FF5E	T D W C C	WL HDH	OY QNLLEYRC NAKTRLYRYSWHHG CYGWLEQKGC NVRTQPYRYRLVRG
UniRef90_P0CAR9 UniRef90_UPI00042BE471	T D H C C	F	CYGE <u>V</u> SG <mark>C</mark> YPKTAFT <u>L</u> KFENQ CYSKAEQAG YKPK  ESYNWE <mark>C</mark> EDN
UniRef90_UPI00045D73C5 UniRef90_UPI0003F09844		HAHDC	:Y () K     F   )     G   C
UniRef90_P82896	TDRCC	FIVIHDC	CYGKVTE <mark>C</mark> D <u>P</u> KMDFYRYS <del>S</del> NNG
UniRef90_K1QTJ0 UniRef90_J9K038	I D N C C	<u>K M</u> H D W (	C Y D <u>V I I G N P K C G S V Y T II K Y N F N I S K G</u> C Y D S <u>A D <mark>C P M F L</mark> E Y F T P Y <u>V</u> W T <u>C </u>Y N K</u>
UniRef90_P0CAS4 UniRef90_I3LM13	T D R C C	F Q H R R (	V E K [ V C N T K W D E V P V S [ P S C
UniRef90_I3LM13	SDSCC	FQHRR <mark>(</mark>	CYEEAADMDC LQDPSKLSTDVNCVSK
UniRef90_P23027 UniRef90_P51433	T D WC C	RMHDR	CYEEAADMDC LQDPSKLSTDVNCVSK CYEEAADMDC LQDPSKLSTDVNCVSK CYDEAAKIPGCK PKWTFYFYQCGSG CYGLLEEKHC ALRTQSYDYRFTQD
UniRef90_H8PG85 UniRef90_UPI000444657F	TDWCC	WAHDH (	CYGQLQEKGC NIWTQPYKYRLARG
UniRef90_UPI0003EAAA35 UniRef90_UPI0003EAAA35	I D S C C	SOHRRO	CYKAAAEKD <mark>C</mark> CYKA <u>A</u> AEKDC KLQPGRILLNTT <mark>C</mark> PAG KLQPGRILLNTT <mark>C</mark> PAG
UniRef90_S4RSH3	VDRCC	QAHTK(	C Y E Q V Y K M S C
UniRef90_UPI0002656EAA UniRef90_F5CPF0		OVHDN	CYSSTH <mark>C</mark> SHVAT YFLPYDWH <mark>C</mark> SHG CYGE <u>A</u> ETVHE <b>C</b> DPYWTFYSYE <b>C</b> SEG
UniRef90_A8CG89 UniRef90_F1LAZ2	SDRCC	F V H D C	CYARVK GCNPKLVEYSYSYRTG
UniRef90_R4G2F3	LD GCC	K <u>T H D D (</u>	CYGE V E <u>K</u> KG <mark>C</mark> YPK L  <u>S</u> FYSWK <mark>C</mark> TEN
UniRef90_I0BWR7 UniRef90_P14411	LDRCC	QTHDH(	CYEALSURK <mark>C</mark> HPK <u>LV</u> TYFYSGGKD CYHNAKRFGK <mark>C NPYF<u>K</u>TY<u>E</u>YT<mark>C</mark>NKP</mark>
UniRef90_UPI00032A1D8B UniRef90_L5JV61	II DRCC	K M H D K (	CYE
UniRef90_P49121	TDRCC	FIVIHKC	CNHKTDRYSYSWKNK
UniRef90_H0WKR5 UniRef90_UPI0003C2956A	IDKCC	HGHDC(	CÝ GHĽEKĽDC EPKMEKÝĽFSŰSRR CYNK <u>AQMFGC TPDT</u> HRY <u>R</u> FYANGD
UniRef90_UPI0002C662CD	TDWCC	HAHDC	CYGRLERLG <mark>C</mark> EPILEKYLFSANKS

		90			100 110 120
UniRef90_S7P1T7 UniRef90_R4FI56	E I V V P V	<mark>C</mark> EE QDY <mark>C</mark> C NSKS <mark>V</mark> C	R R Q L G S F V	C E C	C N K A A A Y C F A R N T Y Q E R Y Q F H Y N C D A A A A K C F A K A P Y N K N N I G I G S C D Q K L A Y C L K R N S Y N T F Y L R F P K
UniRef90_U6CYA9 UniRef90_M7BJE6	R V T K I Y	C A D A E K S G	SQIII	CT	C D Q K L A Y C L K R N S Y N T F Y L R F P K
UniRef90_M7BJE6 UniRef90_W5NS89	F V I	<mark>C</mark> ADAEKSG CEH GSR <mark>C</mark>	QRQL	C A	CDQK <u>FV</u> Y <mark>CL</mark> KRNSYN <u>PLY</u> QYF <b>P</b> N
UniRef90_UPI000333DF2A UniRef90_I3MGP6	V V S K V T		R R Q L S H L L	C Q C	CDRTVAYCFSRSSYNPKLWHYGN CDKAALECLAQSGINSSLNLVDT
UniRef90_I3MGP6 UniRef90_UPI00034F81D8	K V T	CESA DPC	SHLL	C T	CDKAALECLAQSGINSSLNLVDT CDKAALECLAQSGINSSLNLVDT CDKAAAECMAAAPYNETARLEMR
UniRef90_UPI00034F81D8 UniRef90_I3N450	KPT	CLGWGIC CEANQSYC	D K L L	CA	C D K A A A E C M A A A P Y N E T A R L E M R
UniRef90_L5MIK4 UniRef90_L5MIK4	SILV	V G V G Q S P C V G V G Q S P C	EKLL	CA	C E Q T A A E C M A S A F F N Q S L K S S G R
UniRef90_UPI0002C42EFA	Q I V	<mark>C</mark> ENQ DF <mark>C</mark>	RNQL	ČQ	CEQTAAECMASAFFNQSLKSSGR CEQTAAECMASAFFNQSLKSSGR CDRTATYCFARNTYNTEYQYYPN CDRAAAICFRDNTYNKKYWAFGA
UniRef90_U3EPG6	QLT	CKDNDTKC	KKEI	CN	C D R I A A L C F A K A P Y D D N N F Y I N S
UniRef90_K7DYR4 UniRef90_UPI0003AF7818	TIVIK	CDESGDKC	OFILL	CK	CDOFFAY <mark>C</mark> II ARTFYNII IKYII IFYPN
UniRef90_G3WHY8 UniRef90_C1JAR9	QLV	C D T T D T V C	AQAI	C K	C D K A L A Y C L K E H T F N S S Y K H F P G
UniRef90_U6PXC9 UniRef90_UPI0003F0EDD5	V P K	<mark>C</mark> LDAEGT <mark>C</mark> CVGQSLC	K R A L E K L L	C G	C D T A V V N C WA Q Q P R P K R K L R C N R C D Q T A A E C M A V A S F N Q S L K S P G H
UniRef90_UPI0003F0EDD5 UniRef90_UPI0004439D9A		CSPQDYC CSPQDYC	E K L L P A Q V	C G C	CDQTAAECMAVASFNQSLKSPGH CDQTAAECMAVASFNQSLKSPGH CDKALAHCFAKSSYNRKYQYYSE CDATAAKCFAEAPYNNKNYNINT
UniRef90_P08872 UniRef90_UPI00034F2D42	EIE	O O I IN Q D I O	Q K S V R <u>S</u> W L	C A C	C D A T A A K C F A E A P Y N N K N Y N   N T C D K T A A Y C L A Q N S Y K K S Y Q F Y P D C D K Q V V K C F A K N K Y H R V N K N
UniRef90_T1J145 UniRef90_UPI0002653BE7	I VK	CII IP DII IN P C	PVAL AQAL	C K C	C D K Q V V K C F A K N K Y H R V N K N C D K T A S L C F A A N E Y N D E Y A S Y D K
UniRef90_A6MFM3 UniRef90_UPI00026546C5	Q L T	C D E A N D G C C K D D N D E C D S S K N D A C	K A L I R Q S L	CKC	C D K T A S L C F A A N E Y N D E Y A S Y D K C D R L A A I C F A K A P Y N T K N F M M N D C D R N A A L C F A R S K Y N I G N T F Y D K
UniRef90_W4XE93 UniRef90_A0A016W1F0	SILIT	C S S K N D A C C E E N Q G V C	R Q S L E A A I	CE	CDRNAAL CFARSKYNI GNTFYDK CDSAAVQCWSKQPRPQKKIRCNR CDRVAAL CFRDNTYDSKYWFYGA
UniRef90_P86389 UniRef90_H9G7D1	D V V	CGG DDPC CVKSRDRC	KKQI	CE	CDRVAAICFRDNTYDSKYWFYGA CDRKAAKCFGKHTYNPQLKNHPM
UniRef90_K9IQI7 UniRef90_Q4SE94	Q I  T	CAK QNYC CGSSNNEC	RSQL	C R C E	C D R K A A K C F G K H T Y N P Q L K N H P M C D K A A A T C F V K N T Y S K K Y Q Y Y N N C D R K A <u>A</u> E C F G R S E W N P E H E H L P S
UniRef90_H1A002	Q I  T	CON ONSC	Q K Q T Q R G I	CA	C D K K A V E C E O R A S Y R K S Y D N Y P N
UniRef90_UPI0003957402 UniRef90_P82114	T I V	CGF FNPC	II IK OII I	C F	CDKAIVAII ICII IR FNTYNKKRDIVIYII IK
UniRef90_Q2YHJ9 UniRef90_C3Z8F9	A I V Y V T	CNNDFGTV	ARDA	CE	CDKAVAL CFRENTYNKKERUNTK CDREATYCFKRYPY CDRVAALCFARNTYNSKYFGYSS
UniRef90_P00621 UniRef90_F7E598	TVT	CGG G GS WC	EKML	CA	CDRVAAIICFARNTYNSKYFGYSS CDKTAAYCMRSNSYNDKLKYFPN CDAEAARCLKKAAYNLEYAVYPD
UniRef90_W5KYG2 UniRef90_P48650	L P D E I I	CEN STSC	KKRII	CE	C D K A IV IA IV ICIL IR K N T Y N K K Y T Y Y P N
UniRef90_C3Z8G0 UniRef90_E1B9V3	L V T N V Q	<mark>C</mark>	A R E A E Q Q L	C E C	CDREAAFCEDRYPY CDKTLAFCLQRNTYKNHLRHLSR
UniRef90_F6ZR11 UniRef90_Q8UW08	T [L]T	C S E Q N T E C	DKQT	CE	CDKNVVLCLNNQLYNEEFRSYFN CDVAAAKCFAR
UniRef90_F7GN52 UniRef90_K7JAT1	A I F	CAGR TT <mark>C</mark> CAIDEHGSC	QRLT	CE	CDKRAAL CFRDNTYNRKYAHYPN CDRSFAFCI RRY
UniRef90_A8E2V7 UniRef90_UPI00046B4EE5	A I V Q I T	<mark>C</mark> GG DD <mark>PC</mark> CAKQE SC	K K Q I R S Q L	CEC	C D K A V A I C L R L N T Y N N K Y K R Y M K C D K E A A Y C F A R N T Y N K K Y Q Y Y S N
UniRef90_K7FDX4 UniRef90_R0LSL8	NIII	CAILL GGWC	F F QIV	CD	CDKNTAII CII FRNTFNNRYIVIRYRD
UniRef90_S4RSI4 UniRef90_P80963	A I T	CRKQGSPC CGE NKPC	ETLA LKEM	C S C	C D K A VA S C F A G T S Y N P S Y R F Y F K C D K A A V E C F A I H D F D D N F Q N F K R C D K A L A L C L G K N T Y N K N Y K I T M K
UniRef90_Q9QX68 UniRef90_R4G2M4	E I T	CSVNQDFC CDS NTGC	G Q Q L K S S V	CH	CDKALALCLGKNTYNKNYKITMK CDRLLAECLAQHSYSWKYLMGIK CDAAAAKCFAEAQYNKENYNIDT CDRSLALCLRRNSYRKGYQFYPQ
UniRef90_UPI000395A5D9 UniRef90_UPI0003F0FF5E	R L S L V T	C RPGSR <mark>C</mark> CFF GRSC	SYLS	CEC	CDRSLALCLRRNSYRKGYQFYPQ CDQKFVNCLRRNSYNPSYRFFPN
UniRef90_P0CAR9 UniRef90_UPI00042BE471	DII	CGD EDPC	NRAV	ČE	CDRKFVNCLRRNSYNPSYRFFPNCDRVAALCFGENTSDKKYLF CDRKAAKCLAKAPYYPSYLFWPD CDRKAAKCLAKAPYYPSYLFWPD CDKNISQCFQKQAYNEEYRNYLN CDRKLVYCLRRNSYNPSYRYFPN CDKAAAICFRDNTYDNKYWNIPM
UniRef90_UPI00045D73C5 UniRef90_UPI0003F09844	TIV	C S E N Q T E C	DQQI	CE	CDKNISQCFQKQAYNEEYRNYLN
UniRef90_P82896 UniRef90_K1QTJ0	DIV	CEA NNPC CR <u>D</u> ER PC	TKEL	CE	C D K A A A I C F R D N T Y D N K Y WN I P M
UniRef90_J9K038 UniRef90_P0CAS4	KPL	CSLGGG C CGK GTWC	SQRL	CE	CDRTASLCFHANRYNTTKKGMLA CDQKLAMCLRR CDRVAAECLRRSTYRYGKMIYPD
UniRef90_I3LM13	SVT	C IVIS S D Y C	Q H L A	E D	VDQA
UniRef90_I3LM13 UniRef90_P23027	$\cap \overline{E}$ $\top$	~ • • • • • • • • • • • • • • • • • • •	D NIIV/ V/	$\sim$ $\sim$	
UniRef90_P51433 UniRef90_H8PG85	L V I G P T	CSD NNEC	KAFI	C N	CDRKLVYCLRRNSYNRLYQYPN CDAAAAKCFARAPFNQENWGI CDQKLTSCLKRNSYNPHYRYFPN CDKAVIECIAHSQYNSSLRHLDS CDKAVIECIAHSQYNSSLRHLDS CDKAVIECIAHSQYNSSLRHLDS
UniRef90_UPI0003EAAA35	L V A	CDA SDFC	Q M K L	C L	CDKAVIECIAHSQYNSSLRHLDS
UniRef90_UPI0003EAAA35 UniRef90_S4RSH3	N I T A L R	CDA SDF <mark>C</mark> CTRGGPPC	E E F F D V H T		CDKAVIECIAHSQYNSSLRHLDS CDKAAVECFARSHFNRRYRNFNR
UniRef90_UPI0002656EAA UniRef90_F5CPF0	KLT	C K D N N T K C	KEFV	CN	C D R E A A N C F A K A P Y I D S N Y
UniRef90_A8CG89 UniRef90_F1LAZ2	KII VI	C F I Y NRC	KRAIVI	$C \vdash 0$	CD RIVIA AII ICII IG Q N I Y N K G Y M F II IS S
UniRef90_R4G2F3 UniRef90_I0BWR7	V P T T I T	CDSETG C C LGGNEC	K A S V Q R Q T	C A C	CDKAVVDCWCAVP CDAAAAKCFAKAPYNNANWNINT CDKAAAALCFRRSTYRDQYYGYAA
UniRef90_P14411 UniRef90_UPI00032A1D8B	N L T K P L	CRGAKGS <mark>C</mark> CAIDHGSC	GRNV AARL	CO	CDRAAAI CFAAAPYNLSNFGINK CDLKLSRCLRRFT CDRKLVYCLNRNSYNPGYRFFPN
UniRef90_L5JV61 UniRef90_P49121	LVT	CEE KNPC	QVKL LKFM	CAC	C D R K L VY C L N R N S Y N P G Y R F F P N C D K A V A L C L R F N T Y N
UniRef90_H0WKR5 UniRef90_UPI0003C2956A	NI F	CAGR TAC	QRQT	Č M	CDKAVAICLRENTYN CDRRAALCFRHNTYNKYAHYPN CDQKAASCFRKQSYNPMFQNHPT
UniRef90_UPI0003C2956A UniRef90_UPI0002C662CD	NI L	CAGR TAC	QRQT	CE	CDKTAALCFRQNTYNHKYARYPN

UniRef90_	S7P1T7	K Q C
UniRef90_ UniRef90_	_R4FI56 _U6CYA9	K K S L <mark>C</mark>
UniRef90_ UniRef90	M7BJE6 M7BJE6	
UniRef90_ UniRef90	W5NS89 UPI000333DF2A	FLC WNC
UniRef90_	I3MGP6	SSC
UniRef90_ UniRef90_	I3MGP6 UPI00034F81D8	R E C
UniRef90_ UniRef90_	UPI00034F81D8 I3N450	V L C
UniRef90_ UniRef90_	_L5MIK4 _L5MIK4	QEC
UniRef90_ UniRef90	UPI0002C42EFA O42191	WKC KNC
UniRef90_ UniRef90	U3EPG6 K7DYR4	K R C F F C
UniRef90_ UniRef90	UPI0003AF7818 G3WHY8	F L C S Q C
UniRef90_	C1JAR9	
UniRef90_ UniRef90_	U6PXC9 UPI0003F0EDD5	T R Q E <mark>C</mark>
UniRef90_ UniRef90_	UPI0003F0EDD5 UPI0004439D9A	Q E C R N C
UniRef90_ UniRef90	P08872 UPI00034F2D42	S N C L F C
UniRef90_ UniRef90	T1J145 UPI0002653BE7	E N
UniRef90_ UniRef90	A6MFM3 UPI00026546C5	ĸ
UniRef90_	W4XE93	D 0
UniRef90_ UniRef90_	A0A016W1F0 P86389	R Q K N <mark>C</mark>
UniRef90_ UniRef90_	_H9G7D1 _K9IQI7	ANC NKC
UniRef90_ UniRef90	_Q4SE94 H1A002	NK <mark>C</mark> EN SK <mark>C</mark>
UniRef90_ UniRef90	UPI0003957402 P82114	S K C
UniRef90_	Q2YHJ9 C3Z8F9	∏F <mark>Č</mark>
UniRef90_ UniRef90_	P00621	SKC
UniRef90_ UniRef90_	_F7E598 _W5KYG2	WKC FLC
UniRef90_ UniRef90_	_P48650 _C3Z8G0	F W C
UniRef90_ UniRef90	E1B9V3 F6ZR11	∏F <mark>C</mark>
UniRef90_ UniRef90	Q8UW08 F7GN52	KLC
UniRef90_ UniRef90	K7JAT1 A8E2V7	V L C
UniRef90_	UPI00046B4EE5	G K C
UniRef90_ UniRef90_	K7FDX4 R0LSL8	RKC LRC
UniRef90_ UniRef90_	S4RSI4 _P80963	M F C
UniRef90_ UniRef90_	_Q9QX68 _R4G2M4	KSC
UniRef90_ UniRef90_	UPI000395A5D9 UPI0003F0FF5E	T WC
UniRef90_ UniRef90_	P0CAR9 UPI00042BE471	F V C
UniRef90_ UniRef90	UPI00045D73C5 UPI0003F09844	I Y C V F C
UniRef90_	P82896	L <u>U</u>
UniRef90_ UniRef90_	K1QTJ0 J9K038	K L
UniRef90_ UniRef90_	P0CAS4 I3LM13	S R C
UniRef90_ UniRef90_	_I3LM13 _P23027	K
UniRef90_ UniRef90	P51433 H8PG85	F L C
UniRef90_ UniRef90_	UPI000444657F UPI0003EAAA35	L L C S S C
UniRef90_	UPI0003EAAA35	SSC KR
UniRef90_ UniRef90_	S4RSH3 UPI0002656EAA	IX IX
UniRef90_ UniRef90_	F5CPF0 A8CG89	Y Y C
UniRef90_ UniRef90_	F1LAZ2 R4G2F3	
UniRef90_ UniRef90_	I0BWR7 P14411	N K <mark>C</mark> K
UniRef90_ UniRef90_	UPI00032A1D8B L5JV61	∏F <mark>C</mark>
UniRef90_ UniRef90	P49121 H0WKR5	KLC
UniRef90_ UniRef90_ UniRef90	UPI0003C2956A UPI0002C662CD	M R C K M C
OHII/6190_	_U1 1UUUZUUUZUD	IX IVI U

UniRef90_F7G7D1	1 1	10	20	30 40 G E P V D D
UniRef90_F7G7D1 UniRef90_UPI000333AFD8 UniRef90_G3I6R8 UniRef90_UPI000442325C UniRef90_UPI0002B43937	F F QLG K MLC	QEETGKS   VTGKNAI	PSFVGYGCYC FSDFNYYGCYC VLAYVWYGCYC	G K G R T G Q P L D A
UniRef90_UPI000389141F UniRef90_H9GGW3 UniRef90_G3I6R6	SLELGLTLV	<i>N                                    </i>	FALNLYGCYC FEYTSYGCHC KDYNTYSCFC WHYMDYGCYC	GTGGSGTPIIDA
UniRef90_H8PG82 UniRef90_C3YGY4 UniRef90_E1BLF3 UniRef90_UP10003C499E0 UniRef90_UP10003D0EA5D	L F S L S G V I F	R <mark>C</mark> VITRRSAL K <u>F</u> T_TGKEP/	_	G R G G W G A P V D D G A G H R G T P K D A X G T G T P V D A
UniRef90_UPI0003D0EA5D UniRef90_G3UQC5 UniRef90_A7RYD8 UniRef90_UPI0003BB7E5F	E F R S MI P	V   T G K N A     K <mark>C</mark> T   P D S H P i	L N Y A F Y G C Y C FL R F D D Y G C Y C A WD Y N G Y G N WC	G L G G K G R P K D P G L G G S G T P V D E
UniRef90_C3Y4E1 UniRef90_D2X8K2 UniRef90_UPl0004445E4F UniRef90_UPl0004445E4F	G V W Q F A Y M I S L L S F V S R L F S L L S F V S R L F	$\Lambda \ V \ V \ T \ C \ D \ N \ D$		G P G G Q G K P V D L
UniRef90_V8NC39 UniRef90_V8NC39 UniRef90_H3BHG1 UniRef90_UP100042CF042	QLGEML\QLGEML\ QLGEML\ MFQYGSMI\ LVQFGAMTE	YCLT NRC YCLT NRC YCLT NRC YVTTRRNII ERTTG KP/	P	G L G G R G N P V D P R H V A S G N P V D P G Q E G R G H P T D E G Q E G R G Q P I D A G V G G S H A P V R E
UniRef90_UPI00039913FD UniRef90_UPI00046B667B UniRef90_L9K3Q5 UniRef90_L9K3Q5	S L W D L H K M I T S L F N L K A M V E Q L G E M L F Q L G E M L F	F K V T G K N A L E A L T G K S A L C L T S W C L C L T S W C L	_	GTGGKGKPKDA GLGGRGQPVDG GQDGRGEPKDT GQDGRGEP <u>K</u> DT
UniRef90_UPI00033148AB UniRef90_UPI0003AEED0C UniRef90_UPI0003AEED0C UniRef90_UPVF4 UniRef90_T0MUC9	MILIC	Q	_ R	GTSGKGQPIDA GYGGSHAPVRA GTGGKGKPKDDG GTGGKGEPKDT GQDGRGEPKDT GWGGRGTPVDA RFEMEGLPVDA RFEMEGLPVDA GWGGKGTPVDA
UniRef90_T0MJC2 UniRef90_UPI000383BBD5 UniRef90_A8WTM4 UniRef90_UPI00042AB9F3 UniRef90_K7F301	GLIGLAGTIE ALWNLEEVTE WKFDNLF	CV GPRP	AL VYVKÝGČĖČ	GLGGHGQPQDA GVGGSHEPVDG
UniRef90_G3UTT1 UniRef90_F6UHQ4 UniRef90_C3YLK8 UniRef90_R4FJ04	L K QLE E MI E L Y Q F V R MI E L L H F G F MI (	E T	E	G V G G H G K P K D A G F E G Q G F P K D A G R G G A G E P V D G G S G G S G T P V D D
UniRef90_UPI00042C5144 UniRef90_H8PG86 UniRef90_G3VTN9 UniRef90_G3VTN9	L L N L K S M V E L L Q F K F M I E Q I G E M L \ Q L G E M L \	E ANTGRNA[ E C ANRGSRD ( Y C L T A R C I Y C L T A R C I	_	G
UniRef90_C3ZJJ9 UniRef90_V9KZN0 UniRef90_UPI000328E59B UniRef90_F1LFX1	NLK A MVE ALWN M D G M S C	I T G R C P	Y W D Y G C W C Y D F E Q Y G C F C	GOFGRGRPIDE
UniRef90_G3INX8 UniRef90_W4Y755 UniRef90_UPI000441972D UniRef90_A7S6G1 UniRef90_A0JL26	GL LELY GTI R	G WLDPKLNSU C GTRRFS	FRENRYGCYC SLAYLGYGCYC	G P G G S G W P K D E
UniRef90_A0JL26 UniRef90_A0JL26 UniRef90_F7AJW9 UniRef90_I4DQF0 UniRef90_UPI00034FA596	SVLEFAVSLI SVLEFAVSLI LWQFRNI I GVLHLYNMI I GVFHLYNMI I	CETGLOP CETGLOP COVIPSSDP	A DIQDHGHYC YFDYNDYGCYC PLAYKGYGCYC	RDLQQIQPVDA RDLQQIQPVDA GIGGSGTPVDA GFLGSGRPTDG GFLGTGRPTDG
UniRef90_G3HU41 UniRef90_V8NFW5 UniRef90_UPl0003C39658 UniRef90_G3GU78	VLRLYSML	KCS TGCDP	- K G Y G C Y C	GLGGRGKPMDE GPGTQGLPVDA GFLGHGIPADG GLSSWIPFLED
UniRef90_UPI0003F0734A UniRef90_A7S5K1 UniRef90_U3EPE2 UniRef90_T1KX48	FVQFGEMI SVWRFASMI GLIQLASMI	VAMTRKT/ AKATG RG/ R <mark>C</mark> VSG CE	A	G SSNWPVDQ GLGGKGNPVDA TPVDD GLFGSGKPVDP
UniRef90_A7S6H4 UniRef90_UPI00038BE2A0 UniRef90_UPI000442377C UniRef90_P86803	SLVQFGLMI P ELKSMI E MI ( LWQFGQMI	K	A	G K G G S G R A V D A G W G G K G T P K D G G K G G R G K P R D N G W G G R G K P K A G
UniRef90_UPI000441F47C UniRef90_G9I930 UniRef90_UPI0003C16FD3 UniRef90_H3BIC9	LIQFGKIIC LNQFRLMIP DFAAMIP SLFDMAMTLP	Q H <u>L                                  </u>	P	G
UniRef90_R4FJH9 UniRef90_UPI000443F5CB UniRef90_UPI0004443963 UniRef90_UPI000446BFF1F	NLDKMI P GVIHLYNMVS	Q C A N H G S R P T W K S T G K N [] / K T T G K E A (	「 WR Y M N Y G C Y C A S S F G L Y G C H C G P S Y S D Y G C N C -	G A G G Y G T P V D A H W G G K G A P R D A G F R R K G A P V D T G F V G S G Y A V D G
UniRef90_H0XQW0 UniRef90_UPI00044006D6 UniRef90_UPI000328CEF5 UniRef90_UPI0002036BC8 UniRef90_Q4RHA4	S L F N L R D M V E S L L N L K S M V I L V Q F G V M I E Q F G S M I K	E IVIGRKA  D ANTGRNA  E KVTGK P/ KEKTGKS	L S F <u>V</u> G Y G C Y C L S F Y G C Y C G G A L H Y N D Y G C Y C A L S Y N G Y G C H C	GLGGSHGLPMDE GLGGSHWPVDE GLGGSKRPVDP
UniRef90_Q4KHA4 UniRef90_Q8K130 UniRef90_W4Z1Q5 UniRef90_UPI000273EA53 UniRef90 P20253	GLLELAGTLI FLQFAAMIO GILELAGTVO LIQFKSIII	Q <mark>C</mark> T TKKNP[	QYQGYG <mark>C</mark> HC	GLGGHGEPRDA GFGGSAKPVDA GLGGHGQPRDA GWGGSGTPVDE
UniRef90_L9L576 UniRef90_Q6SLM1 UniRef90_UPI0000E48166	L V Q F G V M I E L K Q F K N M I C S V A Q F G V M M C	Q <mark>C</mark> A GTRT\	NT S Y  I  G Y G <mark>C</mark> Y <mark>C</mark>	G W G G S G T P V D E

JANSON DEFORMATION A D.S. C. E. P. O. H. R. K. V. E. D. A. A. E. M. E. V. E. D. A. D. LIT  **INTERNATION OF CONTINUES AND A D. L. T. V. A. D. L. T.			50	60 70 80
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JURINGRIGO DEVORALAGEAF  JURINGRIGO UPROMOMANDA SARAP  JURINGRIGO UPROMOMANDA SARAP  JURINGRIGO UPROMOMANDA SARAP  JURINGRIGO UPROMOMANDA SARAP  JURINGRIGO USANCO SARAP  J		I R P C C Q	THDRC	Y D Q A K K L D T C K F L L D N P Y T K S Y S Y K C S G S
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Junkelego Jupisodes 1959  Junkelego Jupisode	UniRef90_UPI0004445E4F	IL ID T C C A	AHRQC	Y Q S A A P CRORILIPPP PYNFSCSAE
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Jaineley D, UP100033913P5 Jineley D, UP100033913P5 Jineley D, UP1000334EDDC Jineley D, UP100034EDDC Ji	UniRef90_H3BHG1	TDRCCQ	KHDCC	Y E R   L I   A Q G C K P K T E T Y K F H   L   K Q G
Junkergo   1983/305	UniRef90_UPI00042CF042	TDGCCH	AHNCC	X G R   L   E K   L   G C E P K M E R Y   L   F S A T R H
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Junkergo UP1000334EBDC	UniRef90_L9K3Q5	LDRCCL	SHHCC	L E Q M R R L G C L L E G F P R S P V V C M G R
Junkel90 UP100034EED0C	UniRef90_L9K3Q5 UniRef90_UPI00033148AB	IDWCCW	/QHDQ <mark>C</mark>	YGD L QEAG <mark>C</mark> RII WIQSYRYR V QRG
Jinker90	UniRef90_UPI0003AEED0C	SDSCCF	QHRRC	Y F F A A D M D C
Jinker90		5 D S C C F	OHDCC DHDCC	Y K K L T D C D L Q D P S K L S I D V N C V S K
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Juriker90 C3YLK8 Juriker90 L4F1J04 Juriker90 L4F		TDKCCQ	AQGCC	YSKLMKEGC DPTMVKYNFTYQDK
Jinker90   JPI00042C5144	UniRef90_C3YLK8	IDTCCK	AHDEC	Y E G V N R P F R T T Y N F A V A A G
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Jilikef90 CF1LFX1  Jilikef90 CF1LFX1  S D S C C F Q H R R C Y D E A VE M D G C T R G Q P A K L S A D V D D G L N K JILIKEF90 UP1000441972D  JILIKEF90 JOHNO0441972D  JILIKEF90 JOHNO0434FAS661  JILIKEF90 JOHNO0442377C  JILIKEF90 JOHNO0442377C  JILIKEF90 JOHNO0442377C  JILIKEF90 JOHNO04435FAS641  JULY R C C WILY HO D C C Y E G L L E E K G C G D W R T A K R Y W L W L W L W L W L W L W L W L W L W	UniRef90_H8PG86	LDRCCK	THDDC	Y G E T Q K K G C N P Y W K W Y T W D C I E N
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DNCC R   H D E C Y E N	UniRef90_A7S6G1	TDFCCY	II IH D K C	Y D D    I    A R S T <mark>C</mark> G Y   S F Q    V    Y F R D Y K H S <mark>C</mark> T R <mark>C</mark>
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Jinkef90	UniRef90_F7AJW9	LDRCCQ	THDK C	YSDSK GYCNGLLDSPYLELYAYTCSGT
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Junker90_U3EPE2		I DRCCK	SHDCC	Y N K   V   E M Y G   C   N P K   V L   N Y Q F Y A Q R D   Y E H S N   C   V R G   V
Junker90_U3EPE2	UniRef90_G3GU78	LDPCCR	ARDNC	Y A QVD Y L G N C A L L T R N P Y T S S Y S Y S C S G T
JAIRE190_U3EPE2	UniRef90_UPI0003F0734A UniRef90_A7S5K1		AHD <mark>CC</mark>	Y E K L L Q K L L G C E P K L E N Y L F S L N G H Y N K I L D R G I C N K S R I Y I V N Y V F T G K K T
JniRef90_T1KX48	UniRef90_U3EPE2	ILIDKCCQ	IVIH D K C	Y D T A K RIVIH K C F P SIVIR T Y S Y D C S E G
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D	UniRef90_UPI00038BE2A0	T D R C C W	VHDRC	Y G E L E E K G C G L R T Q A Y D Y R V T R G
D R C C Q A Q K Q C Y D E A V K V H G C K	UniRef90_UPI000442377C	T D M C C Y	KHDCC	YEGILHRQGC HPFILEHYRYLIINN YGKITSCPKTD DPVSVSWIDG
D R C C Q A Q K Q C Y D E A V K V H G C K	UniRef90_UPI000441F47C	T D WCCR	AHDCC	YQAVKQRHCK PKTEKYSYSVEKS
D M C C K V H D D C Y G E A E K K G C D P K L L A Y D Y Y C G R D D NiRef90_UP1000443F5CB	UniRef90_G9I930	IL ID R C C Q	AQKQC	Y D E A IV IK IV IH G C K PIL V IM F Y S F E C R A S
D M C C K V H D D C Y G E A E K K G C D P K L L A Y D Y Y C G R D J D R E F O UP1000443F5CB	UniRef90_H3BIC9	V D Q C C F	THDCC	YRYARVNLRCGSKV K <u>WS</u> RYNYS <mark>C</mark> RKS
JniRef90_UP100046BFF1F	UniRef90_R4FJH9		IVIHDDC	Y G F A F K K G C D P K II I A Y D Y Y C G R D
JniRef90_UP100046BFF1F	UniRef90_UPI000443F5CB UniRef90_UPI0004443963	I D WCCA	E H N C C	YNRLENIG <mark>C</mark> QTRFSNYNIRFYWK
JniRef90_UPI000328CEF5	UniRef90_UPI00046BFF1F	II ID S <mark>C C</mark> K	MHDWC	Y D T A N C P M F II   F Y F   V   P Y Y W K C Y R N
JniRef90_UPI000328CEF5	UniRef90_H0XQW0 UniRef90_UPI00044006D6	A D WC C H	AHDCC	Y Q K L F D L G C K P F V D H Y D Y L I E N D
JniRef90_Q8K130       I_D W C C Y H H D C C Y S R A Q D A G C       S P K I_D R Y P W K C M D H         JniRef90_W4Z1Q5       T D Q C C M D H D R C I_K E I_E T T G V C T K H A F I_T T Y A V E M K G C G K K         JniRef90_UP1000273EA53       I_D W C C H R H D C C Y T R A E E A G C       S P K T E R Y S W Q C V N Q         JniRef90_L9L576       Q C C H A H D C C Y G E A V K Q G C       F P K I_T V Y S W K C T E N         JniRef90_Q6SLM1       L D R C C Y T H D H C Y N K A A N I P G C       N P I_L I K T Y S Y T C T K P	UniRef90_UPI000328CEF5	TDWCCH	AHDCC	Y T RIL IQ K R G C E P K IL IE N Y IL IF S A S R H
JniRef90_Q8K130       I_D W C C Y H H D C C Y S R A Q D A G C       S P K I_D R Y P W K C M D H         JniRef90_W4Z1Q5       T D Q C C M D H D R C I_K E I_E T T G V C T K H A F I_T T Y A V E M K G C G K K         JniRef90_UP1000273EA53       I_D W C C H R H D C C Y T R A E E A G C       S P K T E R Y S W Q C V N Q         JniRef90_L9L576       Q C C K V H D E C Y G E A V K Q G C       F P K I_T V Y S W K C T E N         JniRef90_Q6SLM1       L D R C C Y T H D H C Y N K A A N I P G C       N P IL I K T Y S Y T C T K P	UniRef90_UPI0002036BC8 UniRef90_Q4RHA4	T D W C C H	A H D C C	YKKL SSLT <mark>CVPHLVL</mark> YKFSMKGG YGDAFIFG <mark>C</mark> HTKTDOYRWK <mark>O</mark> FFK
JniRef90_P20253	UniRef90_Q8K130	I D WCCY	HHDCC	Y S R A Q D A G C S P K I   D R Y P W K C M D H
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JniRef90_L9L576         Q C C H A H D C C Y G R L E K L G C         E P K L E K Y L F S V G K D           JniRef90_Q6SLM1         L D R C C Y T H D H C Y N K A A N L P G C         N P L I K T Y S Y T C T K P           JniRef90_UPI0000E48166         T D R C C Q T H D D C Y S V V Q N S D M C R S         T D Q A Y V I S Y N Y N T Y S A	UniRef90 P20253	LDRCCK	VHDEC	YGEAVKQG <mark>C</mark> FPKLTVY <u>S</u> WK <mark>C</mark> TEN
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UniRef90_G3VTN9       KAKCKGQ SLCEKLLCSCDQTAAECMAAAAFNESLRFWSF         UniRef90_G3VTN9       KAKCKGQ SLCEKLLCSCDQTAAECMAAAAFNESLRFWSF         UniRef90_C3ZJJ9       NVTCCDQKGTCKRTLCECDKALVNCFTRSPYVEKHDHMDU         UniRef90_V9KZN0       QATCTGLTCCDQFLCSCDKALVNCFTRSPYVEKHDHMDU         UniRef90_UPI000328E59B       TIVCSEFNTACCDKQMCECDRSLAECLSASVYNSTLQGLNF         UniRef90_F1LFX1       MILCTRGQGSCEQALCDCDKRLFNCLAHFP         UniRef90_G3INX8       QIMCESEDPCERLLCTCDKVAVECLAQSSVNSSLNFLD         UniRef90_W47755       QIKCKESDDPCAYKLCQCDRKVAVECLSESKYNMKYKNYDI         UniRef90_UPI000441972D       QIKCKESDDPCAYKLCQCDKEAAAKCKKOARFNPDIFDYDI         UniRef90_A756G1       FPLSSVPSDFCRWDILCKCDSEAAKCEKOARFNPDIFDYDI	र २
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UniRef90_R0JTG0 UniRef90_P0C8M1 UniRef90_UP10042CDAA2	1
UniRef90_Q8AY47 UniRef90_Q7ZTA6 UniRef90_F6WQN6 UniRef90_UPI0003318FB0 UniRef90_P81166	LINFMKMIRYTIPCEKTWGEYVDYGCYCGVGGSGRPLDA LVQFELLIM KVAKRSGLLSYSAYGCYCGWGGYGRPQDA SLMNFHNVIQCAQPWANNVLSYGDYGCYCGYSGEGRPLDD QLNKMISSLVPEIL FTRFIKYGCYCGGGRSGSPVDE LYQLKNMIKCTNT RHWVSFTNYGCYCGYGGSGTPVDE ALDFNDYGNYCGUGGGRGVPVD
UniRef90_T1JIX8 UniRef90_UP100045DA30A UniRef90_P41485 UniRef90_D0UGJ0 UniRef90_UP10003C4D044	QFDEMIK VTTLIYGLANFSDYGCHCGLNNQGMPVDD LVQFETLIM KIAGRSGVWYYGSYGCYCGSGQGRPQDA SLIDFQFMIWHA TGKDAVSSYGSYGCYCGWGGRGTPUDA
UniRef90_P0C942 UniRef90_Q17F52 UniRef90_UP1000265235D UniRef90_UP100026546EE	L L K F N K M I K F E T R K N A I P F Y A F Y G C Y C G W G G R X X X X X X A V Y N L Y S M I K C A T G C D P I I Y K G Y G C Y C G F L G S G Q T V D G G M I D W E D E S T H S L F D F N L Y G C Y C G F G G G G V P V D K G Y G C Y C G F G G G G N P V D A G V L H L Y N M V I C A T G C N P L A Y K G Y G C Y C G F L G S G Y A L D G S M L N L K A M V E A V T G R S A L L S F V G Y G C Y C G L G S G Q P K D E
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UniRef90_E4WWK2 UniRef90_Q7ZW60 UniRef90_UPI00042AD9A4 UniRef90_T1JLI6 UniRef90_B3SE98	SLLNFAAKLROSSGL CPRDLDDYGCTCTHLVAGAPVDP NLEKMMTFIDTSSNNITRYWVYGCWCFQMGDGAPQDE QFDEMIK VTTIVYGLANFSDYGCHCGANTGGRPVDA LNDMIKCIIPGNDPLAPLKIYGFYCTFESSQLVETE VLLLYNVVSC GTGCNP MRLMGYGCYCGFMGAGIPVDG RNPIAYLRYGNYCGLGSRGTPVDE
UniRef90_UPI0001555855 UniRef90_E4X235 UniRef90_C3YX84 UniRef90_UPI0003832604 UniRef90_UPI0002C325EC	GLADENS QISCYEGGMMS SQYLGYGCYCGRENAGEPVDA LESUSGVIRC VTGNSALLMYNNYGCECGREGGREGVDD VIQEGSMIKHKTGKS ALSYNGYGCYCGLGGSKQPLDA
UniRef90_UPI000359F346 UniRef90_E9FRS7 UniRef90_T2MHZ8 UniRef90_UPI0003501D0A UniRef90_F6PVQ7	NRGCLDYNNYGCFCGLGNAASHVDG FGDMRFTT RMEALLFNNYGNHCGSGDTGTQIDA LSYDDYGCWCGPGGSGTPVDE GLMQLAAAIRCVTGRSS LRYLGYGCHCGPGGRGGPIDA LNLAKQIMCYQGKKWNLWNYGKYGCWCGVGGKGTPVDG
UniRef90_UPI0003AED085 UniRef90_H2YNM2 UniRef90_F7EJ44 UniRef90_Q3S3F8	V L N F H K MILIKLIK T G K S P V P N Y A F Y G C Y C G L G G K G S P K D A Y L H Y G C Y C G L G G A G V A V D A P P
UniRef90_A7SNJ7 UniRef90_W4Z3C6 UniRef90_F7DRN8 UniRef90_F6ZQN7 UniRef90_C3YYK9	SLFDFHAMIKCET KRNPLDYNYYGCYCGFGGRGSPVDG SLLEFAIMIKCH TGRWP LDYNGYGCYCGMGGEGRVIDE SLLNLKAMVE AVTGRSAILSFVGYGCYCGLGGRGQPKDE FWQFGRMIKL MTGKSAFFSYYGYGCYCGLGGRGNAVDD LIQFANMIE TVTGRSA LHYNFYGCYCGWGGSGTPVDG AVFNLYSMIKCATG CDPLIYKGYGCYCGFLGSGHVVDG SFIELAKAIQCSTDNS PLNYVNYGCYCGLGGSGWPQDK
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UniRef90_E1FI72 UniRef90_A8P1C4 UniRef90_E4WT13 UniRef90_UPI0003C00AE1 UniRef90_UPI000443E27D	SFWQFQRMVKHITGWSALFSYYGYGCYCGLGGKGTPVDDAFWNLFSMKKCIGGKCLFYYNGYGCNCGLGRSYKPVDDAIWNLFGMKKCIGGKSLLYYNGYGCNCGLGRKYQPVDDLLQLAEMVKQVQRTDYLFERYCFYGCHCIPGGKGPAQDGLLNFRKMIKLTTGKEPATRYSFYGCYCGMSGRGTPKDASFWQFQRMVRHVTGRSALFSYYGYGCYCGLGGKGTPVDDLVQFGKLVMCLNIGYTEGLEYDGYGCFCGKGGKGTPVDAALWQFRNMIKCTIPNSRPMDFNDYGCYCGLGGYGTPIDD
UniRef90_Q3C2C1 UniRef90_H3AX69 UniRef90_A0A016VZT6 UniRef90_I0BWR9 UniRef90_E9GJA4	F H L Y N M M S C T T Q C D P L S Y K G Y C G W G G S R Q P V D D
UniRef90_UPI0003AFEC83 UniRef90_Q5XVR1 UniRef90_E4YK38 UniRef90_UPI0004433B45 UniRef90_C3ZS47	PLAYNEYGCWCGLGGGGTPVDD FCYYGCYCLPGGYGEPVDR GMIQYRTMIK KITGYSYTKMFEKYGCTCDNRDNVKPEDA LLQLGNMMMCATG RVPSDYLDYGCFCGPGGKYAAMDD
UniRef90_F6WKI6 UniRef90_E4XS70 UniRef90_F6PVL8 UniRef90_UPI0002C57A53 UniRef90_A8Y2G9 UniRef90_H0WKR7	SLIELVE AVQCST KVSVWEYTDYGCYCGLGRSGWPQDKYGCHCGAGGIGVPVDGDKYGCHCGAGGIGVPVDGDYNYGCYCGLGGQGVALDESVXQFQKKVKH LTGRSAFFSYYGYGCYCGLGGKGTPVDDLYQLDDMSYCRM DKPFDAYRYYGCSCSGMAPDKPIDGSFWQFQRMVKH VTGRSAFFSYYGYGCYCGLGGKGVPVDD

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UniRef90_F6WQN6	T D Q C C Y L H D R	<mark>C</mark>
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UniRef90_UPI00033309F6	T D R C C L A H D C	<mark>C</mark> Y K E  L  K  V L  G <mark>C</mark>
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E D N L C D
L N E P G S C Q R N L C E C D R Q M A M S L S K Q T
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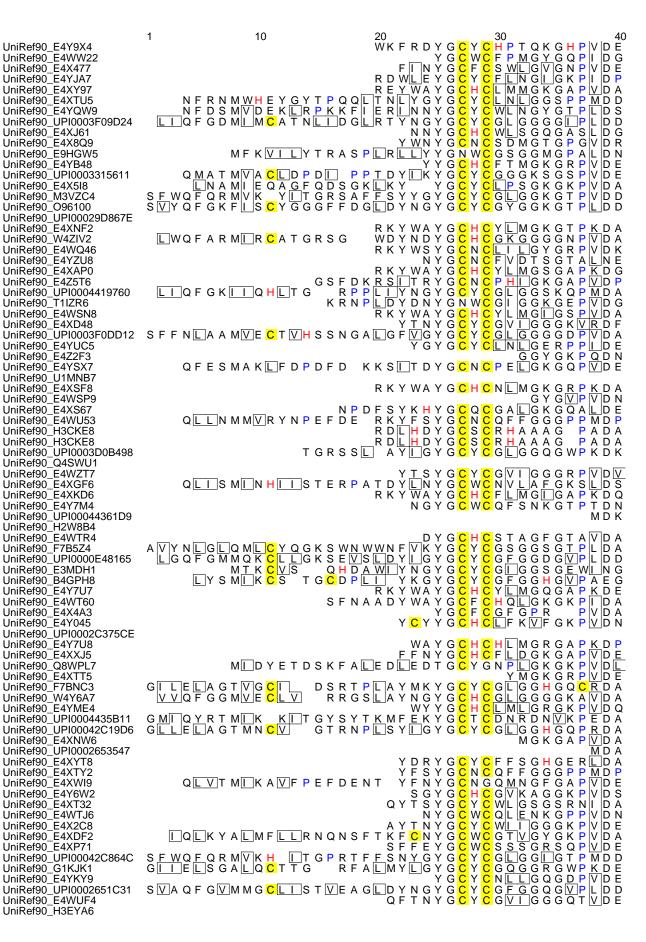
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UniRef90_E4XYC0	Y C F Y G C W C F P G G F G O P V D	N
UniRef90_P84397 UniRef90_H2RI52	LWQFGR ENQEVMGQHLPFHYLSYG <mark>C</mark> YCGWGG SFWQFQRMVKH ITGRSAFFSYYGYGCY <mark>C</mark> GLGGKGLPVD	
UniRef90_UPI0003318ED1	S F W O F O R M V K I V T G R S A F S Y Y G Y G C Y C G I G G K G T P V D	N
UniRef90_UPI0003F08912 UniRef90_E4X902	S F WQ F Q R MV K S S V T G W S A F F S Y Y G Y A C Y C G L G G K G T P V D  F C Y Y G C Y C L P G G Y G E P V D	
UniRef90_UPI0003F1631B	S F W Q F Q R MIV IK H	D
UniRef90_E4Y2I5 UniRef90_E4XJ57	F Y R Y G C W C F L G G H G E P V D  Y G C K C Q Y M V T D R P V D	
UniRef90_UPI000273A4E4		V
UniRef90_E4XPP1 UniRef90_E4XEF5	F C F Y G C Y C F P G G N S A P M D N A D C L F Y Y D P F T D A S O Y D S Y G C N C N C L G H G A A V D	G O
UniRef90_E4X1G1	NLADLLEYYIPETDA SQYLSYG <mark>C</mark> NCNLLGHGAAVD INLEAMISVTIGLENMPKSFQKYG <mark>C</mark> YCLWLGQGAPVD	Ē
UniRef90_F7E6K1 UniRef90_W4Y757	FCFYGCYCFPGGNSAPMD NLADLLEYYIPETDA SQYLSYGCNCNLLGHGAAVD INLEAMI SVTI GIENMPKSFQKYGCYCLWIGQGAPVD SFWQCQRMVKH I TGWSAFFSYYRYGCYCGLGSKGIPVD GRMLQWKVGWLISARKFQNYGCYCSKNGPLVPVD	D O
UniRef90_E4WRG6	F C F Y G C Y C F N A G S G A P M D	Ā
UniRef90_UPI0003D7924E UniRef90_B3RY31	F DLIDYG <mark>C</mark> F <mark>C</mark> GIGGKGHPVD	N
UniRef90_E4WQ49	$R \times \overline{Y} \overline{W} T Y G \overline{C} H \overline{C} \overline{\Box} I \overline{\Box} G Y G R P V D$	Р
UniRef90_E4Y8M7 UniRef90_C3Y4E2	TQLKYALMFLLRNQNSFTKF <mark>C</mark> NYG <mark>C</mark> WCGTVGYGKPVD YHLGRLLY <mark>C</mark> TT RRNPLDYNGYGCW <mark>C</mark> GFGGGGEPMD	A D
UniRef90_C3Y4E2	Y HILIGRILLIY CTT RRNPILIDYNGYG <mark>CWC</mark> GEGGGEPMD	ח
UniRef90_C3Y4E2 UniRef90_UPI00038C1839	YHLGRLIY <mark>C</mark> TT RRNPLDYNGYG <mark>C</mark> WCGFGGGGEPMD QFQRMVRH LTGRSAFFSYYGYGCYCGLGGRGLPVD	D A
UniRef90_P82893	S <u>LLJQLRKMI</u> K KMTNKEPILJSYSKYG <mark>CNC</mark> GMAGRGKP <u>V</u> D	Α
UniRef90_E4WT50 UniRef90_E4Y144	K P H   L   D W W G Y G C W C M A H G K G D P K D Y G C N C G D E G F G Y P T D	A
UniRef90_UPI0002746D37 UniRef90_E4XVF4	Y G C N C G D E G F G Y P T D  Y G C N C G D E G F G Y P T D  Y G C N C G D E G F G Y P T D  Y G C N C G D E G F G Y P T D  O C V G P R T P I A Y M K Y G C F C G L G G H G Q P R D  N K S F I R E L F N Y G C H C A F L G S G P A V D  Q F S T M F N S L Y T P S Q L T R A Y G Y G C H C G P G T R G P V L D  Q F D E L I G P R T V T H G L A N F T G Y G C H C G P G T R G P V L D  S F W Q F Q R M V K Q V T G R S A F F S Y Y G Y G C Y C G L G G K G S P K D  N F G T M L G K V T G K N P I T D Y S F Y G C Y C G L G G K G S P K D  M L Q C A E G L D H H F P N Y N D Y G C H C G L G G H G D P L D  N F Y E M F M S K Y D F P D L L E V Y S Y G C Y C G F G G F G K P V D  A L V F L G N M M S C T T T F L E T L V D F G F Y G C Y C G F G G F G K P V D  Q L T D M M G F Y N P D F D E R K Y W A Y G C Q C L L G H G Q P V D  Q F G R M I K C A T G R S A W D Y N R Y G N W C G R G G S G T P V D  K M V K N Y N P E F D E R K Y W A Y G C Q C L I M G H G K P I D	A
UniRef90_E4XVF4 UniRef90_E4XFA7	MTQUNPTFNVYYYGCHCAFLGSGPAVD	Ď
UniRef90_E4XSK0 UniRef90_F6ZIK0	QFSTMFNSLLYTPSQLTRAY GYG <mark>C</mark> YCGTMTGVYPMD	A
UniRef90_UPI00046B5080	SFWQFQRMVKQ VTGRSAFFSYYGYGCYCGLGGKGVPVD	Ď
UniRef90_UPI0003314987 UniRef90_K7E996	NFGTML GKVTGKNPI TDYSFYG <mark>C</mark> YCGTGGKGSPKD	A A
UniRef90_H2YSX8	MUQCAEGUDHHFPNYNDYGCHCGLGGHGDPUD	V
UniRef90_E4XR89 UniRef90_W4XV13	NFYEMFMSKY DFPDLL LEVYSYGCYCGEGGEGKPVD	A G
UniRef90_E4YME6	QLTDMMGFYNPDFDERKYWAYGCNCLILGHGQPVD	Ă
UniRef90_A7T773 UniRef90_Q86DU7	QFGRMIKCATGRS AWDYNRYGNWCGRGGSGTPVD FQFGWMIFCVIDOSSPVWAHTNYACYCGYGGSGVAVD	G D
UniRef90_E4XIJ2	QLNTTTGSGFGRYCCWCLVAPGGNPVD	Ď
UniRef90_E4XQT1 UniRef90_E4X7S2	Y C Y Y G C H C L P G G Y G K P V D K M V K N Y N P E F D E R K Y W A Y G C O C I I M G H G K P I I D	A G
UniRef90_UPI00045715F1	K MVK N Y N P E F D E R K Y WA Y G C Q C L I M G H G K P I D  S V L D I A F V L W C K N H Y S F S I Y Q V N G Y G C Y C G R G G D G I P L D  ML S Q C I T G R D P A D F N G Y G C Y C G L G G E G F A L D  R K F W A Y G C H C Y L M G Q G A P K D  E M K H Y R P N F D D T K Y F S Y G C H C L I R G T G Q P V D	Ĕ
UniRef90_A7SAU9 UniRef90_E4XJS6	MILIS QICILIT GRDPA DFNGYG <mark>C</mark> YCGILIGGEGFALID RKFWAYGCHCYII MGOGAPKD	D G
UniRef90_E4Z2H0	EMEKHYRPNFDDTK YFSYG <mark>CHCLI</mark> RGTGQPVD	Ă
UniRef90_E4XMK2 UniRef90_E4X7T0	NYGCYCGVIGGGKTKD	M
UniRef90_W5NZ99	DFQKM V KFT TGKD LL TTYSFYG <mark>CHC</mark> GAGNRGTPKD	Α
UniRef90_W8FT36 UniRef90_E4YMN8	T P V D  R K F W A Y G C N C L L G Y G P P V D	E
UniRef90_UPI00042ADEC6	ALWQFSNAFK <mark>C</mark> TFSPLDPFPGYSYYG <mark>C</mark> YCGFLRFLHPDE	E
UniRef90_W4Z0R4 UniRef90_E4WQ92	FQLTTMMEHVNPEFDE KKYWTYG <mark>C</mark> NCLVLGKGRPVD	E
UniRef90_E4WR25	LTQL MEMUMYLQH EPVFSKYCFYGCWCLPYGAGDPVD	Ē
UniRef90_E4Z0Y8 UniRef90_UPI0001CBA09C	VIQLKFAVQFKQKKKF LIGKY <mark>C</mark> FYG <mark>CWC</mark> FPNGTGDPVD LIAQLGDMVT <mark>C</mark> MTDANGTVRDYVGYGCFCGFGGFGTPIID	N D
UniRef90_E4XKB7	FQLTTMMEHVNPEFDE KKYWTYGCNCLVLGKGRPVDLTQLMEMIMYLQH EPVFSKYCFYGCWCLPYGAGDPVDVQLKFAVQFRQKRKF LGKYCFYGCWCLPYGAGDPVDLAQLGDMVTCMTDANGTVRDYVGYGCFCGFGGEGTPLDRKYWTYGCQCLILGHGPPIDKLMMSVMLGSGALASFTEYGCHCLLGSRVPAVDMTSYNPTFDYWTYGCHCLMLGKGAPLDYFNYGCHCFKENFGKAQDSLWNFGRMGKCVL KYNPFLFNHYGCWCGSGGGWDPID	Ē
UniRef90_E4X9Z5 UniRef90_E4XLG3	K L JM M S V JM L JG S G A L JA S F T E Y G C H C L L JG S R V P A V D M T S Y N P T F D Y W T Y G C H C I MI J G K G A P I D	N A
UniRef90_E4WSP7	Y F N Y G C H C F K E N F G K A Q D	Ř
UniRef90 A0A016W0C3	SLWNFGRMGK <mark>CVL KYNPFLFNHYG<mark>C</mark>W<mark>C</mark>GSGGWDPLD</mark>	E

UniRef90_UPI00046C1DB3	VDWCCFKHDCCYSKAEQAGCK PKIQSYNWECEDN	ĺ
UniRef90_A0A044QPZ9 UniRef90_UPI0003940433 UniRef90_A0A044U7C0 UniRef90_S4W5N8	I DRAVLE NRCYDTAEE  YL PYHWKCIQN I TGCCQAHDCCYRRLREGSC  SPLITPYSFTASHG VDTCCLRHKGCYNRALESGDCEHRLL PYL TIYEWKCVNC	<del>)</del>
UniRef90_H3F4P4 UniRef90_Q3C2C2 UniRef90_E4XM70	I D W C C Y H H D C C Y S R A Q D A G C S P K L D R Y P W K C M D H V D Q C C E R H N E C Y D S A R S E C G T L S P Y Y A F Y S Y K C E S K T D R C C K Q H D E C Y E R A T D E M G C W S I E T Y A T T Y D Y T K S K V S G L D F A C F A H S K C W G C S R A E N G K E C D A L Q T S Y N W K F V N V	'
UniRef90_G5BZK6 UniRef90_UPI0003501251 UniRef90_UPI0003C4AAF7	T D W C C L K H D C C Y N L L R K R G C G T	<del>}</del>
UniRef90_B4NFN2 UniRef90_UPI000329ADEB UniRef90_E4X2D3 UniRef90_O73873	N H P E C WP I L D N P Y T E F Y D Y N C Q N K V D K K C R D F S S C Y K C V A N D F K E T C K H T Q P Y S G R E D P V T G T R L D S C C Y V H D Q C C N D A M Q H P E C WP I I D N P Y T E F Y D Y N C N N K T D R C C Q K H D C C Y E R L I A Q G C K P K T E T Y K F H L K Q G	
UniRef90_UPI0003C18053 UniRef90_E4XGU7 UniRef90_E4YRW7	TDRCCQKHDCCYERLIAQG <mark>C</mark> K PKTETYKFHLKQGVDRTCKRLYNCHKCVNTGGICAPDATQYKVRGYESAPGVRVDKVCKAFQTCYRCVGIDYGCINSLGYEFEGKENKKTGERVDRCCQAHDTCYDKVSSNYFCGFPGA IYFAQYRTLSSRN	;
UniRef90_A7SCY6 UniRef90_E4WTQ2 UniRef90_UPI000359A60A UniRef90_E4XHK9	DRACK DE HICY GCI IK QEDCDGI DRSYLLES GIEDPSIGAR CCAAHDCCY DRLEDLGCGT KSLDYNFKYSRG	}
UniRef90_E4YYG9 UniRef90_UPI00045DF988 UniRef90_UPI000333874B	IDKTCKRLISQCYK <mark>C</mark> ASMKYG <mark>C</mark> PSNTHYEFTGILYDKATRMK TPRCCILAHDCCYEKIKHLG <mark>C</mark> QPVINSYQFHIVND	)
UniRef90_Q6UWX0 UniRef90_E4Y955 UniRef90_E4WW19 UniRef90_E4XYC0	T D WCCQT H D C C Y D H L K T Q G C G L Y K D N N  I D T T C K K Y K D C L K C V K M E F G E E C L N D D F R Y R L R Q T E N G  I D K A C F D F K Q C Y R C L K T W A G G S V T K C A G E L L G Y R F D L L D R  I D K S C R E Y S T C Y N C L Y N O N L G S O R C P F N T A D R Y O L R F G O V	2
UniRef90_P84397 UniRef90_H2RI52 UniRef90_UPI0003318ED1	I DKSCREYSTCYNCI YNQNIGSQRCPENTADRYQIRFGQVEPKCCYVHDCCYGKL DLYTYSKETGTDRHSPSSPSCYEKLKEFSC QPVLNSYQFHIVNGTDRCCQAHDCCYEKLKQGGC QPVLDTYQFHLVNG	;
UniRef90_UPI0003F08912 UniRef90_E4X902 UniRef90_UPI0003F1631B UniRef90_E4Y2I5	T D RRPSGYALGPNIGCLWGL  DRTCKQFNQCYSCAKSEECIGEYTKYRFKMIEDEETGEK  TD SPSSPCCYEKLKQLGC QPVLNSYQFHSVNG  DRVCQRFHKCISCVNLDHDCPDWAPYTFKTNKSRASGEK	}
UniRef90_E4XJ57 UniRef90_UPI000273A4E4 UniRef90_E4XPP1	L D A T C Q A H K D C Y R C A K E K F G E S C L P E F N N Y Q Y E Y V G N L D W C C H S H D C C Y N K A Q V F G C T P G S H T Y R Y L N L G T A D S A C K R H L Q C N E C S K M D F G E T C S A T D P Y N F V A K Q D D V T G	! }
UniRef90_E4XEF5 UniRef90_E4X1G1 UniRef90_F7E6K1 UniRef90_W4Y757	I DQACKNYKDCQRCVQI EDGSECNLEGP SALYKLGFLSD LDALCKNLWDAYKCLPI DE EDCSSTVPYKWKVQKG TDRCCRAHDCRYEKPKESGRQPVLNGYFHTVNGTVVC IDKCCMKHNQCYDGLVREGVCTFGQSYGYKKITENGAKTM	) }
UniRef90_E4WRG6 UniRef90_UPI0003D7924E UniRef90_B3RY31	PPGCCHAHDCCYGRLEKLGC PPGCCHAHDCCYGRLEKLGCKAHGTTSYLASYNWOCLAK	)
UniRef90_E4WQ49 UniRef90_E4Y8M7 UniRef90_C3Y4E2 UniRef90_C3Y4E2	L DVVCKQYKDCQKCVKMQFGEQCIGEMVK YKWRTTGS I DAACKEYTTCFNCVHKQESCDEEL YKMTGKMDNGER VDRCCKAHDECYVDVEKS CGSLFVYIGSYGYRCKRR VDRCCKAHDECYVDVEKS CGSLFVYIGSYGYRCKRR	2
UniRef90_C3Y4E2 UniRef90_UPI00038C1839 UniRef90_P82893	VDRCCKAHDECYVDVEKS         CGSLFVYI GSYGYRCKRR           VDRCCKAHDECYVDVEKS         CGSLFVYI GSYGYRCKRR           TDRCCWAHDCCYHKLKEHGC         QPLLNGYQFSIVNG           TDXCCXXHDCCYGKVT         SCSTKADSYSYSWEE	ì
UniRef90_E4WT50 UniRef90_E4Y144 UniRef90_UPI0002746D37 UniRef90_E4XVF4	T D X C C X X H D C C Y G K V T S C S T K A D S Y S Y S W E E V D S I C K M H A E C Y Q C A R M D Y G S S C D S T H G Y G V F G Q K D L I N G Y D S H C Y R L K R C Y Q Q L M A S H G E S C D P Q F A S Y E Y A S E S D I D W P E H A P V S P L L P G P I D Q Y C Q Q H K I C Y K C I N S I F N D G Q W R C N P A E S S Y K M N M S A Y	,
UniRef90_E4XFA7 UniRef90_E4XSK0 UniRef90_F6ZIK0	L D R T C K K F K S C L A C A R E T F G P T C I S E L Q E Y G Y I V E S G K D Q H C F D F V R C N R C V T F D F G P E C T P E Q V A Y E F V Q N R T I D K C C R G H D C R Y D K A E M F G C A P G T H T Y R Y Y S L P G	) }
UniRef90_UPI00046B5080 UniRef90_UPI0003314987 UniRef90_K7E996 UniRef90_H2YSX8	TDRCCFAHDCCYRRLIKKG <mark>C</mark> GT KGLNYD <u>V</u> TYRGN TDRCCQAHDCCYGG <u>LISHR</u> CWT FWDRYRYSYTRG TDQCCMFHDACYQTTRLIHNVW KWHITYFMNYNYQ <mark>C</mark> FGK	}
UniRef90_E4XR89 UniRef90_W4XV13 UniRef90_E4YME6	R DVQCKA WTTCYKCARI DVNNKC QPETVNYSWKDEND VDRCQTHDKCYEATNEGGVCYLTITAYIAPYKYDTEDA UDTVCKOYKCALKEYGETCULGE FVKYSYGOKNG	)
UniRef90_A7T773 UniRef90_Q86DU7 UniRef90_E4XIJ2 UniRef90_E4XQT1	VDRCCRAHDLCWGEVNHCD PFWNLYRYRISGK SDRCCQQHDNCWAGVKEDHDL SWARIILFNLYEYNCSPG IDRACRQHHVCTTCLSDKHKTQKSTCLAEDNIYKIDTEAK LDASCRRFGQCYQCLVDEHKDDKFNINGVTIGYQFDLGNK	
UniRef90_E4X7S2 UniRef90_UPI00045715F1 UniRef90_A7SAU9	L DASCRRFGQCYQCL VDEHKDDKFNINGVTIGYQFDLGNKLDVQCHKYKQCQKCVRKEFGSECIGEFVKYNW SVKSRNKFDRCCFTHDCCYDRALHTSCWKGT SIYLKPNYSQCKLGLDRCCVKHDNCYGLIQDSGLC GLSFNVYTLPYTYSADCKLDRCCVKHDNCYGLIQDSGLC GLSFNVYTLPYTYSADCK	
UniRef90_E4XJS6 UniRef90_E4Z2H0 UniRef90_E4XMK2 UniRef90_E4X7T0	LDRCCVKHDNCYGIIQDSGIC GLSFNVYTLPYTYSAD <mark>C</mark> KLDNKCKAYKDCQKCVREKHGNECIGEF KKYTWKYAGRRGLDSVCRKYKNCQKCVQFEYGKTCTEEAAYKIRYS SSGLDKKCREYKLCQQCARAQHGDMCRRPRTKTLLNDYGVEETVDHHCKELYRCYKCVLNDYSANYTDVAYTVDFTEDDSGNR	2
UniRef90_W5NZ99 UniRef90_W8FT36 UniRef90_E4YMN8 UniRef90_UPl00042ADEC6	TDRCCRARDCCYENLRKRGCRTS FQSYNFIFQRG LDRCCQVHDQCYSDAMQHPECWPIFDNPYTELYHYS <mark>C</mark> ANR LDTVCKHYKDCAQCAKKKHGDECINFKKYKFSESFYEKGN LDRCCRTRDNCLAQVTNLDNCAFLIRN	}
UniRef90_W4Z0R4 UniRef90_E4WQ92 UniRef90_E4WR25	T Y R <mark>C C</mark> Q V H D N C Y G D V E A A N G G P C P G T N     Y T   L   E Y T Y E <mark>C</mark> E E <u>L</u>  L D S V C K A Y K D C L   K C A R K T H G D M C   P E M V E Y K F R   K S D    D A T C R A K Q L C Y K C A Q L D Y G A N C K A T V G Y R F K G Y T L N G E R	)
UniRef90_E4Z0Y8 UniRef90_UPI0001CBA09C UniRef90_E4XKB7 UniRef90_E4X9Z5		 
UniRef90_E4XJC3 UniRef90_E4XLG3 UniRef90_E4WSP7 UniRef90_A0A016W0C3	I DETCRRHSLCQHCAKIDNCIGSAVGYSFSGHQNEQTGSNLDSVCKSYKDCLKCAREKHGEMCIGEFV EYSFNINSDQVCQDHQKCHHCIKLDYGHQCKTTKGYKARMDSLTGVKNDRCCMIHDKCYDAAVESNICSGTWWQ YVASYKWKCVDH	

UniPef00	UPI00046C1DB3	A A V <mark>C</mark> G	90	100	110	120
UniRef90_ UniRef90_ UniRef90_	A0A044QPZ9 UPI0003940433 A0A044U7C0	QTVCNDENS NITCSTEQS NPICTNSEN	WCQRETCLC	D T E V V K <mark>C</mark> W S R D T A V A S C F A S S D S E L V S C L K K A	SSYN <mark>H</mark> SYRFYF AQF	К
UniRef90_ UniRef90_ UniRef90_ UniRef90	H3F4P4 _Q3C2C2	E I A C R N Q N D	PCKRSVCEC	DKTFLD <mark>C</mark> LQKF DRIGAQ <mark>C</mark> FARS DRKLALNLREY	=	ĸ
	G5BZK6 UPI0003501251 UPI0003C4AAF7	E I E C S S K K K	P	DKRSVX <mark>C</mark> FKE		s
UniRef90_	B4NFN2 UPI000329ADEB E4X2D3	K P L C A I D H G K I T C G N N N N	S C A A R L C Q C E C E M F I C E C T C R R S L C E C	DLQLSRCLRR DRKAAECFARS DKRLAEELAAN D	S S W N P E H E H L P N P M N H K N W G	S
	UPI0003C18053 E4XGU7	GII IS C		DLAFAL DKALAEGLAQ		
UniRef90_ UniRef90_	A7SCY6	MPGCILITCG		D K KL A E E L P N S D R L L A E C L A Q F D L A L A K G L A K Y	SEFEWSLFN <mark>H</mark> SYSWKYLMGI	□κ
UniRef90_ UniRef90_ UniRef90_	E4XHK9	DVICTNKPG TIECLDPEG TVVCGCALG	S C R Y N V C Q C S C A R S L C E C S C G M K A C E C	D L A L A K G L A K Y D R N L A S N L A D C D K Q S V Y C F K E S D K Q S A Y C F K D S	/ E Q T W D E Q Y H S Q Q Y E W E S T Y E K N F K Q F S S T Y E K N F K Q F F	SSS
UniRef90_ UniRef90_ UniRef90	Q6UWX0 _E4Y955	KITCKDDAL	S C K R A I C E C	DKAFAEA <mark>H</mark> AL\	/QYNQDY <mark>H</mark> MF	
UniRef90_ UniRef90_ UniRef90	E4XYC0 P84397	QIFCTDPWG DLVCGG DD TVVCGCTLG	T C N R S R C E C P C Q K Q L C E C P C G L K A C E C	D R D L A M K L R Q F D R V A A L C F Q D N D K Q S V H C F K E S	HEPEWNMQYH NKDTYDQKPYN STYEKNFKQFS	I A S R
	UPI0003318ED1 UPI0003F08912 E4X902	SVFCECALG SILCRNKPG	P	D R D L A M K L R Q F D R V A A L C F Q D N D K Q S V H C F K E S D K R S V Y C F K E N D X Q S V Y C L K K N D K R M A E D L S R S	NTYRKSFTQFS NXENSKQLFSS /EDDWD	S R
UniRef90_ UniRef90_	E4XJ57	NI VCKNKRD	S C R R H H C E C S C N R A I C F C	DK QS AT CFKES DK K M A M DI K F A K	DITERNIFRQFF	3
UniRef90_ UniRef90_ UniRef90_ UniRef90_	E4XEF5	KVKCGYTRD WLQCIDEEG QPYCMNPVK NIVCSDNLD	S	D N K M A K C F R K Y D K A L A Y D L S D A D K Q F A E E L K Q A	/ M Y N P Q L Q S L P A E R E W N <u>L L H H</u> A F Y D S S N E N H D	E R
UniRef90_ UniRef90_ UniRef90_	W4Y757 E4WRG6	TCTSDPHTE	T C K Y F I C K C	DATVAHCFADN	NHYNSKHKGVG LEFSWNVLHHA	K R
UniRef90_ UniRef90_	_E4WQ49	KAICDNHSH GVVCVDKPG	T C K R N L C E C	DVKLAYDLKDLDKRALCFRHNDAKFSACIQKN	NIYNRKYAHYP YEYRIKYLGYD QHFNSDYHLFW	N R VS
UniRef90_ UniRef90_ UniRef90_	C3Y4E2 C3Y4E2	YLLCMDPIIG EITCTSNSS EITCTSNSS	WCKTALCNC WCKTALCNC	D L D Y A K K M P E C D L E L A K K I A N A D K V F A E C C A R Y D K V F A E C C A R Y D K V F A E C C A R Y	(PYNSENYG	
UniRef90_	UPI00038C1839 _P82893	T V A C G C L P C	L C G Q K A C E C	DKLSAY <mark>C</mark> FKEN	NTYEKAFRQVF	Р
UniRef90_ UniRef90_ UniRef90_ UniRef90	E4Y144 UPI0002746D37	DIFCSELNG AEN	E C S N A I C E C K C Q E L L C K C	D K ML I E GLR DLS F A N H F A D Q E L A N C L A Q 1	T E Y N L K Y L F Y P	Q
UniRef90_ UniRef90_ UniRef90	E4XFA7 E4XSK0	F V Q C T D P S D S I T C T N E P N K I K C G K R T G	S C Q R A I C E C T C E Q A I C E C T G Q K D I	D Q E II A N C II A Q T D Q E II A N C II A Q T D II N Y A T T Q F A II D K D S V L G F A N		
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UniRef90_ UniRef90_ UniRef90	H2YSX8 E4XR89	NIMC YNGS	AWKOFICEC	D A	A K Y N D A Y L D I D Q P F H K K N R F H N	) E I R
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UniRef90_	_E4XLG3	T
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lupas\_21 lupas\_14 lupas\_28 jnet conf sol25

sol5

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UniRef90_F7BNC3 UniRef90_W4Y6A7	MD <mark>C</mark> TDR <mark>CC</mark> QVHDR <mark>C</mark> YSQLKKQG <mark>IC</mark> KG <u>Y</u> FTYYKS <u>N</u> MNN <mark>C</mark> DTPNA
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UniRef90_E4YUC5 UniRef90_E4Z2F3	GETILOSTESNOKKNILOECDKFILAEAL DVOCTNSUGSCRRSVOECDUOLARALISKYESEWD
UniRef90_E4YSX7	GKTCTDSAGTCARAL CECDLSFAEALS
UniRef90_U1MNB7	EPICRDGMNVCKSALCQCDKAVVDCWAQFP
UniRef90_E4XSF8 UniRef90_E4WSP9	EI IT CKDPQGTCERSRCECDKDLALKLQKYESEWSI QNH
UniRef90_E4XS67	SAT <mark>C</mark> RAKEGS <mark>C</mark> KQNL <mark>C</mark> K <mark>C</mark> DTQFAERVSAVSYGAEKKDYDR
UniRef90_E4WU53 UniRef90_H3CKE8	NFKCGDEAGTCARALICECDHRFAK
UniRef90_H3CKE8	LASCDEAE RCQQSFCRCDQAALECLSHASYDSALRGLAA
UniRef90_UPI0003D0B498	TV CVQVHQSVHFFLC LASCDEAE RCQQSFCRCDQAAIECLSHASYDSALRGLAA
UniRef90_Q4SWU1 UniRef90_E4WZT7	TLE CDGNVKQDASNICECDKRFAENISK
UniRef90_E4XGF6	TTSCDSNANGCGKWSCQCDARFASQF
UniRef90_E4XKD6 UniRef90_E4Y7M4	S F S S L N K V G S C E R D L F E C D H Q F V Q D L I K D E F D E S Y H Y F W
UniRef90_UPI00044361D9	T T S C D S N A N G C G K W S C Q C D A R F A S Q F S F S S L N K V G S C E R D L F E C D H Q F V Q D L I K D E F D E S Y H Y F W E I S C E L A G G S C E R N A C E C D V K L A V S L F Q S S I E S S E N G F D T K V K C V K T R D R C E K M T C E C D N K M A K C F R K Y M Y N P Q L Q S F P E T A I C S D E N T G C K A A L C E C D K K V V E C W G V I C T E M D G S C E K N I C E C D A M F Y R D L L H A A Y  A T C S G S T T A C B C C D C D K F M A D C V A K H T Y T A S Y
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UniRef90_E4WT60 UniRef90_E4X4A3	S
UniRef90_E4Y045	SID <mark>C</mark> PPNKGS <mark>C</mark> EPDT <mark>C</mark> E <mark>C</mark> DKEEAETWAIVEPEWTESEH
UniRef90_UPI0002C375CE	<u>LVTCGR</u> GS <u>LCQMQLCACDRHFVYCLKRNSYNPLYQYFPN</u>
UniRef90_E4Y7U8 UniRef90_E4XXJ5	LVTCGR GSLCQMQLCACDRHFVYCLKRNSYNPLYQYFPN EFVSLDTESTCERELYECDVQFAK QLEI LSPSGSCEREI GECDKKFVY CLDRKDTCEYTI CQCDLQFAKVFGKVNLRLKTRKNTQ QPQCTDEAGTCGRKLCDCDKEFAK
UniRef90_Q8WPL7	CLDRKDTCEYTICQCDLQFAKVFGKVNLRLKTRKNTQ
UniRef90_E4XTT5 UniRef90_F7BNC3	QPQCTDEAGTCGRKLCDCDKEFAK
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UniRef90_E4YME4	DTTPLNKPGT <mark>C</mark> KRALYE <mark>C</mark> DAKYARTLAESVFNSDYHGFWS D <u>ELCC</u> EKEKALEM
UniRef90_UPI0004435B11 UniRef90_UPI00042C19D6	SIVC
UniRef90_E4XNW6	P P T C T N D A G T C G R S L C E C D K M F A
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UniRef90_E4XTY2	PITCHDEENSCGRNLCECSVAFAK NFKCGDEAGTCARAICECDLRFAKNHAKESYNEEHSFYSP ELVSVNPVGTCRRNVFECDKRLALKLAQALYDVKYDFFT
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UniRef90_E4XT32	TINCDSNAQENGDSVCSCDAKFA KFVCQSTGNDCVDNTCSCDVDFV
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UniRef90_E4X2C8 UniRef90_E4XDF2	KIDCSANAKQDŠQNL <mark>C</mark> ECDKRFAENLAQ YLL <mark>C</mark> SELKSW
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UniRef90_UPI00042C864C UniRef90_G1KJK1	T   V
UniRef90_E4YKY9	N KNIENQ <mark>C</mark> ARNA <mark>C</mark> T <mark>C</mark> DGELALRLAELAFNKKFSGFDK
UniRef90_UPI0002651C31 UniRef90 E4WUF4	
UniRef90_E4WUF4 UniRef90_H3EYA6	T L D C Q A G P N VD A C K C D V M F A E K L A T A V C T D P A N P C K S A L C K C D V D V V M C W K Q F P Y P E K
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UniRef90_E UniRef90_E UniRef90_E	E4Y9X4 E4WW22 E4X477 E4YJA7 E4XY97	F G	R	С
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UniRef90_F UniRef90_L UniRef90_E UniRef90_E	E4WTR4 F7B5Z4 JPI0000E48165 E3MDH1 B4GPH8	P		С
UniRef90_E	4Y7U7 4WT60			
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UniRef90_E	4Y7U8 4XXJ5		<u></u>	J
UniRef90_0	Q8WPL7 E4XTT5	F	R	С
UniRef90_V UniRef90_E	7BNC3 V4Y6A7 4YME4	F K		С
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UniRef90_E	4Y6W2 4XT32		Ν	С
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UniRef90_0	JP100042C864C 31KJK1 E4YKY9	K	O	С
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