QUERY UniRef90_E1BBG5 UniRef90_UPl00044428ED UniRef90_UPl0003C17E2D UniRef90_G1LP52 UniRef90_V9KGQ6 UniRef90_U3KE50	PAFCVEPKFVGVC KTESCLLPMEVGTC	20
UniRef90_W5L794 UniRef90_H2M373 UniRef90_UPl0003C46FE1 UniRef90_UPl000393EEEA UniRef90_UPl000441A999 UniRef90_W5KEQ4 UniRef90_G1NDD2	CSQPLDPGPC CSQPLDPGPC DICKLPKEEGTC DPCLLPMDEGSC DICQLKKEDGPC	RAYLLKWFYDIQQNECARFWYGGCKG RLYRVRWYFDPQANSCAQFWYGGCHG RNFVLKWYHNAQTKTCGRFWYRGCGG GKYTMRWYFNRQAQACRPFLYSGCEG GRDFVLKWYFDPNTASCARFWYGGCDG
UniRef90_UPI0003B39ED5 UniRef90_UPI0003D75CFB UniRef90_H3DKF5 UniRef90_UPI0003512304 UniRef90_W5K5D8 UniRef90_HZTST8 UniRef90_UPI0003BCC341 UniRef90_W6UEG6	KDPRCLEPMKPGDC AVCWAPPRRGPC VCTLEPETGPC DSCLLPQDRGSC	RFYIIKWYYDQQANACAQFWYGGCDGAKFVLKWHFDAASSSCSRFWYGGCDGRAMISRWYFDVTEGKCVPFFYGGCGGGAKFVLNWFYDSATGSCTRFWYGGCGGGRAYLSRWYFVAETGCAPFSFGGCGGGRASLSRWYFVAETGCAPFSFGGCGGGRASLSRWHFDVDQKKCVRFIYGGCAGGAAAIQRYTYNRSTGRCEAFYYGGCGG
UniRef90_UPI00038366AD UniRef90_H2TX28 UniRef90_H2UUD2 UniRef90_UPI0003C27224 UniRef90_G5AVL8 UniRef90_UPI0003502EB8 UniRef90_I3K2G1 UniRef90_UPI00042CFBDE	C G L P L D P G P C C G L P F D L G P C C E P L Q P G D C C E P L Q P G D C C L D V N H G T C C C C C C C C C C C C C C C C C C	REYVVKWYFDPKANSCAQFWFGGCKG RNYEI HWYYDRQANACAKFWYGGCEG SEYVLLWYFHPRSGECRPFVYGGCDG RDYQVKWYYDKDANSCARFWYGGCNG TAYTLRWYYRAVSEACRPFVYGGCGG GRGYQRMWYYIKSIDAGSQFWYGGCGG CRGYQRMWYYIKSIDAGSQFWYGGCGG CRGYQRWYYFDREEGRCVQFIYGGCGG CRAMLPRWYFDREEGRCVQFIYGGCGG CKDQMTRYFYNAKTGYCEPFVYGGCEG TGQFVRWHWDTARNTCQVFTYSGCGG
UniRef90_A0A044ULB2 UniRef90_Q9N0X2 UniRef90_W2TU03 UniRef90_UPI000351443D UniRef90_UPI00039417C7 UniRef90_UPI0002C63E59 UniRef90_A0A016U8Q0	RPAFCLEPKVVGHC ICQIKPSEGRC KPDFCFHEKDPGTC KNPRCLEPMKPGDC PCSMDPMEGEC	GKASMPRYFYNAKTGHCGPFTYSGLGR RDNEPRYFYSAKDRRCKLYFYRGCGG RRDNEPRYFYSAKDRRCKLYFYRGCGG CRGYFSRYFYNKETKLCELFKYGGCLG WNYVVKWYYDKAGNSCGQFWYGGCDG QDYLLKWYYNKEERACQQFWYGSCGG
UniRef90_A0A016U8Q0 UniRef90_UPl0003945901 UniRef90_UPl000457393A UniRef90_UPl000273AE4B UniRef90_UPl0003F19F84 UniRef90_UPl0003509AED UniRef90_F6U034 UniRef90_UPl000393CD64	ERCTQTLDPGPG DPCSQPMDEGSG CAYKADEGPG KPEFCFLDEDSGLG RNARCLEDMTPGTG DICFLSKDAGD	NPSPEDPRRFTYSGCGG RDYVVKWYYDPTANSCAQFWFGGCLG SLYVLLWYYYPESSECRPFVYSGCGG KAMLKKFFYNIYTQRCEEFILYGGCEG RGYMTRYFYSNDTKQCERFKYGGCLG RGYMTRYFYSNDTKQCERFKYGGCGG RGYMTRYFFNPKSGLCETFVYGGCGGG RGYVVKWYYDKIADSCARFWYGGCEG
UniRef90_H2SB93 UniRef90_UPl000258DE9C UniRef90_G1N5G9 UniRef90_UPl000333B0C3 UniRef90_UPl00038364E0 UniRef90_UPl000393E2B9 UniRef90_L8Y6M1 UniRef90_Q6PES2	KPDLCFLEEDVGL ARCQLPADLGD KDPRCLEPLKPGN	CRAYLTRWYYNQRAAECRPFVYSGCQGCRAYLTRYFYNNQSRQCEPFLYGGCLG CREYNLRWYYVPQACACACFWYGGCEG CKKYATAWFFDTNVGACSRFWYGGCGG CTEYVLRWYYDQHVNSCGRFWFSGCNG
UniRef90_B3DKP8 UniRef90_K1P2Z2 UniRef90_UPl0001E450D4 UniRef90_A8NJ39 UniRef90_B4N5T5 UniRef90_E0VFJ4	V C L Q P K K V G P C D T C V L P P D A G T C I C L L K P S E G R C	VDFKLLWHYDLESKSCKRFWYGGCGGGRAHFHHWYYDPLSKKCHPFTYGGCDGCRAHFHHWYYDPLSKKCHPFTYGGCDGCRGKHHHWYYDPLSKKCHPFTYGGCKHHHOYVLRWFHNSQTAKCEQFSYGGCGGCREDEPRYFYSNRDKRCKLYFYRGCGGCREDEPRYFYSNRDKRCKLYFYRGCGGCRGNYQRYSYNPQTQSCQSFSYGGCRGCQSFVHKWFFNEETKNCETFVYGGCEGCKGHFPRWHFDLSSGTCLHFIYGGCKG
UniRef90_UPI000388A3AB UniRef90_W5K3P7 UniRef90_E5SI51 UniRef90_UPI0002B4215D UniRef90_F7BTW4 UniRef90_UPI0003C4A771 UniRef90_W5Q4W3 UniRef90_UPI0001D36EE3	R S P Y C D E P K N P G P C C D Y P P A Y G P C P V R C L L P S A H G S C D V C Q L P P E V G P C R P Y W C L T P A D R G L P S W C L D P A D R G L	CSRYTILHWYFNSQVGACRPFVYSGCGGGKGKGSHLRFYYDKATDDCRLFYYGGCQGCKGSHLRFYYDKATDDCRLFYYGGCEGCKASLVRWFYNGRKKECNTFSWGGCEGCADWTPRWYFIPTVGKCNRFWYGGCHGCKAYMPMYFYNPVTKSCERFLYGGCGGCRANFTRFYYDSVIGKCHTFEYSGCGG
UniRef90_F1KZ42 UniRef90_UPl000443D97C UniRef90_UPl000454210C UniRef90_P19761 UniRef90_UPl0004400534 UniRef90_A8X0B5 UniRef90_A8X0B5	VCTLSFEAGRO DHCSLSPDGGMO CALKADGGPO FCAMKVDDGPO	RESQQKWYFDNTVGYCRMFVYSGCNG RAYFPMFYYDSDSDSCKSFTYGGCGG RAMLRRYFFNISSRKCEEFEYGGCGG RAYIKRFFFNILTHQCEEFIYGGCEG RALFIRYFYNAKSGLCETFVYGGCRR GKGYNVKWYFNMKNLRCEQFVFEGLGG GKGYNVKWYFNMKNLRCEQFVFEGLGG
UniRef90_Q6T6S5 UniRef90_UPl00044423F5 UniRef90_ESS371 UniRef90_UPl000383221B UniRef90_UPl0003596D3D UniRef90_E7D1W2 UniRef90_E3MF20 UniRef90_E3MF20	PRKCSLPQAAGG	KASFPRWYYDHTRSRCFKFTYGGCKG YFDFQLSKCQTFTYSGCKG YFDFQLSKCQTFTYSGCGG SSWTTRWYFVAVVGKCNRFWYGGCHG CRASKPMFFYDHQAGECKEFTYGGCQG CRASKPMFFYDHEKGECAKFLYGGCQG CTESETQFFYSPRDKRCKLFFFRGCGG CTESETQFFYSPRDKRCKLFFFRGCGG CAKHFMRWFFNPRTSNCENFAYSGCGG
UniRef90_U6HEL4 UniRef90_A8NJ38 UniRef90_A8NJ38 UniRef90_B4KJZ3 UniRef90_V8P216 UniRef90_UPl00034F576D UniRef90_UPl0002C65664 UniRef90_UPl00022361D0	PEQCHQPKVAGROK KPSFCLLENDPGVO FCAMRADDGPO	A K H F M R W F F N P R T S N C E N F A Y S G C G G C T G I F Q R F A F D S T I N D C R P F T Y T G C G G C T G I F Q R F A F D S T I N D C R P F T Y T G C G G C F A L F Y R F A Y N L D T H A C E E F I Y G G C G G C R G L I S R Y F Y N K D S Q Q C E K F Q Y G G C L G C K A L I M K R F Y F N I L T H E C E E F I Y G G C H G C R A L I K R F F F N V H T Q Q C E E F V Y G G C C C R A S L P R W W Y N I T D E S C Q Q F V Y G G C D G

	50
QUERY	K R N N F K S A E D C M R T C G G A
UniRef90_E1BBG5	NENNFPTLEE <mark>C</mark> MKT <mark>C</mark> NANRFSTQEE C EKLC
UniRef90_UPI0003C17E2D	N S N R F N T Q D E <mark>C</mark> E K T <mark>C</mark> V S V
UniRef90_G1LP52	N E N R F N S Q K E C E T V C A P A
UniRef90_V9KGQ6 UniRef90_U3KE50	N R N N F D S E E Y <mark>C</mark> M A V <mark>C</mark> K N D N R F N T Q K E C E K L C
UniRef90_03RE30	N G N R F D S Q E E C E D R C
UniRef90_H2M373	N Q N N F E T E E <u>L </u>
UniRef90_UPI0003C46FE1 UniRef90_UPI000393EEEA	N E N R F D S Q E E <mark>C</mark> E K <mark>V C S</mark> N D N R F L Y L E E C E E <u>T C</u> L G
UniRef90_UPI000441A999	NENRFNTQKD <mark>C</mark> EK <u>VC</u> LSA
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UniRef90_UPI0003D75CFB	N R N N F D T E E Y <mark>C</mark> M A IV I <mark>C</mark> G S IV I
UniRef90_H3DKF5 UniRef90 UPI0003512304	NANRFETHEQ <mark>C</mark> LKT <mark>C</mark> G NNNRFETDEE <mark>C</mark> RK <u>A</u> C
UniRef90_W5K5D8	N R N N F E S E E Y <mark>C</mark> M A V <mark>C</mark> S S S
UniRef90_H2TST8	NRNNFDSEEY <mark>C</mark> MAV <mark>C</mark> K
UniRef90_UPI0003BCC341 UniRef90_W6UEG6	NKNRFLTQEE <mark>C</mark> QSL <mark>C</mark> G NTNNFKT <u>LE</u> ECQQRCESS
UniRef90_UPI00038366AD	N K N Q F D S E L T C R K T C
UniRef90_H2TX28	N K N R F N T E E E <mark>C</mark> K R T <mark>C</mark>
UniRef90_H2UUD2 UniRef90 UPI0003C27224	N G N R F S S R E E <mark>C</mark> Q S W <mark>C</mark> S R N R F E T E D Q C R E T C [N V
UniRef90_G5AVL8	N A N H F G T R E A <mark>C</mark> E H R <mark>C</mark>
UniRef90_UPI0003502EB8 UniRef90_I3K2G1	N G N R F S S E T E <mark>C</mark> L Q T <mark>C</mark> S S N R N N F E S <u>E A</u> Y C L
UniRef90_UPI00042CFBDE	N K N N F Q T L L D <mark>C</mark> M V T <mark>C</mark>
UniRef90_A0A044ULB2	N G N N F R S R E D <mark>C</mark> F A A <mark>C</mark> H N K N N F L T L E D C I K T C G
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UniRef90_UPI000351443D	N Q N N F K S L E E C Q T T C Q G
UniRef90_UPI00039417C7	T N N R F E T E K E C R E T C
UniRef90_UPI0002C63E59 UniRef90_A0A016U8Q0	N A N Q F D T K E E <mark>C</mark> E A R <mark>C</mark> N G N N Y E T E D A C S Q R C A
UniRef90_A0A016U8Q0	N G N N Y E T E D A <mark>C</mark> S Q R <mark>C A</mark>
UniRef90_UPI0003945901 UniRef90_UPI000457393A	N E N K F D T E K S <mark>C</mark> K E A <mark>C V</mark> K A N N N H F A S <u>K</u> Q E C M D R C
UniRef90_UPI000273AE4B	N E N R F D S L E D <mark>C</mark> Q K Q <mark>C</mark>
UniRef90_UPI0003F19F84	N <u>Q</u> N N F E S <u>L </u> E E <mark>C <u>K</u> N T <mark>C</mark> E D A</mark>
UniRef90_UPI0003509AED UniRef90_F6U034	NLNRFQDQEE <mark>CVQTC</mark> G NRNRFDTEKD <mark>C</mark> QTI <mark>C</mark>
UniRef90_UPI000393CD64	N K N R F <u>E</u> T Q A E <mark>C <u>E</u> R <u>V C</u></mark>
UniRef90_H2SB93 UniRef90 UPI000258DE9C	N N N N F
UniRef90_G1N5G9	N L N R F G S Q E E <mark>C E L H C R</mark>
UniRef90_UPI000333B0C3 UniRef90_UPI00038364E0	NLNNFÉSÉEE <mark>C</mark> KST <mark>C</mark> QDT NRNRFDTEEE C KKT C
UniRef90_UPI000393E2B9	N A N R F R T E Y E C F R T C G N
UniRef90_L8Y6M1	S G N R F H T L K E C Q E L C N E N R F H S Q E E C E K M C S
UniRef90_Q6PES2 UniRef90_B3DKP8	NRNNFETADK <mark>C</mark> MKNCSGV
UniRef90_K1P2Z2	N D N N F <u>K</u> T E E D <mark>C</mark> K D K <mark>C</mark>
UniRef90_UPI0001E450D4 UniRef90_A8NJ39	N S N N F L N R H A C E T K C S Q N R F D T K R H C E L T C A G V
UniRef90_A8NJ39	S Q N R F D T K R H C E L T C A G V
UniRef90_B4N5T5	NRNNFLTETE <mark>CLQTC</mark> SSV
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UniRef90_W5K3P7	N A N R Y T Q K E E C E K H C
UniRef90_E5SI51 UniRef90_UPI0002B4215D	N R N N F G T
UniRef90_F7BTW4	N R N N F L S E E E <mark>C M</mark> K S <mark>C H</mark>
UniRef90_UPI0003C4A771	N G N R F A T E E E <mark>C </mark> L R A <mark>C</mark>
UniRef90_W5Q4W3 UniRef90 UPI0001D36EE3	N E N N F T S R K A <mark>C</mark> F R A <mark>C</mark> N E N N F T S K K E C R K S C K
UniRef90_F1KZ42	N E N R F D S E N E <mark>C</mark> M R A <mark>C</mark> S S
UniRef90_UPI000443D97C UniRef90_UPI000454210C	N A N K F E S E E D <mark>C</mark> M S <mark>V C</mark> G G A N E N K F L M L E D C Q K K C
UniRef90_P19761	N E N R F E S L E E C K E K C A
UniRef90_UPI0004400534	K Q N N F L D K E D C I S T C G G
UniRef90_A8X0B5 UniRef90_A8X0B5	N T N Q F E T L S E C E R I C N T N Q F E T L S E C E R I C
UniRef90_Q6T6S5	NANNFETREE <mark>C</mark> RKK <mark>C</mark> EAS
UniRef90_UPI00044423F5 UniRef90_E5S371	N A N N F L S E E S C M K I C R N G N N Y R T E E E C E L S C K
UniRef90_UPI000383221B	N K N R F A S E E E C M R V C H N S
UniRef90_UPI0003596D3D	N S N N F Q S E E Q C N R F C T A S
UniRef90_E7D1W2 UniRef90_E3MF20	N G N R F K T T E E <mark>C</mark> E S T <mark>C</mark> G G N L N R F E K K S D C E A L C
UniRef90_E3MF20	N L N R F E K K S D C E A L C
UniRef90_U6HEL4	S A N T F D S A Q S C S [A C K N G N N F G S S L E C R N R C
UniRef90_A8NJ38 UniRef90_A8NJ38	N G N N F G S S L E C R N R C
UniRef90_B4KJZ3	N S N N F N S K A E <mark>C</mark> E E L <mark>C</mark> L G
UniRef90_V8P216 UniRef90_UPI00034F576D	N Q N N F K S L Q E C Q N T C H N E N R F D S M E E C K T T C
UniRef90_UPI0002C65664	N R N R F E S L E E C K E T C
UniRef90_UPI00022361D0 UniRef90_G7YG48	N D N N Y L T L S A N N F L T R T D <mark>C</mark> E Q F <mark>C</mark> G A
OHD 1 10_0E130_U1 1 U40	O A N N F L I K I D <mark>U</mark> E Q F <mark>U</mark> U A

UniRef90_UPI000386FB63 UniRef90_UPI00033162DE UniRef90_UPI000398F7A8 UniRef90_UPI0004574FAB UniRef90_I1FZ85	C R L P I C L Q P P V C A M K A E E C L K Q P	D	GEEQTRW KAIHMRY DEAQVKW	H F D A Q A N N Y F N [] Q S R E Y Y D H K K N N	30 CITFSYGG CLTFTSGR CEIFEYGG CFTFNYGQ CQQFSYGG	CLR CHG
UniRef90_H3A6B1 UniRef90_W5KPE7 UniRef90_UPI000350F372	CILIIPK	K V G P C	RGAFPRW	H Y N V T S Q L Y F D A K K N N H Y N A A S N K Y Y N A H S G R Y F D K R T R S	C + + + + (i (i (i	NS CLE RE
UniRef90_F6WZE9 UniRef90_H3A2A9 UniRef90_U1NZH7 UniRef90_A0A034WTW0	PDRCTHEK CLARA	E [L]G [L] <mark>C</mark> D E G Y G E T G P C	GGYNVKW RAHALLW	Y F N L R N L R A Y D P K V G F	CEQMVYQGE CKTFTYGGV	CNG EGG WDG
UniRef90_A0A034WTW0 UniRef90_U6IKZ2 UniRef90_U6IKZ2 UniRef90_T1FSK9	CLARA ICKLPK ICKLPK	ETGPC EVGPC EVGPC DMGTC	RAHALLW RASIRRW RASIRRW	A Y D P K IV IG E	C	WDG RG RG GGG
UniRef90_T1FSK9 UniRef90_K1PKN2 UniRef90_K1PKN2	D V C T L K E I C Q K K E I C Q K K F	D M G T <mark>C</mark> E R G P C F R G P C	DTYELFW SDFEVKW SDFFVKW	Y	CVNFYYGG CDRFWYGG CDRFWYGG	G G G C E G C E G
UniRef90_UPI00026583C9 UniRef90_UPI000389086A UniRef90_U6IAR2 UniRef90_UPI0003C45312	ESCAAPR DLCLQHH ICAFKA	LTGPC TYGTC DAGAC	R A A F P R W P R H L T R F K A I Y T R Y	T	C R Q F TY G G C	ONG KG GA YG
UniRef90_UPl0003EBC866 UniRef90_U6NZE8 UniRef90_C3Z3R3 UniRef90_R7VS81	RCRLPM EKCMQPV REVICVQPV KEDSCWLRR	KVGPC EPGPC DPGPC	RAAFPRF KHFVDRW FGAFRNW	F Y N V T S G N F F N G E D G T H Y D Q S A Q E F Y N S S S M A F Y D T A E G R	CHPFKYGG(E A C A G C Q G C L G
UniRef90_U1M9J6 UniRef90_U1M9J6 UniRef90_W5JZH6	C S IL IP Q	D Q G T C D Q G T C L Q G P C V T G S C	H G Y K L V W H G Y K L V W K A Y E P R W	F Y D T A E G R F Y D T A E G R A Y N H L L K Q	$\begin{array}{c} \mathbf{C} & \mathbf{S} & \mathbf{Q} & \mathbf{F} & \mathbf{W} & \mathbf{Y} & \mathbf{G} & \mathbf{G} \\ \mathbf{C} & \mathbf{Q} & \mathbf{S} & \mathbf{F} & \mathbf{V} & \mathbf{Y} & \mathbf{G} & \mathbf{G} \\ \end{array}$	E G E G G G
UniRef90_H3B780 UniRef90_L9KG78 UniRef90_O54819 UniRef90_UPI0002A48A2D	E P C M L P S F C A M K A	DQGNC DDGPC DTGTC		Y Y D S Q W Q F F F N M Y T H Q Y Y E P Y Q E D	CEEFLYGG CFPFNYSG	Q A C H G C E G C G G
UniRef90_K7FJJ5 UniRef90_UPI00044222A8 UniRef90_G1TZK2	KEDFCLLNK EFCAAPR KDPRCGFAI	EVGPC AVGPC QPGTC	M G M N I R F R A S F L R W R D Y V V R W	F Y N S S S M A Y F D [] E T R M Y Y D K Q V N S	CESFHYGG CKMFLYGG CARFWFSG	C L G C R G C N G
UniRef90_Q90W99 UniRef90_M3ZWM5 UniRef90_D6WTK0 UniRef90_C1P660	RPNFCKLPA HHCMVPK KKDHCSLPR CLQPV	KIGPC AQGSC VKGSC		Y Y N P R Q H Q H Y N A A S E Q Y Y D M P E K K Y Y D R V T D S		CLE DG DG
UniRef90_H2WPS5 UniRef90_H2WPS5 UniRef90_UPI0003832287 UniRef90_UPI0003340E83	V C S N D V V C S N D V Q Q G H C V E L P D P C S M P K	D	NGVFERY NGVFERY TESIPRW	Y Y D R V T D S A F D S E T A D A F D S E T A D Y Y N P F S Q K W Y D K E T D L F Y N R K T K Q	C R V F T Y G G C C R V F T Y G G C C D P F T Y G G C C S Q F I Y G G	G G G G C E G C L G
UniRef90_W6UPW0 UniRef90_UPI000298DD35 UniRef90_W5MXW7	E L C E A E P	DVGPC AEGPC	RATIPRY	YYNRYTQK	CEDFSYGG	G A G G G G
UniRef90_G3PZK5 UniRef90_V9KSN1 UniRef90_U6FVD6 UniRef90_H3D0T9	RCVEPP AVCELPQ ARCRLPM	MTGSC DTGPC KVGSC	RAHFI RF KGFYRRW RAAFPRF	Y Y N P Y Q R K S F D V S T G T F Y D V T N Q S	CERFTYGGG CVQFIYGGG CREFIYGGG CRPFTYGGG CRPFTYGGG CRPFTYGGG CRQFTYGGG CRQFTYGGG	ONP CKG EA
UniRef90_A8NT21 UniRef90_A8NT21 UniRef90_F1KQ30 UniRef90_F1KQ30	D V C K H P I I D V C K H P I I N V C E H P I I N V C E H P I I	EVGEC EVGEC	SGVFPRF SGVFARF SGVFARF	A Y D L V A N E A Y D L V A N E A Y D S V A N E A Y D S V A N E	C R P F T Y G G G C R P F T Y G G G C R Q F T Y G G G	G G G G G G
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UniRef90_T2M5G7 UniRef90_UPl00021A7657 UniRef90_R7UKB1 UniRef90_R7UKB1	E F C K K P K E A C R T L P	E E G R C T R G P C	N G N L I R W	Y F D K E K G Y Y D N E T N S	CKSFKYSG CRDFIIYGG	D G C H G
UniRef90_R7UKB1 UniRef90_B5KF95 UniRef90_H9GVY4	R P E F C E L P E	DSGPC	K GIL IF HIV IF	Y Y D N E T N S Y Y D N E T N S Y Y N S D Q N Q F Y N S H S K K	CRDFIYGGC CLEFIYGGC CEVFYYGG	CHG YG

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UniRef90_R7TTK7 UniRef90_Q16UT3 UniRef90_G1MHA9	PKIIC	RILIFIVISFGOC	RAYLPRFYFDREEGR <mark>C</mark> MEFVYGGCRG HNYTVKYFFDVEYGGCGRFWYGGCDG GVR <u>T</u> GEYFFNLSSMT <mark>C</mark> EEFVSGGCHN
UniRef90_E5S275 UniRef90_Q6NUX0-2 UniRef90_H9G3A2	A <mark>∨ C</mark>	L	NSELKRWYYDPEERQCKEMI YSGCGG RHWQARWFYNSLTERCEAFLYGGCSG YAAMPRFYFDLKSGQCEKFIYGGCGG
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UniRef90 G3PZJ3	50 NANKFYSKSE <mark>C</mark> REY <mark>C</mark> GAV
UniRef90_P10280	NANNEHTLEE <mark>CEKVC</mark> G
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UniRef90_UPI000388ED21 UniRef90_Q7T0Z5	N G N R F A S I D E <mark>C L R T C</mark> G S A N S N N F <u>I K V</u> E D C <u>D</u> S V C K
UniRef90_UPI0003F0C74E UniRef90_E5S5Q5	NKNNFEDKDQ <mark>CLESC</mark> HG NENRFPTR
UniRef90_UPI000388F826	N P N N F E G E A E <mark>C</mark> L Q A <mark>C</mark> G G
UniRef90_F6RCL0 UniRef90_E2BHR1	N K N N Y L R L E D C R Q T C R N N L N R F R T F A A C Q Q R C
UniRef90_UPI000298AA60	N H N N F L Q E S D <mark>C </mark> I S D <mark>C</mark>
UniRef90_UPI0003C489F4 UniRef90_Q6T269	NLNNFETEAD <mark>C</mark> QRS <mark>C</mark> G NANNF <u>K</u> TRDEC <u>R</u> KTC
UniRef90_UPI0003C4D85F	N N N N Y L T K E D <mark>C</mark> L E K <mark>C</mark> A D V
UniRef90_T1JGC3 UniRef90_UPI0003EDCE71	N A N R F E T E L E C Q H V C S A V N G N K F Y S E K E C K E Y C G
UniRef90_F6XWJ2	N H N N F V S Q K D C T K T C S N A N N F Q T L K E C H H R C H S
UniRef90_R9XTN2 UniRef90_I3MV18	N D N N F T N M K D C T R V C A
UniRef90_E9GHG8 UniRef90_UPI0003C43EE0	N A N N F P S Q E E C H S A C A N R N I F K S E A A C Q H F C G
UniRef90_UPI0003C43EE0	N R N I F K S E A A <mark>C</mark> Q H F <mark>C</mark> G
UniRef90_A0A034WFG5	N D N K F G F L K T <mark>C</mark> E D A <mark>C</mark>

UniRef90_UPI0003EAB6FC UniRef90_H9KGG6 UniRef90_UPI000265331F	DT C KYEQC	NLPPDSGEC SVSADPGI	20 30 R A S P R Y F Y N K T T H T C H F Y G G C H G R G Y F Q K Y Y Y D S V N R V C R E F S Y S G C E G F A F F P M WA Y D V T A G K C K E F I Y G G C D G
UniRef90_G0WRZ9 UniRef90_G0WRZ9 UniRef90_P49223 UniRef90_UPI0004624CA4	P N V C	K R M A D K G D C K R M A D K G D C A F P M E K G P C R L P I K P G P C	SEVHARWFYDVKIGNCLPFVYIGCGG SEVHARWFYDVKTGNCLPFVYTGCGG QTYMTRWFFNFETGECELFAYGGCGG DSEF WAFDANOGKCVTF RGCGG
UniRef90_W5MIY3 UniRef90_G6D852 UniRef90_G6D852 UniRef90_UPl000350A133		LEEADRREC STPESLAVC STPESLAVC RFEVNKNKC	G D R R V G W R Y D A K R G S C L A L A H G G C E G G K N I T V Y Y F D T R T Q A C L A G D F G G C R Y G K N I T V Y Y F D T R T Q A C L A G D F G G C R Y G K S S K E Y F F N L K T M R C E K F L S G G C L Y S E S L V R W F Y D R S D G V C K Q F Q Y S G C Q G D A A L P S Y W H D P G T G E C V P F L Y G G C E G
UniRef90_T1HGL4 UniRef90_A9G127 UniRef90_UPI0003D701C9 UniRef90_E2A4D2	PDRC EYC KSPIC	Y	DDSITAYYYDAQHQMCQAFIIYSGCGG
UniRef90_E2A4D2 UniRef90_U3JQ30 UniRef90_E1GJA1 UniRef90_UPI0002C46919	DIC PSFC	L T P V D S G D C L L P M V Q G P C L L D R E S G P C Y S P K D E G L C A A K A V T G P C	QNWEPRWAYNHILLKQCHSFVYGGCEG DDPVTQWYYDATISQCMQFTYGGCRG SANVTRYYFNPRHKICETFTYTGCGG
UniRef90_UPI000333AB0C UniRef90_G1Q6l2 UniRef90_A6MFL1 UniRef90_O93424 UniRef90_A0A023FT25	P C	A A K A V T G P C F L D A D M G P C E L P P D R G T C Q L D D E P G P C N Q R P V A G M C	RAAFTRWYFDAEKNTCDVFTYGGCRG RLYLRNYFYNHRSGRCEQFVYGGCQG MGFLQAFYYNPSQNKCLPFMFGGCKA RGLVPRYFFDFKSQECKRFFYGGCFG KAALPMWYYEPKAGVCNTFTWGGCGG EGNFTRWYFNAESQVCEQFLYGGCKG
UniRef90_UPI000252BD85 UniRef90_K1S2I8 UniRef90_T1JEZ8 UniRef90_UPI00021A43E6	DPC PAVC	SLPSASGPC SLPRRAGSC KISPVVGNC	RAFFPRWSYSMTSGQCERFVYGGCAG RALLERWFYNSDTSRCESFVFGGCGG RGSII PSYFYNSTSSKCFSFTYGGCGG
UniRef90_H2UGS2 UniRef90_W4XF67 UniRef90_H2UGS3 UniRef90_B0W468	Q E D L C		K A WE A R WA WN SVMK E CQAF A Y GGCHG K G S F E N Y F Y N D K T S R C E L F K Y G G C R G S G R H V D W Y Y D S S L G S C M A F S N G G C D D
UniRef90_A0A034V2N2 UniRef90_H2VIG8 UniRef90_D6WQ41 UniRef90_T1PN69	E K C	D M P A D Q G D C R L P V E T G P C M L P E V K G L C T G P A D P G S C	DAKLARWHFARDGNKCVPFYYTGCAG DTYALKWTYDNTEGRCKEFFYGGCGG RLAMKKYFYDAVTQTCQMFHYGGCEG KARLLRWRYDPVAKTCHKFVYGGCKG KQYTFKWRYESTTNECTSFIWGGCEG KAKEKRFYYDHTLGRCKPFLYSGCGG
UniRef90_UPI0003C1A4AA UniRef90_UPI00034FC723 UniRef90_UPI00034FC723 UniRef90_A0A044UGA9 UniRef90_R4GCU4	PSFC NVC PELC PRWC	T A QL D P G P C T A QL D P G P C QL P V V T G P C	R A SII P KII Y WD R A T G T C K P Y A Y G G C G G R A SI P KI Y WD R A T G T C K P Y A Y G G C G G S K V K V L WY Y N F L R G R C E R F S F S G C
UniRef90_UPI000333C1DB UniRef90_E5S5Q3 UniRef90_E5S5Q3 UniRef90_UPI0002062A10	P S F C	Y S P K D G G L C Y L P K L P G T C Y L P K L P G T C Y L P K S V G P C	FANETRFYFNMRYKT <mark>C</mark> EAFTYTG <mark>C</mark> GG
UniRef90_W5L4M5 UniRef90_A0A034UZH0 UniRef90_A0A034UZH0 UniRef90_J9JSF2	E V C D I C D L C	L PAVEGPC KLPAQIGRC KLPAQIGRC QLPKVEGPC	R G
UniRef90_F7B298 UniRef90_P36992 UniRef90_H2UQQ5 UniRef90_UP10002062A0F	E A C	KAAPETGPC RFPSFVGPC	RALIRKY FENMTS MOCELLETY GGCLG
UniRef90_U6HFP7 UniRef90_F1LVU2 UniRef90_F6TBX8 UniRef90_UPI0003C39CAE UniRef90_UPI0003C39CAE	C		S D F T V K W F F D T E Y G G C S R F W Y G G C N G Y D R M E K Y G Y D S R T G R C E K F F Y T G C L G L A Y L P R W Y N E D T G L C T Q F I Y G G C Q G Q G W E P R W A Y S P L L Q Q C H P F V Y G G C D G N E T M I R W H F S E A E G R C L E F E F S G C R G N E T M I R W H F S E A E G R C L E F E F S G C R G
UniRef90_A9FAJ2 UniRef90_A7X3V4 UniRef90_A0A016U5E5 UniRef90_S4RV56	PVRC RPKYC	DLPADPGRC DLPADSGPC SHMLFRGPC	DAAFPKYRYDPAAGACREFTYGGCEG RARKRHFYYNSRSNQCEEFTYGGCRG RAFKPRYGFDASTGFCVVPFIIYGGCGG
UniRef90_R7TWC0 UniRef90_H2UQQ6 UniRef90_U6NXI2 UniRef90_I7GSE5	H Q D A C K P S L C	SLPPETGNC LDPLDKGKC TLPKVQGPC YLPKDSGVC	K Q WALR WAYNPLIKR C Q S FI Y G G C E G R A S I P M F H Y N S S L R E C V E F I Y G G C P G S A S I P R Y Y Y N A A T K R C E E F A Y S G C G G S G K H E Y Y Y F N T V S M S C E K F T Y G G C I G Y A F F P S F Y Y D S A T R T C R R F I Y G G C M G T D WA A R W Y F V P S V G R C T R F W Y G G C H G
UniRef90_W5NQI1 UniRef90_J7HZ94 UniRef90_T1PCL6 UniRef90_T1PCL6 UniRef90_UPI000329FAFE	PVQC YC NIC		RASIL VRYFHNAII GAGEEFIYGGCAG DDYSVMWYFDSQESRCNVFYYGGCGG DDYSVMWYFDSOFSRCNVFYYGGCGG
UniRef90_UPI000329FAFE UniRef90_UPI000329FAFE UniRef90_UPI0002C58CDB UniRef90_G1P5X5 UniRef90 H9J6I7	QQDIC	SIL PKNPGPC	YNYEIKWYYDKTDGRCKQFYYGGCSG YNYEIKWYYDKTDGRCKQFYYGGCSG RARIPSNYYDRYTQSCRMFFYGGCQG MAFFRRWWYDKKNDTCSTFIYGGCQG NDSIVSWFYDASRDACSQFAYGGCGG
UniRef90_F6V7B1 UniRef90_Q29100 UniRef90_M3XL62 UniRef90_UPI000359BB47	P G F C E E C	R E P P Y T G P C A A P P V V G P C I I P K K T G P C	RARI PSYYYDRYIQSCRQFIIYGGCEG SAHFVRYFYNATTGLCQSFVYGGCRG RAAFLRWNYNMMTKTCIRFTFGGCRG FAYFPSFYYNSFSGFCFSFIIYGGCOG
UniRef90_Q28D86 UniRef90_UPI0003AFDDDB UniRef90_P82968 UniRef90_UPI0003C383FA	D V C	T L P K V V G P C	RAAFERWWYNPNIQICENFIYGGCKG NAFFVRWWYDEQKETCSSFIYGGCQG RGAFRRYYFDSWSGKCFFFYYGGCGG
UniRef90_UPI0003C383FA UniRef90_A0A023FTN6 UniRef90_A7UVI4 UniRef90_E3LK90 UniRef90_UPI0004439E75	R C R C D F C N P C	FRQKAVGNC FRQKAVGNC EEVPDYGDG LERSAGP HIPFARGA	LENEVRWYYNSEDGVCDRFVYTGCGG LENEVRWYYNSEDGVCDRFVYTGCGG QNKVPSWYFDFWSFRCKGFLYSGCGG DGDEI LFYYNAERQSCERFRYSGAGG TDSI SMWYYDSKDEDCKPFTYGGCRG RGLVRRFFFDSQTQQCRHFYYGGCFG
UniRef90_T1JGC4 UniRef90_T1JGC4 UniRef90_Q8IT91 UniRef90_L8IRU0	V C V C E T C	GLVEDRGSC GLVEDRGSC SQPIEVGPC	S N Y T V K WR F D M E Y G G C A R F W Y G G C E G S N Y T V K WR F D M E Y G G C A R F W Y G G C E G K A M L K R Y A Y D N K K N K C V R F I Y G G C K G K N K T A R Y F Y N A K T G C C E P F V D G G C E D

UniRef90_UPI0003EAB6FC	N Q N N Y L S E E E C L A S C
UniRef90_H9KGG6	NANRFSSMAECESVC NDNRFETELACQEAC NRNRFKSHEICMKVCSSGV NRNRFKSHEICMKVCSSGV NRNRFKSHEICMKVCSSGV NRNRFKSHEICMKVCSAGV ANNFLRKEKCEKFCK NANKFYLEKECKEYCG ARNRFETYEECRASC ANSYRTEEECQRRCGA
UniRef90_G0WRZ9	NRNRFKSHEI CMKVCSGV
UniRef90_G0WRZ9 UniRef90_P49223	N R N R F K S H E L C M K V C S G V N S N N F L R K E K C E K F C K
UniRef90_UPI0004624CA4	NANKFYLEKE <mark>C</mark> KEY <mark>C</mark> G
UniRef90_W5MIY3 UniRef90_G6D852	ARNRFETYEECRASC ANSYRTEEE <mark>C</mark> QRR <mark>C</mark> GA
UniRef90_G6D852	ANSYRTEEE CQRRCGA
UniRef90_UPI000350A133 UniRef90_T1HGL4	N A N R F P D E A S C M N F C A S N G N Q F R T E A E C V Y S C S D V
UniRef90_A9G127	$N \wedge N \cap \Gamma = \Gamma \cap \Gamma \wedge \Lambda \wedge \Gamma = \Gamma \cap \Gamma \wedge \Gamma \wedge \Gamma$
UniRef90_E2A4D2	N K N S Y L S Q E A C M Q H C S G N A N K F Q T E E Q C E R L C G
UniRef90_E2A4D2	NANKFQTEEQ <mark>C</mark> ERL <mark>C</mark> G
UniRef90_E1GJA1	N G N R F N S R K L C E Q R C
UniRef90_UPI0002C46919	N D N N F [V] S [I] Q D C N K N S Y R S F F A C M O R C
UniRef90_G1Q6I2	NENNFQTEAT CQHFCG
UniRef90_A6MFL1 UniRef90_O93424	N P N N F K T L L E E C K R I C A A N A N N F K T L K F C H F R C
UniRef90_A0A023FT25	NENKFSTERE CLQTC
UniRef90_UP1000252BD85 UniRef90_K1S2I8	N G N N F Q T R Q Q C E D T C S N A
UniRef90_T1JEZ8	NUNNFUTRDDCEKSC
UniRef90_H2UGS2	NANSFHTKKECEANC
UniRef90_W4XF67	N K N R F R T E A D C E L A C G
UniRef90_B0W468	N D N A F VS L D E C E E Q C
UniRef90_A0A034V2N2 UniRef90_H2VIG8	NK N K F Q T E E Q C C C C C C C C C C C C C C C C C
UniRef90_D6WQ41	NKNNFKSYDN <mark>CMGLCA</mark>
UniRef90_T1PN69 UniRef90_UPI0003C1A4AA	NANRENSEAE <mark>C</mark> LEHCLGA NNNNETSRRS <mark>C</mark> LOVICK
UniRef90_UPI00034FC723	GANRESSVDECEEVCG
UniRef90_UPI00034FC723 UniRef90_A0A044UGA9	GANRFSSVDECEEVCG NANHFYSRKECEETC NKNNFATLVDCLYEC
UniRef90_R4GCU4	NKNNFATL VD CLYEC
UniRef90_E5S5Q3	N G N N F A E Y D E C M A T C D N V
UniRef90_E5S5Q3	N G N N F A E Y D E C M A T C D N V
UniRef90_W5L4M5	NKNNFATLVDCLYEC NDNNFSYLKDCQRVCEKA NGNNFAEYDECMATCDNV NNNKFQTREECEHLC NANNFVTFQECHKMC NANNFFVTFQECHKMC NQNNFRSYEACYDYCA NQNNFRSYEACYDYCA NQNNFRSYEACYDYCA NTNRFNDRQTCETRC NENRFDTVEECMARC NQNNFFSYEACYDC NENRFDTVEECCS NNNRFGDRASCEEYCS NNNRFKTQEECKDEC NNNRFKTQEECCS NNNRFKTQEECCS NNNRFKTQEECCS NNNRFKTQEECCEECCS
UniRef90_A0A034UZH0 UniRef90_A0A034UZH0	N Q N N F R S Y E A C Y D Y C A N Q N N F R S Y F A C Y D Y C A
UniRef90_J9JSF2	NTNRFNDRQT CETRC
UniRef90_F7B298 UniRef90_P36992	N Q N N F V T V R E C L Q R C R
UniRef90_H2UQQ5	N S N R F G D R A S C E E Y C S
	NENREDTEE <mark>C</mark> E <u>REC</u> GAA
UniRef90_F1LVU2 UniRef90_F6TBX8	N P N N F Q S E G I C T V V C K N G N N F H S R E S C E D A C
UniRef90_UPI0003C39CAE	NRNNF VTERECVSMCGG NRNNF VTERECVSMCGG
UniRef90_UPI0003C39CAE UniRef90_A9FAJ2	N R N N F V T E R E C V S M C G G N E N R F D S L A A C E E A C R G
UniRef90_A7X3V4	N F N N F F T K D K C H Y T C
UniRef90_A0A016U5E5 UniRef90_S4RV56	N S N R F L L K S Q C E R T C N E N N F Q S Q E L C E D N C
UniRef90_R7TWC0 UniRef90_H2UQQ6	N D N R F S T K E D C I R T C S S S N N F V S R Q S C K D V C
UniRef90_U6NXI2	N T N R F S T L D E C Q S R C
UniRef90_I7GSE5 UniRef90_W5NQI1	N E N R F R S F E E <mark>C T S V C</mark> G N A N N F A S E E E <mark>C V</mark> S A <mark>C</mark> R G
UniRef90_J7HZ94	N A N N F E T K E D <mark>C</mark> E K E <mark>C</mark> H D S
UniRef90_T1PCL6 UniRef90_T1PCL6	N G N R F A T K E E <mark>C</mark> D R R <mark>C</mark> N G N R F A T K E E C D R R C
UniRef90_UPI000329FAFE	N D N R F D T E E A <mark>C</mark> N S R <mark>C</mark>
UniRef90_UPI000329FAFE UniRef90_UPI0002C58CDB	N A N N F E T L E D <mark>C</mark> N E A <mark>C</mark>
UniRef90_G1P5X5 UniRef90_H9J6I7	N N N N F Q T K D L C Q N M C S N D N R F A S R D E C E S R C R S
UniRef90_F6V7B1	N A N N F E T W A A <mark>C D</mark> E A <mark>C</mark>
UniRef90_Q29100 UniRef90_M3XL62	K Q N N F M D E K E <mark>C L H T C</mark> N K N N F M S E K D C Y A A C S
UniRef90_UPI000359BB47	N A N R F P T Q E Q C T E K C
UniRef90_Q28D86 UniRef90_UPI0003AFDDDB	N L N N H L G E E V C M N K C A G V N N N N F Q S E S V C Q A L C
UniRef90_P82968 UniRef90_UPI0003C383FA	N D N N F K T L D A C Q K R C N A N N Y A T E S E C E D E C F A V
UniRef90_UPI0003C383FA	NANNYATESECEDECFAV NANNYATESECEDECFAV NSNRFPTEEECQK <u>S</u> C
UniRef90_A0A023FTN6 UniRef90_A7UVI4	N S N R F P T E E E <mark>C</mark> Q K S <mark>C</mark> N A N R Y <u>R</u> S E E E C E R <u>V</u> C G
UniRef90_E3LK90	N Q N R F V S K D Q C Q Q S C K N A N N F R S M A D C Q A K C
UniRef90_UPI0004439E75 UniRef90_T1JGC4	N A N N F R S M A D <mark>C</mark> Q A K <mark>C</mark> N D N R F D S Q E E C E E V <mark>C</mark>
UniRef90_T1JGC4	N D N R F D S Q E E <mark>C</mark> E E V <mark>C</mark>
UniRef90_Q8IT91 UniRef90_L8IRU0	NKNNFESMEE <mark>C</mark> TRTCKKA NKNNFNTIDNCLKSC
OCOO_LOITCOO	TATALATE DIA OLE IVO

UniRef90_UPI000462610E UniRef90_P48307 UniRef90_W5ML07 UniRef90_F8J2G1	1 10 PPKCKLRRKV PKVCRLQVSV KEKDCTQPKEE RPDFCHLPHET	/ DD <mark>C</mark> EG GI GDK	SSTEKYF! KODILITFY	3 F D M G R K R C F N L S S M T C Y D T T A G K C Y N P L Y D T C	E K F F S G G <mark>C</mark> H R L P F Y Y K G S G G
UniRef90_A0A023GCE3 UniRef90_M3ZY38 UniRef90_H3EW50 UniRef90_G3P3I6	VCEKKPDF EFCAMKDES	G P C K A G P C K A	A S F P A WY	FDSETGY FNVNSGS VNSFTK	R R F V Y G G C K G E R F E Y G G C S G K Y F F F G G C E G T Q F W Y G S C H G
UniRef90_E3LPH9 UniRef90_L7LQ91 UniRef90_UPl0004445895 UniRef90_A0A016U035	SUSKPC CYKEPDK CYKEPDK PAMCLLPKET RCSQPIEW	G D G K T G G C Q G	WS NRYY ASLDRWY BNFKRWY	Y	RMFWSNG <mark>C</mark> TP SVFSYGGCSG
UniRef90_A0A016U035 UniRef90_A7T2J6 UniRef90_W5MG64	R CS Q P I E V R CS Q P I E V C T L P K K L N P C T P K A E V	GPCKA	MAKRFA AAMPRVF GVLTRYF	Y D N T K N K C F N S Q S G K C F N S S A Q K C F N D S S K	E F Y Y G G C K G E D F I Y G G C G G D R M I Y G G C F G
UniRef90_G3MIC1 UniRef90_UPI00032A030E UniRef90_W5P7Y0 UniRef90_UPI0004420DF8	NV C K Y P I N T	GPCIN	N F I II K F Y E W T Q R W F A M F II R F F	FDISYGA <mark>C</mark> YNWKTSE <mark>C</mark> YNASTRK	ESFNFGGCYG
UniRef90_C1K6Q2 UniRef90_B4N8N6 UniRef90_B4N8N6 UniRef90_UPI000457560F	DI CQLPSVC EVCEQTPEI DVCHEQVDS DVCHEQVDS NI CTFPAV	JGPCEA GGPCTC GGPCTC QGSCKM	A Y F P R Y F Q W Q T K Y Y I Q W Q T K Y Y I M W E A R W A	Y N S S S M S C F N S D K N A C F N S D K N A C Y N S L M K H C Y D N E K M L C	HAF V YGGCEG
UniRef90_B4K6Z6 UniRef90_B4K6Z6 UniRef90_H2YTU9 UniRef90_U6HN34	V C T Q P A E A	A G E <mark>C</mark> D N	J H I I A W/F	Y D N E K M L C Y D N E K M L C F D R A A M S C M N Q E T G Q C Y N R R T K Q C	T A F I Y S G C G G T A F I Y S G C G G Q K F Y Y G G C N G E E F I Y G G C G G E T F I Y G G C G G
UniRef90_K1RWU5 UniRef90_A0A016V1V2 UniRef90_UPl0003C4737F UniRef90_B4Q9N7	DI CKLPMK F	GPCQA	A F V R R Y F	Y N S V T K K C	E K F R Y G G C Q G
UniRef90_UPl0002654CFC UniRef90_V5GXT6 UniRef90_UPl000359F3AA UniRef90_A7S322	D C T L P L D F P C S L E K D E F D Y C R L A A D F Q P S F C S L P A V T	P G S <mark>C</mark> G E G P G K A P G P C E A	SLVRWG ALFRRWY AATTRYY AYLPSFY	Y D G E T S S C F D T E T A N C Y N D K E K S C Y D M K F F K C	LQFDFTGGLG TEFYYGGCDG QQFLYGGCNG KEFLYGGCEE
UniRef90_G0MY36 UniRef90_G0MY36 UniRef90_X1Y844 UniRef90_UPl000022141F	DLCDEPLHF DLCDEPLHF DTCFLPAET	E D C K N E D C K N G E C Q N	WEIKWF WEIKWF YTAHWY	F N S D R S A C F N S D R S A C F D T K D N R C Y D K D T R S C Y D K D T R S C	R Q F I I G G G G
UniRef90_UPI000022141F UniRef90_B4LRS2 UniRef90_F4X0U9	QDAKCLQPLET AICLLPINS	GPCRM GPCLA	OSFSRYY MSLERYY NILRYA	Y D K D T R S C Y N K E A N A C Y N S A S G Q C F D H K Q G Y	R M F W S N G
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UniRef90_A8Y7N5 UniRef90_V4B5J3 UniRef90_A0A016U1T1 UniRef90_B3N357	R C Y Q F II IN F	G P C K A	AYMPRYA	Y NLESNKOFNPATSLOY FNPATSLOR Y KPSLGRO Y DSNNKQO	IVIR FILIF G G C F G
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UniRef90_R7VFH6 UniRef90_P81547 UniRef90_H3BWP7 UniRef90_Q868Z9	CLLPKKV	G P C R A	AAVPRFY	Y N S D S G K C Y N S V T K R C	E G F T Y G G C H A
UniRef90_Q868Z9 UniRef90_B4MC50 UniRef90_B4MC50 UniRef90_A0A044UNK5	OKDECEEPIDE	IGH <mark>C</mark> OS	SISNRFY	F D I D K N K C Y N S D T N T C	VPFYYSGCGG VPFYYSGCGG EEFQYGGWYG EEFQYGGWYG RNF <u>H</u> YTG <mark>C</mark> GK
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UniRef90_E7D188 UniRef90_W5JCT2 UniRef90_G1N9B2 UniRef90_B8Q9T8	EVCELPLES YCQLPMDH PKICRMFADT	6	YQGRFY HIRRYA	F	K K F Y G G C R G K L F T Y T G C G G F F F V Y G G C Y G
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UniRef90_UPI0004625D29 UniRef90_V4BNW1 UniRef90_O76840 UniRef90_O76840	C Q L P P D F P E E C G L S M V T C Y A V P D F C Y A V P D F	R	A M F R R Y F F F K R Y Y F F K R Y Y F F K R Y Y F F F K R Y Y F F F F F F F F F F F F F F F F F	Y	CL
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UniRef90_H9J9Z5 UniRef90_C3Y116 UniRef90_H3EEA5 UniRef90_S4RW35) G <mark>P C</mark> R G	BNIRMYY DEOVRYY	FDPASLK <mark>C</mark> YRSEDEG	N
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UniRef90_I6UW93	NANRFLTKED <mark>Č</mark> ER <u>E</u> ČKSA
UniRef90_H9J6I8	N G N R F E T R E E <mark>C</mark> E G <mark>V C</mark> R

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UniRef90_M3WC70 UniRef90_UPI000161DBE8	N
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UniRef90_U6PDH3 UniRef90_A8QEH8	N Q N N F L T K T <mark>L C</mark> E R K <mark>C</mark> K N E N N F I S K K A <mark>C</mark> Q L T C
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UniRef90_W2SWB3 UniRef90_L7LQY3 UniRef90_V5GJ96 UniRef90_U6P4V7	TTRWYHDPISHSCQYFPYTGLGG CSKPPFVGVCHPLNEAWYYDKKDNSCKLLKRGTCAG CWNEVNNGRGREHLTRWYYDYTENRCYSFIFNGRGG OPKDCTAPRVRGDCSTAOOMFYYDSATKLCOPFMYNGCNG
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UniRef90_B7PNJ5 UniRef90_B7QDW7 UniRef90_A0A016RXV4 UniRef90_H0VNY5	R C S S M P D Q G D C D D H F G Q W Y Y D K K E Q K C A T L V Y G D C P R C L R P A V K Q T K G T H V R Y F Y N M T S N T C E R S R Y W L K D D L R W Y Y D Y V D G E C R P F II Y Q G C G G T R Y Y Y D A P S K L C R P F T F T G C G G C N Y P P L R G H C K F N F H R Y Y Y N A P S K L C R P F I F S G C G G I R V S Y N S Q A G V C E K F V H Q G C E G
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UniRef90_W2TFQ3 UniRef90_UPI000329F815 UniRef90_A0A016SRG0	K T Y C G L P P Q Q G S S L C S T R Y Y F N V T K K C S P F T F N G C D G C L G P Y H S G S C R A G T R WY Y N N H T R S C S F H Y Y G C G G D L L T R Y Y F D V T T D Q C Y P F G V Q N C G G
UniRef90_V5IDF8	CWEPPNKGD <mark>C</mark> TALQSLWSYNNRSGE <mark>C</mark> EPLDYTG <mark>C</mark> GG

UniRef90 C3YPP9	NKNNEMSI IYD <mark>C</mark> OSA <mark>C</mark>	
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UniRef90_W0DZC7 UniRef90_A0A023G0Y7	NGNNFPSFK	
UniRef90_G3MPG4	N E N N F K T <u>E A </u> E <mark>C </mark>	
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UniRef90_J9DZ60 UniRef90_V4B673	NENNFETFEQCNNFCESS NNNRFSTLEQCQQVC NRNNFKQKYLCEKM	
UniRef90_G1SC17 UniRef90_W2SL42	NRNNFKQKY <mark>II C</mark> EKM SRNNFKTII FR <mark>C</mark> OFII <mark>C</mark> FG	
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UniRef90_B7PNJ5 UniRef90_B7QDW7	SKNRFVTLEE <mark>C</mark> EST <mark>C</mark> K NENNFPTKRT <mark>C</mark> NA <u>LC</u> R	
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UniRef90_A0A023G510	CNORLDRGSCPGNQPRWYYDQETKNCSRFLHCGCGG CSALKDSGSGSNVTRQFYFDPDWNTCLAFNYNGTGG
UniRef90_E2IPQ6	CSALKDSGSGSNVTRQFYFDPDWNTCLAFNYNGTGG
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UniRef90_UPI00002210A8 UniRef90 G3MSA3	DRCQI RPTGGACNGWDIVIRYGFNHRTKKCFAFMSRSCGG
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UniRef90_G3MN20	RPKECYEEPDDGGCRPELERWYYDPRYGYCGLFLWCGSGA
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UniRef90_W2TD53	MPTEEDECEPDLTRWYWNGQEGVCSNFMYGECEP TRFYYNTLTFLCEPFVFSGCGG RYETCSLKLDRGDCSANTLRFYFDEVLEDCFTYLYEGCGG
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UniRef90_L7LQF5 UniRef90_B7Q5R4	PPRCRMPREDDDCTVSIIEQWYYNREEERCKNFMFGDCPD
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UniRef90_A0A023FFJ1 UniRef90_L7MFZ6	Y A K N Y F Y N S S N R C E E F D H K G C R G P P F C S K A P F N F R C R P D P D Y W Y F D T A D K V C R P D S H G Y C T G
UniRef90_L7LTI8	PPFCSKAPFNERCRPIPLYWYFDTALKVCRPISHGYCTGPNACPPTPQIGGCQPVHHAWYFDPEYNHCRPFQSGECSSCSAPVSVGNCSTGLQRWYYDSARSTCTQFTYLGCGG
UniRef90_F1KU70	CSAPVSVGNCSTGLQRWYYDSARSTCTQFTYLGCGG
UniRef90_A0A016T6B8 UniRef90_E3LPU8	TAPSTRFFYDPASGK <mark>C</mark> SPFTYLGAGG ES <mark>C</mark> QEP <u>PS</u> RGR <mark>C</mark> GKNLIKYYFDKKLEMCLPFLYEG <mark>C</mark> GG
UniRef90_Q3HYC9	P T F <mark>C R E P </mark>
UniRef90_A0A023G1E3 UniRef90_B3MBQ5	CFVFPSQGPCHGRYGRFFYNFVTGQCLPFWYFGCGG
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UniRef90_W8BPS6	WFYDADDRQ <mark>CKI</mark> FTTDD <mark>C</mark> DD RWYYDSEMDD <mark>C</mark> FEYFYEG <mark>C</mark> GG
UniRef90_A0A016VXN7 UniRef90 H2VS80	CLEDFDEGE <mark>C</mark> NGWRQQWYFDRNSKK <mark>C</mark> FP <u>F</u> WY <u>D</u> GCKG
UniRef90_A0A023G5D9	Y Y Y D F F S D T <mark>C</mark> K F G F G C G G
UniRef90_W8C7Z6 UniRef90 L7LSQ7	PPYCFTLLKIRSCKEKKPYWFYNYCEDLCMLYTADTCDK
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UniRef90_U6PMJ9	E T
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UniRef90_B4LGP3 UniRef90_B4N6U7	VCTGPRDLGHCRNFAMRWYYDGRRRACFKQNYLGCGG TAMNEMWWYESGARRCNRMSYRGCGG
UniRef90_L7LRC9	FACGUPMESSUCINVEAVYAYDPUAKGC FMTYDCSU
UniRef90_U6NIV2 UniRef90_A0A016UNS5	DÎ <mark>C</mark> EMGPPNGRF <mark>C</mark> GFRVMYTYNKETÊQ <mark>C</mark> DEFWFPG <mark>C</mark> ET AKRKMYYFDLEQGÎCLPFLFNECLA
51 to100_/ to/10 10 01 10 0	AKKKMI II DEL QOLOEI IEI NE OLA

lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0 jhmm jpssm

	50
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UniRef90_I6VXS1 UniRef90_Q4PML2	N D N N F P S L E D <mark>C L</mark> S N <mark>C</mark> K N R N N F P T K Q D <mark>C</mark> M
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UniRef90_A0A023FZ33	NANRYRSYER <mark>C</mark> IRH <u>CA</u>
UniRef90_E3N552	N R N N Y K T S G E <mark>C</mark> L R D <mark>C</mark> V A A
UniRef90_G0MS80 UniRef90_UPI000388AF42	N A N N F A S Y S E <mark>C</mark> Q N F <mark>C</mark>
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UniRef90_W2T703	N S N N F P T A E K C H N F C N E N R F P T L T S C T S A C
UniRef90_T1FTZ1 UniRef90_L7LSN1	NENRFPTLTSCTSA <mark>C</mark> RGNSFATKE <u>K</u> CEES <mark>C</mark> KSA
UniRef90_UPI000328E7CA	N R N N F K H K F II C E M Y C
UniRef90_W2TD53 UniRef90_A0A023G0I2	G R N T F Y T E H E C R A T <mark>C</mark> N G N S F <u>S</u> N <mark>C</mark> T A <mark>C</mark> M R F C
UniRef90_Q9VE31	N R N R F <mark>C</mark> S Q E S C D A R C G
UniRef90_U6I5L5	N G N N Y Q S K K E <mark>C</mark> R K A <mark>C</mark>
UniRef90_G3MHK7 UniRef90_L7LQF5	S G N N F P S P K E <mark>C</mark> R E T <mark>C</mark> S S N K F E S E A E C K A A C
UniRef90 B7Q5R4	K D G L F E T L E A C H A K C Q S
UniRef90_F0JAA8 UniRef90_A0A023G9V2 UniRef90_A0A023FFJ1 UniRef90_L7MFZ6	N N N R F Y S A K D <mark>C W</mark> D T <mark>C</mark> G N E N N F D S <u>R</u> K E <mark>C L</mark> Q T C
UniRef90_A0A023G9V2	NKNNF <u>P</u> SVED <mark>C</mark> SD <u>HC</u>
UniRef90_L7MFZ6	GHNKELSLEK <mark>C</mark> MEVC
UniRef90_L7LTI8 UniRef90_F1KU70	GRNHFSNEYK <mark>CKEVC</mark> SS TANRFSNKMS <mark>CISMC</mark>
	N Y N N F IL IS R II ID C E IL IY C A
UniRef90_E3LPU8	N F N R F D D S D M C N L R C R A A
UniRef90_Q3HYC9 UniRef90_A0A023G1E3	GRNGFPTEQ <mark>LCM TC</mark> SANSF <u>R</u> SYRS <mark>C</mark> LKH C S
UniRef90_B3MBQ5	N R N N F IL IT E N D S IL IH T C
UniRef90_V5HCX8 UniRef90_UPI0003D08B7E	N G N N F E T K E E <mark>C</mark> E R N <mark>C</mark> S G N A N N F K T <u>R L</u> E <mark>C</mark> E N R C K
UniRef90_W2T625	N A N N F K T R L
UniRef90_U6PKC5	G K N F F E S L E S C R N A C H N E N N Y P T S S A C N S D C K
UniRef90_A0A034WLZ5 UniRef90_UPI0001E45E12	N E N R F <mark>C</mark> T
UniRef90_B7QKZ7	N G N N F E D <u>E</u> N E <mark>C</mark> R K T <mark>C</mark> K G
UniRef90_A0A023FXG3	T G N N F P T L Q E C Q R T C K G N K N K F R T L D A C E G T C
UniRef90_W8BPS6 UniRef90_A0A016VXN7	N K N K F R T L D A <mark>C</mark> E G T <mark>C</mark> G Q N <u>T</u> F Y T R <u>Q</u> N <u>C R</u> R I C
UniRef90_H2VS80	N E N I F Q D E L S C L H T C
UniRef90_A0A023G5D9 UniRef90_W8C7Z6	N Q N R F P S L F E C L D H C K N A N K F N S L E A C E E T C R
UniRef90_L7LSQ7	G S N I F D T F D O C K T A C K D A
UniRef90_A0A016TQD0	N Y N N F P S F Y S <mark>C L</mark> N Y <mark>C</mark> K D S
UniRef90_V5I5I3 UniRef90_A0A023GD31	DANNFRTPQE <mark>CW</mark> KT <mark>C</mark> SN NANNFRSRLQCLETCNNT
UniRef90_V5HHI6	S G N N F P T A K A C W Q T C A K A
UniRef90_Q94163	N W N N F A T S Q A C Y E E C
UniRef90_L7MFF8 UniRef90_UPI0002B47A73	N P G Y L L C A R C T M S C M G N K N S Y D S Y E K C A Q R
UniRef90_U6PMJ9	N K N S Y D S Y E K C A Q R N V N R Y P S S S A C Y S D C
UniRef90_A1X863 UniRef90_B4LGP3	RRNIFSSIIM <mark>C</mark> RRL <mark>C</mark> NGNRY <mark>C</mark> SNAD <mark>C</mark> RAK C R
UniRef90_B4N6U7	N N N R Y <mark>C</mark> S Q A D <mark>C</mark> Q Q K <mark>C</mark> R
UniRef90_L7LRC9	F G N K F P T A R E <mark>C</mark> R R T <mark>C</mark> E G
UniRef90_U6NIV2 UniRef90_A0A016UNS5	NANLFSDLRS <mark>C</mark> QK SPNNFKTYFD <mark>C</mark> IK <mark>VC</mark>

lupas_21 lupas_14 lupas_28 jnet conf sol25 sol5 sol0 jhmm jpssm