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UniRef90_UPI00044380E9 UniRef90_UPI0003EA9355 UniRef90_M3ZRP9 UniRef90_UPI0002240022 UniRef90_UPI0003512304 UniRef90_UPI0003F1960E UniRef90_UPI0003B6BBD2 UniRef90_UPI0003B6BBD2 UniRef90_UPI0003BD0BA5 UniRef90_UPI0003BD0BA5 UniRef90_UPI0004443458 UniRef90_UPI0004443458 UniRef90_UPI0004443458 UniRef90_UPI0003C193B2 UniRef90_UPI0003C193B2 UniRef90_H3BX22 UniRef90_H3BX28	CNQPLEPGPCRQYRTRWYYDPEANACAQFWYGGCQG DACTLPKDEGCCRNYFTLKWFFDGQQNECSRFWYGGCGGG RCNLILDQGTCRNYLIRWYYDKQANACAQFWYGGCGGG RCNLILDQGTCRNYLIRWYYDKQANACAQFWYGGCGGG RCLEPMKPGDCRDYVVVKWYYDKNGNSCGRFWYGGCCDG RCLEPMKPGDCRDYVVVKWYYDKRGRCQRFWYGGSCQGG PCSLDPVGGECQNYTLRWYYNDKRCRPFVYSGCKG PCRLPLDEGDCQRYTLRWYYNQRVAECRPFVYSGCKG PPCRLPLDEGDCQRYTLRWYYNQRVAECRPFVYSGCKG PPQCQLRLPMDEGSCQKYTLRWYYNQRVAECRPFVYSGCKG PPQCQLRLPMDEGSCQKYTLRWYYDKQADSCAQFWYGGCCGG PPQCQLRLPMDEGSCQKYTLKWYYDKQADSCAQFWYGGCCGG PPCCRLPDLGGPCRVYIIKWYYDKQAAAQKECAARFWYGGCCGG PPCCQLPFTYSGCCGG	2222222222222
UniRef90_A0A016U8Q0 UniRef90_A0A016U8Q0 UniRef90_A0A016U8H0 UniRef90_UP10004434F50 UniRef90_UP1000457393A UniRef90_UP1000457393A UniRef90_UP100021A47D7 UniRef90_UP10003509AED UniRef90_UP10003509AED UniRef90_UP10004434698	NPSPEDPRRFTYSGCGG NPSPEDPRRFTYSGCGG NPSPEDPRRFTTYSGCGG NPSPEDPRRFTTYSGCGG NPSPEDPRRFTTYSGCGG PELCTLPMDPGTCDHSYPRYFFNKFLYACDWFTYTTGCGG PDRCAYEKNSGFGDGYNVKWYFNMRNLRCEQFVYEGKGG DPCSQPMDEGSCSLYVLLWYYYPESSECRPFVYYGGCEG ALCLLPRVTGPCKDQMTRYFYNATAGYCEPFVYYGGCAG OPCLQPPNTGPCKGRFAFTRYFFNPKSGLCETFVYGGCAG OFCLQPPNTGPCKGRFTRYFFNPKSGLCETFVYGGCAG OFCLQPPNTGPCKGRFTRYFFNPKSGLCETFVYGGCAG OFCLQPPNTGPCKGRFTRYFFNPKSGLCETFVYGGCAG OFCLQPPNTGPCKGRFTRYFFNPKSGLCETFVYGGCAG ALCLLPKVTGGCKGRFTRYFFNPKSGLCETFVYGGCAG OFCSMAKDAGVCRKYDLKWYYHQDGHSCAKFTYGGCAG ELCLLPKDLGGCRAYLVYGGCAG DPCSMAKDAGPCKNFLERWYFYDKRHAACKTFVYGGCAG ELCLLPKDLGGCRAYLVYGGCAG DPCSMAKDAGPCKNFLERWFFNLNTSLCASFQYGGCAG DPCSLAPVKGECQDYVLKWSYNQKEAAC	222222222222
UniRef90_UPI00042B98B9 UniRef90_E5SI51 UniRef90_G1K8Q5 UniRef90_G1K8Q5 UniRef90_G1KW71 UniRef90_G1KW71 UniRef90_UPI0002B4215D UniRef90_UPI0003318C77 UniRef90_UPI0003C4A771 UniRef90_UPI0003C4A771 UniRef90_F7D6H6 UniRef90_UPI000388B492 UniRef90_UPI0003B4757B UniRef90_UPI00038BD8BA UniRef90_UPI00038BD8BA UniRef90_UPI000395AEFD UniRef90_UPI000395AEFD	DFCRLNKDVGPCMGMKVRFFYNSSSMACELFHYGGCLG CTLPKDRGTCNKFELRFYYSTEFKECKYFFYYGGCGG NLCALPLEEGDCSKYTLKWYYNQKVSECRPFILYGGCKG MTMYFYNPVTKSCERFILYGGCKG RCYLPLETGYCKASMPRFGYNFKQRRCVSFVYGGCGG CLEPLKIGDCQNYEVKWYYSKDSNSCARFWYGGCGG VCSMPKVVGECYGYFPRYFYNQETNTCELFVYGGCKG DPCSLPLDEGSCTSYTLRWYHRAGAEACRPFVYGGCKG DPCSLPLDEGSCTSYTLRWYHRAGAEACRPFVYGGCKG RCLEPLQPGNCSEYVVRWYYDKQVNSCARFWFSGCKG RCLEPLQPGNCSEYVVRWYYDKQVNSCARFWFSGCKG DFCHLKQDVGPCLGMIRRYFYNVSSMACESFHYGGCLGG PDFCHLKQDVGPCLGMIRRYFYNVSSMACESFHYGGCCQG PDFCFHAQEPGVCRGYFTRYFYNKETKLCEAFKYGGCCGG PDFCFHAQEPGVCRGYFTRYFYNKETKLCEAFKYGGCCGG	ZZZZZZZZXZ%ZZZZZZ
UniRef90_E5S371 UniRef90_UPl000359B520 UniRef90_UPl0003596D3D UniRef90_A8NJ38 UniRef90_A8NJ38 UniRef90_UPl0002C43360 UniRef90_U6HEL4 UniRef90_J0DWQ3 UniRef90_UPl00044419A0 UniRef90_QZKJ54 UniRef90_G7YG48 UniRef90_G7YG48 UniRef90_G7YG48 UniRef90_P19761	YFDFQLSKCQTFTYSGCGG CLLPKVTGPCRASFPRFYYSSVTKRCLRFTYGGCRG DVCTQPKEIGRCRAAMPRFFYDSQTRSCRDFIYGGCGG ICLLKPSEGRCREDELQYFYSNRDKRCKLYFYRGCGG ICLLKPSEGRCREDELQYFYSNRDKRCKLYFYRGCGG ICLLKPSEGRCREDELQYFYSNRDKRCKLYFYRGCGG RCRASLPRWWYNATDGSCQLFVYGGCEGG RCLAPPKAGQCSTTIQKAYFDKALERCSWFVYLGCGG NICMQNVNTGKCTEAHLRFFYDPRVGTCRLFYYSGCGG CVEPPRTGPCRAHFHRWYYNPKDRKCLRFIYGGCDE EHCIAKAVTGPCRAAFPRWYFNAEENSCDNFIYGGCRG LTRFFYDRRLGKCQPFTYTGCGA PSWCLPPADRGLCQANEIRFFYNAIIGKCRPFKYSGCGG FCAMKVDDGPCRAFFKRSGCGG	N N N S S N S N N N R
UniRef90_UPI00032B1878 UniRef90_A8X0B5 UniRef90_D2A031 UniRef90_UPI00029D6114 UniRef90_UPI000333CCEC UniRef90_E0VCJ0 UniRef90_UPI000454337B UniRef90_F6WZE9 UniRef90_U6IKZ2 UniRef90_U6IKZ2 UniRef90_M3ZF52	FCAMKVDDGPCRAFIKRYFFNILITHQCEEFIYGGCEGCCIQPVVKGSCQEAHLRYYYDRVTTDSCRLFEYSGCDGCIGQCQPVVKGSCQEAHLRYYYYDRVTTDSCRLFEYSGCDGCRGCCGGALCSLPALQGPCKAYAPRWYFEPRKMMCVPFIYGGCRGCALCSLPALQGPCKAYAPRWAYNGQTGCCQPFVYGGCEGGCRLCRLPQDPGPCRGHIERWYFDINSESCKTFVYRGCKGYCAELPDTGLCKENIPRWYYNPFSEHCARFTYGGCYGCAELPDTGLCKENIPRWYYNPFSEHCARFTYGGCYGCFCATPMEEGPCRASLYRYYFNSETQLCSVFVYGGCRGDICFLPQERGNCYGFFERWGFEPKTGQCTMFIYGGCGGDLCFLPQERGNCYGFFERWGFEPKTGQCTMFIYGGCGGDCFCSLSLSHQSGMCRGAFPMFFYDSDSASCKTFIYGGCGG	Z Z Z Z Z Z Z Z Z

	50
QUERY	50 RNNFKSAED <mark>C</mark> MR <u>T</u> CGG <u>A</u>
UniRef90_F6XJ88	ENKFGSQKE <mark>C</mark> EK <mark>VC</mark> APV
UniRef90_G3MZC0 UniRef90_UPI0002A4BC37	ENNFPTLEECMKTC RNNFESEEYCMSVCSSV
UniRef90_UPI00042C5431	ENRFDSQDE <mark>C</mark> EKV <mark>C</mark>
UniRef90_V9KGQ6 UniRef90_UPI000350904D	R N N F D S E E Y <mark>C M A V C</mark> K A N R F E T E A E C I S K C
UniRef90_W5P723	G N N F E K L E <mark>D C M</mark> K T <mark>C</mark> S
UniRef90_H2M373 UniRef90_W5L794	Q
UniRef90_S7P7L7	ENRFDSQEE <mark>C</mark> EKV <mark>C</mark> S
UniRef90_H3DFT9 UniRef90_W5KZP4	RNNFDSEEY <mark>C</mark> MA <mark>V</mark> CK RNRFDTEEE <mark>C</mark> KKT <mark>C</mark>
UniRef90_UPI0004541DDE	ANREGTKET <mark>C</mark> EKR <mark>C</mark> S
UniRef90_H3B2V2 UniRef90_F1QV92	S N R F N T Q D E <mark>C</mark> E K T <mark>C</mark> Q N R F D T Q D E C E K A C G K A
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UniRef90_UPI0003EA9355 UniRef90_M3ZRP9	R N K F E T Q E E <mark>C</mark> E A <mark>V C</mark> E N R Y E T E D E C K N T C
UniRef90_UPI0002240022	PNRFETQQE <mark>C</mark> ESR <mark>C</mark>
UniRef90_UPI0003512304 UniRef90_UPI0003F1960E	N N R F E T D E E <mark>C</mark> R K A <mark>C</mark> A N R F Q T K E E C E A R C
UniRef90_U3K0L0	LNRF <u>D</u> S <u>R</u> EE <mark>C</mark> ELH <mark>C</mark> GA
UniRef90_UPI0003B6BBD2 UniRef90_V8NLJ5	D
UniRef90_UPI0003BD0BA5	K
UniRef90_H2TX28 UniRef90_UPI0004443458	K N R F N T E E E <mark>C</mark> K R T <mark>C</mark> A N R F D T K E E C Q V R C
UniRef90_A0A044ULB2	G N N F <u>R</u> S <u>R</u> E D <mark>C</mark> F A A <mark>C</mark>
UniRef90_F1MT39 UniRef90_UPI0003C193B2	K
UniRef90_H3BX22	A N N F D S E A K <mark>C K H F C</mark>
UniRef90_H3BXB8 UniRef90_A0A016U8Q0	R N N F E S E E Y <mark>C L</mark> A <mark>V C</mark> S S S G N N Y E T E D A <mark>C</mark> S Q R C A
UniRef90_A0A016U8Q0	GNNYETEDA <mark>C</mark> SQR <mark>C</mark> A
UniRef90_A0A016U8H0	G
UniRef90_UPI0004434F50 UniRef90_W2TU03	ENQFET LSDCER CS
UniRef90_UPI000457393A	NNHFAS <u>K</u> QE <mark>C</mark> MDR <mark>C</mark>
UniRef90_W5P796 UniRef90 UPI00021A47D7	KNNFQTLSDCLVTCSPV ENNFRTLSECQSEC
UniRef90_UPI0003509AED	LNRFQDQEE <mark>C</mark> VQT <mark>C</mark> G
UniRef90_K1PX42 UniRef90_H0ZTL2	SNNFQTYEE <mark>C</mark> RAS <mark>C</mark> VGS RNNFDSEEY <mark>C</mark> MA <u>VC</u> GS
UniRef90_UPI0004434698	S N R F D T K E D <mark>C</mark> E S R <mark>C</mark>
UniRef90_L7ME17 UniRef90_V5GUT5	S N S F A T E Q K <mark>C</mark> Q A T <mark>C</mark> R N R F E R Y S E <mark>C</mark> N <u>K</u> M C
UniRef90_A8NJ39	R N H F F S K H E <mark>C</mark> E I I H C A
UniRef90_UPI00042CA620 UniRef90_B4N5T5	ANRFETKEA <mark>C</mark> EĀQ <mark>C</mark> RNNFLTETE C LQT C SSV
UniRef90_UPI0003316421	ANRFETEEE <mark>CKAQC</mark>
UniRef90_UPI00042B98B9 UniRef90_E5SI51	GNNFPSEKE <mark>CLQTC</mark> R ENNFKDLAE <mark>CEKTC</mark> GKS
UniRef90_G1K8Q5	R N R F N S K F D C F V O C K S
UniRef90_K7GHV1 UniRef90_T1GNT3	GNRFSTKEE <mark>C</mark> LRACG SNRFLTFQACLAACR
UniRef90_G1KW71	ONREOTEWE <mark>C</mark> RAA <mark>C</mark> A
UniRef90_UPI0002B4215D UniRef90_UPI0003318C77	GNNFADĪNECEEKC ANRFGTR <u>E</u> ACERRC
UniRef90_UPI0003C4A771	G N R F A T F V F C I R T C G
UniRef90_W5P4Z1 UniRef90_F7D6H6	GNRFNSEKE <mark>CEELC</mark> GNNFNT <u>E</u> KE <mark>CLQTC</mark> R
UniRef90_UPI000388B492	ANREPSIVINECLIKTCGSS
UniRef90_E2A743 UniRef90_UPI0002B4757B	DNRYNSEDE <mark>C</mark> LYY <mark>C</mark> VG QNNFRSLEE <mark>CQ</mark> TT <mark>C</mark>
UniRef90_UPI000388D8BA	K N N F F T K F F C I O A C R
UniRef90_UPI000395AEFD UniRef90_H0ZLV2	KNRFETQEE <mark>C</mark> GFLC KNSFASEEE <mark>CMRVC</mark> HSS
UniRef90_E5S371	G N N Y R T F F F C F I S C K
UniRef90_UPI000359B520 UniRef90_UPI0003596D3D	ANSFRTEIDCRRKC LNNFNSMEGCQRKCAS_
UniRef90_A8NJ38	ONREDTKRHCEILTCAGIVI
UniRef90_A8NJ38 UniRef90_UPI0002C43360	QNRFDTKRHCELTCAGV DNNYLTEDDCLKKCAG
UniRef90_U6HEL4	D N Q F A S E E <mark>C</mark> N D T <mark>C</mark>
UniRef90_J0DWQ3 UniRef90_UPI00044419A0	ENNFATEDE <mark>C</mark> RQR <mark>C</mark> KN GNNFEDEND <mark>C</mark> SET C DG
UniRef90_Q2KJ54	K N N Y R S K E E <mark>C</mark> M Q Q <mark>C</mark> F G
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UniRef90_G7YG48 UniRef90_P19761	F N N F T S K K A C L T A C K
UniRef90_UPI00032B1878	E
UniRef90_A8X0B5 UniRef90_D2A031	A N N F G S L V D C Q R L C R N N F L T A Q E C M E A C
UniRef90_UPI00029D6114	E N N F T S R K A <mark>C</mark> F R A <mark>C</mark>
UniRef90_UPI000333CCEC UniRef90_E0VCJ0	GNNFESRES <mark>C</mark> EES <mark>C</mark> MNSFFTQED <u>CE</u> QT <mark>C</mark> S
UniRef90_UPI000454337B	K
UniRef90_F6WZE9 UniRef90_U6IKZ2	Q N N F M A P E E C Q A A C G G E N N F E S K E A C E L R C
UniRef90_U6IKZ2	E N N F E S K E A <mark>C</mark> E <u>L R </u> C
UniRef90_M3ZF52	DNKFESEEE <mark>C</mark> MS <mark>VC</mark> SGT

UniRef90_I1FZ85 UniRef90_U1NZH7 UniRef90_U1NZH7	1
UniRef90_T1FSK9 UniRef90_T1FSK9 UniRef90_UPI0003599A15	PRV CRQPSEPGRCMGYFPRYFYNAETGECESFTYGGCGGN
UniRef90_UPI0003C8535F UniRef90_U6IAR2 UniRef90_B7P3L9	E C C C P L S D G P C D D M S S R WY Y D Q S T G L C K E F G Y T H C G G T E S C K P A A E A G V C D A Y M P R W F F N V H T G A C E R F L Y G G C G G N
UniRef90_G6CNF3 UniRef90_UPI000389086A UniRef90_T1J3I9 UniRef90_A0A034WTW0	E CAL P V S V G P C R G Y D E R W F F D H P R V A C E P F G Y T G C G G N E R C L P K V V G R C R A S F P R W W N A T S R T C Q R F Y Y D E K S H S C K K F F Y T G C G G N V C Y E P K K V G C C G N T T K Y C E R F F Y G G C G N C C G C C G N C C C C C C C C C
UniRef90_UPI0002C65664 UniRef90_K1PKN2 UniRef90_K1PKN2	VCQQPSDSGRCEGAELRWYYKTDLQRCDRFWYRGCGGN
UniRef90_UPI00034F576D UniRef90_UPI000441EDEB UniRef90_A0A023F2I8	PDLCFLENDVGILCRAYIIIRYFYNNQIRQCEPFAYGGCLGN ICALKADSGPCKALHPRYYFDIQTRRCESFNFGGCKGN FVCQIPKVVIGPCRGHFFKWYFDAVITHTCRKFAFSGCRGN
UniRef90_UPI00044222A8 UniRef90_Q290S6 UniRef90_W8CC99 UniRef90_Q2VYC5	EFCAAPRAVGPCRASFLRWYFDLETRMCKMFLYGGCRGNDLCVQQPDSGPCRGSYQRYAFNPHTHRCDAFSYGGCRGNEECHQPKETGRCFGLFYRYAYNVENRQCEEFVYGGCNGNEVCKLAPDTGACYAYFPRWHFDLSTGTCKEFLYGGCQGN
UniRef90_F1KRK0 UniRef90_F1KRK0 UniRef90_UPI0003870C44	CSAAADEGPCGSSITRWYYDENAQLCKPFQYSGCGGN
UniRef90_W5MXW7 UniRef90_UPI0002A48A2D UniRef90_UPI0003345416 UniRef90_K7G400	CL L PPDDGPCRAL VPRWYYDRYT QSCQEFTYGGCHGN EVCL LPVAEGPCRATIPRYYYNRYT QKCEDFSYGGCQGN EICTETPDTGTCRESSTKWYYEPYQEDCFPFNYSGCGGN ESCL VSKKVGRCRASIPRWWYNATEGTCQQFVYGGCDGN DPCSSPLDEGDCNRFTLRWYYNQKVAECRPFLYSGCRGN
UniRef90_N6TZX6 UniRef90_T1PNB9 UniRef90_UPI0003834281	ELCASRFDSGPCRGSYMRYGYNKDTGRCETFTYGGCRGN CMTPMDRGLCRARELLRFFYNFSTGRCHRFSYSGCGGN
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UniRef90_V9KSN1 UniRef90_U4US25 UniRef90_F1KQ30	RCVEPPMTGSCRAHFIRFYYNPYQRKCERFTYGGCNPN ERCNLPKUNGSCEGYFLQWYYDKQAHQCSQFUYGGCLGN CHIKPTEGPCHFNETQYFYSRRDRKCKIYFYRGCGGN
UniRef90_H2M3H0 UniRef90_V4AGH7 UniRef90_V4AGH7 UniRef90_L7MZN8	A V C R L P M D A K P C V G S P P I WT F N S T S G C V P Y K Q G Y C Q A N D D C S L D S S P G R C S N WT I Y WA F N S T S R R C Q R F Y Y G G C D G N D D C S L D S S P G R C S N WT I Y WA F N S T S R R C Q R F Y Y G G C D G N P E F C H L P P D T G P C K A Y M P R Y F Y N P K S N R C E E F I Y G G C R G N
UniRef90_UPI0003C1AB5A UniRef90_W4VSH9 UniRef90_UPI00035A10AF	EVCLLPQDEGPCRALFLRYYYNTHTQTCEEFFYGGCEGN PSDCNIPADAGMCYAYFPMFFYDASSRKCINFLYGGCGGN
UniRef90_G3WCB9 UniRef90_H2M4D4 UniRef90_E1FK17 UniRef90_G0NKM8	FCAMKADDGPCKAHIRYFFNIKSRKCEVFEYGGCHGNCSLPLDEGSCSNYTLRWYHRPGRGCHPFVFGGCEGNAPCSLPSLQGPCKAYEPRWAYSSTLKKCQSFVYGGCGGNRCVQPSTCAGNFERWYFDMQLRQCVCSWWSGCGGNVCQIKPAEGPCNESETQYFYSPKHNRCKLFFFQGCGGNVCKLPPHTGPCKAAFWRFYYNAAEGVCQPFLYGGCQSN
UniRef90_D4QD82 UniRef90_G4V6G8 UniRef90_H0XEX6	R F Y Y D H S R K Q C L P F R F T G L L A H C V D L P D T G L C Q E N I P R W Y Y N P F S E R C A R F T Y G G C D G N
UniRef90_054819 UniRef90_K1QEK5 UniRef90_U6FVD6 UniRef90_H2WPS5	PDFCFLEEDPGLCRGYMKRYLYNNQTKQCERFVYGGCLGN SGNCQAFFPSWTYNPVTQRCQEFVYGGCGGN AVCYLPRERGNCEAYQQKWGYDPELGQCVQFIYGGCNGN PERCSFDKDSGSGKGYNVKWYFNMKNLRCEQFVFEGLGGN
UniRef90_H2WPS5 UniRef90_C1P660 UniRef90_X5IGV6	PERCSFDKDSGSGKGYNVKWYFNMKNLRCEQFVFEGLGGN PGPCHGSFQRYFYNEDSQKCEQFTYSGCGGN PDVCLQPMDVGPCERQLPRYYFNAVQVTCKRFDYGGCGGN
UniRef90_W8BF25 UniRef90_H2RRJ0 UniRef90_B7PG23 UniRef90_F1N0Z9	PETCLLPMDFGYCRAKVKRYYFDMRRMKCAMFYFGGCAGN PELCEAEPDVGPCRAMFRHWYYDSKVGSCKGFTYGGCRGN CESPKDPGPCFGYFPRWFFNVDTSECEQFIYGGCQGN PDLCQLPQARGPCKAALLRYFYNSTSNACEPFTYGGCQGN
UniRef90_F1KXU4 UniRef90_UPI000328C21D UniRef90_Q9U8G8	WTTRYYFNADTRS <mark>C</mark> QMFWNDG <mark>C</mark> RSS FY <mark>C</mark> TAKAFTGP C RAAFSRWYFNVFKNVCDNFIIYGGCRGN
UniRef90_UPI00042A9B06 UniRef90_UPI0003C14255 UniRef90_G1TCD7 UniRef90_H2Z6J4	DQCRLPIDRGSCSGNFGRWGFNSETRRCEQFMWGGCEGNPSWCLSPADSGLCQANEKRFYFNSAIGKCRQFKYTGCGGNCSLPKEEGPCKARLPRYYFDKSSQTCERFFYGGCEGNDLCRASQEVGRCRASIPRWWYNATAGSCQQFVYGGCEGNDQCTYPYDIGHCADNTPRYFHNPSMNRCELFYYSGCGGN
UniRef90_U1M9J6 UniRef90_C7SCV7 UniRef90_UPI0003C150E6	CEQPKETGPCDRFVTKWYYNIVDGTCNRFHYGGCEGT DPCKLPLDPGFCRAYFPRWGFHQESGECVRFIYGGCGGN YCNAPKKVGHCRGSFERWYYVPATLKCEKFIYGGCKGN ICSEPMEKGRCTSNILRAYFDKQAGRCRLFSYTGCDGN
UniRef90_E2BUL2 UniRef90_U3ENJ1 UniRef90_Q6P2V8 UniRef90_P10280	P K V C R L Q M N V D Q C E G S L E K Y F F N L S S M T C E K F L L G W C H Q N D S C R L A P A P G P C L G M H S R Y F Y N S S T M A C E T F K Y G G C L G N C E L P K V V G P C R A R F P R Y Y Y N S S S K R C E K F L Y G G C G G N
UniRef90_UPI00042C6041 UniRef90_A0A023GFF1 UniRef90_UPI000441EA79	PAFCLESYYTGPCKARKI RYFYNAKSRHCEI FI YGGCRGR CAQKYETGPCKAI I PMWWFNAQSGKCEQFL YGGCGGN PSECLKEPDKQDCETYQTRWHFDSKKGSCVTFRYGSCGAN
UniRef90_R7UKB1 UniRef90_R7UKB1 UniRef90_F1SD33 UniRef90 H2U8H7	DICQLLPEVGPCYASKPRFYFDTASGECQAFLYGGCQGN DICQLLPEVGPCYASKPRFYFDTASGECQAFLYGGCQGN PAFCLEPPYTGPCKARMIKYFYNIRSRSCEEFLYGGCEAK RCTELPDTGGCRDSLTKWYYNPVKQECSRFNYGGCQGN
UniRef90_H9IV11 UniRef90_UPI0001CBA5BA UniRef90_M0QSB1	<u>II <mark>C</mark> M E</u> E P T Q G P <mark>C</mark> R G <u>L </u>

UniRef90_I1FZ85	T N R F S L Q C L Q S C G G N N F A S L T D C Q R K C H S N N K Y V S E N A C L R F C N N K Y V S E N A C L R F C S N N F E R F Q D C F S S C A N N F E T M E C L R V C A N N F L S K S S C E L Y C G A A N N Y H S F A E C E S T C E N N F R T R Q C C E C T C
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UniRef90_G3NCS6 UniRef90_UPI000333AB9F UniRef90_J9JSF2	ELCALRDEPGPCKAIKERFFFNVDTGHCEQFEYGGC FCYSPKDERLCSANVTCYYANSRHKACEPITYPGC DPCEQPLTPGPCKGN <u>FSR</u> WYYDKSTRS <mark>C</mark> SQFNYGGC	GEN
UniRef90_F6TBX8 UniRef90_U6NXI2 UniRef90_U6NXI2	CAGPTSSSPASPHLVLWHFDPQRGGCMTFPAGGCCALPQDQGTCSGYKLVWYYDTAEGRCSQFWYGGCCALPQDQGTCSGYKLVWYYDTAEGRCSQFWYGGC	D G A
UniRef90_UPI00035A1D06 UniRef90_W4XF67	EPCMLPSATGDCHQSLTRWYFDFEKQHCRPFKYSGCDRCSLYNDPGCRAWLVKYYFDSNYGQCTQFWYGGCPKICRLEVSKDQCEGPREEYFFNLSSMTCEKFMSGGC	RGN
UniRef90_UPI0003C8DC37 UniRef90_C3KHI5 UniRef90_S4R793	P R E C L S R H D T G N C Q G N F R R F Y Y N T A S K M C E E F [] Y S G C	G G S G G N
UniRef90_UPI0003C43EE0 UniRef90_UPI0003C43EE0 UniRef90_M3XL62	PDFCFLNPDKGPCGFHFKNYFYNHRSGRCEQFVYGGCPDFCFLNPDKGPCGFHFKNYFYNHRSGRCEQFVYGGCEYCDAPRQVGKCRAALPRWYFDVQAQACTKFIYGGCEICQSPVVKGPCFALWKRFAFIKEKNRCELFYFGGC	KGN
UniRef90_E9GHG8 UniRef90_T1PCL6	E C Q S P V V K G P C F A L WK R F A F L K E K N R C E L F Y F G G C V C D L P M E A G E C D N S T T A WHY D R E S S S C V A F T Y T G C	QGN
UniRef90_T1PCL6 UniRef90_Q8IT91 UniRef90_Q8IT91	V C D L P M E A G E C D N S T T A W H Y D R E S S S C V A F T Y T G C V C D L P M E A G E C D N S T T A W H Y D R E S S S C V A F T Y T G C D R C S K P L E R G C L A S M K R Y G Y D T S S K K C K A F T Y G G C D R C S K P L E R G C L A S M K R Y G Y D T S S K K C K A F T Y G G C	CCN
UniRef90_G1P9X1 UniRef90_UPI000329FAFE UniRef90_UPI00046B4160	F	RGN
UniRef90_F1SD28 UniRef90_T1HGL4	P S F C Y S P K D E G L C S A N V T R Y Y F N P R Y G D C E A F T Y T G C D V C S L P K K T G P C L A Y L P R WWY D K E K K V C S R F L Y G G C L P S W H Y D S A T G R C K Q F F Y G G C L P S W H Y D S A T G R C L P S W H Y D S A T G R C L P S W H Y D S A T G R C L P S W H Y D S A T G R C L P S W H Y D S A T G R C L P S W H Y D S A T G R C L P S W H Y D S A T G R	EGN
UniRef90_T1HGL4 UniRef90_F6V7B1 UniRef90_B2KTG1	I PSWHYDSATGRCKQFFYGGC EICLLPPDEGPCRARIPSYYYDRYTQSCRQFIYGGC PAYCKLPPEPGPCHEYKHAFYYNPDARECEEFILYGGC	E G N K G N
UniRef90_M3ZR26 UniRef90_E9IKY9 UniRef90_UPI0004439E75	P A D C L A E V D T R V C S G R H V D W Y Y D S K L S S C M T F S S G G C D A G P C R G Y F Q R W A F N P Q K L M C V P F A Y G G C D F C A M K D E S G P C K A K E R F F F D V N T G T C E R F E Y G G C	DDS RGN SGN
UniRef90_Q28D86 UniRef90_UPI0003C84B24 UniRef90_UPI0002BD186B	CTGKGVIGNCRASFPRWYFDAESQNCISFTYGGC CLNPKEPGRCLAYLPRWWYDAQNKVCSQFIYGGC DFCRVSKSVGKCRASLPKWWYNVTDGSCQQFVYGGC	GGT
UniRef90_A7UVI4 UniRef90_UPI0003C383FA	RCEEVPDYGDGDGDELLFYYNAERQSCERFRYSGA VCDLPMEAGECDNSTTAWHYDRESSSCVAFTYTGC VCDLPMEAGECDNSTTAWHYDRESSSCVAFTYTGC	GGN
UniRef90_UPI0003C383FA UniRef90_J7HZ94 UniRef90_R4FIY1	CYEPLIDPGTCKANIITRYYFDIISSQIICQNFTYGGC	QGN
UniRef90_T1JGC4 UniRef90_T1JGC4	DVCALPSDHGPCSAAEERWYFNQNSGRCDQFIIYGGC DVCALPSDHGPCSAAEERWYFNQNSGRCDQFIIYGGC	GGN

UniRef90_UPI00038BFB84	ENNFYYLED <mark>C</mark> DRV <mark>C</mark>
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UniRef90_W2TUH8	ENNFETEECENTC
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UniRef90_G0WRZ9	R N R F R S R R D C E E R C
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UniRef90_UPI00034FC723 UniRef90_UPI00034FC723	
UniRef90_UPI000462D6AB	G N N F O S O Y A C H Y S C I G
UniRef90_G3NCS9 UniRef90_U3F5B9	ENNFTKRKICIDKCIGS ENNFKTGHECHRAC DNNFHSVRECLQTCR
UniRef90_H9GVB9 UniRef90_R4FJI9	DNNFHSVRECLQT <mark>C</mark> R PNNFETLEE <mark>CKRTC</mark> AA
UniRef90_UPI0004624CA4	GNNFPSERACLQTCR
UniRef90_UPI000395696F UniRef90_W5.I1Y7	GNNFPSERACLQTCR TNNFESKETCEDVC NNNFMSREDCLDTCSN GNRFDSQEECERLCG
UniRef90_B0W468	GNRFDSQEECERLCG
UniRef90_B0VV468 UniRef90_UPI0003DED534	G N R F D S Q E E <mark>C</mark> E R <mark>L C</mark> G K N R F Q D K E S C E K R C
UniRef90_UPI0003DED534	KNRFQDKES <mark>C</mark> EKR <mark>C</mark> KNRFQDKESCEKRC DNNFSYLKDCQRVCEKA
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UniRef90_E5S5Q3	NNNYLISEEECMKIC TNRFNDRQTCETRC DNRFDSEQECASACNAA DNRFDSEQECESVC GNRFTQRSECESVC
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UniRef90_A0A034UZH0	G
UniRef90_W5L7J4_	ANNEQTEDQCEEMC
UniRef90_H2UQQ5 UniRef90_C3Y986	GNKFYSEKECKEYCG ANNFQTLDQCEEMC SNRFGDRASCEEYCS TNRFGSWRECTLKCLG GNQFPDEATCRDFC
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UniRef90_P84875	ANNF <u>E</u> TKES <mark>C</mark> ENA <mark>C</mark>
UniRef90_UPI0003C39CAE UniRef90_UPI0003C39CAE	GNRFLSREQCERQCG GNRFLSREQCERQCG NNNFQSKYVCQDLC
UniRef90_UPI0003F13395	NNNFQSKY <mark>VC</mark> QDLC
UniRef90_G3NCS6 UniRef90_UPI000333AB9F	DNNFRTLEE <mark>C</mark> EE <mark>MC</mark> GNNFVSVED <mark>C</mark> KR <mark>VC</mark> KRA
UniRef90_J9JSF2 UniRef90_F6TBX8	Q N N F L N K E S C N H K C A R G F E T Y E A C Q Q <mark>A C</mark> A
UniRef90_U6NXI2	D N R F A T K F O C F T I C
UniRef90_U6NXI2 UniRef90_UPI00035A1D06	DNRFATKEQ <mark>C</mark> ETI <mark>C</mark> ANNFLSKNDCKDAC_
UniRef90_W4XF67 UniRef90_UPI0003C8DC37	T N L F D T Y E E C R N E CVG E N R F P D E A T C M G F C A
UniRef90_C3KHI5	S N N F V S R R S C M D V C
UniRef90_S4R793 UniRef90_UPI0003C43EE0	NNNFISAKT <mark>CLSTCLS</mark> A RNIFKSEAA <mark>CQHFC</mark> G
UniRef90_UPI0003C43EE0 UniRef90_M3XL62	RNLFKSEAA <mark>C</mark> QHF <mark>C</mark> G KNNYATQEE C QRQ C PGT
UniRef90_E9GHG8	R N N F <u>R</u> T A D D <mark>C</mark> Y K T <mark>C</mark> G G
UniRef90_T1PCL6 UniRef90_T1PCL6	G
UniRef90_Q8IT91	E N N F E T M A E <mark>C</mark> R E T <mark>C</mark> K D T
UniRef90_Q8IT91 UniRef90_G1P9X1	E
UniRef90_UPI000329FAFE UniRef90_UPI00046B4160	D N N F V S S K D C R H A C
UniRef90_F1SD28 UniRef90_T1HGL4	N N N F Q S E N V <mark>C</mark> K D I <mark>C</mark> S
UniRef90_T1HGL4 UniRef90_T1HGL4	A N R F M S E E Q C E R Q C G A N R F M S E E Q C E R Q C G
UniRef90_F6V7B1	A
UniRef90_B2KTG1 UniRef90_M3ZR26	R N R F <u>E</u> T Y E E <mark>C</mark> K A <mark>S C</mark>
UniRef90_E9IKY9 UniRef90_UPI0004439E75	R N N F LT A D E C S S T C G A N N F E T M E E C E E A C
UniRef90_Q28D86	E N N H K S V Q E <mark>C</mark> A D R <mark>C</mark>
UniRef90_UPI0003C84B24 UniRef90_UPI0002BD186B	SNNFQSQA <mark>VC</mark> QA <mark>IC</mark> DNNSMTKEE <mark>CLAKC</mark> AGV
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UniRef90_UPI0003C383FA	G N R F L S R E Q C E R Q C G
UniRef90_J7HZ94 UniRef90_R4FIY1	G
UniRef90_T1JGC4	G N N Y V S L A E <mark>C</mark> E H R <mark>C</mark> G
UniRef90_T1JGC4	G N N Y <mark>V S L </mark> A E <mark>C</mark> E H R <mark>C</mark> G

	1 10 20 30	40
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UniRef90_L7LQ91	CYKEPDKGH <mark>C</mark> RAS <u>L</u> DRWYYNYTTGN <mark>C</mark> SVF <u>S</u> Y	GGCSGN
UniRef90_UPI0003C8E44D UniRef90_L7LQE9	DIVICS QPKDPGPCYSYILIRRFFYDKSQDRCILIPFII IF	′
UniRef90_L7LTN2	F M C F II ID P K K G F C G D Q H T II IY Y Y D R H A Q R C K S F II IF	YG <mark>C</mark> GAN
UniRef90_UPI0003F10E42 UniRef90_G0PB39	DTCVLPAVRGPCPGHESRWAYSPLLRQCHPFVY CLQPPNEGPGGGTTLHWYHDPLTGECRELKY	′ G G <mark>C</mark> E G N ′ Q G Y G G N
UniRef90_UPI0004420DF8 UniRef90_A0A016U035	DII COI PSIVICGNCKAMFII REEYNASTRKCEKEII Y	′ G G <mark>C</mark> G G N ′ G G C K G N
UniRef90_UPI000359BB47	CLLPKKTGPCRARKPSFYYNTESGE <mark>C</mark> ESFITY	G G C Q G N
UniRef90_H2A0M2 UniRef90_A8XUN2	PDECALPLKVGPCRARFPRYYFNFMRKRCEFFFV RCLEPVELGNCQETYPAFYYDRTSRTCRPFAY	V G G <mark>C L </mark>
UniRef90_UPI00032AD7B2	DIVIC OILIPK D.S.G.P.C.MAFFPRWWYSOFNNTCYNFILIY	′ G G <mark>C</mark> L G N
UniRef90_H2YTU9 UniRef90_UPI000359F3AA	C_L P K W <u>S</u> G P <mark>C</mark> K A H N P R F Y Y N S E S G E <mark>C</mark> E S F I Y	′ G G <mark>C</mark> K G N ′ S G <mark>C</mark> Q G N
UniRef90_UPI0003C8D4AC UniRef90 H2S6K8	D V C S L P K E V G P C L A Y L P R W W Y D K E T E S C S K F I Y D P C G L N T L Q G P C K S Y E P R W A Y S S S L H Q C Q S F I I Y	′ G G <mark>C</mark> Q G N ′ G G C D G N
UniRef90_A0A016WP40	EL <mark>C</mark> LLSIDRGA <mark>C</mark> GGRQTRYAFNRQTSQ <mark>CV</mark> PFDY	TGCGGN
UniRef90_S4RII7 UniRef90_G0MY36	CMMDLDPGPCRAYLPRVFYNRYTQRCEPFHY EVCFEAADRGCGKNLQRWTY GAQKCTSFTY	′SG <mark>C</mark> GGN
UniRef90_UPI000022141F UniRef90_UPI000022141F	DL <mark>C</mark> DEPLHPED <mark>C</mark> KNWE KWFFNSDRGA <mark>C</mark> KSFWY	′ G G <mark>C</mark> E E S ′ G G C E E S
UniRef90_B4N8N6	C S L P P V R G R C D T L S T R W F F D E R T G G C Q E F E F	TG <mark>C</mark> RGN
UniRef90_B4N8N6 UniRef90_C1K6Q2	CSLPPVRGRCDTLSTRWFFDERTGGCQEFEF EVCEQTPKKGPCHAYVQRYFYNSSSR <u>SC</u> QLFIY	T G <mark>C</mark> R G N ′ G G <mark>C</mark> K G N
UniRef90_G6CY12	PKWCTILINFDYGFCFGAILIKRWYYDPMWKIVCKERII IY	′ S G <mark>C</mark> G G N
UniRef90_D9IX85 UniRef90_B5X5Q1	PQICRFQKEEGHGRAILWRYFFNMTTMQCEQFVY	′ G G <mark>C</mark> N G N ′ G G <u>S Q</u> G N
UniRef90_UPI00046B6036 UniRef90_V8N8X7	LCNMPKEAGICLAYMSRWWYDKHTKRCTEFLY PEFCYLPANPGPCRATLTRFYYNSDSKQCEKFTY	′ G G <mark>C</mark> L G N
UniRef90_UPI00038EB935	D V <mark>C S L P K E T G L C </mark> MAAFRRWWYNKENNT <mark>C </mark> D I F I Y	′ G G <mark>C</mark> Q G N
UniRef90_L7LR68 UniRef90_A0A016VNU9	PNFCDQPRDPGPCKARILSWFFDEQTSSCKKFYY DACTLPKVQGPCSGKHEYFFFNTISQQCEKFVY	′ G G <mark>C</mark> L G N
UniRef90_B4HYU9 UniRef90_G0PK65	CWYVANPGPCDDFVKVWGYDYLTNRCLFFYY	' G G <mark>C</mark> G G N
UniRef90_W8AMC1	C T L P A D Y G S C N G N E T R W F Y N Y A E G L C D E F T Y	GG <mark>C</mark> DGN
UniRef90_W8AMC1 UniRef90_P0DJ46		'CC <mark>C</mark> DCN
UniRef90_B4K6Z6	V C D Q P E E R G D C D N Y S L K WS F D R S S G A C R Q F Y Y	GGGGN
UniRef90_B4K6Z6 UniRef90_Q868Z9-2	V C D Q P E E R G D C D N Y S L K W S F D R S S G A C R Q F Y Y C A L P P V R G R C S D L S R R W Y F D E R S G E C H E F E F	′
UniRef90_Q868Z9-2 UniRef90_O44938	C A L P P V R G R C S D L S R R W Y F D E R S G E C H E F E F R C Y L P K V E G P C D Q P Q A K Y W Y D Y N T K Q C A A F W V	T G <mark>C</mark> R G N VR G C H G N
UniRef90_Q868Z9-6	CFILIAFEPGNCYNNIVITRWFYNSAEGILI <mark>C</mark> DEFIVIY	′ T G <mark>C</mark> G G N
UniRef90_Q868Z9-6 UniRef90_A0A023FS89		′ T G <mark>C</mark> G G N ′ G G C G G N
UniRef90_G3FZ85 UniRef90_V5IC52	D <u>NCLL</u> D <u>V</u> DPG <u>L</u> CKD <u>V</u> QLRWYFNKKKGT <mark>C</mark> ESF <u>L</u> Y	′ S G <mark>C</mark> G G N ′ K G C K G N
UniRef90_Q868Z9	DIVI <mark>C</mark> N F PIVIT T G P C T D W Q T K Y Y F N T A S Q A C F P F T Y	'GG <mark>C</mark> DGT
UniRef90_Q868Z9 UniRef90_W2TST8	D V CNEPVTT GPCT D WQT K Y Y F N T A S Q A CEPFT Y V CV L N P D R G P C S V S V P R Y F Y S P V N Q T C T R F E Y	′ G G <mark>C</mark> D G T ′ G G C A G N
UniRef90_A0A023FQC3	V C K K P D S G A C L A Y I P H W Y F N H E K G Y C Q G F V Y	′ G G <mark>C</mark> K G N
UniRef90_M3ZEN9 UniRef90_J9AKZ5	DACNEDMDVCDCNCAEOCVVEEDATCTCEDEDV	/ C C C N
UniRef90_B8Q9T8 UniRef90_B3LV80	C A L	′ G G <mark>C</mark> D G N ′ G G R D G N
UniRef90_B3LV80	CGLAKETGTGGNFSVKYYFDTSYGGCARFWY PEECGLSMVTGKCRGFFKRYYFNMASRECEPFIF	GGRDGN
UniRef90_V4BNW1 UniRef90_E7D188	EVCELPLESGPCMALMHRYGFDKESGKCKKFLY	GG <mark>C</mark> RGN
UniRef90_S4RW35 UniRef90_A0A044U6P9	CALPQNQGSCSAYKLVWYYDTSEGRCSQFWYCGLAKETGTGGNFSVKYYFDTSYGGCARFWYCGLAKETGTGGNFSVKYYFDTSYGGCARFWYPECGLAKETGTGGNFSVKYYFDTSYGGCARFWYPECGLAKETGTGGNFSVKYYFNMASRECEPFIFEVCELPLESGPCMALMHRYGFDKESGKCKKFLYPYLCLLEEAVGPCRGSFTRWLYDAESSNCKEFTYDPCKLPKVSGPCSGKHKRYYFNRNTSRCERFEY	′ G G <mark>C</mark> G G N ′ G G C I
UniRef90_A0A044UNK5		
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UniRef90_I6MS67 UniRef90_O16701	PSCCLSPARGNCNSQTLRYFYNTTSRTCEAFIY CSLPLAVGSCTAPAVRFYYDASSGRCNQFMY	′
UniRef90_UPI0003F1254C	DILCSMTKDKGPCI IA YII IPRWWYDKKA FKCHKFII IY	' G G <mark>C</mark> Q G N
UniRef90_E1G5X7 UniRef90_R7VA77	CSLSQDQGTCHGYKLLWYYDTAEGRCKQFWY VCLLPLDAGMCKTYQVRWYFNKYRQRCELFFF	′
UniRef90_A6N9U8 UniRef90_H3EEA5	T M F Y H D P R T K K C T P F T F	ILIG <mark>C</mark> GGN
UniRef90_O76840	PCEKPI V VGLCSGKHT ÄF GF NKSSGRCEQFEY RCYLPRVDGPCDQLQPRYYYDHSKKHCVAFWV	VŘĞ <mark>Č</mark> LĞÑ
UniRef90_O76840 UniRef90_UPI0002658F66	RCYLPRVDGPCDQLQPRYYYDHSKKH <mark>CV</mark> AFWV VCALPKDSGPCLDYTAAWAF ENGTCR <u>P</u> FHY	V K G <mark>C</mark> L G N ′ G G <mark>C</mark> E G N
UniRef90_UPI000359B73F UniRef90_UPI0004625D29	DILICSII IPK DSGY <mark>CI</mark> I IA Y F P R WWY N K F N S T C FII IFII IY	'GG <mark>C</mark> OGN
UniRef90_A0A044U6P4	E C Q S T A D S G P C G N Y E D V Y Y Y D S F S G R C Y L F I Y	GGGGN
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UniRef90_Q5ZR42		
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UniRef90_A8XY36		′ G G <mark>C</mark> Q G T
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UniRef90_G0PB39	ANNFQTKDH <mark>C</mark> ESY <mark>C</mark> K
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UniRef90_UPI000359BB47	ANRFPTQEQ <mark>C</mark> SEK <mark>C</mark> KNNFETIYD <mark>C</mark> QE <u>T</u> CGYA
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UniRef90_G6CY12	KNNFYSQEQ <mark>C</mark> DALCR
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UniRef90_O76840 UniRef90_O76840	N N R F T S Q E E <mark>C V K V C</mark> A N N F N S F E E C S M F C K D V A N N F N S F E E C S M F C K D V
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UniRef90_A0A044U6P4 UniRef90_I6UW93	NRFKTREE <mark>C</mark> EAR <mark>C</mark> SHV ENNFGF <u>Q</u> KE <mark>C</mark> QRA <mark>C</mark> KSS
UniRef90_Q5ZR42	K
UniRef90_Q5ZR42 UniRef90_Q1WCN6	Q N N F R S F V E <mark>C Q K T C</mark>
UniRef90_H9J6I8 UniRef90_B4MC50	G
UniRef90_B4MC50 UniRef90_UPI000332FD0E	KNNFPTLES <mark>C</mark> EDH <mark>C</mark> ANNFQNEEV <mark>CL</mark> KV <mark>C</mark>
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UniRef90_P00994	QNRFDTTQQ <mark>C</mark> QG <mark>VC</mark>
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UniRef90_U1N9I6	ANNFLTKEA <mark>C</mark> ELEC
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UniRef90_F1R121	ANNFSSSQECKRLC
UniRef90_B2ZBB6	GNKFPTQEA <mark>C</mark> MKR <mark>C</mark> GKA
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UniRef90_V5HAW7	KNNLETEDE <mark>C</mark> KKK <mark>C</mark>
UniRef90_UPI000161C58C	ENNFLSRAS <mark>C</mark> EAT <mark>C</mark>
UniRef90_W217V0 UniRef90_F1FNP9	SNNFINKKDCFKFC
UniRef90_J0XEM9	QNNFLTFRICQQS <mark>C</mark> GA
UniRef90_T1GTK3	LNNFYSI EDCI QVC
UniRef90_A73X00	YNRFIISKTVCMEYCSN
UniRef90_H3EW49	T N N F G S L R D C Q E M C
UniRef90_A8PLQ6	ENNEMIKID <mark>C</mark> EKA <mark>C</mark> LG
UniRef90_I3LEG9	ANNFSK <u>K</u> ED <mark>C</mark> MKA <mark>C</mark> SST
UniRef90_G3MU07	QNNFDSLTDCLETC
UniRef90_U6PTM3 UniRef90_U6PTM3	KNDFPDQETCQWKCMGV
UniRef90_A0A016UM69	KNDFPDQETCQWKCMGVQNNFLSRRDCESACKLNNFGTLEQCNNFCLSADNRFISEKACQLAC
UniRef90_W2SLS8 UniRef90_E9GHH2	LINNFGTI E Q C NNF CLIS A
UniRef90 G3MU06	F N L F M D Y F O C F R V C R G A
UniRef90_F7HTA3	NNNFQS <u>EA</u> N <mark>C</mark> LNT <mark>C</mark> KN
UniRef90_H2WCD8 UniRef90_Q6T5J7	LNNFKNYDT CMWLC
UniRef90_E5S5S7	NNNFQSEANCLNTCKN DNNFETLLECQNTC LNNFKNYDTCMWLC RNNFANLESCRKSC
UniRef90_A0A016WP72 UniRef90_UPI00032B1357	GNIVIEESKUII <mark>L</mark> USUL
	C N N E E N
UniRef90_UPI000440F054	SNRFLTEAE <mark>C</mark> FET <mark>C</mark> GG
UniRef90_R7THU4 UniRef90_U1MQ85	SNRFLTEAECFETCGGTNNFASKAECNAVCKKTSNNFATREECESYCGENNFETMEKCEEECKNKNNFNTLEDCLKSC
UniRef90_Q66TW3	ĔŇŇFĒT <u>M</u> ĒK <mark>Č</mark> ĒĒĒ <mark>Č</mark> KN
UniRef90_Q66TW3 UniRef90_W5P6D5	K N N F N T L E D C L K S C
Uniker90_G9F9I6	GNRFENQRECEARC
UniRef90_T1GUN3	GNRFFDYNSCNATCAGV ENSFGTLEGCKRHC
UniRef90_B3N363	ANRFHSKKS <mark>C</mark> EEK <mark>C</mark>
UniRef90_A6X0E5	QNNFLTKQDCDRTC
UniRef90_I5AMZ6	ENRFYTFSE <mark>C</mark> MQS <mark>C</mark> S
UniRef90_B7P7N4 UniRef90_E5S268	GNRFFDYNSCNATCAGV ENSFGTLEGCKRHC ANRFHSKKSCEEKC QNNFLTKQDCDRTC QNNFLTKQDCDRTC ENRFYTFSECMQSCS GNNFPDQETCRKYCK QNNFLSRGDCENSC
UniRef90_E5S268	QNNFLSRGDCENSC
UniRef90_E5\$268 UniRef90_V5ICD2 UniRef90_L7LTV6	ANRFRLEKG <mark>C</mark> NKT <mark>C</mark> HG
UniRef90_L7L1V6 UniRef90_E3N6H2	SNKFSSUEEUMGKUSG ENNFLLRFHCFATC
UniRef90_Q86DH8	ENRFYTFSECMQSCS GNNFPDQETCRKYCK QNNFLSRGDCENSC QNNFLSRGDCENSC ANRFRLEKGCNKTCHG SNKFSSCEECMGRCSG ENNFLLREHCEATC KNNFRTQQACMTTCSS GNNFDTLAKCRYLCG
UniRef90_L7LTP4	GNNFDTUAKCRYLCG
UniRef90_UP100044038D2 UniRef90_A8PU54	KNNFRTQQACMTTCSSGNNFDTDAKCRYLCGANNFSNREDCMTACSSTQNDFMTQQENNFDDEDACQKQC
UniRef90_V5HYT4	ENNFDDEDA <mark>C</mark> QKQ <mark>C</mark>
UniRef90_G5AY50	ENRF

UniRef90_U1M450 UniRef90_R7TTS8 UniRef90_A0A023G2P7	1 10 20 30 40 DLCTEPLDRGRCEPMSNRYYFNKKSNTCKGFHYTGCGLS APCSLPPQVGPCKASINRFFFNPDTDECEVFQYGGCRGN PGYCKHPAKTGLCKARIPKWAYEQKTGLCKFFLYGGCGGN
UniRef90_U6PKX9 UniRef90_U6PKX9 UniRef90_A8XLH6 UniRef90_B3LY97	NPCAEPWTKGEGNSALTRFYYDAVQRKCLAFNYLGLKGN NPCAEPWTKGEGNSALTRFYYDAVQRKCLAFNYLGLKGN CSLNPDKGVGSGRSYRYHFNSNKQSCESFQYEGCDGN EKCLFTPKYGPCKKRYKVFAYDLMTNRCVQFYYSGCGGN
UniRef90_U6NPW0 UniRef90_H2KMJ7 UniRef90_H2KMJ7	NPCDQPVSSGHGNRFIISRFFFSKEYGQCLIHFAYSGEGGN DPCTQTLAQGEGPLSVARFYFNAQSRTCDEFMFRGLKGN DPCTQTLAQGEGPLSVARFYFNAQSRTCDFFMFRGLKGN
UniRef90_C0Z3L5 UniRef90_C0Z3L5 UniRef90_G7YQY1	PCEEEMIQGEGPSALITRFYYDASQRKCLAFNYLGLKGN PCEEEMTQGEGPSALTRFYYDASQRKCLAFNYLGLKGN CDHPLFRGDCAFNLRRWAWNTANRTCVVPFSYSGCGGN
UniRef90_G6CTI3 UniRef90_UPI000359E462 UniRef90_A8X3F3	FCQLQPRKGSCGNQLKRFYYDMESNECRSFYFGGCDGN CSEEQDSGTCDDYVMMYFYDMRTIGQCRRFWYGGCKGS CGCGCSGVVTRYYFNLVTRKCSPFVYNGCDGN
UniRef90_E9HWM8 UniRef90_B4LPH9 UniRef90_Q03610	DVCTLKKDSGMCRAAVTAWYFDPNKGECKNFIIYGGCGGNAICSQLPDYGRCSAHTRMWYYSRQHKSCLPFDYSTCGGNCSLNTDSGQCGASTFKYYYNPQTQNCESFQYNGCDGN
UniRef90_A9YPC4 UniRef90_G3MIP8 UniRef90_D1FPT3	VCALPEPKQICRAAFRGYRFNPQKQRCESYTY CEKN PECSEQGHVIGPCKASFIRWSFHKKSG CTPFIYGGCRGT DICKIPLDLGICRPTEWHFHYNVQKKKCEMFPW GCGGN
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UniRef90_A0A016T5B8 UniRef90_A0A023GGQ7 UniRef90_W2SXY2	TATSTRFYYDPQSGKCSPFTYLGAGGN CSLNADSGVGSGSTFRFHYNAHTQNCESFQYNGCDGN VCSLPPPSEHCNSFSPVWSYDFKKERCEPYLCGGGVNNN DPCTQEQESGVGSVQLTRFYFNKELKLCEEFVYFGAGGN DPCTQEQESGVGSVQLTRFYFNKELKLCEEFVYFGAGGN CGLPPQQGTCGANFVRYYFNLVTGQCTSFQFGGCDGN
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UniRef90_A0A024MY29 UniRef90_L7LQS3 UniRef90_U1N9T2	CSLDWDSGPCYAKLPRFFYKKDQKICTMFVYGGCEGNCLLSIDKGACSEHQTRYAFDRQQNQCISFEYTGCGGNDICLDPPITNWCPTYYDMWYFDYSTKQCKMFLYNGCTNDCSMKADIGNGITMMQRWAYNFEKKICELFLYSGNGGNCSMKADIGNGITMMQRWAYNFEKKICELFLYSGNGGN
UniRef90_U1N9T2 UniRef90_U6I1R2 UniRef90_H3F7M7 UniRef90_A0A024MYN7	CSMKADI GNGI TMMQRWAYNFEKKI CELFLYSGNGGN CSMKADI GNGI TMMQRWAYNFEKKI CELFLYSGNGGN EYCKQPI VKGT CGSRL VSWAYNAATDRCVRFI YSGCGGN DPCGQPADRGI GRSQLARWYWEPNQQVCLPFAYCGLKGT LDQGHGKTLQARYYFNKYAKVCEQFDYRGI DGN
UniRef90_A0A024MYN7 UniRef90_A0A024MXF8 UniRef90_G7YVJ8	L D Q G H G K T L Q A R Y Y F N K Y A K V C E Q F D Y R G L D G N C F E P L T E G K C R K S V Q R WA Y N H V Q L Q C V T F N Y S G C N G N D C R L P K E P G F C R T A I K R Y Y S D A R R K R C F A F S Y Y C N G N D P C G Q P L D R G V G G S Q L S R W Y W N Q Q S Q C C L P F S Y C G Q K G T
UniRef90_H2KMJ9 UniRef90_H2KMJ9 UniRef90_UPI000444706C	EPCFILKLDPGNCRLTELRWHFDFNRKVCKPFITYKGCSKN
UniRef90_B3LY99 UniRef90_A0A023FC15 UniRef90_U6PDH3	RCYKNLSYGRCKGHRQMWGFAVEEKKCVSFLYSNCGGN RCSLGPVNSRCRASLTVWHYNSTLDVCSQFTYGGCGAS DPCLITINVGQGKAMIKRYYYNTESKHCVFFVYRGTKGN
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UniRef90_B4JQI4 UniRef90_J3KMK8 UniRef90_K1RCH9 UniRef90_UPI000161DBE8	VCGLPPAADRCAAFIPSWSYNPSDNSCKDFVYGGCGGN ICNQPVKKGFCSFTFYRYYFNPESALCESFLFTGCGGN VCSLRPDVGECEGIICPRFYYDARRRTCRRFNYGCCGGN DRCHQLLNLGLGNAFLQRWHFNTNSKHCEPFILYRGLQGN
UniRef90_A0A044SWD6 UniRef90_UPI000388BCB8 UniRef90_G1T2Q5	N F C L Q P M D P G R C K E F E T R Y G Y D P E L D D C V Y Y Q Y G G C D G T V C L L E K D L G H C K G T Y L L W Y F D H A L K K C R P F T Y G G C A G N D P C R L D V Q H G S C Y F M H F R Y F Y N R T S K R C F F F V Y S G C D G N
UniRef90_A0A024MYC9 UniRef90_A0A024MYC9 UniRef90_A8QEH8	CK MPL SVGI GGAPVNRWYYDAAASICK IFEYNGRKGN CK MPL SVGI GGAPVNRWYYDAAASICK IFEYNGRKGN NPCN PMVVG FGN FKI ORYYYDAAARVC RVFTYHGMKGN
UniRef90_A8QEH8 UniRef90_UPI0003500713 UniRef90_I1ZIG7	N P C N L P M V V G E G N E K L Q R Y Y Y D A M A R V C R V F T Y H G M K G N M E S G P C L A L L P Q W Y Y N K E R G A C H S F L Y S G C Q G N C F D P L A K G F C K A Y L P R Y F Y N D T S F K C F R F L Y G G C G A N
UniRef90_E1ZNB0 UniRef90_K7H028 UniRef90_R7TSZ7	FCGQPAERGPCRAAIPSWYYDAAAATCRPFLYGGCQGN CDQQLMLGVGDVTIERFYYDTTDDACLSFNYTGVGGN CSLPVDAGPCEALMSKWFFNSTSSKCEPFNYGGCQGN
UniRef90_A0A016U2M0 UniRef90_Q9VQT1 UniRef90_E5S8E3 UniRef90_U4PMC3	PDLCLLEPDPGHCTDETKWFFFNSDAGCEKFFFYGCGGN CRQPKAPGLCRGHQLRYAYNKKTGNCESFLYTGCAST VCSQPKLFGTCTSAVVRFWYNAATRDCEAFTYTGCNGN CMOPKKESDALGSVERWYFNSWMGSCOOFLFTGSEVS
UniRef90_UPI00035A00CC UniRef90_G0NLU8 UniRef90_UPI00033371D9	CMQPKKESDALGSVPRWYFNSVMGSCQQFLFTGSEVSCYLPKKEGVCNSSFERFYFNSETGECESFTYRGCYGN TRYYYNPTDGQCHPFTFNGFLGN DLCNYPPVRGHCKSNLFRFYYNTLTFNCEPFIFSGCGSN
UniRef90_W2SUU9 UniRef90_H3DS85 UniRef90_H3DS85	DLCNYPPVRGHCKSNLFRFYYNTLTFNCEPFIFSGCGSNPKRCLQDPDKGKCSLKKLWWYFNQKSGKCEQFVYSGCGGNDPCEQSLEVGEGPHNLTRWYADPDSRKCKQFQYGGTKGNDPCEQSLEVGEGPHNLTRWYADPDSRKCKQFQYGGTKGNDPCEQSLEVGEGPHNLTRWYADPDSRKCKQFQYGGTKGN
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UniRef90_E1FH12 UniRef90_UPI000298CC75 UniRef90_A0A044UG88 UniRef90_A0A044UG88	PVACNMTSSYGDCTGNYTRYFFDTTKKRCSKFKYSGCGGN VCQLPLAIGDGGANLQRWYFNNNIHQCVSFTYGGLYGN CHFKRDSGKCSGQYLRYYYDPIHAKCKKFQWTGCVGN CNLPQQIGTGPYRIPRWYYNSVRMRCELFFWSGCCAN
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UniRef90_R7TTS8	٨
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UniRef90 C3YUQ1	
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UniRef90_G4VBB1	/
UniRef90_E1G0A4 ENNFLSRESCDEFCKA UniRef90_I3LDW5 ANNFASEEACMNSCRG	-

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UniRef90_B3MP49	GH <mark>C</mark> RG <u>LL</u> PHWSYNQESG <mark>QC</mark> L EFNYSG <mark>C</mark> GGS
UniRef90_F6WMJ9 UniRef90_W2TSF9	D L <mark>C</mark> L L A L N V G Q G K A N V K R F Y Y N T L S K R <mark>C</mark> T E F M Y R G T K G N
UniRef90_A0A016W8C7 UniRef90_UPI00022348D2	
UniRef90_A8XVJ4	DII <mark>C</mark> LEDIVIDPGPCQYYQIVIQWFWDQMAEE <mark>C</mark> KEFHYGG <mark>C</mark> MGT
UniRef90_B5DIF2 UniRef90_A0A016WSQ2	S C E A Y I PS WS F D S K A K E C V K F I Y G G C G G N D P C A Q D L A V G E G T Y S L T R Y F F D K E T R R C R E F T Y L G S K G N D P C A Q D L A V G E G T Y S L T R Y F F D K E T R R C R E F T Y L G S K G N
UniRef90_A0A016WSQ2 UniRef90_A0A016TKY5	D
UniRef90_R7UVN9 UniRef90_UPI0003F14107	ICSTPRNSGR <mark>C</mark> KQTTLRWYFDGIASSCRSFLFHGCDGN PPECLLEINPGTGSSFTKRFYYDANTNVCKKFNYSGVGGN EPCFLPPKEGNCKNFERRWYYNFQTNYCQTFQYGGCNAN
UniRef90_UPI00038BC3A4	E S <mark>C</mark> N M D M D P G S <mark>C</mark> Y E V H F R Y F Y N R T A G E <mark>C</mark> Q S F V F T G <mark>C</mark> N G N
UniRef90_V5HFJ5 UniRef90_K1QW69	CTYPKYDGPWRPRVRSYYFSNKTKTCRKFWYGGCEGN CSLSAEPGP <mark>C</mark> RGACPRFYYDASRNSCRPFTYGCCGGN
UniRef90_B3N355 UniRef90_U6I1Y2	P E M C Q Q P S D G Á A C L Á F M P A W T Y D A S N N Á C T T F L F G G C G G N D V C Y L P L V E G N C S N R M S L W A F N L T S R R C V R F Y Y S G C G G N
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UniRef90_W2SPA1 UniRef90_Q7T2Q6	CSAVMSRGN <mark>C</mark> SGSPLRWYYDQSQRK <mark>C</mark> TQFAYNG <mark>C</mark> GGT CD <u>K</u> P <u>P</u> NKKR <mark>C</mark> TGHIPAFYYNPQRKT <mark>C</mark> ERFSYGG C KGN
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UniRef90_A0A016S095 UniRef90_A8XSA8	CSEMVSAGPCFGRIQRFYFNPNTRKCQAFQYYG <mark>C</mark> NGN LQRWFWDTNELA <mark>C</mark> KLFKYYGQGGN
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UniRef90_K1Q2W2 UniRef90_B7PE74	MDPGDCDGCPRWFFNTHSGRCEEFSYGCCGGN DPCVLPLDEGTCKSAMPMYGFNAASQKCEEFEYKGCGGN
UniRef90_V5H942	PDL FRPGGPGP <mark>C</mark> KAALPRFF <mark>C</mark> N NG <u>RCEQ</u> FLYGG <mark>C</mark> QGG
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