>LcERF-1

MCGGAIISDFIPPTRSDRVTADHLWPNLKKPKSGRHSSARSLRSQIFDVDDFEAD
FQDFKDDSDVDFGEDDFSDVKPFIFSAPKSACSSTRGSSATKSVEFNGQAEKSA
NTKRKNQFRGIRQRPWGKWAAEIRDPRKGARVWLGTFNTAEEAARAYDAEAR
RIRGKKAKVNFPDEPLHNTQKRKNSQKQHLKTNLKASQANANQHPKFSNHPD
QNYYRTTSFLEVKPPTDQLGYMDSFPASMDSAPSDDMLLYFNSDEGSNSIGCSD
FGWGDQGAKTPETSSVFSAAFESNDSQFSEDMHPRKKLRCSSGDAITAEEVGA
KTLSEELSAFESQMKFLQMPYLEGNWDNSMDAFLGGDATQDGGNSVDLWSFD
DLPAVVGGIF

>LcAP2/ERF-2

MSNWLGFSLTPHLRLHDAAAAAADDQPNPGNFPPLMPLRSDGSLCIATASAAA
HDWRSYENEMGATNEEESPKLEDFLGNCYSTNSPPNDQTHNNNNFIHPNNNNN
NNNNDDDNYNYQSWLGPTTATSSSQNECGFQSLSLGMSPNSQNDIASLSSSSSP
PPPHAAADSRKRPVPVGKALIKEPVPRKSIDTFGQRTSQFRGVTRHRWTGRYEA
HLWDNSCRKEGQTRKGRQVYLGGYDKEEKAARAYDLAALKYWGPTTHINFP
LSTYENELEEMKNMTRQEFVANLRRKSSGFSRGASMYRGVTRHHQHGRWQA
RIGRVAGNKDLYLGTFSTQEEAAEAYDIAAIKFRGTSAVTNFDISRYDVKRICSSS
TLIAGDLAKRSPLKDGTPTTTEDYTACASPSSSQPLLAITGDGGAESHHELGDV
VWCDNVAADDDNQQHENAAKMNNDLSLMGSSNRTDPSKCSTMQNNGEFGIG
AGVGGGEYSQGYFSMQEAKYEDGNDEGDQNRQLGNSSVTLAHHHVPMFALW
NE

>LcERF-3

MNSSFFHFQNSDFSPESSLGSFESLRWEGFQINDNSLPFNENDSGEMLLHSLISE
AAVYPPENSLRQAPIKDEEVDSLGEEDSHKQKSYRGVRQRPWGKFAAEIRDST
RHGVRVWLGTFDSAEEAALAYDQAAFSMRGSAAVLNFPVERVQESLKEMEMI
NSAVGDGDGGSPVVALKRKHSMRKKFTRRKSKERDGNGKMESNVVVLEDLG
PDYLEELLESSENLRPW

>LcERF-4

MEDQFPLIEQQKNIIQKDFSSSSSSSFQELVSGSYFYGDPILWGSIARASRSENGG
SSNGNDQSKSPSSSSSSSPNSPSSSSSSFRLLSGEKSEISGGNLIESFCGIRKFESNL
HPDGDRFVPVNFLEAFPKQESESLSSPTLFQSRTDSTNLTLFLQEPAIVDPSPRNP
FQIQAQTGLQWLKNNQNQNQAAAIAAAVSRNYSDFWLGATKTQPMKQSGRK
QGNLKTESPATATTAGKLFRGVRQRHWGKWVAEIRLPRNRTRVWLGTFDTAVE
AAVAYDTAAYMLRGEFAHLNFPDQKHRLKSNSLNRTTAALLEAKLQAITQGNS
GRKKTTTATATTAATAIDSTPSEKGLLQGDSKVLNLSQNPARFSPENMSGGGGG
GGGSEMGDLKRNPDGNFEIEQHVQLSRMPSLDMDMIWDALLVSES

>LcERF-5

MEKSYRGVRWWSWGKYATEIRDSMRHGVRVWVGTFDSVEATALAYDQAAFL
MRGEMAVLNFPVEMVRESLQDIEYRLEEGCSPMVALKRKHSPRRKEDLKICKW
KA

>LcERF-6

MAALMDFYGGCRDFQSDPFGGELMEALEPFMKAASSSSPSSFLPSYSSSSSSSTP
DFSSPFCFSSSIQTESTSYPSDCSPPMTHLFSGGFSAQNLHGLEQSASIGLNYLTPF
QIQQIQSQFGLQTQIQPVWGQINNQQELLKNQTNGVNFLGPKAIPMKHMGSPP

KSTKLYRGVRQRHWGKWVAEIRLPRNRTRLWLGTFDTAEEAALAYDKAAYKL
RGDFARLNFPHLKHNGSSVGGDFGEYKPLHSAVDAKLEAICQSLAESQKQGKS
DRSASRKSKSASSTVGSESQAPTVIDSDDEQKAAEVRSSGSEICCKAENSSSPVS
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>LcERF-7

MEDSFRRINGLPISHSPDSDNNNNPFLDYQVKCNNNSTAAAATTTTTTAGVKRT
LRDHNSTGTMRYRGVRRRPWGRYAAEIRDPQSKERRWLGTFDTAEEAARAYD
CAARSMRGLKARTNFVYPSSPPAAHSLSDYLIPHFNFPKQSSHHPSSLPRHLALN
SSNWPIFSTPNRAADFLWSGAAAAAQRTINTASPTLDMLLLRDFLNFPSSNNSNP
KPTNSLNPTSKITPTVLPNSLTPLHDCTAEFLPKDSPDSGLLEEIIHGFVFPKSDKS
DPDIATNSPVADSANLGNLDYPDCIHEQLENFNAGFDSAPRGVFGNEVGLGQH
ADQNLNILDDIFQCPELLNAFAAKVENA

>LcERF-8

MPRPQQRYRGVRQRHWGSWVSEIRHPLLKTRIWLGTFETAEDAARAYDEAAR
LMCGPRARTNFPYDASLSRSSSSRLLSATLTAKLHRCYMASLQLTKQSSPAVRR
AQTDPIRTDFVMASSIAPTERVEAEATVKKVKLESEDCGEPLMIEMLDDDHIQQ
MIEELLDYGGIELRSASVVQPQAI

>LcERF-9

MARPQQRYRGVRQRHWGSWVSEIRHPLLKTRIWLGTFETAEDAARAYDEAAR
LMCGPRARTNFPFNANDSNSSSSKLLSANLTAKLHRCYMASLHLTNPSPQKPAA
PGNKPLTAEKKRAAAAATTEAQTQTAHQPFEALEEDHIQQMIEELIHYGSVELC
SVVPPSQAF

>LcERF-10

MEEIAEPTGVEKRKQQQRGRQEKPYRGIRMRKWGKWVAEIREPNKRSRIWLG
SYTTPVAAARAYDTAVFYLRGPSARLNFPDLILQDMDQQLLDVSPSSIRKRAIEV
GARVDAAAHQTSLRQSKPISDKPDLNQFPDPESSDED

>LcAP2/ERF-11

MDTSQGTNGVGCDCEHPTVTGRQVAVLYCVKRPDGAECGQICPALQIYPKLQL
EEEEGEEEKMKSMNENESNNNNGWLGFSLSPQMKMEVTSSDPHHHHAHPYN
NHHHSHTAPNSFYLSPHYNNNNSSEIFYGIAENAPLHHSAAASLSVMPLKSDGS
LCIMEALSRSQTEGMVPSSSPKLEDFLGGGATMAGRGFFNQNAESEPDREHSLD
LLHRPIRQNQEHQQILIQNSHQYYSGLVPSSIGMGTCDPQILPADDDEIPCLRNW
VSRSHYAHNTLEQHIGGAALVNDGGGGGGGGSASIGGMSCGELQSLSLSMSPG
SQSSSFTASGQISPTGGDGAAVETKKRGPGKLCQKQPVHRKSIDTFGQRTSQYR
GVTRHRWTGRYEAHLWDNSCKKEGQTRKGRQGGYDMEEKAARAYDLAALK
YWGPSTHINFPLENYQTELEEMKNMSRQEYVAHLRRKSSGFSRGASVFRGVTR
HHQHGRWQARIGRVAGNKDLYLGTFSTQEEAAEAYDIAAIKFRGVNAVTNFDIS
RYDVERIMASSTLLAGELARRNKEVDPSSDAVVAYDSSTAPNNNGGIGIGIEMN
SNDNGPNGNGTDWKMALYQNPSHQQQQQAAAAAACVAESMDHHHNKSMPT
SGGYRNASFSMALQDLIGIESLNSNSHGIEDDVSKQVTHFSNSSSLVTSLSSSRE
GSPDKTNASMPFAKPAPLMASKLIDATSGVGSWYPSPQQLRPTAISMAHLPVFA
AWNDT

>LcERF-12

MDNNIPEPDRSPAAAETKYKGVRRRKWGKWVAEIRLPNSRERIWLGSYDSQEK

AARAFDAALFCLRGRHAKFNFPDQPPPDILDAHSLTAHEIQQLAAKFANEYSST
ADQNDVAVVDRPDTVDSTCGNSSSTSSASVKDEHNMDWSFLDNLDAIDERGG
GSTSNLFPFYSDHFDNILTNDFYESTHPHVHYNAVSSDDDSLPNQFFLWNFENH

>LcERF-13

MDFTVLNSELCSIKSDSMAVKCIKRRRRSASSSSAVADDQPHKSVADQPTATKRS
SKFRGVSRHRWTGRFEAHLWDKGSWNPTQRKKGKQGAYDEEESAARAYDLA
ALKYWGTSTFTNFPVSDYEKEIKIMKTVTKEEYLATLRRRSSGFSRGVSKYRGV
ARHHHNGRWEARIGRVFGNKYLYLGTYSTQEEAARAYDIAAIEYRGINAVTNF
ELSSYIRWLKPQQEKPNFSPPLLLSSNYNQHFVDPIPNPMMMMFQQQDPIIIPQS
RSCSNSSSSTTALGLLLKSSLFKQLLQKNVDLNNNNVNGDVQPQEEDLSDHPNP
YLNLHQPTNTFSLPLHFHC

>LcERF-14

MELQTILCRKPISEPPENFAGRSSAGLRIVRISMTDPDATDSSSSDEEAVNFTRRR
VKRYVGEITIGKAANGGGGGRKMKMKIKKKKRAVGNVRKFRGVRRRPWGKW
AAEIRDSGRRVRLWLGTYDTAEEAAMVYDSAAVKLRGPAALTNFPTPPPPPFPG
EEPSSPTSVLHHRTHFTECSPPYRANVTGAAAEESPVVDFPFSDDVFKSILFEPSL
FLEYQTTLIPETPWTGSDDGGGGELVAVAGSEERGEDHDYFEEILMGSDPLVVL

>LcERF-15

MCGGAIIADLIPRRDGQRVTASDIWPNSTFFDFNKCPSDRDVPPAKRPLRSSEAS
WRDEKPKKRQRKNLYRGIRQRPWGKWAAEIRDPRKGIRVWLGTFNTAEEAAR
AYDREARKIRGKKAKVNFPNEDDEYSIQARCNLQNANPQFQRQFRANLYSVPE
NSVYGEFRCDLNQIGDYTTKGFNGSRMSAAIEEQSGSGSEDSYSPPQGSGFGQN
TNTVEFGVKEPEEKPEQKVAVVAAAEEENEVQKLSEELMAYENFMKFYQIPYL
DGQSSVTNPAEEQVVGDLWSFDDDLHGSVSSSEL

>LcERF-16

MARPQQRYRGVRQRHWGSWVSEIRHPLLKTRIWLGTFETAEDAARAYDEAAR
IMCCSNNLPTNHNAPPHSSSAPPPSKLLTPTLIDKLQRCRMASLQMAKKQIPTKT
NFADRKSTDPSRRQATKLDGGSGGLWPETDGKWVAGGEAQEVGRLEDDHVEQ
MIQELLDLGSFEFCPNNNNIGSINN

>LcERF-17

MAKQKKFRGVRQRRWGSWVSEIRHPLLKRRVWLGTFETAEDAARAYDEAAVL
MSGRTAKTNFPVTATVRSEARNFPPSLNSTISSMVSSPLSETLNAKLRKCCNSLP
RSLTCLRLDTESCRIGVWQRRAGHRRVTDSNWVMMVKLEKKNDDEFQATESP
EKGMEEVKLSSTEDSLDDEEKAALQMIEELLNKI

>LcERF-18

MAEPSNSNSESESTELKRVNQKHPIYRGVRKRSWGKWVSEIRQPRKKTRIWLG
TFTTAEMAARAHDVAALSIKGDSAKAILNFPQLAGLLPRPVSLMPRDIQAAAAK
AAAMVEFNSMTASFSSSSNDEEGSDELGEIVELPNIEEEIRAESWNEFEMIDSVD
WWGNPPFAAAEMDFFAGFSDQSTIPVAFDGGD

>LcERF-19

MHIVPLCEIPGSATDYRGVRRRPWGKYAAEIRDPVKNGIRTWLGTYDTAEEAA
LAYDRAAFNRLGSIGGSGFMRVVDRLQEPAELEMGDGATWQKATGCVM

>LcERF-20

MASTDDASTLDLIRHHLLNDFNSIEAFASNLHFNGNGITPQIPAAPSKIGQRRPSL

NVAIPPKSYSVESTATATATSEAKSDVGLSRHYRGVRRRPWGKFAAEIRDPNKR
GARVWLGTYDTAIEAAKAYDRAAFKMRGSKAILNFPLEAGKEPEEPPSTAAVG
RKRRRESEVGEMENKVVKKEESSSETNEIGVPAAVCPLTPSCWAPVWDSDGKGI
FNVPPLSPLSPYPLMGYSQCTVI

>LcERF-21

MELREEEEDDFSPLKFIQHHLLQDSDSFFTLLDFDFQSPSAFFSLPPIKLEFDDFE
YMKPSEEEEPPIQSPKSHRAEQSPQEVSSSDGGRRYRGVRRRPWGKFAAEIRDP
SRKGSRVWLGTFDSDVDAARAYDSAAFKMRGRKAKLNFPLDAGKSDPPLGNG
RKKRREMTVN

>LcERF-22

MPATWNQLKTINKTLLKLTYFPIGPPPIFFVLFHLLAIISQIKAPNLRPLMAMGSC
RKKASSRGHHRYVGVRQRPSGRWVSEIKDSLQKVRLWLGTFDTAEEAARAYD
DAARALRGSNARTNFDYLPPSSSCSVVVDAGDTNQSIEPPFSFEDGCIEEGDGLL
GALRAKLFDGKGRRVLQAVAQTTCCSTTDNVNTNNSHNETIIQGDLHRQPPASQ
VDAAAADLDSGRGSGWFNASAAVGIYAWPVVSGGLEEEGIENVLCSLNGFVCG
GINNL

>LcERF-23

METLTNRTDLQLSDVSTALSNLILTGGGNTLDSIFSHCENSSFDGGDFELAVGSS
VYLRQREVLQRFSQDRKANGSRDLFSRAYELLYSGSGAAVGGGERKLYRGVRQ
RQWGKWVAEIRLPQNRMRVWLGTYDSPEAAAYAYDCAACKLRGEYARLNFPN
LKDLKSDLGSGEFVKLSGLKKLVDAKIQAIFQKIKGKGKKSVKKKQRPGGDLG
SGSCSSSSSSVSLPPAMVELTDEWSWERVSPAGAAAEEGLWSFEESPRAVSMDC
STVTAAAGSETECYSLEKMPSYDAELIWEVLAN

>LcERF-24

MELELGASNWVHDCLEAAAKTGNPCGFWRRKRLDSAVLVFQVLENVRDRFGL
LSLENFRRRRSVLYILEGFKGKGWGRLAGELSVVLVGHNKLGKTLKGPIQNVD
LRKEMKDHPEKEGGFNIETSWFSIKEAIQKEIAIRWTFKPFYANLAVGGWVTTL
DISSFLQSKSLILAVASLCGGIKEDREMEGDEISMKEACFEAKRNPDGFIPVVSYL
RHGGCFFPVRLVVGNQSENEKLKLDGDRSGKAERVVLHLPKEAVVGGQMIQE
DRDHVRLTGEETGDKKEDNAGNFGFRNGPSGLKVASPIRILQRGQPSLG

>LcERF-25

MADQKLPINDTQIDQSLPHQPLPSNSKPISIDPFVSSVPTCQNPNPNPNPKSQEAE
EQILVKKLLPIPLPLPPPSSSMASSTITSSSSSSSSSTKRHSLYRGIRCRSGKWVSEI
REPRKTTRIWLGTFPTAEMAAAAYDVAALALRGGDAVLNFPSSIASYPVPASTSP
VDIRSAASTAAAATAANASKKARACSSSNIEDATTVGGGGDCSNTTSLGMEEFV
DEEEIFGLPSLLADMAEGMMVSPPRMNSPPPSDDSMENSDGTESLWSYF

>LcERF-26

MYQSTKTESEFAFLDPIRRHLLGESEVSAAVGAAVPGGRPTPVFTRTGSFSSLIPC
LDDNWGDLPLKVDDSEDMLLAAVLRDAVGAGWVPSLNPSAFGSCDFEFAAVK
SEPEVLPVSFPPVLPNVAVKPVVVPEKGKHYRGVRQRPWGKFAAEIRDPAKNG
ARVWLGTYETAEDAALAYDRAAYRMRGSRALLNFPLRINSGEPEPVRVTSKRS
SPELSSSPKRRKKVSSAVEGGGVQVEQQVASFTHGGQLFVSHC

>LcERF-27

MVSLRRRKLLGLCTGKGSFVAPVSKFSENLTAEDHVHCTNFVSVHPICSDEVNK

IKENPIANIEPEPSRVSVLDTSKEKVDEPIADLPVKRRKRHRRKNFPDEPRGVYF
KNMKWQAAIKVDKKQIHLGTVGSQEEAAHLYDRAAFMCGREPNFELPEEEKK
ELRKFNWDEFLAMTRHAITNRKQKRLSPESKKSKLPSPWNDDSNKRHDEFSDL
SAIEDVEPVASTS

>LcERF-28

MESSYFSFSDSDFSTESSFGSPESWSEFFSIHSALENSISLPDEFLGNRMSESESKI
VVKEEIEVSSIDFEEEKERKTTEKSYRGVRRRPWGKYAAEIRDSTRHGVRVWLG
TFDSAEAAALAYDQAAFSMRGEMAVLNFPVEMVRESLQDVEYRLEEGCSPVV
ALKRKHSLRRKSAAAAAKSQGVAEKKKMKKKNNVVILEDLGTEYLEELLMLS
SCESSSSISPF

>LcERF-29

MGSLRRRDTQPLEEDPCRLGTFDTLEEAALAYDGAARSLRGSKAKTNFPPPLSA
AAGLSLDLNVSGPTSYHWPTAAAAAICSPSSSSARLVLSDFLRHDARNDLCNVN
VNVEVSPATKRLAPVLMDSSAPAASATASFIGHVRRGLPFDLNEPPPVWL

>LcERF-30

MTKPSSPQKSAAADTSDSRYKGVRRRKWGKWVSEIRLPNSRERIWLGSYDSAE
KAARAFDAALFCLRGRSARFNFPDNPPEIAGASLLSRAEIQSVAAQFANSDPTPS
SEYTRPTTDSPTNSPSPSVTTAVIECDERSPFLDLHTDIVPDNYGSDFGLFNEYNP
FYNELFSSSATPSFDYGDENFDAMTTHQDSFLWNF

>LcERF-31

MVAKEKSTTKKLPFLCNADNNGKELHFRGVRKRPWGRYAAEIRDPGKKSSIWL
DTFDTAEEAASAYDTACEDERRRLISDPDSDMELIGRARTRDDNSFQTLSSLGV
RDGFRPRFLAETVGAARISRRLLDLRRPPTQDMFLTSPLTVTIISVFDFSSVSPARS
AATGSFSFQICVSDKLLS

>LcERF-32

MPKFKKFRGVRQRHWGSWVSEIRHPLLKRRIWLGTFDTAEEAARAYDQAAIL
MSGRNAKTNFPTTQAPNGDTNVVTAKDSPKGLSEILQAKLKKCCRTPSPSMTC
LRLDTENSNIGVWQKSAGQRSASSWVMTVELGNKKSHDNDMDSPMAVVGSD
ESLVAEEVAEIRSELDEEERMVALQMVEELLHINYGDPNELFEIQQGKDVYL

>LcERF-33

MAATQSSKPSPQPPNPFNSNTQPTTDHNQEISHGRTRFLGVRQRPSGRWVAEIK
VSSQKLRLWLGTFDRAEDAAMAYDRAARLLRGRSAKTNFPYDHHHGFFNSTI
NEQARSLFGHSPKLCRLLQHAIMKNRSRSRSTTADYHDDQQQQPKINNGFIDSV
VEDTIFCSSTTNLSESNKGCGFYFGSSKVYTSVFVAPSFSSDVRSEVEEGEMMNP
SSMEALI

>LcAP2/ERF-34

MNSSSSSSSSSSSASQNWLAFSLSNNPNSLSLFHHPTDISIFSAPAPKLEDFLRAA
SAPPPQPPFQFSAHHTPPPSFCDQSDQICDSDLKTIAASFLRGAPTQLPDQQIQHL
HAPPPPAPQPDTPAPPPKKAVDTFGQRTSIYRGVTRHRWTGRYEAHLWDNSCRR
EGQSRKGRQVYLGGYDKEEKAARAYDLAALKYWGPTTTTNFPVSDYEKELED
MKNMTRQEFVASLRRKSSGFSRGASIYRGVTRHHQHGRWQARIGRVAGNKDL
YLGTFSTQEEAAEAYDIAAIKFRGLNAVTNFDISRYDVKSIASSNLPIGGMSGTK
SKTTSDSATSDGGSRSTEERDVHHSPASSTATLISSQPNNSTLSFAMPIKQDPSDQ
YWSMLGYNPGAFNTNLPKPENIPPSSSSSMTVFQQSSNTGSTMFPAIADLPSSGS

PLTEGSVYSGMYVQQQQYATPIALSSGISIEIGQSMRGFEAHAKPSLFQTPIFGIE

>LcAP2/ERF-35

MKPIKDGTNRERTTSMAGSNFTMNTSQKWKVKKTISVDLMTKSTSQQLEIRDS
NNNVNKNVVMKTKTKRTRRSVPRDSPPQRSSIYRGVTRHRWTGRYEAHLWDK
NCWNESQNKKGRQVYLGAYDDEEAAAHAYDLAALKYWGHETILNFPLTTYQ
KELKEMEGQSREEYIGSLRRKSSGFSRGVSKYRGVARHHHNGRWEARIGRVFG
NKYLYLGTYATQEEAATAYDIAAIEYRGLNAVTNFDLSRYIKWLKPSNDVVYEN
NHVLTVDSILPSPKQELDLGLFPSDQNQTSTDSAMAEPIALPPSHRSTTSTSALG
LLLQSSKFKEMIEMNSATECPSTPSSSEQNERRPCLFPDDVQTFFACDGSGSYCY
GEGDDAIFSEFNSFVPPPLSHYDFDD

>LcERF-36

MYRTYLRYRIIYLCCHRYPGQVGKSGQLCDVALTLKTSVCSSVFIPMQWVSVQ
RDRVGIGCSVERNPIHARLFALKRRSKVEKVDPKHGKRPFSSDESEEENPFPIYS
ARSQHDMSAMVSALAQVITSGSRSPVEANNPTTTTTTTTWAQPQAAADHEEQS
TSRTMMRRHYRGVRQRPWGKWAAEIRDPKKAARVWLGTFDTAEAAALAYDE
AALRFKGTKAKLNFPERLVQPPTPLHYAPLHNHNVHLQYTTPYNNPFIFNHQTS
SSSATSDPDSQLPSPSQDHKHHI

>LcERF-37

MEIHFQSPETHGGAATSMGKSSKFRGRSRGNNANKFVGVRQRPSGRWVAEIKD
TTKKIRMWLGTFETAEEAARAYDEAACLLRGSNTRTNFIPQISTNSPIASRIRTLL
NSKKTQNLKPLENPAAAVAAVPTIQDDRLFDGAYKPDMTNCLEETEMGSDFCC
DSSCSESCSSDSSRLGASGGGFVDGFSMAQEVMKLPENTEDLELSAFERMKVE
RQISASLYAMNGVQEYMEAVHEASEAIWDLPPLCSLFC

>LcERF-38

MAEDGCFVAFDCREKTSRKRRNGGYGSVVDTLNKWKKLNNQLEDLAKDGVE
EIRRVPAKGSKKGCMRGKGGPQNSDCNFRGVRQRTWGKWVAEIREPIASNSRV
KKKGSRLWLGTFATAQQAAVAYDEAAKAMYGPFARLNFPDLSSSSSLKPTTTEL
SDTVSPVASSSSSSFNGLSAEKVNCCHSMDKQENCEYESMEELKVEVEETARSR
INYTDAKPNSSYDFDIGNRLTEGNIKEGLADDIRSRDINTDELSFRLEAMDTNGC
NGFNDCNQYMLQKLQSNPYARTYWIPEWKISDLELPPMVMEGKPTEMESYGD
CMAFNRDLSLLLDRQKHMGVGDQRVDDCNFEFLRPDYDFGLEEERKWLDSCF
HG

>LcERF-39

MLDLNLCILSRESASGSADLSPFKLSGAGVESPISSSVVNADHSNTTGDEDSSSN
ADCGFTFSFSILNNNDDQRDRAARFPPVAGVCSQRKWLDSDFVRANNRIVVQQ
SVHPVKKGRRGPKSRSSQYRGVTYYRRTGRWESHIWDSGKQVYLGGFDTALS
AARAYDRAAIKFRGVHADINFNISDYSEEIKQMSNFSKEEFVHILRRQSTGFSRG
SSKYRGVTLHKCGRWEARMGQFLGKKYVYLGLFDSEIEAARAYDKAAIKYNG
REAVTNFDQSSYEMEIAFESENPGMGDIDLNLGIAPPACPSEEQRDNLNGCAPNF
FGFKKSDHYSERSGVMLENHASVAVRAHPSFIRTANFFPTYQERAMEKRIEVES
LPNWGWHIPSPYGGATSAPFFSTAASSGFPSSPAVPPPSPHHLLPAAPPFLRYRIPP
DIPASNSLPHFYCRT

>LcERF-40

MYFSKSKTPNWATSGTTTPRYRGVRRRSSGKWVSEIREPRKPNRIWLGTFPTPE

MAAVAYDVAALALKGPDADLNFPNSASSLPVPASTSARDIQAAATSAAAAIGAA
AAAMGLDGNPVSTSGEKEEEDGGCVGEEGEGFVDEDMIFDMPNILMNMAEG
MLLTPPSFNFNINAPNDFDYAPTYAQDTLWNFP

>LcERF-41

MADPEDTRVSEMMFLGFSRDMEMSAMVSALTHVVAGDVPETEAYYNSGWSSS
SVSASAAPYGSAYCGGGYKRSRELAAEDGGSVSLRGFDGFSHGGSTSSVISGDS
SNAVIIRPQAGTTALENSVFEYGGEIPTTAEQPPARRKYRGVRQRPWGKWAAEI
RDPYKAARVWLGTFDTAESAARAYDEAALRFRGSKAKLNFPENVRLRQLPTTE
SPATHFSNSNSTNTLLAIPTNSEPIVHSQPIPSLQSSSDASPVNFLNFSDAQLQRPI
DMYSEINFSSSSAMASPFHSSSVGLSNSQFSSSSSSSPAVSLSFPSQSFSGRRRGA
GDEEHYSDWSEFFNDAASSG

>LcERF-42

MSASSGDSDAAPFRSTCKLALEDEHSIMVSALTHVVSDGRIGLTHTQYQLLSAF
DNDHNNNDRSTFYYSNGFPASELWFPSGDTCEVCRIVGCLGCNYFQEANNNDN
DNDNDNQNVVLVEEAKDEKGMIVGNKKKRRMKRTFRGVRQRPWGKWAAEIR
DPRRATRVWLGTFDTAEQAARAYDRAAIEFRGDKAKLNFPASDYQTTEQDEEE
KPNLEIQK

>LcERF-43

MDGGGEPVRDGTRKRGVDNHRPYKGIRMRKWGKWVAEIREPNKRSRIWLGS
YSSPVAAARAYDTAVFYLRGPSARLNFPELLAGEGRGISAGGGGGGGVDMSAA
SIRKKATEVGARVDALESSLGHHQNQQHQHSHNNRSHHHPNASASPPEMKGCS
GFLDRVDLNKLPDPEEEDEEADGEFEWERH

>LcAP2/ERF-44

MNNVNGNNCNWLGFSVSPNVNMELSSSSATAVSSSIPANLFHSPSQHNYGICYG
VDGEHGGFYSPLSVMPLKSDGSICSMEALSRQHPQVVSSSTPKLEDFFGGATMG
SHHYESNDSVAMALSLDSIFCHQNPTHEPNNQPFAHFSSLRSREMMLQDSKVIL
PDGCNMQQQQQHPTVAESEISGMKNWAVPRNYAATNNSSFEQKMVSCMSENG
GESGPINAMAYGDLQSLSLSMTMSPSSQSSCVTATQHVSPALADCSAMDTKKR
GHEKLDQKQIVHRKSLDTFGQRTSQYRGVTRHRWTGRYEAHLWDNSCKKEGQ
SRKGRQVYLGGYDMEEKAARAYDLAALKYWGPSTHINFPLENYQKELEEMK
NMSRQEYVAHLRRRSSGFSRGASIYRGVTRHHQHGRWQARIGRVAGNKDLYL
GTFSTQEEAAEAYDIAAIKFRGMNAVTNFDITRYDVERIIASNTLLSGDLAKRKQ
QPEFDNESLRQSPPTHNSNSEAMPLPSQSSQSESDWKMALYQSSQQLIPKPRLLS
AINDDGSQLGVEDSTKMGAHFSNASSMVTSCSLSSSREESPDKTSLSMVFGMP
QSTSKPFAASASNMNSSWIASAQQLRAANCMSQLPVFAAWTDT

>LcERF-45

MAAAIDFYSGISTPVYSSDPFSEELMKALQPFMKSAISTSSSSSSSSSTLSFPPSP
SVSSQPNLSPDFCSPSSTRLFSQGFSGIEQMGLEQSGPIGLNNLTPSQILQIQAQIQ
LPPQTMSSFSASSSFQSSQYHNFIAPKSISMKHIGSPPKSTKLYRGVRQRHWGK
WVAEIRLPKNRTRLWLGTFDTAEEAALAYDKAAYKLRGDFARLNFPHLKHQFG
DFKPLHPSVDAKLQAICQSLKQGKTEKLCSAEDEKPTTTPPPSESNLVVDSFWEP
ALKSELETSSSSSSSSPSRSEDFSTGSSPESSIISFLDFSDSQWGEGEAFCLEKYPS
VEIDWAALNQLAESEC

>LcERF-46

MAPKEKAVAVKANVGNVKEVHFRGVRKRPWGRYAAEIRDPCKKSRVWLGTFD
TAEEAARAYDNAARDFRGAKAKTNFPLPSDDLLNLNNKINNNINNNQSPSQSST
VESSSREQALMVDSSPLNLNLGHGIGGLSAAGAISFPFQRYQIPVIGDVFARGMP
PSNHVLYFDAALRAGMIKSHPHQNQRLRFDPHHEAVSDFRREFAGGCGGGGVQ
SDSDSSSVVDMNGQDLKPRGGGGGVDFDLNFPPPESA

>LcERF-47

MEVLERLPSLGRWISMGAEAWEELLDGIVPVSNTEQSCHENLENTPISRSGFDV
DRRRAEKAVATKHYRGVRRRPWGKYAAEIRDSTRKGARVWLGTFNTAEEAAL
AYDKAALRIRGPKAHLNFPVETVTEATGMHMSTNDDHLDILMPSFQGYDSASY
SPPGSHGSLSIISKRSTREWEDNFNFNTIDFEQPAPKRKASMNNMFYDDFDVFEF
QDLGSDYLDNLLSSL

>LcERF-48

MCGGAIISGFIPTTRSRRVTGEHLWPNQKKPGFGNQLSKPVKSDVIDVDDDFET
DFQHFKDDSDLELDEEELVDVKPFAFSAGGNPAVLSARASKSVEFSGQAEKSAK
RKRKNQYRGIRQRPWGKWAAEIRDPRKGVRVWLGTFNTAEEAARAYDAEARR
IRGKKAKVNFPDEAPRNGGKRSAKANLQEPLAKISLAKTQPNLIQNNDFVNNS
DEEYYSAMGFLEEKPLTNQLVNMNSFPANGDGAIKASPPSSDVAPVYFNSDQGS
NSFDYSDFGWGEQGAKTPEISSFLSAAMENEDSHFVEDASPRKKVKYSSENMV
APQGSEKTLSEELSSFESEMKFFQMPYLDGSWDASMDAFLVGETGNQDGGNS
VDLWTFDDLTAMVSSVF

>LcERF-49

MANPNNSNPQNKSISFPTTPTPPLSSSSPFTRPVSGAGAAQPDRRPSGKRTRDCN
KHPVFRGVRKRSWGKWVSEIRQPRKKSRIWLGTFPTPEMAARAHDVAALSIKG
DSAILNYPELAEFLPRPASLMPHDIQAAAAKAAAMVTSLPSEEEELSEIVELPNIE
DDFGTESLNEFKLVTESWEWWEYVAMPLAAEFGGGYFSDQTAADDSFFPTSFY
GAHWD

>LcERF-50

MFSDQPIHSLYKAYFQTQFSHSPSPEFQLDGIAAVVGWKVLFGDIPPSASGSKPA
VATGQRSYRGVRKRPWGRWSAEIRDRIGRCRHWLGTFDTAEEAARAYDAAAR
RMRGSKARTNFEMPLVVPVESTSSSSTSSGKAKRNRNCNPSKVAKKTGRQCSV
VTSAAHLFSPGMELDLKLGVDFVNS

>LcERF-51

MARPQQRYRGVRQRHWGSWVSEIRHPLLKTRIWLGTFETAEDAARAYDEAAR
LMCGRKARTNFQFNPNDQQSSSSSSSSKLLSAALIAKLHKCHLASLQIAKKHVQ
KQHLGFDPNYAAYGGPPPSIAGTSSGGWLPEETWVYSDEAQMESNNINNNNIH
HQQCLQPLEDDHIEQMIQELLHLGSFEIVT

>LcAP2/ERF-52

MAKISHPPHKNSISSTSDPHSSPIHQRKPLKRTRKSVPRDAPAQRSSVYRGVTRH
RWTGRYEAHLWDKNCWNEGQNKKGRQVYLGAYDDEEAAAHAYDLAALKY
WGTETVLNFPLLTYQDELKEMEGQSREEYIGYLRRKSSGFSRGVSKYRGVARH
HHNGRWEARIGRVFGNKYLYLGTYATQEEAATAYDMAAIEYRGLNAVTNFDLS
RYIKCLRPGERNIPNNDRPPSPNAGETTSEFDPKSPLGFTCPSQCSNSGQPATAPL
PEPGGEDSSSSSAALELLLRSSKFKDILERTSTAEAPQTPPESDRPRRCIPDDIQTY
FDCTPQDSGDIAGSDDGLFGYLNSFFPSSVFHCELDA

>LcERF-53

MDDRRQRAPEIDGGDRCVKYRGVRRRPWGKFAAEIRDSARRGIRIWLGTFETA
EEAARAYDRAAFRMRGQLATLNFPEEYPLMNVSSSESQSTSLRDDETERKEESV
FEFECLDDKLLDELLDFHKEINSK

>LcERF-54

MEGRRSTNEGKRSTNEARYRGIRRRPWGKFAAEIRDPSRNGARLWLGTFDTAE
EAARAYDQAAYAFRGHLAILNFPNEYQSGNPNLAAAFGASTAAPSSSATAISFG
GNYSGNNASRGSGEVIEFEYLDNELLEELLQSEGEGYNRKN

>LcERF-55

MSVENDPFGYQENFLNPHLSFDFNYLEEMLLADMLATSVGGTSSSSDSSSCSSPI
VQVKEELEEGSVSDVVVVLDDQPQQEERAYRGVRRRPWGKYAAEIRDSTRQG
VRVWLGTFESAEAAALAYDQAAFCMRGALATLNFPVEVVRESLREMKYRWEA
GCSPVLALKRRHSIRRKKMAEVEKMEKKMKKKKVVVFEDLGVEYLEELLSLT
S

>LcERF-56

MAESGRKRHYRGVRQRPWGKWAAEIRDPKKAARVWLGTFDTAEAAAIAYDN
AALRFKGTKAKLNFPERVQANPADFGFLPGGGGAAAASSTAAAPAAVAPSSLAL
PPPLSHEEAFPGLHQYAQLLSSTDADFPYYSSTLLNQHPHYPFSSSSTQQHQQDQ
DPHYGNKDFGAGGSSN

>LcERF-57

MVSLRRRRLLGLCSGKSSFVAPLPKFSENGTAPENPSSSNKLVTVHPMSSDDVNI
TDRSSVVNMESSLANALDLTSLKEQSNQPISGHPLKHRKRHRRKNSHNQELSIM
RGVYFKNMKWQAAIKVDKKQIHLGTFGSQEEAAHLYDRAAFVCGREPNFELS
EEEKQELQKFKWEDFLAMTRHAITNKKHKRLSAGSPKKPGASSLQIDNTNFKH
KFIGFPVREDINPSIT

>LcERF-58

MASTHRRFKFRECRSVTGKPLPSDSAAPRIVRIFVTDTDATDTSSGDDDDDELV
RRVCRHINEIRLDYSPPSKPQRRTETETPKDVEPIKKFRGVRRRPWGRFAAEIRD
PIKRTRIWLGTFDSPEEAAIVYDRAAIQFRGPDALTNIVKPPQRNPPPEETCTFSS
SMKIDDDPAAVSGYDSGGEKREVCSPTSVLGDVDWSAAAAEEMFGEEMEFVE
YYNRPPRIFLEVTSSPETATFCGDLWDSAVDFDGNFGSCKWDVETYF

>LcERF-59

MVTASDRLHPFRRITDEQELSVIVDALTQVVSGAAADGLQFQHDRFLRLLLPSA
NDAAVFPPSSDFDTCHVCRISGCLGCNFFSAPSSHQQPTTANSNNSGRRVRRQK
KNYRGVRQRPWGKWAAEIRDPKRAARVWLGTFNTAEDAARAYDAAAIKFRG
PRARLNFPSTDTSLMTFNYSPPAASTSTSTSTAAAATAATSTLFQNEAAVAPRTSS
STKMEIIQNEVVFPEMLDEDDDLQTLIMDFSGQSRSW

>LcERF-60

MVTASDRLHPFRRITDEQELSVIVDALTQVVSGAAADGLQFQHDRFLRLLLPSA
NDAAVFPPSSDFDTCHVCRISGCLGCNFFSAPSSHQQPTTANSNNSGRRVRRQK
KNYRGVRQRPWGKWAAEIRDPKRAARVWLGTFNTAEDAARAYDAAAIKFRG
PRARLNFPSTDTSLMTFNYSPPAASTSTSTSTAAAATAATSTLFQNEAAVAPRTSS
STKMEIIQNEVVFPEMLDEDDDLQTLIMDFSGQSRSW

>LcERF-61

MPGFRRQFPIRDIYGKEEKKMKQLKEAKSISVRKVRVTFHDPDATDYSSEEDEH
VNQEAKKIVWEISVPDIRHKPSKESSQKESDDGGKIRTKTEVKESSRRTQRSSSM
FKGVRRRKWGKYAAEIRDPFQGRRLWLGTYNTAEEAAIAYQRKKHEFESMQS
MEKDSSEQLEEKKSRSLVDDTDESEEIIALFSHPSPSSVLDVCTESLCSNGLKNGI
QDFKVDQTMEHSITEECMVVLDEVEDMLKSIYEDKQSISNILEETPTPIPTPIPMP
IPPLDARELDFQVLEDNALICNDFDQFFHDMNFRDECTLYSIENGGGALDLPPM
DIEFDKEFSWFDDTLSISCM

>LcERF-62

MASTREGHYRGVRKRPWGRYAAEIRDPWKKTRVWLGTFDTPEEAALAYDGA
ARSLRGSKAKTNFPPPLSAAAGLSLDLNVSGPTSCNWPTAAAATCSPSSSSARL
VLGDFLRHGARNDLCNVNINVEASPATKRLAPVLVDSSAPAASATASFIGHVRR
GLPFDLNEPPPVWL

>LcERF-63

MLKQSHHHFLQYKSTTSSMAPRDKVKPAPLLAGVKDDVHFRGVRKRPWGRY
AAEIRDPAKKSRVWLGTFDTAEEAARAYDAAARQFRGAKAKTNFPFPVAVNDL
NLSPSRSSTVESSSHDPILDLNHDAEANANANAAGSRPPFPFHHAQFGGGGGIFP
PPNHLVFFDHPIFRKGIVKSIQNQQSGVIFDRHREKAVPSGGVQSDSDSSSIIDLN
QNDHKSRSVLDLDLNFPPPESA

>LcERF-64

MLKQSHHHFLQYKSTTSSMAPRDKVKPAPLLAGVKDDVHFRGVRKRPWGRY
AAEIRDPAKKSRVWLGTFDTAEEAARAYDAAARQFRGAKAKTNFPFPVAVNDL
NLSPSRSSTVESSSHDPILDLNHDAEANANANAAGSRPPFPFHHAQFGGGGGIFP
PPNHLVFFDHPIFRKGIVKSIQNQQSGVIFDRHREKAVPSGGVQSDSDSSSIIDLN
QNDHKSRSVLDLDLNFPPPESA

>LcERF-65

MELREEEEDDFSPLKLIQHHLLQDSDSFFTLLDFDFQSPSAFFSLPPIKLEFDDFE
YMKPSEEEEPPIQSPKSHRAEQSPQEVSSSDGGRRYRGVRRRPWGKFAAEIRDP
SRKGSRVWLGTFDSDVDAARAYDSAAFKMRGRKAKLNFPLDAGKSDPPLGNG
RKKRREMTVN

>LcERF-66

MEGKRSTNKGKRSTNEARYRGIQRRPWGKFAVEIRDPSRNDARLWLGTFDTVE
EAARAYDQATYAFRGHLAILNFSNEYRNGNPNFAAAFGSSTATPSSSATTISFAR
N

>LcERF-67

MASSGRHPVYRGVRRRNTGKWVSEIREPRKPNRIWLGTFPTAEMAAVAYDVAA
LALKGHDAELNFPNSAASLPVPASRSPSDIQAAAAASAAAALGAAAAAMEARN
GGPRRARGSSSGSNSSHGYGVRYDQEEVGGQFIDEDLIFDMPNVLMNMAEGM
LLSPPRFNNHGGDDDGDDHGDQNLWDFS

>LcERF-68

MCILIIIPKVANSSRDNNTTDQNEWLPSTMFSGFNRDAETSAIVSALTHVVAGDIP
YCRGSSAASTGILSAASPSYTSHKRARQDQDHDQQSLSRPLSIASHSSPAFTEGG
RNNVVGIYEYERERRRNATEEEGRRRYRGVRQRPWGKWAAEIRDPFKAVRVW
LGTFDTAEAAAAAYDEAALRFRGNKAKLNFPENVRLRSSPPPAAVSHHNYPPIN
LHHQMPMTSSISPSSSSSAAVSASSSSVYGSQWIGGYVGGGDGGFSVPQWTPEV

NDYSSPE

>LcERF-69

MKGGEERKNQQNQKPYKGIRMRKWGKWVAEIREPNKRSRIWLGSYSSPVAAA
RAYDTAVFHLRGPSARLNFPNFFTSADRPFPLPSDISAAAVRKIAAEVGARVDAL
ETSLRHHFHTSTNSDQTPSPSPVKLRSDSGGFSDRVDLNKLPDPEDSDGDCAST
HWTS

>LcAP2/ERF-70

MWDLNDSPDHGGTDEFEGLSSIDGDEDRAKWVGSINSNSSSSAVVMEDGSDA
DEASAGEGEPLVHRKNFSVTHPPATRQFFPLEDSDVGASSAAAGGSTTFPRARW
VGVKFCQTEPVAAVRPVAVLQPIKKSRRGPRSRSSQYRGVTFYRRTGRWESHIW
DCGKQVYLGGFDTAHSAARAYDRAAIKFRGTEADINFSIEDYEEDLKQMGNLT
KEEFVHVLRRQSTGYPRGSSKFRGVTLHKCGRWEARMGQFLGKKYVYLGLFD
SEIEAARAYDKAAIKCNGKEAVTNFDPSIYENELSTTESSSGNVLEQNLDLRLGN
SSSKQNTLSFGNHCPNVTNKIDLQTKESNPQESNIFENDNGRSYRFLQTEKMQF
PSEPIIRSPPSIETTINGCLERPVELQNLHNYSPHINQSNSQIQLLSSSNEGGLGSDE
LSLCLSEGHQWQQSGGSQQFATAAASSGFPQLQISTSPNWLQKNNGCFLERPS

>LcERF-71

MSHFKSRDNSKLSLRKTEDMDEDKEMDHNELGWSFRRRPGKPVPEETSISPRP
FKKIRDPENHDPIQPLDSTSHQSFPFLNPASSVSHASPSSARTLFPFALEPSQFPHQ
FKTEPVAPVAHRPSVLPPHNQQQLAPLASTQYGFGYPPYFMEEFASFQQRQQQQ
QHQQFLQYWNETLDLNSRAGFRPQVRPLNTTKLYRGVRQRHWGKWVAEIRLP
RNRNRLWLGTFDTAEDAALAYDREAFKLRGENARLNFPELFLNKDKEEASQTS
GGELPPQQDQDNNNLDNDIELESNNEAEAEAVTEDNIQESESAAEGVSKSQEM
VWREMAEAWLNAMPAGWGPGSPVWDDLDTTNNLLLQPQLPFANPIEQESFSS
DLQMQQFNLTSASSSSSCPMKPFFLKDED

>LcERF-72

MRRGRPSDPFTATEVPKSTVQPENPLKEIRYRGVRKRPWGRYAAEIRDPWKKTR
VWLGTFDSAEEAARAYDHAARSLRGAKAKTNFPLHPSTISIQQQIPFYQSPPDLI
DSNGFGKIECVQANRPTSSSLSSTVESFSGPRISNPLSSLSMVRRRPVQPVSPDDC
HSDCDSSSSVVDDDEVCVLASFRRALPFDLNLPPPMDVVDLTGDDLQATALCL

>LcERF-73

MFDLNLNVDSPDATQNEDSVVFFEKLPQGSGNQMDESGTSNSSIVNADTSSNG
GDDDSCSTRAGGELFTFNFEILKAGSANDVVTKEFFPIGGTVNADFGILQGHNS
ASSSSSSSRKNWINLAFDRSGSAGEGRMVQQVQPQPVKKSRRGPRSRSSQYRG
VTFYRRTGRWESHIWDCGKQVYLGGFDTAHSAARAYDRAAIKFRGVDADINF
NLSDYEEDLKQMKNLSKEEFVHILRRQSTGFSRGSSKYRGVTLHKCGRWEAR
MGQLLGKKYIYLGLFDSEVEAARAYDKAAIKCNGREAVTNFEPSTYEGERISEG
SSEGGRNMLDLNLGISPPSLDNCPKDNEGHLRFQSGPCYANDRSTMMESNADA
AVGDPPLKGLVMTSEHAPLWNGLQSRFFPSEESVTEKRLALGSSQGIPNWAWQI
HGQVNATQVPLFSAAASSGFSFSATHFPAAIHPPRQPGSIAHNLHFTSAKASLNS
PQYHHQLNPQQAPP

>LcAP2/ERF-74

MDIPFQTHEWNLISSQSGGEVPKVADFLGVSKAENETDLIGFNEIHQGNDTDYL
FPITRLVPVQQATPAINVDSTTNYDLQDNSNSLQSLTLSMGSGKGSTCETTTPDN

TSNTTVDVTPRRTLDTFGQRTSIYRGVTRYYNDSDTMLKSSVKFKLMGEDVFV
CYRHRWTGRYEAHLWDNSCRREGQSRKGRQVYLGGYDKEEKAARAYDLAAL
KYWGTSTTTNFPISNYEKEVEEMKHMTRQEFVAAIRRKSSGFSRGASMYRGVT
RHHQHGRWQARIGRVAGNKDLYLGTFSTEEEAAEAYDIAAIKFRGLNAVTNFD
MSRYDVKSILESNTLPIGGGAAKRLKEAQAIESSRKRDEMIALGSSSSFQYGSSS
TNSSNHRLQQPNYPLLQQQQPQPNLNLDHHLQTQPLLSLQNHHDISHYTHDPA
SFHHSSYMHTHLQLHHHQSDSPYGSNNHQFYGGGGGGGGYLHNHPALLHGMI
NMGGGGGGSNLETSNNNANSFNNPNSNTNGGYLGNAFGMGSTSAAANGGAP
AEEYALVKVDYDMPNSGAYGSWSGDSVQGSNNGVFSMWND

>LcERF-75

MEGSVEKQGKVVSFSGSKVGKCKDRSRKCNFVGVRQRPSGKWVAEIKDTTHD
IRMWLGTFNTAEEAARAYDEAACLLRGANTRTNFASHLSSKSTLSLKIRNLLNQ
KISLKRSSFKTNATATATATATATKLGSGYGIANVSDIADYSSKLDGAYSGFSTVT
NLEMQMFDDAERAEWSTCIGEIELGLCEFSHLWGHLPFGLDLDEPPLLTHEGLE
LPRQAAEMSSDSVQFDAYVGVNGMSEYLGDIYDSC

>LcERF-76

MADGKKTGKSKMVIDEKTQELRFPEKKIEKGKDVAVSSERQQWKPVLDDAFL
SRRPLKKFCSSEFPTPFLHSPVSSLSPPSSKIQFPFDFEASQQSTATQFNSQHPISSS
SSSSLPFPAFGSPEQQMISFSSNQQPQGFGFPPYFLGGDPVASQQRLFKYWSDAF
HLSPRGRAMMMSRLGPDGGNLFRPPLQPISATKLYRGVRQRHWGKWVAEIRLP
RNRTRLWLGTFDTAEDAAMAYDREAFKLRGENARLNFPDRFFNKDIPKTEQKT
EHKTEHKTEYTDPITEQAPPQSVVVLPPPEEEKPDVDFPASGGGSEPPEMAWGE
MEEAWFNAIPAGWGPGSAVWDHLDTTNNLILQSQIPFGSSNRQQINDSDDNQN
KQENLESASASSSSSSARMKLFLWKDED

>LcERF-77

MVAKDKSTTAKKLPSLCNADSNGKELHFRGVRKRPWGRYAAEIRDPGKKSRV
WLGTFDTAEEAARAYDTAARQFRGAKAKTNFPLPEELIDVSPHKINQSPSPSST
VESSSSSSQEKTPSPEIVRSYGVARTFPFIQPQFLHQVGSAAAAGGGVRPVLFMD
AFGRPEFVAHGYPIRFDPATVDLTARLAGGIQSDSDSSSVVDCRPAKEILNLDLN
LAPPVDA

>LcERF-78

MRRGGATDPLTAAQTVHEPVKEVRFRGVRKRPWGRYAAEIRDPWKKTRVWLG
TFDTAEDAARAYDDAALSLRGPKAKTNFPSAISAHQQIPFTQEFHDSGGFCKISN
IPVNRPTSSSLSSTVESFSGPRVSIPAPSVPKLRRKSLPPVSPDDCHSDCDSSSSVV
DDSDEYAHTSSVRRVLPFDLNLPPPLPPPHDADLSSDDLQATALCF

>LcERF-79

MTTNSHHSHPTTTTSSSSAASSSSASSGGNARKRQRSAPTSSTESESESSHSTTTK
YRGVRLRAWGKWVSEIREPRKKSRIWLGTYPTAEMAARAHDVAALAIKGRGA
FLNFPELKHQLPRPASLSAKDIQSAAAQAAAVEVPIADRDEELSQSETTTTSSVE
ETWFDLPDLVVEGSDGLLLGYDYSSCCSSPWQFGEDQELQWHWDYSHTIFPG

>LcAP2/ERF-80

MGSMNWLGFSLSPQEQQLPQQPSDHPHAAAAVPFTADDISCSAVSTVCYDNLP
SSYGVYEPFNRNNHSQDWNNMKGLGSAQSSDFSALIETQHQPKLENFLGRHSF
TDHDHAAAAAAAAVVYTNSSGNYMFQNCSLELPSDQANGGGGRANAGNGNG

NGNNSSSIGLSMIKTWLRNQPAPPQAGAKSGGDHDGAVGSANITNAHTLSLSM
NTGPPPPSQSSGSTALLLLTANGGGSGCESSSSDNKQPKSAAAELDAENGAVEA
VPRKSVDTFGQRTSIYRGVTRHRWTGRYEAHLWDNSCRREGQTRKGRQVYLG
GYDKEEKAARAYDLAALKYWGTTTTTNFPISDYEKELEDMKHMTRQEFVASL
RRKSSGFSRGASIYRGVTRHHQHGRWQARIGRVAGNKDLYLGTFSTQEEAAEA
YDIAAIKFRGLNAVTNFDMSRYDVKAILESNTLPIGGAAKRLKDIDHSDIPLDPQ
RTDDNITSHLSDGIITTTTTHYGGGWPTLACHHHPYAFHYPYATPQQRLWCKQE
HDATATAADNFFPQGGAMDSMDHSSGSSSVVYSSGSGDGYGANFLIPMGAAG
AEGSTNNNNGGLGDIGEVNLFGCSSNVDDPYHATRTTNLYNYHNSSHQLQPPP
GLQGSACNNWLPPARSVCHGGAPPPFTIWNDT

>LcERF-81

MVPSKKFRGVRQRHWGSWVSEIRHPLLKRRVWLGTFETAEEAARAYDQAAVL
MSGRNAKTNFPMSQTTTSELEKPDKIHSPSSPKGLSEILHAKLRKCSKAPSPSMT
CLRLDTENSHIGVWQKRAGQRSDSSWVMTVHLGKNNSSAAVAAAASGGNDD
GGRLRNNNNNGSFSNLSSQGGAPMAAGGPHMRSLQMDEEERIALQMIEELLSR
NYSNPSDIHDQGEPSFYPL

>LcERF-82

MADATVPETDSGGANSSFSPSSSSSSSALSPSRSISSLPKQGGARAKRGREISSSN
NNNSRHPIYRGVRMRAWGKWVSEIREPKKKSRIWLGTFATPDMAARAHDVAA
LTIKGNSAILNFPELAASFPRPASSSPRDVQSAAALAASMQLPNVPRPPPPPVPPS
SPPSPPSSPPFSSSSELDESTPEELSEIVELPSLGTSYAELTESVTEFVCDEWLYSYG
PWYQNQSTKEEEEEAYEYFREQMGMAETECVIPAAFQPFSW

>LcERF-83

MASNSNTACETKKYKGVRRRKWGKWVSEIRVPGSQERLWLGSYSSPEAAAVA
HDVAYYCLRRPSNLDHLNFPPMVLPLTNHLLIRDDMSPGSIQKAASDAAMAVD
AQYICNNLPDRGSSSGAGAGLFHGSGDENYTAPHDQDRDLSIEDYL

>LcERF-84

MDDHSPSSSLPHPTRDPSSSSSSPKQQSPNPNPNPNPNPSSPPSNGARKRKGKGG
PDNNKFRYRGVRQRSWGKWVAEIREPRKRTRKWLGTFSTAEDAARAYDRAAII
LYGSRAQLNLQSTSPNSSSSSHSSSSQSSSRSSSSAHTLRPLLPRPAAFSFSSMASS
LPIMPSHQSSSSSYGVYPSAGFSLMCPNLVHQYPPQLPQHPHGFSPPPNEIQVST
TSTSAIATPSSSSTTTSYQQNPNPVFAGSPQINTATPVAPPVVSDLVVGPIGPGSPA
VGWPLENDEDYLPCLWDYGDPFFFDL

>LcERF-85

MASTREGHYRGVRKRPWGRYAAEIRDPWKKSRVWLGTFDTPEEAAHAYDGA
ARSLRGAKAKTNFPPPIKTGSLKDVSCPVNADLSLSTNRESPFLVSLGANESASH
PEESEPSTTTSFLGIVRRGLPFDLNEPPPYWL

>LcERF-86

MCSFKVANRRGIGSDLAQFPSGGGGDGDGDGAGGSDNRQRLLYGQLNDGDYY
SAAGEVSAMVSALSEVVSGQGAGEWGYGGGQVFTTGFVSSSSSSSSASTSASA
SSPLSAYSSGSEPSYVSAMSSCPGYWVGQKRMREEETAQTQPNFDSLSRVYDHF
SQSQGQSSSAVITTVKEEVSIPYPVASNPAAVIVASPMTSNEAAAGERRRRYRGV
RQRPWGKWAAEIRDPHKAARVWLGTFDTAEAAARAYDEAALRFRGNRAKLN
FPENVRLLPPPQHTPAAAYSAVAPQFVPPRTAAFQTQNYRDYIEYSNLLQNSGEL

LGQPSSLLQQMFYNAQLAPFQSSSAPAPGPSPSPSLSSVSNSVFFPPPPPQQQMG
FFRPPPQNRNQGGSDYFPATSWNDSGGQYPSSSSG

>LcERF-87

MVKKEELANDHHHQSTPPTSTKKKYKGVRMRSWGSWVSEIRAPNQKTRIWLG
SYSTAEAAARAYDAALLCLKGSSASLNFPISSSSFAHFHNLSSNGDDNVMSPKSI
QRVAAEAAANTAFFDGNVDDAVDSIDVPPLSPPPSSSSSSSTSNNDSFMTTEPSW
FNFDDILSPKYVGQMMDGTLFDPPIIDDFYEESDIRLWSFC

>LcERF-88

MSPSPSKPKRKQPPPPETTPHRFLGVRRRPWGRYAAEIRDPSTKERHWLGTFDT
AEEAAVAYDHAARSLRGSLARTNFLYSDSPPPQPPPSAVVPDQPPLFLPLLPPTSP
PLSHQFPPAGDSPSRFFSGDGSAELPPFPPSISSELENCDYNYDYNYNYGLMESQ
NVGFECFDQSSTGIGSCFGFDSSSEYVHGPIFGSIPAVSDAGAVDFQSPAANFYFS
QS

>LcERF-89

MPEPRVFPLTNQKSFGKKSKSRPEELKMTRKIRVICNDPDATDSSSSEDEGEIETK
SLRLKRIVREIHLPLFPYHSKSIVTTTSTQSSSQDSNNGGKNPELKKKRVLGGTK
TLSTRRTASRYRGVRQRKWGKWAAEIRDPFKGARIWLGTYNTAEEASQAYESK
RLEFESAMAAAPKSNIIDSSSSSSEENEEESGSVVSQTSPAAIVEMETSSSVLIKE
DEEVIDTSLINELQMPDLGFVGEALEINLGLPELDPFFMDDIGQFLDDFTAMDDL
QIYGFDDDEPSGLPDCDFNDFGNDDISCWVDEALNVPCS

>LcAP2/ERF-90

MEAPALVLKNEENLRICWTEGQTQAMRRVKRRRREPATATAVDQTNKQTGPQQ
QTDQAPTTTTKRSSRFRGVSRHRWTGRFEAHLWDKLSWNMTQKKKGKQGAY
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SGFSRGVSKYRGVARHHHNGRWEARIGRVYGNKYLYLGTYSTQEEAARAYDM
AAIEYRGINAVTNFDWSNYMAWPKPLPPPTAPIEAHMASDPHKELCNSSSIPAED
ISLFKNHHYDADSLHSLQKQELLESCSTPLSGYAKSSSPSALDLLLRSSFFKKLV
ETNSNLSVDEADNGEEAKTRVQLDSVFDEFGDIFCDRLADVPFVCSSNKEQQES
ELHSFFNGTFHRFKAS

>LcAP2/ERF-91

MASSSSDPGFKHEAGACSAAAAGGGTAESSEVVLANDQLLLYRGLKKAKKER
GCTAKERISKMPPCAAGKRSSIYRGVTRHRWTGRYEAHLWDKSTWNQNQNKK
GKQVYLGAYDEEEAAARAYDLAALKYWGPGTLINFPVTDYTRDLEEMQNVSR
EEYLASLRRKSSGFSRGISKYRGLSSRWEPSFGRMLGPDYVNSLNYGAGDDQA
TESEFVHSFCIERKIDLTSHIKWWGPNKTRTASAGSKSSEEDKHSCAGEVGSELK
ALGQTARPTEPYEMPCLGTLHGVKKVASKVSALSILSRSAAYKSLQEKASKLQE
INNENDENENKNTVNKIDHGKAVETHTSHGGDPSERYGVAFGTSGGLPLQRNM
FPLTPFLTAPLLSSYNTVDPLGDPIHWTSLVSVLPTGLSRTSEVTKTETSSTYTLF
GSEE

>LcERF-92

MDFSNSKNNSPSPSKPRRKHQEQQPQQQETTRFLGVRRRPWGRYAAEIRDPST
KERHWLGTFDTAEEAALAYDRAARSMRGSKARTNFVYSDMPHGSSVTSIISPD
ESQLSPLFPPTPAPTSLPQTQPNHLCFTLHDPFTTSPFPGNDWPLPDSDFSPSSYQ
PVTAFMDTGIPHDDAELPPLPPDASSSYNDCATMIDWSTTSSSSSSFMGFDSNAV

LPPFPDTGTDAFGFGSSSTYFY

>LcERF-93

MCGGAIISDFVDCGKPVVDDNLWPELETFSDLLGLSLSGENYPFNQTPPSAVEN
PKQPHEVKVERAEEYEAAGKNAIKIAVAGEKKKAQKVRKSKYRGIRQRPWGK
WAAEIRDPQKGVRVWLGTYNTAEEAARAYDEAAKRIRGKKAKLNFTHPPSPSP
PPPPPLLPTQPQLPASFTPTDIELKDQISSLESFLGLDPSPPVEPTADLWWVDNLL
AYQQQNLQL

>LcERF-94

MATSKASDKAYPIYETAQSQMGFALIQRNSSPISQNGGERRGRRKQAEPGRFLG
VRRRPWGRYAAEIRDPTTKERHWLGTFDTAHEAALAYDRAALSMKGTQARTN
FIYSDTSTFHSLLTAFDVQTFSDSHSKSQPSPPSPILNQNSTPLAQSQPSIPETSSNH
HPSADDHDTSFFFSNDSNSGYLSCIVPDNCLKPPSDSTHKITQPRKSHSSTASND
LQKFSFFSSNSIDTLPFEGLDVSAMAYNAGYGSVMEEPNCSNDGVWEKQQIWE
SNGDELSAIINSSSSSMVAEDGAFHPFMNSSYGALLPQSSTCSPSVPPFGDAFDF
GYPLL

>LcERF-95

MDGSGGRGRGYVEDSAAAGGSREIRYRGVRRRPWGKFAAEIRDSRRQGVRM
WLGTFNTAEEAARAYDRAAYNMRGHLAILNFPNEYPLTSSGGGGGGFSSSGGS
SSSSSSMSMRQTEVIEFEYLDDKVLEDLLDYGEESEKRS

>LcERF-96

MEDFRKGKEQQKQGDDGIKYRGVRRRPWGKYAAEIRDPSKNGARQWLGTYD
TAEEAARAYDRMAFQLKGHLASLNFPSEYYALVMGSPPHPPHLFPSAPINNRGF
ESGGSGGGSSSSNPDPRQVIVLEYLDGRVLDDLLEQEEKKKKKNSK

>LcERF-97

MDYSGFFSPVSDFSSESSFGSPESSFVNLDHNFLPFNENDSEEMLLYGLISEGTQE
SSDAGVGTVRVKEEEVDSIGEESPKKERAYRGVRRRPWGKFAAEIRDSTRHGIR
VWLGTFDSAEAAALAYDQAAFSMRGPAAILNFPVDTVRESLKEMNCGAGDGF
AEDGGSPVVALKRKHSIRRKAISKKSKERDVRIQNMVVLEDLGAEYLEELLGSS
QSGSPCSF

>LcERF-98

MSRRIRVICNDPDGTDSSSSENERDEAKSSKSKRIVREIHFPFFPSHSSKSIDGETS
QSSSQDSNNGGKSPQLRNIRVLAKTLTTRRTACRYRGVRQRKWGKWAAEIRDP
FKRARIWLGTYNTAEEASRAYESKRLEFQTAMAAATQAPPRFKASHLLGF

>LcERF-99

MAAGRETKRSAGALSRSPARRFVGVRQRPSGRWVAEIKDSSQRVRLWLGTYDT
PEEAARAYDEAAIALRGENARTNFVSPAAGRSPEPQFSDIGVLKAKLSKNLQSII
ARTSEQSKSLKNRVSDRFTFANVFNFRSYQSVTMADLKAIDKVAVQPSIIVPHTE
ADYSGSWQSSSGDGDGFRQEGAAGEWWVDQLLEDDYYNEGTKSKRFRVSSS
VVVPPTFSGSPPSYGEF

>LcERF-100

MYQIILNHIWLCLCLCLCLSLHHQMEPFFNYIEASDSKESTFCNSSSITSHGDEEI
SDKRKQRSSEEDKNHHMFRGVRKRNWGKWVSEIREPRKKTRIWLGTYPTAEM
AARAHDAAALAIKGHSAFLNFPELAQFLPRPLSKSHKDIQAAAAQAAAATFSA
GNNRGDVGGEAAENREPLFLGSDGGERTEDSTNSPSTAAGDETLFDLPDLFVGS

SDLKDGFVYHSSFWQFCAAADHTGFRLEEPSFWELI

>LcERF-101

MGSKSKGSSSLEESDLFVLERIRRHLLEDELDNSEGSERHRHEVRGLQFRGVRR
RPWGKYAAEIRDPNRKGARIWLGTFHTAQDAALAYDRAAFQMRGAKAKLNFP
HMIASDSDSNAPARTCNRTINPSADHPPPPPPPPPLFNIVKRPRTTTHDHHLLQT
CVPFPLPK

>LcERF-102

MSSSSSEILEWIRQHLLEENDTDTEAASVAVIHSQIVDDETDSTSTSASDQIGNGT
GEQWTFKGVRRRPWGKNAAEIRDPKRNGARTWLGTFDTPRDATLAYDRAAFK
LRGAKAKLNFPHLIHSNCALLPNPLLTSTSNKRNRVLPLPTTTHTHQTSASKRRR

>LcERF-103

MDDSLFFPVKFTEHRNFTNKFSSKKHHSPENRLVRISVTDPDATDSSSDEEGEFF
ERQRVKKYINEIKIQAGCRNGLLPTCRKRPAGEGDAFRRPAKPAPATNGKKFRG
VRQRPWGKWAAEIRDPARRVRLWLGTYDTAEEAAMVYDNAAIQLRGPDALTN
FATPPPPLPEKEVEAANIPSVSGSYYDSGEESHNLSSPTSVLRFRTPSPEEPEKPQE
SDELQKPPPPPFVDDQFHECQGETSFSEEYYTDFPKFDDVFEVPSPDSPILFDEQP
LFLEESIWNEGFSEMFTNLPEDFGSPLLSSSIGQGGDDYFQDILMGSDPLVVL

>LcERF-104

MGSLHSPPARPARHPNFRGIRSRSGKWVSEIREPRKTTRIWLGTYPTPEMAAAA
YDVAALALKGPDASLNFPDSLSSYHIPSSTSASDIRAAAALAAASRRPINPDATA
ATAAADADTHQLDEAGPSSDAAADSAGEFLDEEELLNMPNLLVDMAEGMLVS
PPRMKSPSSDDSPTNSQGDGLWSYS

>LcERF-105

MASSEEFFTLEVITQFLLGDFADQNQTHFQTDFPFLHHIKLEDFSFDFQIPPPQPP
AEGSDNEMKSGVAVDPSMPKTDMSGEARHEAAVAGSAGGKGRRHFRGVRRRP
WGKFAAEIRDPTRKGTRVWLGTYDSDIDAAKAYDCAAFRLRGRKAILNFPLEA
GEPDPPAAAEPKRGRRKWRNVTKALMAMDEK

>LcERF-106

MEVQNDLFDDPNFLIFNKTPLNYSDLFSSLTDRWGDLPLKLNDSHDMIVFNSLH
DAVVFGLSPLDSLHLPDTSSAVKTEPFPTTTAEAAAAPASLVAGRGRRYRGVRR
RPWGKYASEIRDPAKSGARVWLGTYETAEDAALAYDRAAFRMRGSKALLNFP
NRIGSGDPPPLRVSARRREHDLVMPLANGGAAKRRKAAAGKEAEPVRETESRV
FQVGPKMAGLPVGEPLLVS

>LcERF-107

MSSLKRSRSTESPESYQFSLPPPYLRRISPDQELSVIVTALTSVVCGKASDSDSMA
DRFWHELQNPPPTFDCAGSASASDSFSVSATTSSISCSSTDAVFPPSVFETCSVCR
IDGCLGCDFFPPSSEDGDREKKSRKKRSKKTYRGVRQRPWGKWAAEIRNPKLA
TRVWLGTFNTAEEAARAYDKAALEFRGPRAKLNFPFTDDSLRMMNSEQQQQR
PESEISNNGSSSAAAAIGIGNEDEMWGKMAEDGADQWMSSLMTYHGGDSSDS
ASTGIWEFS

>LcERF-108

MDYKMQQELNNPQFLSDSKSAADIRTLLSNLLLSRQSTNTLDSIFSHCLPSTTAA
VNPLPEAALGSSVYLRQRDLVNKFCVENHHGCSLANLQQQQLHHHPVEISGGY
GGFPAAAKKKLYRGVRQRHWGKWVAEIRLPQNRMRVWLGTYDTAEAAAYAY

DRAAYKLRGEYARLNFPNLKDFRNLGFADCGRLNALKNSVDAKIQAICLKMKR
ERAKKSGKKLDPKNGAVSESSAAVEWCWSSEMGCSSAVSEDGFWRSENSPPPS
SSSGSAESAAAMAEAVVGEGYSSLAKMPSFDPDLIWEVLAN

>LcERF-109

MEEIDLFSSVLVPPIKYTEHRNQTKLVSPLLMGPKVVRISVVDADATDSSSDEDE
EEEYACRRVKKFVNEIAIETSPGRTSRKKSTGGKPNFRAVNRCPLKQLPAGSKKF
RGVRQRPWGKWAAEIRDPLRRVRVWLGTYNTAEEAAMVYDNAAIQLRGPTAQ
TNFTPPPVKSPAVCSGYISAEESNVDSLSSPTSVLRCPSPSTNDAVSEKIPVTTDKE
TRREESMTFPDFSFHSNSDMFFPKDIFDFQPPIPSPFGDTTFNDAVSKDDYGSSM
FINPGDDFGFGFGFGFGLSTWHMVEDSFQDISDIFGSDPLLAL

>LcAP2/ERF-110

MAPATNWLSFSLSPIEMLRSADSQFVPYETSSTASPHYLLDNFYSNNGWSNSTN
SHPKSSQLFFMDGDENNEVVKEGHHHHHHQSTPAIFTSFLHPQTHHQPKLEDFL
GEVRYSDSQTETQDSSLTHIYDHGSAAYFGDQQDLKTIAAFQAFSANSGSEVDD
SASIARTQIAAAEIPAAAHSIESSVRNELGSFSNCPTGALSLAVAQSSDTVAAAAV
VAAVDSDSSKKIADTFGQRTSIYRGVTRHRWTGRYEAHLWDNSCRREGQARKG
RQVYLGGYDKEEKAARAYDLAALKYWGPTATTNFLVSNYTKELEEMKHVTK
QEFIASLRRKSSGFSRGASIYRGVTRHHQQGRWQARIGRVAGNKDLYLGTFATE
EEAAEAYDIAAIKFRGLNAVTNFEMSRYDVEAIAKSALPIGGAAKRLKLCLESD
QKPIPNHDQTAAQCSSGSNSINFGSSIQAVPPIPCGIPYDTAAVLYHHNYFHHLQP
NAIGSSESTSPAIAASTVAPQAAEFFVWPHQSY

>LcERF-111

MASSSSKKHDHYKGIRCRSGKWVSEIREPRKTTRIWLGTYPTPEMAAAAYDVA
ALALKGCNAVLNFPDSVGSYPVPASMSPADIRVAAAAAAAASKRVDHQGERNYL
SHHQSPPSDEFVDEEALFGMPNLLVDMAEGMLLSPPRMSSSPSRQDYYSWNSG
GDENLWSYQ

>LcERF-112

MEDPLHRFQFHSQSSSSSSSSSSSSSSDIKNSITEKNSKKIKLVNDGKHPTYRGVR
MRQWGKWVSEIREPKKKSRIWLGTFSTPEMAARAHDVAARTIKGHSAYLNFPE
LAHRLPIPASSSPKDIRAAAAKAASFSNNLLDPTDDDEEDGAAQSDLNRSPSSSS
AAAAKSPGEIDDPFFDLPDLFLHPNHQMDTFCFSQFLPIDGFDSVFGRPPSPSPSE
YFAYRGSLL

>LcERF-113

MEFVNLEEAAALENIKLHLLGDLSPLPRNLASDNLCVSSSECSVSSADSSTSNCP
LTISDYFNPDEIFEFSSDFIPSESSISSNHDFFGFEIKPNVIDLTTPKSAESIEFETKPI
VFHDSSYSNSSIEVESKAKSMNQAANSNRKRANLKIALPNKTTQWINFDSTERN
NPVVVQRTKDLEAERKVHYRGVRQRPWGKFAAEIRDPNRRGSRVWLGTFETAI
EAARAYDRAAFKLRGSKAILNFPLEAANSYSEPVAAGKRRREEKVEEVVEAVA
VKKERTEEVNAADVGYLKDMPLTPSSWSMVWDGETKGVFNIPPLSPLSPHPAF
GFPQLMVV

>LcERF-114

MMYGQSNSCESDFVLLESIRRHLLGDSDALRCGNFALAGSAAPVFCRSSSFGSL
YPCLTDNWGDLPLKEDDSEDMVLAGVLRDAVRVGWVPSLGSSPPETFNFDFSD
VKPEPEILPPVNILPEVMETKVAVTAPAPAPAVVPAKGKHYRGVRQRPWGKFAA

EIRDPAKNGARVWLGTFETAEDAALAYDRAAYRMRGSKALLNFPLRVNSGEPD
PVRVTSKRSSPRSSPEPTSSLSSVESGSPKRRKKADGSAVAVAVAQAAPELIQLVV
GSNAMQVEADVAKCTSGEQ

>LcERF-115

MSIETGIHGSKKSQYIGVGRKKYGNWTAKIRHNGKQIWLGSYDEEEKAAMAY
DVAAYYLRCNESSLNFPGRVKSHPSFPAGCNFEQIAAAMKDAANRLSPVTGRL
HTDQEYWGSVLLDTHNANWMSSWSQLTLEFITSPPDPLSVGPSSPAHSSDSETL
TTMEQVVENQL

>LcERF-116

MGEPSSMGSHGAATSSYRGVRKRKWGKWVSEIREPGKKTRIWLGSFETPEMA
AAAYDVAAYHFRGRDARLNFPHLVNSLPFPLGSSADDIRLAAHEAALRLRTTPA
VVSEGGGTSGSGLAPVTVRLSPSQIQAINESPLDSPKMWMQMSSESLLMEEYSN
ATVFADDMNDEMWENMHNDSLWDP

>LcERF-117

MEPTTYRGVRKRKWGKWVSEIREPGKKTRIWLGSYDLPQMAAAAYDVAALH
LRGPDARLNFPDLADTFPRPATSSPEDIQTAAHIAALRMRMPPDSAAAGPAPVR
VGLSPSQIQAINESPLDSPTMWMQMAAEALCLEEESSGFLCDGFNDEWEDSMQ
MQHHSIWDYS

>LcERF-118

MTQAQPRLPRPGLGASGSVLKPFRGVRKRSWGRYVSEIRLPGKKMRVWLGSF
ASPEMAARAYDSAAAFLRGSSAVLNFPDSVGSLPRPESCSREHIQSAAAKAAAQ
MREMEGGERWTSGGWSPTEKTEFEQVKEAPLLSPLRLGSLGFGPTSDEEDILLL
PAYF

>LcERF-119

MCYLKVANQGGAGGYVPHTAEQTGDAGDVPEGMFSSAGELMAMVSALTHVI
SGGAAQPGYGGAADLSGVVYSSGSAAPAVAAGGSRKREREEEGESGIMWERGI
GRGFRGGVVDFRAIQTHSEPSPAILLKDEGGSSSSNTIAAATTPATTTTPAAFSGE
ERTRRRYRGVRQRPWGKWAAEIRDPQKAARVWLGTFDTAEAAARAYDGAAL
RFRGSKAKLNFPEFVTVLPPSSLPTAHLVPNPVTAPPLQPPSSHPQAAFGNYMQY
SHLLQNSGEFAGHPAAAFERVLCNSPFVNPSSLGSPSVGSSGVSNFALPFSQQQL
RYFRPPQNQNHSGSGSGGDSSAPSRTEFDYRPPAAG

>LcERF-120

MAAGNRSTSAATAASAGVEIRYRGVRKRPWGRYAAEIRDPRKKTRVWLGTFNT
AEEAARAYDTAAREFRGANAKTNFPVPNEFLDNNNNFRKSACSSPSESSTVDSS
SAPSPAPDAALARFLDGSVHAPALSPPIYFFDAFAQAEKMNDFHRTVTVAVAGG
SASDSDSSSVVDFDDARKSRPLDFDLNLPAVEVA

>LcERF-121

MVKKAEKTAAVSSPAPPCKKKYKGVRMRSWGSWVSEIRAPNQKTRIWLGSYS
TPEAAARAYDAALLCLKGASASLNFPEMASSIPISDHCHFRRHHHIDSSDAAIMS
PKSIQRVAAAAANGFPENVAAVVTPPSPAVSSPSLSSTPSDQPDDDVSVIMSSDCF
YDQFDHPTVEMESMCNYFDALQSPKYVDQMLTGAWFDFDSMPEAEIDDFYEE
ESDIRLWSFC

>LcERF-122

MAAAMDFYSEGTQTDHFGGELMEAIVPFIKVASSSASSSLSTNFLSSSSSSSSPTP

SLPSSFNSHLNFSQSAPQQSTLYSNGCSTSMNPGFSDGFSTQNLIGFEQPFTIGPH
PLSSPQILHSQPQINLLQNQTPVAFAWGQQNHQPHQPSLCYEQQAPSFLSPKPIP
MKQVASSSKPTKLYRGVRQRHWGKWVAEIRLPRNRTRLWLGTFDTAEEAALA
YDKAAFKLRGDSARLNFPHLKHQGSCIEGEFGEFRPLHSSVDAKLQAICDNLA
KPQKQGNSKKPVTAAKKSRSQSCSTAAETAAVKVENSSSLAVTESDGSAASSPL
SDLTFPDFTELSWDQHQAWENSVLEKYPSEIDWASILP

>LcERF-123

MVYSRKFRGVRQRQWGSWVSEIRHPLLKRRVWLGTFDTAEDAARAYDQAAIL
MNGQNAKTNFPASKDQSEEASQGHGSSPLSPKALSELLSTKLRKCCKNPSPSLT
CLRLDSDNAHIGVWQKRAGTRAASNWVMRIELGKKETLSPSPLPSPELASQEA
DSHRNGIDEEDRIAMQMIEELLNWNCPLPSTSS

>LcERF-124

MADRRNSGTETDDKSAQNLKYKGVRKRKWGKWVSEIRLPNSRDRIWLGSYD
KPEQAARAFDAAQFCLRGPHAKFNFPDSPPEIHGGDRLSAQEIQAAAAKFAAE
HDGDERADGGSSSSNNGDVLSTEHSFGAVDGGDCGGVWPDWDYLDGGDFGF
DNIMGGNEMIYDGDINFPVQEDMEEDEFVGGGEYFCHEANFLWNFDNH

>LcAP2/ERF-125

MTMEVTSESQQHSHYHNQSQATSVAAVSNTMSNSFLASQHYNGDLLSPLSVMP
LKSDGSLCIMESISTSQPQEILPNLSPKLEDFLGGATHGREATALSLDSIYYNQNA
EADSDRQHSLNLFKQQEQQHILFQSQRYYSGMYQFSAEDANKEAHFASYCSDI
RLAMEQRINGCYGGMNCQDLQPLSLSMSPGSQSSCVTNPSQISQSVPATIETKK
RGLPGHKQPVHRKSIDTFGQRTSQYRGVTRHRWTGRYEAHLWDNSCKKEGQT
RKGRQVYLGGYDMEEKAARAYDLAALKYWGPSTHLNFPLKNYQVEIEEMKN
MNRQEYVAHLRRKSSGFSRGASIYRGVTRHHQHGRWQARIGRVAGNKDLYLG
TFGTQEEAAEAYDIAAIKFRGVNAVTNFDTSRYNVERIMASSSLLSGEFARRNK
EHKPTNATEHKEPNQNIAQIDPSEISNNNNLDWRTVFHDNPLLDPNATVESIDQK
SMTSSSYLNHLIGVETVSCNHAMANDSSKFKAHFSNASSVVSSLSSSRETSPDK
SNASSSVLLAKAPYGSSNGGIWVPSTQQMRPAPISLPVVSTVWNDV

>LcERF-126

MEGEVCSAVSSSPTGSEKRKQRHQNNHLQQEKPYRGIRMRKWGKWVAEIREP
NKRSRIWLGSYTTPVAAARAYDTAVFYLRGPTARLNFPDLVFEEDQLHDMSAAS
IRKRATEVGARVDAIQTSLHASNSNSQISEKPDLNEYPNPESSDDD

>LcERF-127

MEEALRRLNGMPITASHFDDAVSTPDTRKKSTAAATSSTANPDRRILREGSASG
AMRYRGVRRRPWGRYAAEIRDPNSKERRWLGTFDTAEEAARAYDCAARAMR
GLKARTNFVYPPPPPQSLSDQLLSPLNFAKQSPITRHFATSANWSTFSNAHTFDH
PEPAPQKITPPSFLNMLLPHDIHASSNPNFVSSAPQFPPVDEHFHCPKSSFTPPLPV
IEKHENPIVNDDSLCDSEFIPKEPSDSGLLEEIIHGFFPKPSNNKPQNSQPLNDMSS
VVSDTNYPHSYDGFKRIYEDEQQQTGFSYNYQTGPAQFGNSNHSYGYATEEMS
FVNGLPMNVQMGIEPGNSIMENLFQYPEFLNALAAKMQNA

>LcERF-128

MISLSLSLHWGSVAALVFFFFCLLPTLLVLAEVDSTATIVFNAFETKKARQISSFIR
FLHRFLVTCSGVNRKSKLPKNFSEDPKMGRKVRIICYDPDATDSSSSEDEGEIYA
RRNPNRKNRIVHEIHLPAPRNALESESSQDSNNENKNPKLKQTKVLFKNPNSRR

PSSSKYRGVRQRAWGKWAAEIRDPFKRSRVWLGTYDTAEEASQAYETRRLQFE
AMAAEMAVEEGNSGGSSSAVSEQPVSSESTAETTVSHTSPSSVFECDDSTSQSH
DLKEGESIKEETDTNMNYLQEADQCNPFMDEINMGIEFDSILADGIGTFLEDFAS
LDDTQMFEFADDEPSGLLDWDFGDFGNDDISYWLDEPINIPCS

>LcERF-129

MPHSDLKSVGSRKSKLPKNFSEDPKMGRKVRIICYDPDATDSSSSEDEGEIYARR
NPNRKNRIVHEIHLPAPRNALESESSQDSNNENKNPKLKQTKVLFKNPNSRRPS
SSKYRGVRQRAWGKWAAEIRDPFKRSRVWLGTYDTAEEASQAYETRRLQFEA
MAAEMAVEEGNSGGSSSAVSEQPVSSESTAETTVSHTSPSSVFECDDSTSQSHDL
KEGESIKEETDTNMNYLQEADQCNPFMDEINMGIEFDSILADGIGTFLEDFASLD
DTQMFEFADDEPSGLLDWDFGDFGNDDISYWLDEPINIPCS

>LcERF-130

MRISPTPPASSCSSSSSSCVGSDFGINTKNNLFAPHRPQSDKTRAKRRRRNNQDD
SKCETHNRDSNGINIINNNNNNNNNNNASSARRSSIYRGVTRHRWTGRFEAHLW
DKSSWNSIQNKKGRQVYLGAYDNEEAAARTYDLAALKYWGPGTTLNFPVESY
TSEMEEMRKVTKEEYLASLRRRSSGFSRGVSKYRGVARHHHNGRWEARIGRVF
GSKYLYLGTYNTQEEAAAAYDMAAIEYRGANAVTNFDISNYIGRLENKSSDFQ
AAEQPEEPNYSPASSEGEVVQQQQQQQQQTTFSGPIGLQFSSIENNPTMDVME
EPTHDDHDLHWSFLDTGFVQVPDLPLEKSSELADLYFDEIGFEDDIDLIFEGSLE
SKSIDDQGNNEEDHNVGKMEMNNEKMRLFSTTTSPSSSSITTSVSCEFRV

>LcERF-131

MPRVLPLTNQKGYGKKSKLRPEELKMTRKIRDSNNGGKNPELKKKRVLGGTK
TLSTRRTASQYRGVRQRKWGKWAAEIRDPFKGACIWLGTYNTAEEASRAYESK
RLEFESAMAAAPKSNIIDSSSSSSEENEEESGSVVSQTSPAAIVEMETSFSVLIKE
DEEVINTSLINELHEQCTRISNDEEQQN

>LcERF-132

MLDLNETTTNRVVMEDSETSNSSVVNADEVCNSRDEDSSVLIFDILKRENSGGG
GASTELVTQSLFPVAGGWGETGSPVPRTHWLNLSSTADSGGGGPAELRIVQQKQ
QQVRKSRRGPRSRSSQYRGVTFYRRTGRWESHIWDCGKQVYLGGFDTAHAAA
RAYDRAAIKFRGVDADINFDISDYDEDMKQMKNLSKEEFVHVLRRQSTGFSRG
GSKLRGLSLQKYGRWETQMSQIIGKSGIEQRPYKGETMVDASNGGNGHNLDLS
IGGIFNYHLSNSSQKLNIERPKNENNVCAYGVAGQQPHIPPSVWSGLYSGFFADN
ERE REEKQRLHKDLYELGMANANVNVDGNVNSRKCK

>LcERF-133

MTLFFFSSSSLLLLYSLTVAVAGTCREAEAIARKGKMAAVAFDVAAFHFRGHGA
ELNFPERVESLPSLPPCSIEEEIKTAAREAAFCLAAATEGSGALCENGDWDWEG
GLEALEMFQWQLEKLCTANVSFILFCVLKKNWGASISLSAQAKDLLLSSQEKD
EEKKTKKKGRPAVRVKGE