

Appendix PDF

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Appendix Table S1. Sequences of expression vector cloning primers.

CbpA-F	ggaagatctatgtttgcatcaaaaagcgaaag
CbpA-R	ggccgacgtcgacttagttaccattcaccattggc
CbpC _{T4} -F	ggggagatctatgaagctttgaaaaaat
CbpC _{T4} -R	gggggaattcttaaatccactcaccagatg
CbpD-F	ggggagatctatgaaaattttaccgtttat
CbpD-R	gggggaattcctatactcgttctccatcac
CbpE-F	ggggagatctatgaaaagaaattaactag
CbpE-R	gggggaattcctactgttctgattccgatt
CbpF _{T4} -F	ggggagatctatgaagctttgaaaaaat
CbpF _{T4} -R	gggggaattcctacttaaccattcaccat
CbpG-F	ggaagatctatggttttatctaagtattatggagtagccg
CbpG-R	ggccgacgtcgacttaaatccactcaccagatgaagcg
CbpI-F	ggggagatctatggggatggcagcttttaa
CbpI-R	Ggggggaattcctagttaccattcaccat
CbpJ-F	ggggagatctatgaaaattttgaaaaaac
CbpJ-R	gggggaattcctaccgaaccattcgccat
CbpL-F	cgcggatccatgaataaacgtctattttcaaaaatgagtctgg
CbpL-R	ccgctcgagttaatcatctaaatgatcaatggcatattgagc
CbpM-F	ggaaggtctatggtaaaaagacgtataaggag
CbpM-R	ggccgacgtcgacttaacgcaccattcaccattatc
CbpF _{R6} -F	ggaagatctatgaaacttttgaaaaaatgatgc
CbpF _{R6} -R	ccggaattcttattgaaccattcgccattatag
LytR-F	ggggagatctatggttaaaaaattattgg

LytR-R	gggggaattcttaattatcttcacaccaa
CbpC _{T4} -R to 150aa	ccggaattcttaattattatcaaaataataagttctcttttcagc
CbpC _{T4} -R to 220aa	ccggaattcttaatctgtaagcatcttacctgaagc
CbpC _{T4} -F from 152aa	ggggagatctgctgtaaagacaggctgg
Human Atg14-F	ggaagatctatggcgtctcccagtgggaa
Human Atg14-R	ggccgacgtcgacacgggtgtccagtgtgaagcttt
Human Atg14-R to 70aa	ggccgacgtcgacttagcggccgtcgaagtagacgaaatc
Human Atg14 CCD-F	ggaagatctgaccgggagagggttatecgacaag
Human Atg14 CCD-R	ggccgacgtcgacttaggtcttttttaccagggtcacc
Human Atg14 ΔCCD-F	attgacttaagaagtcattatgagcg
Human Atg14 ΔCCD-R	acttcttaagtcaatgcggccgtcgaagtagacgaaatc
CbpF _{R6} -F from 28aa	ccggaattcaataccacaggtggccgatttg
CbpF _{R6} -F from 72aa	ccggaattcggttggaataacttagaaattcctgg
CbpF _{R6} -F from 116aa	ccggaattcgataaacaagtactagaggc
CbpF _{R6} -R to 27aa	ccgctcgagcgcaaataccgtattgtagctagc
CbpF _{R6} -R to 72aa	ccgctcgagaccgacaaccatcttccaatatcacc
CbpF _{R6} -R to 116aa	ccgctcgagtgtttgttagcaaagcacc
CbpC _{T4} Δloop-F	acttaggtccaagtgggtactattttggacaagatg
CbpC _{T4} Δloop-R	acttggaacctaaagtattgccaaccgacaacc
CbpF _{R6} Δloop-F	cgcggatccaagtgggtactattttggacaag
CbpF _{R6} Δloop-R	cgcggatcctaagtattgccaaccgacaacc
CbpF _{R6} Y83A-F	ttggcaataacttagaaattcctggaacaggtgctcgatgataatttatcg
CbpF _{R6} Y83A -R	tcgaataaattatcacgagcacctgtccaggaatttctaagtattgcca
CbpF _{R6} E95A-F	cgataaccaaccagttaatgaattggccttcaggaga

CbpF _{R6} E95A-R	tctcctgaaggccaattgcattaactggttggttatcg
CbpC _{T4} -R to 188aa	ccggaattcttacttagcaacttcaccaattgg
CbpC _{T4} -F from 189aa	ggggagatctggttgactcaagattttcatg
CbpC _{T4} Δdp5-F	taaagacaggttgactcaagattttcatg
CbpC _{T4} Δdp5-R	tccaacctgtctttacagcataattattatca
CbpC _{T4} Δdp6-F	ttgctaaggattggcaaaaagtaaaccggaaaa
CbpC _{T4} Δdp6-R	gccaatccttagcaacttcaccaattggtagt
CbpC _{T4} Δdp5&dp6-F	taaagacagattggcaaaaagtaaaccggaa
CbpC _{T4} Δdp5&dp6-R	gccaatctgtctttacagcataattattatca
PcpC-F	ccggaattcatgaagctttgaaaaaatg
PcpC-R	ccgctcgagtacttaaccattcacc
CbpC _{T4} , dp3J-F Insert	ggttggaataacttaccgtttccatctaaaggtag
CbpC _{T4} , dp3J-R Insert	aaaatagtaccactttgactttggaaaaccttctaa
CbpC _{T4} , dp3J-F vec	aagtgggtactattttggacaag
CbpC _{T4} , dp3J-R vec	taagtattgccaaccgacaacc
CbpJ _{dp3C} -F Insert	ggctggcaatatatcgaaattcctggaacaggta
CbpJ _{dp3C} -R Insert	gaagtagtaccactcctcctgaaggccaatttca
CbpJ _{dp3C} -F vec	gagtgggtactactcgataaaaatg
CbpJ _{dp3C} -R vec	gatatttgccagccgacaacc
PcpC _{dp3C} -F Insert	ggctggcaatatatagaaattcctggaacaggta
PcpC _{dp3C} -R Insert	aaaataaaaccaatcctcctgaaggccaatttca
PcpC _{dp3C} -F vec	gattgggtttattttggtcaag
PcpC _{dp3C} -R vec	tatatattgccagccgacaacc
Human Beclin1-F	cgcggatccatggaagggtctaagacgtcc

Human Beclin1-R	ggccgacgtcgactcattgttataaaattgtgaggacaccc
Kozac-HA-Atg14-F	ggaagatctgccgccaccatgtaccatacgaatgtccagattacgctatggcgtctccagt gggaa
Human EGFR-F	cccaagcttgccgccaccatgcgaccctccgggacggc
Human EGFR-R	ccgctcgagtgtccaataaattcactgc
Human UVRAG-F	ggaagatctatgagcgcctccgcgtcgg
Human UVRAG-R	ggccgacgtcgactcacttatcggaactcctgc
Human UVRAG CCD-F	ggaagatctcatagagcccagtggtgcaat
Human UVRAG CCD-R	ggccgacgtcgactgttgcttatgcagtaatg

Appendix Table S2. Design of the siRNA for knockdown and primer sequences for RT-PCR.

si p62	acaucgauaucaacucaaugcc
si Atg5	tattctaaagggatataacgaa
si pIgR	aagctacaggacagacattag
si Luc	aucguacgcggauacuucgadttdt
check for human p62 KD-F	cagcttctggtccatcgag
check for human p62 KD-R	ggactccaaggcgatcttcc
check for human Atg5 KD-F	tgggccatcaatcggaact
check for human Atg5 KD-R	tctgttggtgtgggatgat
check for human pIgR KD-F	ctccaccctggtgccctggg
check for human pIgR KD-R	cctccttgatgaccttttgc
check for human beta Actin-F	gctcgtcgtcgacaacggct
check for human beta Actin-R	caaacatgatctgggtcatcttctc

Appendix Table S3. Sequences of primers for deletion mutant construction.

CbpC _{T4} -N-F	gctcaattgcgtgtagcctc
CbpC _{T4} -N-R	cgtacgctagcaattgtacattacaaaagcttcattttatatactctcc
CbpF _{R6} -N-R	cgtacgctagcaattgtacattacaaaagttcatctatatactctcc
CbpC _{T4} -C-F	aatggactaatgaaaatgtaaatttaactacatctggtagtgatttaa
CbpC _{T4} -C-R	cgggcgtttcggtagcagttagc
CbpF _{R6} -C-F	aatggactaatgaaaatgtaaatttaactaggcgaatgggttcaataatg
CbpF _{R6} -C-R	gacctcattttgtagctgacc
<i>erm</i> -F	tgtacaattgctagcgtacg
<i>erm</i> -R	tagttaaatttacattttcattagtcatt
delta <i>cbpC</i> for check-F	<u>cgtcaagcccttactctc</u>
<i>erm</i> mid for check-R	gatctagagctcgaggatcc
CbpA-N-F	cagatgctaccagggtcgtcatg
CbpA-N-R	cgtacgctagcaattgtacattaggcaacagctacactagctactccaatac
CbpA-C-F	aatggactaatgaaaatgtaaatttaactagccaatggtagtggttaa
CbpA-C-R	cgatgagggcgaaaaccctg
delta <i>cbpA</i> for check-F	ccaagagtgagacagagtgtcg
LytA-N-F	gacaaaagctgtacgcgga
LytA -N-R	cgtacgctagcaattgtacaccatattctactccttatca
LytA -C-F	aatggactaatgaaaatgtaaatttaactaggcttgattacagtaaaata
LytA -C-R	cttgaagctgtctctataac
delta <i>lytA</i> for check-F	aatccgcaggacttgctacc

Appendix Table S4. Sequences of primers for complemented strain construction.

Nt-F2	ctctgtttgattgctgcctg
Nt-R2	gttacacaactgcaactgcttttcactttatcggtatggactggc
Pro-F	aaaagcagttgcagttgtgtaac
CbpC-tag-R	cgtaatctggaacatcgatgggtattgaaccattcgccattatag
tag- <i>cm</i> -F	cccatacgatgttccagattacgcttaatgtacaattgctagcgtacg
<i>cm</i> -R	ttataaaagccagtcattaggcc
Ct-F2	ggcctaatactgactggcttttataagctatccaaactatacgagattggggc
Ct-R2	cagctctgtgtcgtctttgcagtcc
Pro-Ext 1	gacatgcagtcgggtctttgctacaatcgtttaggaggatatatagatgaaacttttgaaaaaa atgatgc
Pro-Ext 2	aaaagcagttgcagttgtgtaactgctttttgaggagttttatatattgacatgcagtcgggtct ttg
Check-F	cctaagtcctcttcataaac
Pro-CbpC F BglII	ggggagatctaaagtgttgaagtatga
CbpC-FLAG R6-R Eco	ccggaattcttacttgtcatcgtcatctttgtagcttgaaccattcgccattatagttg