

**Table S1. Plasmid Set I\*.**

*Fragments from parental plasmids were obtained by restriction enzyme digestion.					
Plasmid	Parental Plasmid	Inserted Fragments	Restriction Sites	Primers	Templates /Sources
P <sub>CUP1</sub> -GFP-Pho8-406	P <sub>CUP1</sub> -GFP-Atg8-406 [12]	Pho8	BsrGI, KpnI	ATGGATGAATTGTACAAAGGAGCCGGAACAAGTGACATGATGACTCACACATTACC, ACTATAGGGCGAATTGGGTACCGCGCTTCACTTAACGACGAT	Genomic DNA
P <sub>CUP1</sub> -GFP-Osh1-406	P <sub>CUP1</sub> -GFP-Atg8-406	GFP	SpeI, KpnI	ATATAGAAGTCATCGACTAGTAAC, GATAGATCAGGTTGTTCCATGTCACCTGTTCCGGCTCCTT	P <sub>CUP1</sub> -GFP-Atg8-406
		Osh1		ATGGAACAACCTGATCTATCG, CTATAGGGCGAATTGGGTACCATCGGCTTTGAATCCATGGG	Genomic DNA
P <sub>CUP1</sub> -GFP-Cps1-406	P <sub>CUP1</sub> -GFP-Atg8-406	Cps1	BsrGI, KpnI	ATGGATGAATTGTACAAAGGAGCCGGAACAAGTGACATGATCGCCTTACCAGTAGA, GAATTGGGTACCCTTTACGCAAGTGGTTTTGA	Genomic DNA
Vph1-2×GFP-URA(K.I.)	KT209-2×GFP-URA3(K.I.) [67]	Vph1(ORF+ promoter)	HindIII	AACGCGGCCCGCCAGCTGAAGCTTGCTAGCTTTTACCTTTCTCT, GTCGACCTGCAGCGTACGAAGCGCTTGAAGCGGAAGAGCTTG	Genomic DNA
		Vph1(terminator)	SpeI	TCGATGATATCAGATCCACTAGTGAGGACTTTTAAAAAAGCGA, TCGATGATATCAGATCCACTAGTTAAATTTTGAGGACTTTTAAA	Genomic DNA
Ypq2-2×GFP-URA(K.I.)	KT209-2×GFP-URA3(K.I.)	Ypq2(ORF+ promoter)	HindIII	AACGCGGCCCGCCAGCTGAAGCTTGGTACCAGTGTTATCACTAAG, GTCGACCTGCAGCGTACGAAGCTGTTTGCCTTTCACCAGACA	Genomic DNA
		Ypq2(terminator)	SpeI	TCGATGATATCAGATCCACTAGTTAGTTTTCCCTACGGAGTACT, CCGCGGCCCGCATAGGCCACTAGTCTCGAGCAGTTGGGTCCAC	Genomic DNA
BS-TRP1-TetO7-GFP-Pho8	BS-TRP1 [67]	TetO7	HindIII	GAGGTCGACGGTATCGATAAGCTTGAATTCTTATTACGATCCTCG, GAATAATTCTTACCTTTAGACATCGGCCGCTATCGATGTTAA	CM189 [68]
		GFP-Pho8		ATGTCTAAAGGTGAAGAATTATTC, CTGCAGGAATTCGATATCAAGCTTCACTTAACGACGATGCCGAT	P <sub>CUP1</sub> -GFP-Pho8-406

BS-URA3-TetR'-Ssn6	BS-URA3 [67]	TetR'-Ssn6	SpeI	GCAGCCCGGGGATCCACTAGTCGCCATGTTGACATTGATTA, TTGCGGCCGCTCTAGAAGTAGTAAGGATACGAAAATGCACCT	CM244 [69]
ClhN-URA3(K.1.)	UG72	T1	PstI	ACGCTGCAGGTCGTGGGATTCCTGGGTAAATTAACATCGCTAG CCCTAGGTGAGGCGCGCCACTTCTAA, GACCTGCAGATATTACCCTGTTATCCCTAGCGG	Fa6A-3HA-TRP [70]
ClhN-MET15	ClhN-URA3(K.1.)	MET15	XbaI, SacI	TTAGGTCTAGATGCGAATTAACACTGTTCTT, CTCGAGAGCTCCATTTAAATCCAATCTTCC	Genomic DNA
P <sub>ATG8</sub> -MET15	ClhN-MET15	P <sub>ATG8</sub>	NheI, AvrII	GGGTTAATTAACATCGCTAGCCCTTAAAACTCCATTGAAGAC , GAAGTGGCGCGCCTCACCTAGGGTCTCTAGTAATTATTTTAT	Genomic DNA
ClhN-HIS5(S.p.)	UG27	T1	PstI	ACGCTGCAGGTCGTGGGATTCCTGGGTAAATTAACATCGCTAG CCCTAGGTGAGGCGCGCCACTTCTAA, GACCTGCAGATATTACCCTGTTATCCCTAGCGG	Fa6A-3HA-TRP
ClhN-2flag-HIS5(S.p.)	ClhN-flag-HIS5(S.p.)	flag	NheI, AvrII, PvuI	(N/A)	ClhN-flag-HIS5(S.p.)
ClhN-4flag-HIS5(S.p.)	ClhN-2flag-HIS5(S.p.)	flag	NheI, AvrII, PvuI	(N/A)	ClhN-flag-HIS5(S.p.)
IAA17-4flag-HIS5(S.p.)	ClhN-4flag-HIS5(S.p.)	IAA17	PacI, NheI	TCGTGGGATTCCTGGGTAAATTAACATGATGGCAGTGTGCGAG CT, CGATGTTAATTAACCCGCTAGCAGCTCTGCTCTTGCACTTCT	MK43-BYP6740 [48]
HIS5(S.p.)-P <sub>VAC8</sub> -IAA17-4flag	ClhN-HIS5(S.p.)	P <sub>VAC8</sub> , IAA17-4flag	EcoRV, SacII	ATACGAAGTTATTAGGTGATATAGTGTATCGTCGCTGGAA, TCAGCTCGACACTGCCCATCATACCCATAGTTGCAAATGTAT	Genomic DNA
				ACTATGGGTATGATGGCAGTGTGCGAGCTG, AGGCCACTAGTGGATCTGATCCTAGGTTTATCATCATCAT	IAA17-4flag-HIS5(S.p.)
P <sub>ADHI</sub> -TIR1-9myc-MET15	ClhN-MET15	P <sub>ADHI</sub> -TIR1-9myc	NheI	TGGGTAAATTAACATCGCTAGCAATTCGGGTGTACAATATGG, GCGCGCCTCACCTAGGGCTAGCCTTTTTTAGCTAGTGGATCCG	NHK53-BYP6744 [48]
BS-TRP1-P <sub>GAL</sub>	BS-TRP1	P <sub>GAL</sub>	HindIII	GAGGTCGACGGTATCGATAAGCTTGGCATTACCACCATATACA T, TGCAGGAATTCGATATCAAGCTATAGTTTTTTCTCCTTGACGT TAAAG	pRS405-pGAL1-10-tc-aptA-amber-FPA-TGA-ApeI [71]
P <sub>TPI1</sub> -Dsred-MET15	ClhN-MET15	P <sub>TPI1</sub> , Dsred	NheI, AscI	TGGGTAAATTAACATCGCTAGCATGCAGGACGTTATGAAGAA, TCGCTTATTTAGAAGTGGCGCGCCCTATAAGAACAGGTGGTGG CG	TRT
P <sub>ATG18</sub> -KanMX	UG6	P <sub>ATG18</sub>	Sall	AGCTTCGTACGCTGCAGGTCGACCTGTAACCTTCTTGTTCGTG ,	Genomic DNA

				GAAGTTATATTAAGGGTTGTCGACTGTCAGGCCGAAGAAGAAA A	
BS-ZJLEU- P <sub>TEF1</sub> -HFL1- GFP	BS-ZJLEU	P <sub>TEF1</sub> -HFL1- GFP	ApaI, SpeI	CGAGGTCGACGGTATCGATACCACACACCATAGCTTCAAA, GGCGGCCGCTCTAGAACTAGTCTATTTGTATAGTTCATCCA	P <sub>TEF1</sub> -HFL1-GFP- LEU
BS-ZJLEU- P <sub>TEF1</sub> -HFL1- W371A-GFP	BS-ZJLEU	P <sub>TEF1</sub> -HFL1- GFP	ApaI, SpeI	CGAGGTCGACGGTATCGATACCACACACCATAGCTTCAAA, GGCGGCCGCTCTAGAACTAGTCTATTTGTATAGTTCATCCA	P <sub>TEF1</sub> -HFL1-W371A- GFP-LEU
BS-ZJLEU- P <sub>TEF1</sub> -HFL1- I375A-GFP	BS-ZJLEU	P <sub>TEF1</sub> -HFL1- GFP	ApaI, SpeI	CGAGGTCGACGGTATCGATACCACACACCATAGCTTCAAA, GGCGGCCGCTCTAGAACTAGTCTATTTGTATAGTTCATCCA	P <sub>TEF1</sub> -HFL1-I375A- GFP-LEU
BS-ZJLEU- P <sub>TEF1</sub> -HFL1- D384A-GFP	BS-ZJLEU	P <sub>TEF1</sub> -HFL1- GFP	ApaI, SpeI	CGAGGTCGACGGTATCGATACCACACACCATAGCTTCAAA, GGCGGCCGCTCTAGAACTAGTCTATTTGTATAGTTCATCCA	P <sub>TEF1</sub> -HFL1-D384A- GFP-LEU
BS-ZJLEU- P <sub>TEF1</sub> -HFL1- Y387A-GFP	BS-ZJLEU	P <sub>TEF1</sub> -HFL1- GFP	ApaI, SpeI	CGAGGTCGACGGTATCGATACCACACACCATAGCTTCAAA, GGCGGCCGCTCTAGAACTAGTCTATTTGTATAGTTCATCCA	P <sub>TEF1</sub> -HFL1-Y387A- GFP-LEU
BS-ZJLEU- P <sub>TEF1</sub> -HFL1- W371AI375A -GFP	BS-ZJLEU	P <sub>TEF1</sub> -HFL1- GFP	ApaI, SpeI	CGAGGTCGACGGTATCGATACCACACACCATAGCTTCAAA, GGCGGCCGCTCTAGAACTAGTCTATTTGTATAGTTCATCCA	P <sub>TEF1</sub> -HFL1- W371AI375A-GFP- LEU
BS-ZJLEU- P <sub>TEF1</sub> -HFL1- D384AY387 A-GFP	BS-ZJLEU	P <sub>TEF1</sub> -HFL1- GFP	ApaI, SpeI	CGAGGTCGACGGTATCGATACCACACACCATAGCTTCAAA, GGCGGCCGCTCTAGAACTAGTCTATTTGTATAGTTCATCCA	P <sub>TEF1</sub> -HFL1- D384AY387A-GFP- LEU
BS-ZJLEU- P <sub>TEF1</sub> -HFL1- W371AI375A D384AY387 A-GFP	BS-ZJLEU	P <sub>TEF1</sub> -HFL1- GFP	ApaI, SpeI	CGAGGTCGACGGTATCGATACCACACACCATAGCTTCAAA, GGCGGCCGCTCTAGAACTAGTCTATTTGTATAGTTCATCCA	P <sub>TEF1</sub> -HFL1- W371AI375AD384A Y387A-GFP-LEU

PCUP1-GFP-Vma13-Ura	ClhN-GFP	PCUP1; Vma13	AscI	CGTGGGATTCCCTGGGCTAGTTAGAAAAAGACATTTTTGCTGTC AGTCAC, AGCGATGTTAATTAACATGATGACTTCTATATGATATTGCACT ACAAGAAGATATTATAATGCA; CTATACAAACCTAGGATGGGCGCAACCAAAATTTAATGGAC, CGCTTATTTAGAAGTGGCGCGCCTTATTTGAAGGTATATCCAA TGATTGCCTGC	Genomic DNA; PCUP1-GFP-Pho8-406
PCUP1-Vac8-GFP-Ura	ClhN-GFP	PCUP1; Vac8	AscI	CGTGGGATTCCCTGGGCTAGTTAGAAAAAGACATTTTTGCTGTC AGTCAC, ACAACATGAACCCATGATGACTTCTATATGATATTGCACTAAC AAGAAGATATTATAATGCA; CATATAGAAGTCATCATGGGTTTCATGTTGTAGTTGCTTGAAAG , AGCGATGTTAATTAATGTAAAAATGTAAAAATCTGTTGAGTA ATATTATACAATTCCAAACTTG	Genomic DNA; PCUP1-GFP-Pho8-406
BS-Trp-PCUP1-4myc-Pho8	BS-Trp-PCUP1-4myc-Ub	Pho8	Avr II, Sac II	CTGAAGAAGATTTGCCTAGGATGATGACTCACACATTACCAAG CGAAC, CAGTAATAACCCACCGCGGGAGAGTTAGATAGGATCAGTTGGT CAACTC	Genomic DNA
PCUP1-4V5-Pho8-Met	PCUP1-4V5-Ub-Met	Pho8	Avr II, Asc I	GTTTGGATTCTACTCCTAGGATGATGACTCACACATTACCAAG CGAAC, CGCTTATTTAGAAGTGGCGCGCCGAGAGTTAGATAGGATCAGT TGGTCAACTC	Genomic DNA
Tg13-GFP [72]	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
BS-URA3-GFP-Atg8 [67]	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)
BS-URA3-Atg18-2GFP [67]	(N/A)	(N/A)	(N/A)	(N/A)	(N/A)

**Table S2. Plasmids Set II#.**

#Fragments from parental plasmids were obtained by PCR amplification.				
Plasmid	Primers for Plasmid Backbone	Templates /Sources	Primers for Inserted Fragment	Templates /Sources
BS-TRP1-P <sub>GAL</sub> -GFP-Cps1	GCTTGATATCGAATTCCTGCA, TATAGTTTTTTCTCCTTGACGTTAAAGT ATAGAGG	BS-TRP1- P <sub>GAL</sub>	TTAACGTCAAGGAGAAAAAACTATAATGTCTAAAGG TGAAGAATTATTC, GGGCTGCAGGAATTCGATATCAAGCCTTTACGCAAG TGGTTTTGA	P <sub>CUP1</sub> -GFP-Cps1- 406
BS-TRP1-TetO7- mRuby3-Pho8	GGAGCCGGAACAAGTGACAT, GCCTGCTGGATGAATAGCTT	BS-TRP1- TetO7-GFP- Pho8	AAGCTATTCATCCAGCAGGC, CTCTTCGCCCTTAGACACCATCGCCGCTATCGATGT TAACA	BS-TRP1- TetO7-GFP- Pho8
			ATGGTGTCTAAGGGCGAAGA, TCATGTCACTTGTTCGGCTCCCTTGTACAGCTCGT CCATGC	NCS- mRuby3[73]
P1K-3HA-Atg8- MET15	TGAGGCGCGCCACTTCTA, CCTCAACCTTTAATGGTTCC	P <sub>ATG8</sub> - MET15	GGAACCATTAAAGGTTGAGGAGGGGATTGATAAGAG AATCT, TTTAGAAGTGGCGCGCCTCACCTGCCAAATGTATTT TCTC	3HA-ATG8-306
P1K-3HA- Atg8ΔGR- MET15	TGAGGCGCGCCACTTCTA, CCTCAACCTTTAATGGTTCC	P <sub>ATG8</sub> - MET15	GGAACCATTAAAGGTTGAGGAGGGGATTGATAAGAG AATCT, TTTAGAAGTGGCGCGCCTCAAAATGTATTTTCTCCT GAGTAAGT	3HA-ATG8-306
P1K-3HA- Atg8ΔR-MET15	TGAGGCGCGCCACTTCTA, CCTCAACCTTTAATGGTTCC	P <sub>ATG8</sub> - MET15	GGAACCATTAAAGGTTGAGGAGGGGATTGATAAGAG AATCT, TTTAGAAGTGGCGCGCCTCAGCCAAATGTATTTTCT CCTG	3HA-ATG8-306
ClhN-flag- HIS5(S.p.)	GATAAACCTAGGTGAGGCGCGCCACTTC TA, CTCACCTAGGTTTATCATCATCATCTTT ATAATCGCTAGCGATGTTAATTAACC	ClhN- HIS5(S.p.)	(N/A)	(N/A)

P1K-HFL1-8flag-LEU	GGCGGCCACTTCTAAATAAGCGAA TTTCTTATGATTTAT, AACCCAGGAATCCCACGACCACAAG CCATTGATGACCTAC	UG74-8flag	ATAAATCATAAGAAATTCGCTTATTTAGAAGTG GCGCGCC, GTAGGTCATCAATGGCTTGTGGTCGTGGGATTC CTGGGTT	P1K-HFL1-GFP-LEU
P1K-HFL1-W371A-8flag-LEU	GGCGGCCACTTCTAAATAAGCGAA TTTCTTATGATTTAT, AACCCAGGAATCCCACGACCACAAG CCATTGATGACCTAC	UG74-8flag	ATAAATCATAAGAAATTCGCTTATTTAGAAGTG GCGCGCC, GTAGGTCATCAATGGCTTGTGGTCGTGGGATTC CTGGGTT	P1K-HFL1-W371A-GFP-LEU
P1K-HFL1-I375A-8flag-LEU	GGCGGCCACTTCTAAATAAGCGAA TTTCTTATGATTTAT, AACCCAGGAATCCCACGACCACAAG CCATTGATGACCTAC	UG74-8flag	ATAAATCATAAGAAATTCGCTTATTTAGAAGTG GCGCGCC, GTAGGTCATCAATGGCTTGTGGTCGTGGGATTC CTGGGTT	P1K-HFL1-I375A-GFP-LEU
P1K-HFL1-D384A-8flag-LEU	GGCGGCCACTTCTAAATAAGCGAA TTTCTTATGATTTAT, AACCCAGGAATCCCACGACCACAAG CCATTGATGACCTAC	UG74-8flag	ATAAATCATAAGAAATTCGCTTATTTAGAAGTG GCGCGCC, GTAGGTCATCAATGGCTTGTGGTCGTGGGATTC CTGGGTT	P1K-HFL1-D384A-GFP-LEU
P1K-HFL1-Y387A-8flag-LEU	GGCGGCCACTTCTAAATAAGCGAA TTTCTTATGATTTAT, AACCCAGGAATCCCACGACCACAAG CCATTGATGACCTAC	UG74-8flag	ATAAATCATAAGAAATTCGCTTATTTAGAAGTG GCGCGCC, GTAGGTCATCAATGGCTTGTGGTCGTGGGATTC CTGGGTT	P1K-HFL1-Y387A-GFP-LEU
P1K-HFL1-W371AI375A8flag-LEU	GGCGGCCACTTCTAAATAAGCGAA TTTCTTATGATTTAT, AACCCAGGAATCCCACGACCACAAG CCATTGATGACCTAC	UG74-8flag	ATAAATCATAAGAAATTCGCTTATTTAGAAGTG GCGCGCC, GTAGGTCATCAATGGCTTGTGGTCGTGGGATTC CTGGGTT	P1K-HFL1-W371AI375A-GFP-LEU
P1K-HFL1-D384AY387A-8flag-LEU	GGCGGCCACTTCTAAATAAGCGAA TTTCTTATGATTTAT, AACCCAGGAATCCCACGACCACAAG CCATTGATGACCTAC	UG74-8flag	ATAAATCATAAGAAATTCGCTTATTTAGAAGTG GCGCGCC, GTAGGTCATCAATGGCTTGTGGTCGTGGGATTC CTGGGTT	P1K-HFL1-D384AY387A-GFP-LEU

<b>P1K-HFL1- W371AI375AD3 84AY387A- 8flag-LEU</b>	GGCGGCCCACTTCTAAATAAGCGAA TTTCTTATGATTTAT, AACCCAGGAATCCCACGACCACAAG CCATTGATGACCTAC	<b>UG74-8flag</b>	ATAAATCATAAGAAATTCGCTTATTTAGAAGTG GCGCGCC, GTAGGTCATCAATGGCTTGTGGTCGTGGGATTC CTGGGTT	<b>P1K-HFL1- W371AI375AD3 84AY387A- GFP-LEU</b>
<b>P<sub>CUPI</sub>-mRuby3- Pho8</b>	GACGAGCTGTACAAGGGAGCCGGAA CAAGTGACATGATG, GCCCTTAGACACCATGTTACTAGTC GATGACTTCTATATGATATTGCAC	<b>P<sub>CUPI</sub>-GFP- Pho8-406</b>	ATGGTGTCTAAGGGCGAAGAGCTG, CTTGTACAGCTCGTCCATGCCAC	<b>BS-TRP1- TetO7-mRuby3- Pho8</b>

**Table S3. Plasmids Set III<sup>&</sup>.**

& Point mutations constructed by site-directed mutagenesis.		
Plasmid	Primers for site-directed mutagenesis	Templates /Sources
P <sub>CUP1</sub> -GFP-PHO8(K(24,25,30,33)R)	AGAAGGAGACGGATCTCGAGGAGATCAAGGATAATAGTATCCACTGTG, CCTTGATCTCCTCGAGATCCGTCTCCTTCTAGGACGAGAG	P <sub>CUP1</sub> -GFP-PHO8-406
P <sub>CUP1</sub> -GFP-PHO8(K(24,25,30)R)	AGAAGGAGACGGATCTCGAGGAGATCAAGGATAATAGTATCCACTGTG, CCTTGATCTCCTCGAGATCCGTCTCCTTCTAGGACGAGAG	P <sub>CUP1</sub> -GFP-PHO8-406
P <sub>CUP1</sub> -GFP-PHO8(K(30,33)R)	AGAAGGAGACGGATCTCGAGGAGATCAAGGATAATAGTATCCACTGTG, CCTTGATCTCCTCGAGATCCGTCTCCTTCTAGGACGAGAG	P <sub>CUP1</sub> -GFP-PHO8-406
P <sub>CUP1</sub> -GFP-PHO8(K(33)R)	AGAAGGAGACGGATCTCGAGGAGATCAAGGATAATAGTATCCACTGTG, CCTTGATCTCCTCGAGATCCGTCTCCTTCTAGGACGAGAG	P <sub>CUP1</sub> -GFP-PHO8-406
ClhN-P1K-3VSV-Atg8(T56A T87A)-MET15	CTAGTTCCTGCTGACCTTGCGGTAGGGCAATTTG & GCAAGGTCAGCAGGAAGTATATTTACGCTTATC, GATACTTTGCCACCTGCTGCGGCGTTGATG & CAGCAGGTGGCAAAGTATCATTGACAAAAATGAAG	ClhN-P1K-3VSV-Atg8-MET15
ClhN-P1K-3VSV-Atg8(P85A P86A)-MET15	CATTTTTGTCAATGATACTTTGGCCGCTACTGCGGCGTTG, GTATCATTGACAAAAATGAAGATGGCCTTCTCAGG	ClhN-P1K-3VSV-Atg8-MET15
ClhN-P1K-3VSV-Atg8(P85L P86L)-MET15	CATTTTTGTCAATGATACTTTGTTGTTGACTGCGGCGTTG, GTATCATTGACAAAAATGAAGATGGCCTTCTCAGG	ClhN-P1K-3VSV-Atg8-MET15
ClhN-P1K-3VSV-Atg8(T56A R65A T87A)-MET15	CCGTAGGGCAATTTGTTTATGTTATAGCGAAGAGAATTATGC, CATAAACAAATTGCCCTACGGCAAGGTCAGCAGG	ClhN-P1K-3VSV-Atg8(T56A T87A)-MET15
ClhN-P1K-3VSV-Atg8(R65A P85A P86A)-MET15	CCGTAGGGCAATTTGTTTATGTTATAGCGAAGAGAATTATGC, CATAAACAAATTGCCCTACGGTAAGGTCAGCAGG	ClhN-P1K-3VSV-Atg8(P85A P86A)-MET15
ClhN-P1K-3VSV-Atg8(R65A P85L P86L)-MET15	CCGTAGGGCAATTTGTTTATGTTATAGCGAAGAGAATTATGC, CATAAACAAATTGCCCTACGGTAAGGTCAGCAGG	ClhN-P1K-3VSV-Atg8(P85L P86L)-MET15
ClhN-P1K-3VSV-Atg8(L55W T56A V61W R65A)-MET15	AGGGCAATTTGGTATGTTATAGCGAAGAGAATTATGCTACC, TAACATACCAAATTTGCCCTACCGCCAGTCAGCAG	ClhN-P1K-3VSV-Atg8-MET15



**Table S4. Primers for gene knockout and tagging.**

Operation	Primers
<i>ATG1</i> knockout	TCAAATCTCTTTTACAACACCAGACGAGAAATTAAGAAAGCTTCGTACGCTGCAGGTCG, ATTTGTACTTAATAAGAAAACCATATTATGCATCACTTAGCATAGGCCACTAGTGGATC
<i>ATG2</i> knockout	AAATTAAGAGGAACCCTTTTTTTTTTTTGATTTTCGATACAGCTTCGTACGCTGCAGGTCG, GAATTGAATATATATCAAAAATGTCTGCAAAAATTTTTAGCATAGGCCACTAGTGGATC
<i>ATG7</i> knockout	TCATTATATTTCAACAAATATAAGATAATCAAGAATAAAGCTTCGTACGCTGCAGGTCG, ACCACAATATGTACCAATGCATTATATGCAAAAATTTAGCATAGGCCACTAGTGGATC
<i>ATG8</i> knockout	TAAAGTTGAGAAAATCATAATAAAAATAATTACTAGAGACGCTTCGTACGCTGCAGGTCG, TAGATGTTAACGCTTCATTTCTTTTCATATAAAAAGACTAGCATAGGCCACTAGTGGATC
<i>ATG9</i> knockout	GAACAGCCTGAAATATCAAAATCACGGAATTATTAGGTTGCTTCGTACGCTGCAGGTCG, TAGTTATATTGGATGATGTACACGACACAGTCGCCTTAGCATAGGCCACTAGTGGATC
<i>ATG18</i> knockout	TCCAGTTAACTCTGTATCCTTTTCTTCTTCGGCCTGACAGCTTCGTACGCTGCAGGTCG, GTGACGTACGGAAGGCAGCGCGAGACACTTCCGTGATCAGCATAGGCCACTAGTGGATC
<i>VAC8</i> knockout	GGGTGTTCTTTCTTCTGTACTATATATACATTTGCAACTGCTTCGTACGCTGCAGGTCG, AAAAATTATAATGCCTAGTCCCGCTTTTGAAGAAAATCAGCATAGGCCACTAGTGGATC
<i>VID24</i> knockout	TCTTGTGCATGACACCAACACATATCGCAAGCTTGAGTCGCTTCGTACGCTGCAGGTCG, AAAAGGGTATGCAGGTAAAAACGAATATATCACACATCAGCATAGGCCACTAGTGGATC
<i>VID28</i> knockout	TGCCCTCGTGTTAGATTGGTGATATATTACAGTTACACTGCTTCGTACGCTGCAGGTCG, AAATTAATTGTAGGAAATACTACGAGTTCTGTGCATTCAGCATAGGCCACTAGTGGATC
<i>VTC1</i> knockout	TATCGAATACGATTAAACACTACGCCAGATTTCCACAATGCTTCGTACGCTGCAGGTCG, TGCGTAACCCACGCTTACGATATTGGAATTACAATTTAGCATAGGCCACTAGTGGATC
<i>VTC2</i> knockout	AAGAACGACTACACCTCAACATAACGACACTTTTTTTGACGCTTCGTACGCTGCAGGTCG, TAAAAACACATGGTCTCAGTAGATAGAGTACATATTCTAGCATAGGCCACTAGTGGATC
<i>VTC3</i> knockout	CGAACAGCAGAATTTGTCCTTGGTTTTTCAGAGTTTGAAAGCTTCGTACGCTGCAGGTCG, GTGTAATATATGTGTATATAAAAAATATACATGTTCTTAGCATAGGCCACTAGTGGATC
<i>VTC4</i> knockout	AATCGGCAAATAAAAGAGCATAACAAGGCAGGAACAGCTGCTTCGTACGCTGCAGGTCG, TACTTAATTATACAGTAAAAAAAACACGCTGTGTATTTCAGCATAGGCCACTAGTGGATC

<i>EGO1</i> knockout	TAGCGGTAGTGGATACAACGACAGATTTAAGTCGTAAAAGCTTCGTACGCTGCAGGTCG, AAGCTTGTATACCAATGATGTTATACAAAAAGTTCATTAGCATAGGCCACTAGTGGATC
<i>GTR2</i> knockout	AACAAAACCTCCAGGACAACGGTACTAATACACATACAACGCTTCGTACGCTGCAGGTCG, ATCTATATACCCTAATATTTTCATGCCTTACGTCTTTCAGCATAGGCCACTAGTGGATC
<i>EGO3</i> knockout	GTTATCAGCAGCAAACGGTATCCAAAATATTGAAGCAATGCTTCGTACGCTGCAGGTCG, GAAAAGGTGTGGCCTCGATACATATTGTTAAACCCATCAGCATAGGCCACTAGTGGATC
<i>VPS27</i> knockout	CTAAGGTGAATGAGTAGTGAGTAAAGAACTAAGAACAGTGCTTCGTACGCTGCAGGTCG, GTTTCTTTTTTACAAAATACATAGAAAAGGCTACAATATTAGCATAGGCCACTAGTGGATC
<i>VPS23</i> knockout	TCCTAACGGCCAAGAAAAGAGAGAGAGTGAAGAGCAACGGCTTCGTACGCTGCAGGTCG, TTTTTATGGCACTTCGGCGATGCGAAAAGAAAGTGAGTCAGCATAGGCCACTAGTGGATC
<i>SNF7</i> knockout	CGGAAGCAGCAGAAAACATAACAGTATTGATAAATAAGGCGCTTCGTACGCTGCAGGTCG, TTTTTTTTTCTTTCATCTAAACCGCATAGAACACGTTTCAGCATAGGCCACTAGTGGATC
<i>VPS36</i> knockout	GGAAGTGTGTTTTGAAAGTCATTCTTTTTTTTTTCAAAGGCTTCGTACGCTGCAGGTCG, TTTTTTTTTCTTTCATCTAAACCGCATAGAACACGTTTCAGCATAGGCCACTAGTGGATC
<i>VPS4</i> knockout	ATAAAGCAGCATAGAGTGCCATATAGTAGATGGGGTACAAGCTTCGTACGCTGCAGGTCG, ACACAAGAAATCTACATTAGCACGTTAATCAATTGACTAGCATAGGCCACTAGTGGATC
<i>FBP1</i> tagging	GAAATTGACAAATTTTTAGACCATATTGGCAAGTCACAGGCTTCGTACGCTGCAGGTCG, GAACAAAGAAAATAAGAAAAGAAAGGCGATCATTGAACTAGCATAGGCCACTAGTGGATC
<i>VPS23</i> tagging	GTGCGATGGCACATCCAACGAATCACCTCACCGTTATCGGCTTCGTACGCTGCAGGTCG, TTTTTATGGCACTTCGGCGATGCGAAAAGAAAGTGAGTCAGCATAGGCCACTAGTGGATC
<i>PEP4</i> knockout	CCTAGTATTTAATCCAAAATAAAATTCAAACAAAAACCAAACTAACGCTTCGTACGCTGCAGGTCG, GATGGCAGAAAAGGATAGGGCGGAGAAGTAAGAAAAGTTTAGCTCAGCATAGGCCACTAGTGGATC
<i>VPS4</i> tagging	CAAGAACAGTTCACCTAGAGATTTTGGTCAAGAAGGTAACGCTTCGTACGCTGCAGGTCG, ACACAAGAAATCTACATTAGCACGTTAATCAATTGACTAGCATAGGCCACTAGTGGATC
<i>ATG15</i> knockout	GCATTACAATTAAGGAAACAAGGGAAATATTCTATTGAGCTTCGTACGCTGCAGGTCG, TAAAACAACACTAGGGTCATAATAGATGTATGGGTCTTAGCATAGGCCACTAGTGGATC
<i>NCRI</i> knockout	CATCTCCAAAAGAACAAGAGCAGAACTTCGCTTCGTACGCTGCAGGTCG, ACAGATTTTCTGGTGTGGCATCAGGCATAGGCCACTAGTGGATC
<i>NPC2</i> knockout	TCCTTCAAAGCTAGCACGCCTTCGCTTCGTACGCTGCAGGTCG, ACACGGATCAATGAGTTGTATGAATCAGGCATAGGCCACTAGTGGATC

<i>VBA4</i> tagging	AATATTCATTTTCAACAGAATCCATTGTCGTAGTCAAAATTGTTTGTCACTATCTGGTGACGGTGCTGGTTTAATTAACATGTC, GAAAAAGAAAAAAGTATTTGTATTATTTAAAGTATACATTTTCATCTACCGGTATAGGCCACTAGTGGATCTGATATCATCG
<i>NCRI</i> tagging	ACTTTCATTGTTTGGTGGTGAAAGCTATAGGGACGATTCCATCGAAGCAGAAGATGGTGACGGTGCTGGTTTAATTAACATGTC, TAACGAATTTTACCCTATTTTTTCACTACGTAAAATATAGTATAAATCTGCTATGGATAGGCCACTAGTGGATCTGATATCATCG
<i>YPQ1</i> tagging	CGTCATATTTTCCCAGTTTTTCATTTACAAAAGAAATAAAAAATTTATACTGAATGGTGACGGTGCTGGTTTAATTAACATGTC, AAAAAAAAGTTTGTGAGGTCAAAAATATGTTAAATAAATATTAGATAGAACATGATAGGCCACTAGTGGATCTGATATCATCG
<i>YPL162C</i> tagging	CTCAAATGAAGTGCCTAACAAGGATAACAACATTTCCAGCTATGGTAGCATAATAGGTGACGGTGCTGGTTTAATTAACATGTC, TCAATTAAGCAAGGAAAGGAAATAAACAGTGCATGCTTTCCTTATCCTTGGAATAATAGGCCACTAGTGGATCTGATATCATCG
<i>DPP1</i> tagging	CACCCATCAGAGGATCCCGGATGAGGAATTACATCCTTTGTCCGATGAAGGTATGGGTGACGGTGCTGGTTTAATTAACATGTC, ACAATAAATACGTATATTTTCGTATGTCATGTGGAGTATATATTCTTTTTTATTTCATAGGCCACTAGTGGATCTGATATCATCG
<i>YCF1</i> tagging	TAACAAATCATTGTTCTATTCACTGTGCATGGAGGCTGGTTTGGTCAATGAAAATGGTGACGGTGCTGGTTTAATTAACATGTC, TTTATCCATCCTACGTACCAGATTGTGCGGGACAGGTTTTTATTAGTTTCACAGTATAGGCCACTAGTGGATCTGATATCATCG

**Table S5. Strains used in this study.**

Name	Genotype
BY4741 [74]	<i>MAT<math>\alpha</math> his3<math>\Delta</math>1 leu2<math>\Delta</math> met15<math>\Delta</math> ura3<math>\Delta</math></i>
DJ01	BY4741 <i>MAT<math>\alpha</math> his3<math>\Delta</math>1 leu2<math>\Delta</math> met15<math>\Delta</math> ura3<math>\Delta</math> trp1<math>\Delta</math>::natMX</i>
DY03	BY4741 <i>MAT<math>\alpha</math> his3<math>\Delta</math>1 leu2<math>\Delta</math> met15<math>\Delta</math> ura3<math>\Delta</math> pho8<math>\Delta</math>60 pho13<math>\Delta</math>::LEU2</i>
YMJ83	DJ01 <i>P<sub>URA3</sub>::URA3(K.l.)·TetR'-Ssn6 VPS23-IAA17-4flag::HIS5(S.p.) P<sub>ADHI</sub>::P<sub>ADHI</sub>-TIR1-9myc·MET15 T<sub>TRP1</sub>::TRP1(K.l.)·TetO7-GFP-PHO8</i>
YMJ89	DJ01 <i>P<sub>URA3</sub>::URA3(K.l.)·TetR'-Ssn6 P<sub>VACS</sub>-IAA17-4flag-VAM3::HIS5(S.p.) P<sub>ADHI</sub>::P<sub>ADHI</sub>-TIR1-9myc·MET15 T<sub>TRP1</sub>::TRP1(K.l.)·TetO7-GFP-PHO8</i>
YMJ90	DJ01 <i>P<sub>URA3</sub>::URA3(K.l.)·TetR'-Ssn6 P<sub>VACS</sub>-IAA17-4flag-VPS39::HIS5(S.p.) P<sub>ADHI</sub>::P<sub>ADHI</sub>-TIR1-9myc·MET15 T<sub>TRP1</sub>::TRP1(K.l.)·TetO7-GFP-PHO8</i>
YMJ98	DJ01 <i>PHO8::P<sub>CUPI</sub>-GFP-PHO8·URA3</i>
YMJ221	DJ01 <i>VPH1-2<math>\times</math>GFP::URA3(K.l.)</i>
YMJ222	DJ01 <i>YPQ2-2<math>\times</math>GFP::URA3(K.l.)</i>
YMJ801	DJ01 <i>HIS3 PHO8::P<sub>CUPI</sub>-GFP-PHO8·URA3 MET15</i>
YMJ802	DJ01 <i>vps4<math>\Delta</math>::HIS5(S.p.) PHO8::P<sub>CUPI</sub>-GFP-PHO8·URA3 MET15</i>
YMJ803	DJ01 <i>vps23<math>\Delta</math>::HIS5(S.p.) PHO8::P<sub>CUPI</sub>-GFP-PHO8·URA3 MET15</i>
YMJ804	DJ01 <i>atg8<math>\Delta</math>::MET15 PHO8::P<sub>CUPI</sub>-GFP-PHO8·URA3 HIS3</i>
YMJ806	DJ01 <i>vps4<math>\Delta</math>::HIS5(S.p.) PHO8::P<sub>CUPI</sub>-GFP-PHO8·URA3 atg8<math>\Delta</math>::MET15</i>
YMJ807	DJ01 <i>vps23<math>\Delta</math>::HIS5(S.p.) PHO8::P<sub>CUPI</sub>-GFP-PHO8·URA3 atg8<math>\Delta</math>::MET15</i>
YMJ224	DJ01 <i>3HA-ATG8<math>\Delta</math>GR::MET15 PHO8::P<sub>CUPI</sub>-GFP-PHO8·URA3 HIS3</i>
YMJ225	DJ01 <i>3HA-ATG8<math>\Delta</math>R::MET15 PHO8::P<sub>CUPI</sub>-GFP-PHO8·URA3 atg4<math>\Delta</math>::HIS5(S.p.)</i>
YMJ226	DJ01 <i>3HA-ATG8::MET15 PHO8::P<sub>CUPI</sub>-GFP-PHO8·URA3 HIS3</i>
YMJ729	DJ01 <i>OSHI::P<sub>CUPI</sub>-GFP-OSHI·URA3</i>
YMJ731	DJ01 <i>vac8<math>\Delta</math>::HIS5(S.p.) OSH1::P<sub>CUPI</sub>-GFP-OSHI·URA3</i>
YMJ155	DJ01 <i>FBP1-4V5::URA3(K.l.)</i>
YMJ156	DJ01 <i>vid28<math>\Delta</math>::HIS5(S.p.) FBP1-4V5::URA3(K.l.)</i>
YMJ157	DJ01 <i>vid24<math>\Delta</math>::HIS5(S.p.) FBP1-4V5::URA3(K.l.)</i>
YMJ111	DY03 <i>atg1<math>\Delta</math>::HIS5(S.p.) pho8<math>\Delta</math>60::P<sub>CUPI</sub>-GFP-PHO8::URA3</i>

YMJ112	DY03 <i>atg2Δ::HIS5(S.p.) pho8Δ60::P<sub>CUP1</sub>-GFP-PHO8::URA3</i>
YMJ114	DY03 <i>atg7Δ::HIS5(S.p.) pho8Δ60::P<sub>CUP1</sub>-GFP-PHO8::URA3</i>
YMJ115	DY03 <i>atg8Δ::HIS5(S.p.) pho8Δ60::P<sub>CUP1</sub>-GFP-PHO8::URA3</i>
YMJ116	DY03 <i>atg9Δ::HIS5(S.p.) pho8Δ60::P<sub>CUP1</sub>-GFP-PHO8::URA3</i>
YMJ117	DY03 <i>atg18Δ::HIS5(S.p.) pho8Δ60::P<sub>CUP1</sub>-GFP-PHO8::URA3</i>
YMJ118	DJ01 <i>PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3 HIS3</i>
YMJ119	DY03 <i>P<sub>CUP1</sub>-GFP-PHO8::URA3 HIS3</i>
YMJ100	DJ01 <i>pep4Δ::HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ101	DJ01 <i>vps4Δ::HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ102	DJ01 <i>vps23Δ::HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ103	DJ01 <i>vps27Δ::HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ104	DJ01 <i>vps36Δ::HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ105	DJ01 <i>snf7Δ::HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ107	DJ01 <i>vid24Δ::HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ216	DJ01 <i>vac8Δ::HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ218	DJ01 <i>vid28Δ::HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ410	DY03 <i>HIS3</i>
YMJ411	DY03 <i>atg1Δ::HIS5(S.p.)</i>
YMJ412	DY03 <i>atg2Δ::HIS5(S.p.)</i>
YMJ414	DY03 <i>atg7Δ::HIS5(S.p.)</i>
YMJ415	DY03 <i>atg8Δ::HIS5(S.p.)</i>
YMJ416	DY03 <i>atg9Δ::HIS5(S.p.)</i>
YMJ417	DY03 <i>atg18Δ::HIS5(S.p.)</i>
YMJ421	DJ01 <i>CPS1::P<sub>CUP1</sub>-GFP-CPS1-URA3</i>
YMJ431	DJ01 <i>vps4Δ::HIS5(S.p.) CPS1::P<sub>CUP1</sub>-GFP-CPS1-URA3</i>
YMJ432	DJ01 <i>vps23Δ::HIS5(S.p.) CPS1::P<sub>CUP1</sub>-GFP-CPS1-URA3</i>
YMJ433	DJ01 <i>vps27Δ::HIS5(S.p.) CPS1::P<sub>CUP1</sub>-GFP-CPS1-URA3</i>
YMJ434	DJ01 <i>vps36Δ::HIS5(S.p.) CPS1::P<sub>CUP1</sub>-GFP-CPS1-URA3</i>
YMJ435	DJ01 <i>snf7Δ::HIS5(S.p.) CPS1::P<sub>CUP1</sub>-GFP-CPS1-URA3</i>

YMJ702	DJ01 <i>TRP1(K.l.) URA3(K.l.)</i>
YMJ704	DJ01 <i>pho8Δ::TRP1(K.l.) URA3(K.l.)</i>
YMJ705	DJ01 <i>pho8Δ::P<sub>CUP1</sub>-GFP-PHO8-URA3-TRP1(K.l.)</i>
YMJ720	DJ01 <i>vtc1Δ:HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ721	DJ01 <i>vtc2Δ:HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ722	DJ01 <i>vtc3Δ:HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ723	DJ01 <i>vtc4Δ:HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ724	DJ01 <i>ego1Δ:HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ725	DJ01 <i>gtr2Δ:HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ726	DJ01 <i>ego3Δ:HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ728	DJ01 <i>atg15Δ:HIS5(S.p.) PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3</i>
YMJ735	DJ01 <i>P<sub>ADH1</sub>::P<sub>ADH1</sub>-TIR1-9myc-MET VPS23-IAA17-4flag::HIS5(S.p.) T<sub>TRP1</sub>::TRP1(K.l.)-P<sub>GAL</sub>-GFP-CPS1</i>
YMJ764	DJ01 <i>HIS3 CPS1::P<sub>CUP1</sub>-GFP-CPS1-URA3</i>
YMJ766	DJ01 <i>VPS23-IAA17-4flag::HIS5(S.p.) CPS1::P<sub>CUP1</sub>-GFP-CPS1-URA3</i>
YMJ770	DJ01 <i>MET15 CPS1::P<sub>CUP1</sub>-GFP-CPS1-URA3</i>
YMJ771	DJ01 <i>atg8Δ::MET15 CPS1::P<sub>CUP1</sub>-GFP-CPS1-URA3</i>
YCF030	DJ01 <i>pho8Δ::TRP1(K.l.) Ter<sub>PHO8</sub>::P<sub>CUP1</sub>-GFP-PHO8(K(24,25,30,33)R)-URA(K.l.)</i>
YCF031	DJ01 <i>pho8Δ::TRP1(K.l.) Ter<sub>PHO8</sub>::P<sub>CUP1</sub>-GFP-PHO8(K33R)-URA(K.l.)</i>
YCF032	DJ01 <i>pho8Δ::TRP1(K.l.) Ter<sub>PHO8</sub>::P<sub>CUP1</sub>-GFP-PHO8(K(30,33)R)-URA(K.l.)</i>
YCF036	DJ01 <i>pho8Δ::TRP1(K.l.) Ter<sub>PHO8</sub>::P<sub>CUP1</sub>-GFP-PHO8(K(24,25,30)R)-URA(K.l.)</i>
YCF037	DJ01 <i>LEU(K.l.) MET15 PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3(K.l.)</i>
YCF038	DJ01 <i>LEU(K.l.) MET15 TLG3::TGL3-GFP</i>
YCF114	DJ01 <i>ncr1Δ::LEU(K.l.) npc2Δ::MET15</i>
YCF117	YCF114 <i>PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3(K.l.)</i>
YCF120	YCF114 <i>TLG3::TGL3-GFP</i>
YCF130	YMJ115 <i>P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8-MET15</i>
YCF134	YMJ115 <i>P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8(T56A T87A)-MET15</i>
YCF135	YMJ115 <i>P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8(P85A P86A)-MET15</i>

YCF136	YMJ115 $P_{ATG8}::P_{ATG8}$ -3VSV-ATG8(P85L P86L)-MET15
YCF137	YMJ115 $P_{ATG8}::P_{ATG8}$ -3VSV-ATG8(R65A P85A P86A)-MET15
YCF138	YMJ115 $P_{ATG8}::P_{ATG8}$ -3VSV-ATG8(R65A P85L P86L)-MET15
YCF142	YMJ115 $P_{ATG8}::P_{ATG8}$ -3VSV-ATG8(T56A R65A T87A)-MET15
YCF151	YMJ115 $P_{ATG8}::P_{ATG8}$ -3VSV-ATG8(L55W T56A V61W R65A)-MET15
YMJ745	DJ01 <i>hfl1Δ::HIS5(S.p.) P<sub>CUP1</sub>-GFP-PHO8::URA3</i>
YCH437	BY4741 <i>trp1Δ::natMX6 atg4Δ::HIS5 hfl1Δ::TRP1(k.l.) 3HA-ATG8ΔR::MET15 PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3(K.l.)</i>
YCH601	BY4741 <i>hfl1Δ::HIS3 PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3(K.l.) LEU2::P<sub>HFL1</sub>-HFL1-8flag</i>
YCH602	BY4741 <i>hfl1Δ::HIS3 PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3(K.l.) LEU2::P<sub>HFL1</sub>-HFL1(W371A)-8flag</i>
YCH603	BY4741 <i>hfl1Δ::HIS3 PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3(K.l.) LEU2::P<sub>HFL1</sub>-HFL1(I375A)-8flag</i>
YCH604	BY4741 <i>hfl1Δ::HIS3 PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3(K.l.) LEU2::P<sub>HFL1</sub>-HFL1(D384A)-8flag</i>
YCH605	BY4741 <i>hfl1Δ::HIS3 PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3(K.l.) LEU2::P<sub>HFL1</sub>-HFL1(Y387A)-8flag</i>
YCH606	BY4741 <i>hfl1Δ::HIS3 PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3(K.l.) LEU2::P<sub>HFL1</sub>-HFL1(W371AI375A)-8flag</i>
YCH607	BY4741 <i>hfl1Δ::HIS3 PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3(K.l.) LEU2::P<sub>HFL1</sub>-HFL1(D384AY387A)-8flag</i>
YCH608	BY4741 <i>hfl1Δ::HIS3 PHO8::P<sub>CUP1</sub>-GFP-PHO8-URA3(K.l.) LEU2::P<sub>HFL1</sub>-HFL1(WIDY)-8flag</i>
YCH630	BY4741 <i>atg8Δ::HIS3 P<sub>ATG8</sub>::P<sub>ATG8</sub>-8V5-ATG8-MET17</i>
YCH631	YCH630 <i>LEU2::P<sub>TEF1</sub>-HFL1-GFP</i>
YCH632	YCH630 <i>LEU2::P<sub>TEF1</sub>-HFL1(W371A)-GFP</i>
YCH633	YCH630 <i>LEU2::P<sub>TEF1</sub>-HFL1(I375A)-GFP</i>
YCH634	YCH630 <i>LEU2::P<sub>TEF1</sub>-HFL1(D384A)-GFP</i>
YCH635	YCH630 <i>LEU2::P<sub>TEF1</sub>-HFL1(Y387A)-GFP</i>
YCH636	YCH630 <i>LEU2::P<sub>TEF1</sub>-HFL1(W371AI375A)-GFP</i>
YCH637	YCH630 <i>LEU2::P<sub>TEF1</sub>-HFL1(D384AY387A)-GFP</i>
YCH638	YCH630 <i>LEU2::P<sub>TEF1</sub>-HFL1(WIDY)-GFP</i>
YCH641	BY4741 <i>LEU2::P<sub>TEF1</sub>-HFL1-GFP::LEU2 P<sub>ATG8</sub>:: P<sub>ATG8</sub>-3VSV-ATG8-MET17</i>
YCH642	BY4741 <i>atg8Δ::HIS3 LEU2::P<sub>TEF1</sub>-HFL1-GFP P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8-MET17</i>
YCH643	BY4741 <i>atg8Δ::HIS3 LEU2::P<sub>TEF1</sub>-HFL1-GFP P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8(T56AT87A)-MET17</i>

YCH644	BY4741 <i>atg8Δ::HIS3 LEU2::P<sub>TEF1</sub>-HFL1-GFP P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8(P85AP86A)·MET17</i>
YCH645	BY4741 <i>atg8Δ::HIS3 LEU2::P<sub>TEF1</sub>-HFL1-GFP P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8(P85LP86L)·MET17</i>
YCH646	BY4741 <i>atg8Δ::HIS3 LEU2::P<sub>TEF1</sub>-HFL1-GFP P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8(R65AT56AT87A)·MET17</i>
YCH647	BY4741 <i>atg8Δ::HIS3 LEU2::P<sub>TEF1</sub>-HFL1-GFP P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8(R65AP85AP86A)·MET17</i>
YCH648	BY4741 <i>atg8Δ::HIS3 LEU2::P<sub>TEF1</sub>-HFL1-GFP P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8(R65AP85LP86L)·MET17</i>
YCH649	BY4741 <i>atg8Δ::HIS3 LEU2::P<sub>TEF1</sub>-HFL1-GFP P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8(L55WT56AV61WR65A)·MET17</i>
YMJ211	DJ01 <i>EGO3-GFP·URA3(K.l.)</i>
YMJ301	DJ01 <i>vps4Δ::HIS5(S.p.) VPH1-2×GFP·URA3(K.l.)</i>
YMJ302	DJ01 <i>vps23Δ::HIS5(S.p.) VPH1-2×GFP·URA3(K.l.)</i>
YMJ303	DJ01 <i>vps27Δ::HIS5(S.p.) VPH1-2×GFP·URA3(K.l.)</i>
YMJ304	DJ01 <i>vps36Δ::HIS5(S.p.) VPH1-2×GFP·URA3(K.l.)</i>
YMJ305	DJ01 <i>snf7Δ::HIS5(S.p.) VPH1-2×GFP·URA3(K.l.)</i>
YMJ309	DJ01 <i>VPH1-2×GFP·URA3(K.l.)</i>
YMJ310	DY03 <i>VPH1-2×GFP·URA3(K.l.)</i>
YMJ311	DY03 <i>atg1Δ::HIS5(S.p.) VPH1-2×GFP·URA3(K.l.)</i>
YMJ312	DY03 <i>atg2Δ::HIS5(S.p.) VPH1-2×GFP·URA3(K.l.)</i>
YMJ314	DY03 <i>atg7Δ::HIS5(S.p.) VPH1-2×GFP·URA3(K.l.)</i>
YMJ315	DY03 <i>atg8Δ::HIS5(S.p.) VPH1-2×GFP·URA3(K.l.)</i>
YMJ316	DY03 <i>atg9Δ::HIS5(S.p.) VPH1-2×GFP·URA3(K.l.)</i>
YMJ317	DY03 <i>atg18Δ::HIS5(S.p.) VPH1-2×GFP·URA3(K.l.)</i>
YCF155	TN124 <i>metΔ hisΔ uraΔ atg8Δ::NAT</i>
YCF156	YCF155 <i>P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8·MET</i>
YCF157	YCF155 <i>P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8(T56A T87A)·MET</i>
YCF158	YCF155 <i>P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8(P85A P86A)·MET</i>
YCF159	YCF155 <i>P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8(P85L P86L)·MET</i>
YCF165	YCF155 <i>P<sub>ATG8</sub>::P<sub>ATG8</sub>-3VSV-ATG8(T56A R65A T87A)·MET</i>
YCF190	DJ01 <i>P<sub>CUP1</sub>-4myc-PHO8·TRP(K.l.)</i>



YCF193	DJ01 <i>P<sub>CUP1</sub>-4V5-PHO8·MET</i>
YCF732	DJ01 <i>ATG18-2GFP·URA3(K.l.)</i>
YCF908	DJ01 <i>Ter<sub>ADHI</sub>::P<sub>CUP1</sub>-VAC8-GFP·URA3(K.l.)</i>
YCF909	DJ01 <i>Ter<sub>ADHI</sub>::P<sub>CUP1</sub>-GFP-VMA13·URA3(K.l.)</i>
YCF910	DJ01 <i>Ter<sub>ADHI</sub>::P<sub>CUP1</sub>-mRuby3-PHO8·URA3(K.l.)</i>
YCF919	DJ01 <i>VBA4-2GFP·URA3(K.l.)</i>
YCF920	DJ01 <i>NCRI-2GFP·URA3(K.l.)</i>
YCF921	DJ01 <i>YPQ1-2GFP·URA3(K.l.)</i>
YCF922	DJ01 <i>YPL162C-2GFP·URA3(K.l.)</i>
YCF923	DJ01 <i>DPP1-2GFP·URA3(K.l.)</i>
YCF924	DJ01 <i>YCF1-2GFP·URA3(K.l.)</i>
YCH660	DJ01 <i>LEU2::PTEF1-HFL1(WIDY)-GFP</i>
YCH661	DJ01 <i>vps23Δ::HIS5(S.p.) LEU2::PTEF1-HFL1-GFP</i>
YCH662	DJ01 <i>atg8Δ::HIS5(S.p.) LEU2::PTEF1-HFL1-GFP</i>
YCH663	DJ01 <i>hfl1Δ::HIS5(S.p.) atg8Δ::natMX PHO8::P<sub>CUP1</sub>-GFP-PHO8·URA3</i>
YCH664	DY03 <i>atg4Δ::HIS5(S.p.) ATG8::GFP-ATG8ΔR·URA3 HFL1::P<sub>HFL1</sub>-HFL1-4flag·natMX6</i>
YCH665	DY03 <i>ATG8::GFP-ATG8·URA3 HFL1::P<sub>HFL1</sub>-HFL1-4flag·natMX6</i>
YCH666	DY03 <i>atg4Δ::HIS5(S.p.) ATG8::GFP-ATG8ΔR·URA3 HFL1::P<sub>TEF1</sub>-HFL1-4flag·natMX6</i>
YCH667	DY03 <i>ATG8::GFP-ATG8·URA3 HFL1::P<sub>TEF1</sub>-HFL1-4flag·natMX6</i>
YMJ320	DJ01 <i>hfl1Δ::HIS5(S.p.) VPH1-2×GFP::URA3(K.l.)</i>