

Table S6. List of DNA oligonucleotides used in this study

oligo name	sequence (5' to 3')	template (strain/plasmid)	construction/validation of strain/plasmid	
nuclear labeling with H1-mCherry				
VdH1F	GAAACGACAATCTGATCCAAGCTCAAGCTACGGGAGACACAGGACATC ATG	Ls.17	pVV19	
VdH1R	GCCCTTGCTCACCATTGCGGAAGCAGCAGCAGC			
h1tefF	GTACAAGCTCGACTAAGCGGACATTCGATTTATGC	pFC332		
h1tefR	CAATATCAGTTAACGTCGATTGGGATGAATTTTGTATGC			
chFPF	CTGCTGCTTCCGCAATGGTGAGCAAGGGCGAG	pMaM330		
chFPR	AAATCGAATGTCCGCTTAGTCGAGCTTGACAGCTCG			
h1genF	CAAAATTCATCCCAATACGACGTTAACTGATATTGAAGGAGCAC	pSD1		
h1genR	CTTTATGCCTGCAGGTCGCGAGCGATCGCGGTACAACCCAGGGCTGGT GACGG			
CRISPR/Cas9-mediated <i>atg8</i> targeting				
334-a-F	CATCTGCGGAACATATACTGGGCCCGGGAAGCGTAAGCTCCCTAATTG GC	pFC334		pVV27
334-b-R	TGATTCTGCTGTCTCGGCTGAGGTCTTAATGAGCCAAGAGCGGATTCC C			
334-a-atg8-R	GACGAGCTTACTCGTTTTCGTCCTCACGGACTCATCAGCAGTATCGGTGA TGTCTGCTCAAGCG			
334-b-atg8-F	TCCGTGAGGACGAAACGAGTAAGCTCGTCCAGTATGCGATCCAAGTTC AGTTTTAGAGCTAGAAATAGCAAGTTAAA			
5flatg8F	GAAACGACAATCTGATCCAAGCTCAAGCTAAAGGGGACAGCGTTATTAT G	Ls.17	pVV25, pVV26	
5flatg8R	GCCCTTGCTCACCATGGTTAGGTAGAAGAGGTACG			
3flatg8F	GACGAGCTGTACAAGATGCGATCCAAGTTCAAGG			
3flatg8R	CTTTATGCCTGCAGGTCGCGAGCGATCGCGGTACGATCACAGCCAGTC CAATAC			
gfp-atg8F	CTCTTCTACCTAACCATGGTGAGCAAGGGCGAG	pIGPAPA	pVV25, pVV26	
gfp-atg8R	GAACTTGGATCGCATCTGTACAGCTCGTCCATGCC			
mchFP-atg8F	CTCTTCTACCTAACCATGGTGAGCAAGGGCGAG	pMaM330		
mchFP-atg8R	GAACTTGGATCGCATGTGCGAGCTTGACAGCTCGTC			
5HA-Vdatg8-F	TAAGCCCTTCTGCTTACCCTTCTCGATCGACGGACCTGTCAACAGCTG CAACGACCCCAACCACAACCGACAGTGCAAACGTACCTCTTCTACCTAA CCATGTGGAGCAAGGGCGAG	pIGPAPA, pMaM330	Ls.17-mCherry- atg8	
3HA-Vdatg8-R	CCACATACAGGAATACGGTCCGAGTACTTCTGACGAATGCGCTCGGCC TCAGCCTTACGCTTCTCGAAGGGGTGCTCGTCTTGAACCTTGGATCGC ATGTCGAGCTTGACAGCTCGTC			
atg8-gen-F	CTTCTGCTTACCCTTCTCGATCGACGGACCTGTCAACAGCTGCAACGA CCCCAACCAACCGACAGTGCAAACGTACCTCTTCTACCTAACCGAC GTTAACTGATATTGAAGGAGCAC	pSD1	Ls.17- Δ atg8	

atg8-gen- R	ACGATGCCCGCCCATGACCACATTTACTCTTCTGACGAATGCGCTCGG CCTCAAGCCTTACGCTTCTCGAAGGGGTGCTAGTCCTTGAACCTTGGATC ACATAACCCAGGGCTGGTGACGG		
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atg1 deletion

5flatg1F	GAAACGACAATCTGATCCAAGCTCAAGCTAGTTATCGCACGCATCCAGC		
5flatg1R	CCACTAGCATTACACGAACACGGCAGCTTGTAGC	Ls.17	pOSCAR-atg1
3flatg1F	GAATAAGGGCGACACAAGTCAACCCATCGCAGGCTG		
3flatg1R	GCCTGCAGGTCGCGAGCGATCGCGGTACCACCGTCTCCTCCTCCA		
atg1hygF	CAAGCTGCCGTGTTCTGTGAATGCTAGTGGAGGTCAAC	pUCATPH	
atg1hygR	CTGCGATGGGTTGACTTGTGTGCGCCCTTATTTCGAC		
Vdatg1F	GCGGATCCGGGGCTACCAG	Ls.17,	Ls.17-Δatg1, PH-Δatg1
Vdatg1R	CTCGCCCGGCCAAGACAG	Ls.17- Δatg1	

PCR validation of heterokaryons

hph-F	GGAGGGCGTGGATATGTCC	specific to the cassette conferring resistance to hygB	double-resistant heterokaryons (hygB ^R and G418 ^R) obtained from the mixed infection experiments (<i>in planta</i>)
hph-R	CAGCTCATCGAGAGCCTG		
gen-F	GCTATGACTGGGCACAAC	specific to the cassette conferring resistance to G418	
gen-R	CAAGACCGGCTTCCATCC		