TABLE S4: Transgenic Plant and T-DNA Insertion Lines Used in This Study; Related to STAR Methods.

A: Transgenic Plant Lines

Genotype[a]	Construct type	Transformation vector[b]	Ecotype	Antibiotic resistance	Reference[c]
35S::GFP	cDNA	pKGWFS7	Ws	Kanamycin	Provided by Lucia C. Strader
35S::GFP-PUX7	cDNA	pMDC43	Ws	Hygromycin	1
35S::GFP-ATG8a	cDNA	pEGAD	Col-0	BASTA	2
UBQ10::mCherry-ATG8a	cDNA	pMDC99	Col-0	Hygromycin	3
cdc48a-1 CDC48a::YFP-CDC48a	Genomic	pPZP211	Col-2	Kanamycin	4
35S::alcR alcA::H6T7-CDC48a	cDNA	pPZP211	Col-2	Kanamycin	4
35S::alcR alcA::H6T7-CDC48a (E308Q E581Q)	cDNA	pPZP211	Col-2	Kanamycin	4

[a] All constructs were transformed into the indicated ecotype via the floral dip method (Clough and Bent, 1998).

[b] Plant transformation vectors are described in: Karimi *et al.*, 2002 (pKGWFS7); Curtis and Grossniklaus, 2003 (pMDC43 and pMDC99); Cutler *et al.*, 2000 (pEGAD); Hajdukiewicz et al., 1994 (pPZP211).

[c] References are: 1. Gallois *et al.*, 2013; 2. Thompson *et al.*, 2005; 3. Suttangkakul *et al.*, 2011; 4. Park *et al.*, 2008.

B: T-DNA Insertion Lines

Gene name	Locus[a]	Line name	Line ID[b]	Insertion site[c]	Ecotype[d]	Reference[e]
ATG7	At5g45900	*atg7-2*	GABI_655_B06	7th exon	Col-0	1
ATG10	At3g07525	*atg10-1*	SALK_084434	4th exon	Col-0	2
ATG13a	At3g49590	*atg13a-2*	SALK_044831	1st exon	Col-0	3
ATG13b	At3g18770	*atg13b-2*	GABI_501_F06	2nd intron	Col-0	3
CDC48a	At3g09840	*cdc48a-1*	SALK_064573	1st intron	Col-0	4

PUX7	At1g14570	pux7-1	FLAG_585C03	1st intron	Ws	5
		pux7-2	WiscDsLox_481_484J16	7th exon	Col-0	This study
		pux7-3	SAIL_386_G09	3′-UTR	Col-3	This study
		pux7-4	SAIL_14_A08	3′-UTR	Col-3	This study
		pux7-5	WiscDsLox_474F01	3′-UTR	Col-0	This study
PUX8	At4g11740	pux8-1	SALK_109655	1st intron	Col-0	This study
		pux8-2	SALK_014680	3rd exon	Col-0	This study
		pux8-3	SALK_014872	N/D	Col-0	This study
		pux8-4	FLAG_148D05	7th exon	Ws	This study
		pux8-5	FLAG_208G07	N/D	Ws	This study
		pux8-6	SALK_131668	8th intron	Col-0	This study
PUX9	At4g00752	pux9-1	SAIL_601_D06	N/D	Col-3	This study
		pux9-2	FLAG_145D06	3rd exon	Ws	This study
		pux9-3	SALK_108534	N/D	Col-0	This study
		pux9-4	SALK_108536	7th intron	Col-0	This study
PUX13	At4g23040	pux13-1	FLAG_379C08	5′-UTR	Ws	This study
		pux13-2	SALK_044544	1st intron	Col-0	This study
		pux13-3	WiscDsLox_383B7	1st intron	Col-0	This study

[a] Locus identifiers are taken from the Arabidopsis Information Resource (www.arabidopsis.org).

[b] T-DNA collections are described in: O'Malley *et al.*, 2015 (GABI-Kat, SALK, SAIL, and WiscDsLox); Bechtold *et al.*, 1993 (FLAG).

[c] N/D, insertion not detected.

[d] Lines were backcrossed at least twice to the respective wild type before analysis.

[e] References are 1. Hofius *et al.*, 2009; 2. Phillips *et al.*, 2008; 3. Suttangkakul *et al.*, 2011; 4. Park *et al.*, 2008; 5. Gallois *et al.*, 2013.