

Table S2. Genomic fragments identified from the high copy suppressors for *arl1Δ*.

Chromosomal Position	Number of isolates	ORFs	Descriptions of proteins expressed by the potential suppressors genes (membrane traffic and autophagy regulators)
II 565073..575246	3	<i>YSY6; ARL1; UBS1; TYR1; POP7; EXO5; PEX32</i>	ARF like small GTP binding protein.
XVI 736052..739759	1	<i>COG4</i>	Essential component of the COG complex, intra-Golgi retrograde traffic.
XII 668013..669540	1	<i>YPT6; VPS63</i>	Small GTP-binding protein from the Rab family.
XII 667891..670087	1	<i>YPT6; VPS63; TMA7</i>	Small GTP-binding protein from the Rab family.
X 274283..280632	1	<i>ALY2; TAX4</i>	EH domain-containing protein; involved in regulating phosphatidylinositol 4,5-bisphosphate levels and autophagy, for targeting Atg17 to PAS.
X 377905..380245	2	<i>SNX4</i>	Sorting nexin; involved in retrieval of late-Golgi SNAREs from post-Golgi endosomes to the trans-Golgi network and in cytoplasm to vacuole transport.
VIII 165120..171159	1	<i>YHI9; SLT2; DAP2 (partial)</i>	Serine/threonine MAP kinase, required for mitophagy and pexophagy.
I 164454..168712	1	<i>BUD14 (Partial)</i>	
II 153600..157666	1	<i>STU1 partial</i>	
II 591904..599696	1	<i>SMP1; YBR182c-a; YPC1; YBR184w; MBA1</i>	
II 647822..652951	1	<i>NGR1; MET8; SDS24</i>	
IV 453510..463729	1	<i>RCR2; RAD57; MAF1; SOK1; TRP1</i>	
IV 660744..666661	1	<i>SPO71; TMS1</i>	
IV 1014928..1024019	1	<i>RNH202; RRP45; PHM6</i>	
V 518873..524809	1	<i>BCK2 (partial); CCA1; RPH1 (partial)</i>	
X 655992..661260	1	<i>VPS70; RSF2 (Partial)</i>	

Table S2. (cont.)

Chromosomal Position	Number of isolates	ORFs	Descriptions of proteins expressed by the potential suppressors genes (membrane traffic and autophagy regulators)
XI 26540..34270	1	<i>DOA1; OXP1; YRA2</i>	
XII 824347..825355	1	<i>KAP95 (Partial); DIC1</i>	
XIII 293842..298645	1	<i>SEC59</i>	
XIV 400634..406605	1	<i>NCS2; DCP2</i>	
XIV 425995..431126	1	<i>MET4</i>	
XIV 438449..444295	1	<i>RAS2; OCA1; PHO23; RPS7B</i>	
XIV 484113..486011	2	<i>APJ1; MKS2</i>	
XIV 499400..504947	1	<i>YNL067W-B; RPL9B; SUN4; AQR1 (partial)</i>	
XIV 736086..743426	1	<i>MNT4; FRE4; YNR061C</i>	
XV 869387..871541	1	<i>YOR296w</i>	
XVI 764542..770706	1	<i>MRI1</i>	