

**Table S1. IAPP overexpression suppressors. Related to Figure 2.** The verified suppressors recovered from the genome-wide overexpression screen.

<b>Rank</b>	<b>Systematic name</b>	<b>Standard Name</b>	<b>Brief Description</b>
1	YJR117W	STE24	Highly conserved zinc metalloprotease
2	YPR049C	ATG11	Adapter protein for pexophagy and the Cvt targeting pathway
3	YBR057C	MUM2	Protein essential for meiotic DNA replication and sporulation
4	YGR241C	YAP1802	Protein of the AP180 family, involved in clathrin cage assembly
5	YBL103C	RTG3	bHLH/Zip transcription factor for retrograde (RTG) and TOR pathways
6	YEL031W	SPF1	P-type ATPase, ion transporter of the ER membrane
7	YDR335W	MSN5	Karyopherin
8	YOL001W	PHO80	Cyclin
9	YPL030W	TRM44	tRNA(Ser) Um(44) 2'-O-methyltransferase
10	YOR081C	TGL5	Bifunctional triacylglycerol lipase and LPA acyltransferase
11	YDL020C	RPN4	Transcription factor that stimulates expression of proteasome genes
12	YOR315W	SFG1	Nuclear protein putative transcription factor
13	YLL010C	PSR1	Plasma membrane associated protein phosphatase
14	YHR101C	BIG1	Integral membrane protein of the endoplasmic reticulum
15	YPL160W	CDC60	Cytosolic leucyl tRNA synthetase
16	YDL129W		Protein of unknown function
17	YOR067C	ALG8	Glucosyl transferase
18	YPL014W	CIP1	Cyclin-dependent kinase inhibitor
19	YBL051C	PIN4	Protein involved in G2/M phase progression and response to DNA damage
20	YJL089W	SIP4	C6 zinc cluster transcriptional activator
21	YOR083W	WHI5	Repressor of G1 transcription
22	YLR423C	ATG17	Scaffold protein responsible for phagophore assembly site organization
23	YNL186W	UBP10	Ubiquitin-specific protease, deubiquitinates Ub-protein moieties
24	YLR082C	SRL2	Protein of unknown function
25	YKL204W	EAP1	eIF4E-associated protein, competes with eIF4G for binding to eIF4E
26	YEL043W		Predicted cytoskeleton protein involved in intracellular signaling
27	YDR227W	SIR4	SIR protein involved in assembly of silent chromatin domains
28	YDL175C	AIR2	RNA-binding subunit of the TRAMP nuclear RNA surveillance complex
29	YKL214C	YRA2	Member of the REF (RNA and export factor binding proteins) family