Table S4. Name and description of the genes identified that are essential for caspase-10-induced toxicity.

ORF	*Name*	*SGD description*	*No. of suppressors identified*
YHR005C	*GPA1*	GTP-binding alpha subunit of the heterotrimeric G protein that couples to pheromone receptors.	2
YDL159W	*STE7*	Signal transducing MAP kinase kinase involved in pheromone response.	3
YLR362W	*STE11*	Signal transducing MEK kinase involved in pheromone response and pseudohyphal/invasive growth pathways.	1
YHL007C	*STE20*	Cdc42p-activated signal transducing kinase of the PAK (p21-activated kinase) family, involved in pheromone response, pseudohyphal/invasive growth, and vacuole inheritance.	3
YBL016W	*FUS3*	Mitogen-activated serine/threonine protein kinase involved in mating.	2
YGR040W	*KSS1*	Mitogen-activated protein kinase (MAPK) involved in signal transduction pathways that control filamentous growth and pheromone response.	5
YHR030C	*SLT2*	Serine/threonine MAP kinase involved in regulating the maintenance of cell wall integrity and progression through the cell cycle.	2
YDL134C	*PPH21*	Catalytic subunit of protein phosphatase 2A (PP2A), functionally redundant with Pph22p.	4
YDL188C	*PPH22*	Same as *PPH21*.	1
YDR075W	*PPH3*	Catalytic subunit of an evolutionarily conserved protein phosphatase complex containing Psy2p and the regulatory subunit Psy4p.	3
YER089C	*PTC2*	Type 2C protein phosphatase; dephosphorylates Hog1p to limit maximal osmostress induced kinase activity.	1
YBL056W	*PTC3*	Same as *PTC2*.	1
YJL164C	*TPK1*	cAMP-dependent protein kinase catalytic subunit.	1
YPL203W	*TPK2*	cAMP-dependent protein kinase catalytic subunit.	2
YKL166C	*TPK3*	cAMP-dependent protein kinase catalytic subunit.	1
YMR052W	*FAR3*	Protein involved in recovery from cell cycle arrest in response to pheromone.	2
YFR008W	*FAR7*	Protein involved in recovery from cell cycle arrest in response to pheromone.	1
YMR029C	*FAR8*	Protein involved in recovery from cell cycle arrest in response to pheromone.	1
YDR200C	*FAR9*	Protein required for cytoplasm to vacuole targeting of proteins; forms a complex with Far3p and Far7p to Far11p involved in recovery from pheromone-induced cell cycle arrest.	3
YLR238W	*FAR10*	Protein involved in recovery from cell cycle arrest in response to pheromone.	2
YNL127W	*FAR11*	Protein involved in recovery from cell cycle arrest in response to pheromone.	6

YGL180W	*ATG1*	Protein ser/thr kinase required for vesicle formation in autophagy and the cytoplasm-to-vacuole targeting (Cvt) pathway.	3
YNL223W	*ATG4*	Conserved cysteine protease required for autophagy.	2
YPL120W	*ATG6*	Subunit of phosphatidylinositol (PtdIns) 3-kinase complexes I and II.	1
YBL078C	*ATG8*	Component of autophagosomes and Cvt vesicles.	1
YPR185W	*ATG13*	Regulatory subunit of the Atg1p signaling complex.	2
YMR037C	*MSN2*	Transcriptional activator related to Msn4p; activated in stress conditions.	1
YER040W	*GLN3*	Transcriptional activator of genes regulated by nitrogen catabolite repression (NCR).	1
YIL130W	*ASG1*	Zinc cluster protein proposed to function as a transcriptional regulator involved in the stress response.	2
YPL248C	*GAL4*	Transcription factor required for the activation of the GAL genes in response to galactose.	5
YDR443C	*SSN2*	Subunit of the RNA polymerase II mediator complex.	1
YDL093W	*PMT5*	Protein O-mannosyltransferase.	1
YIR002C	*MPH1*	Member of the DEAH family of helicases.	1
YIL030C	*SSM4*	Ubiquitin-protein ligase involved in ER-associated protein degradation.	2
YML068W	*ITT1*	Protein that modulates the efficiency of translation termination.	1
YDR001C	*NTH1*	Neutral trehalase.	1
YLL049W	*LDB18*	Protein of unknown function; required for nuclear migration.	1
YNL197C	*WHI3*	RNA binding protein that sequesters CLN3 mRNA in cytoplasmic foci.	2
YPL079W	*RPL21B*	Protein component of the large (60S) ribosomal subunit.	1
YLR368W	*MDM30*	F-box protein.	1
YOR198C	*BFR1*	Component of mRNP complexes associated with polyribosomes.	1
YOR130C	*ORT1*	Ornithine transporter of the mitochondrial inner membrane.	1
YKL096W	*CWP1*	Cell wall mannoprotein.	2
YKL093W	*MBR1*	Protein involved in mitochondrial functions and stress response.	1
YER080W	*AIM9*	Putative protein of unknown function.	1
YPL177C	*CUP9*	Homeodomain-containing transcriptional repressor of PTR2.	2