

**Table S3. Top gene ontology terms associated with *S. cerevisiae* genes that are up- or down-regulated in rich vs. minimal media.**

Category	GO Term	$-\log_{10}P$
Up-regulated	BP vacuole organization	2.7
	BP organelle fusion	2.7
	BP ER to Golgi vesicle-mediated transport	2.7
	CC endoplasmic reticulum	5.6
	CC endomembrane system	5.3
	CC integral component of membrane	5.0
Down-regulated	BP carboxylic acid metabolic process	17.4
	BP small molecule metabolic process	13.1
	BP organonitrogen compound metabolic process	12.5
	CC cytosol	5.6
	CC mitochondrion	5.4
	CC cytoplasmic part	3.9

GO, gene ontology; BP, biological process; CC, cellular component. P-value is based on the hypergeometric test.