

Supplemental table 2. List of genes that failed to be analyzed for mitochondrial morphology defects. 19 mutants are listed that could not be analyzed for mitochondrial morphology defects because strains failed to grow in liquid media, or transformants with a plasmid expressing mitochondria-targeted GFP could not be obtained. The systematic gene name is indicated together with the standard gene name and a brief description of the protein's function (Costanzo *et al.*, 2001).

Strains that failed to be analyzed for mitochondrial morphology defects

YDR115W, probable component of the mitochondrial ribosome
YDR347W/MRP1, mitochondrial ribosomal protein of the small subunit
YDR470C/UGO1, protein of the mitochondrial outer membrane required for mitochondrial fusion
YER014W/HEM14, protoporphyrinogen oxidase
YGL070C/RPB9, RNA polymerase II, non-essential subunit, not shared
YGR262C/BUD32, may be involved in polar bud site selection in diploid cells
YJR122W/CAF17, component of the CCR4 transcription complex
YKL169C, unknown function; questionable ORF
YLR304C/ACO1, aconitate hydratase (aconitase)
YLR382C/NAM2, leucyl-tRNA synthetase, mitochondrial
YNL064C/YDJ1, protein involved in protein import into mitochondria and ER
YNL080C, unknown function
YOR241W/MET7, involved in methionine biosynthesis and maintenance of mitochondrial genome
YOR305W, unknown function
YPL050C/MNN9, required for complex N-glycosylation
YPL148C/PPT2, acyl carrier-protein synthase
YPL183W-A, possible mitochondrial ribosomal protein
YPR036W/VMA13, vacuolar H(+)-ATPase (V-ATPase) 54 kDa subunit of V1 sector
YPR072W/NOT5, negatively regulates transcription of TATA-less promoters

Reference

Costanzo, M.C. *et al.* (2001). YPDTM, PombePDTM and WormPDTM: model organism volumes of the BioKnowledgeTM Library, an integrated resource for protein information. *Nucl. Acids Res.* 29, 75-79.