Lysine degradation (budding yeast) Glycerolipid metabolism (budding yeast) Glycolysis / Gluconeogenesis (budding yeast) Fatty acid degradation (budding yeast) number of genes Longevity regulating pathway - multiple species (budding yeast) Tryptophan metabolism (budding yeast) 25 beta-Alanine metabolism (budding yeast) 50 Valine, leucine and isoleucine degradation (budding yeast) 75 Starch and sucrose metabolism (budding yeast) Pantothenate and CoA biosynthesis (budding yeast) Ubiquinone and other terpenoid-quinone biosynthesis (budding yeast) 100 Valine, leucine and isoleucine biosynthesis (budding yeast) 2-Oxocarboxylic acid metabolism (budding yeast) p.adjust Biosynthesis of cofactors (budding yeast) Citrate cycle (TCA cycle) (budding yeast) 0.04Ribosome (budding yeast) Biosynthesis of amino acids (budding yeast) 0.03 Biosynthesis of secondary metabolites (budding yeast) 0.02 RNA polymerase (budding yeast) Carbon metabolism (budding yeast) 0.01 Oxidative phosphorylation (budding yeast) Glyoxylate and dicarboxylate metabolism (budding yeast)

Ribosome biogenesis in eukaryotes (budding yeast)

Glycine, serine and threonine metabolism (budding yeast)

Pyruvate metabolism (budding yeast)