S. cerevisiae genome-scale metabolic model iIN800

Glucose metabolism and central pathways

C2 metabolism

Inorganic metabolism

Nucleotide sugars

Chitin biosynthesis

Chitin hydrolysis

Mitochondrian Fatty acids synthase

TCA cycle

Branched amino acids (Valine, leucine, isoleucine)

Alanine and aspartate conversions

Lysine

Proline conversions

Cardiolipin Biosynthesis

Glutamate, Glutamine

Proline

Methionine

Cysteine

Homoserine

Glycine, Serine, Threonine

Aromatic AA

Histidine

AA biosynthesis

Fatty Acid Elongation

Fatty acid beta-oxidation

Fatty acid synthesis

Energy metabolism

Proton pump

GLYCOPROTEIN BIOSYNTHESIS / DEGRADATION

QUINONE BIOSYNTHESIS

QUINONE BIOSYNTHESIS

Pyrimidine metabolism

Purine metabolism

Folate biosynthesis

NAD and NADPH biosynthesis

CoA and pantothenate biosynthesis

Biotin biosynthesis

RIBOFLAVIN METABOLISM

THIAMINE (VITAMIN B1) METABOLISM

VITAMIN B6 (PYRIDOXINE) BIOSYNTHESIS METABOLISM

Sphingolipids Biosynthesis

Biosynthesis of lanosterol

Biosynthesis of zymosterol

Biosynthesis of ergosterol

Ergosterolester metabolism

Glycerolipid metabolism

Phosphatidylinositol biosynthesis