# Metabolic map of Aspergillus oryzae

Extracellular space compartment
Cytosol compartment
Mitochondria compartment
Peroxisome compartment
Nucleotide sugars metabolism
C6 metabolism
Glycolysis/gluconeogenesis
Pentose phosphate pathway
C5 metabolism
C4 metabolism
C3 metabolism
C2 metabolism
Nitrogen metabolism
Sulfur metobolism
Carbohydrate metabolism
Pyruvate metabolism
C12 metabolism
C1 metabolism
To export transporter
Nucleotide metabolism
Purine metabolism
Pyrimidine metabolism
To Mitochondria
Fatty acid catabolism
TCA cycle
Lipid conversion
Ubiquinone conversion
NAD and NADP conversion
COA and pantothenate conversion
Porphyrin and heme conversion
Biotin conversion
Nucleotide conversion
Energy metabolism
Aromatic amino acid conversion
(Phynylalanine, tyrosine,tryptophan)
Branched amino acid metabolism
(Valine, leucine and isoleucine)
Glycine, serine and threonine conversion
Proline conversions
Glutamate conversion
Alanine and aspartate conversion
Lysine conversion
Aminoacyl-tRNA biosynthesis
Arginine metabolism
Amino acid metabolism
Aspartate and asparagine metabolism
Beta- alanine
Histidine metabolism
Lysine metabolism
Glutamate and glutamine metabolism
Proline metabolism
Alanine metabolism
Glycine, serine, threonine metabolism
Phenylalanine, tyrosine and tryptophan metabolism
Cysteine metabolism
Methionine metabolism
Glutathione metabolism
Branched amino acids conversion
(Valine, leucine and isoleucine)
Cyanoamino acid metabolism
Taurine and hypotaurine metabolism
Protein synthesis
To Peroxisome
ARG biosynthesis
Aminoacyl-tRNA biosynthesis
Methylcitrate conversion
Glyoxylate conversion
Urate conversion
Glycolate conversion
To Cytosol
Fatty acid biosynthesis
Cofactor metabolism
Folate biosynthesis
Thiamine metabolism
NAD and NADP conversion
Biotin metabolism
Porphyrin and heme metabolism
Pennicillin biosynthesis
Secondary metabolism
Sterigmatocystin/Aflatoxin biosynthesis
Melanin biosynthesis
Pentaketide melanin biosynthesis
CoA and pantothenate biosynthesis
Vitamin B6 metabolism
Riboflavin, FMN, and FAD metabolism
Ubiquinone metabolism
Flavonoid biosynthesis
Lipid metabolism
Cholesterol metabolism
Sphingoglycolipid metabolism
Biosynthesis of lanosterol
Biosynthesis of zymosterol
Glycerolipid metabolism
Glycolipid metabolism
Phosphatidylinositol biosynthesis
Ergosterol esters metabolism
Phospholipid metabolism
Biosynthesis of ergosterol
Polysaccharide metabolism
(Starch, cellulose, mannan, xylan and chitin)
TO Glycolysis