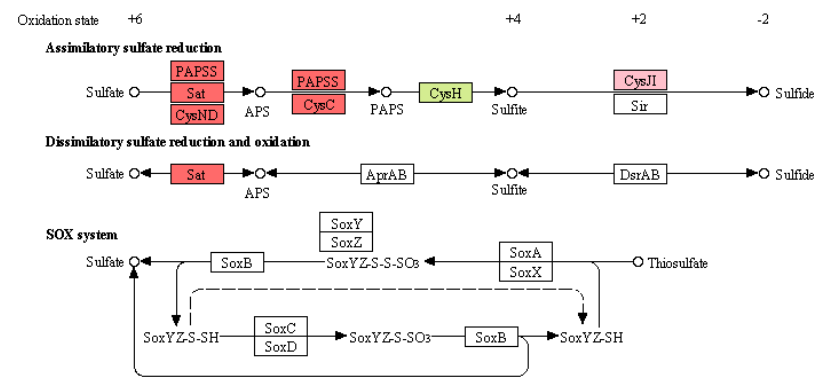
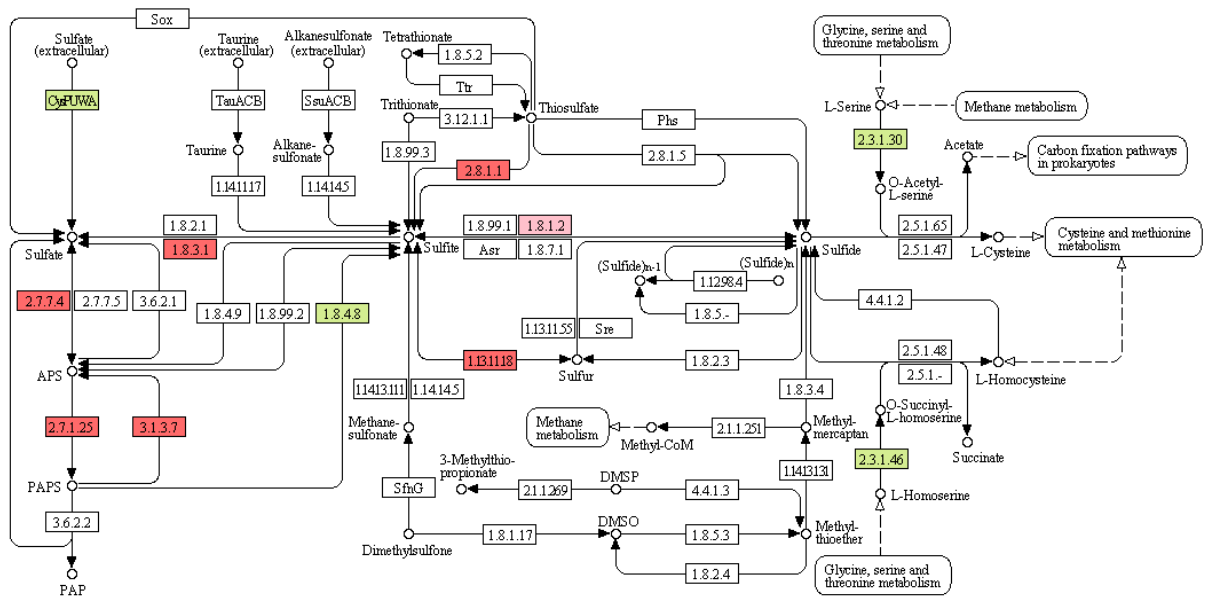
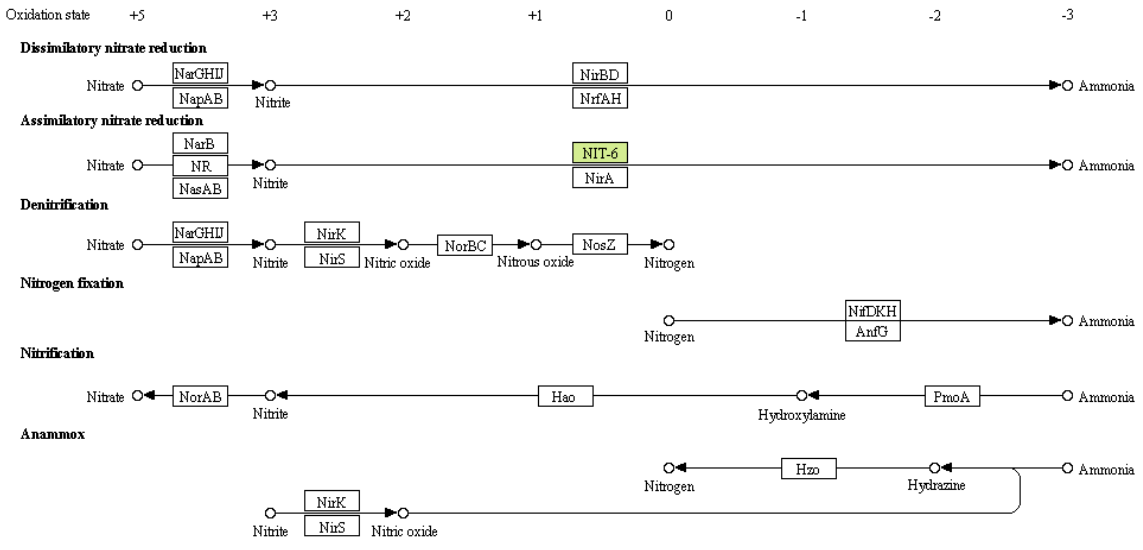
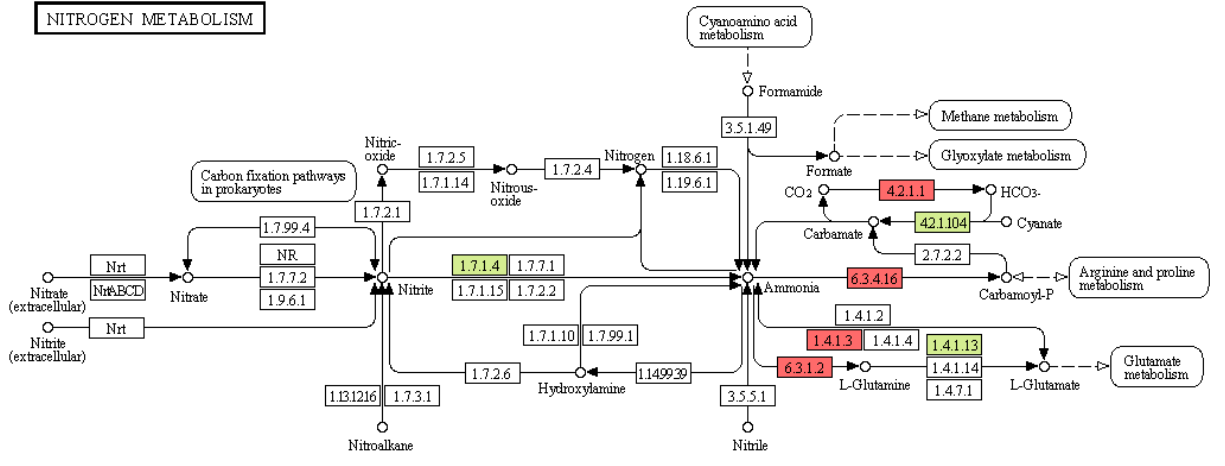


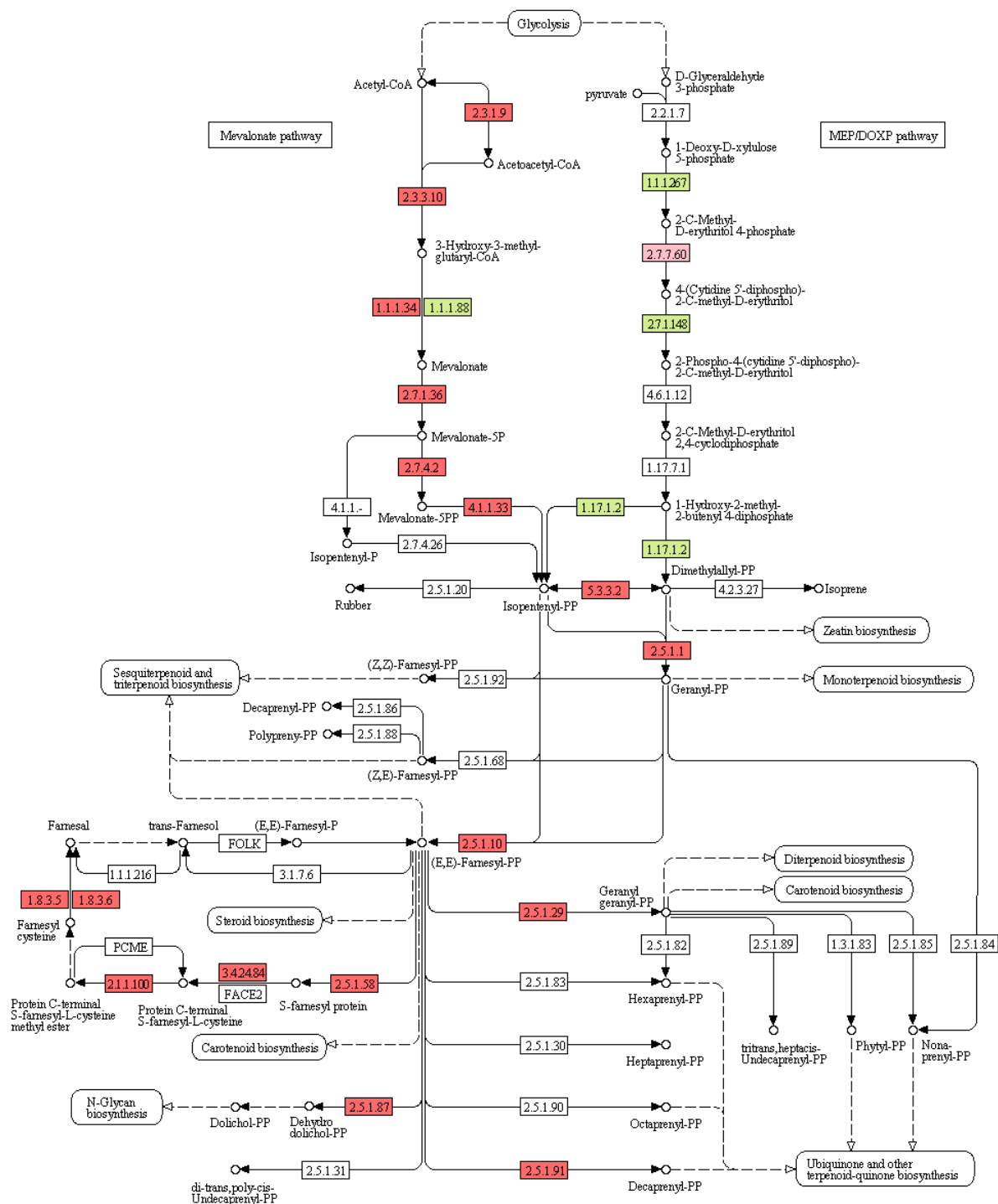
SULFUR METABOLISM



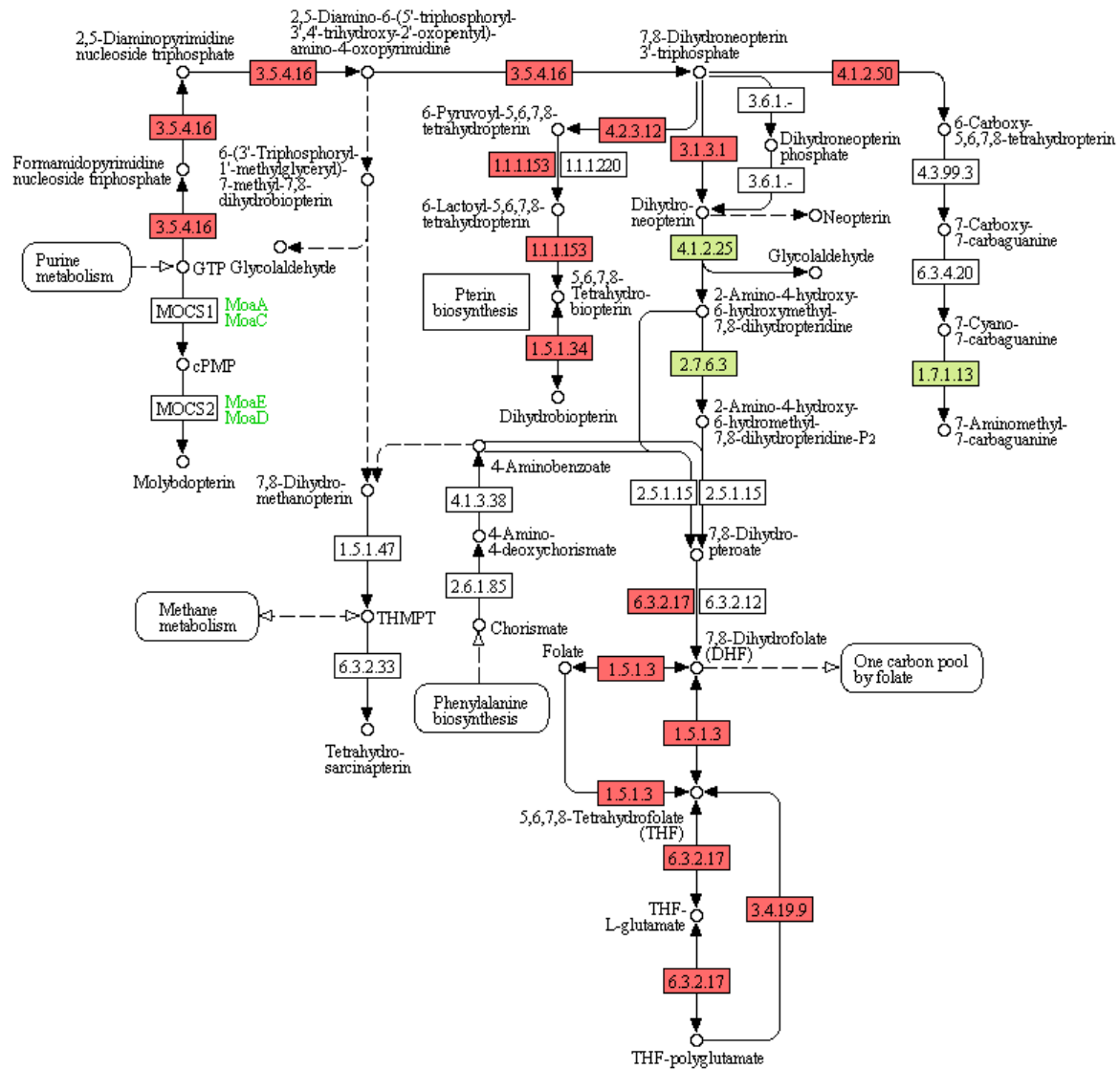
NITROGEN METABOLISM



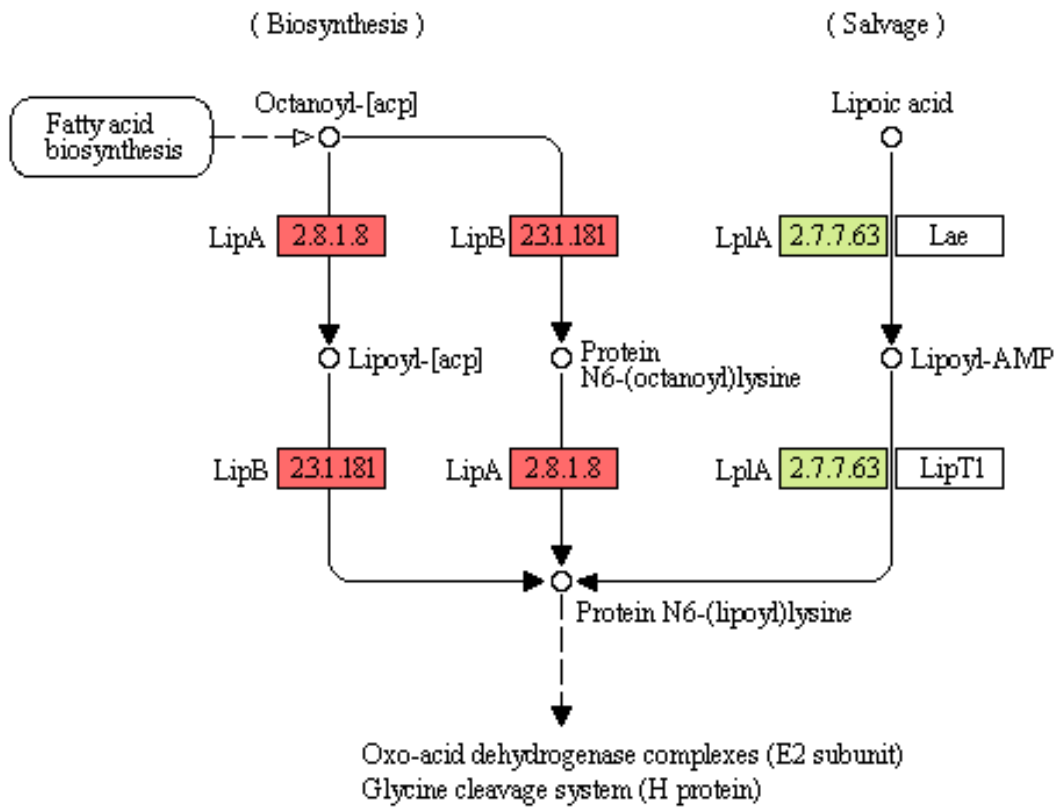
TERPENOID BACKBONE BIOSYNTHESIS



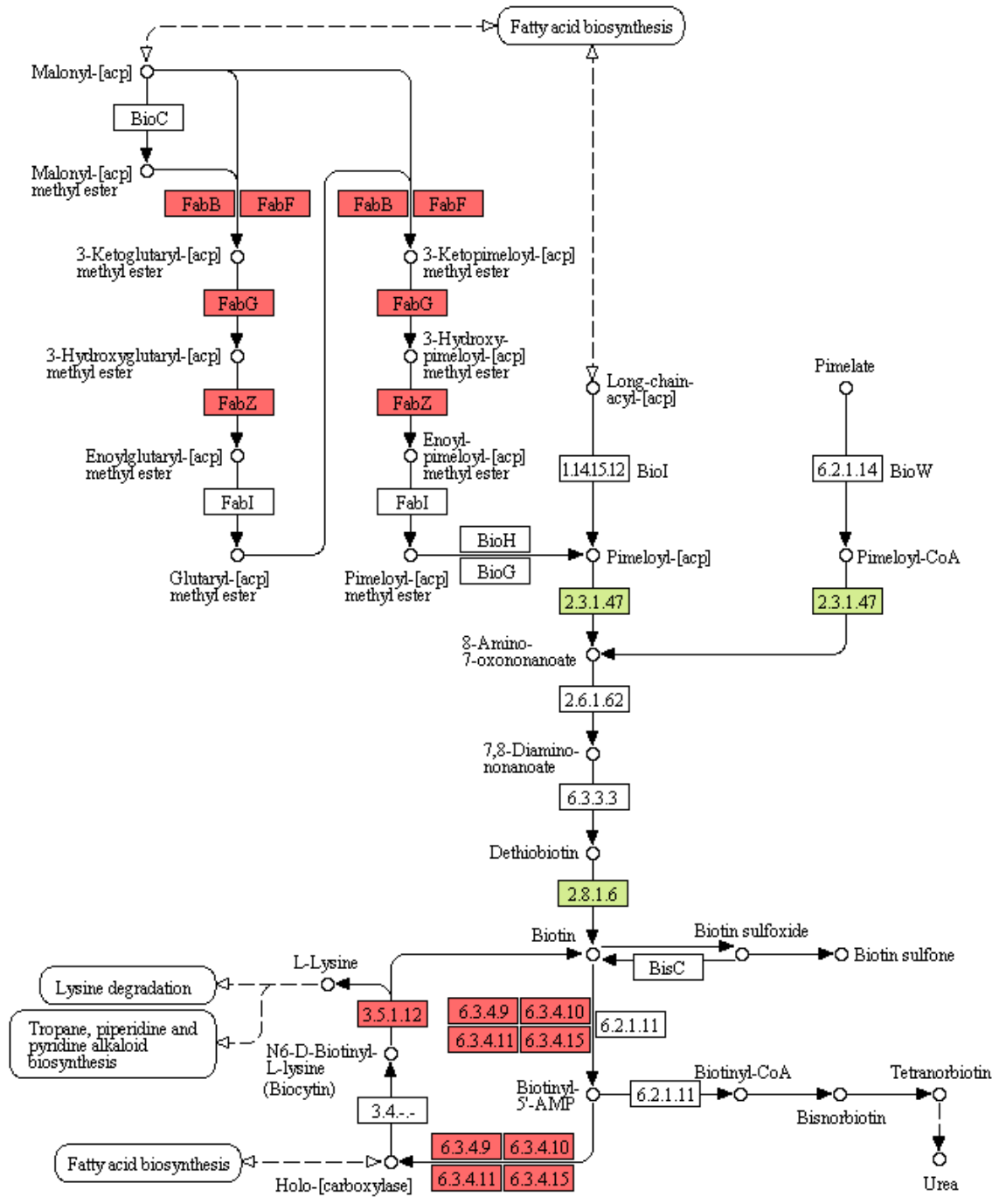
FOLATE BIOSYNTHESIS



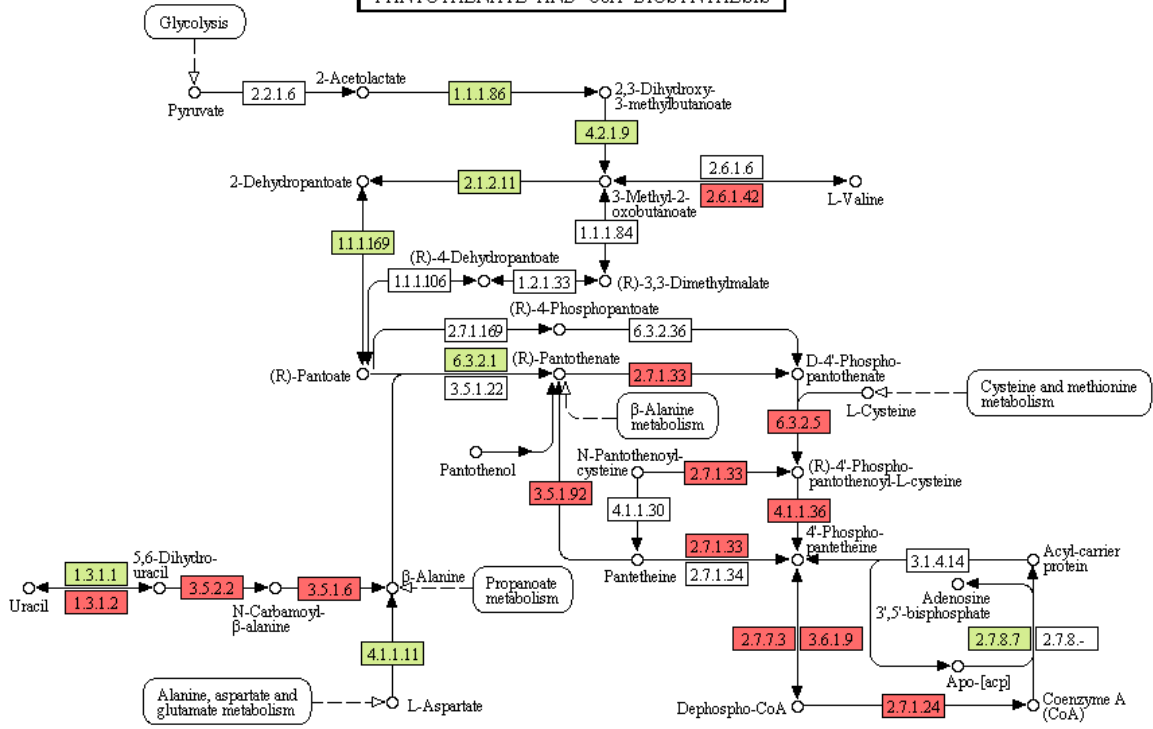
LIPOIC ACID METABOLISM



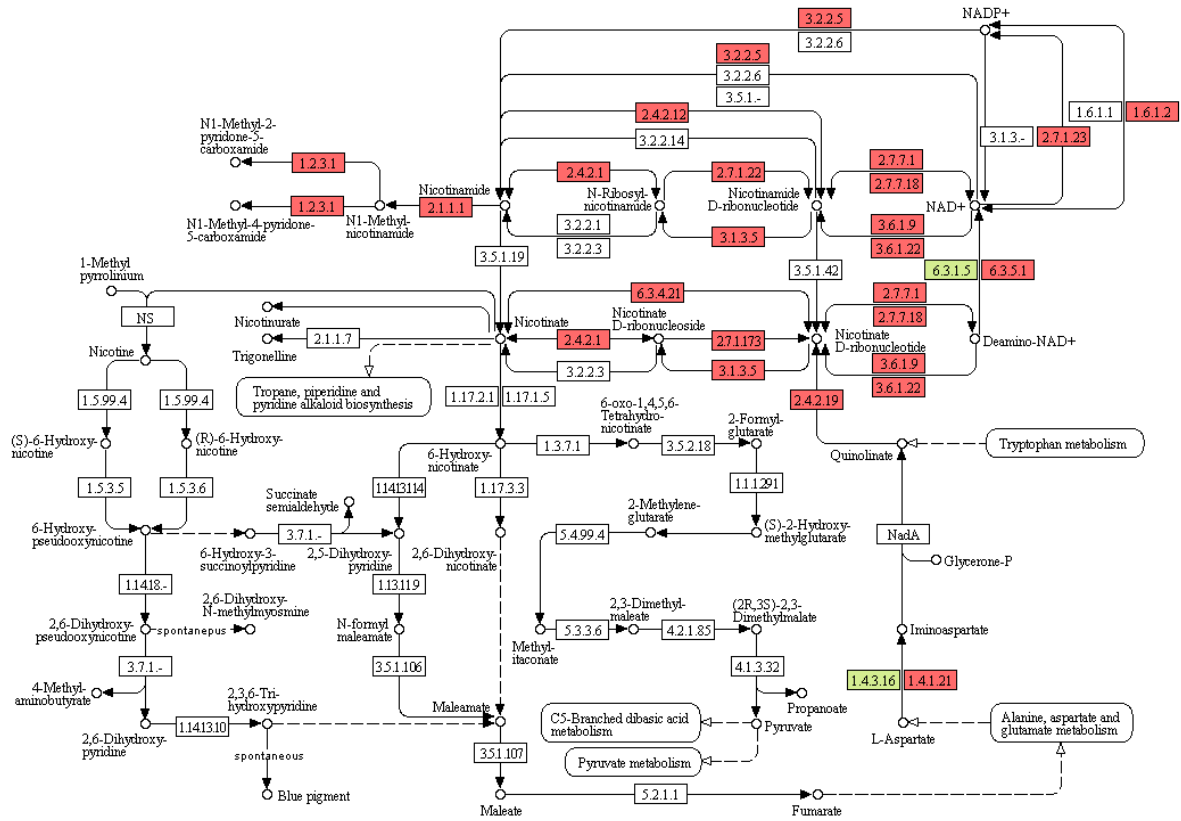
BIOTIN METABOLISM



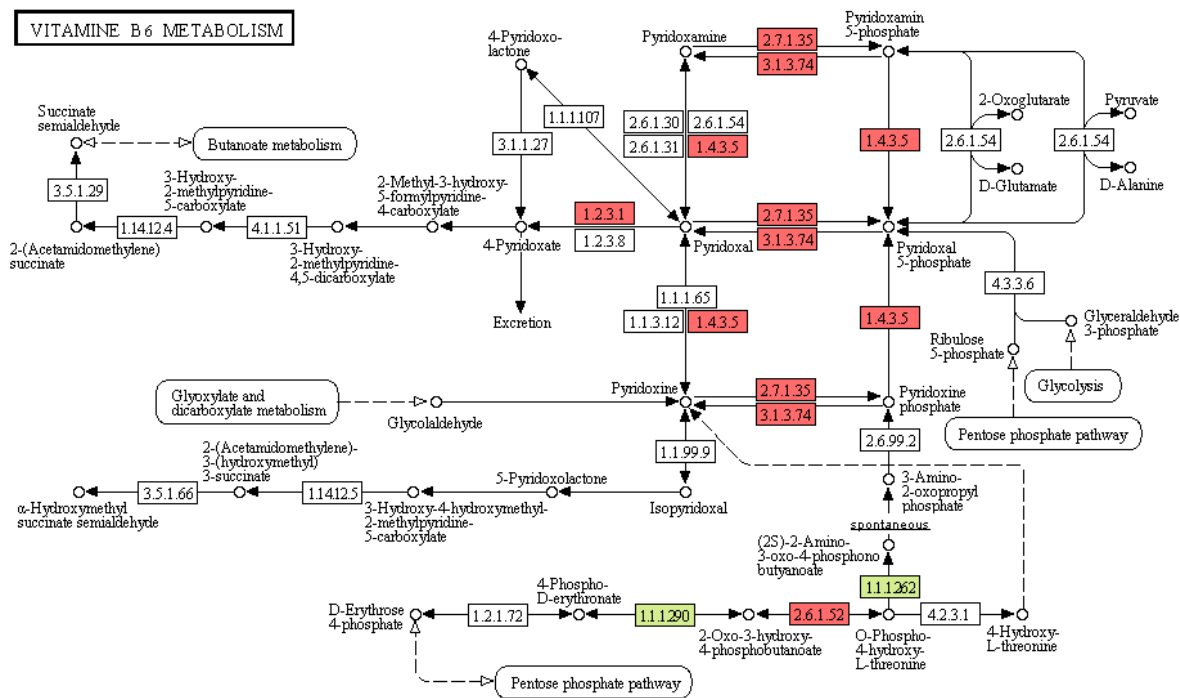
PANTOTHENATE AND CoA BIOSYNTHESIS



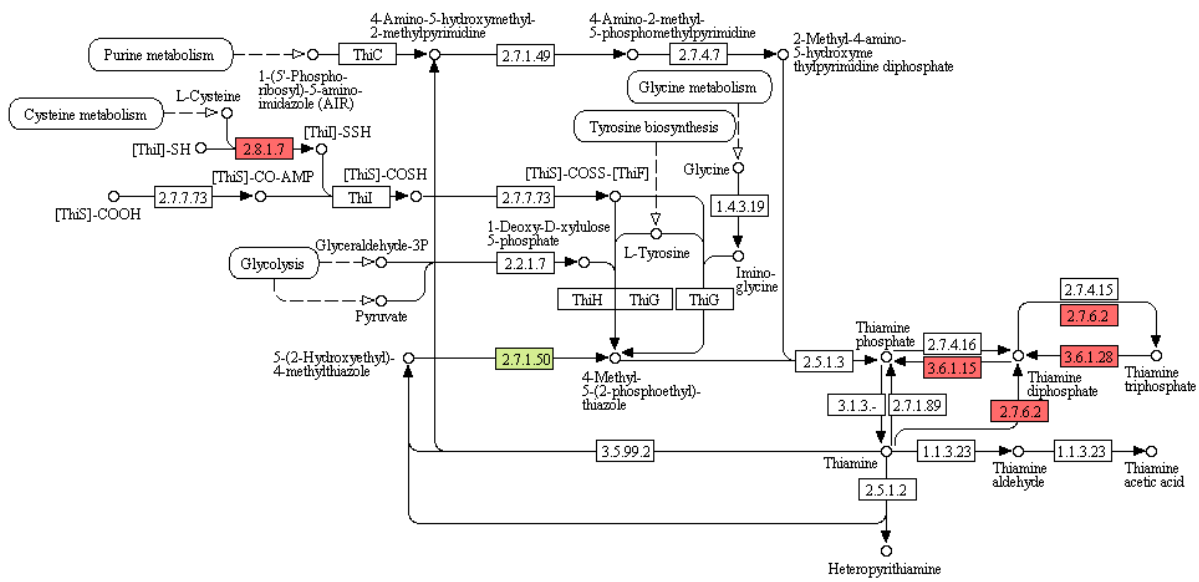
NICOTINATE AND NICOTINAMIDE METABOLISM



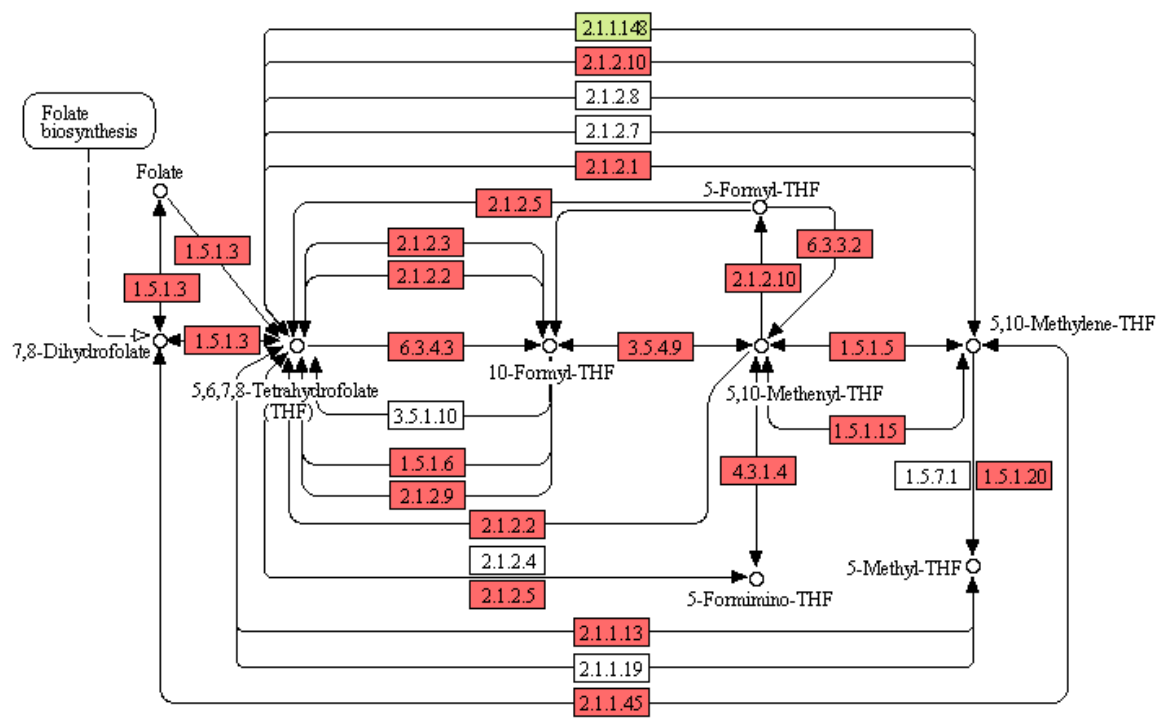
VITAMINE B6 METABOLISM



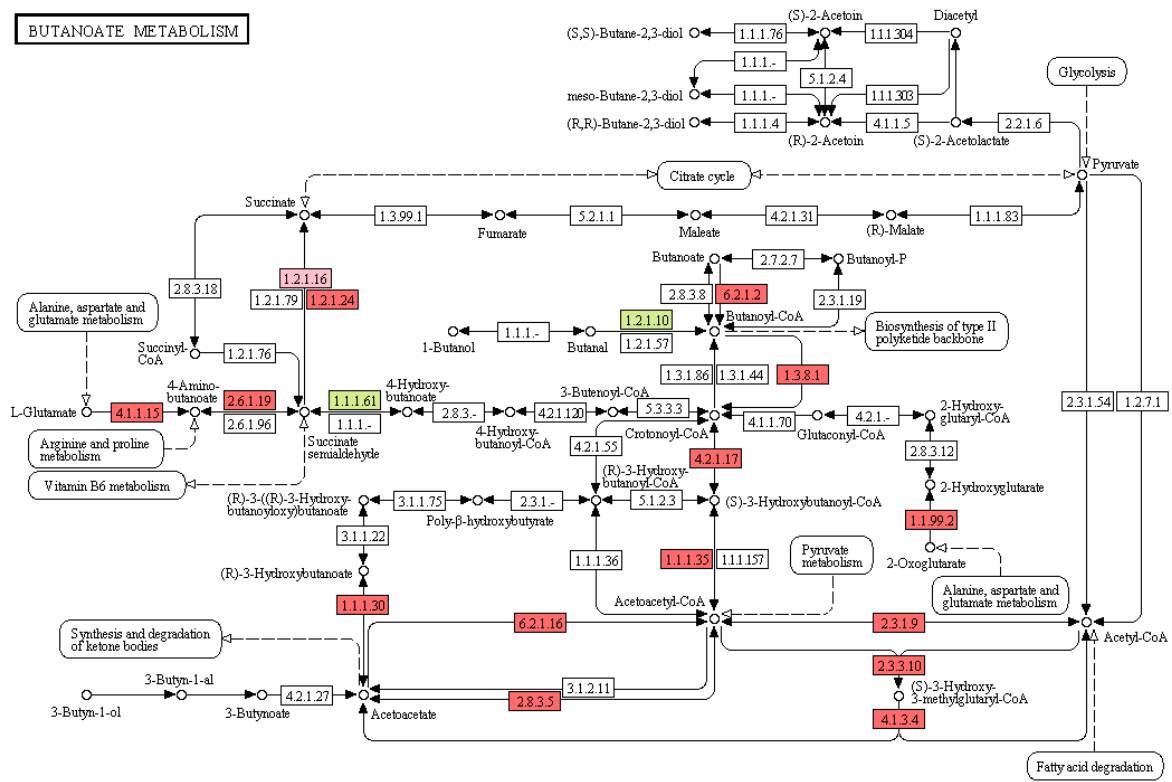
THIAMINE METABOLISM



ONE CARBON POOL BY FOLATE

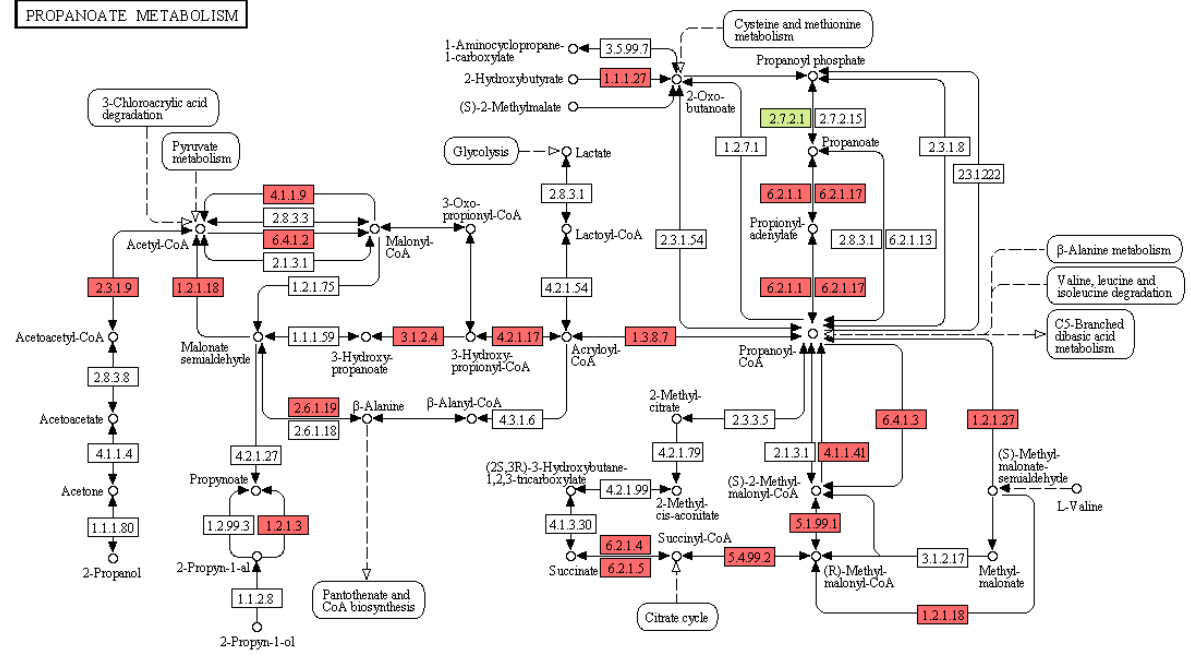


BUTANOATE METABOLISM

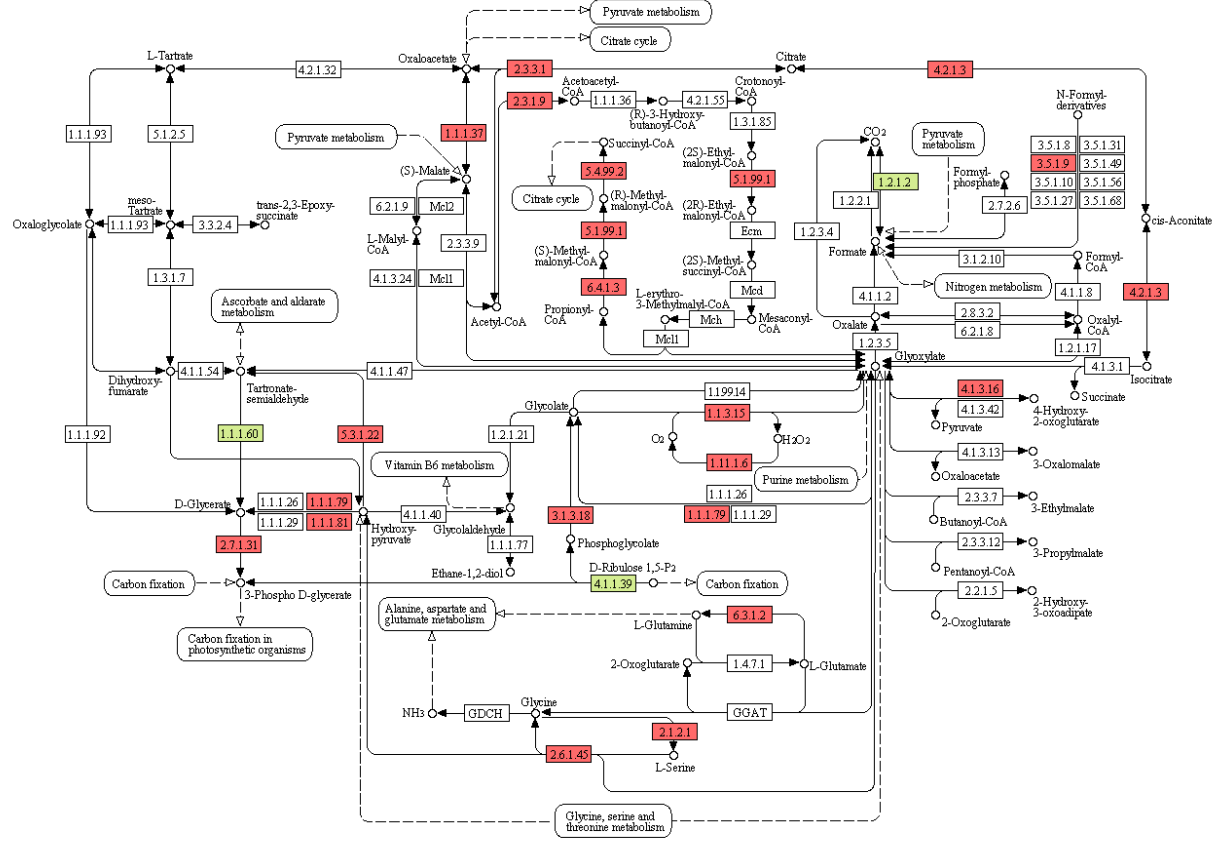


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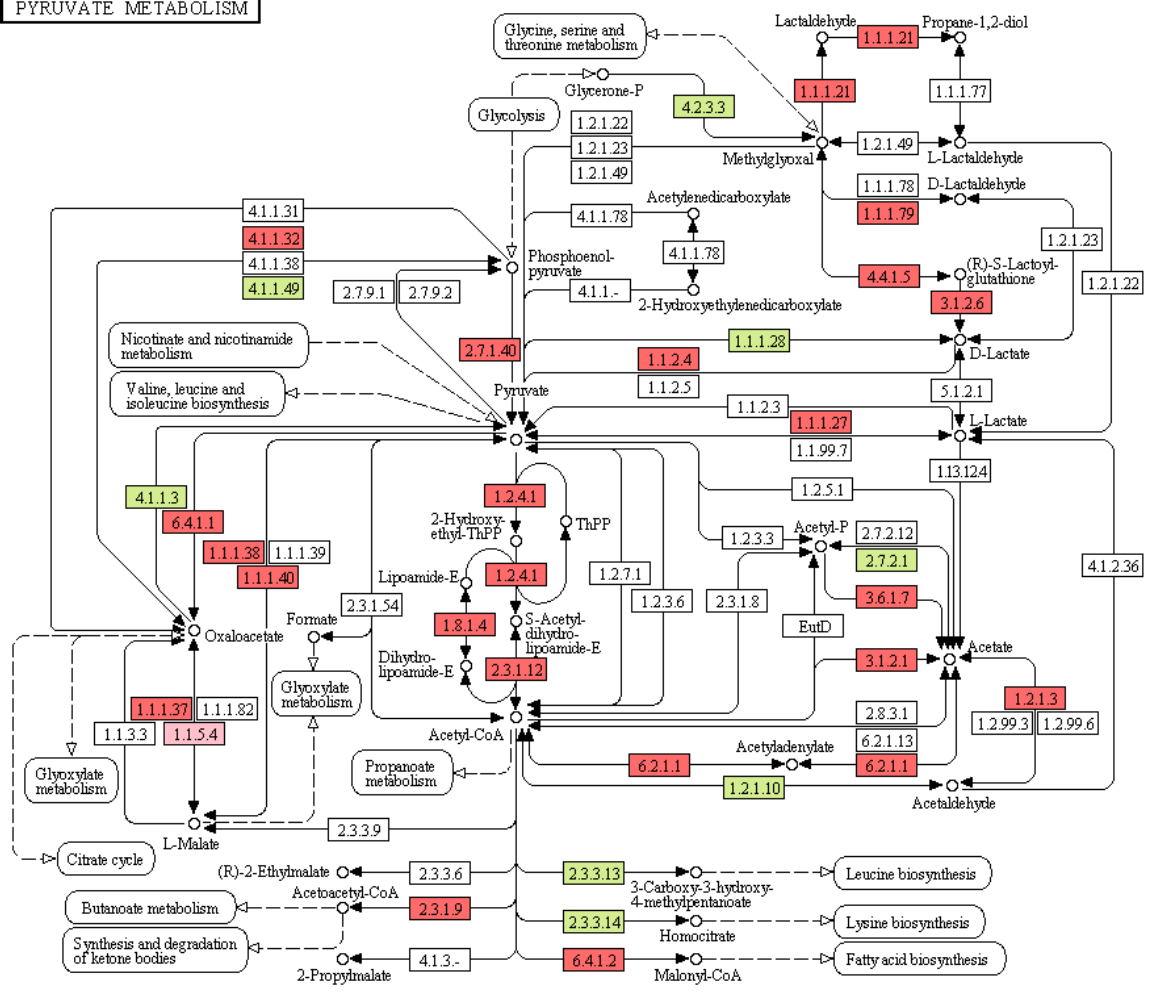
PROPANOATE METABOLISM



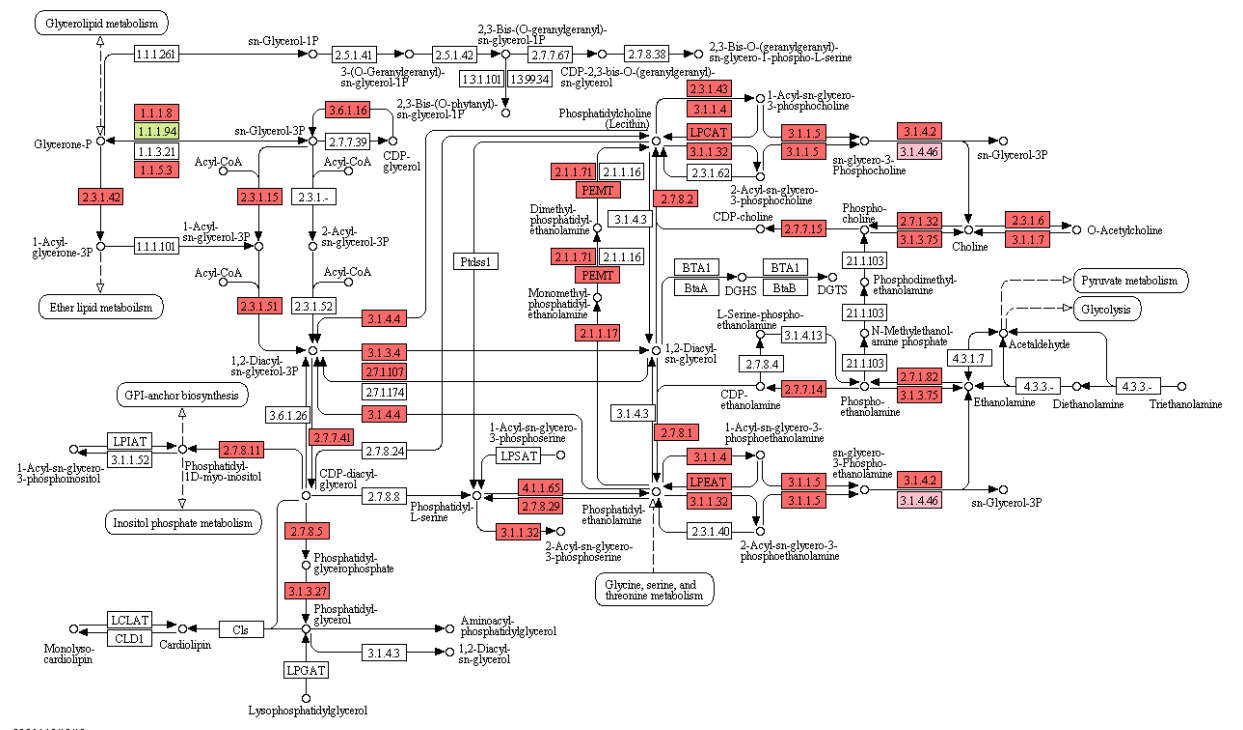
GLYOXYLATE AND DICARBOXYLATE METABOLISM



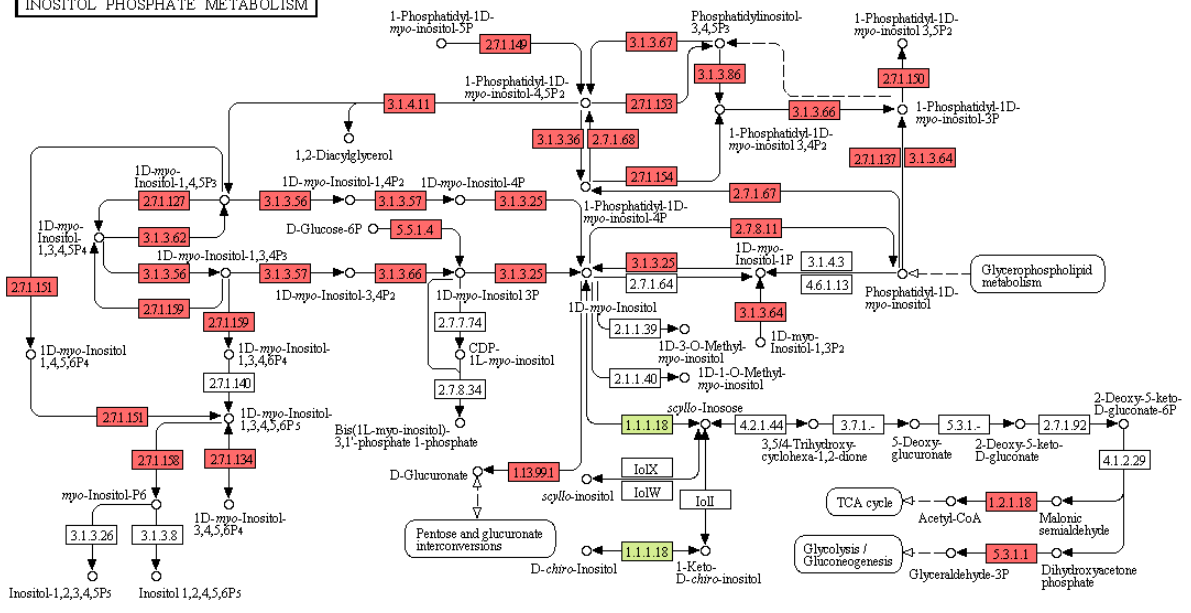
PYRUVATE METABOLISM



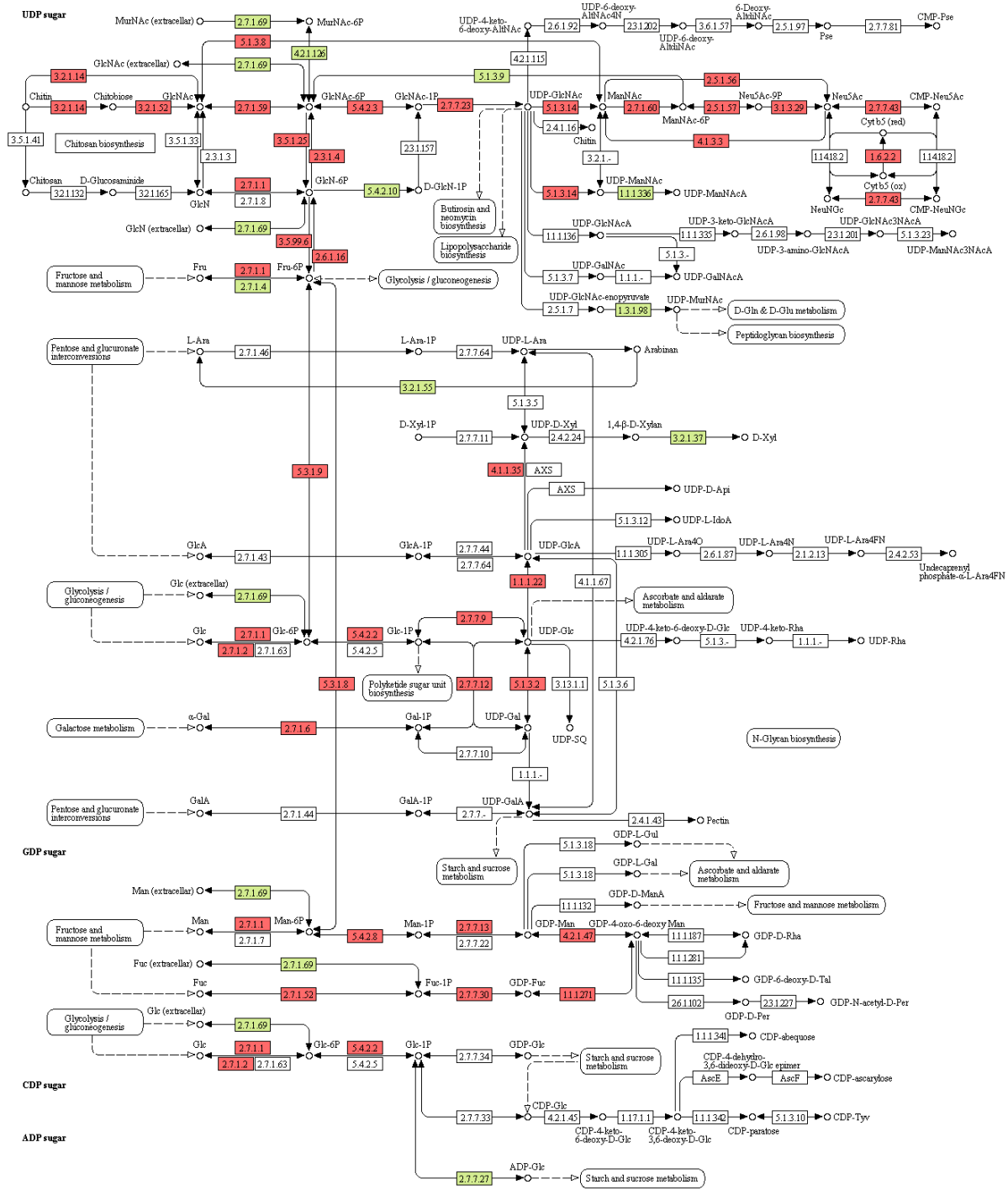
GLYCEROPHOSPHOLIPID METABOLISM



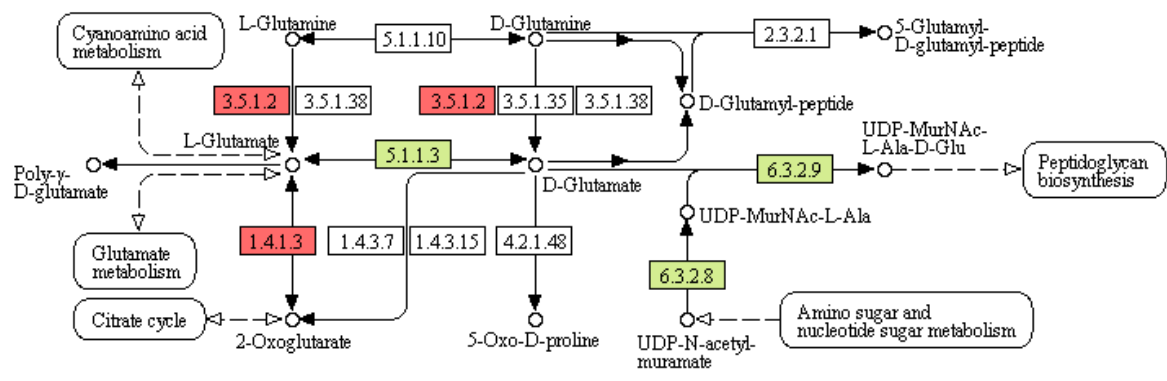
INOSITOL PHOSPHATE METABOLISM



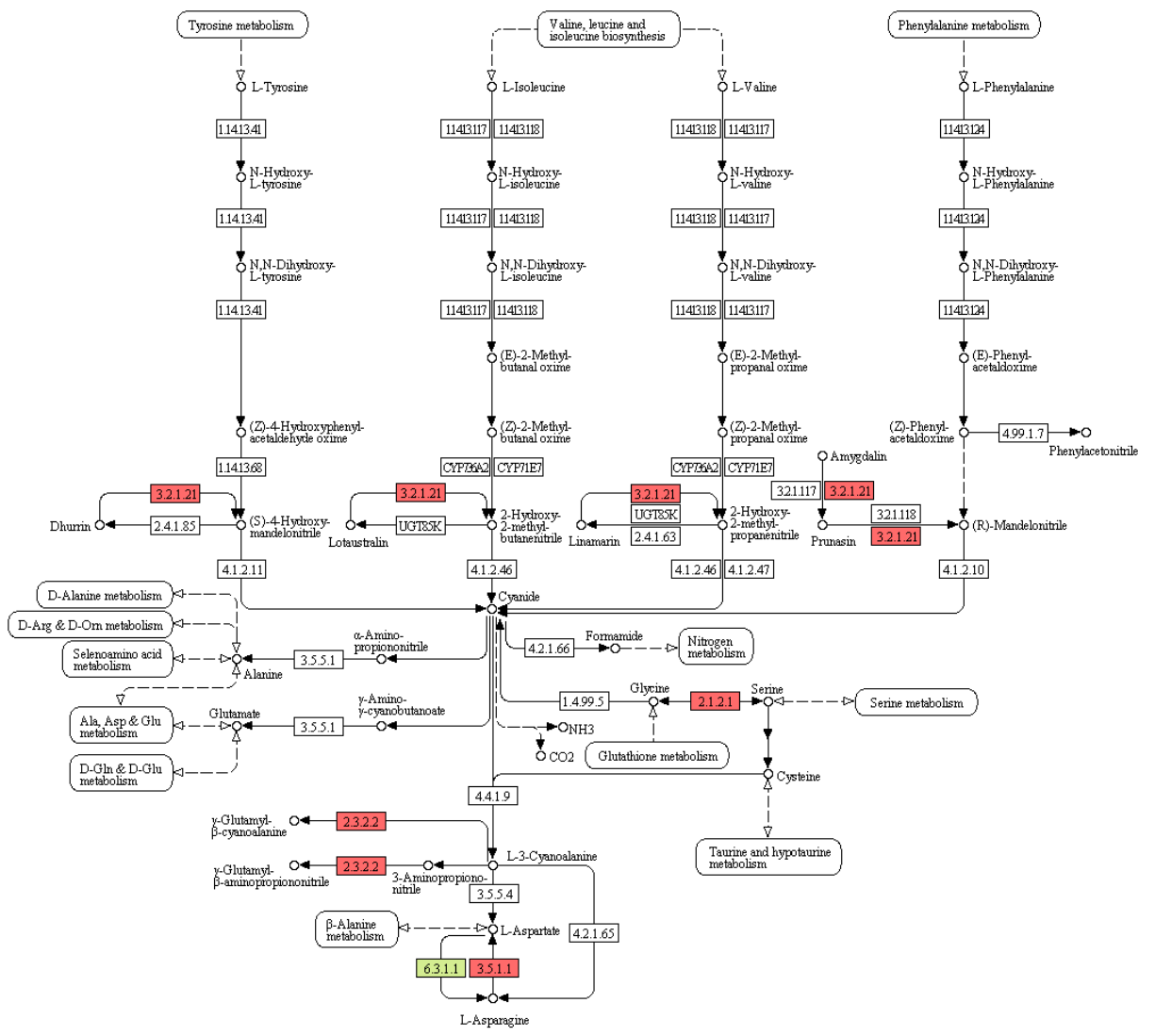
AMINO SUGAR AND NUCLEOTIDE SUGAR METABOLISM



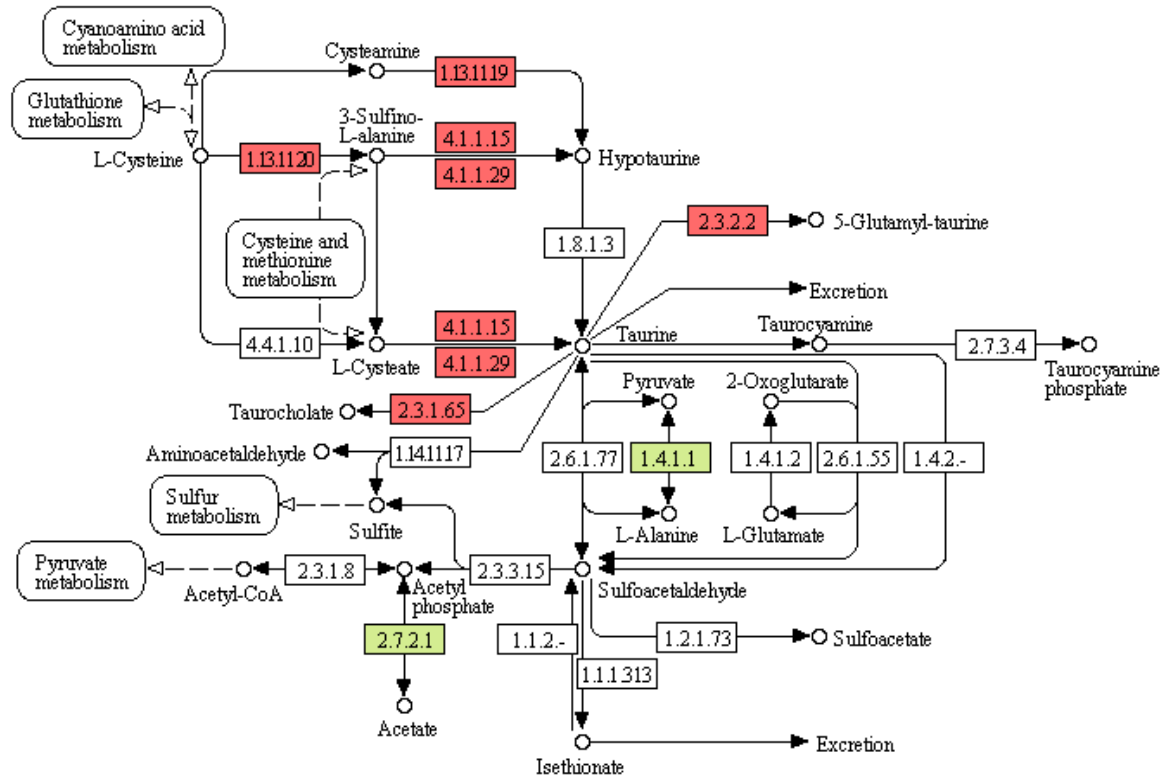
D-GLUTAMINE AND D-GLUTAMATE METABOLISM



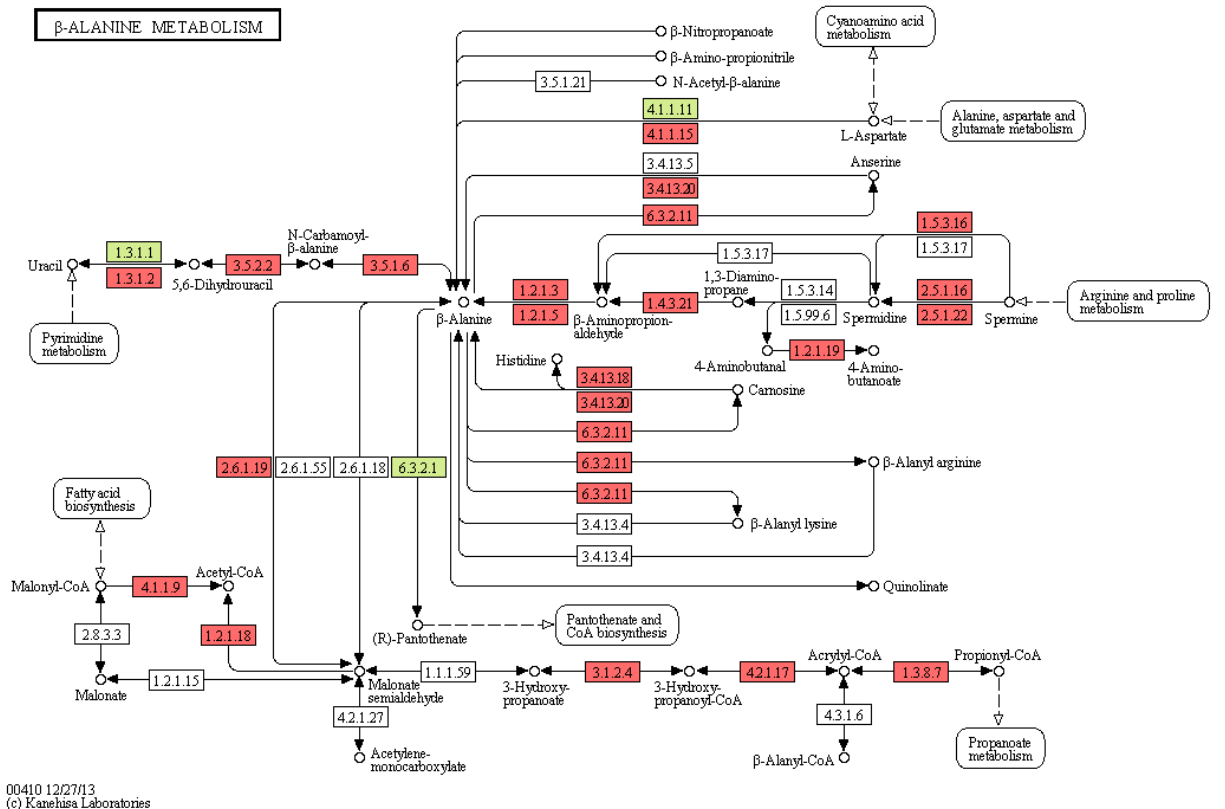
CYANOAMINO ACID METABOLISM



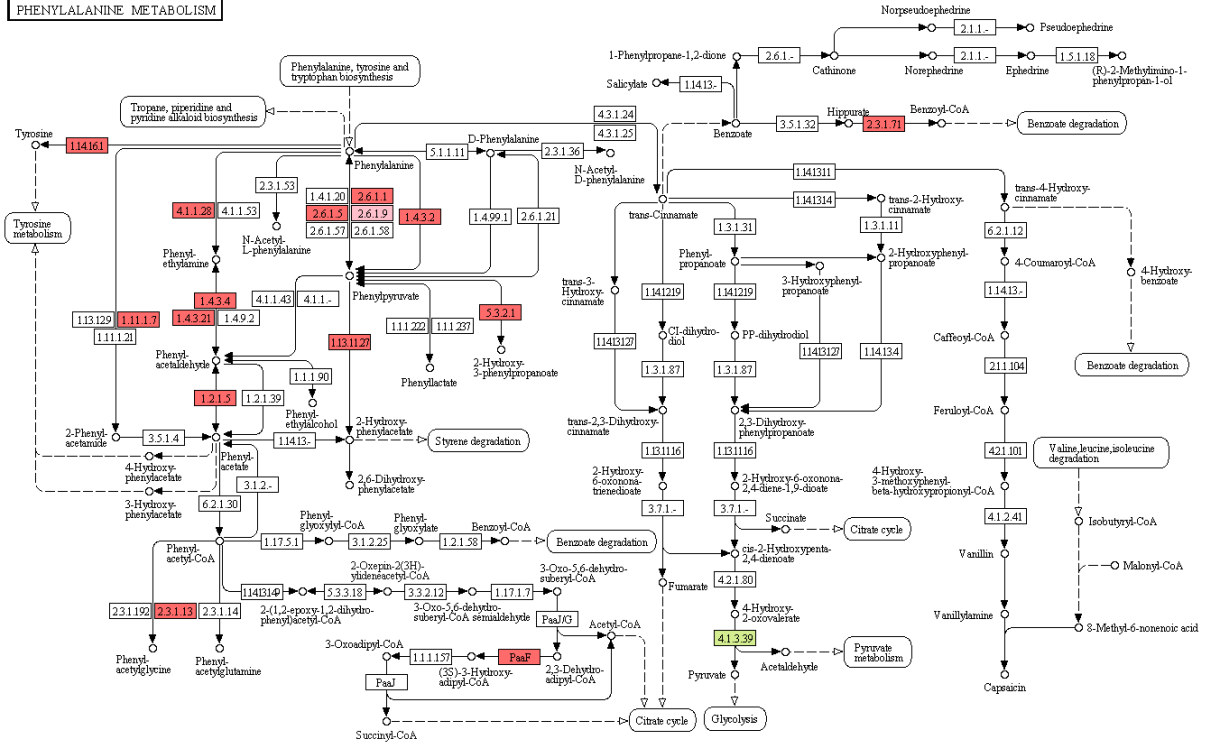
TAURINE AND HYPOTAURINE METABOLISM



β-ALANINE METABOLISM

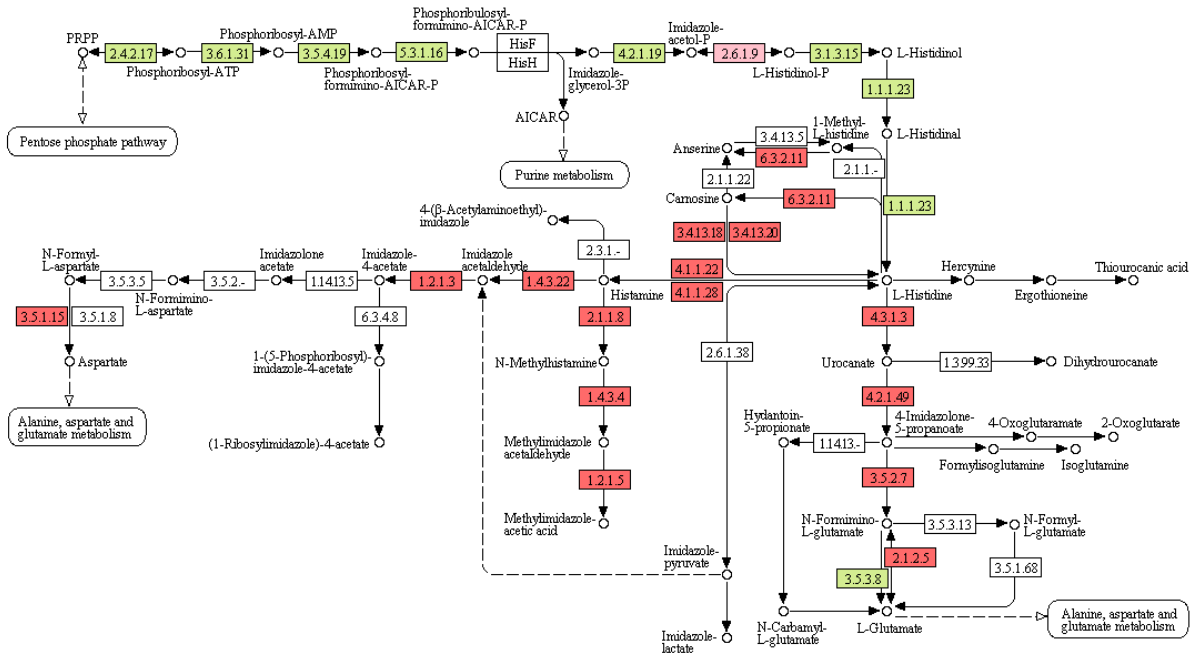


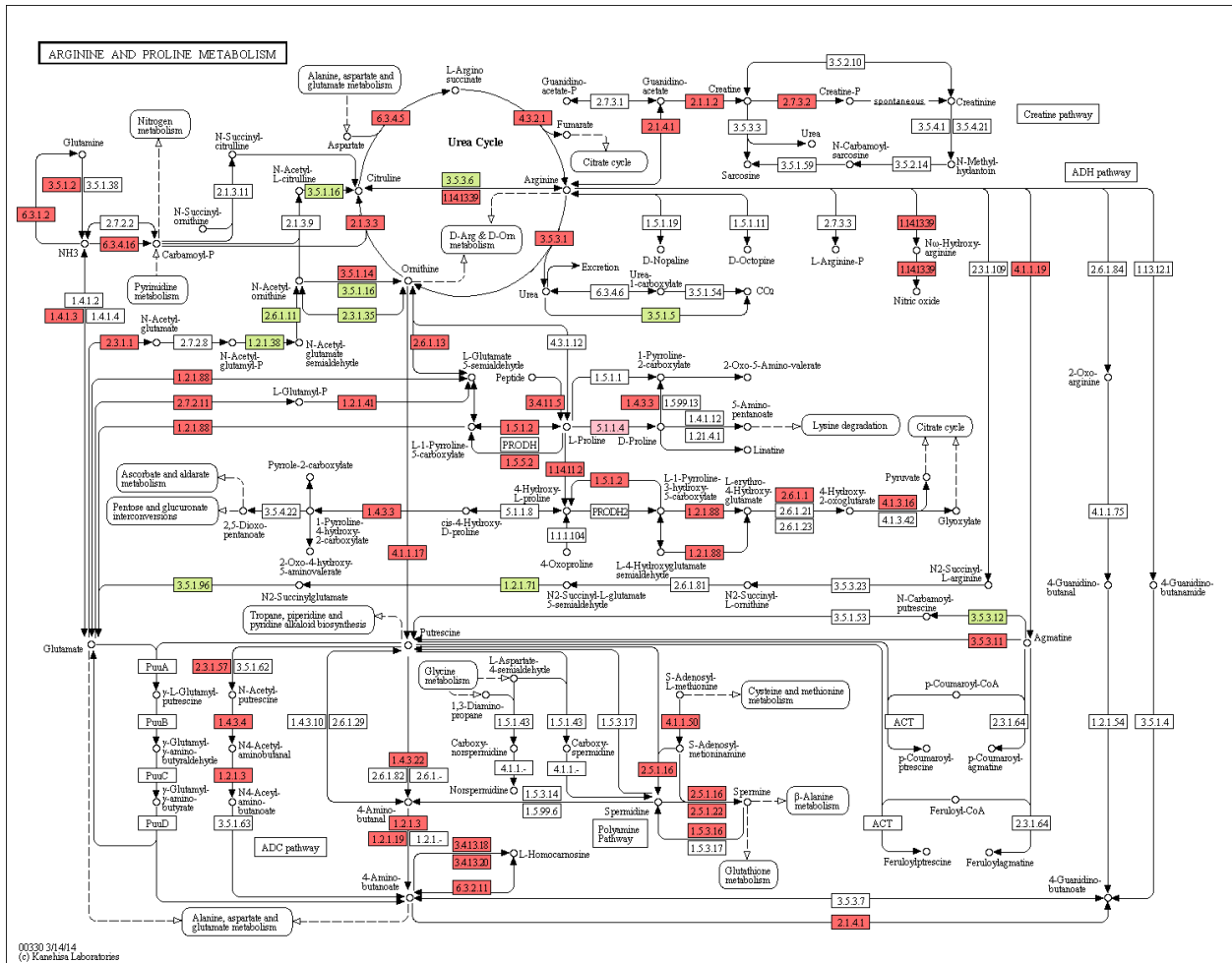
PHENYLALANINE METABOLISM



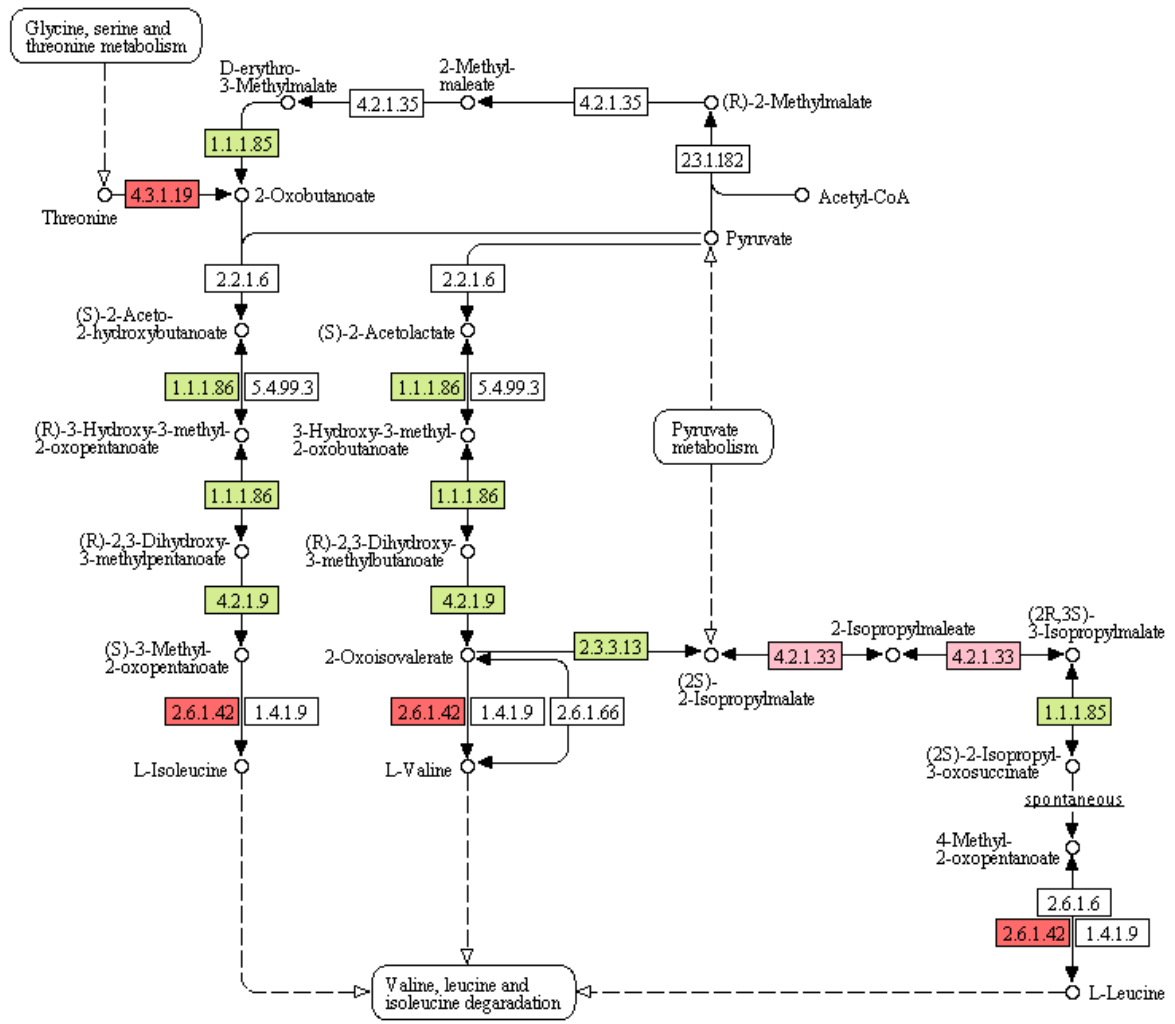
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HISTIDINE METABOLISM

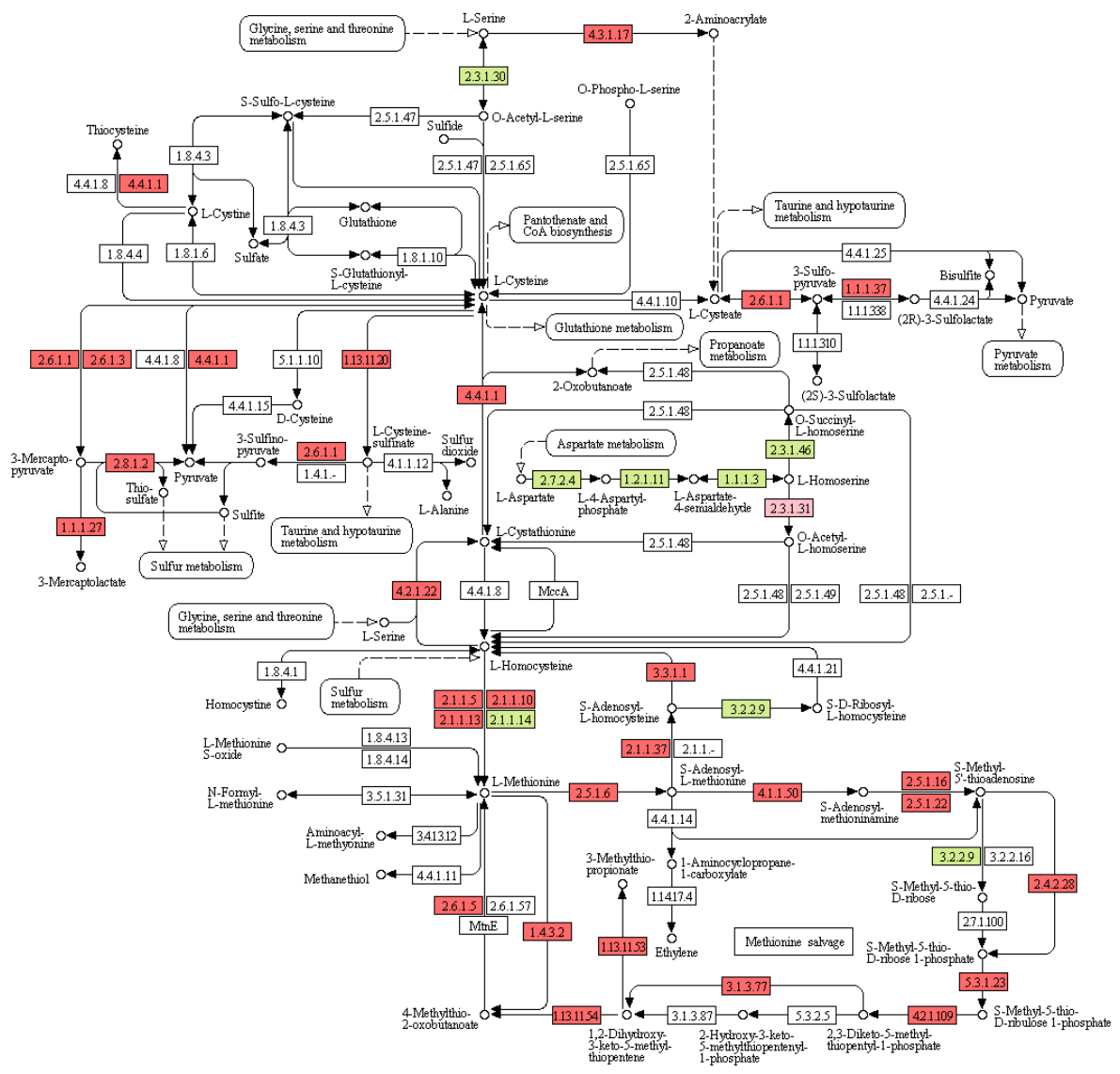




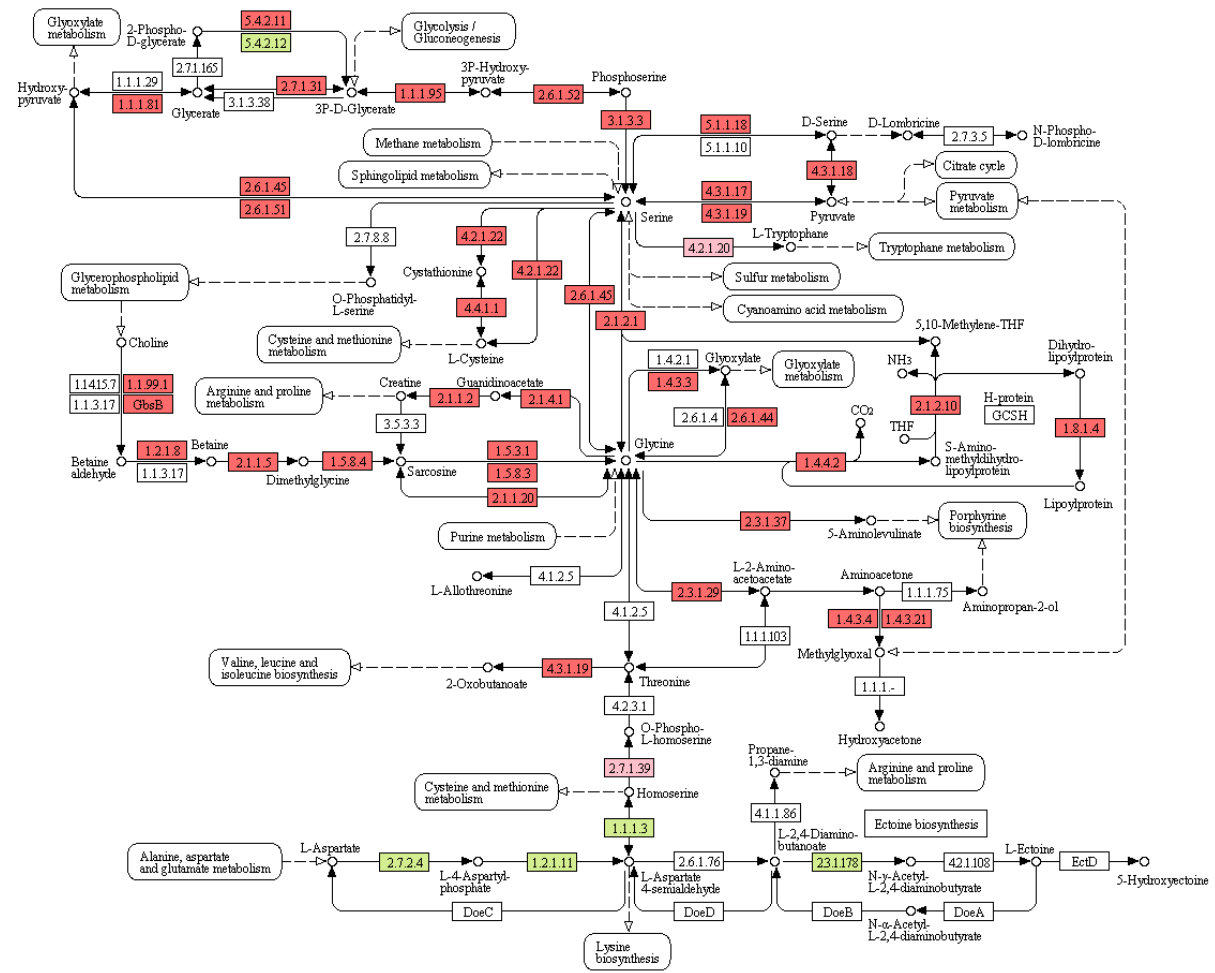
VALINE, LEUCINE AND ISOLEUCINE BIOSYNTHESIS



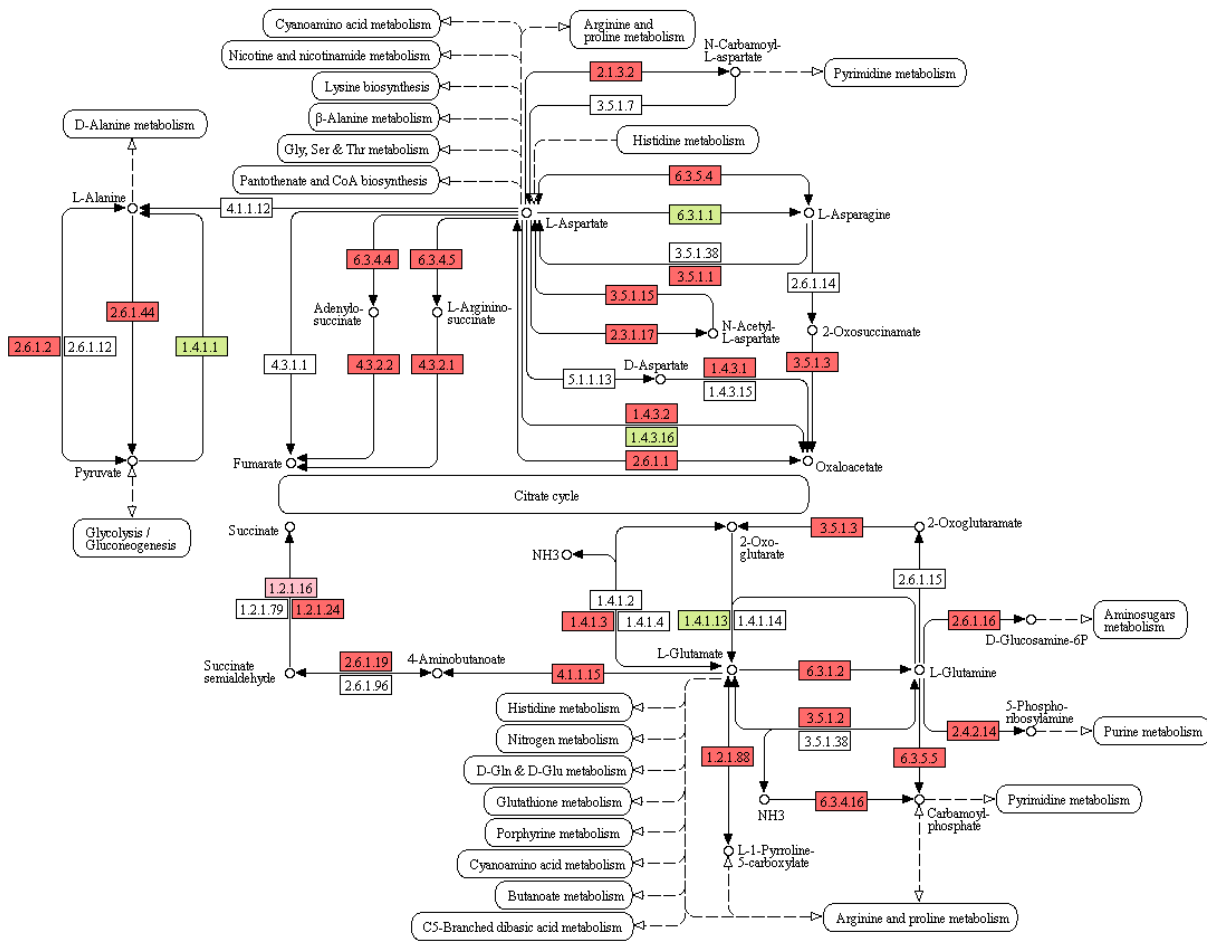
CYSTEINE AND METHIONINE METABOLISM



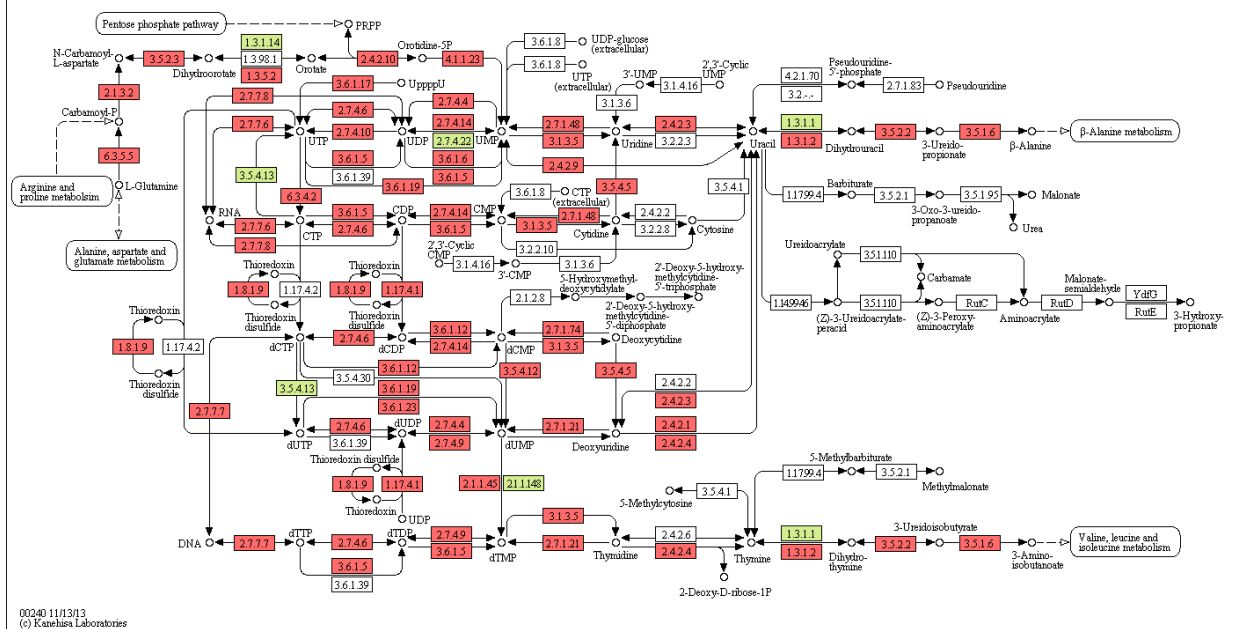
GLYCINE, SERINE AND THREONINE METABOLISM



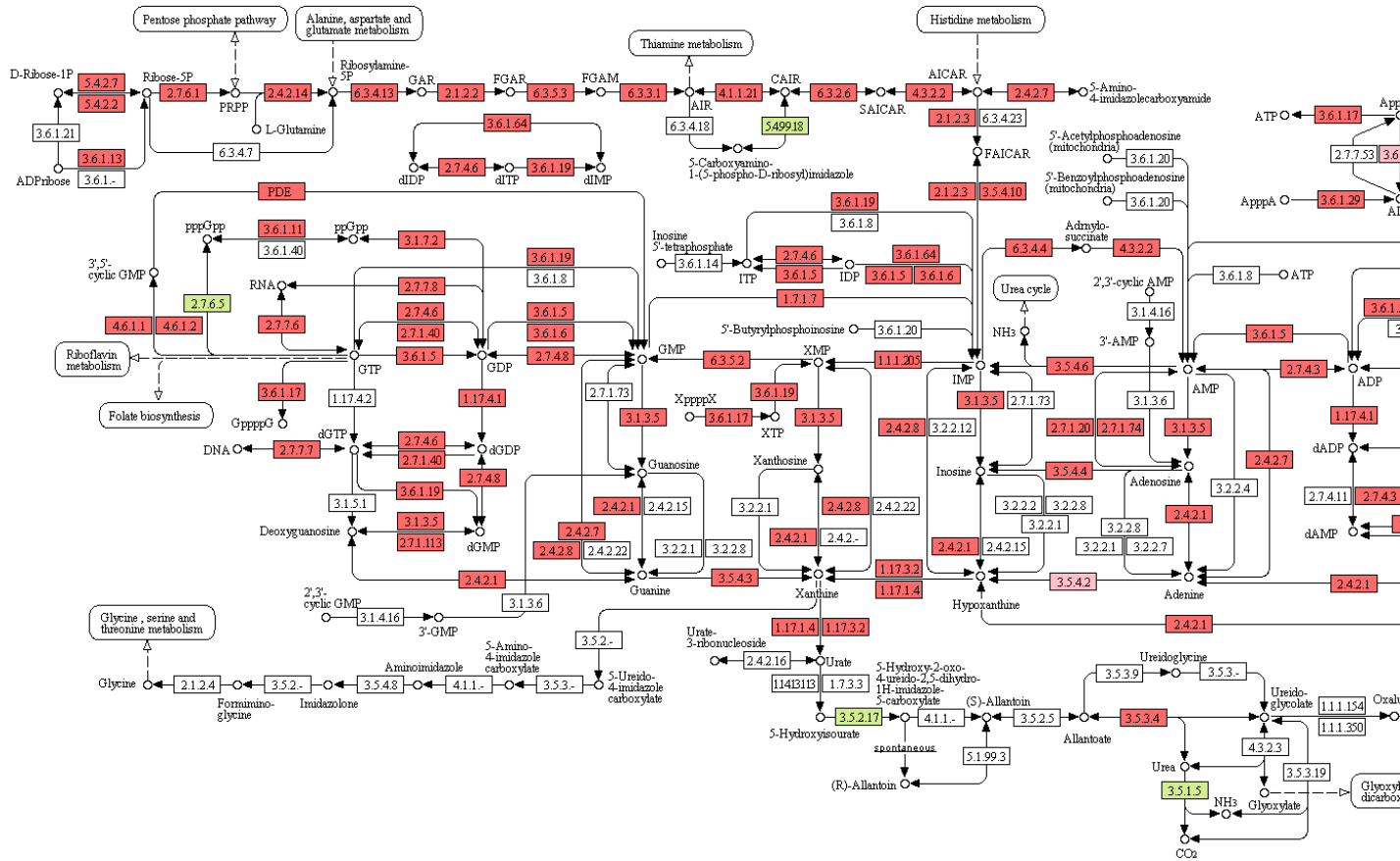
ALANINE, ASPARTATE AND GLUTAMATE METABOLISM



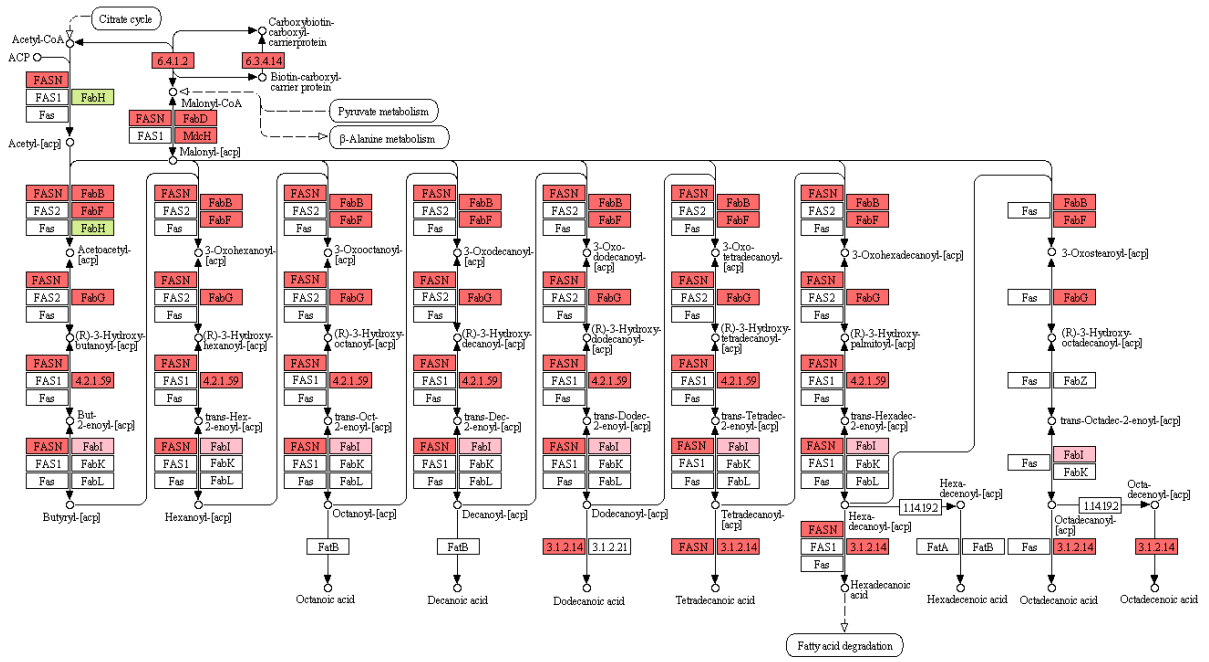
PYRIMIDINE METABOLISM



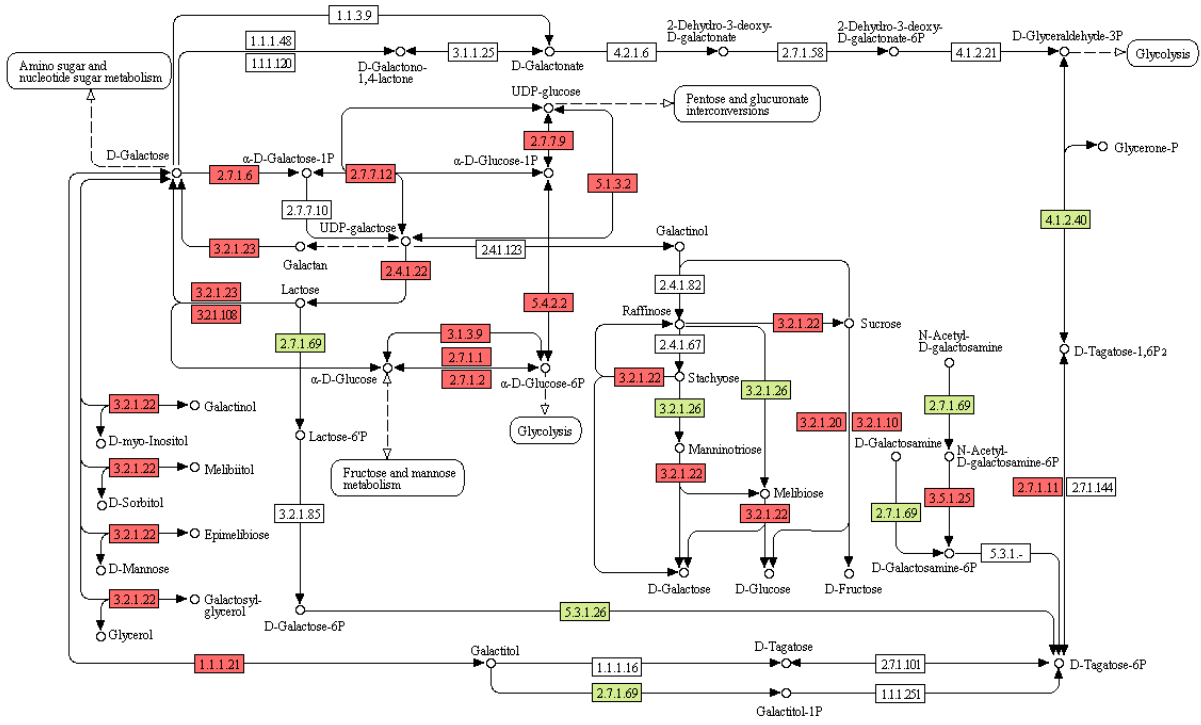
PURINE METABOLISM



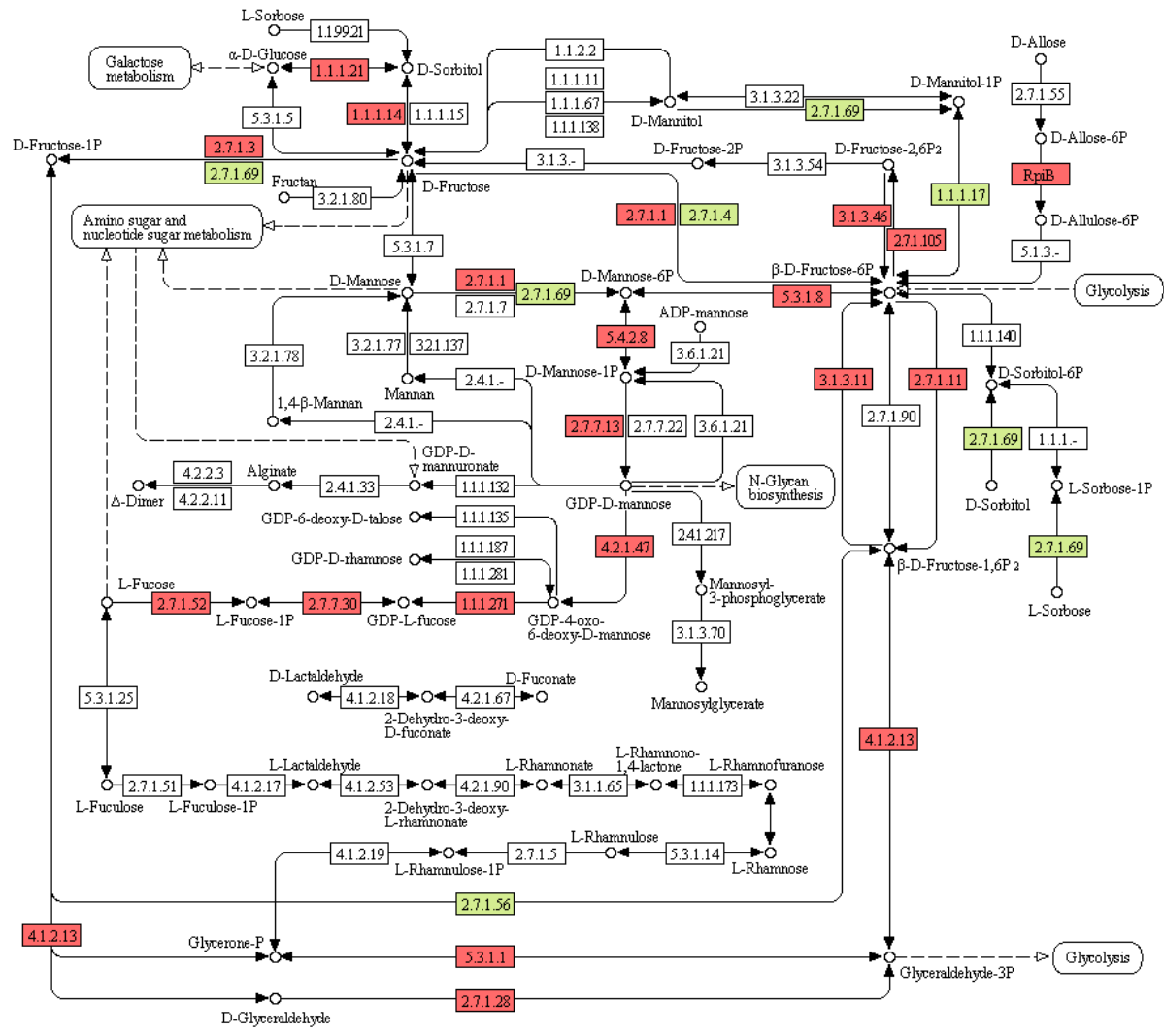
FATTY ACID BIOSYNTHESIS



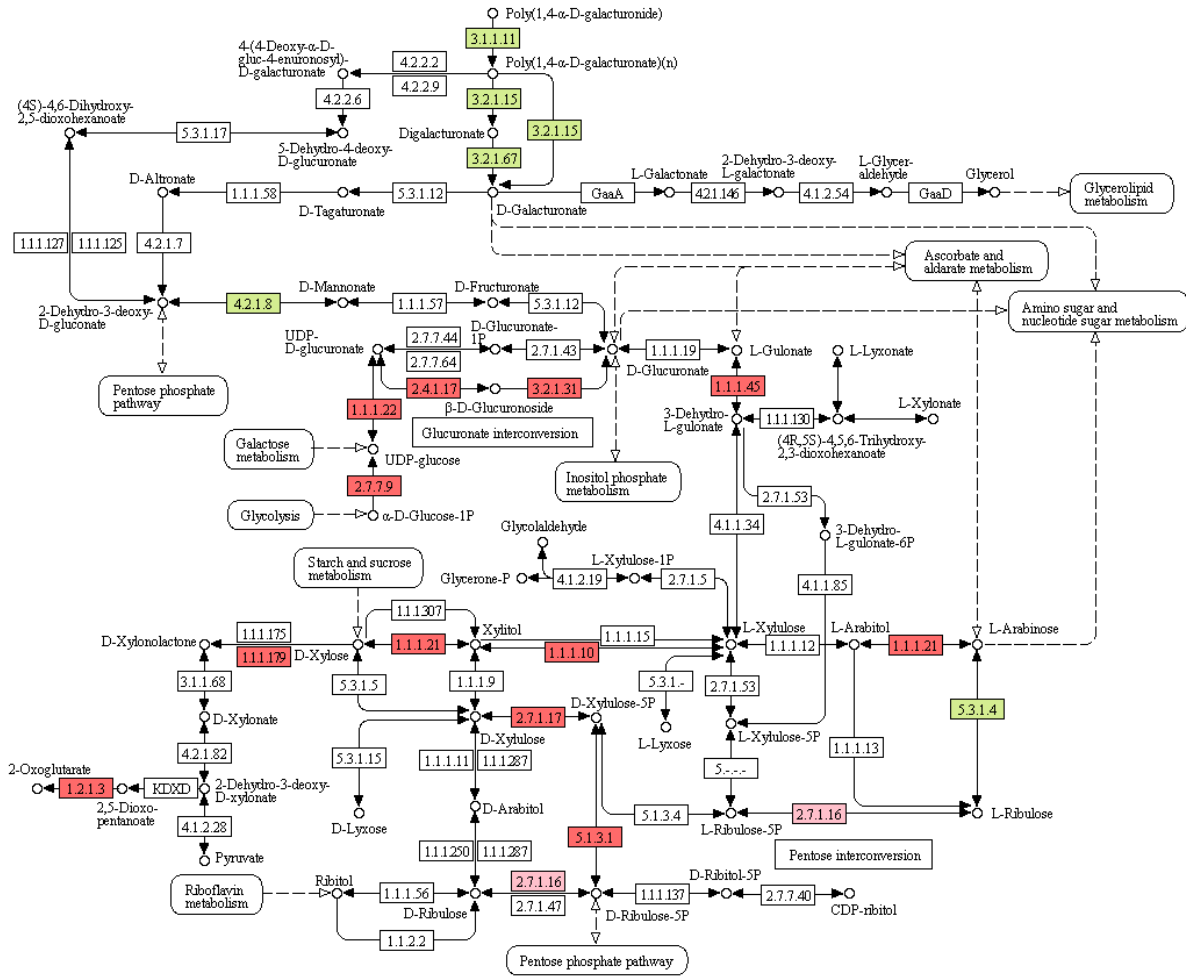
GALACTOSE METABOLISM



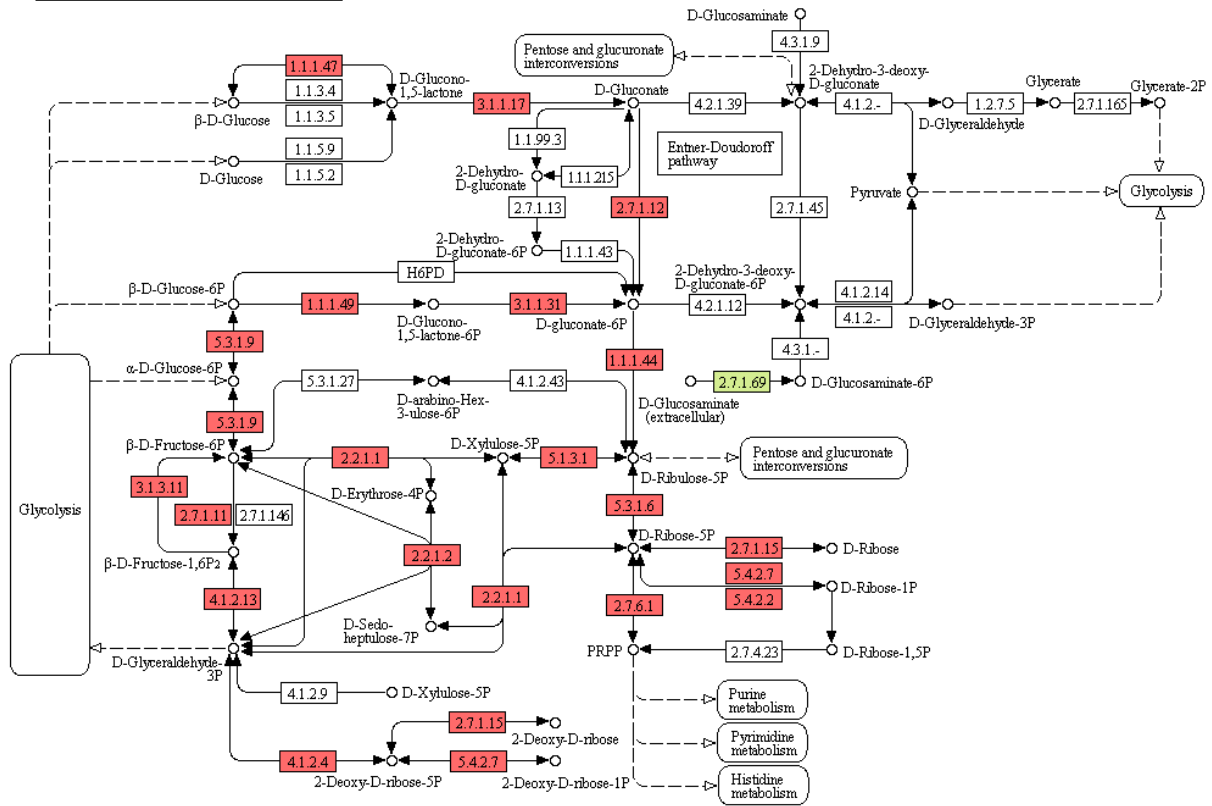
FRUCTOSE AND MANNOSE METABOLISM



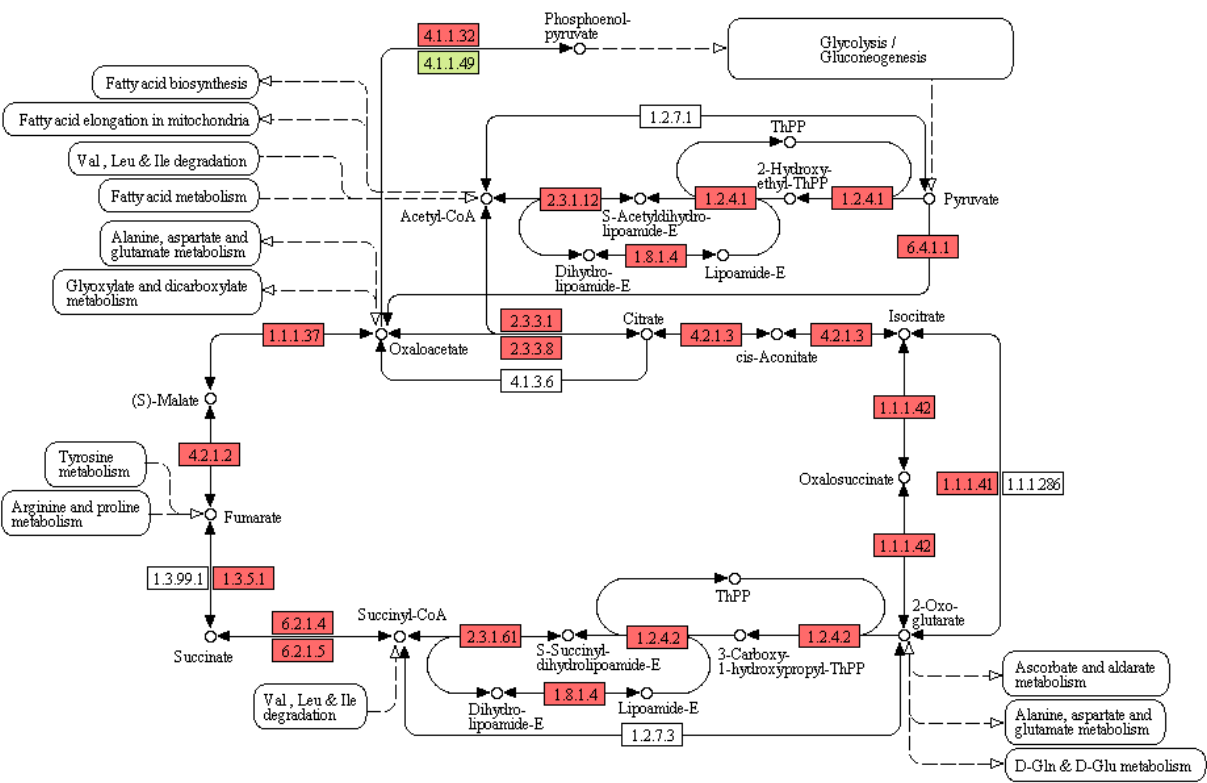
PENTOSE AND GLUCURONATE INTERCONVERSIONS



PENTOSE PHOSPHATE PATHWAY



CITRATE CYCLE (TCA CYCLE)



GLYCOLYSIS / GLUCONEOGENESIS

