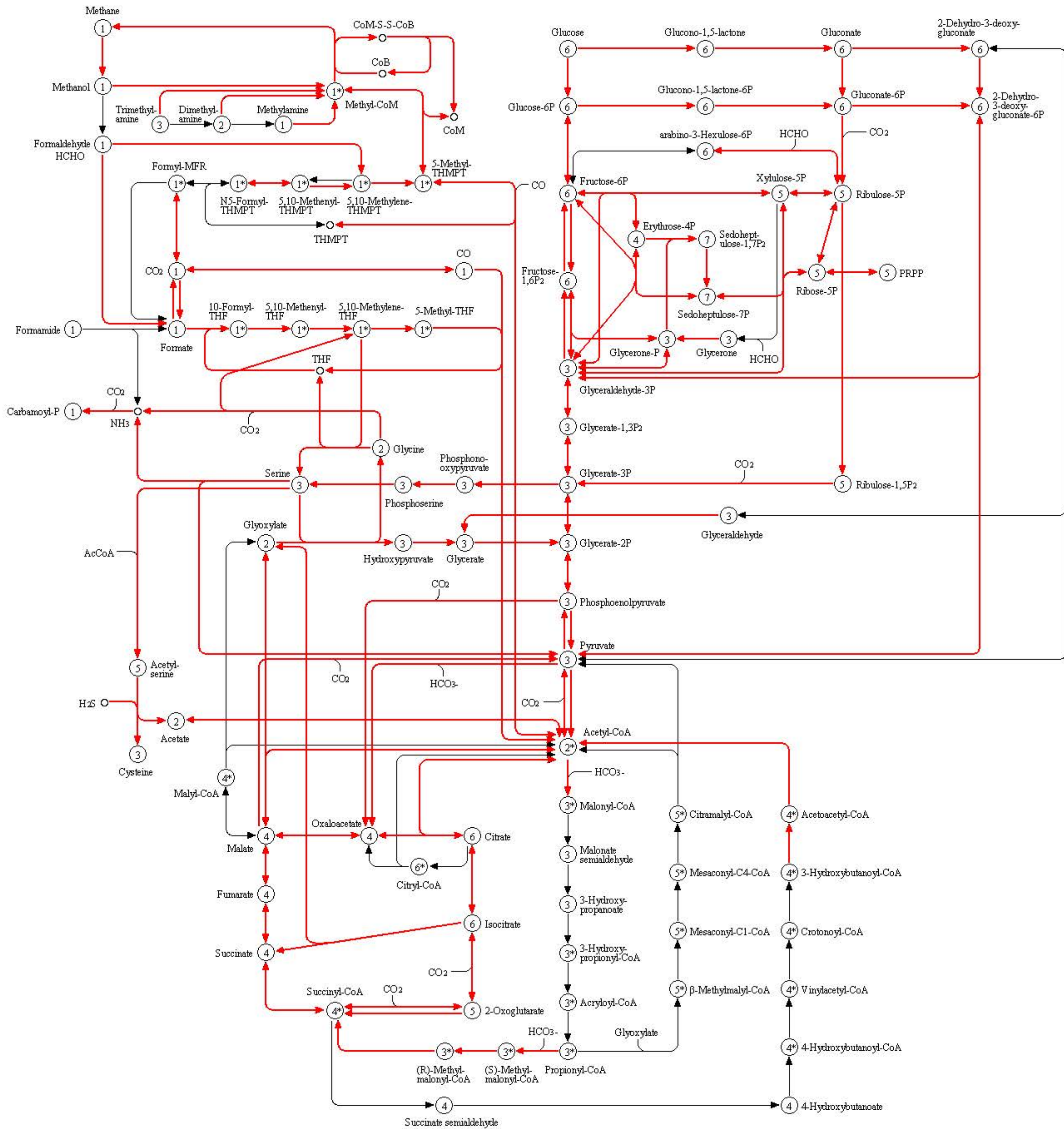
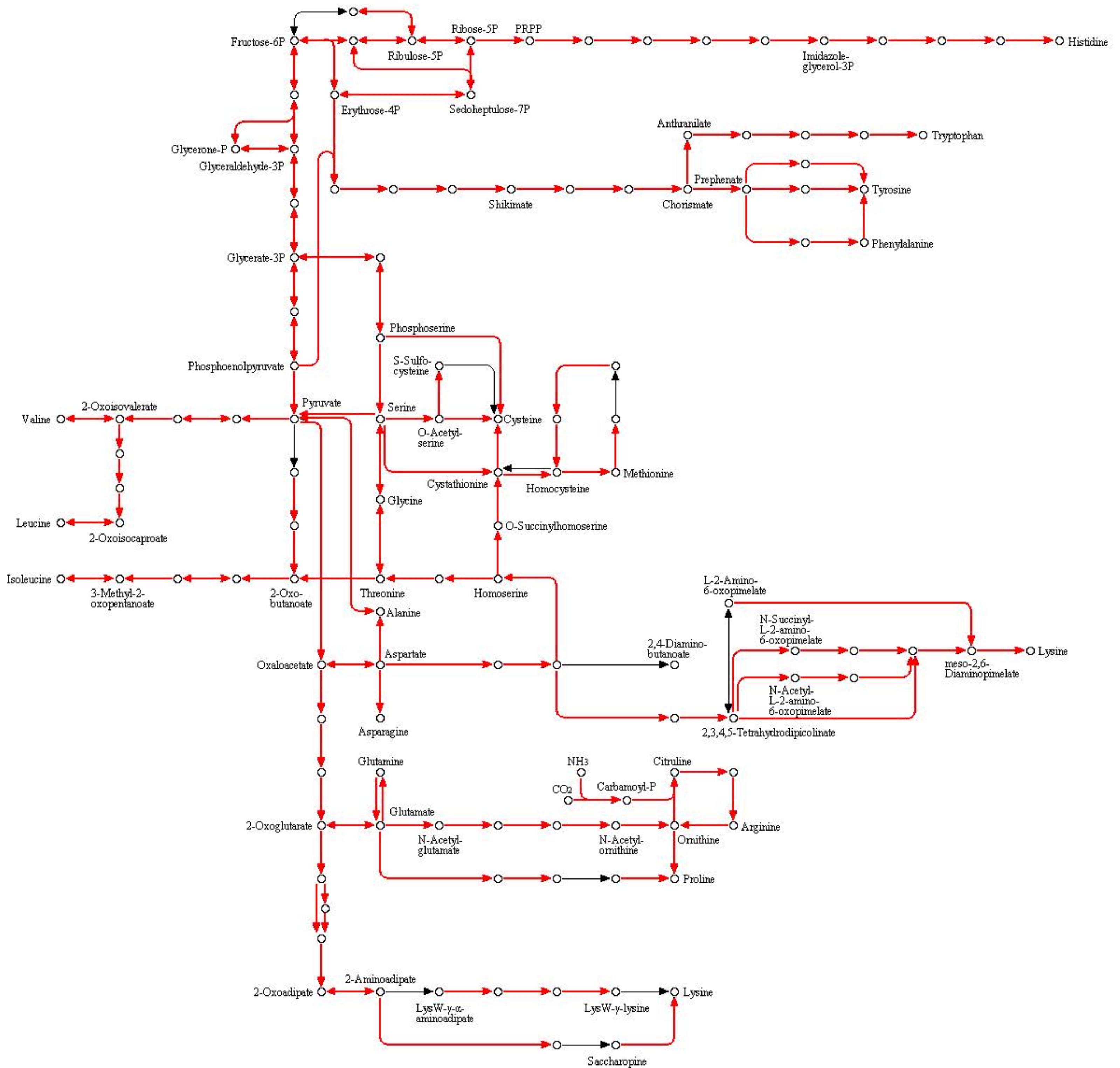


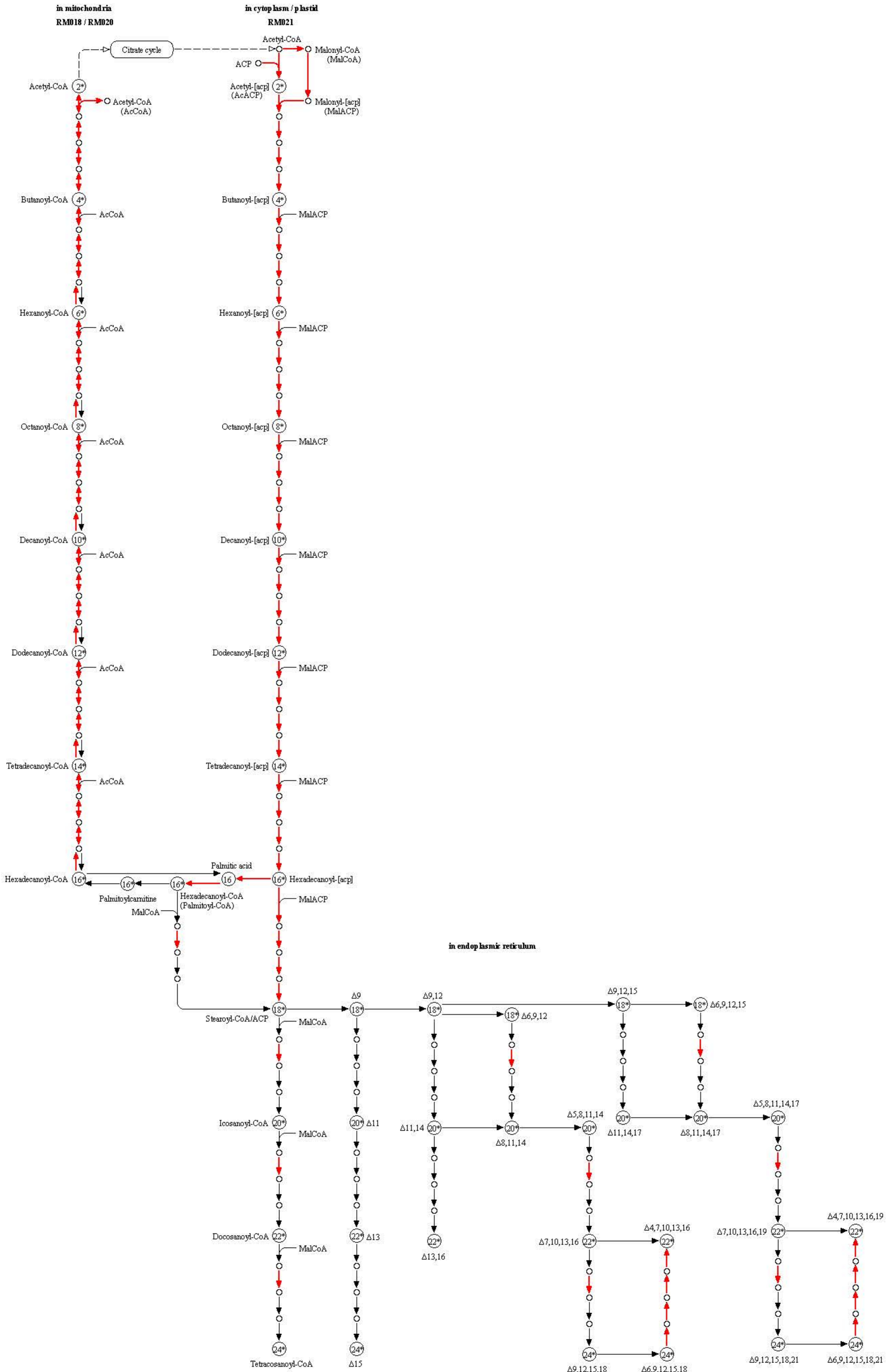
CARBON METABOLISM



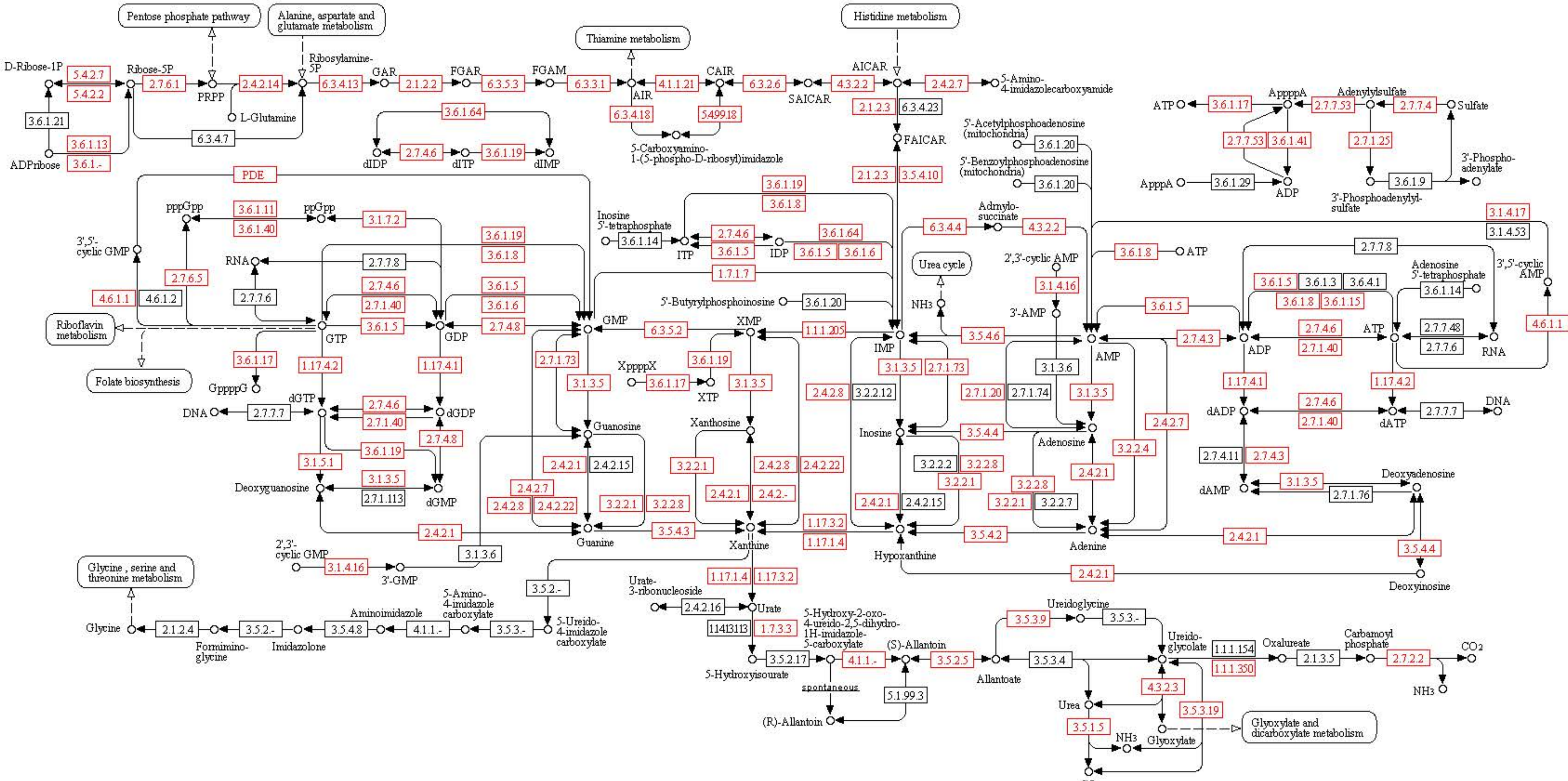
BIOSYNTHESIS OF AMINO ACIDS



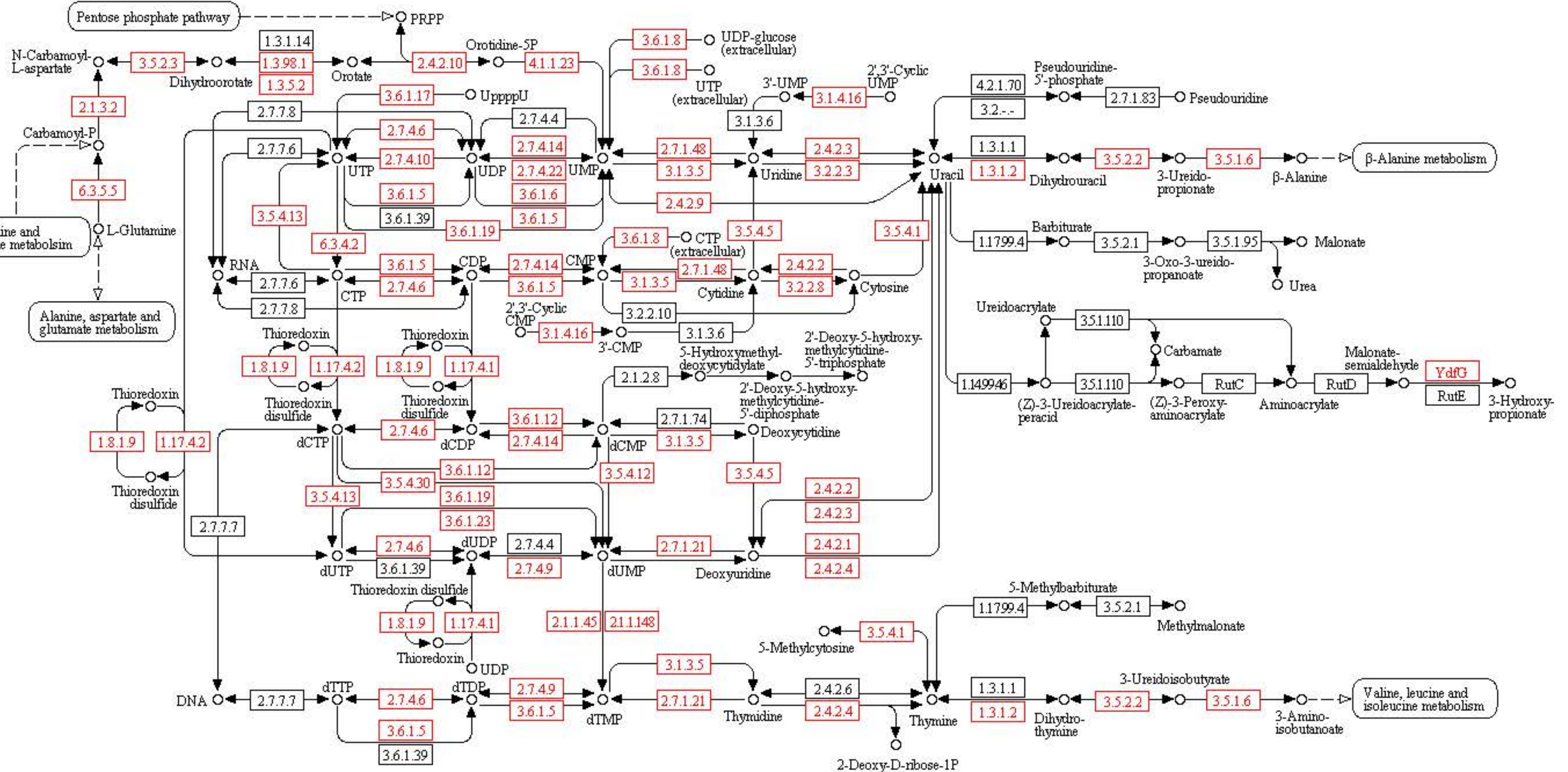
**FATTY ACID METABOLISM**



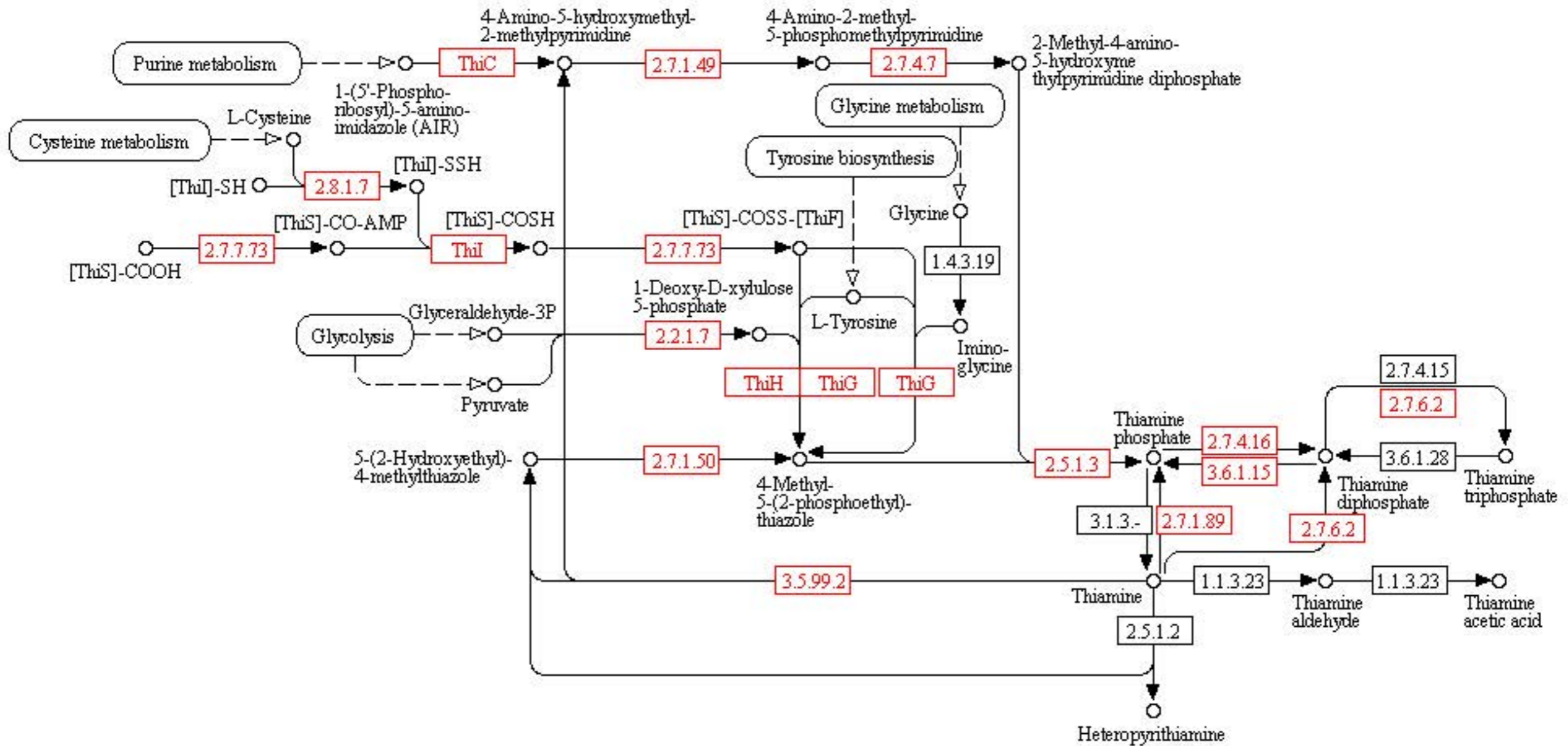
PURINE METABOLISM



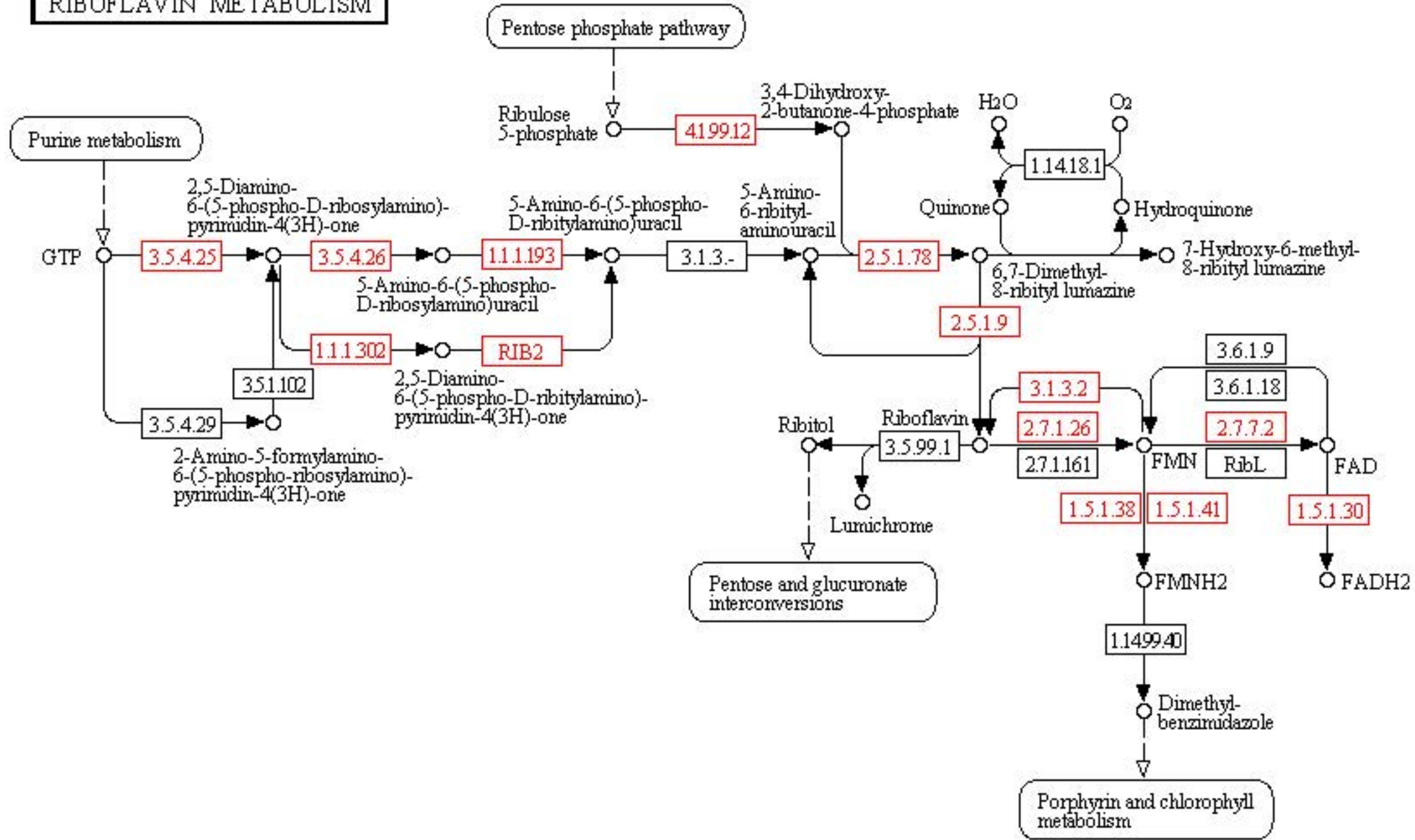
# PYRIMIDINE METABOLISM



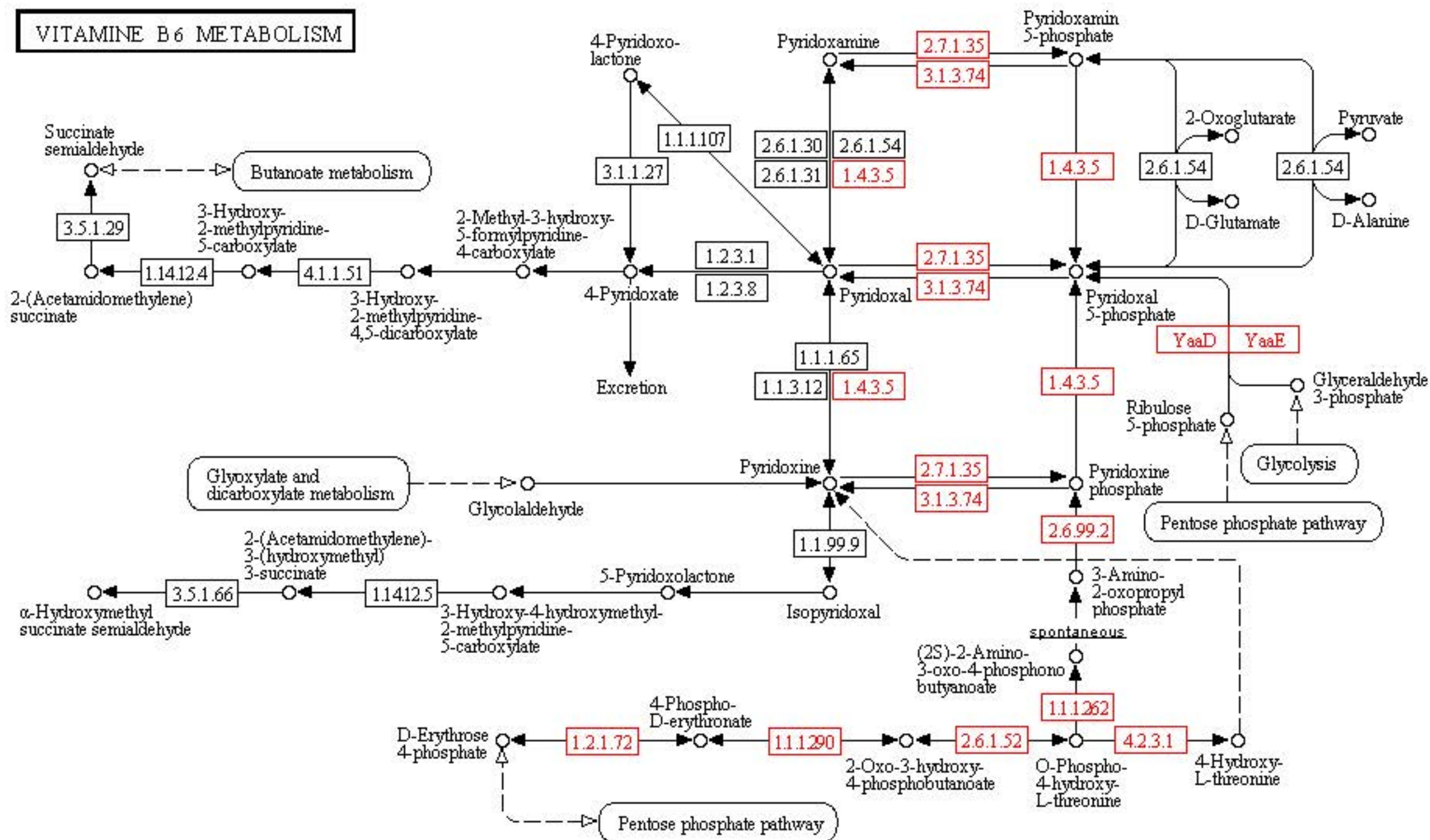
# THIAMINE METABOLISM



# RIBOFLAVIN METABOLISM

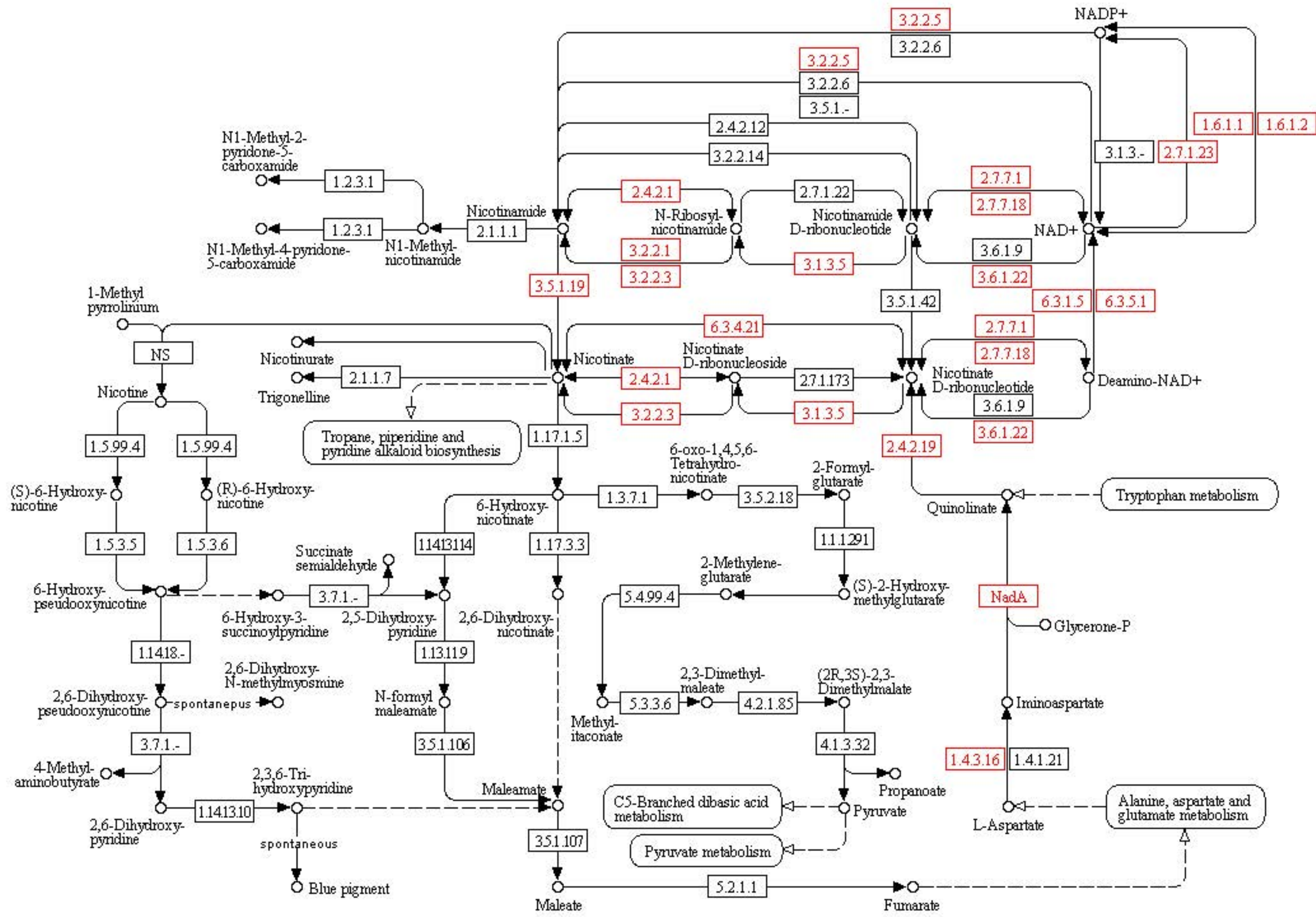


# VITAMINE B6 METABOLISM

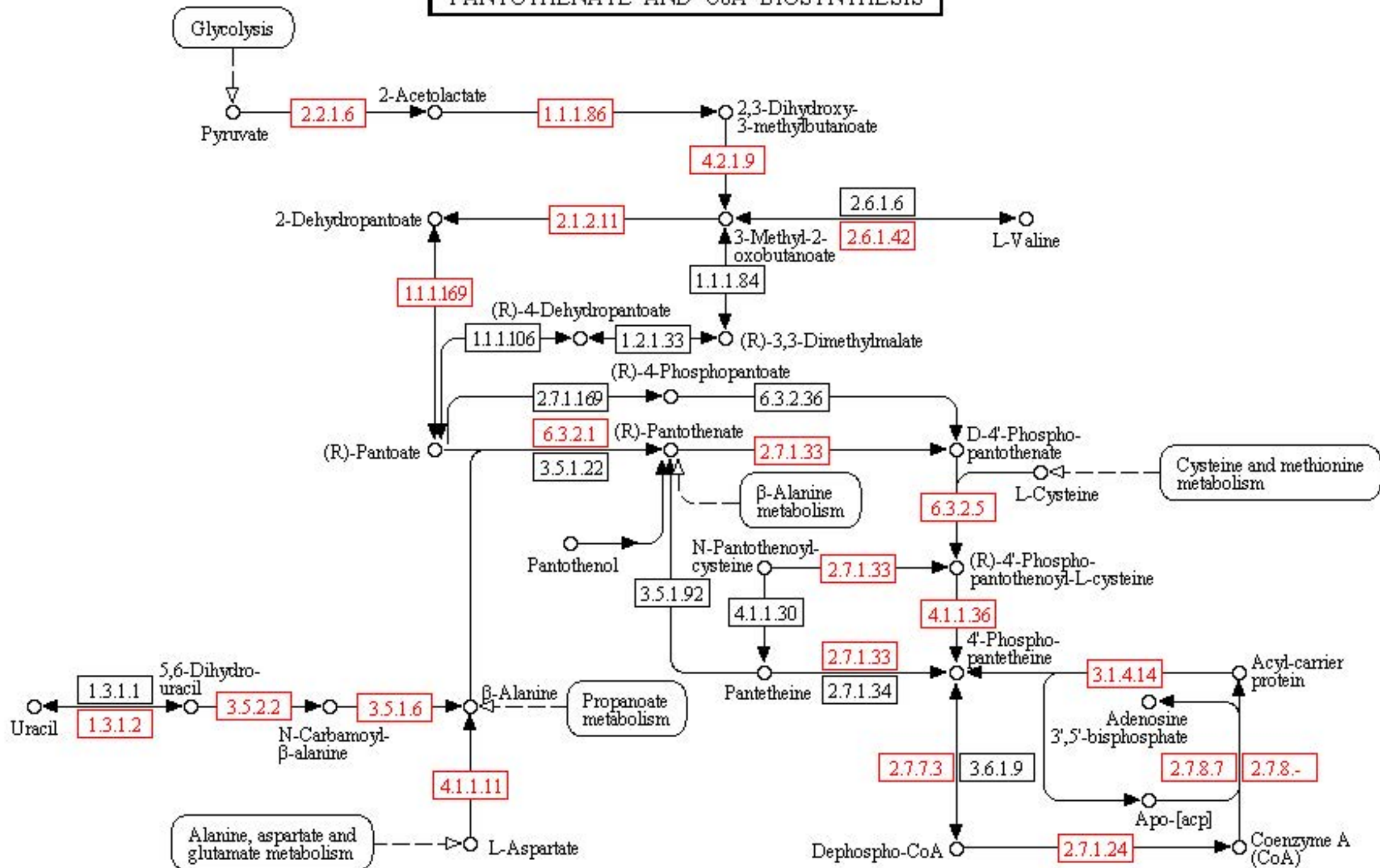




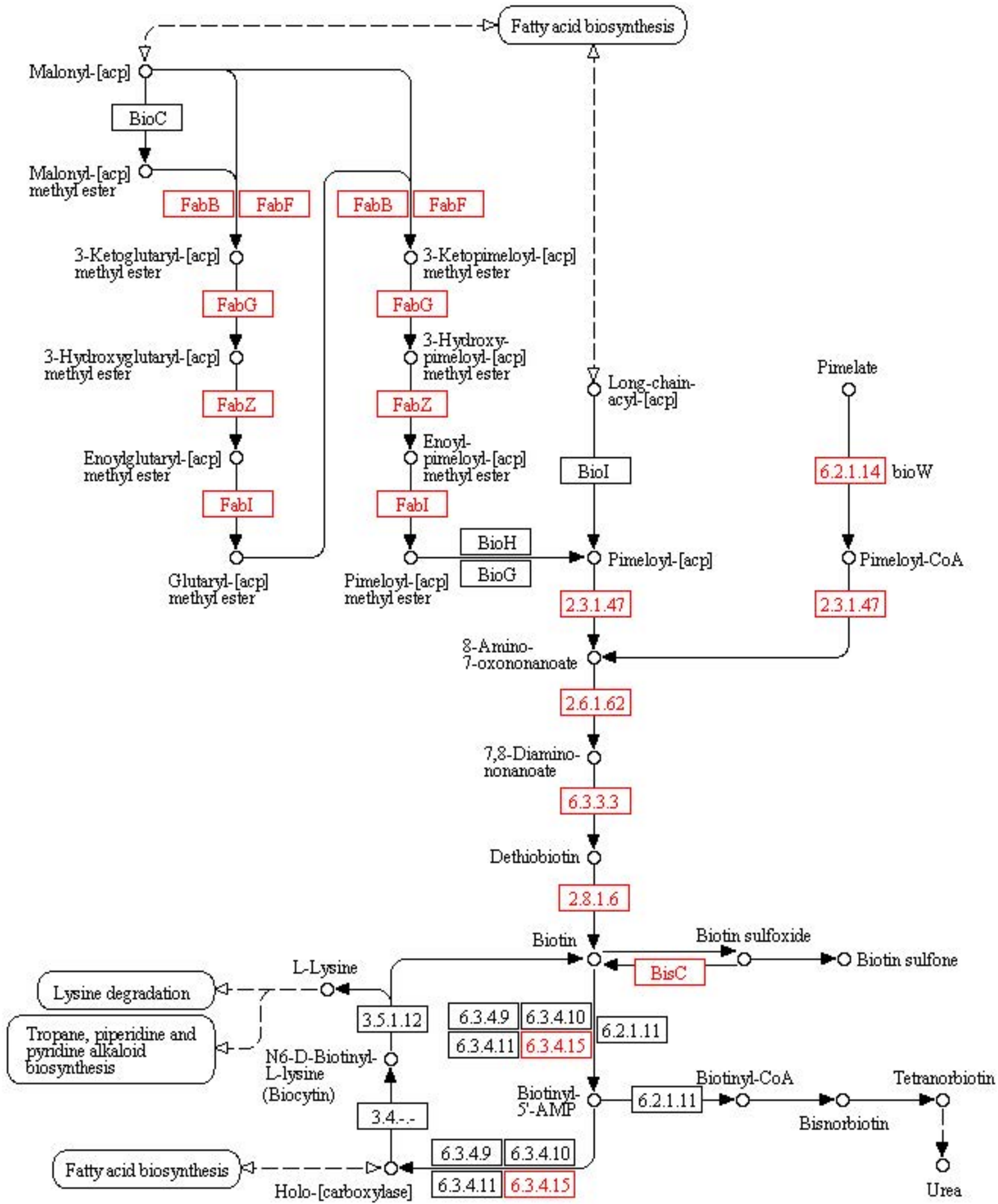
NICOTINATE AND NICOTINAMIDE METABOLISM



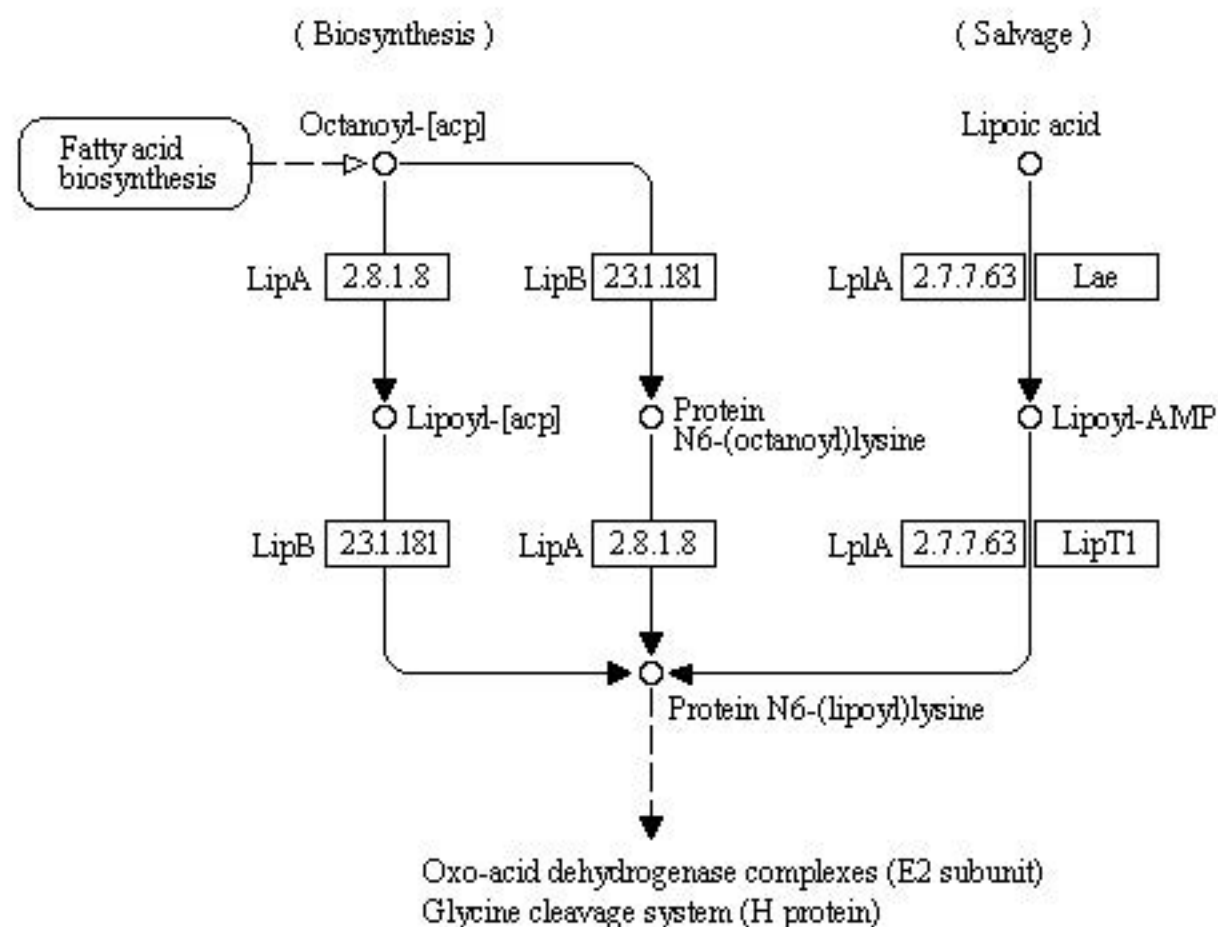
# PANTOTHENATE AND CoA BIOSYNTHESIS



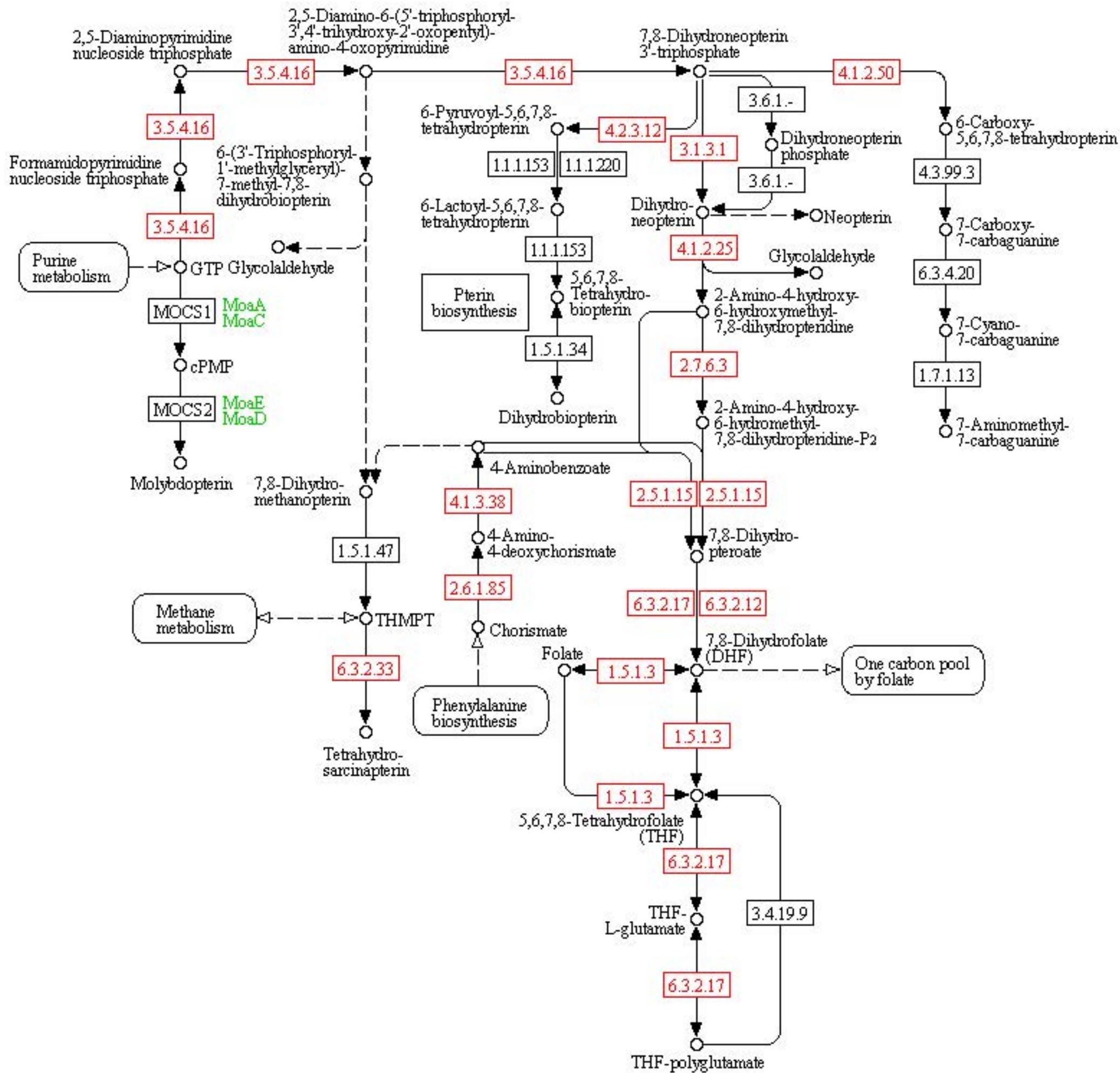
# BIOTIN METABOLISM



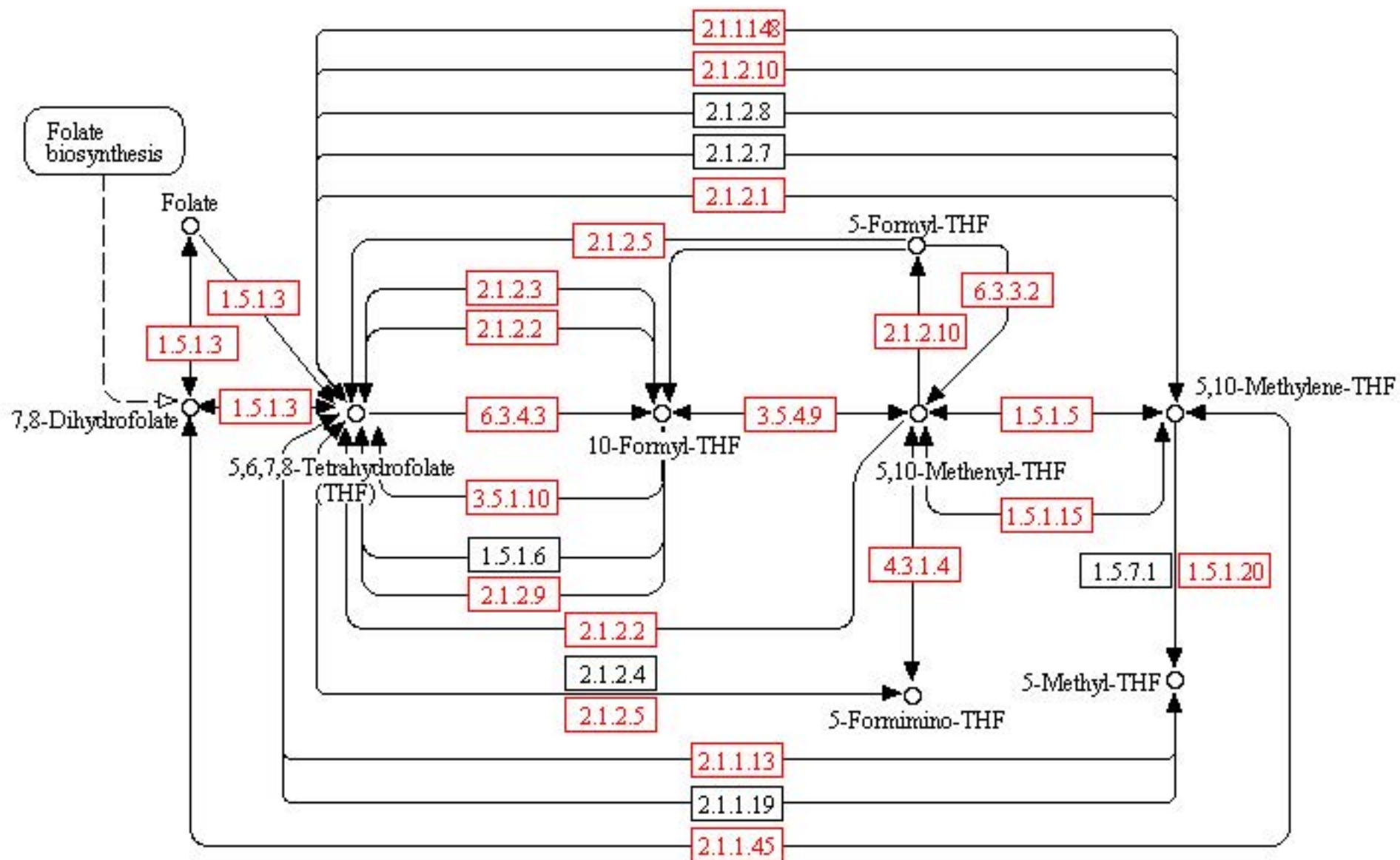
# LIPOIC ACID METABOLISM



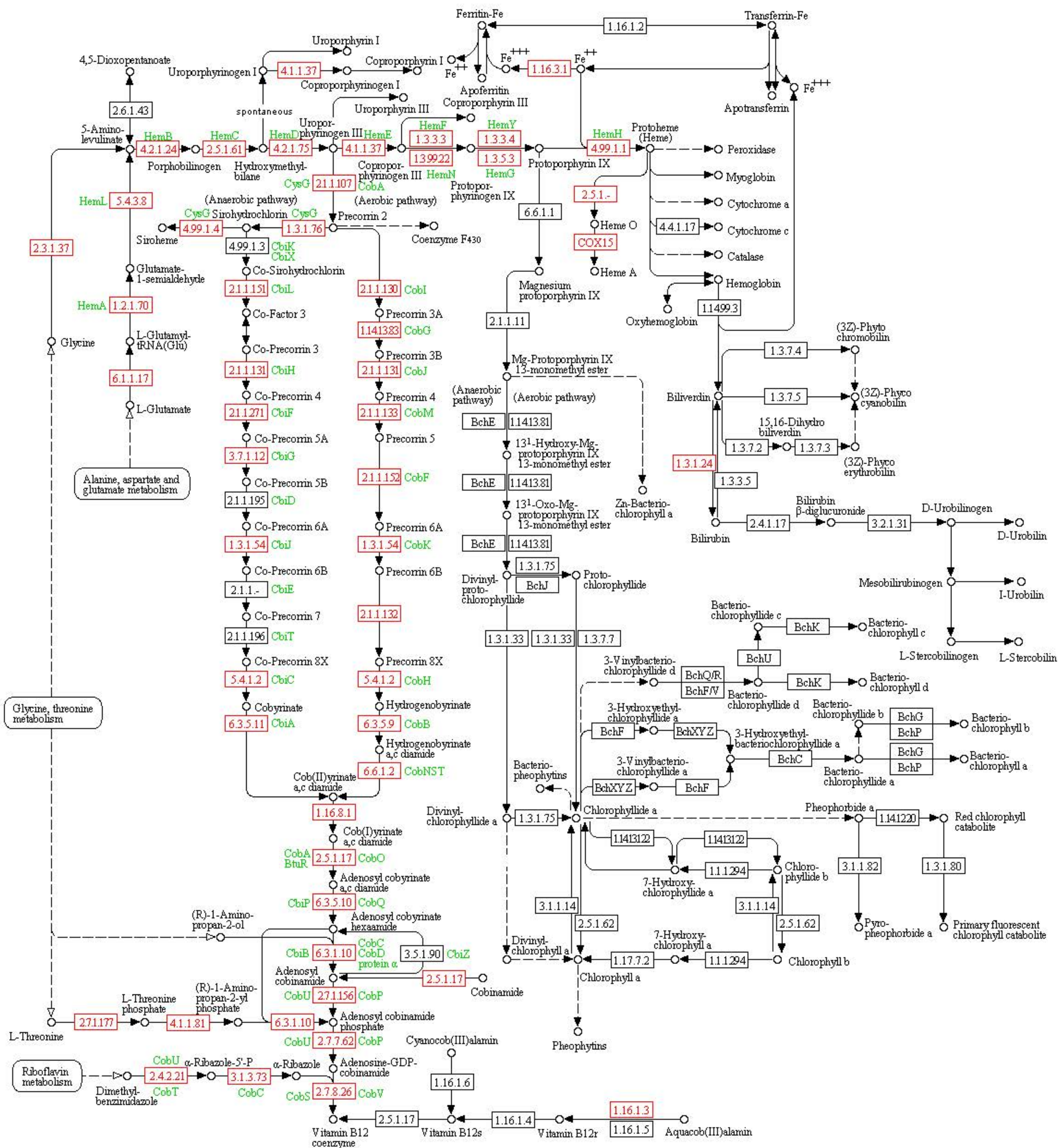
# FOLATE BIOSYNTHESIS



# ONE CARBON POOL BY FOLATE



PORPHYRIN AND CHLOROPHYLL METABOLISM



UBIQUINONE AND OTHER TERPENOID-QUINONE BIOSYNTHESIS

