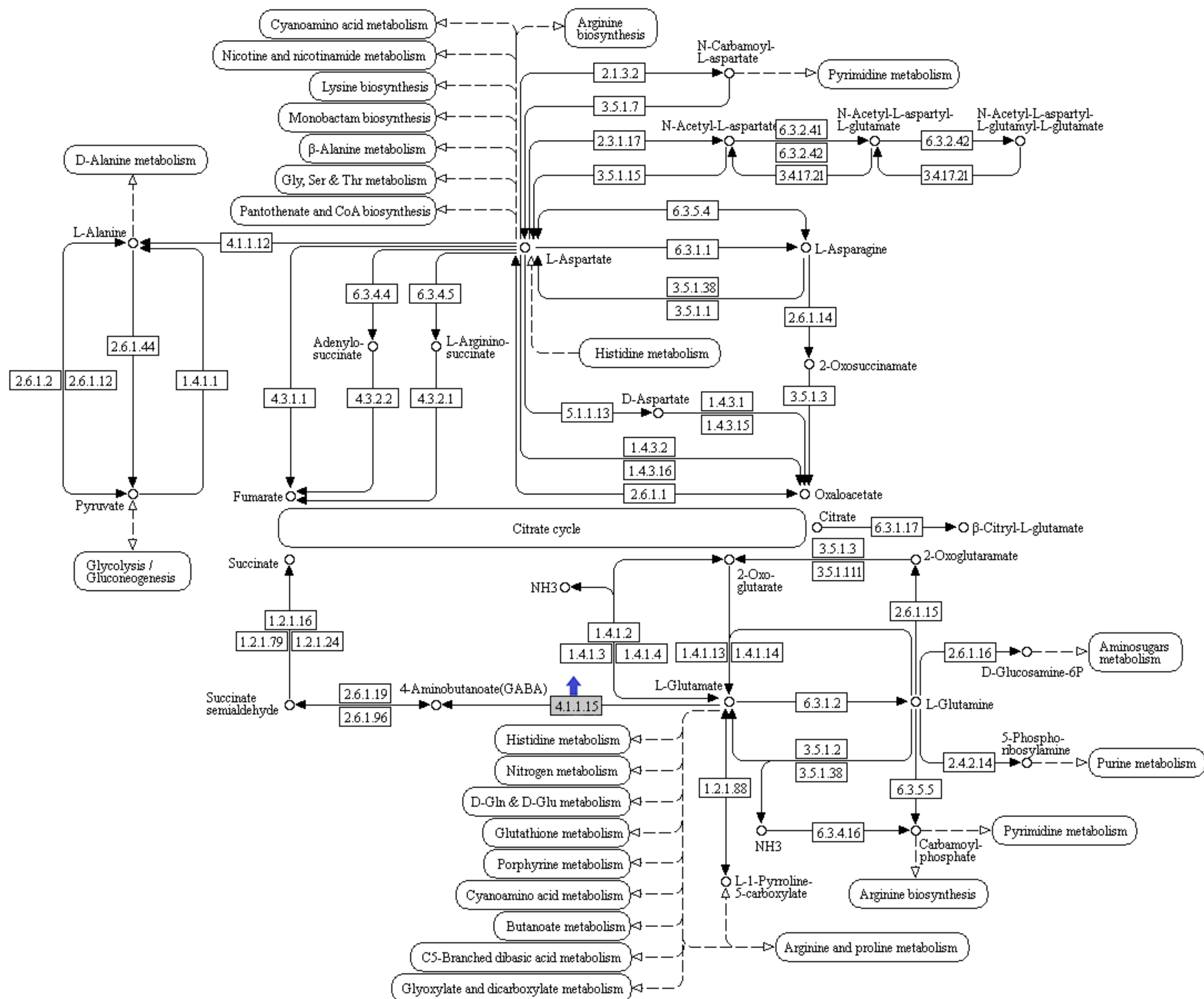
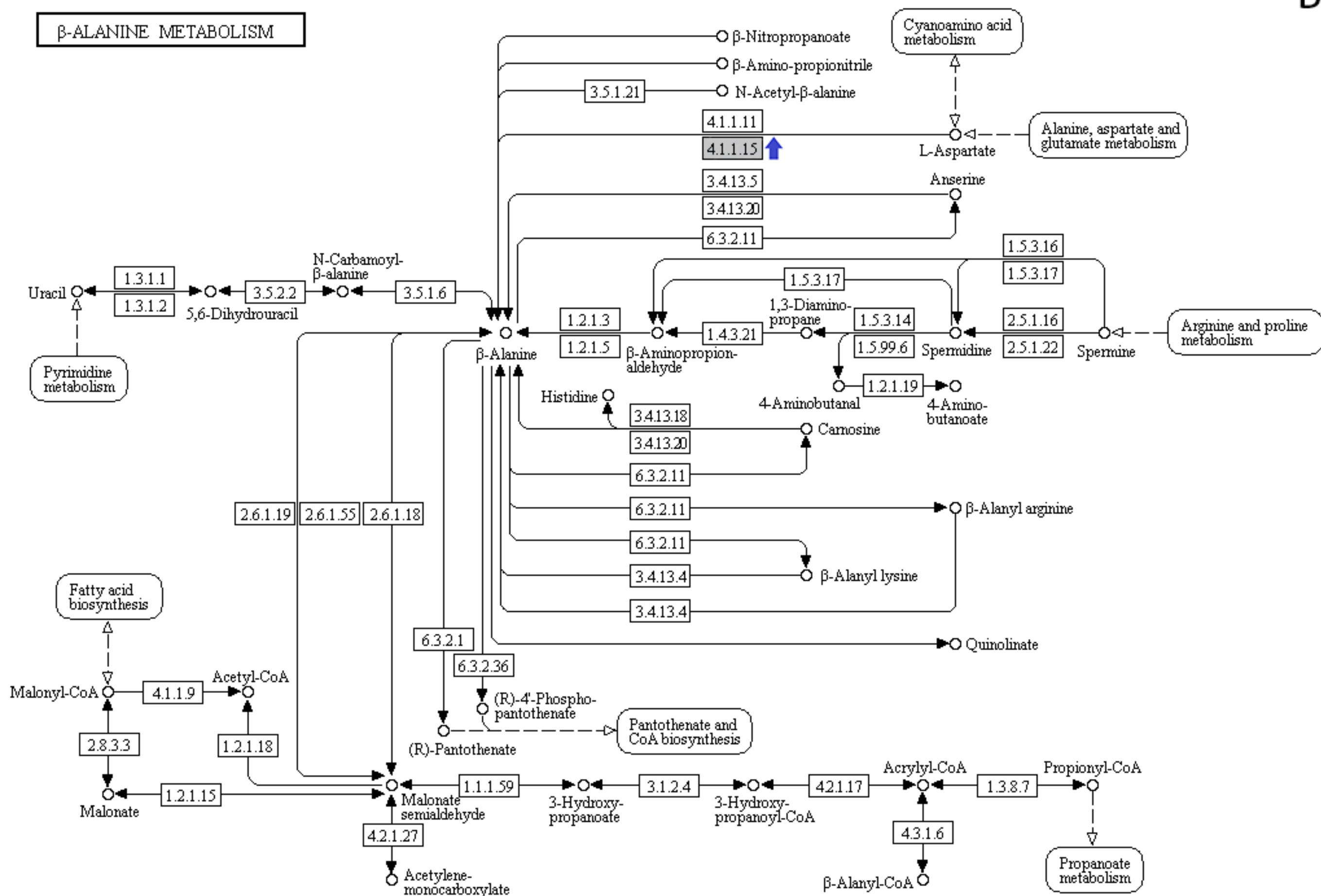
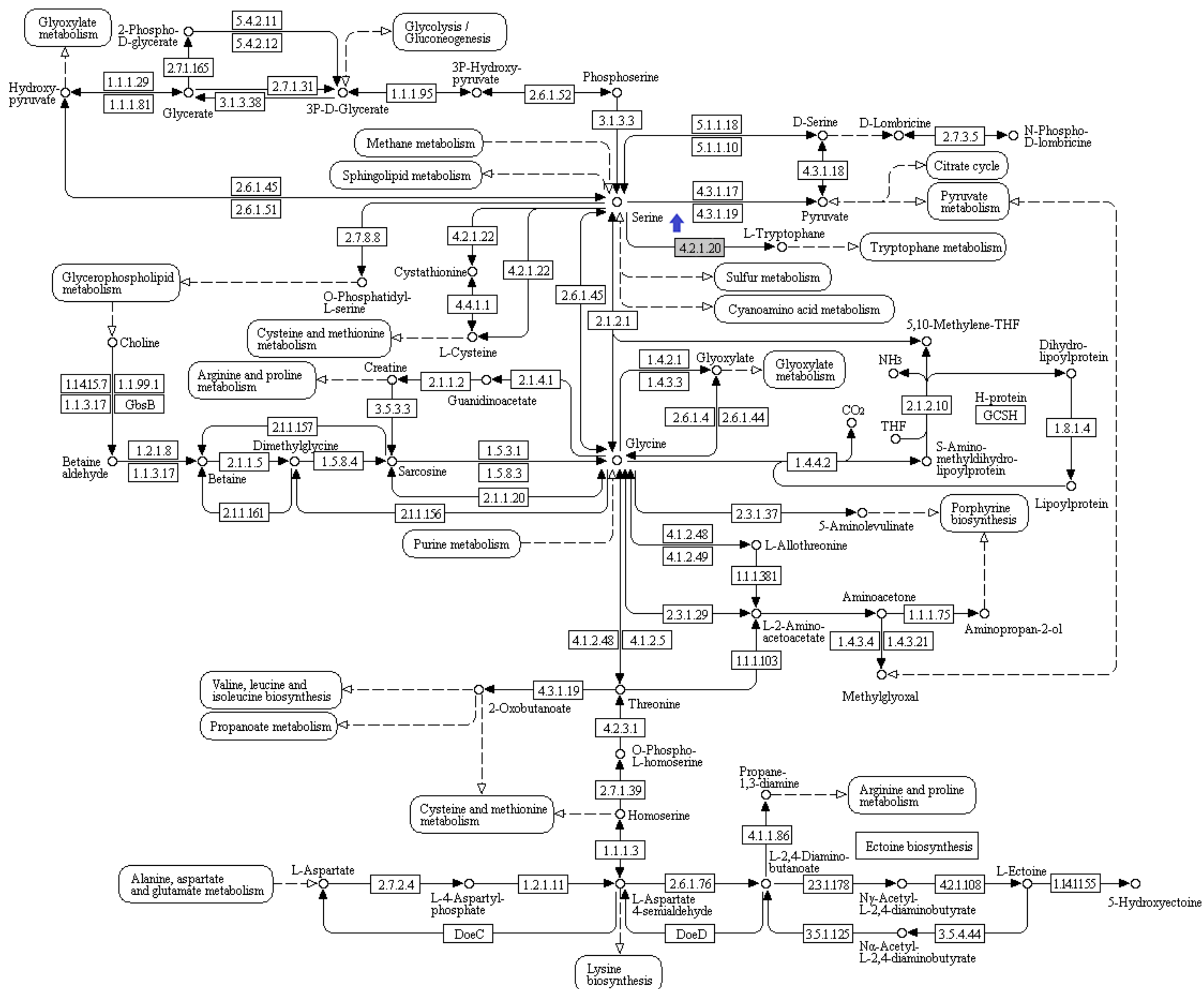


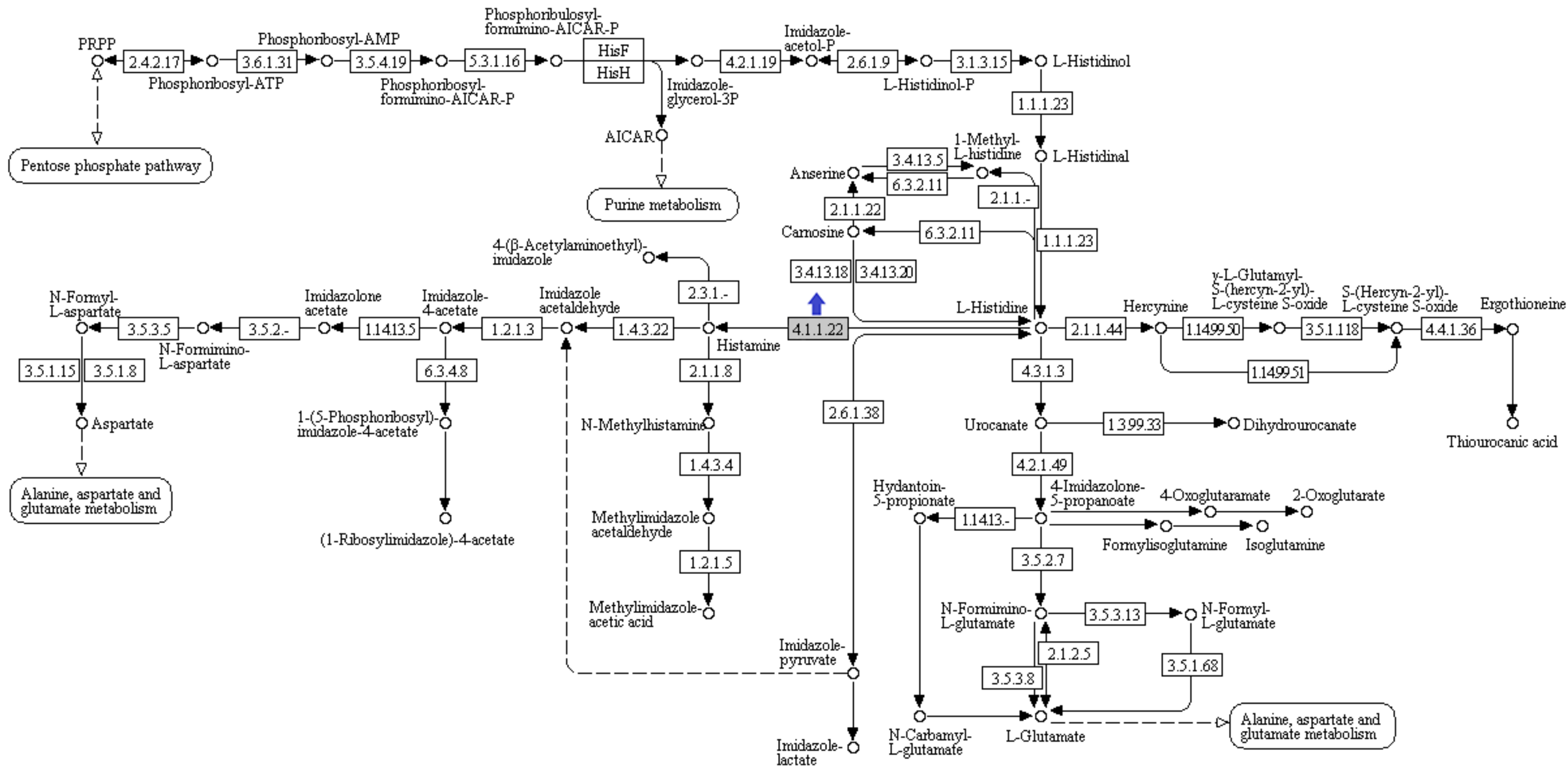


# $\beta$ -ALANINE METABOLISM

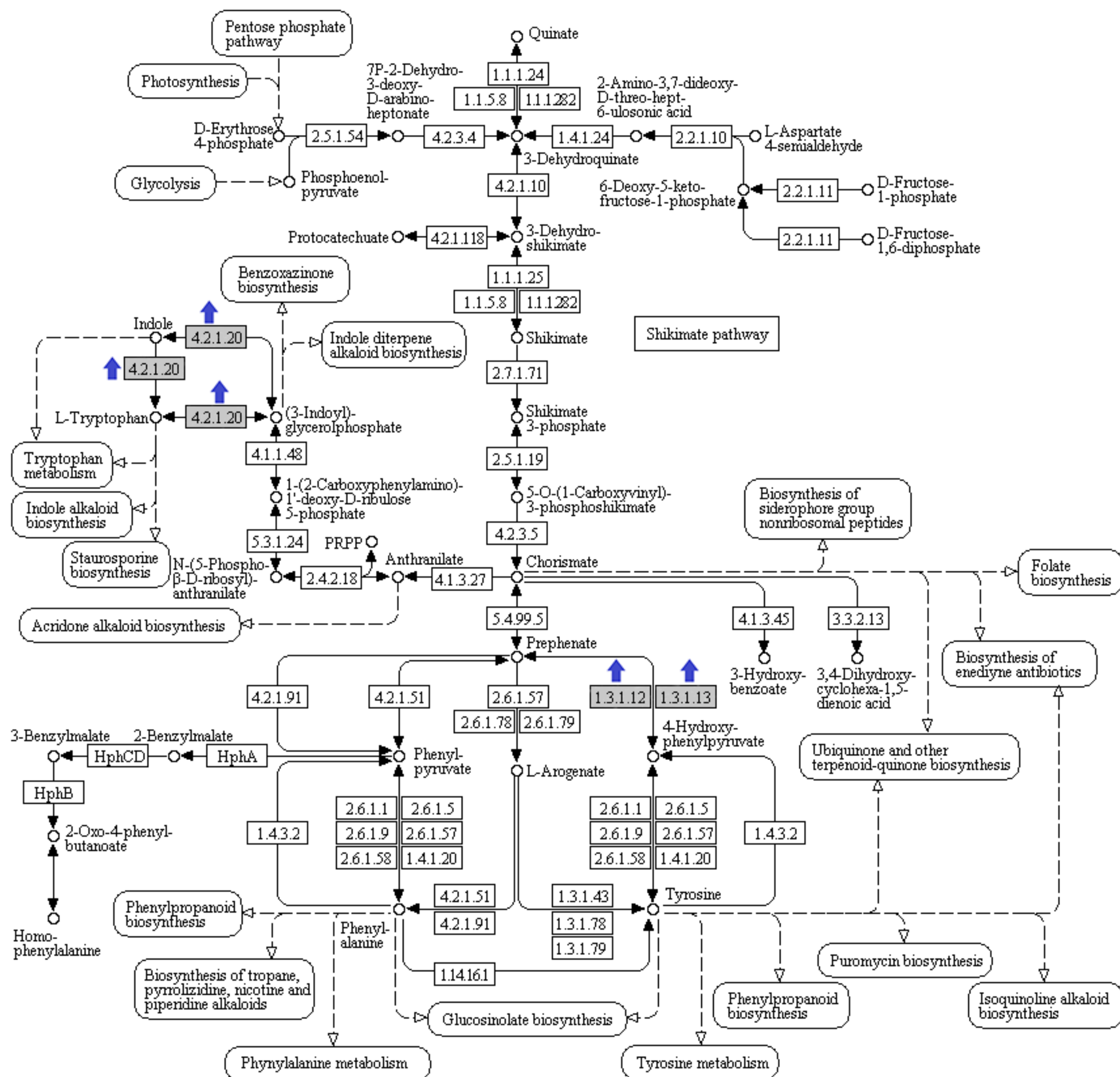


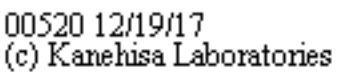
# GLYCINE, SERINE AND THREONINE METABOLISM

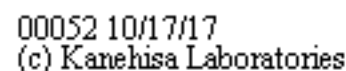


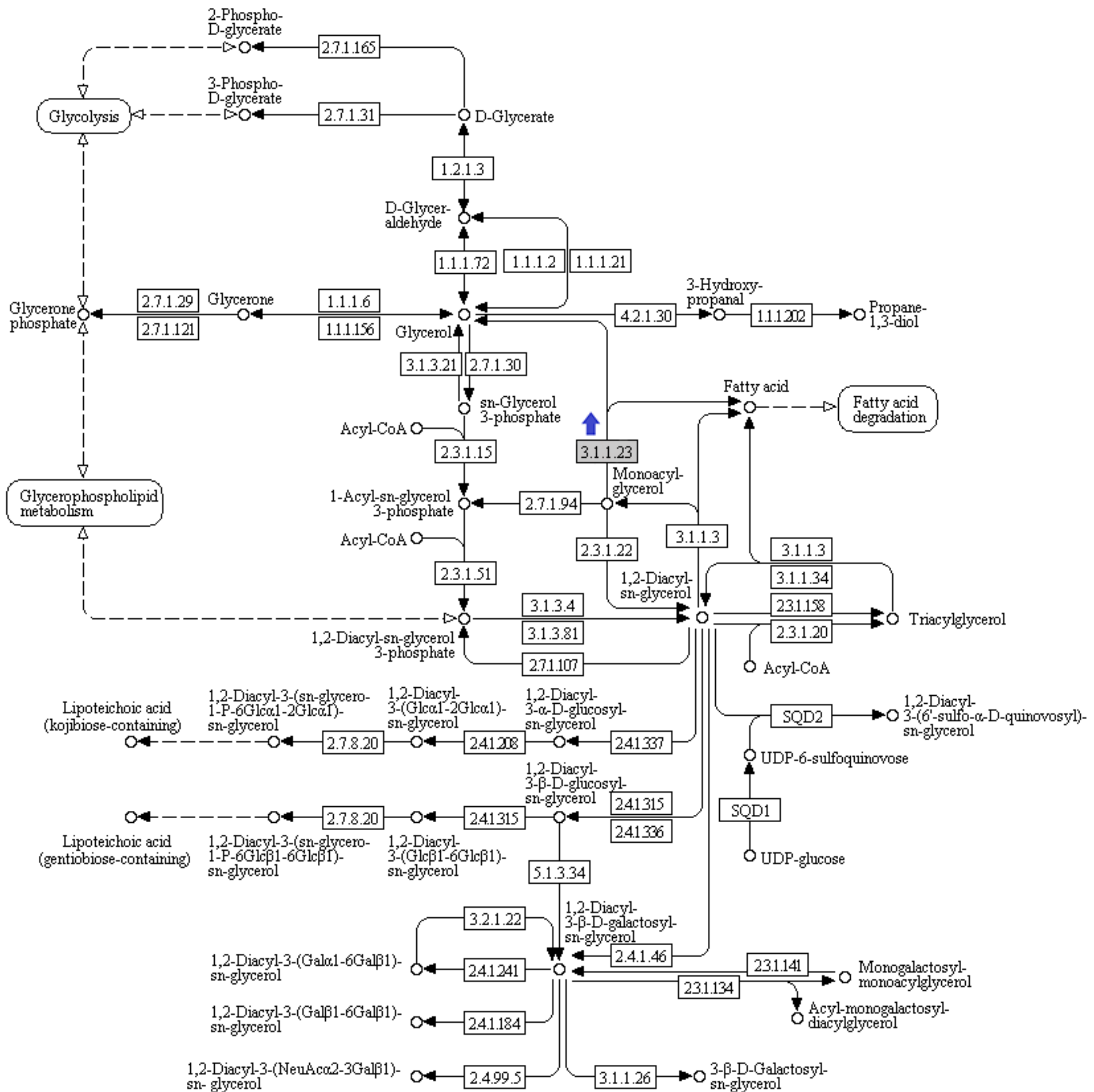


# PHENYLALANINE, TYROSINE AND TRYPTOPHAN BIOSYNTHESIS

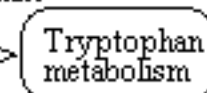




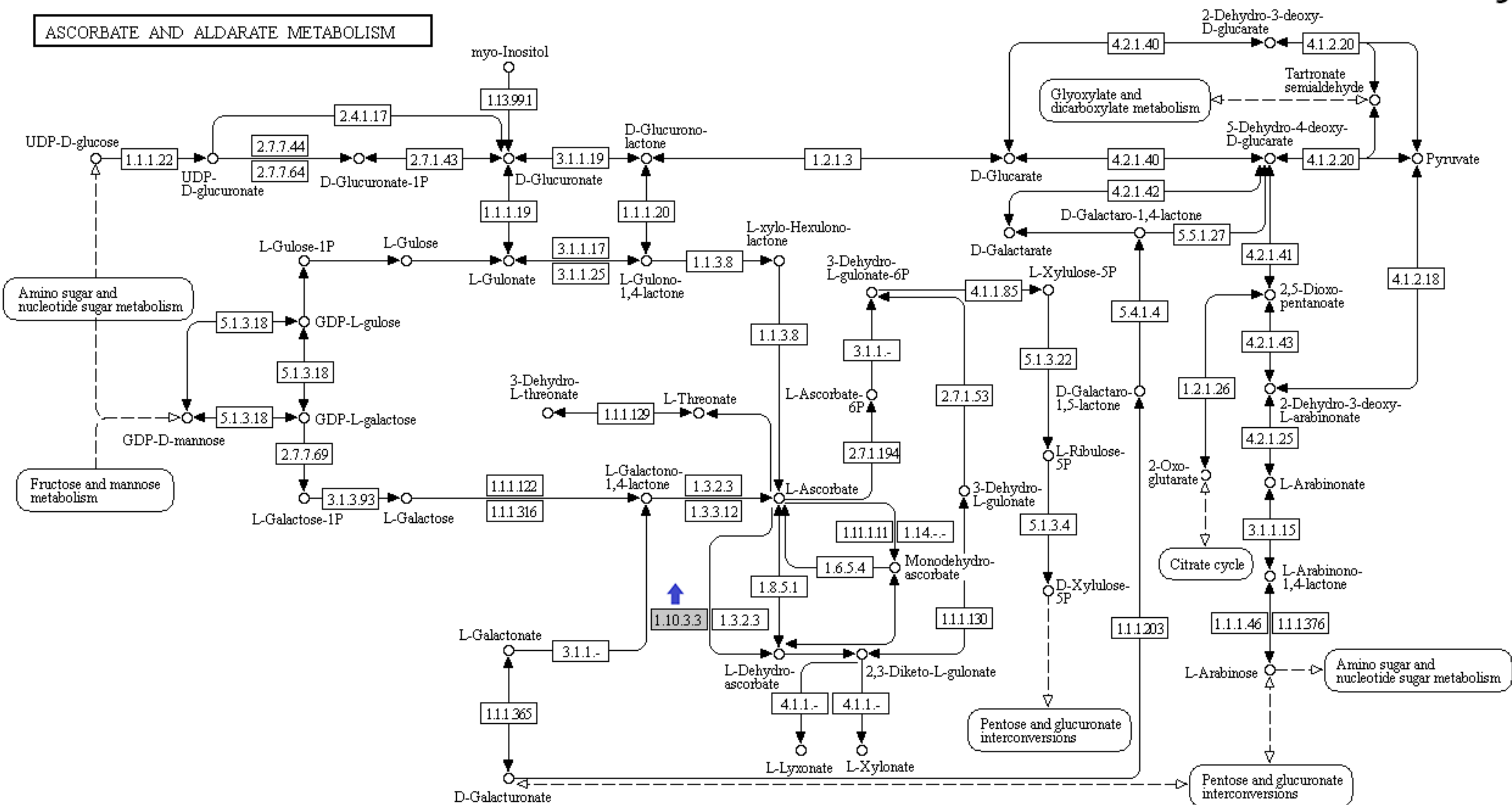




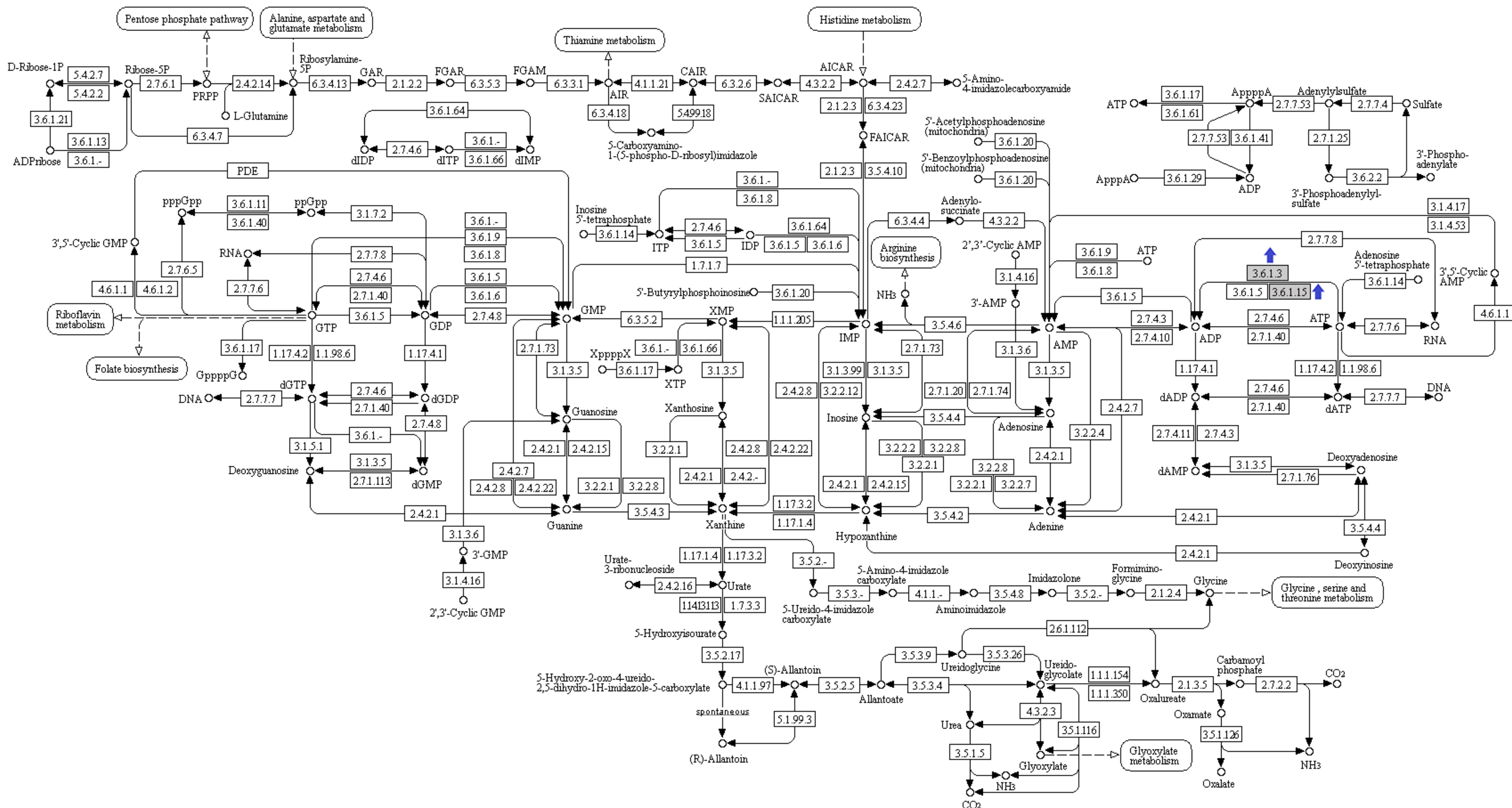
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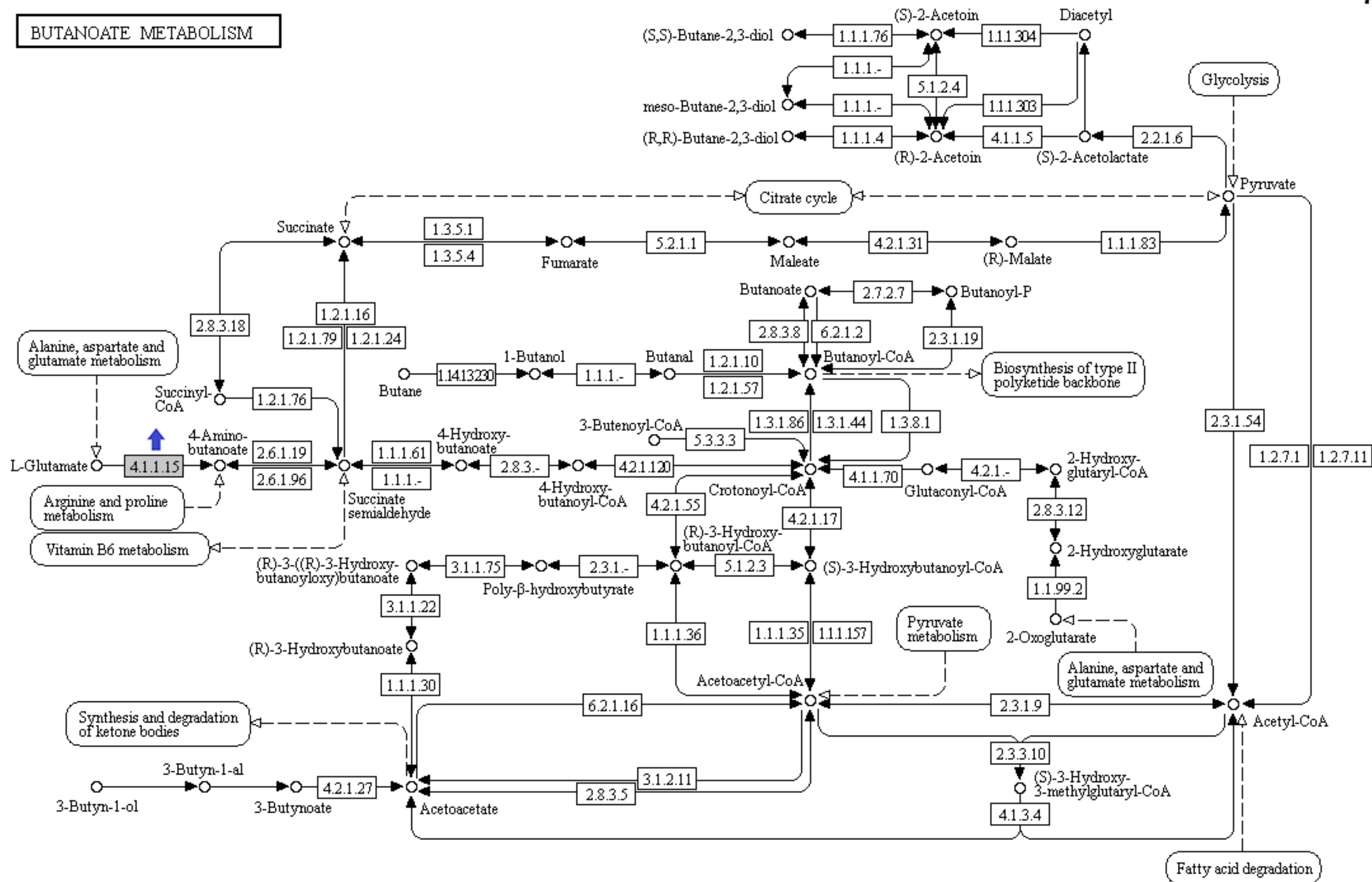
## ASCORBATE AND ALDARATE METABOLISM

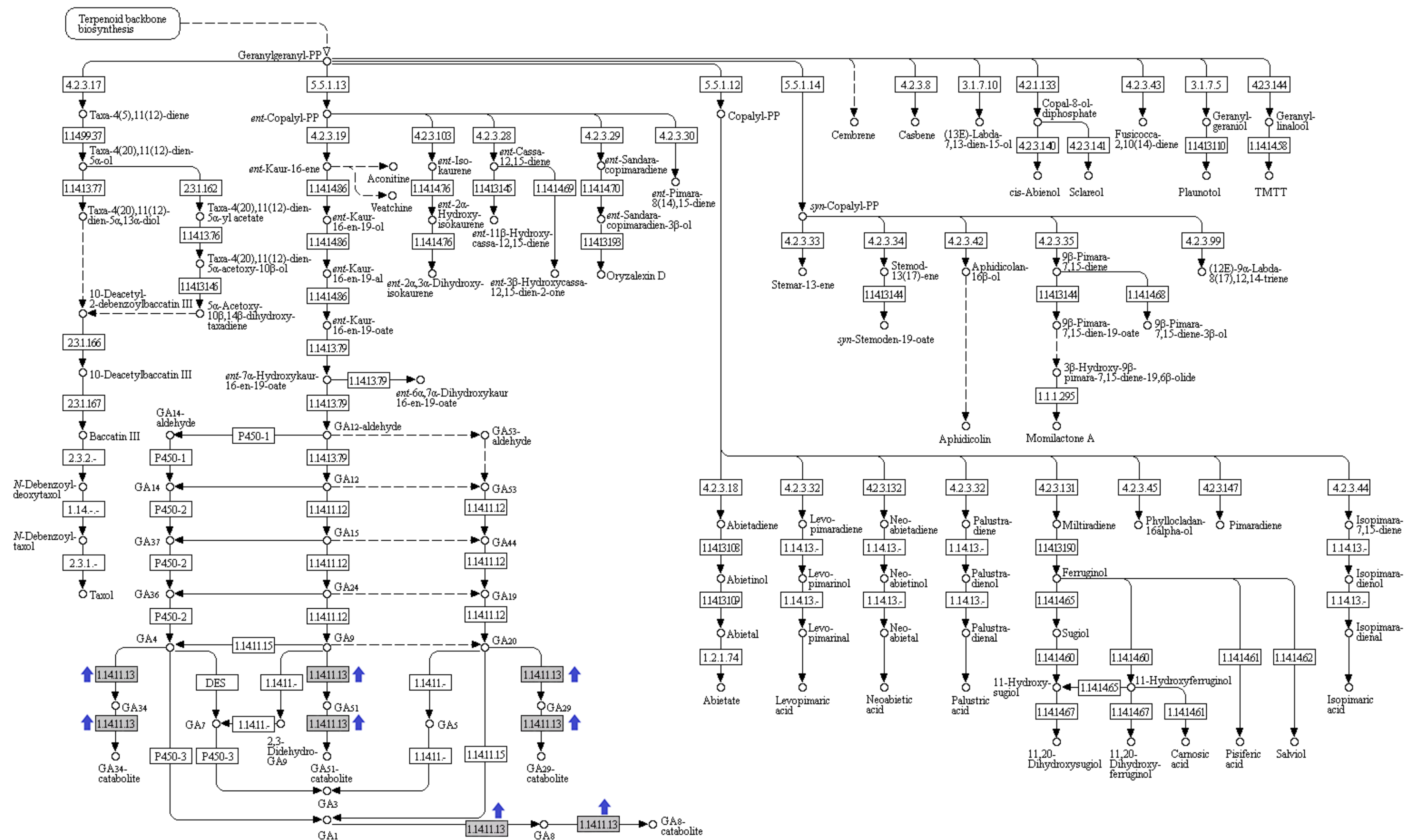




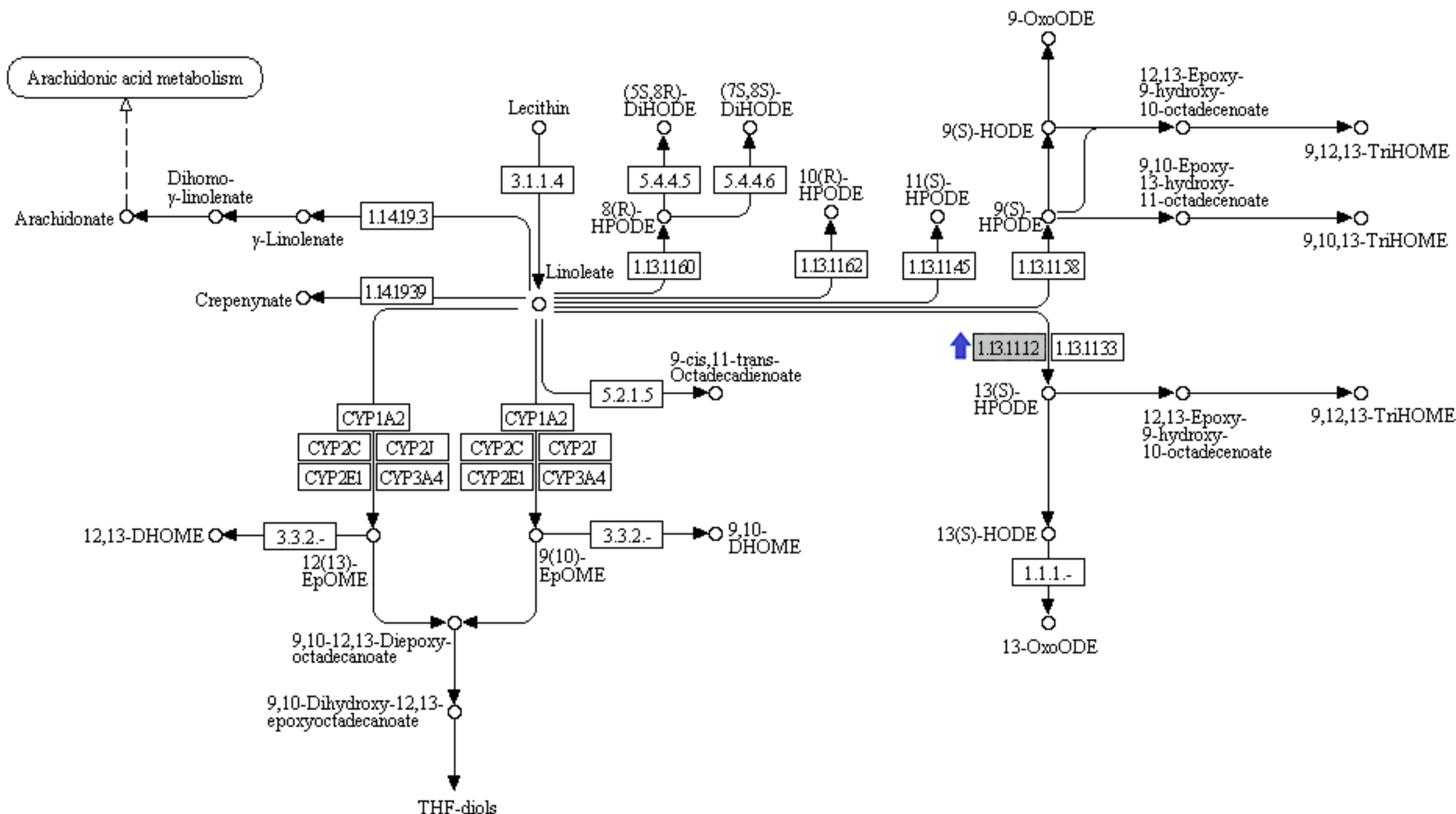


## BUTANOATE METABOLISM

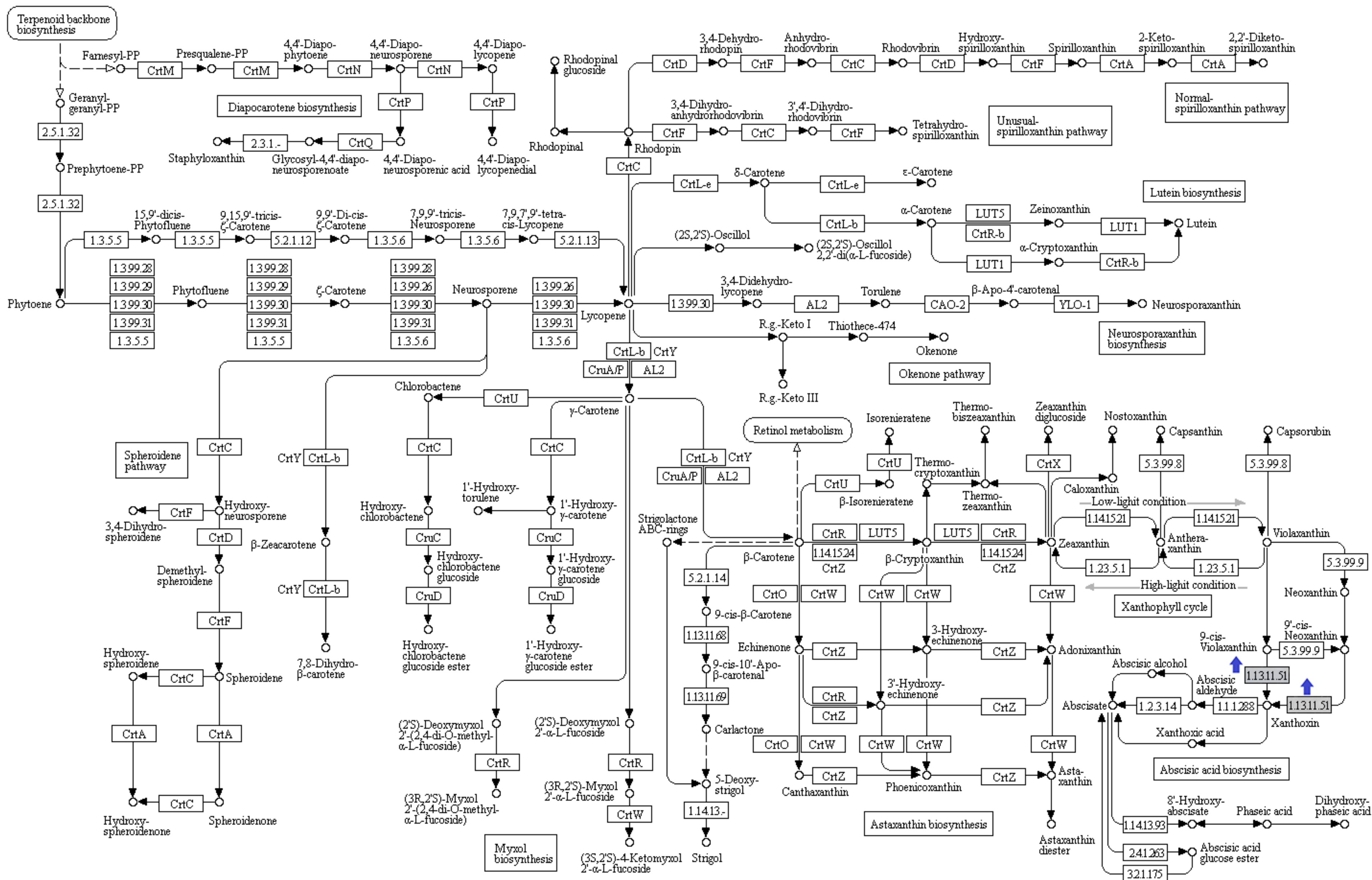


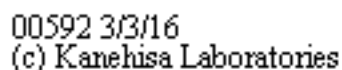


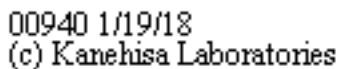
# LINOLEIC ACID METABOLISM



## CAROTENOID BIOSYNTHESIS







# TAURINE AND HYPOTAURINE METABOLISM

