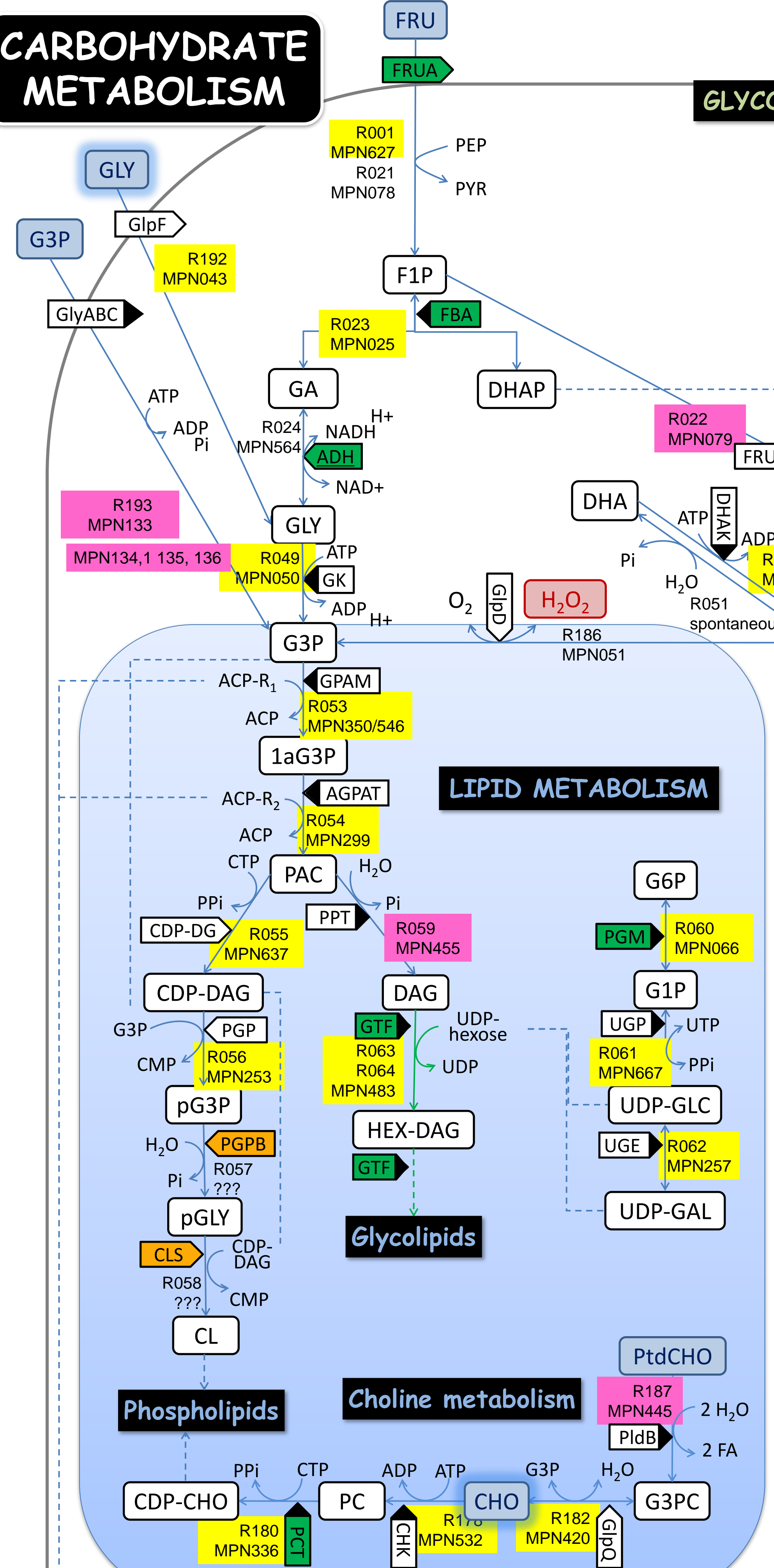
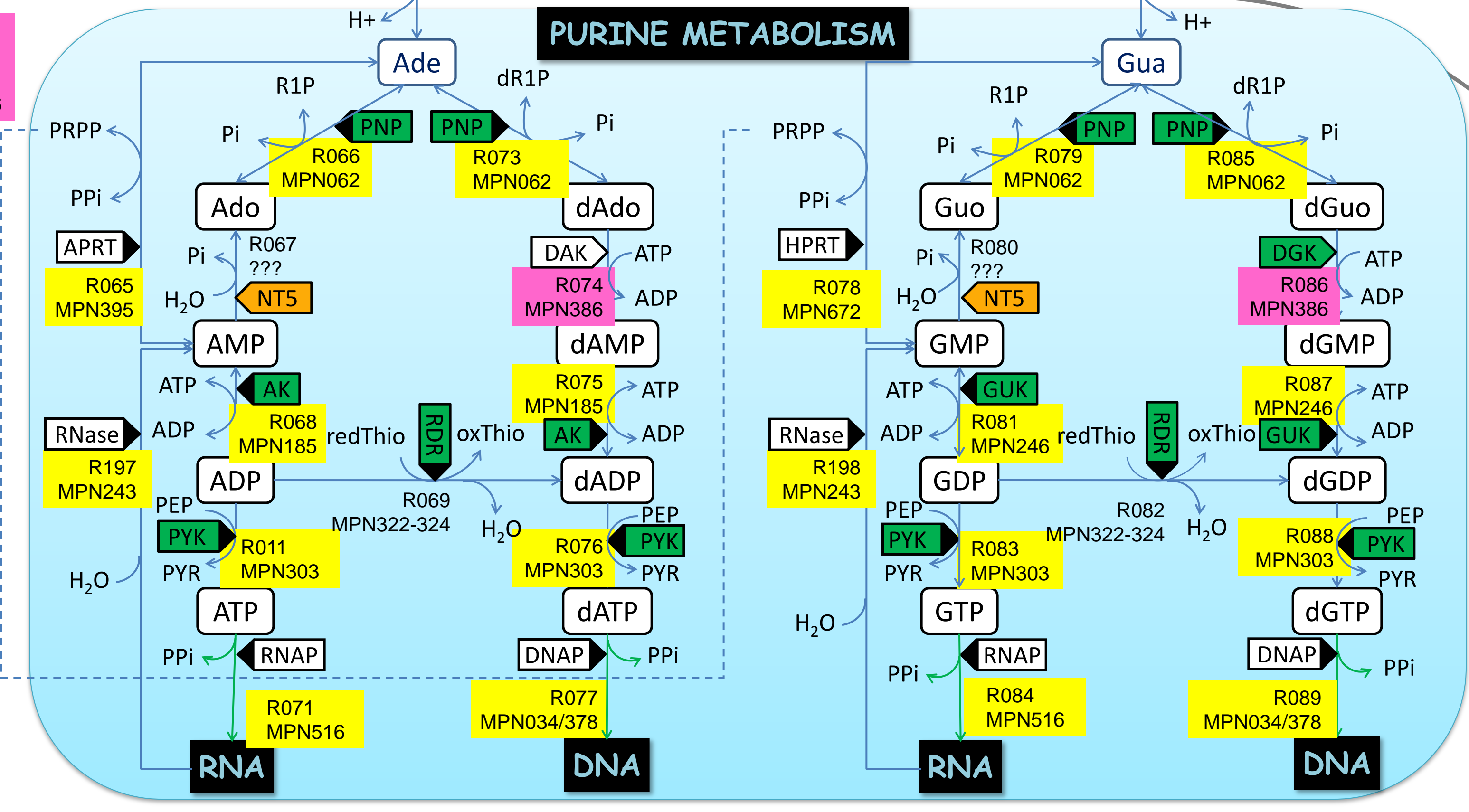


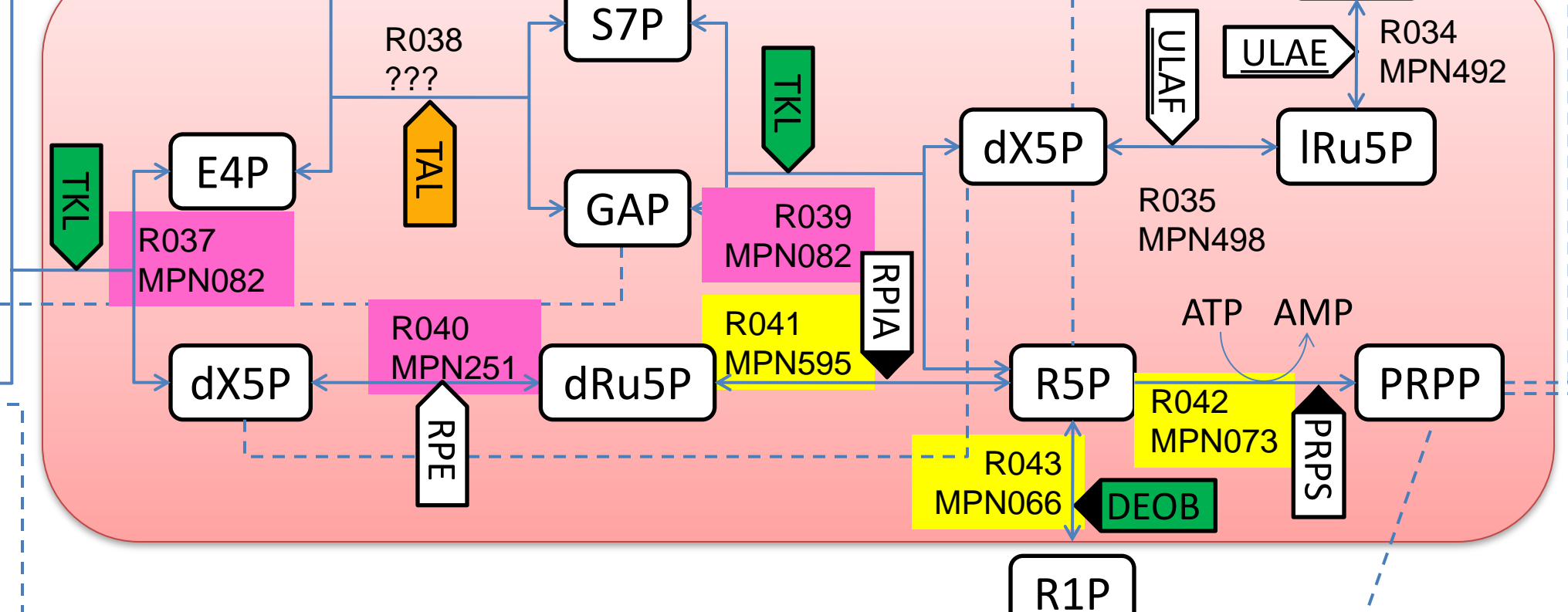
# CARBOHYDRATE METABOLISM



# NUCLEOTIDE METABOLISM



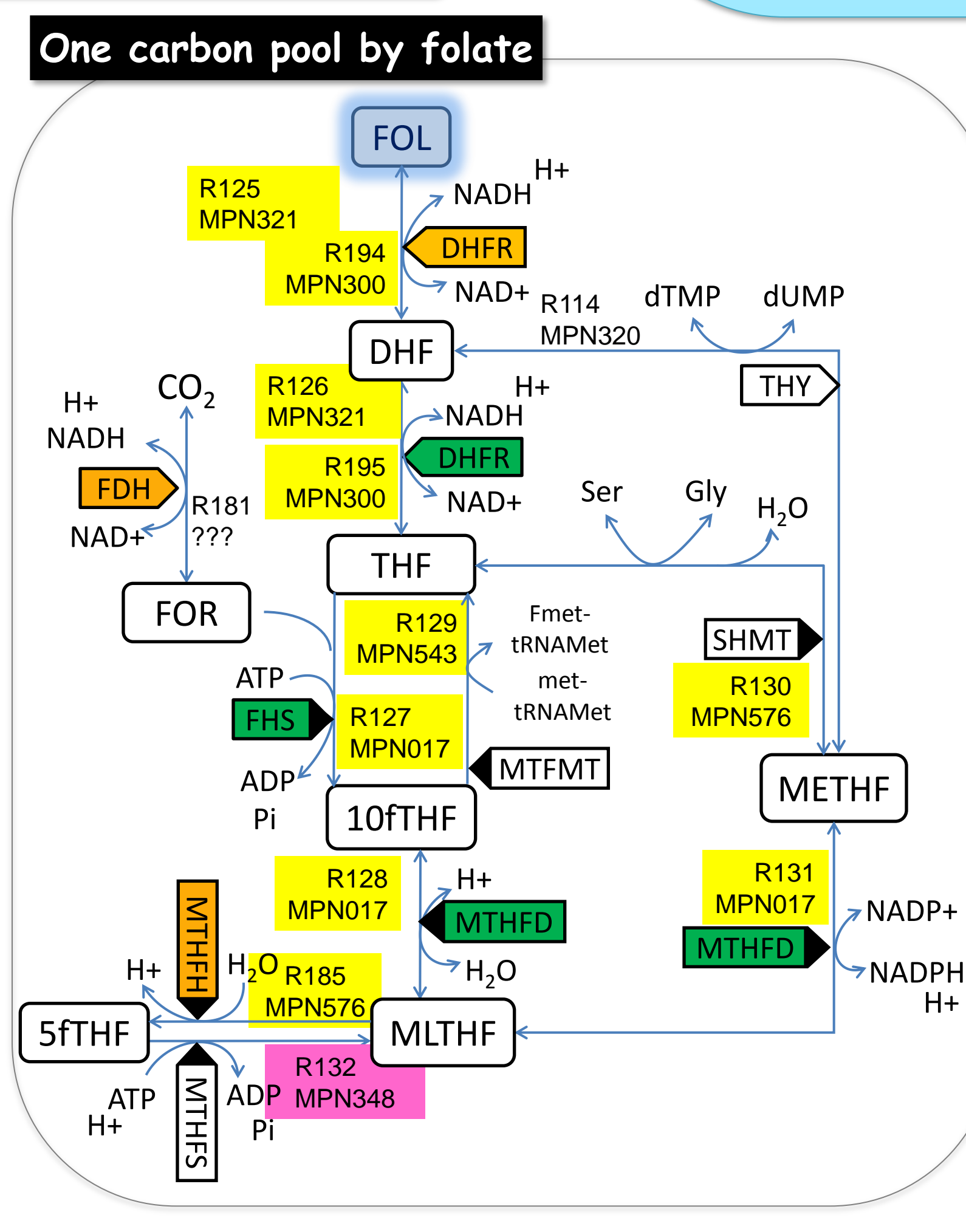
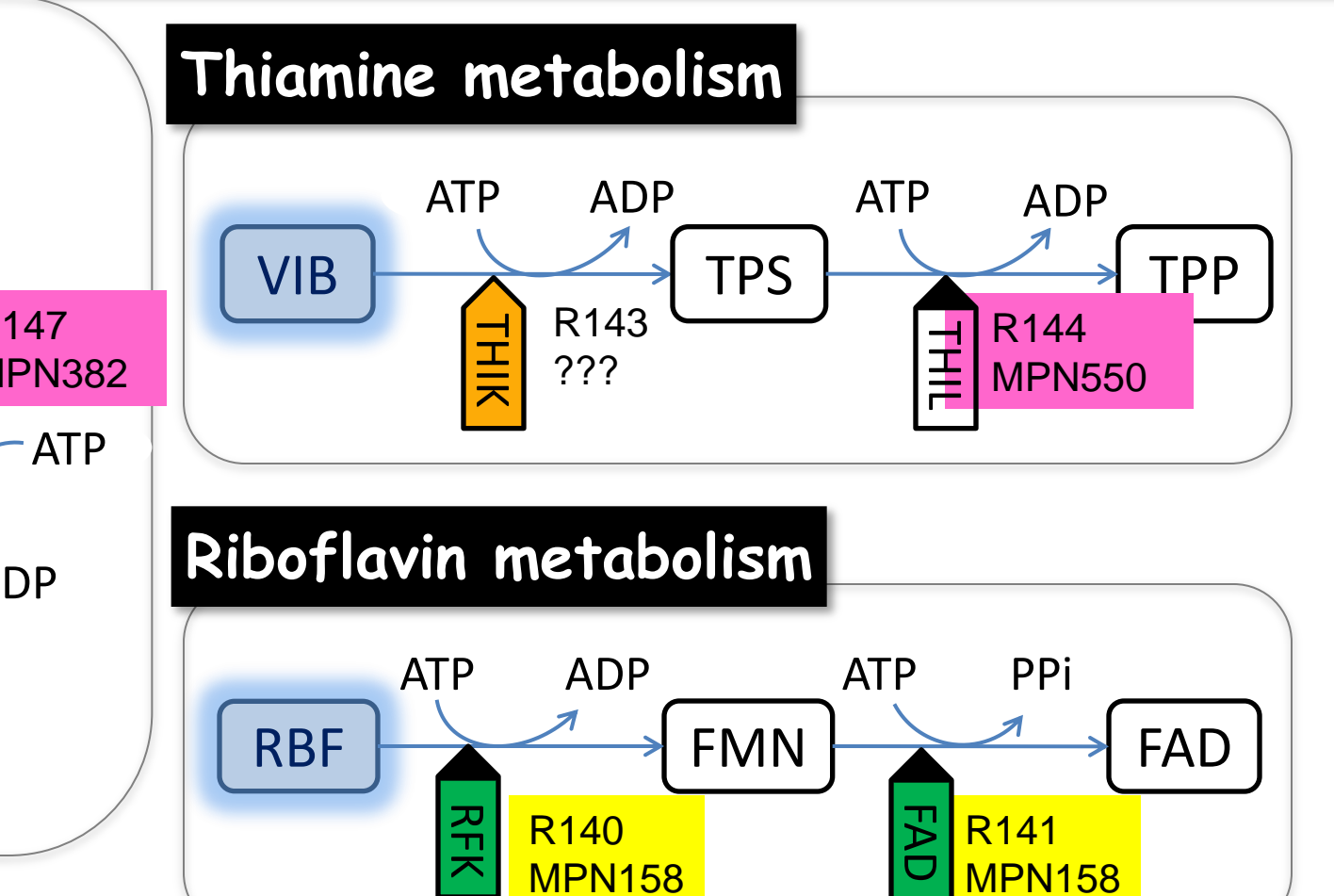
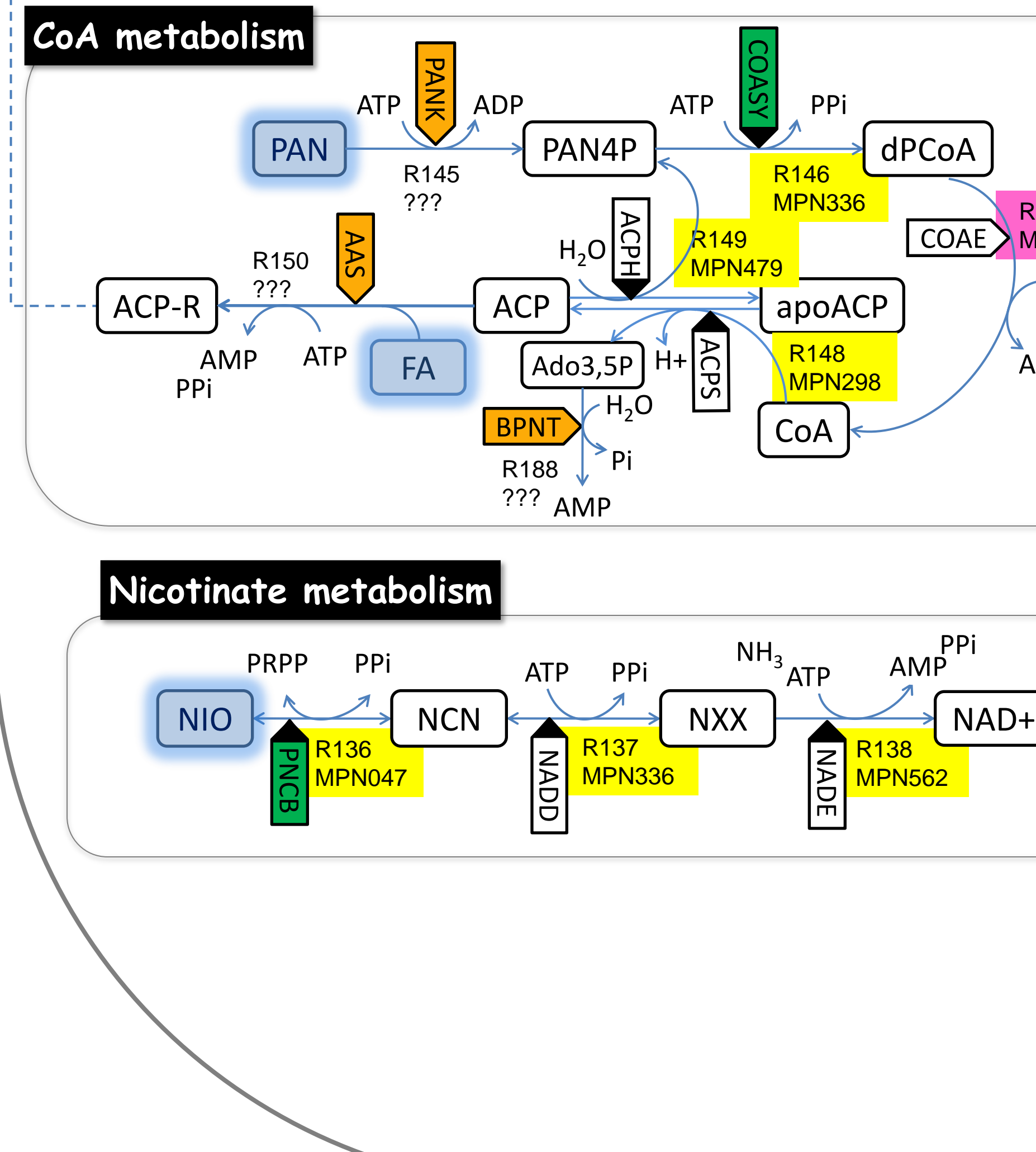
# PENTOSE PHOSPHATE PATHWAY



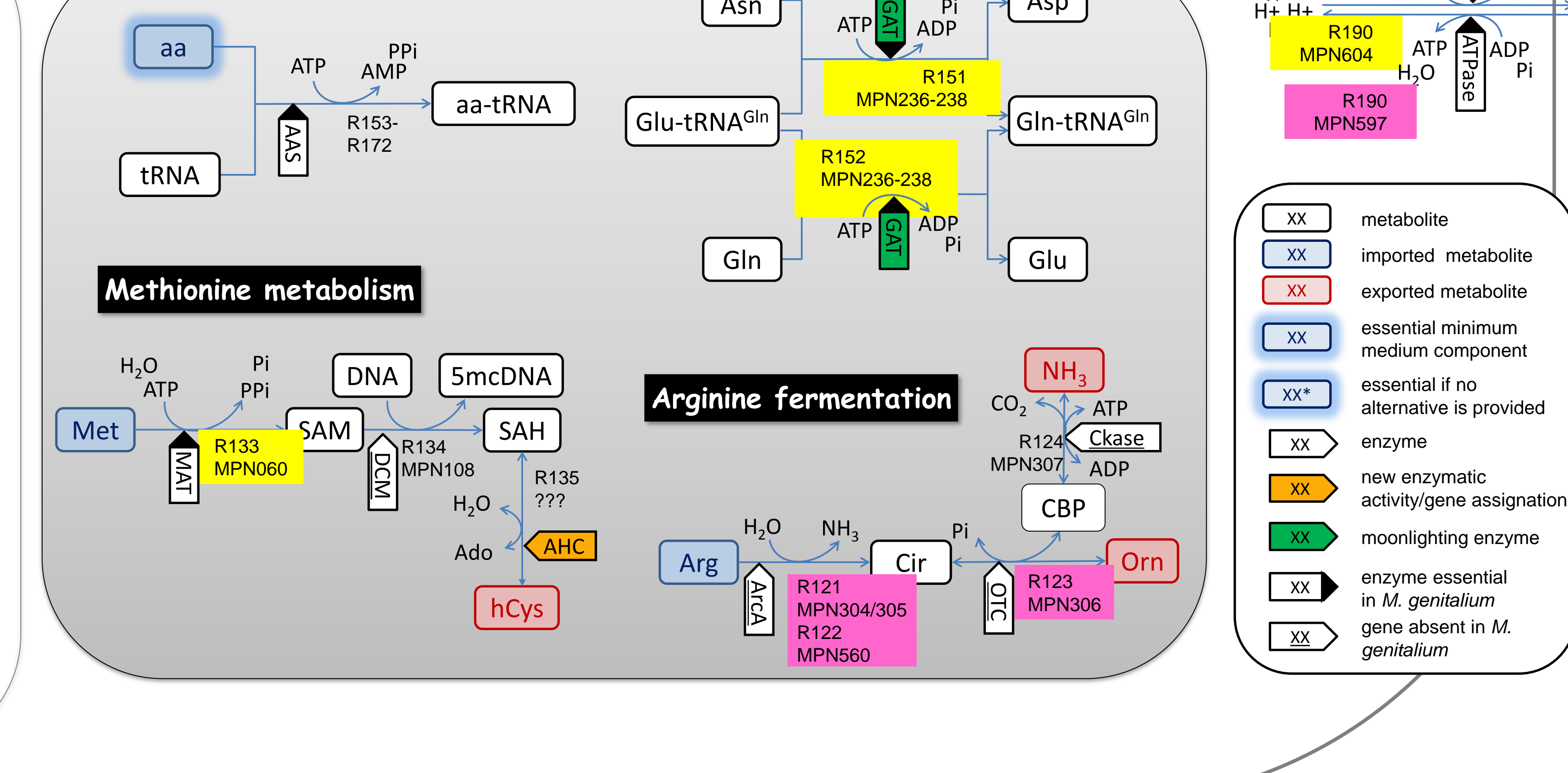
# PYRUVATE METABOLISM



# METABOLISM OF COFACTORS AND VITAMINS



# AMINO ACID METABOLISM



- xx metabolite
- xx imported metabolite
- xx exported metabolite
- xx essential minimum medium component
- xx\* essential if no alternative is provided
- xx enzyme
- xx new enzymatic activity/gene assignment
- xx moonlighting enzyme
- xx enzyme essential in *M. genitalium*
- xx gene absent in *M. genitalium*