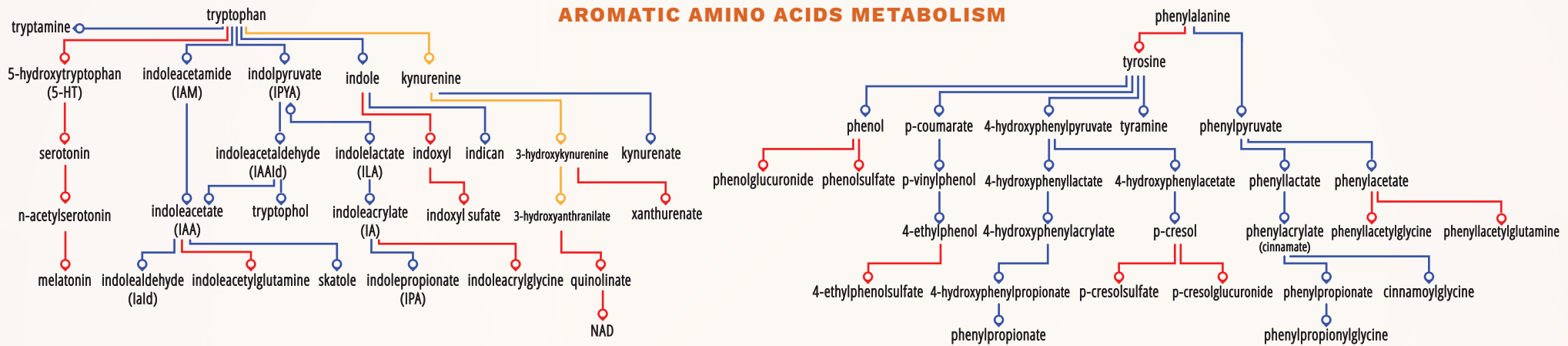


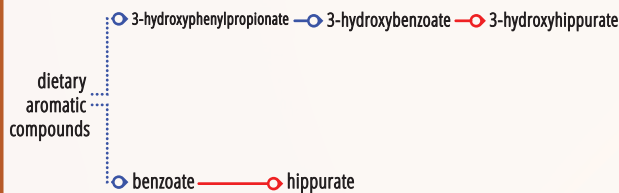
PRECISION

Microbiome Pathways Impacting Health and Disease

AROMATIC AMINO ACIDS METABOLISM



METABOLISM OF PLANT AROMATICS



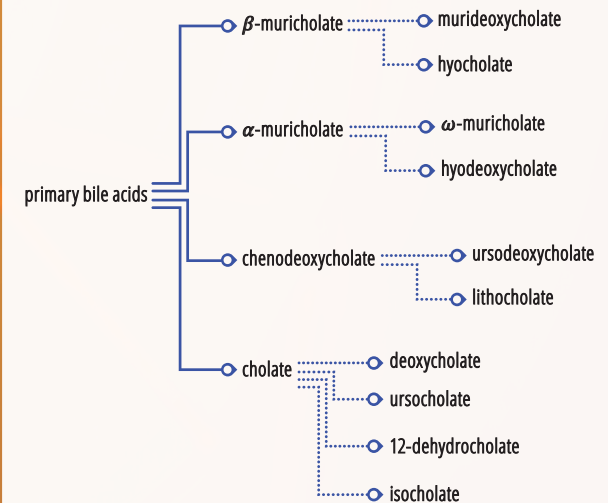
HISTIDINE METABOLISM



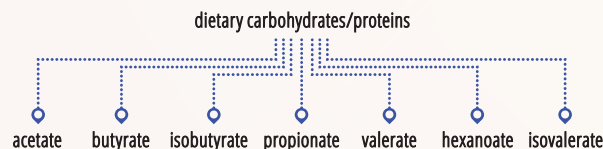
TMAO SYNTHESIS



SECONDARY BILE ACIDS



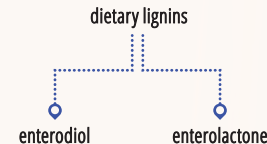
SHORT CHAIN FATTY ACIDS



POLYAMINE METABOLISM



PHYTOESTROGENS



KEY

● Mammalian Reaction

● Bacterial Reaction

● Co-Regulated by Mammalian and Bacterial Reactions

⋯ Multiple Metabolic Steps