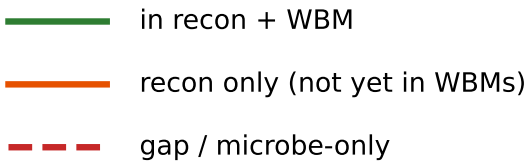
Saudubray IEM chapters — reconDBdelta pathway figures

Each chapter's overview pathway, every arrow labelled with the reconDBdelta reaction. Re-audited 2026-07-14.

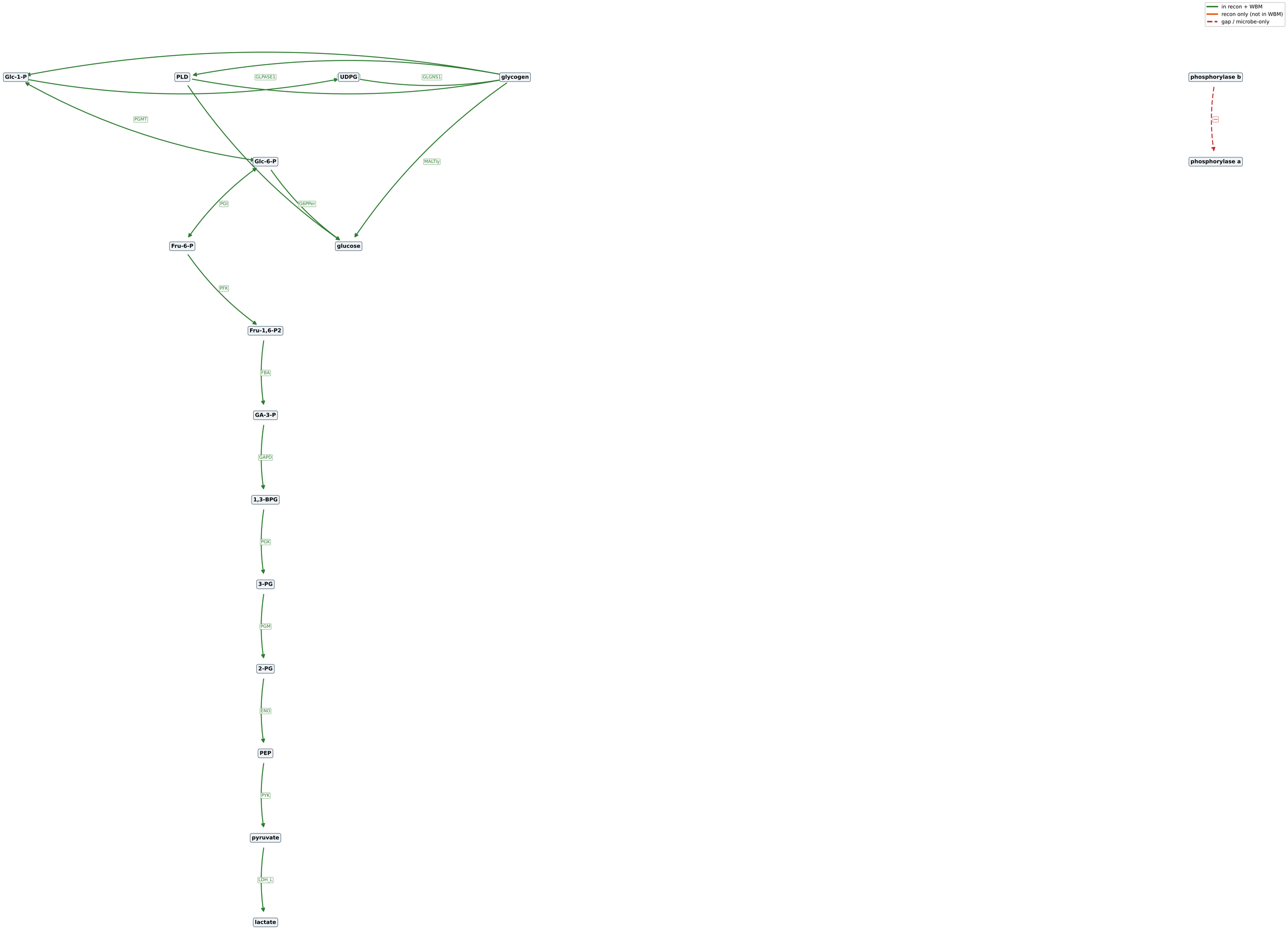


Status re-audited against current reconDBdelta (2026-07-14): recon+WBM 521 · recon-only 23 · gap 65.

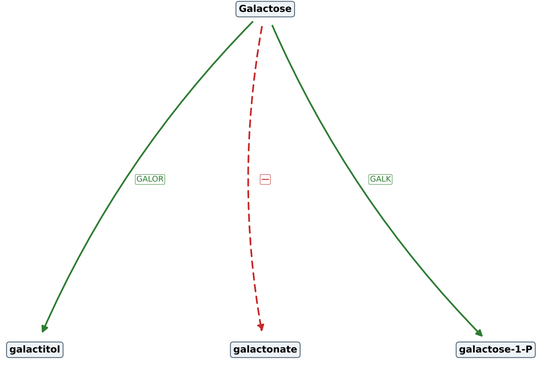
Newly in WBM since first audit (this session): RE2493C, BAAT4x, GSNKm, HMR_0808; SERR now in recon.

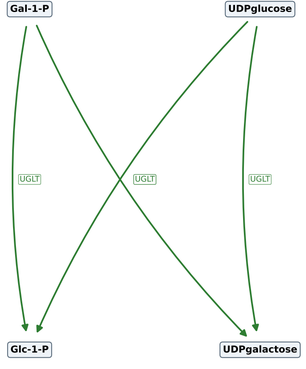
Layout auto-generated (approximate). Companion: Saudubray_IEM_pathway_VMH_coverage.md. All 38 chapters (6-43).

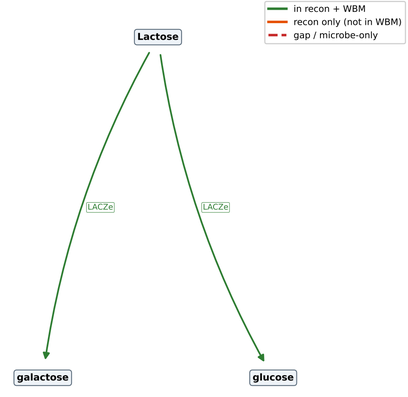
Fig. 6.1 "Scheme of glycogen metabolism and glycolysis" · arrows labelled with reconDBdelta reaction



Chapter 7 — Disorders of Galactose Metabolism
Fig. 7.1a,b · arrows labelled with reconDBdelta reaction

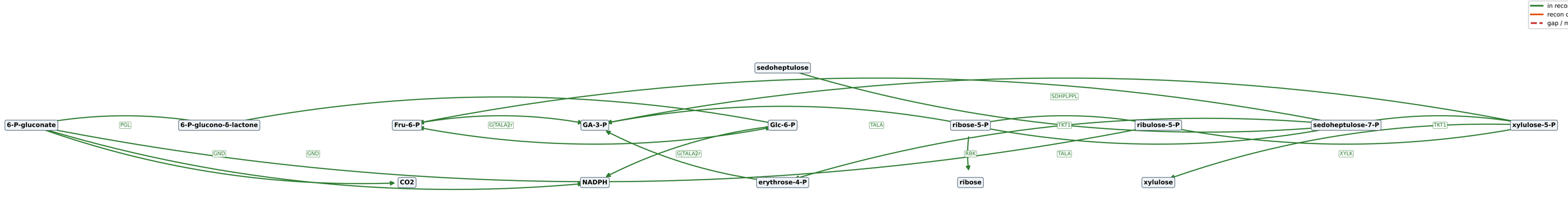






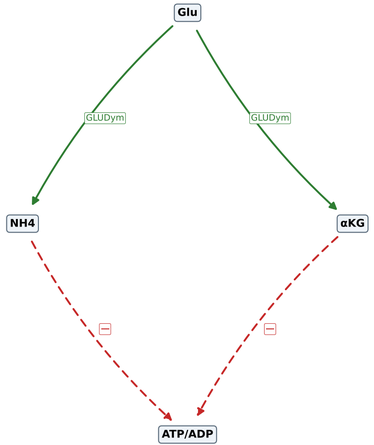
Chapter 8 — Disorders of the Pentose Phosphate Pathway

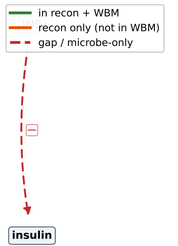
Fig. 8.1 "The pentose phosphate pathway" · arrows labelled with reconDBdelta reaction



Chapter 9 — Disorders of Fructose Metabolism
Fig. 9.1 "Fructose metabolism" · arrows labelled with reconDBdelta reaction

Chapter 10 — Persistent Hyperinsulinaemic Hypoglycaemia
· arrows labelled with reconDBdelta reaction



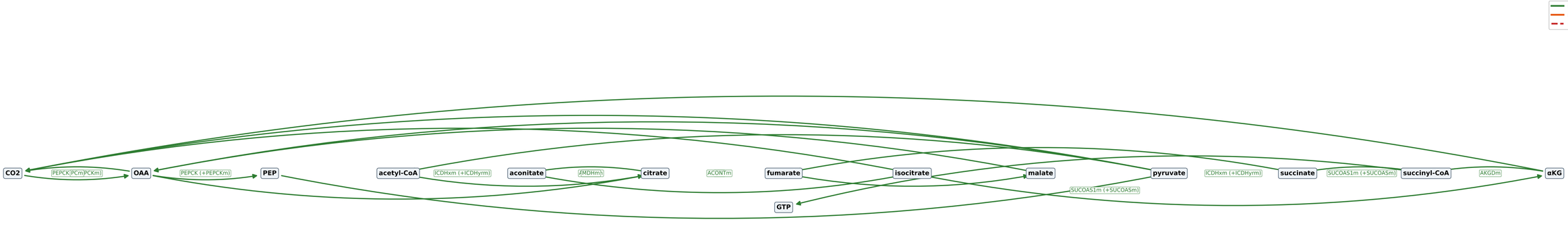


Chapter 11 — Disorders of Glucose Transport

Fig. 11.1 "Major routes of glucose transport" · arrows labelled with reconDBdelta reaction

Chapter 12 — Disorders of Pyruvate Metabolism and the TCA Cycle

Fig. 12.1 · arrows labelled with reconDBdelta reaction



Chapter 13 — Disorders of Mitochondrial Fatty Acid Oxidation
Fig. 13.1 · arrows labelled with reconDBdelta reaction

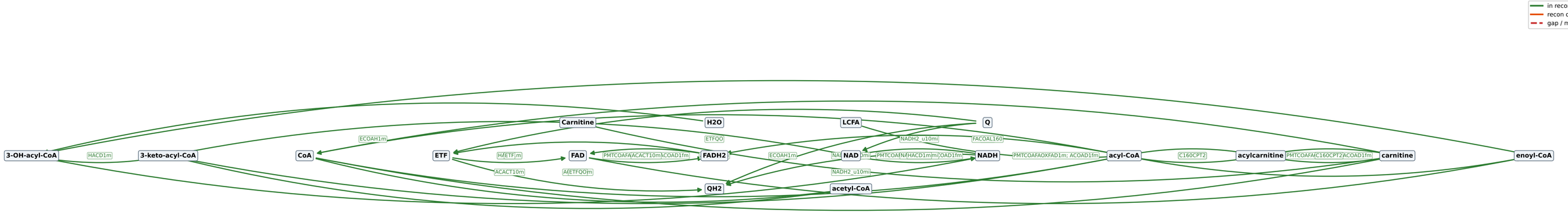
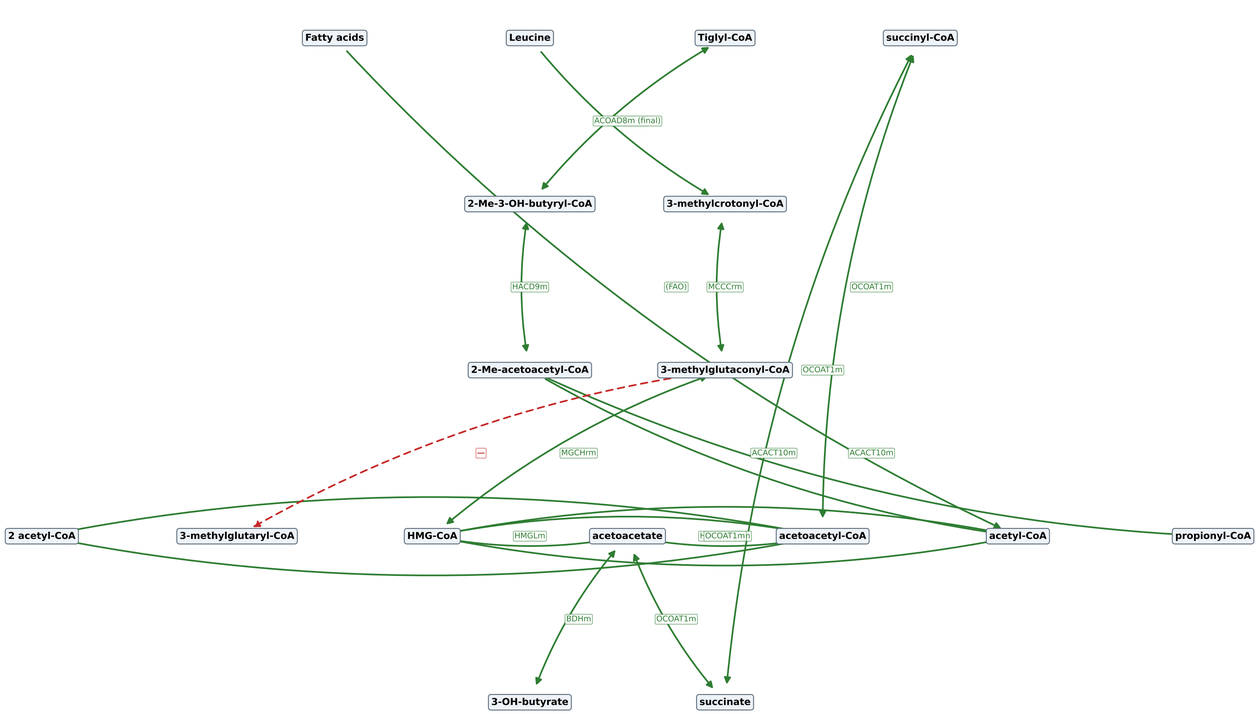
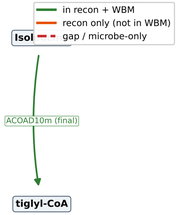


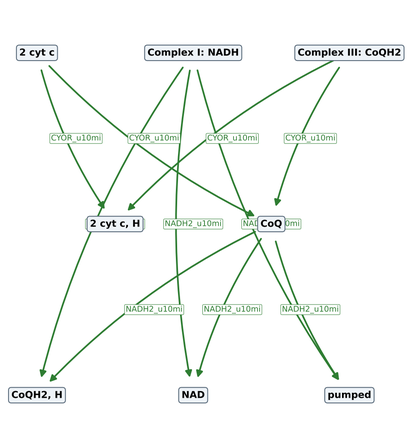
Fig. 14.1 · arrows labelled with reconDBdelta reaction

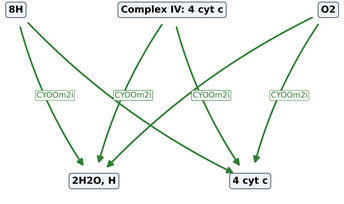


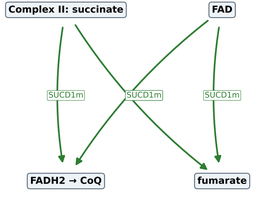


Chapter 15 — Defects of the Respiratory Chain

Fig. 15.1 "The mitochondrial respiratory chain" · arrows labelled with reconDBdelta reaction







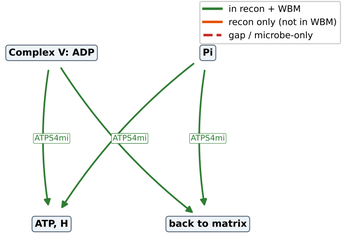
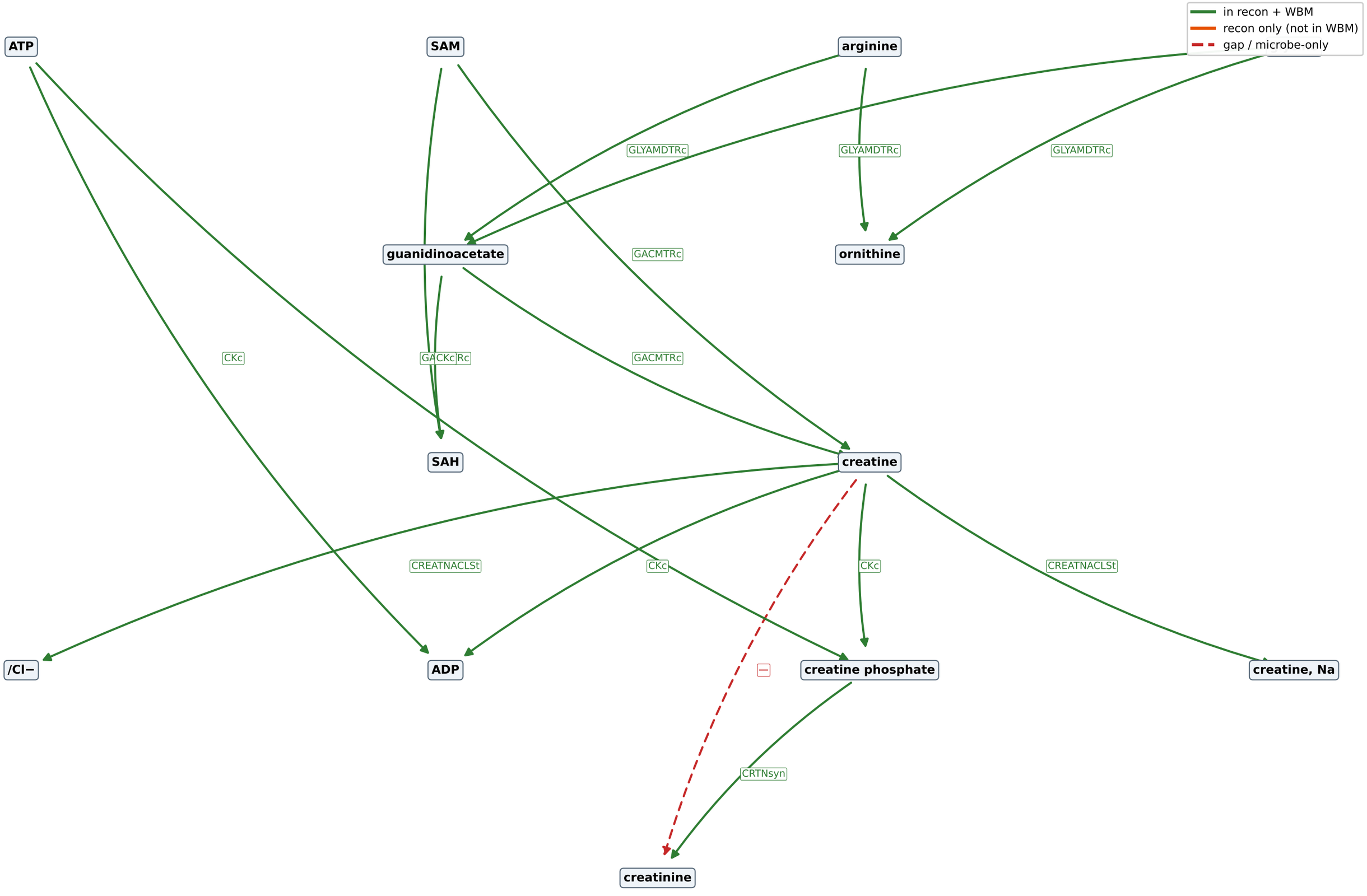
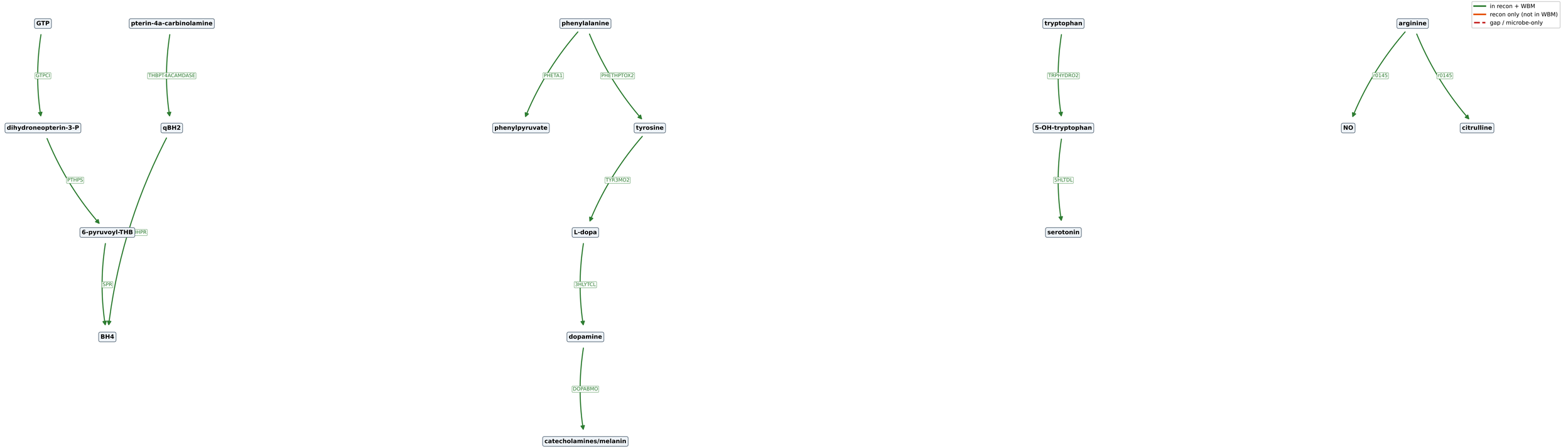


Fig. 16.1 · arrows labelled with reconDBdelta reaction



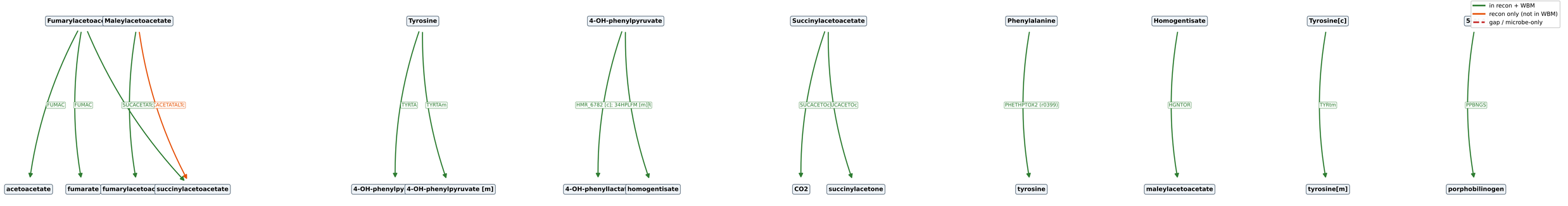
Chapter 17 — Hyperphenylalaninaemia

Fig. 17.1 · arrows labelled with reconDBdelta reaction



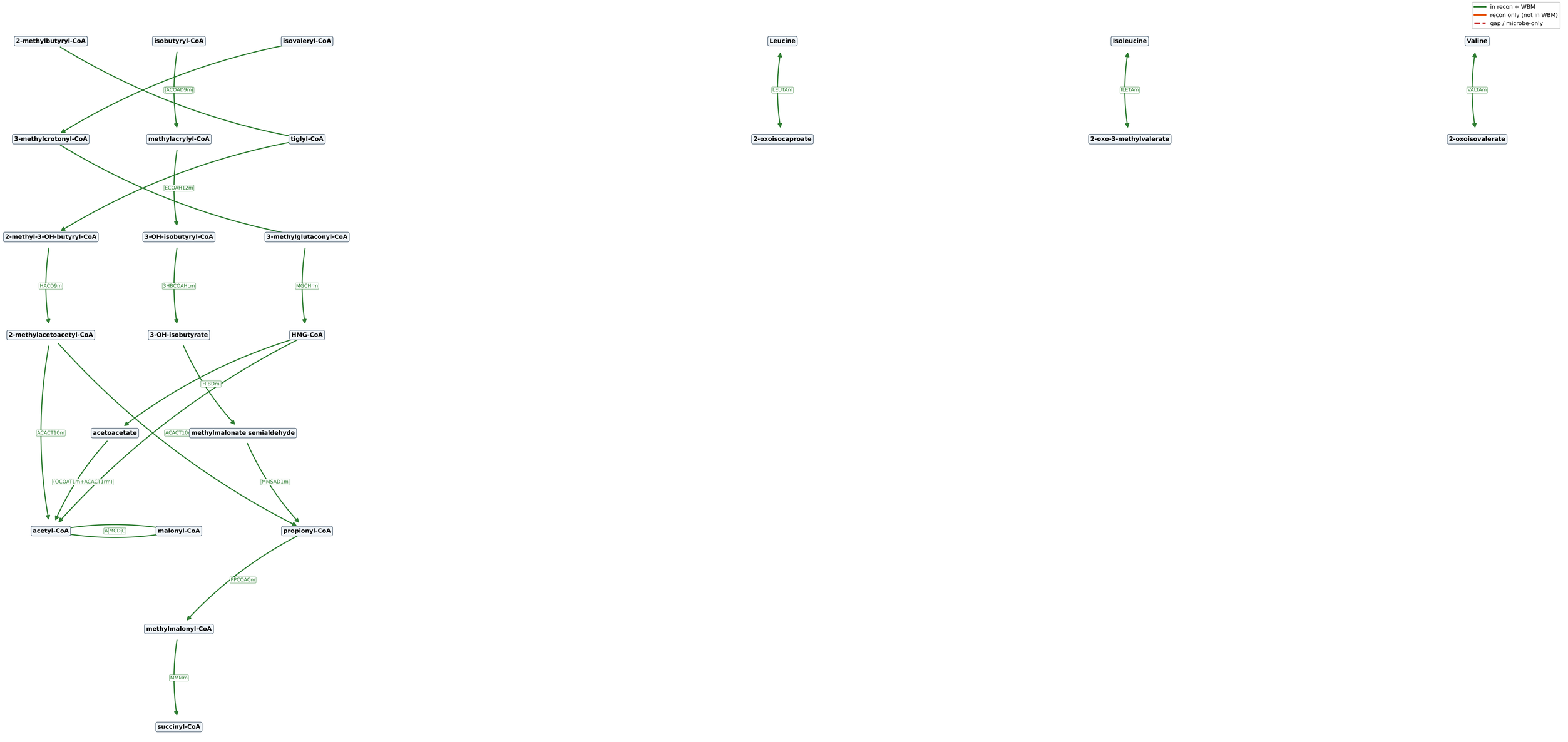
Chapter 18 — Disorders of Tyrosine Metabolism

Fig. 18.1 "The tyrosine catabolic pathway" · arrows labelled with reconDBdelta reaction



Chapter 19 — Branched-chain Organic Acidurias/Acidaemias

Fig. 19.1 "Pathways of branched-chain amino acid catabolism" · arrows labelled with reconDBdelta reaction



Chapter 20 — Disorders of the Urea Cycle and Related Enzymes
Fig. 20.1 · arrows labelled with reconDBdelta reaction

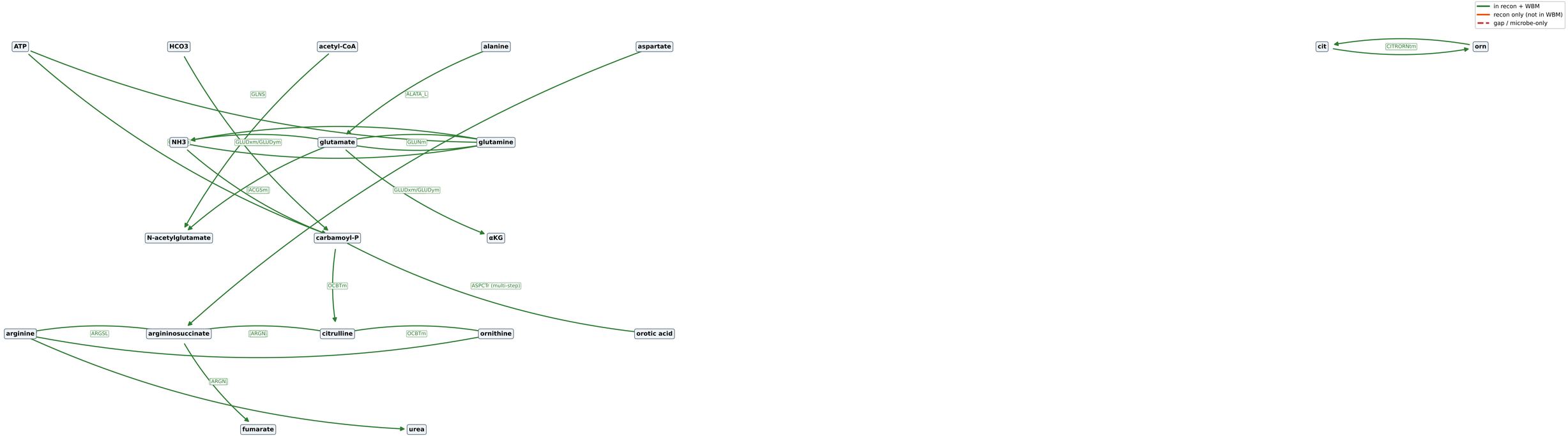
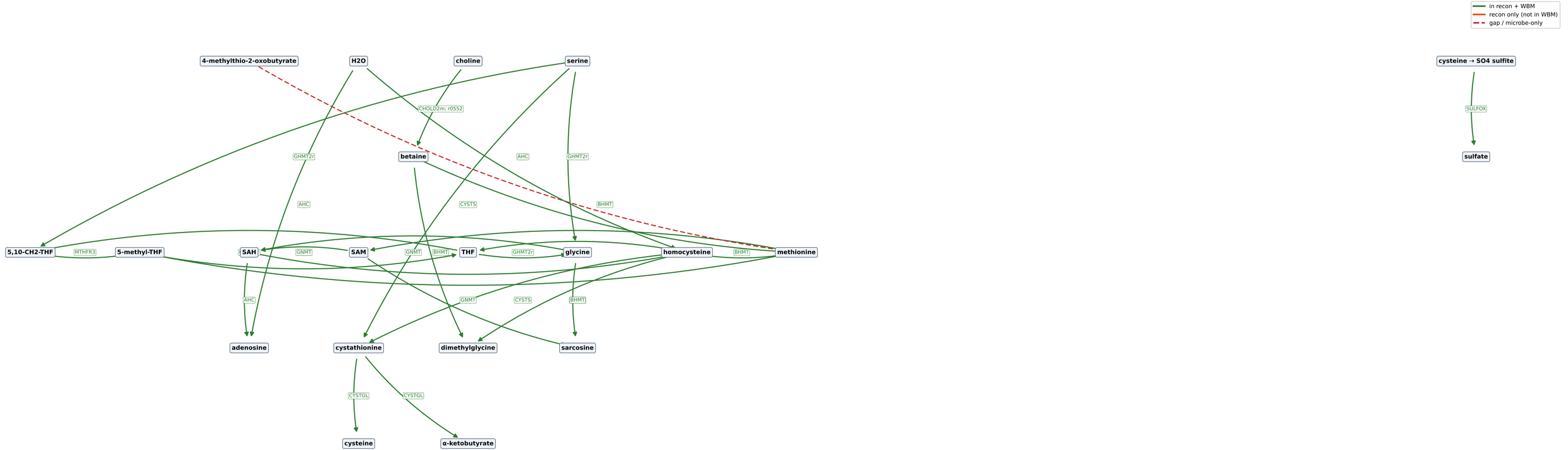


Fig. 21.1 "Metabolism of the sulfur-containing amino acids" · arrows labelled with reconDBdelta reaction



Chapter 22 — Disorders of Ornithine Metabolism

Fig. 22.1 "Ornithine metabolic pathways" · arrows labelled with reconDBdelta reaction

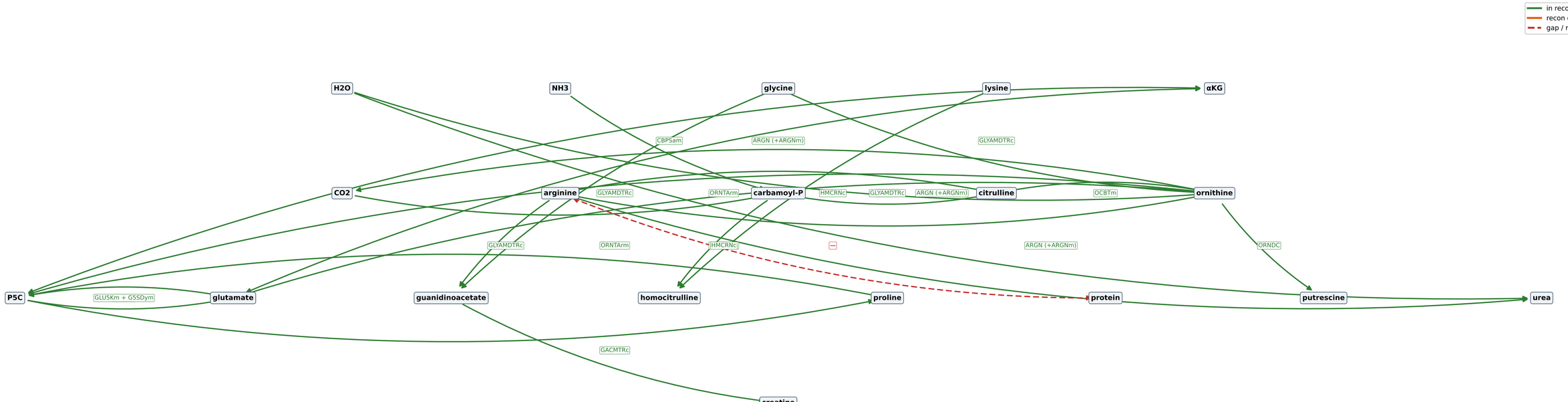
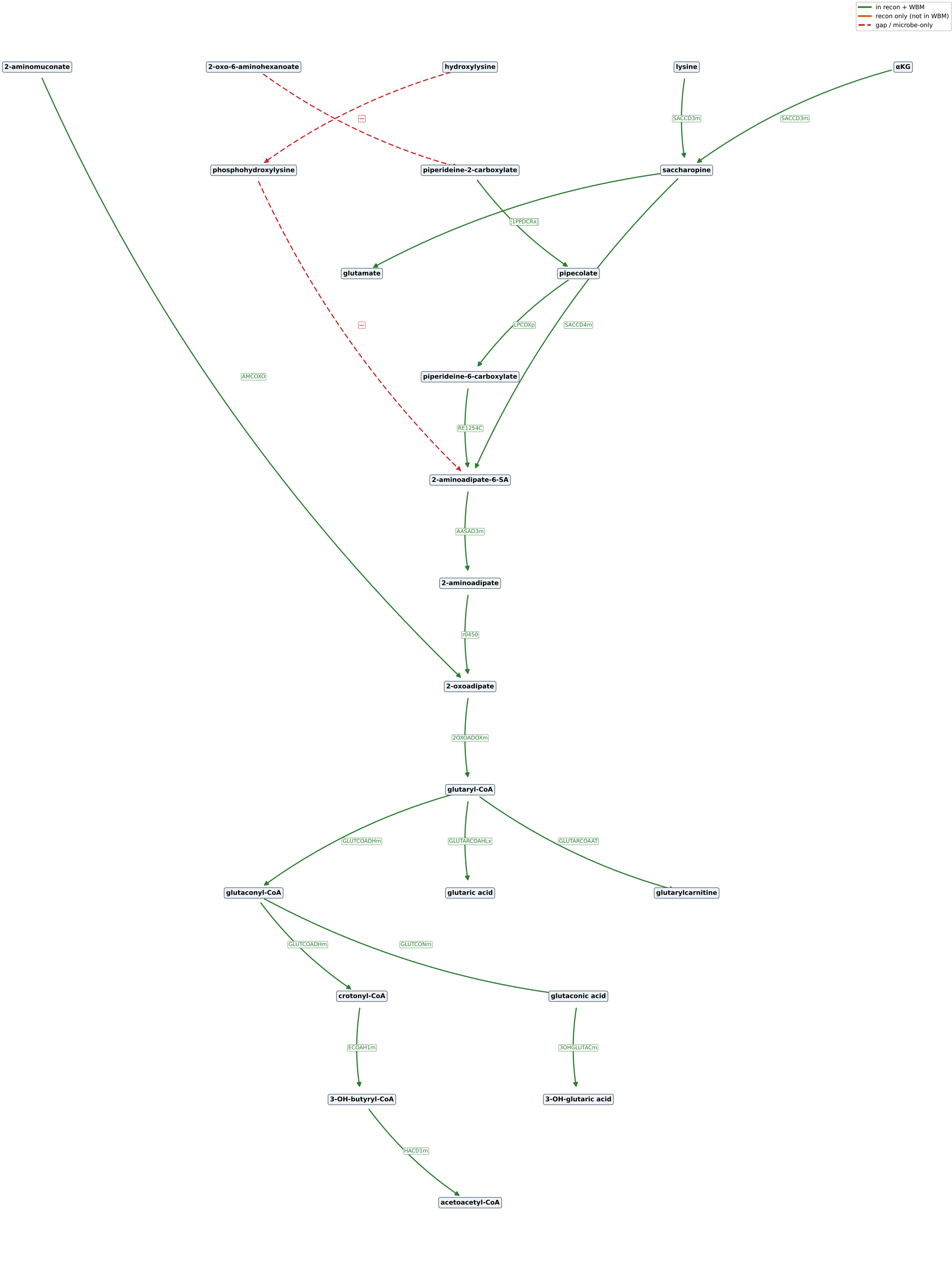
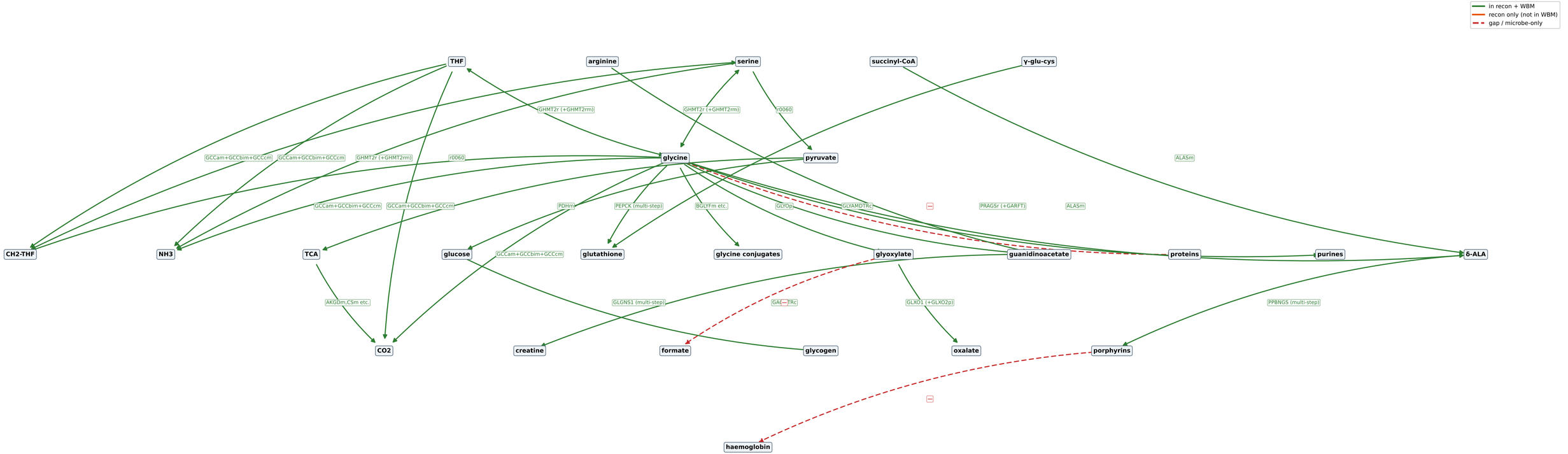


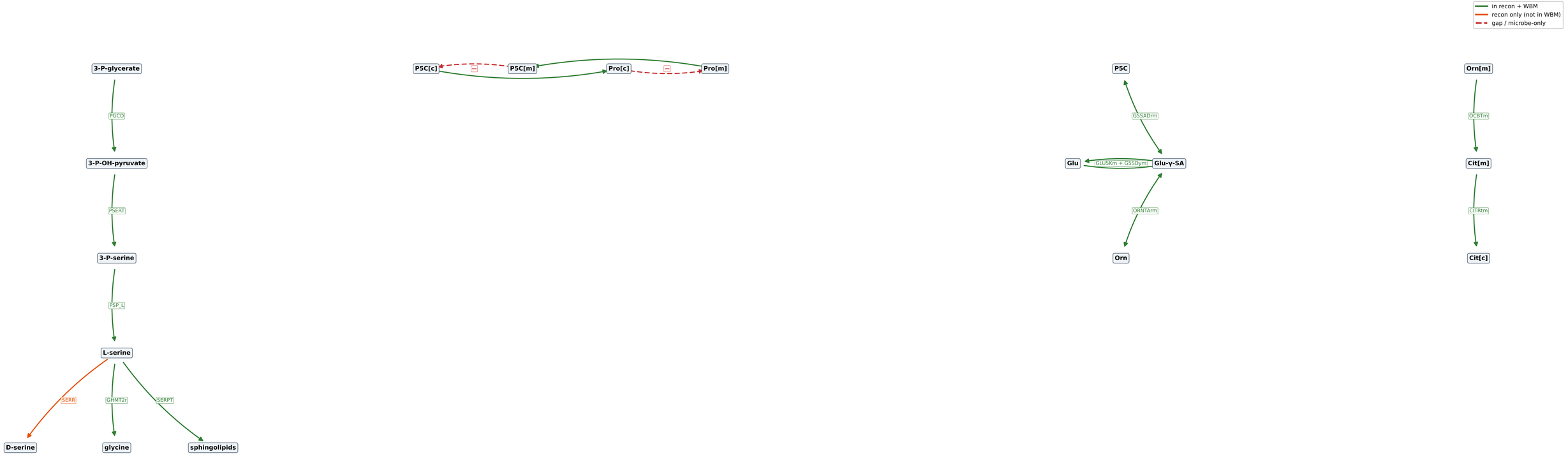
Fig. 23.1 "Tryptophan, hydroxylysine and lysine catabolic pathways" · arrows labelled with reconDBdelta reaction



Chapter 24 — Nonketotic Hyperglycinaemia (Glycine Encephalopathy)
Fig. 24.1 "Pathways of glycine metabolism" · arrows labelled with reconDBdelta reaction

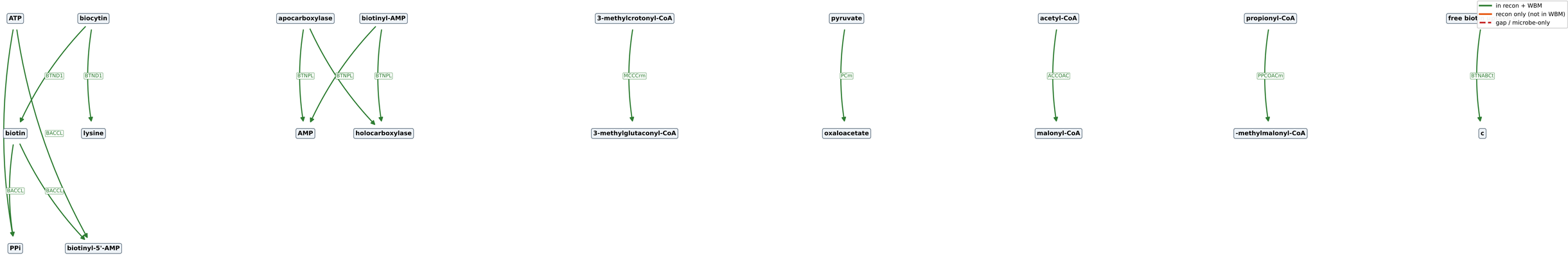


Chapter 25 — Disorders of Proline and Serine Metabolism
· arrows labelled with reconDBdelta reaction

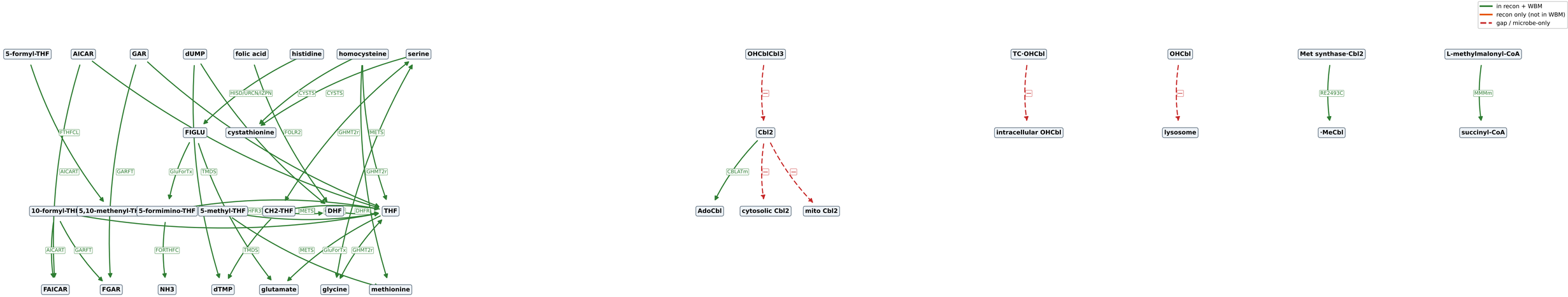


Chapter 26 — Transport Defects of Amino Acids at the Cell Membrane (Cystinuria, LPI, Hartnup)
Fig. 26.1 · arrows labelled with reconDBdelta reaction

Chapter 27 — Biotin-responsive Disorders
· arrows labelled with reconDBdelta reaction



Chapter 28 — Disorders of Cobalamin and Folate Transport and Metabolism
· arrows labelled with reconDBdelta reaction



Chapter 29 — Disorders of Neurotransmission
· arrows labelled with reconDBdelta reaction

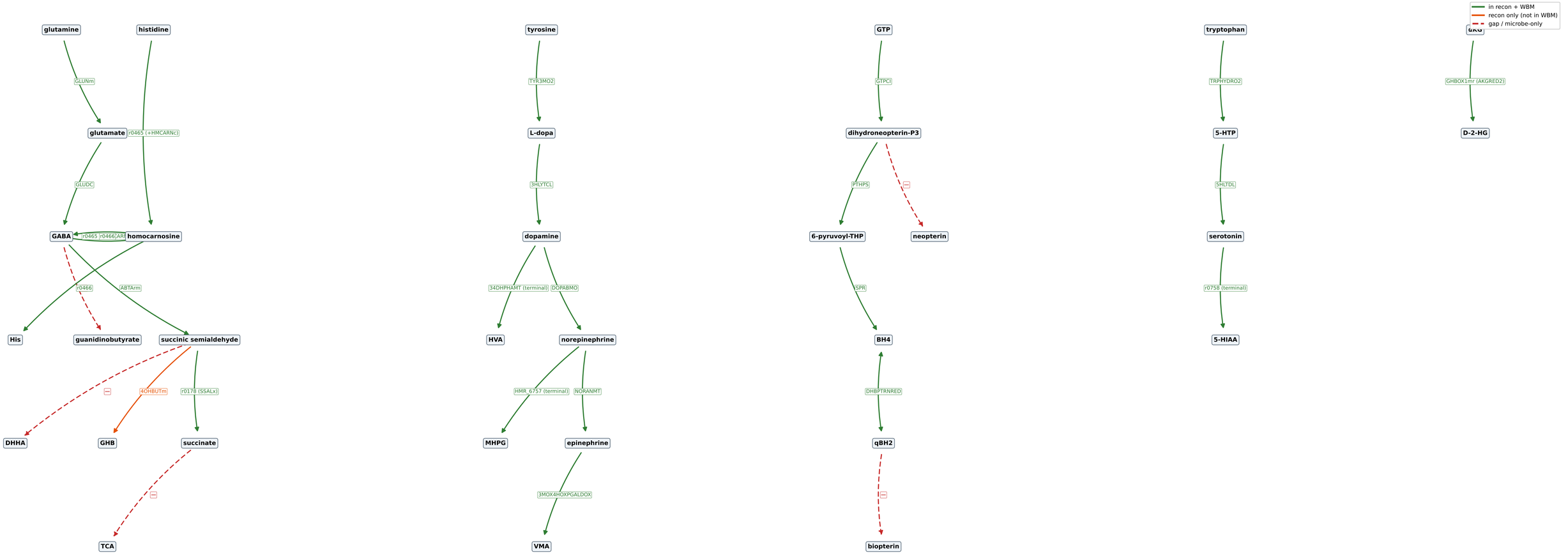
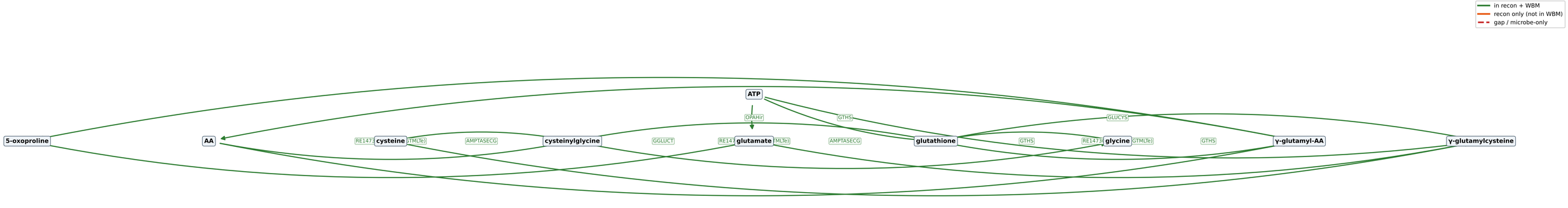
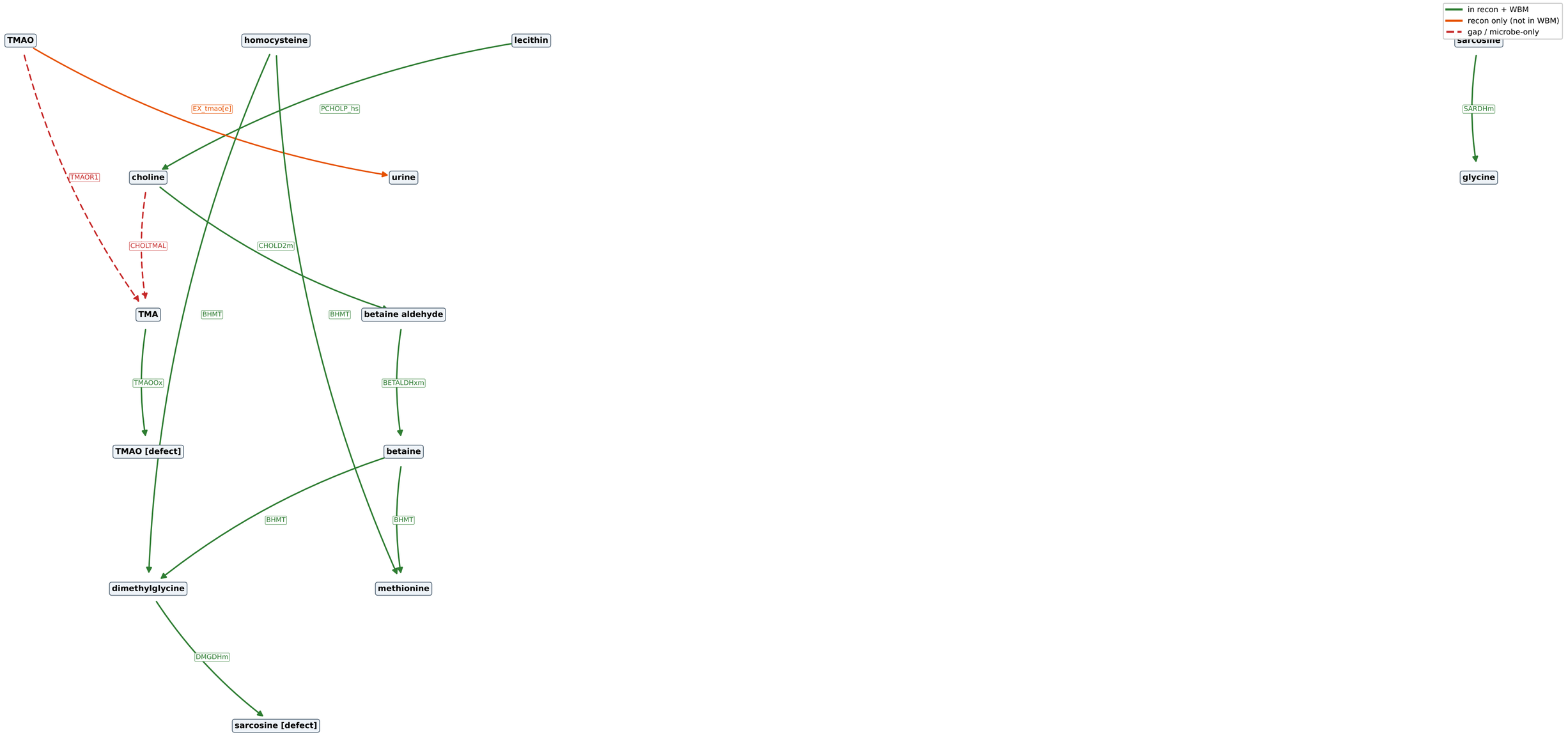


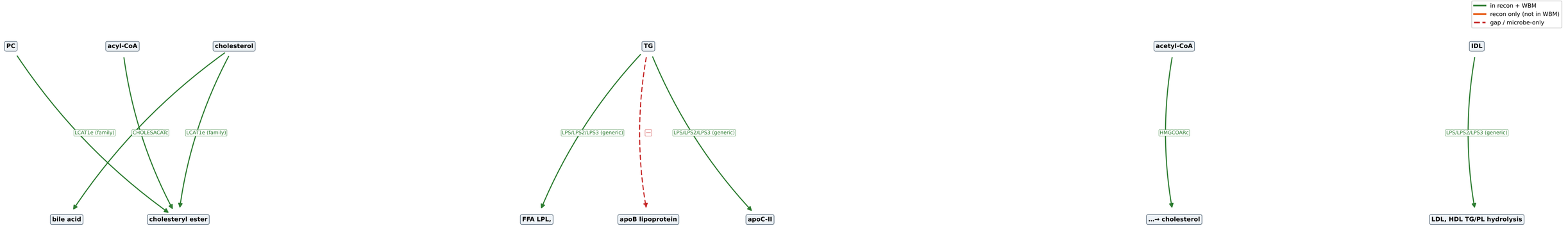
Fig. 30.1 "The γ-glutamyl cycle" · arrows labelled with reconDBdelta reaction



Chapter 31 — Trimethylaminuria and Dimethylglycine Dehydrogenase Deficiency
· arrows labelled with reconDBdelta reaction

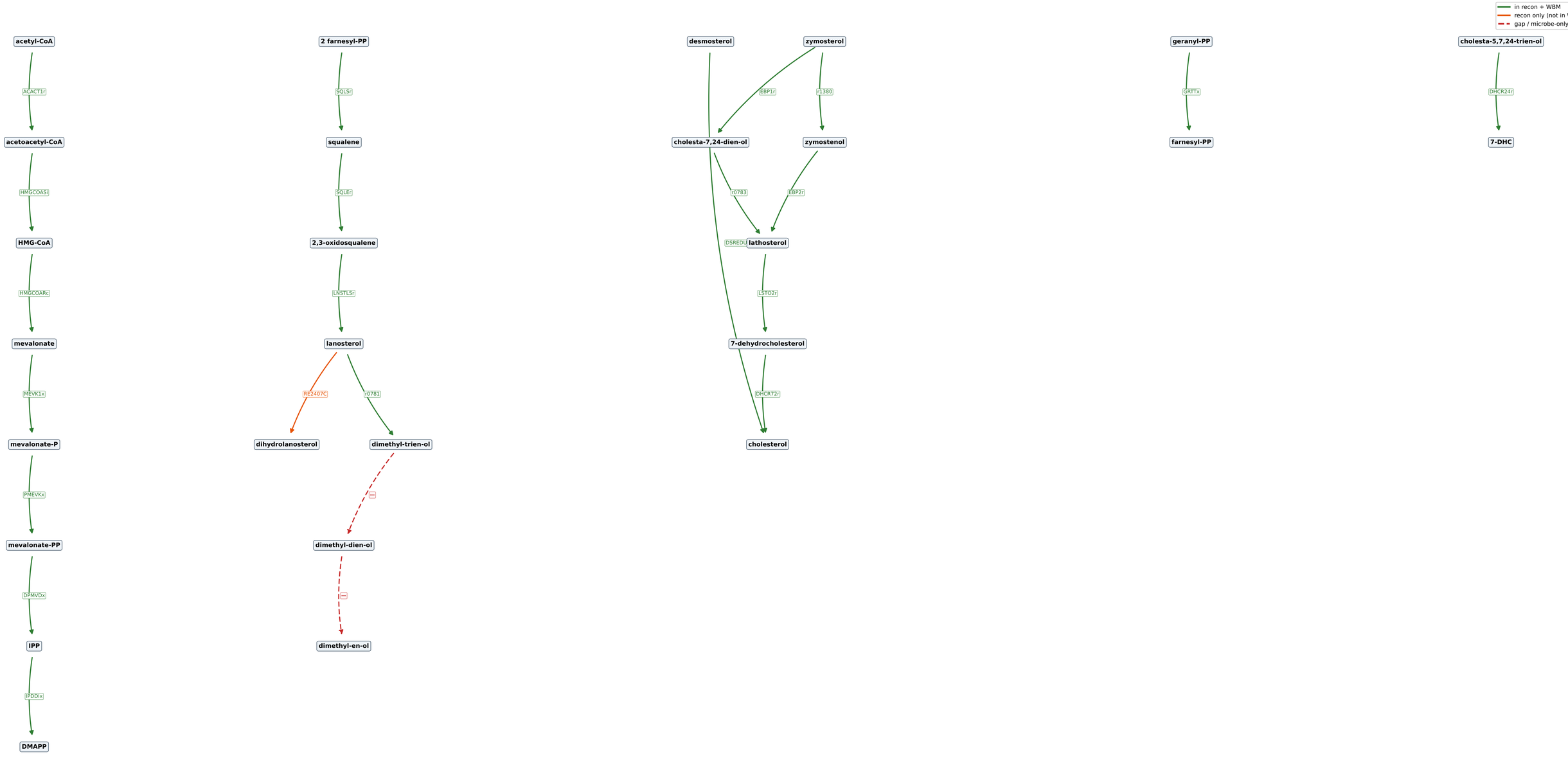


Chapter 32 — Dyslipidaemias
· arrows labelled with reconDBdelta reaction

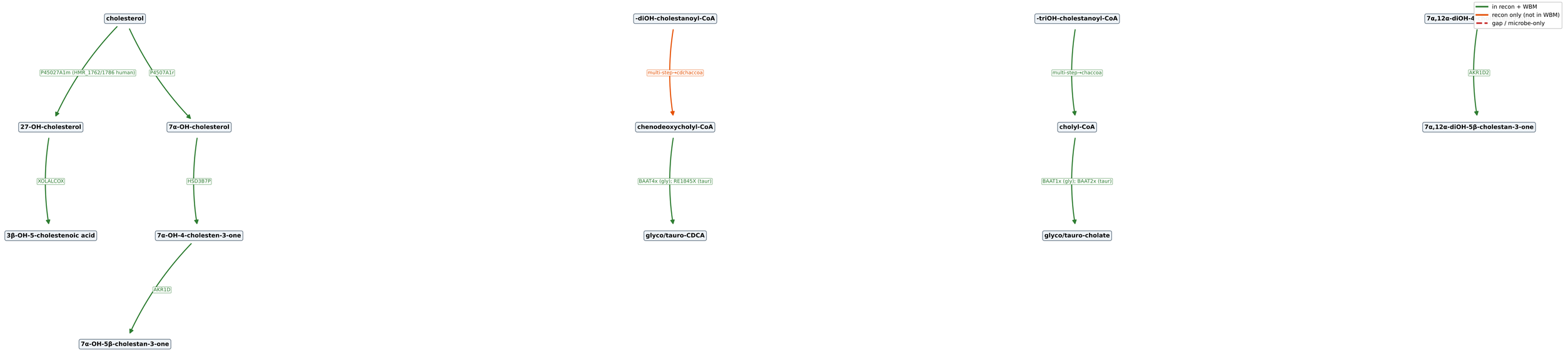


Chapter 33 — Disorders of Cholesterol Synthesis

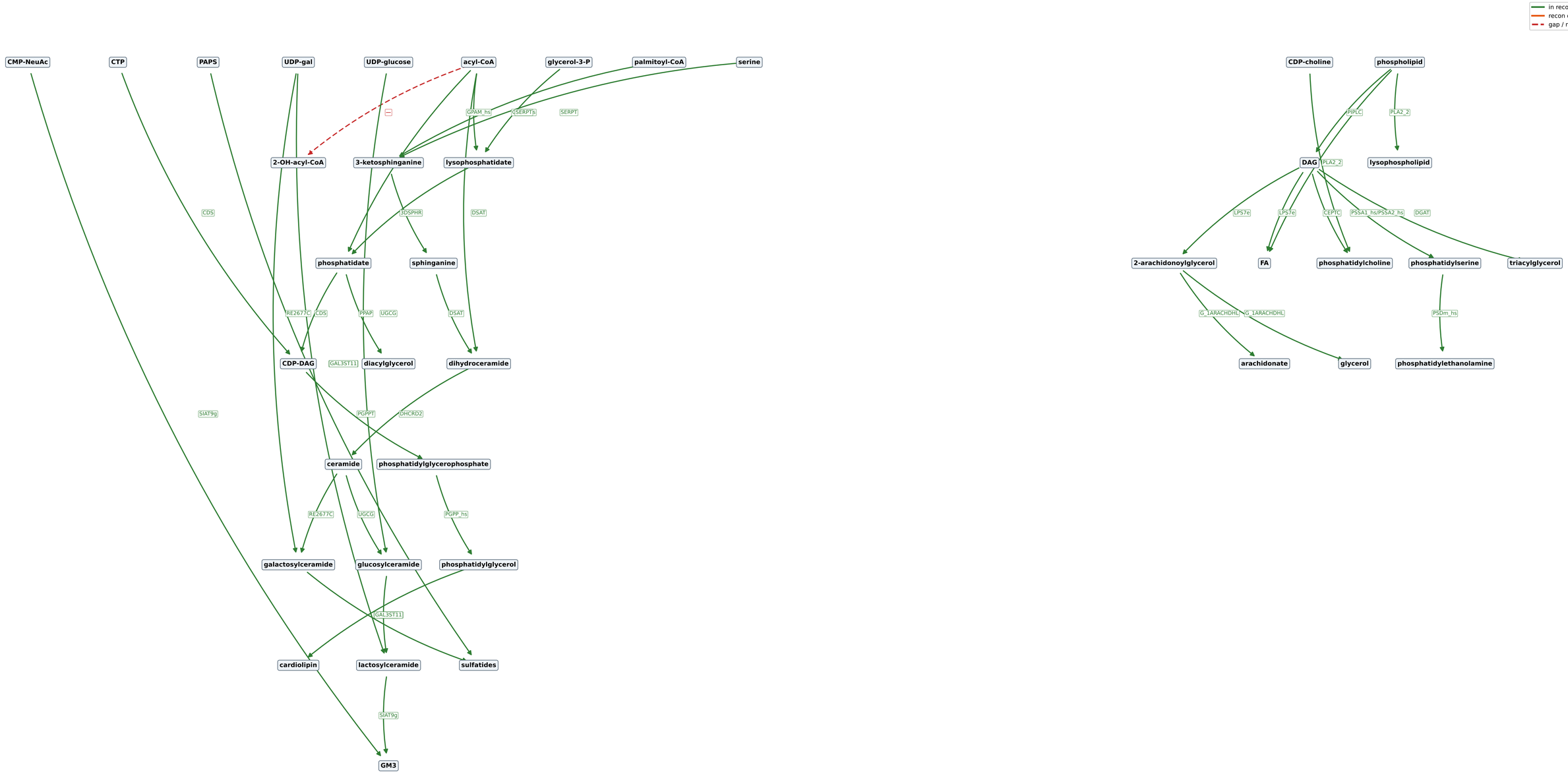
Fig. 33.1 "Pathway of isoprenoid and cholesterol synthesis" · arrows labelled with reconDBdelta reaction



Chapter 34 — Disorders of Bile Acid Synthesis
Fig. 34.1 · arrows labelled with reconDBdelta reaction



Chapter 35 — Disorders of Phospholipid and Glycosphingolipid Synthesis
· arrows labelled with reconDBdelta reaction



Chapter 36 — Disorders of Purine and Pyrimidine Metabolism
· arrows labelled with reconDBdelta reaction

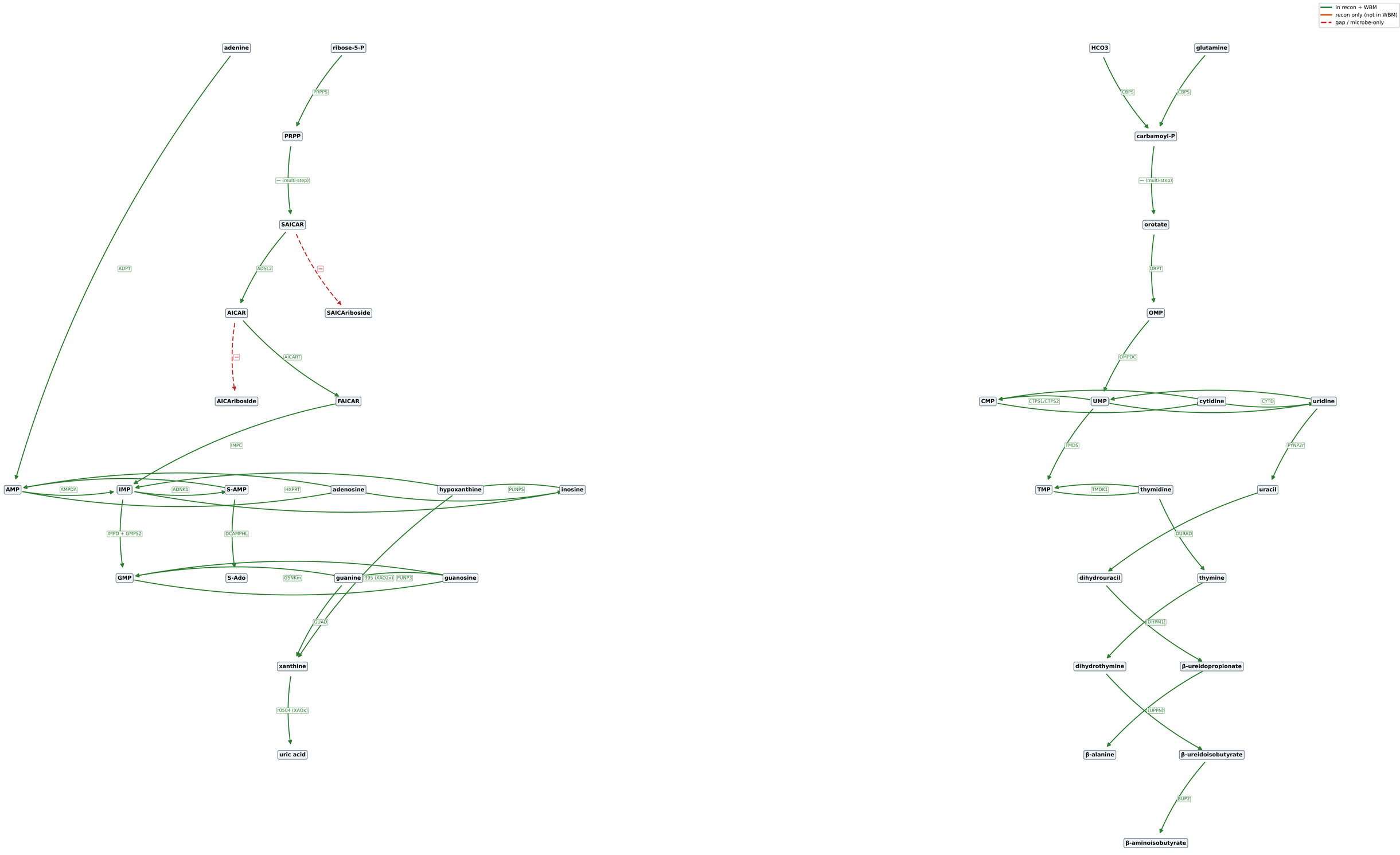
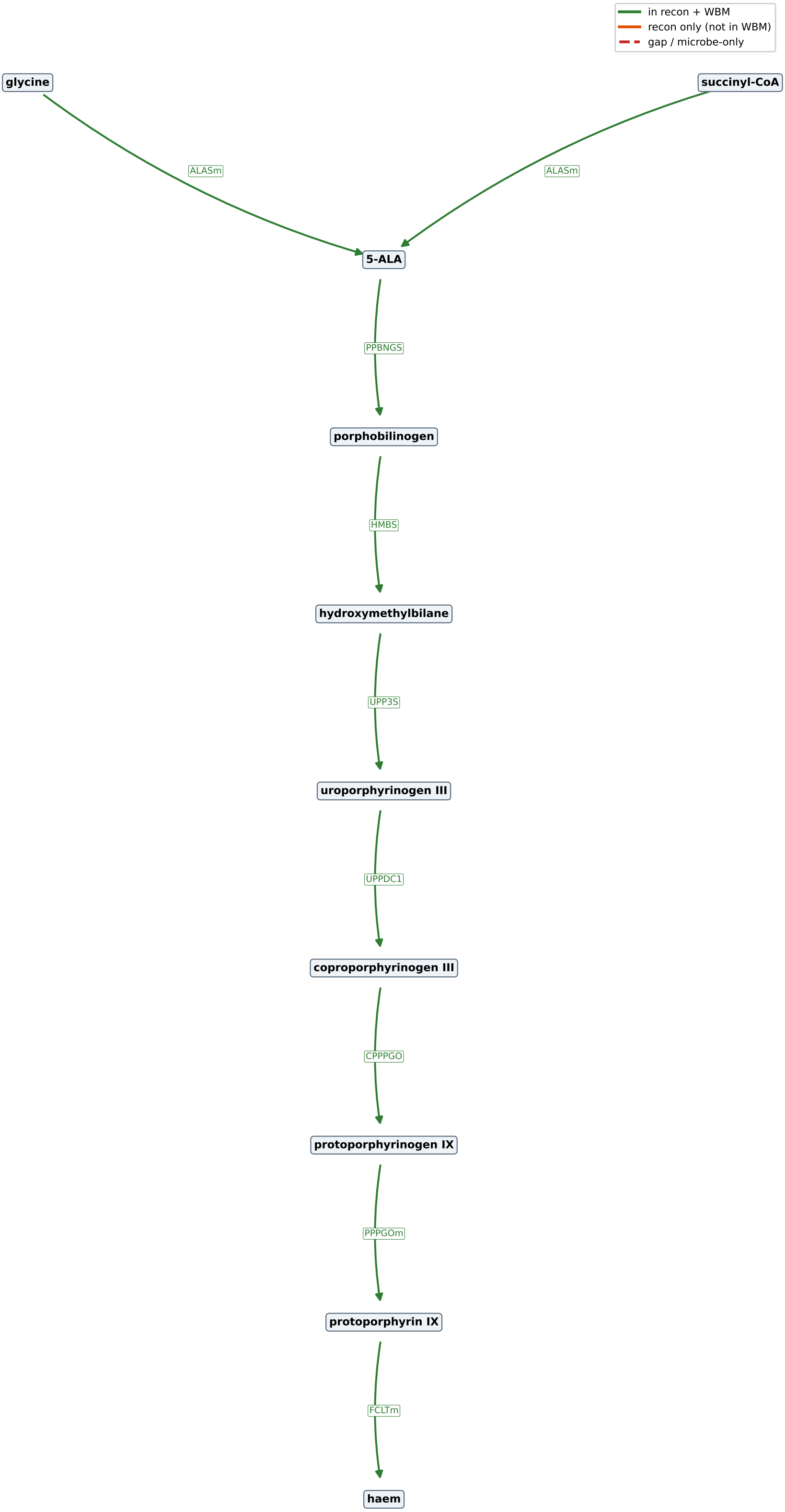
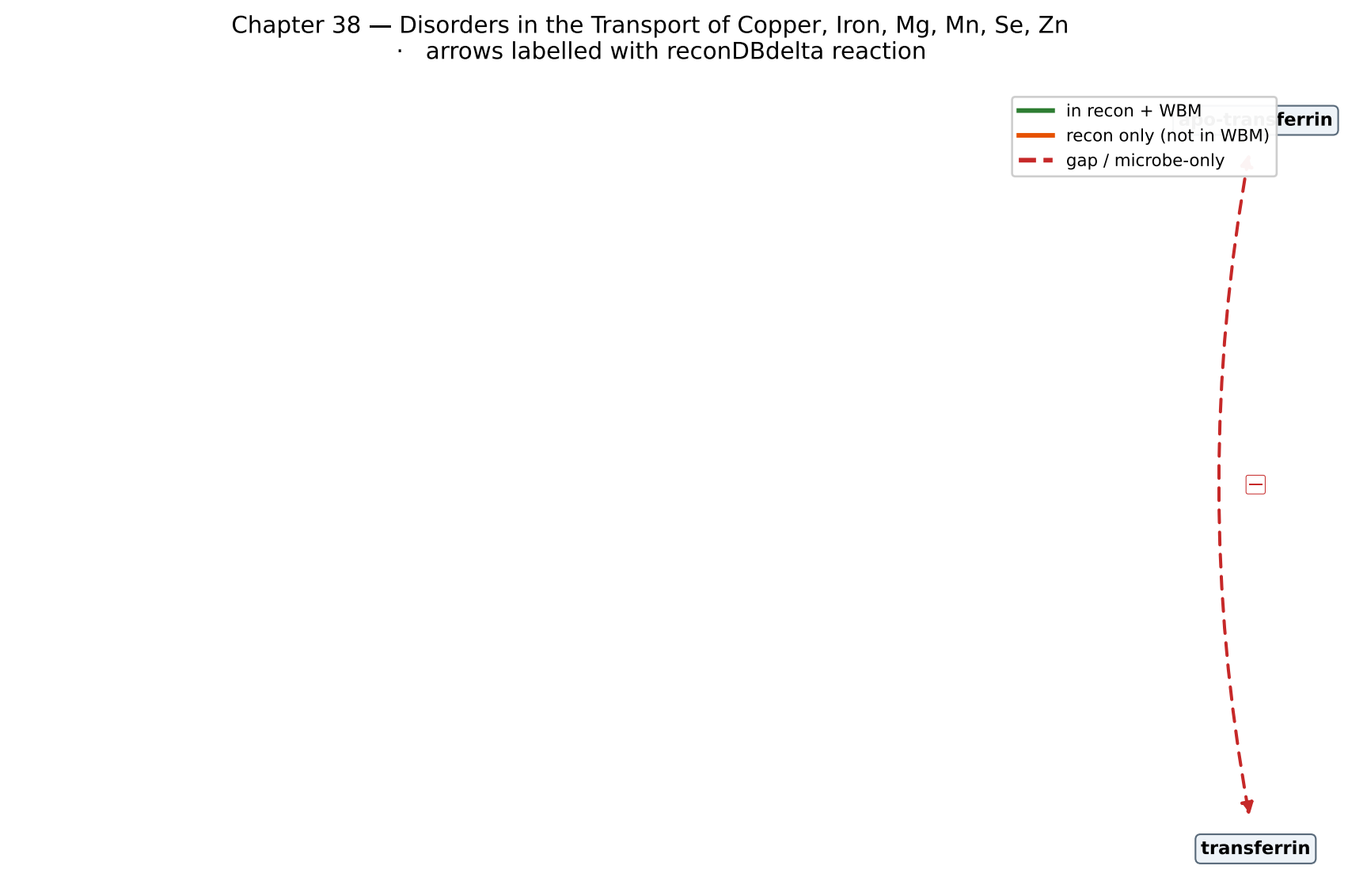


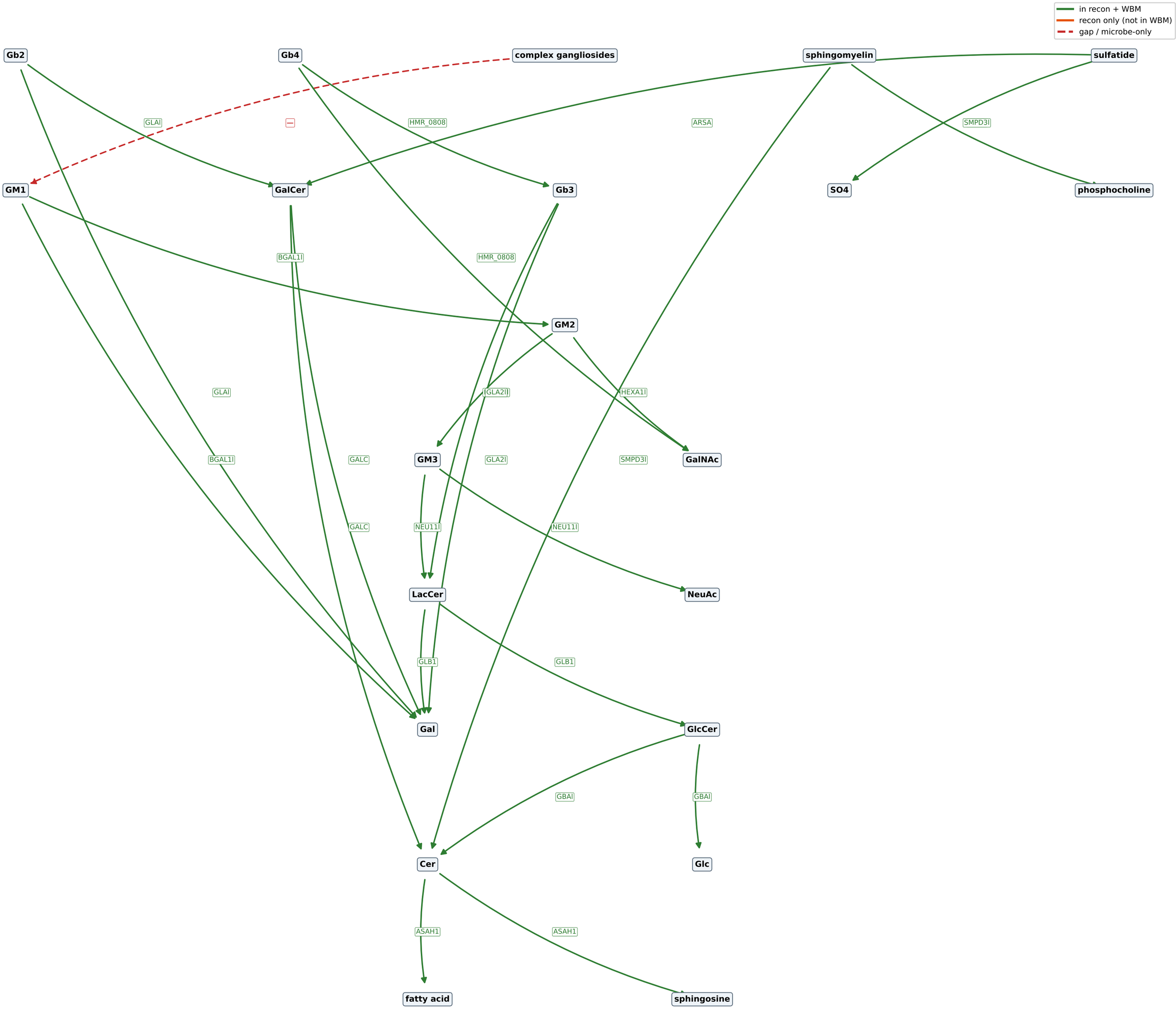
Fig. 37.1 "Pathway of haem biosynthesis" · arrows labelled with reconDBdelta reaction



Chapter 38 — Disorders in the Transport of Copper, Iron, Mg, Mn, Se, Zn
· arrows labelled with reconDBdelta reaction



Chapter 39 — Disorders of Sphingolipid Metabolism and Neuronal Ceroid-Lipofuscinoses
Fig. 39.1 "Sphingolipid structure and degradation" · arrows labelled with reconDBdelta reaction



Chapter 40 — Mucopolysaccharidoses and Oligosaccharidoses
· arrows labelled with reconDBdelta reaction

Fig. 41.1 "Main peroxisomal functions" · arrows labelled with reconDBdelta reaction

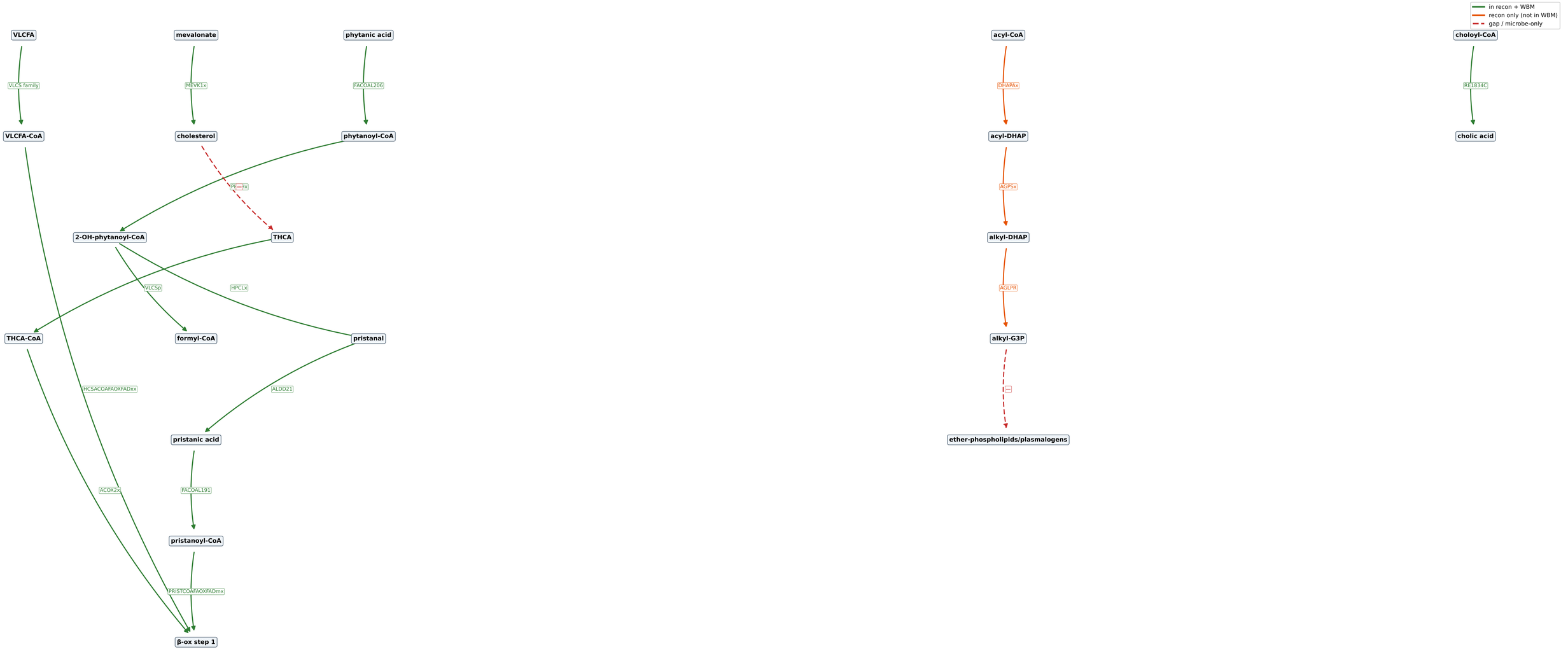
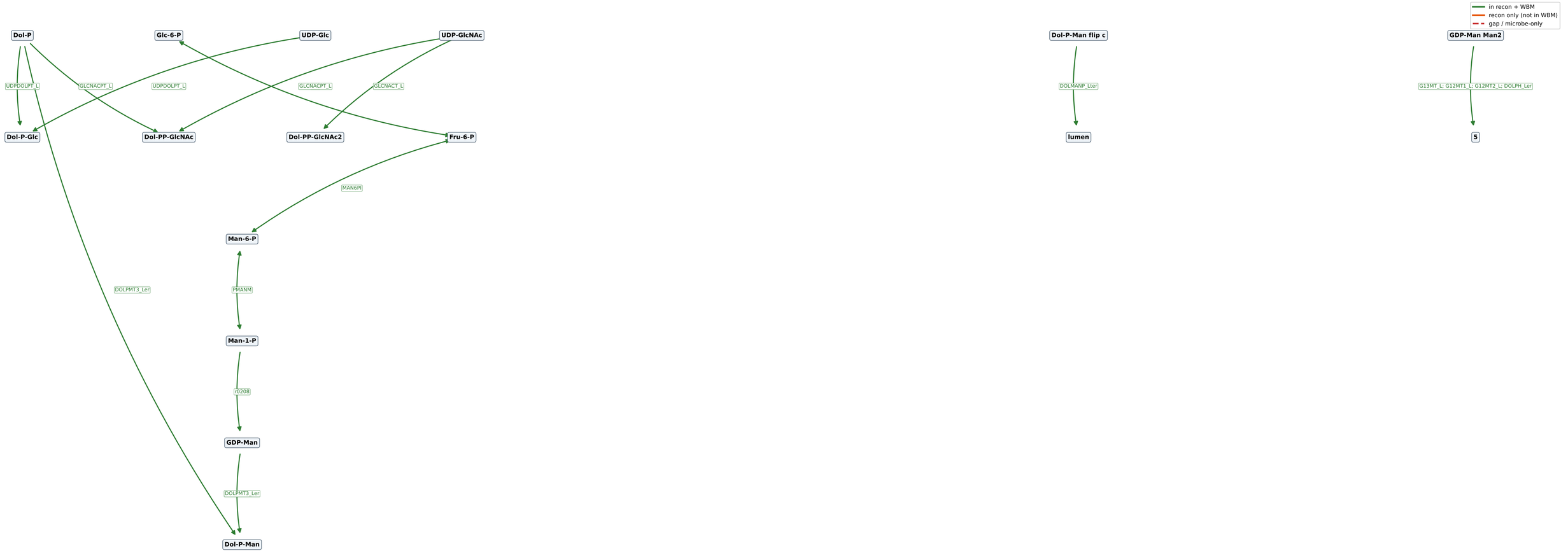
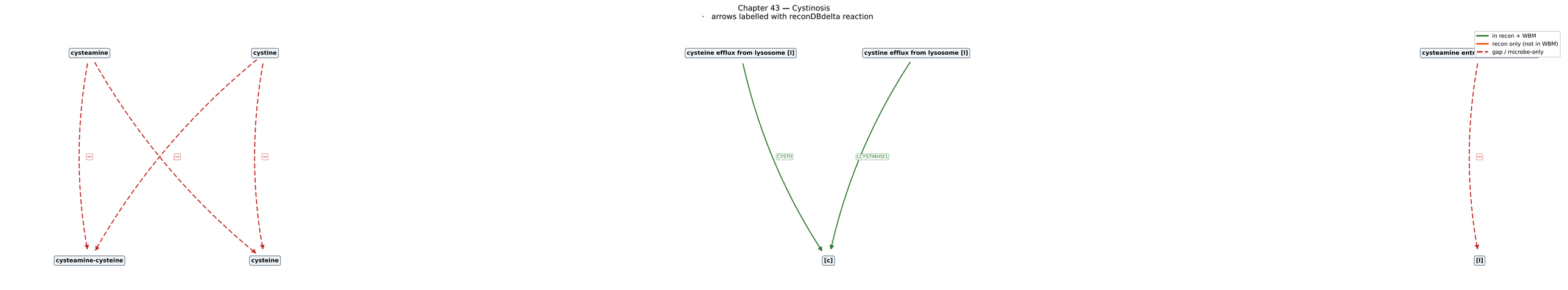


Fig. 42.1 "Synthesis of N-glycans" · arrows labelled with reconDBdelta reaction




Chapter 43 — Cystinosis
· arrows labelled with reconDBdelta reaction
cysteamine
cystine
cysteamine-cysteine
cysteine
cysteine efflux from lysosome [l]
cystine efflux from lysosome [l]
CYSTt
LCYSTINHSt1
[c]
cysteamine entr
[l]
in recon + WBM
recon only (not in WBM)
gap / microbe-only