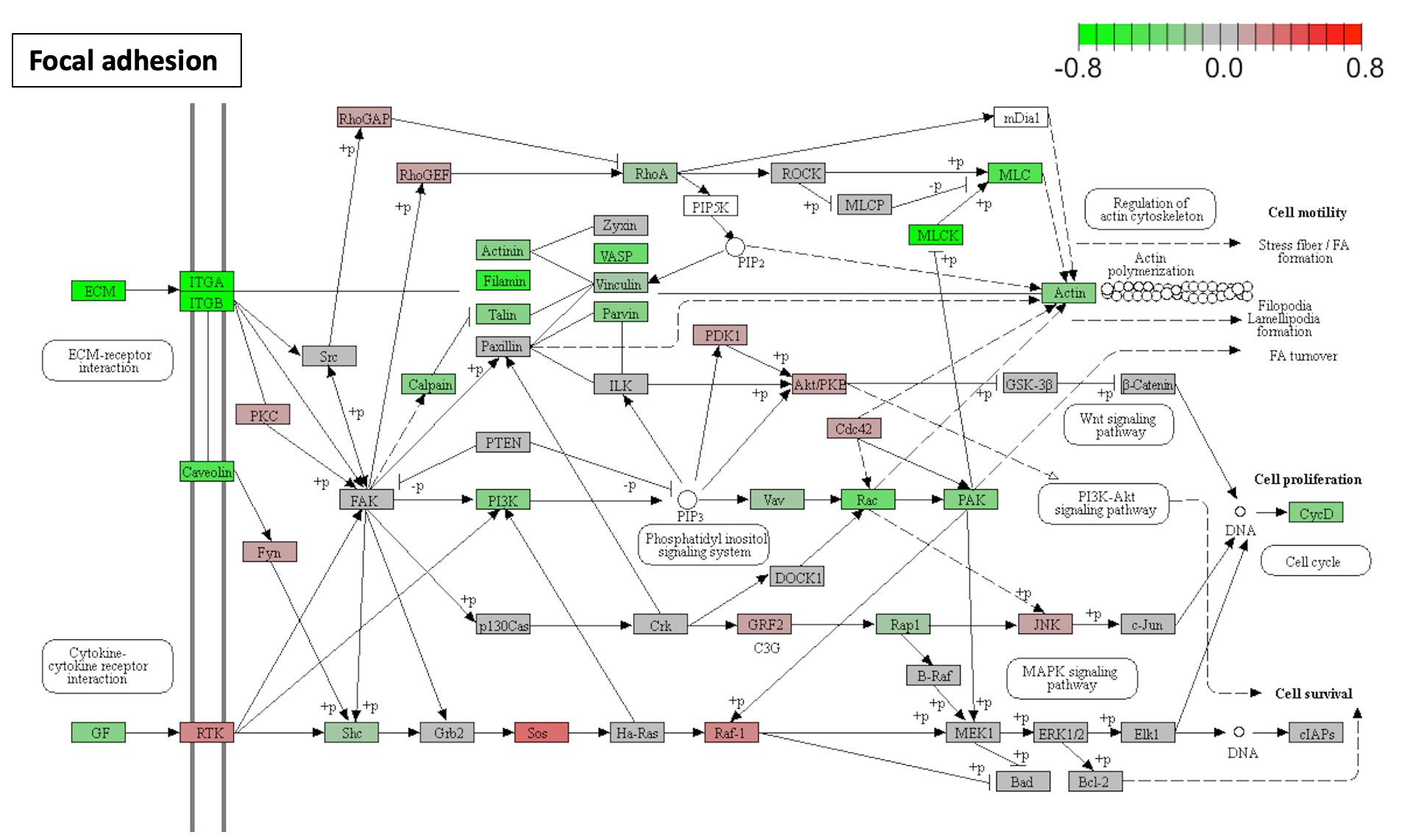
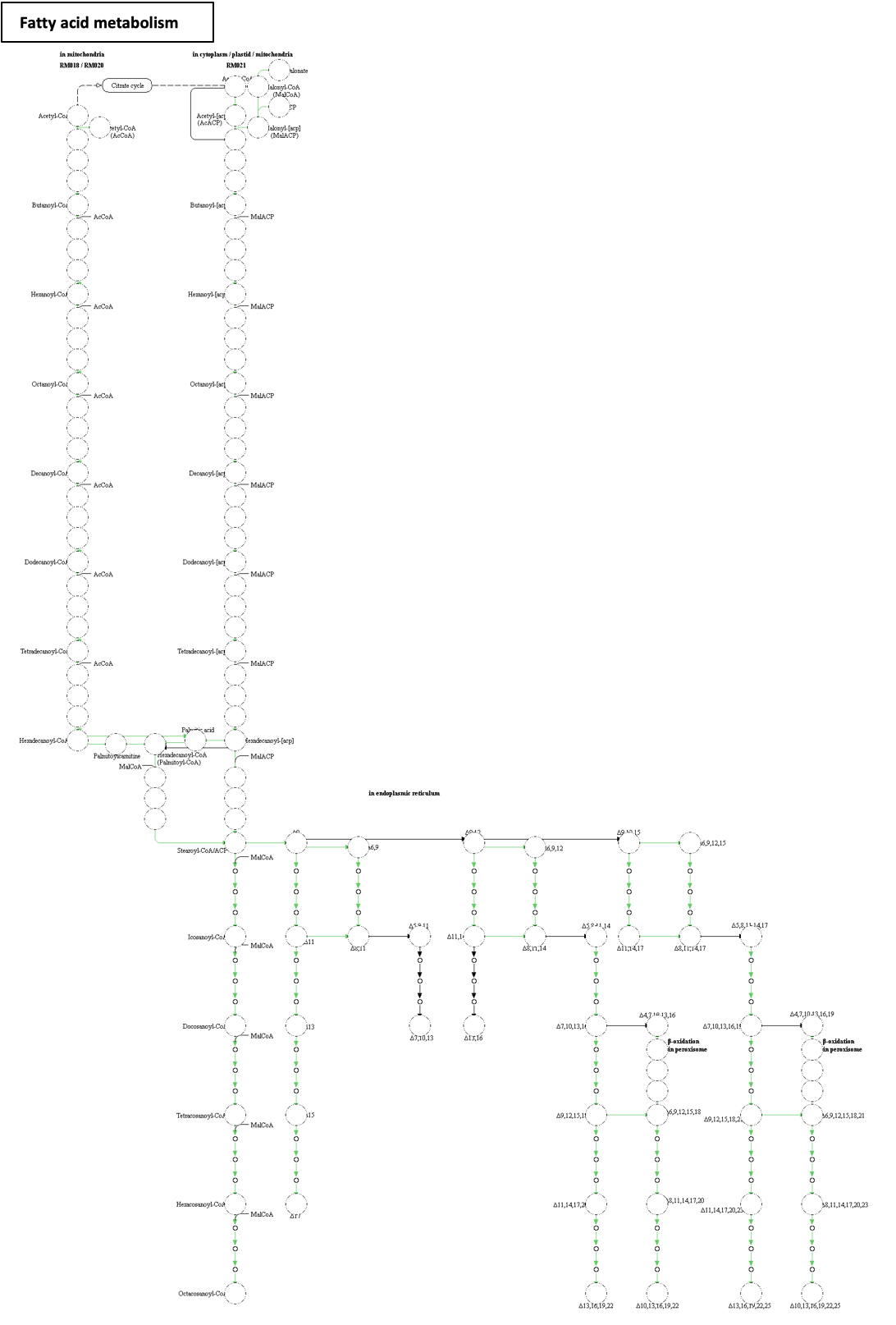
**Supplementary data 3: KEGG pathway diagrams**

Ten significantly-changed KEGG pathways were identified by GSEA. The KEGG diagrams of *DNA replication, cell cycle, ECM receptor interaction* and *oxidative phosphorylation* are shown in the main paper. The diagrams of the other 6 significantly changed KEGG pathways are listed below. Intensity of colour in diagrams represents gene log2FC ranging from -0.8 to 0.8 with downregulation in green and upregulation in red.

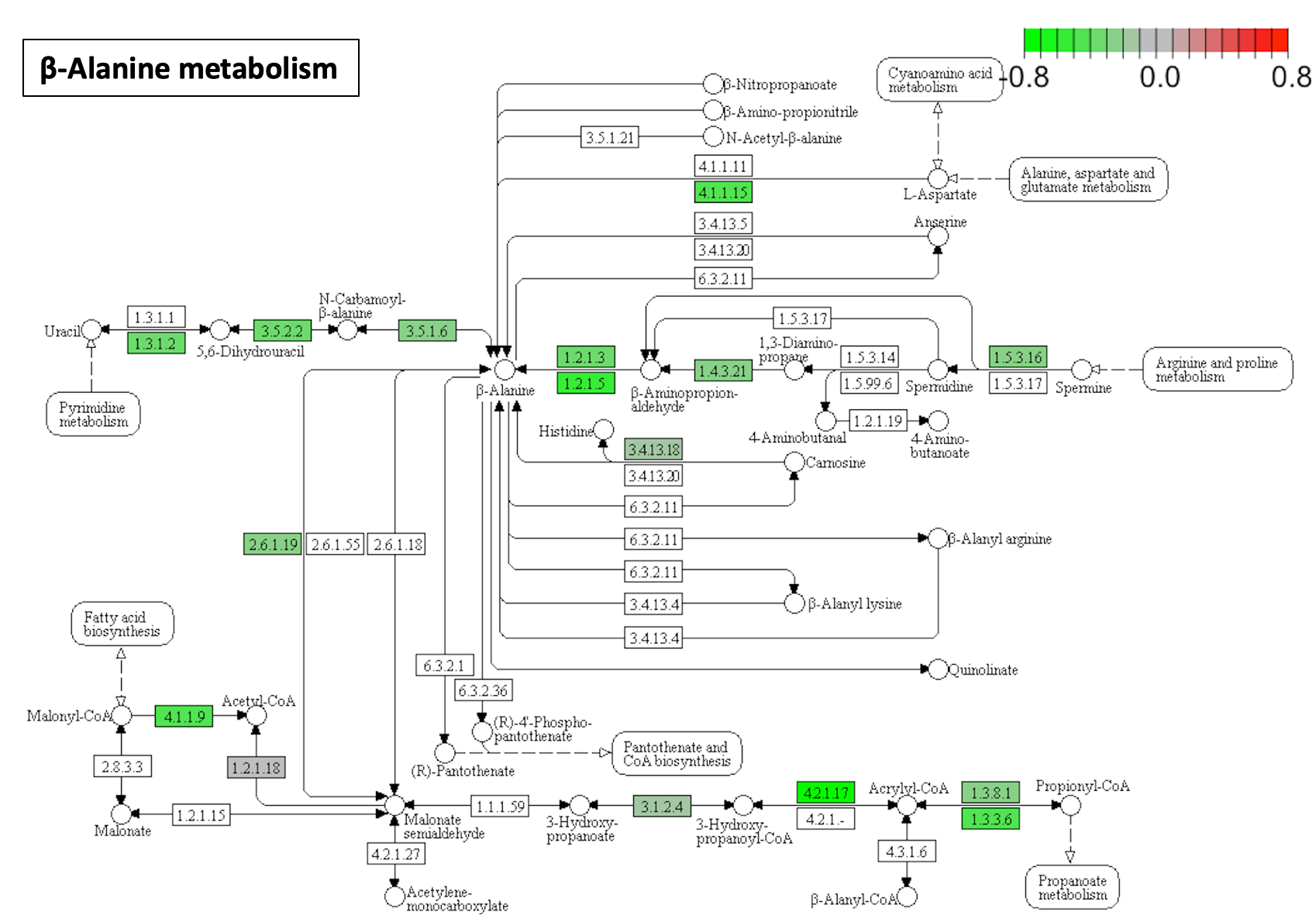
**Focal adhesion**

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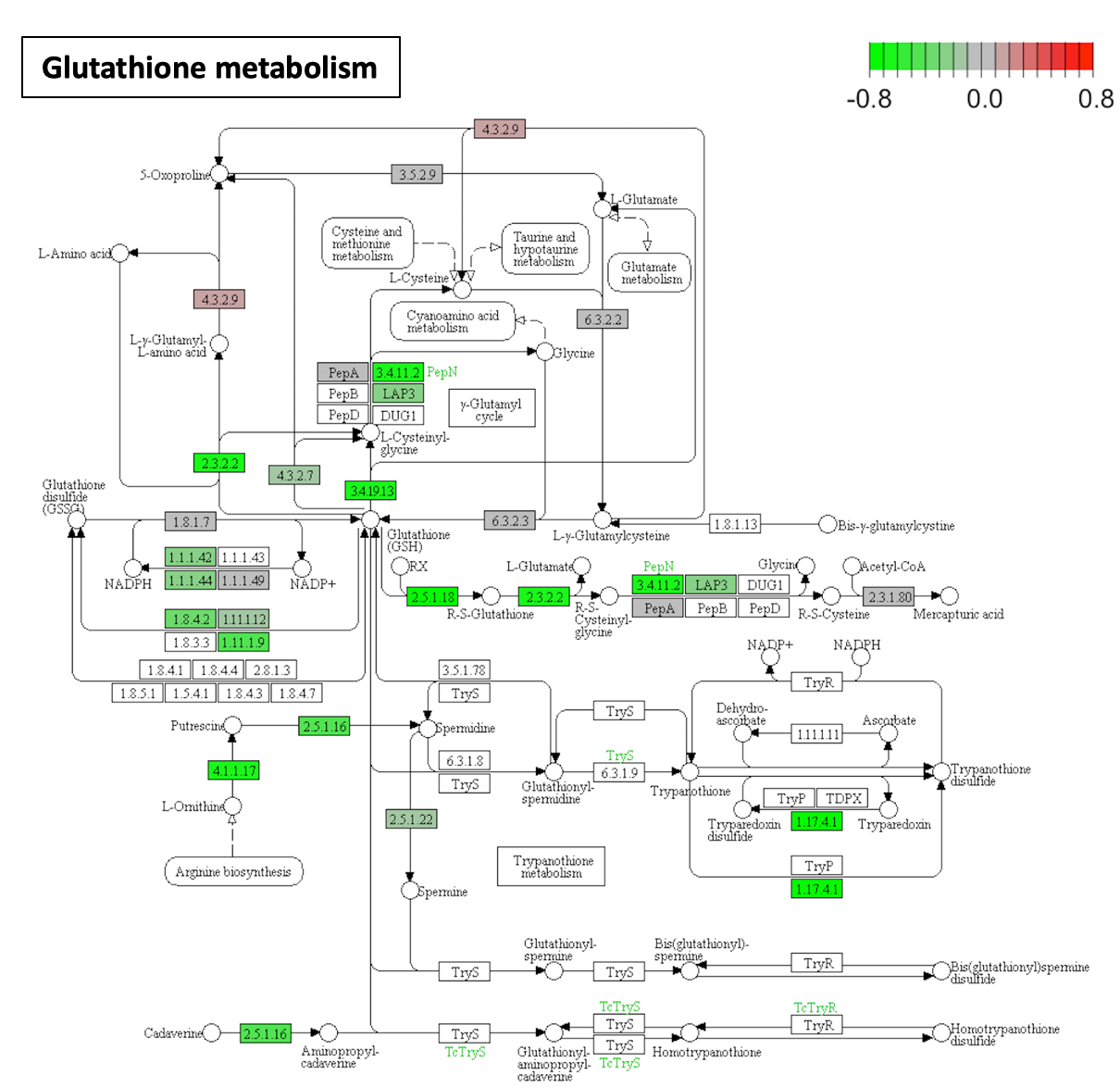
**Fatty acid metabolism**

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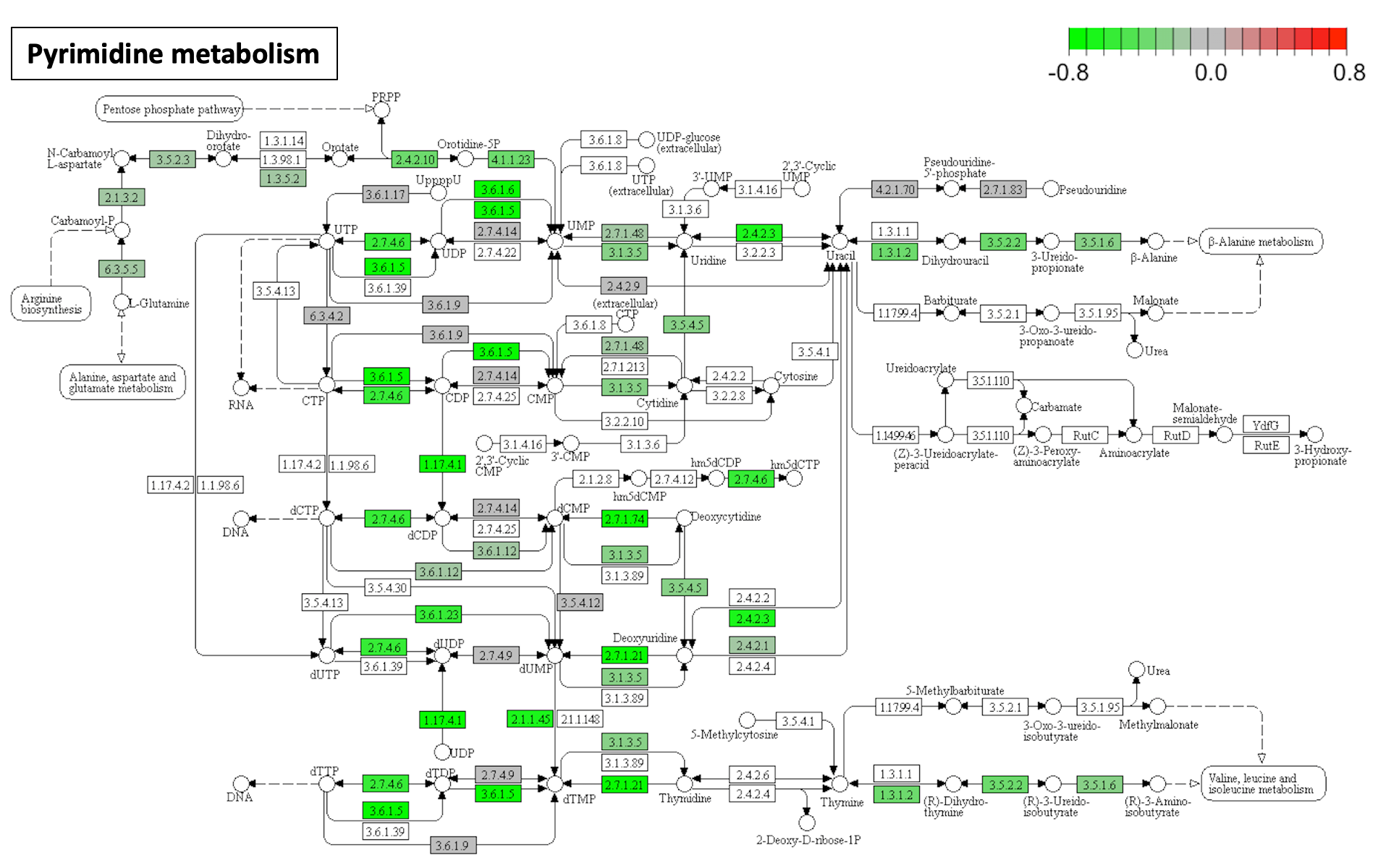
**Beta-Alanine metabolism**

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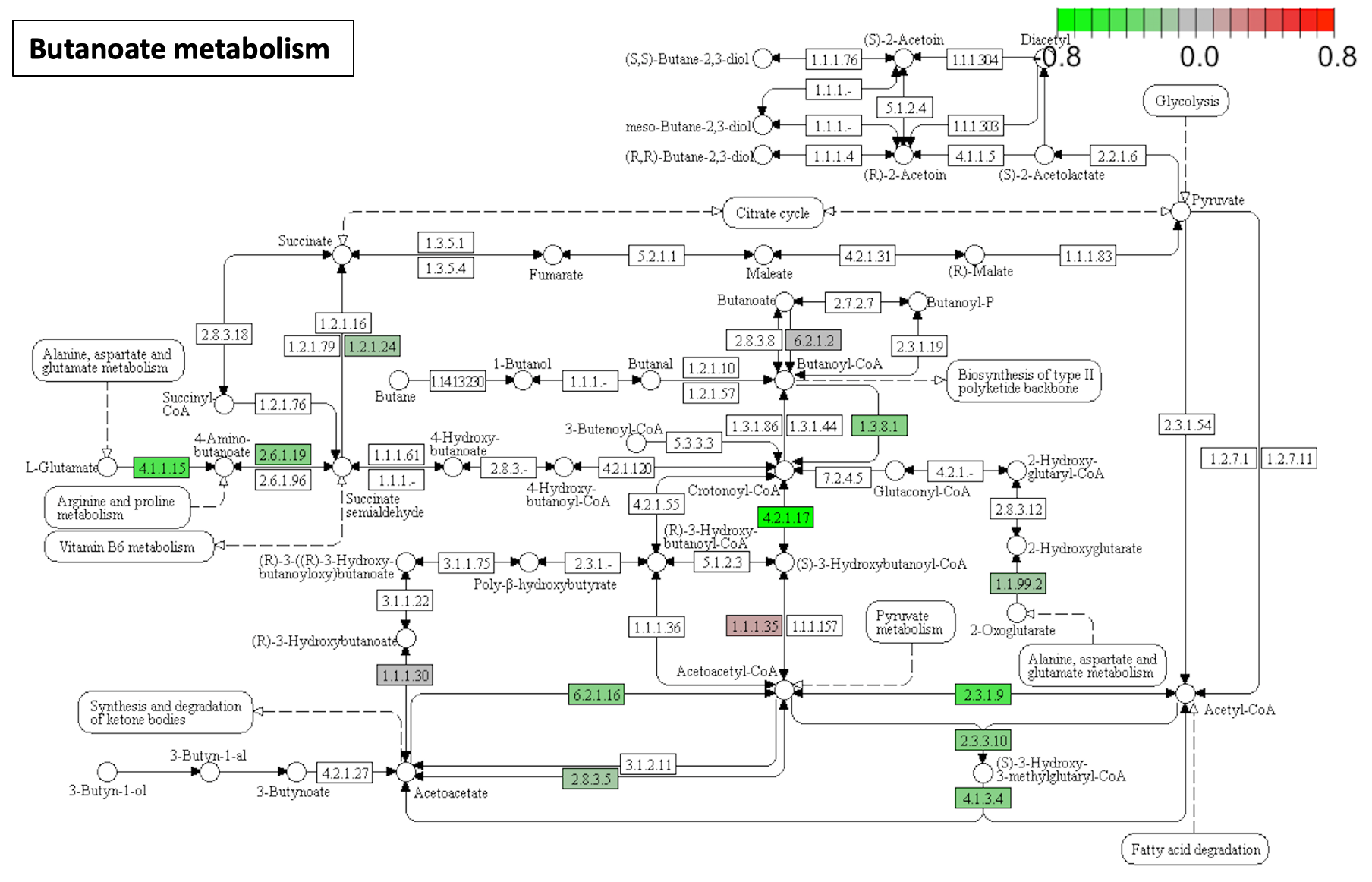
**Glutathione metabolism**

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**Pyrimidine metabolism**

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**Butanoate metabolism**

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