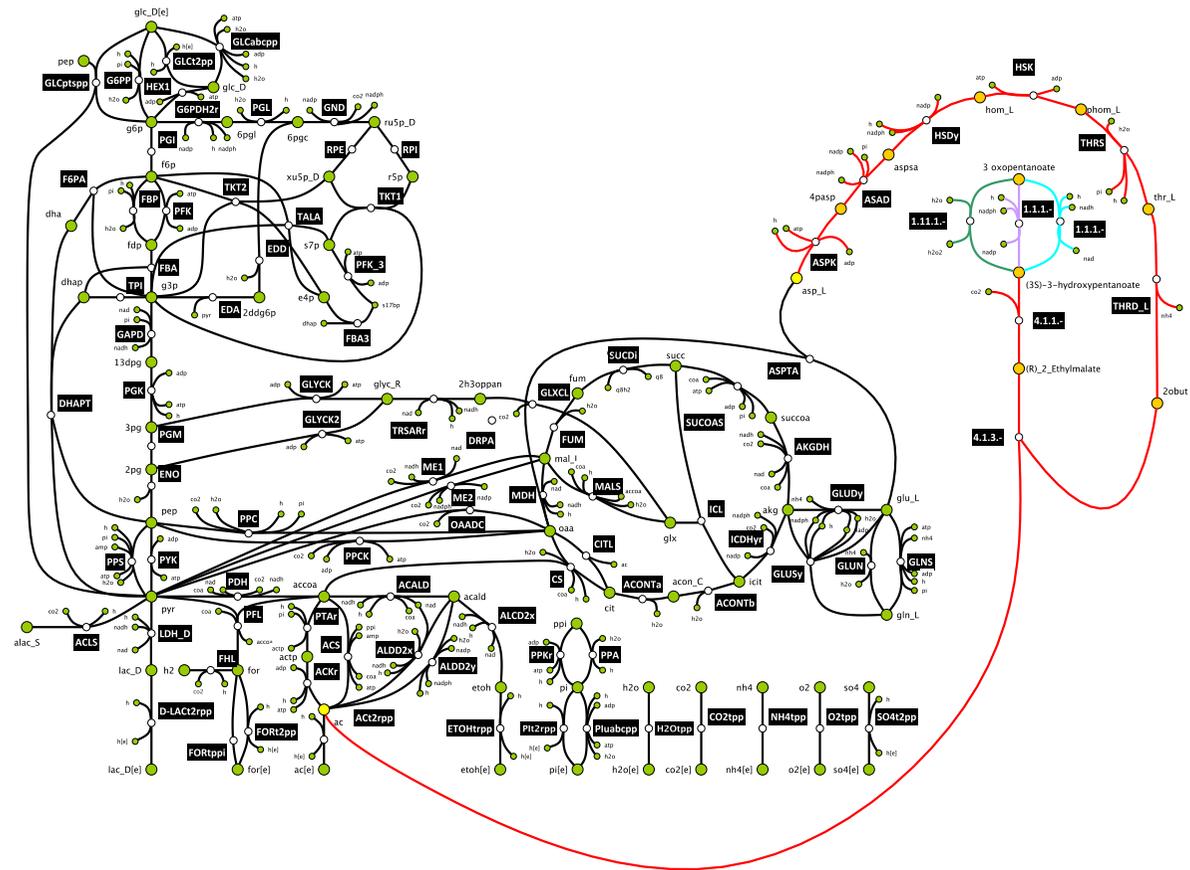
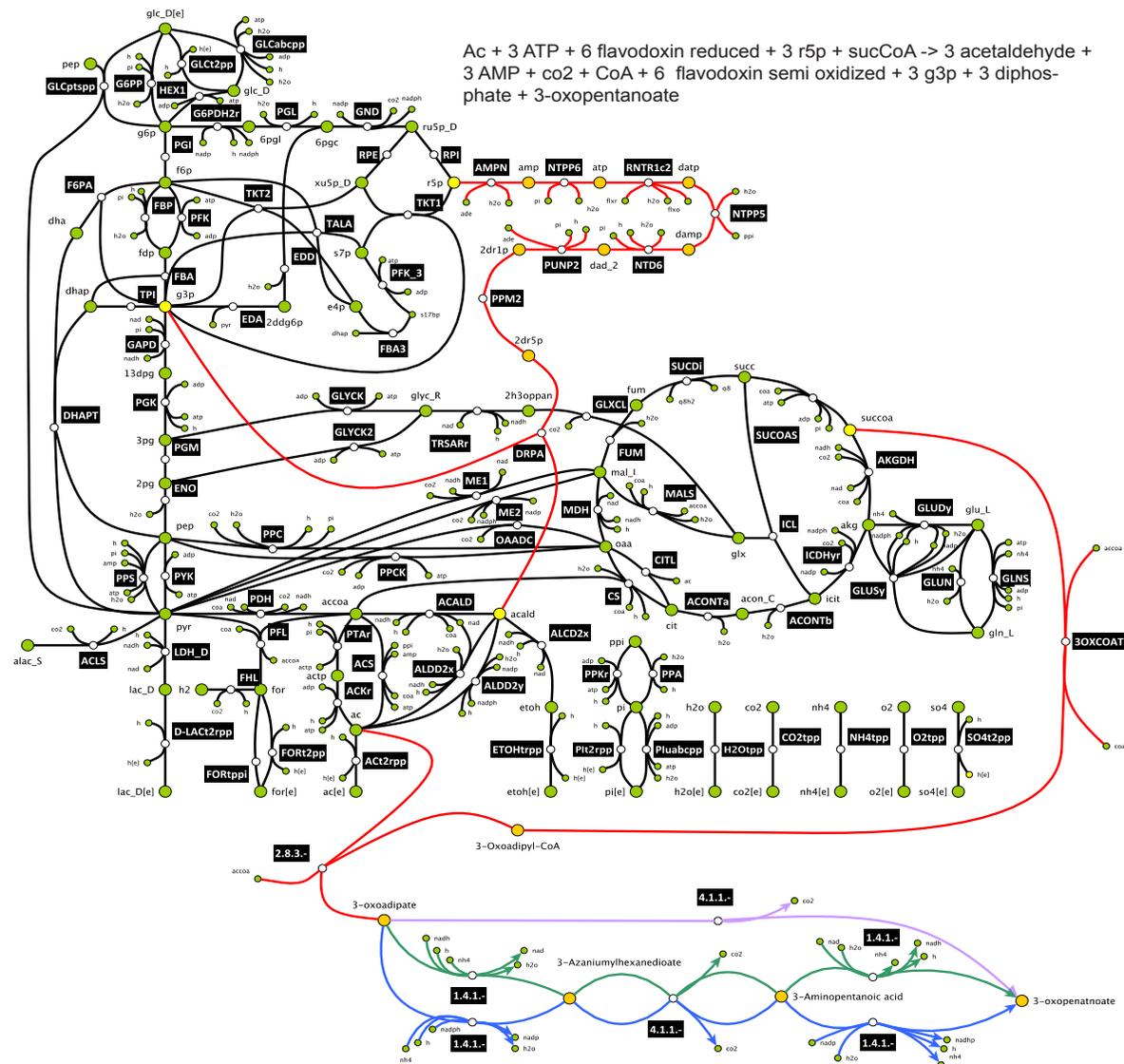


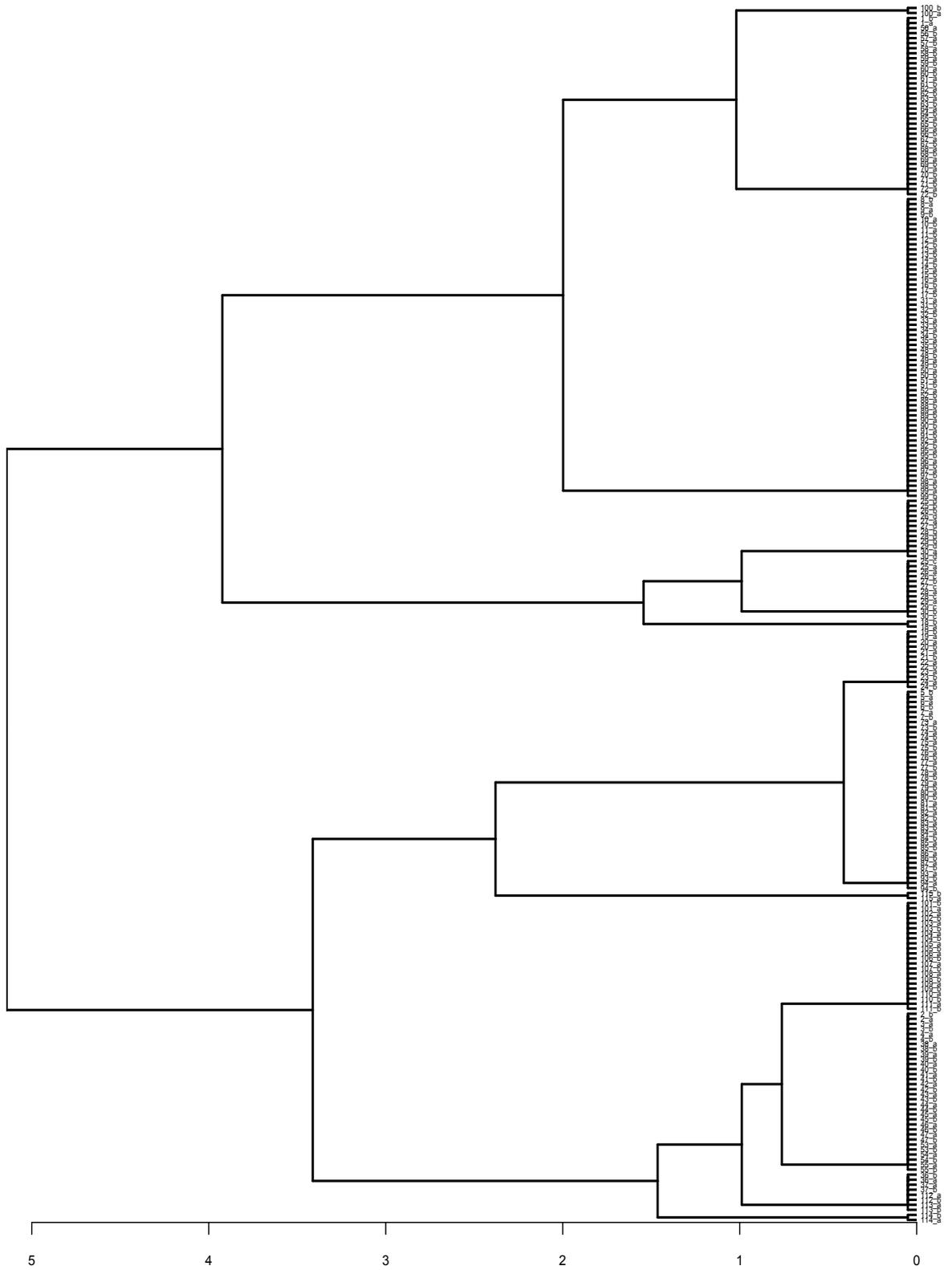
Supporting figures



F1: Three alternative ways to produce 3OXPNT from acetate through 2 intermediate metabolites: 2-ethylmalate and 3-hydroxypentanoate.



F2: Three different pathways from acetate to 3OXPNNT sharing the same lumped reaction.



F3: Clustering of all 242 alternatives for production of 3-oxopentanoate from acetate.