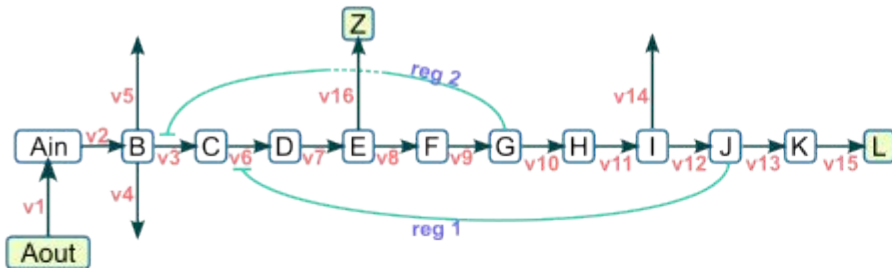
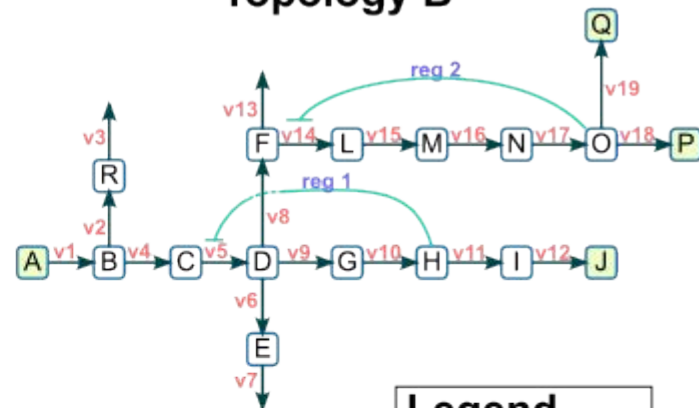


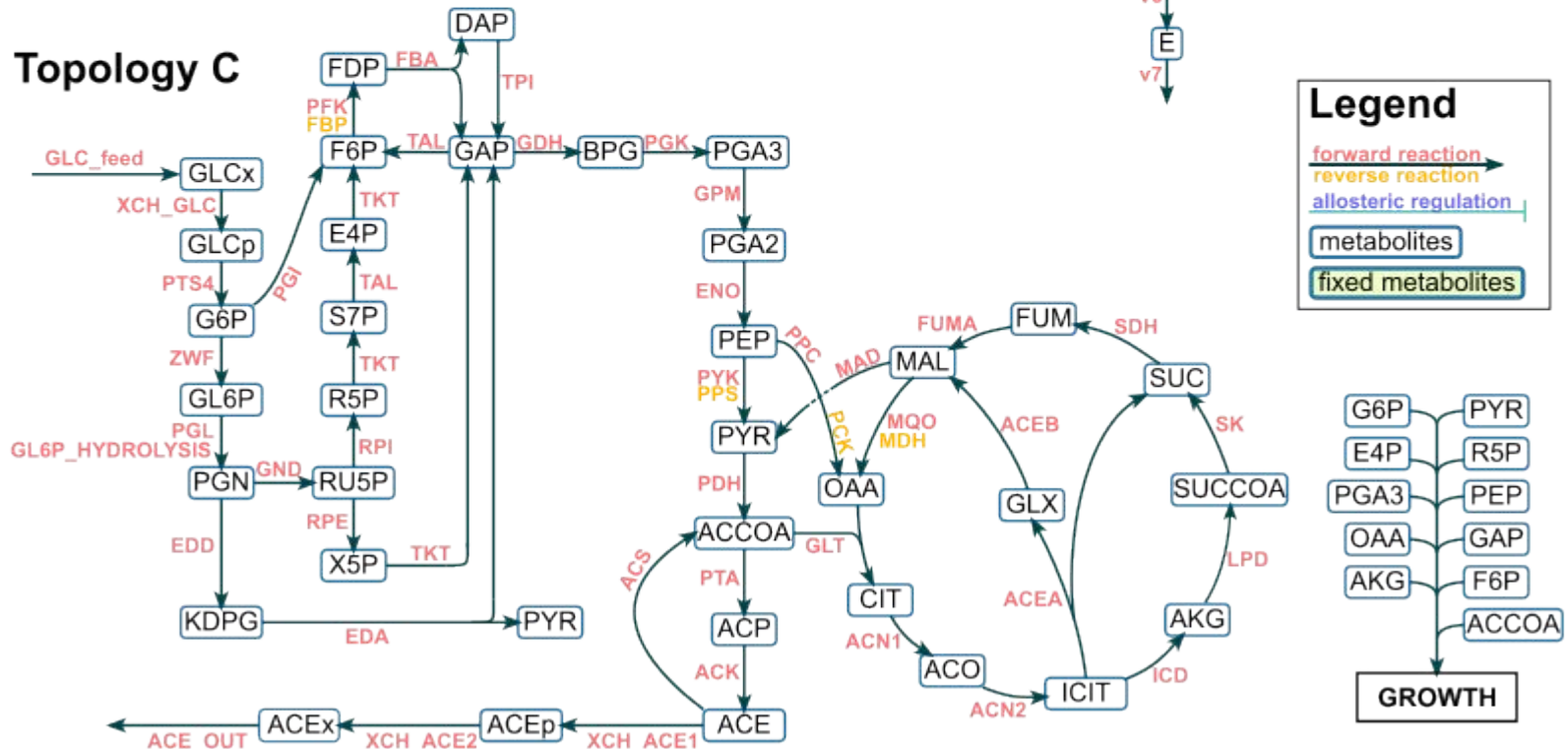
## Topology A



## Topology B



## Topology C



## Legend

forward reaction  
reverse reaction  
allosteric regulation

metabolites  
fixed metabolites