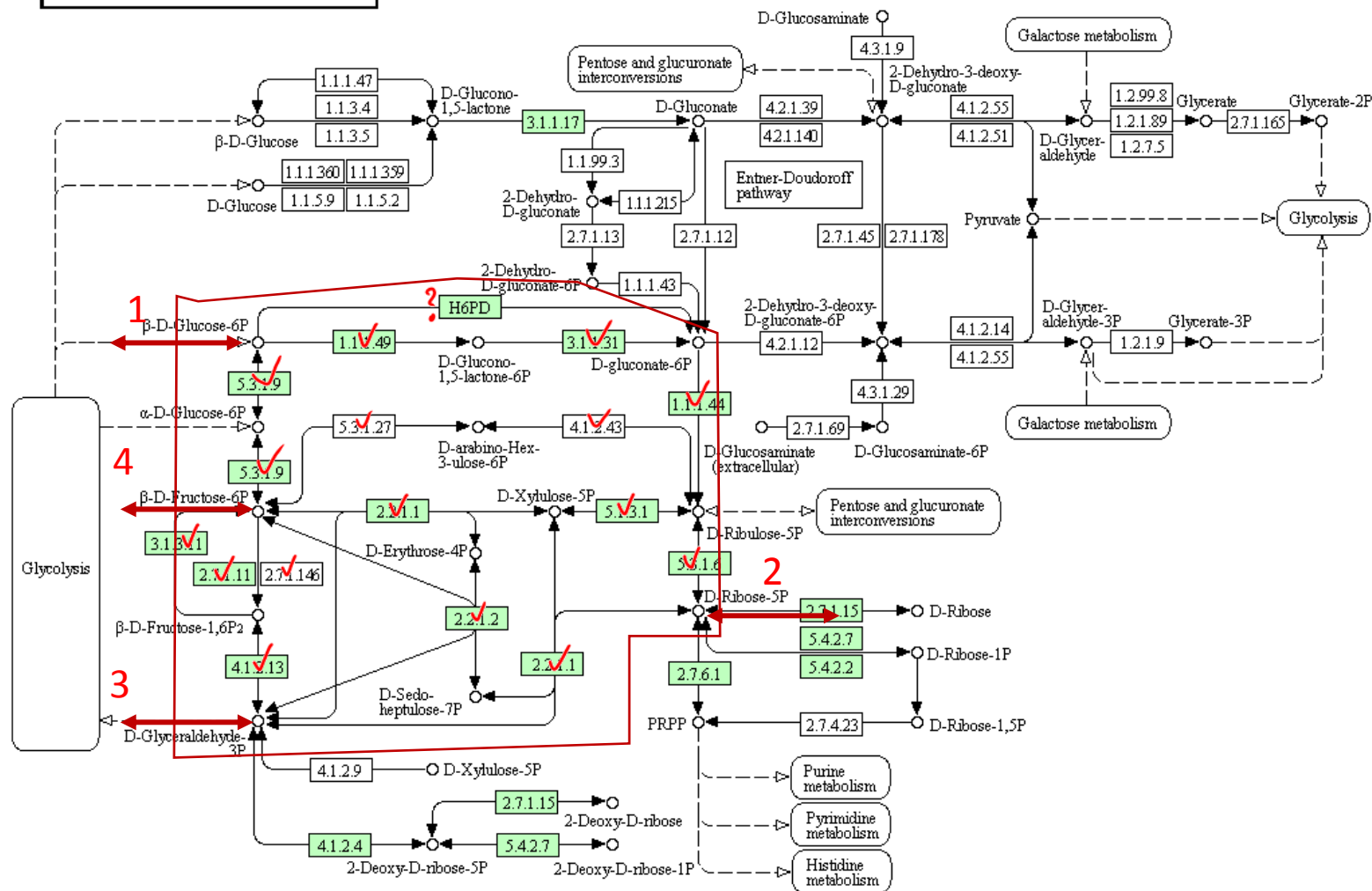


PENTOSE PHOSPHATE PATHWAY



http://www.genome.jp/kegg-bin/show_pathway?org_name=hsa&mapno=00030&mapscale=&show_description=hide

For the reactions in the pentose phosphate pathway here above:

1. Write the stoichiometric matrix for the network
2. Draw a pathway map for the network
3. Draw primary metabolite connectivity maps
4. Write the mass balance equations for primary metabolites

Only consider the reactions in the red box

Assume that flow of carbon (flux) in/out of the network can only take place through the reactions labeled 1-4