

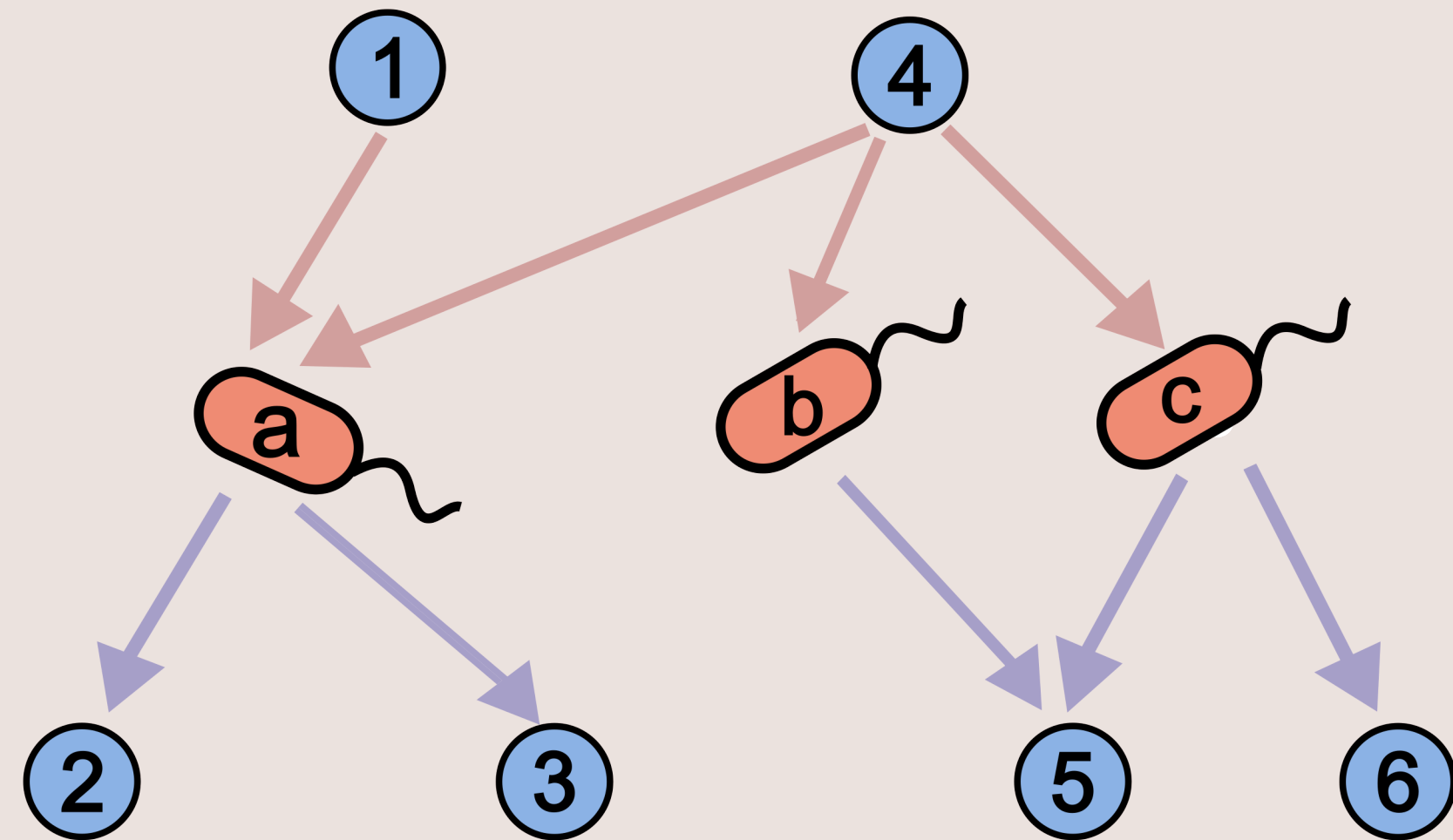
original network

a

nutrients

consumption
links

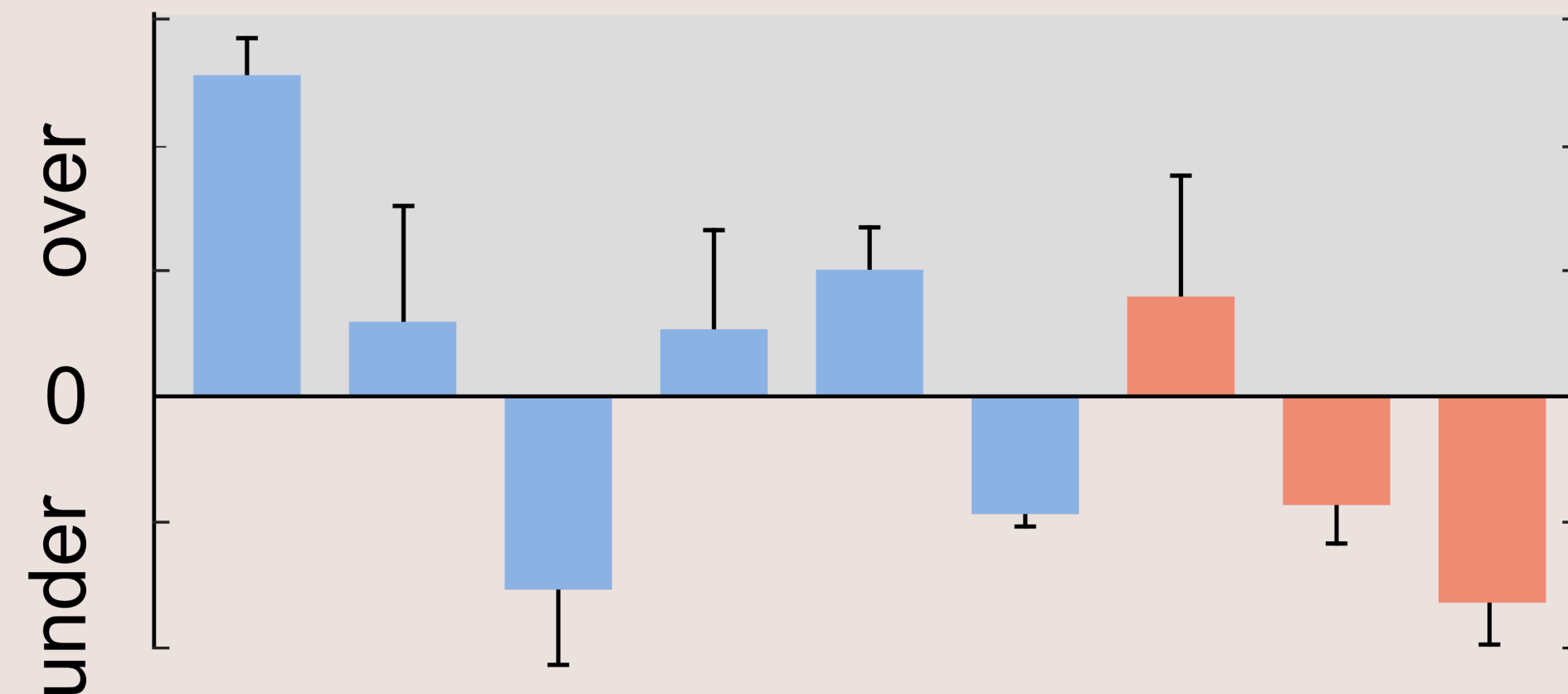
production
links



metabolic byproducts

metabolites

microbes

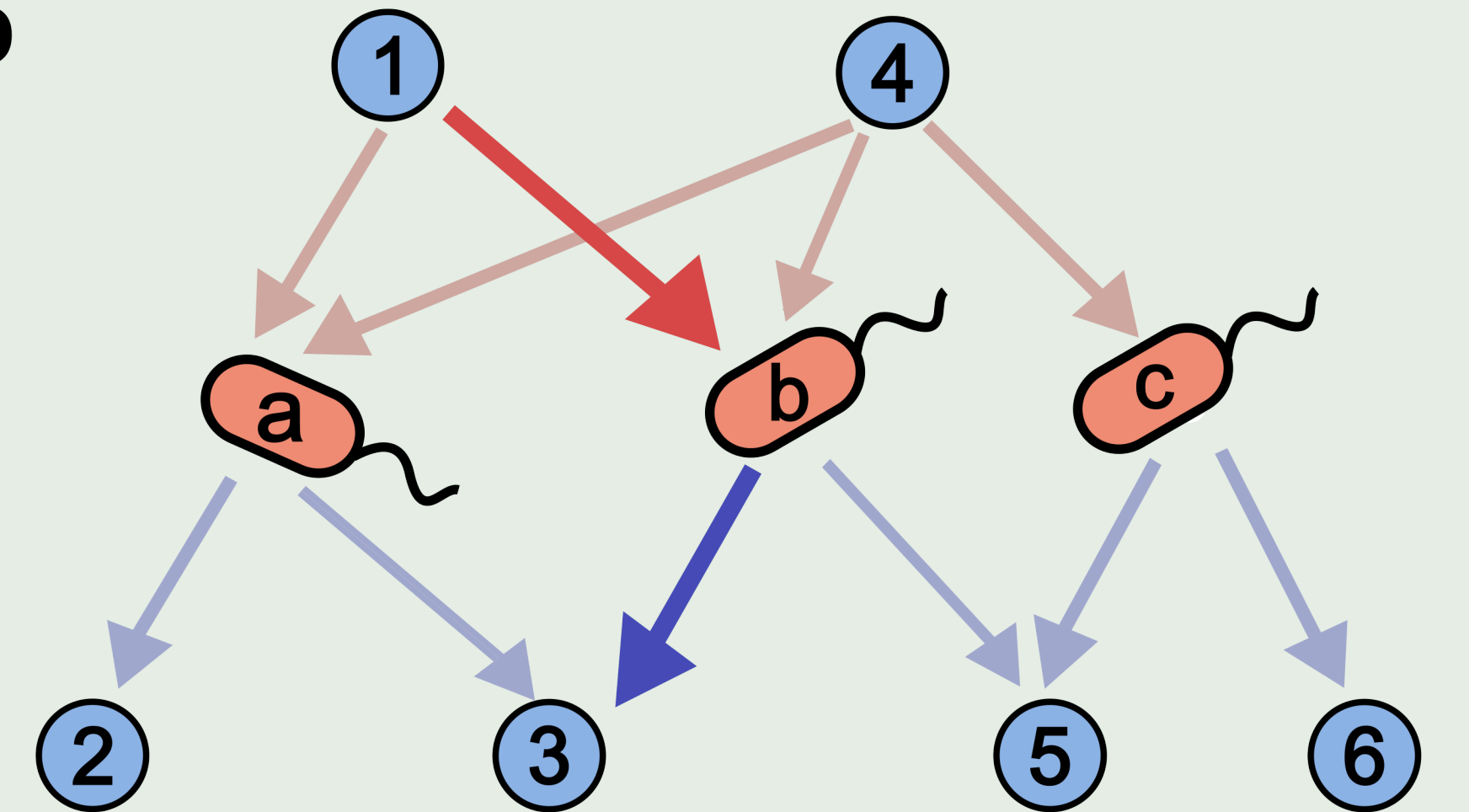


prediction - measurement

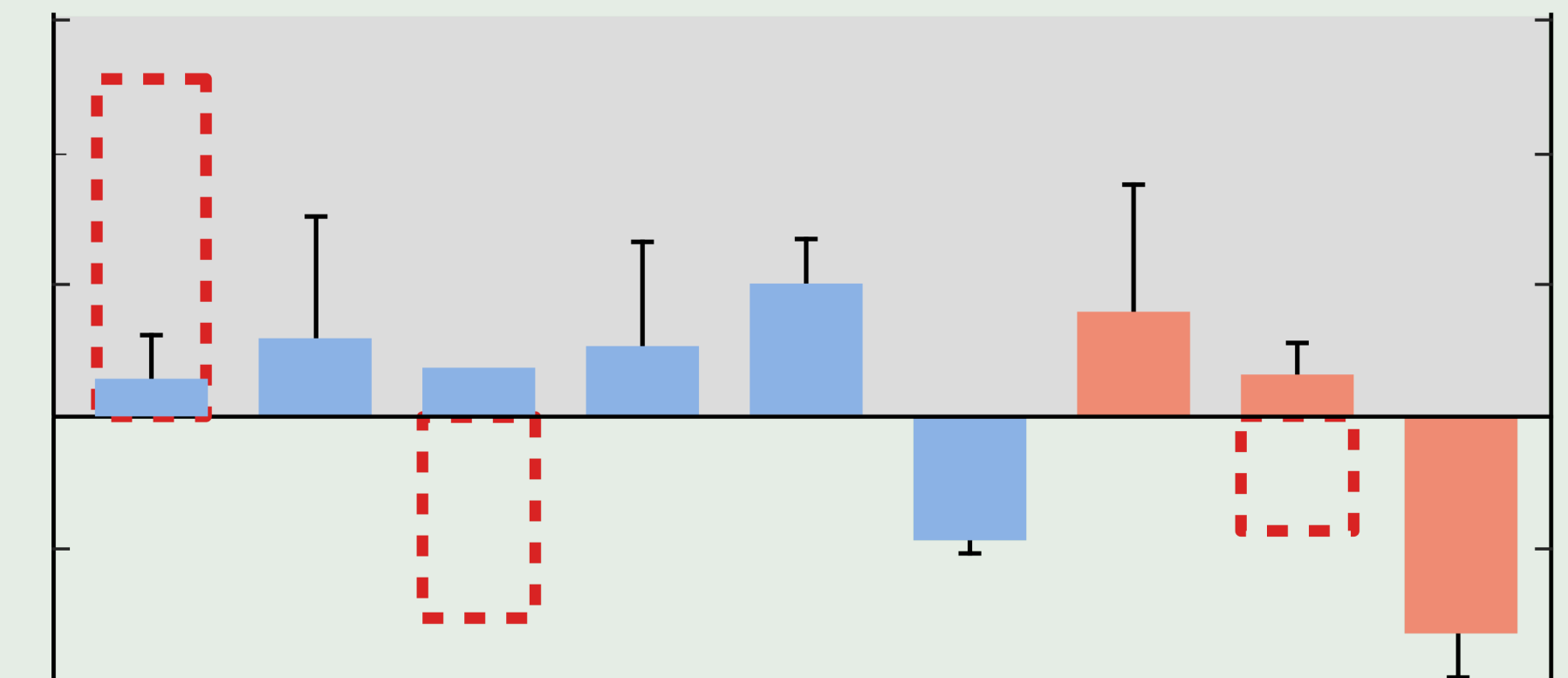
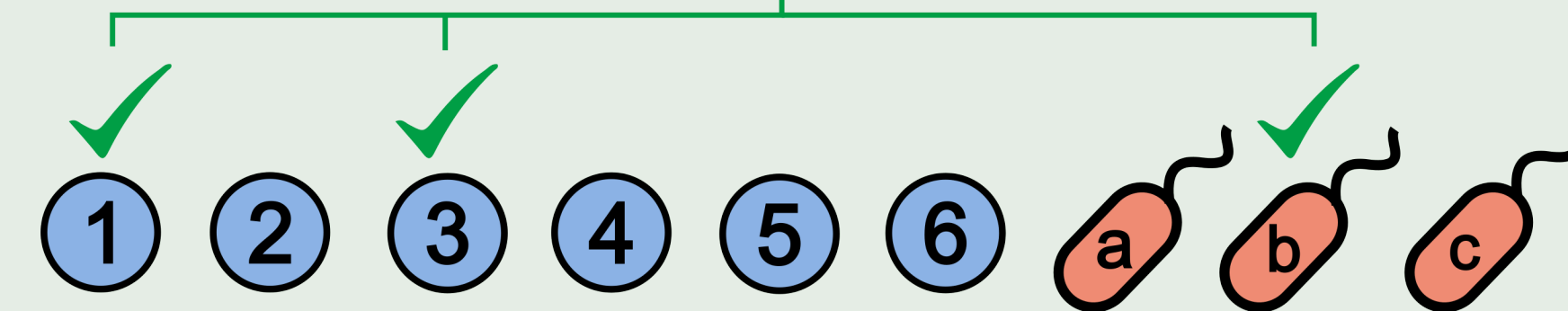
add new
link

modified network
(after one step of GutCP)

b



prediction improved



likely missing
consumption
links

likely missing
production
links