



Figure SI9. Alternative pathway can create false positive switch when using flux sampling, as illustrated here with an example concerning the study of *Saccharomyces cerevisiae* under nitrogen limitation. When using pFBA, only the blue pathway carries flux, whatever is the condition. With flux sampling, the flux is distributed between the blue and red pathways, in variable proportion. This makes diglyceride (in the endoplasmic reticulum membrane) appearing with a high switching score, without relevance.