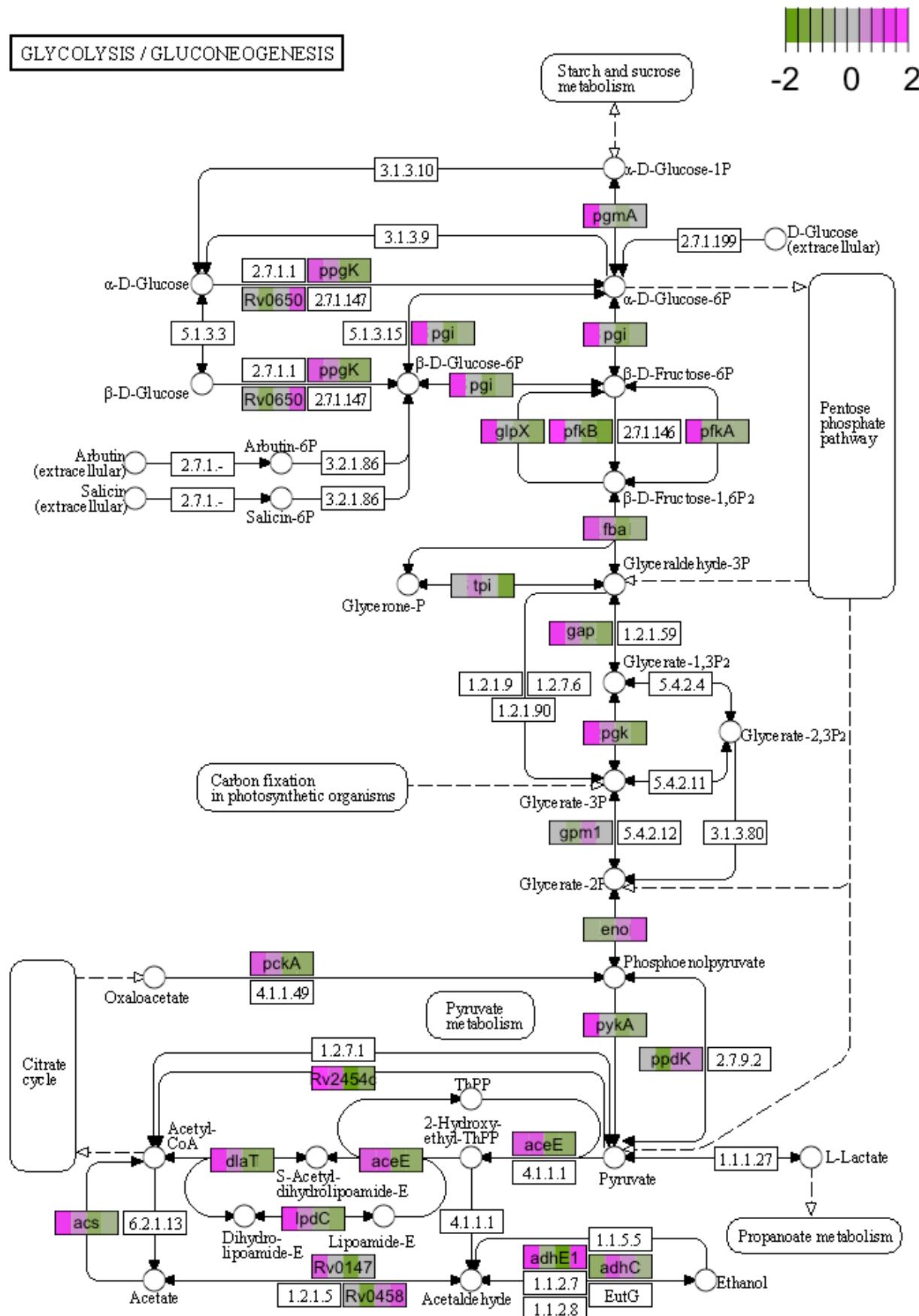
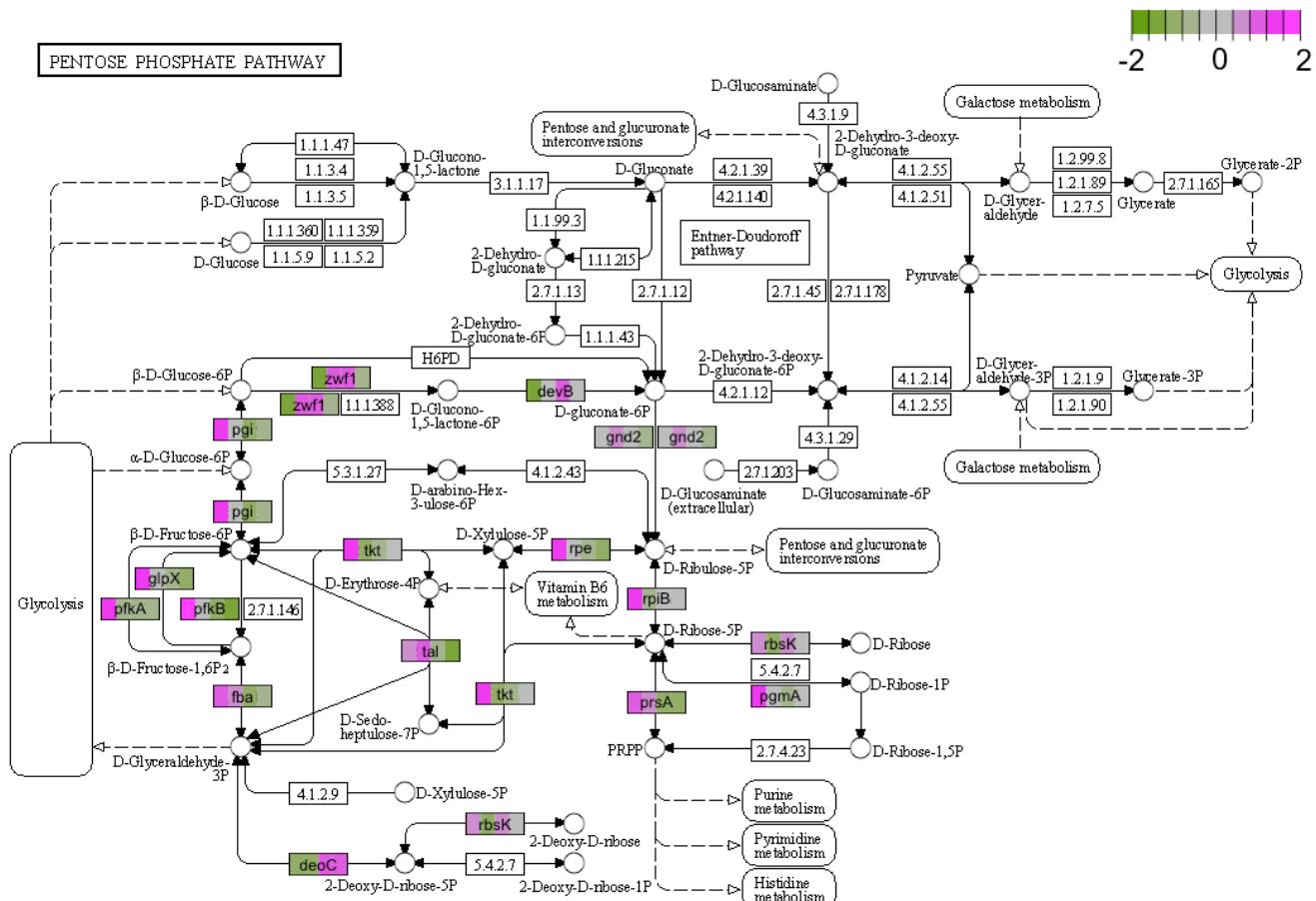
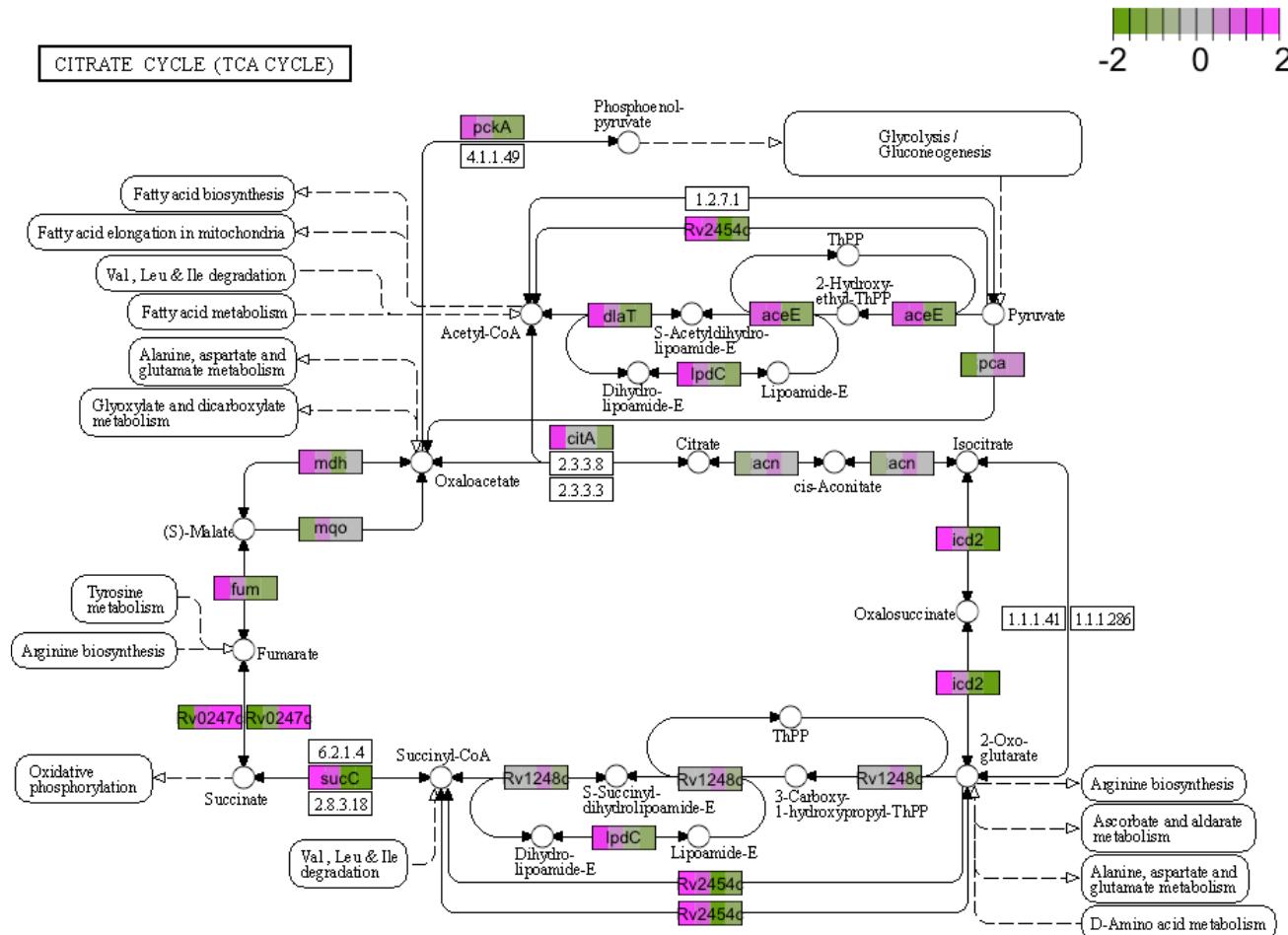
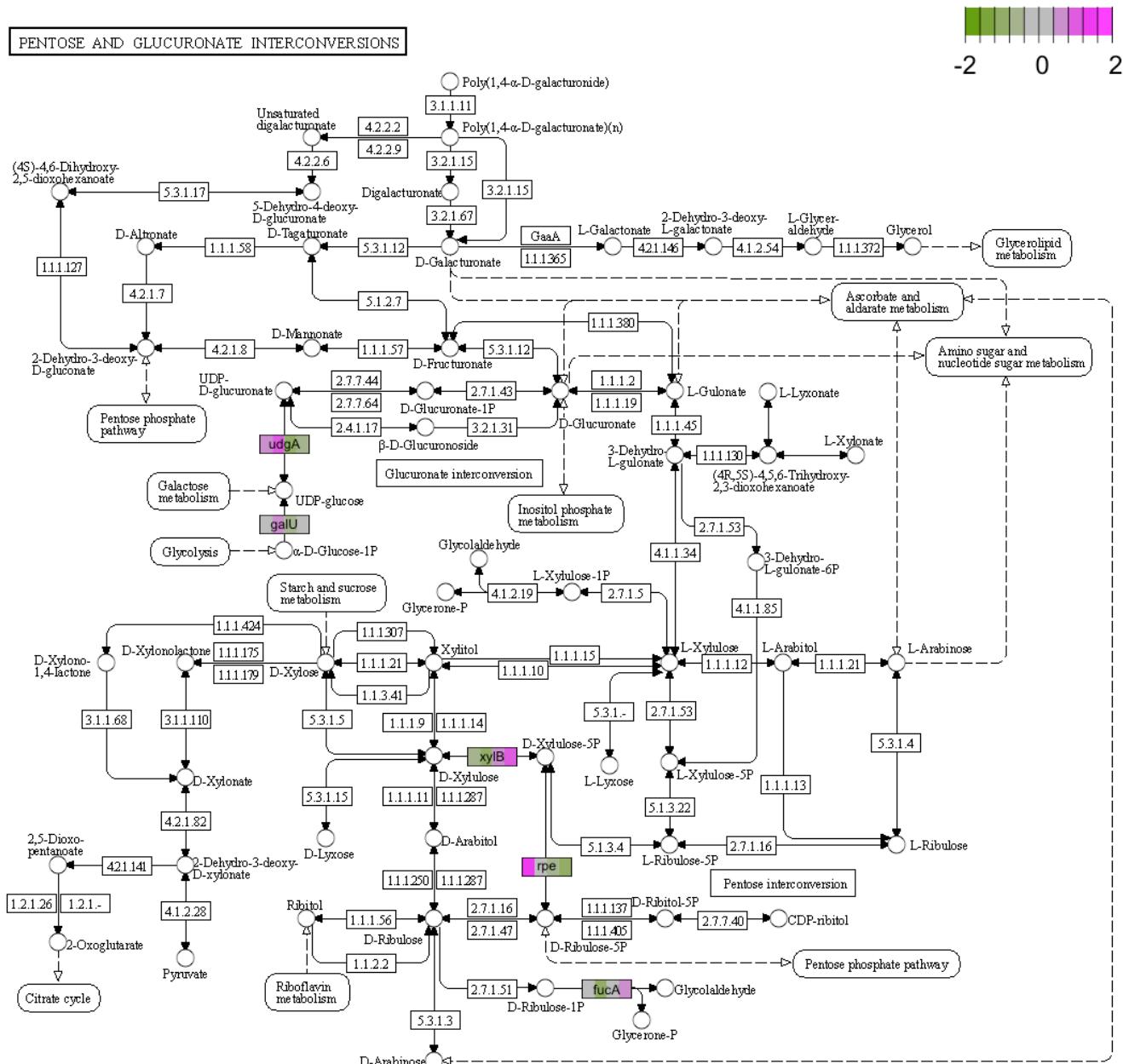
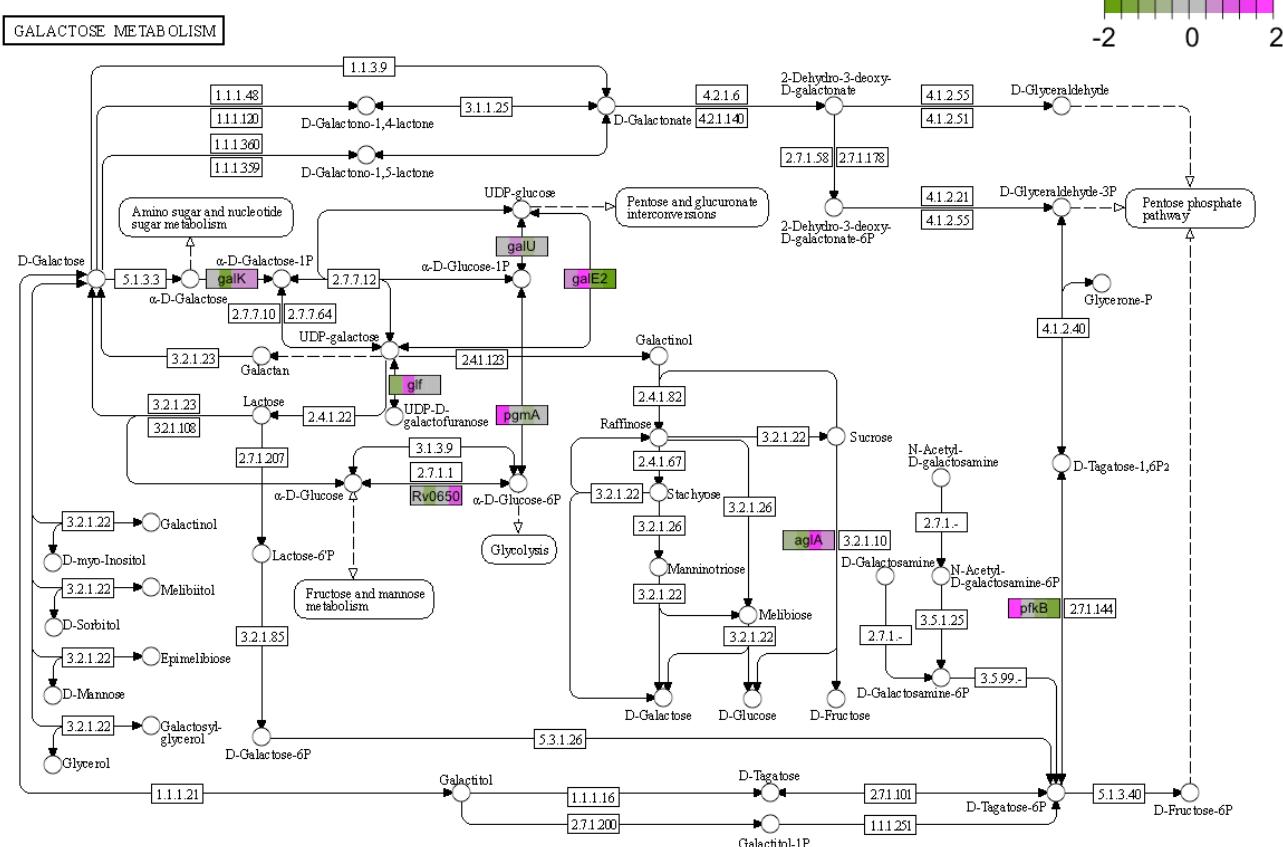
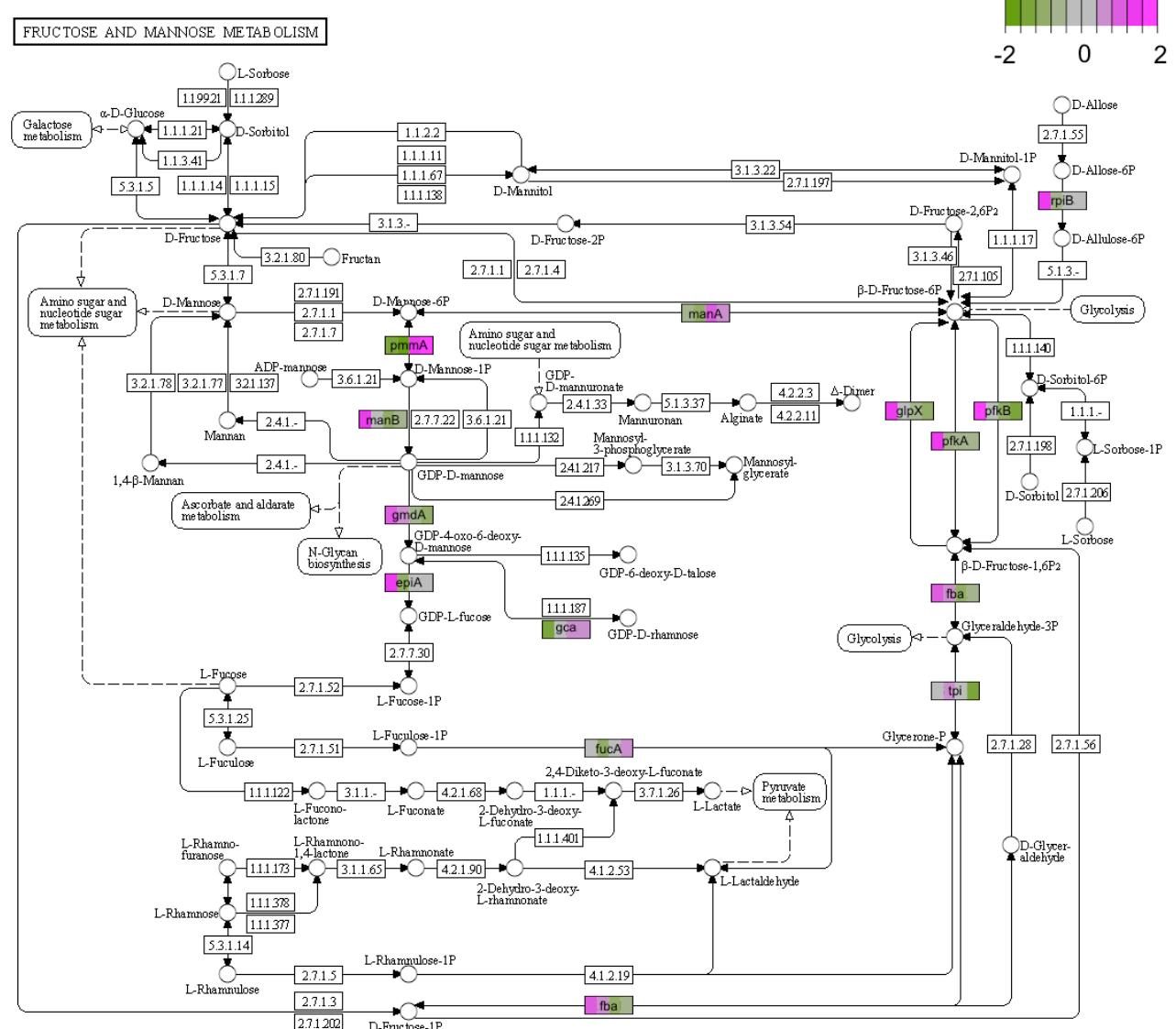


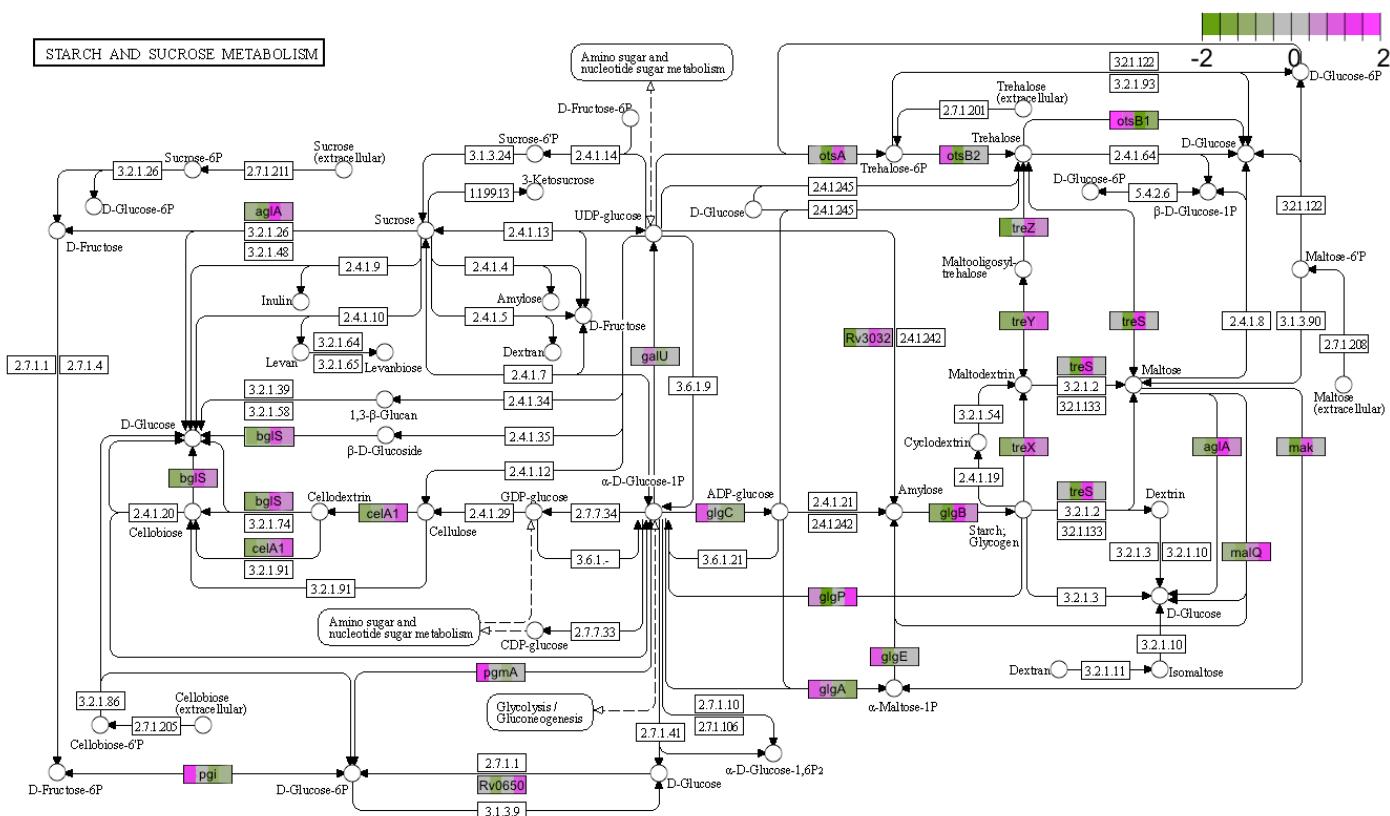
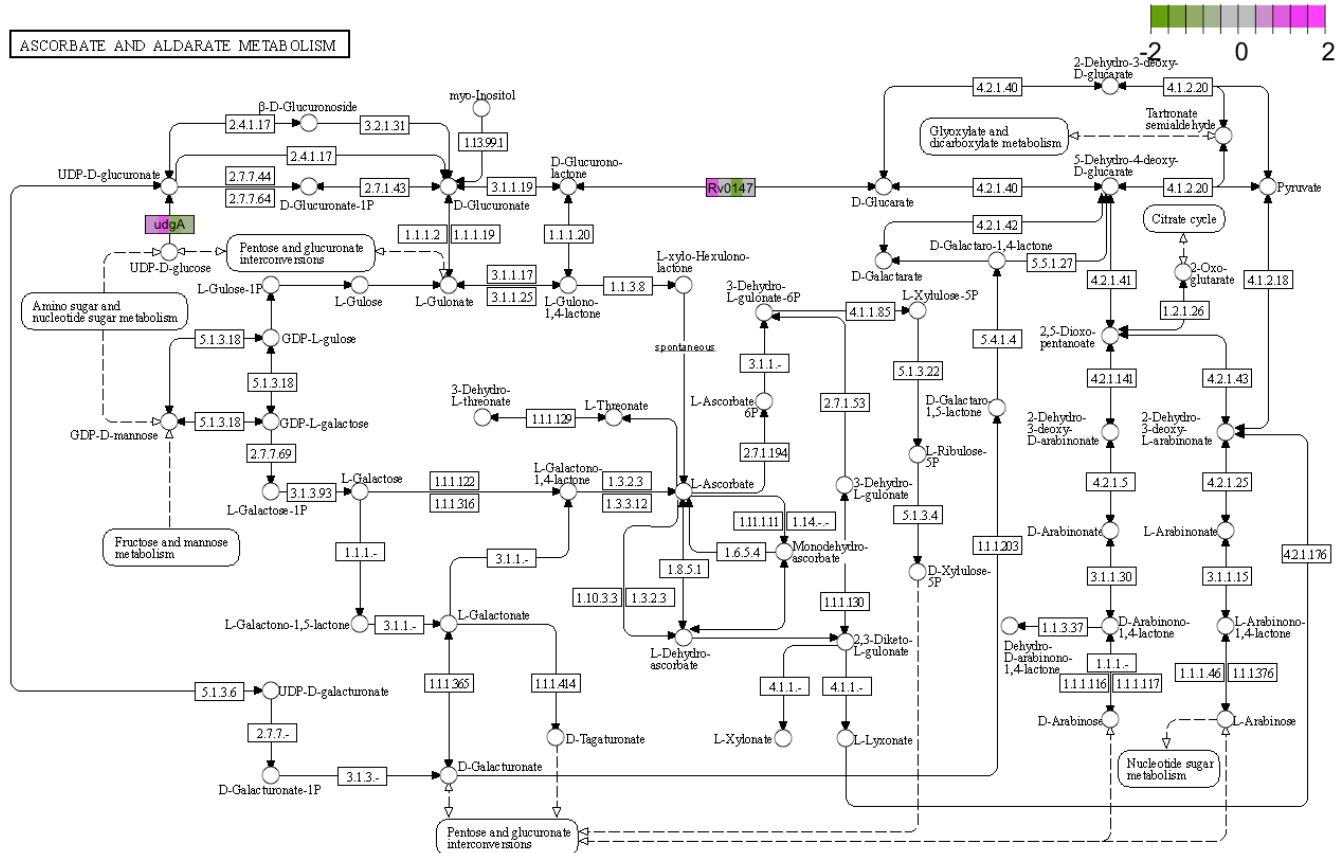
## CARBOHYDRATE METABOLISM

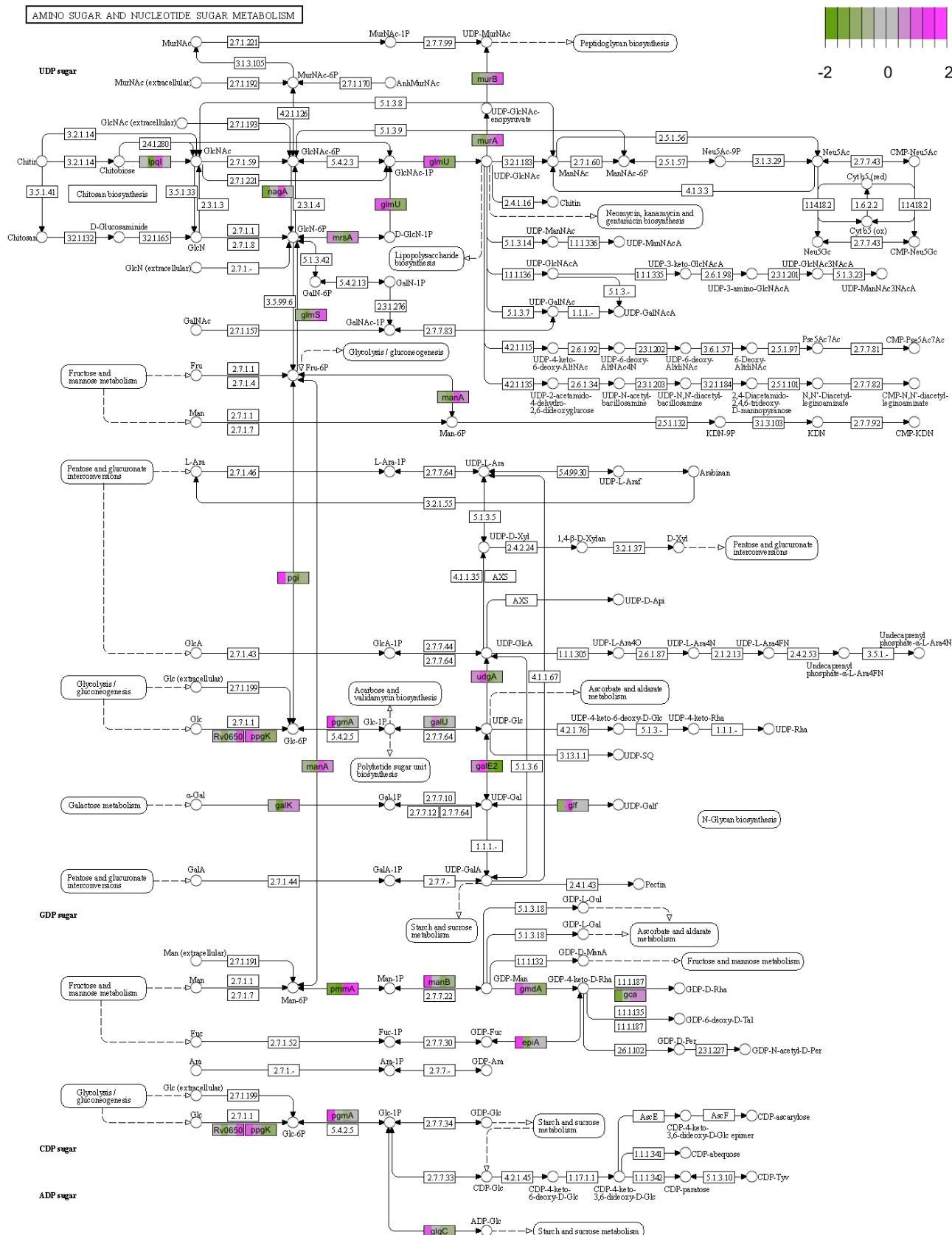


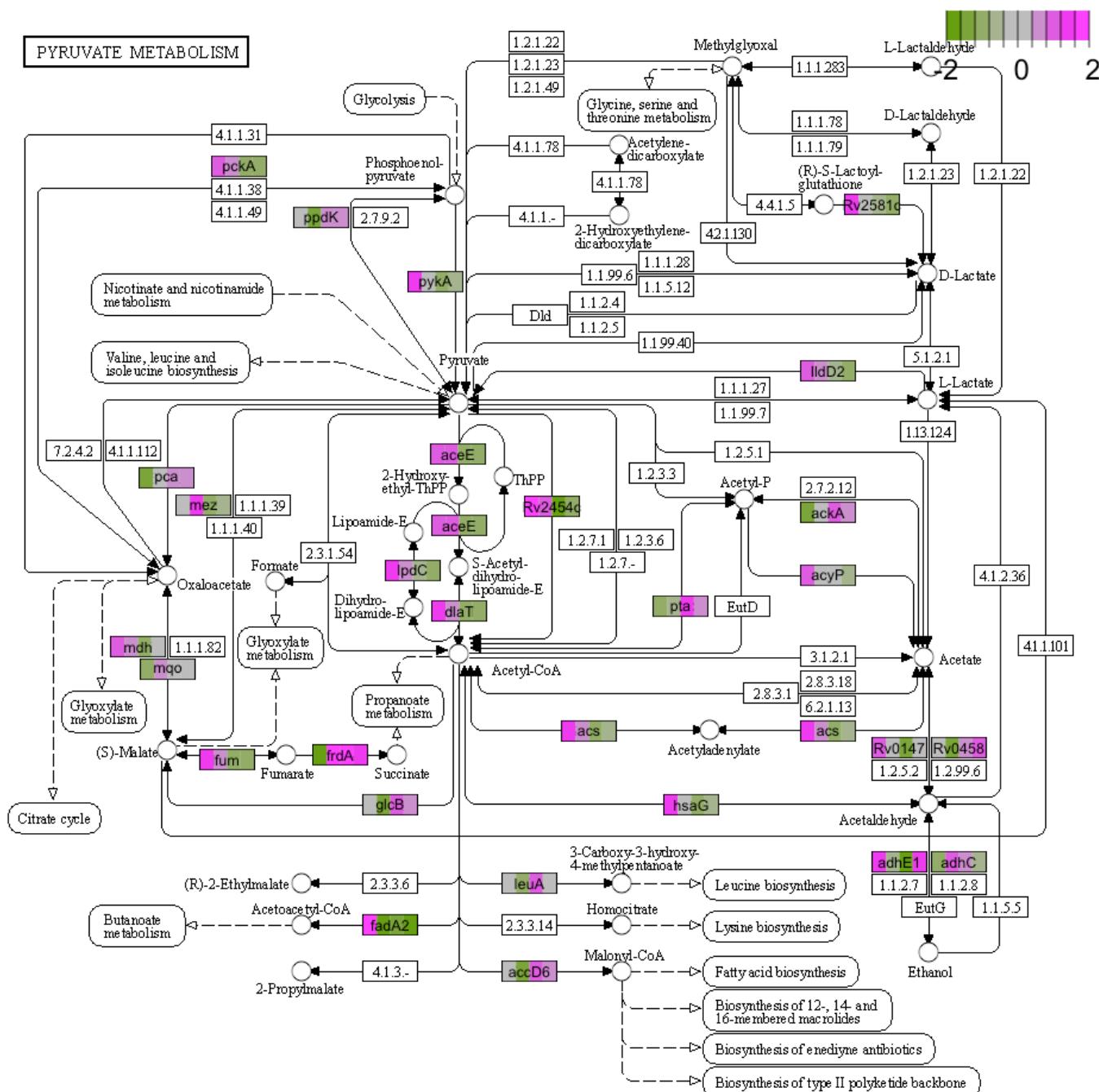


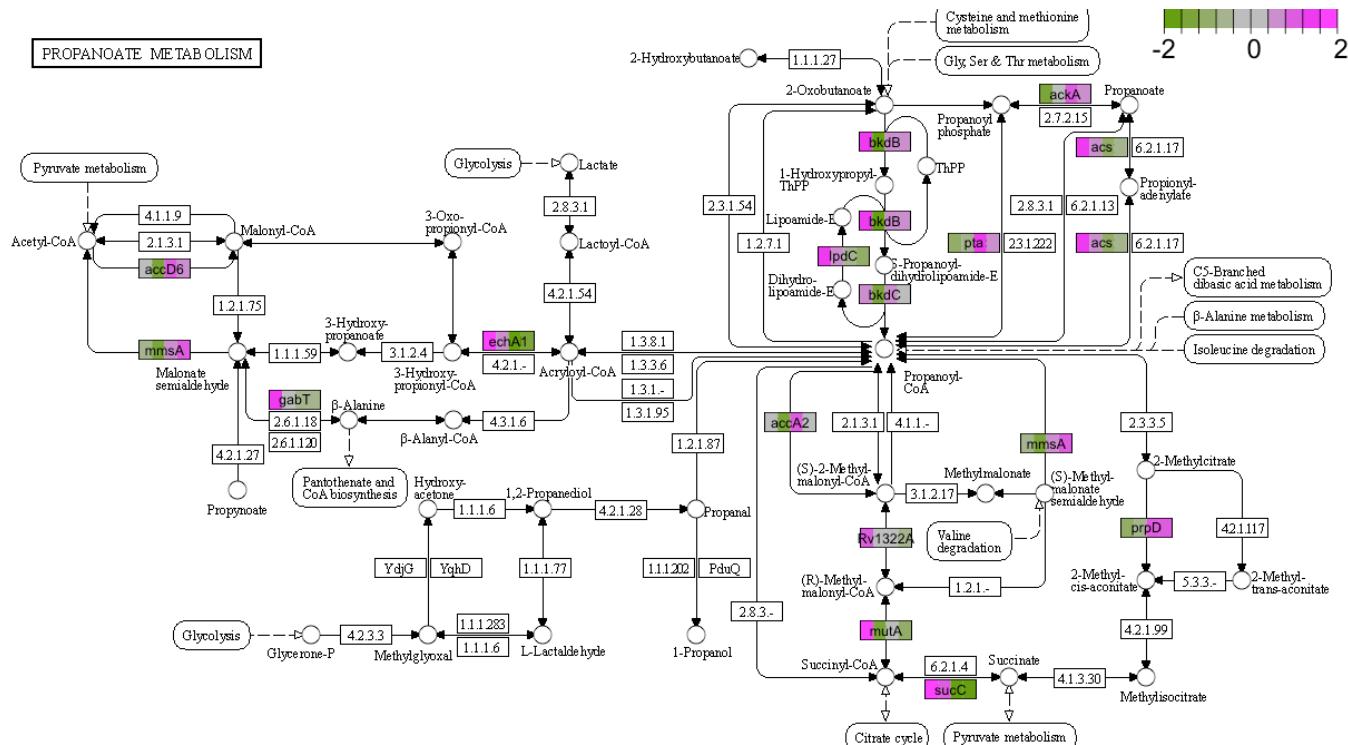
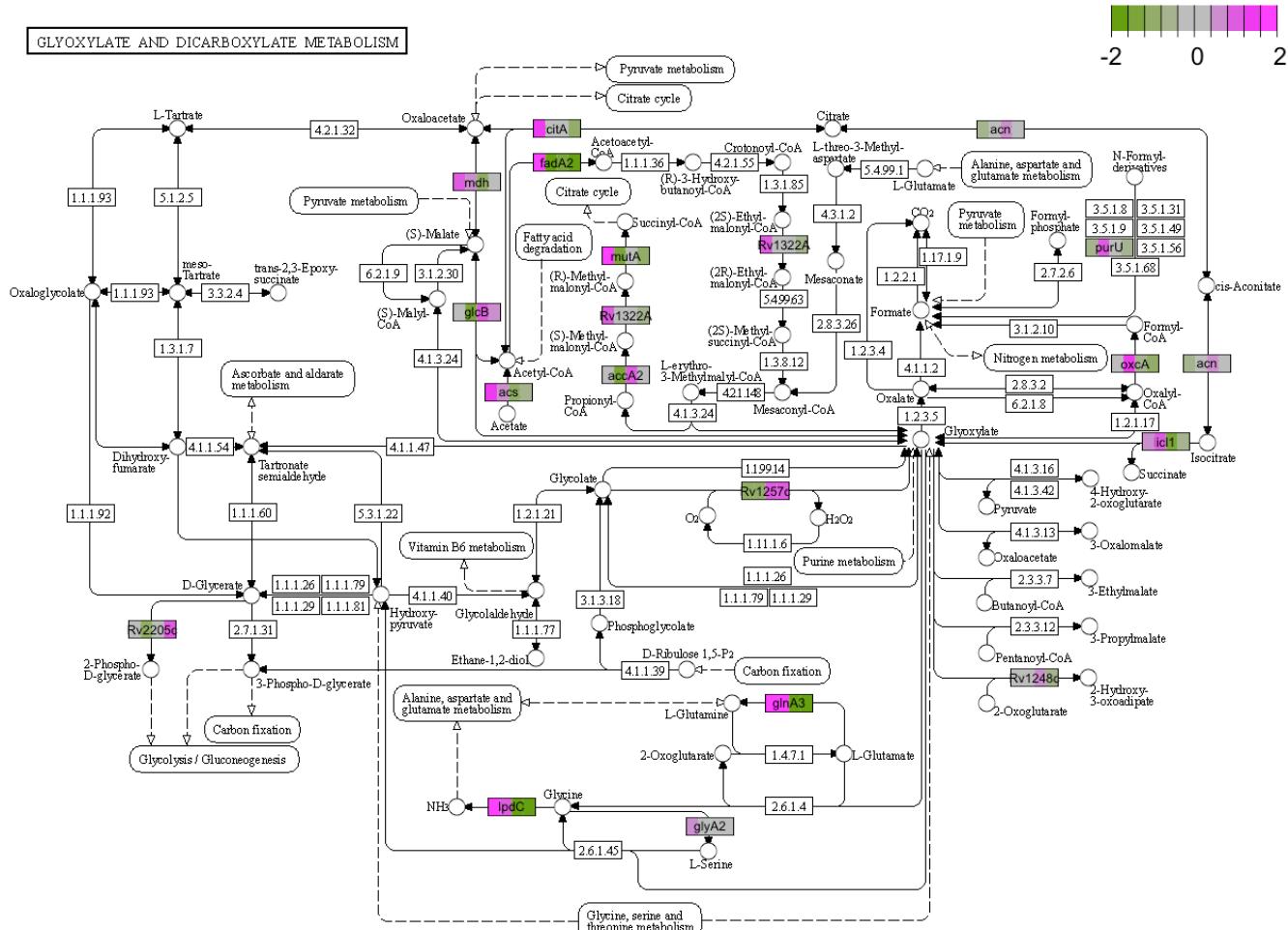


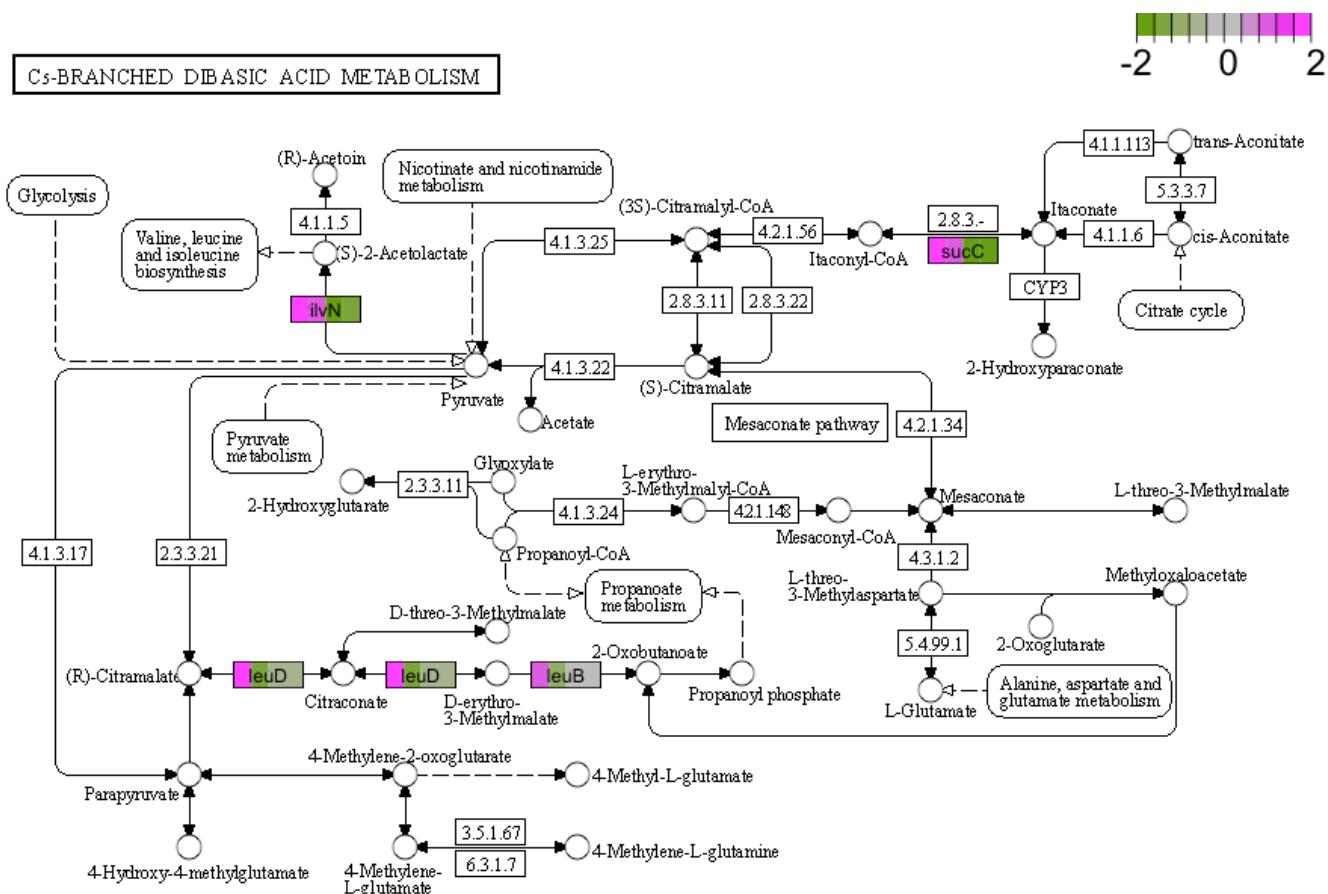
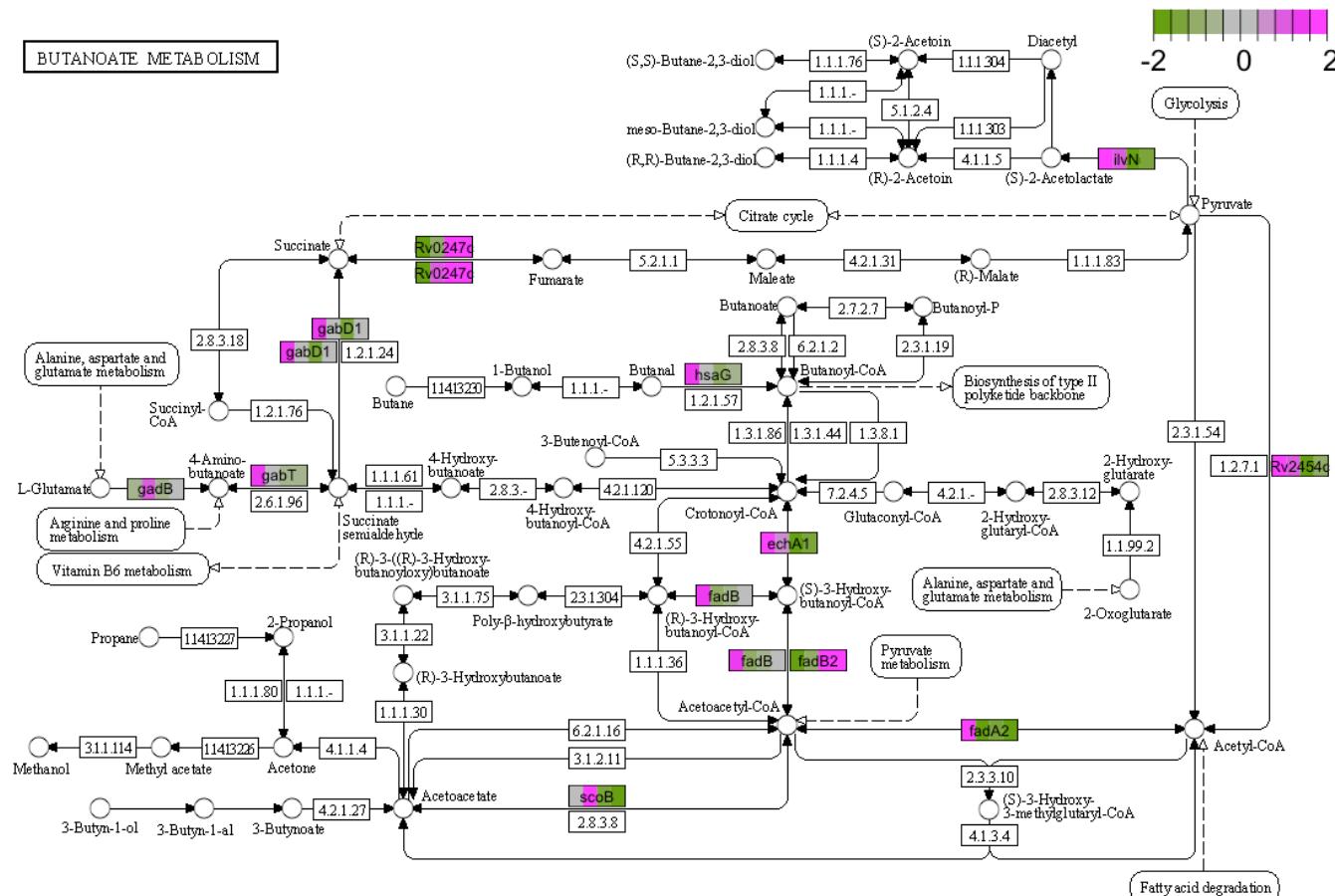


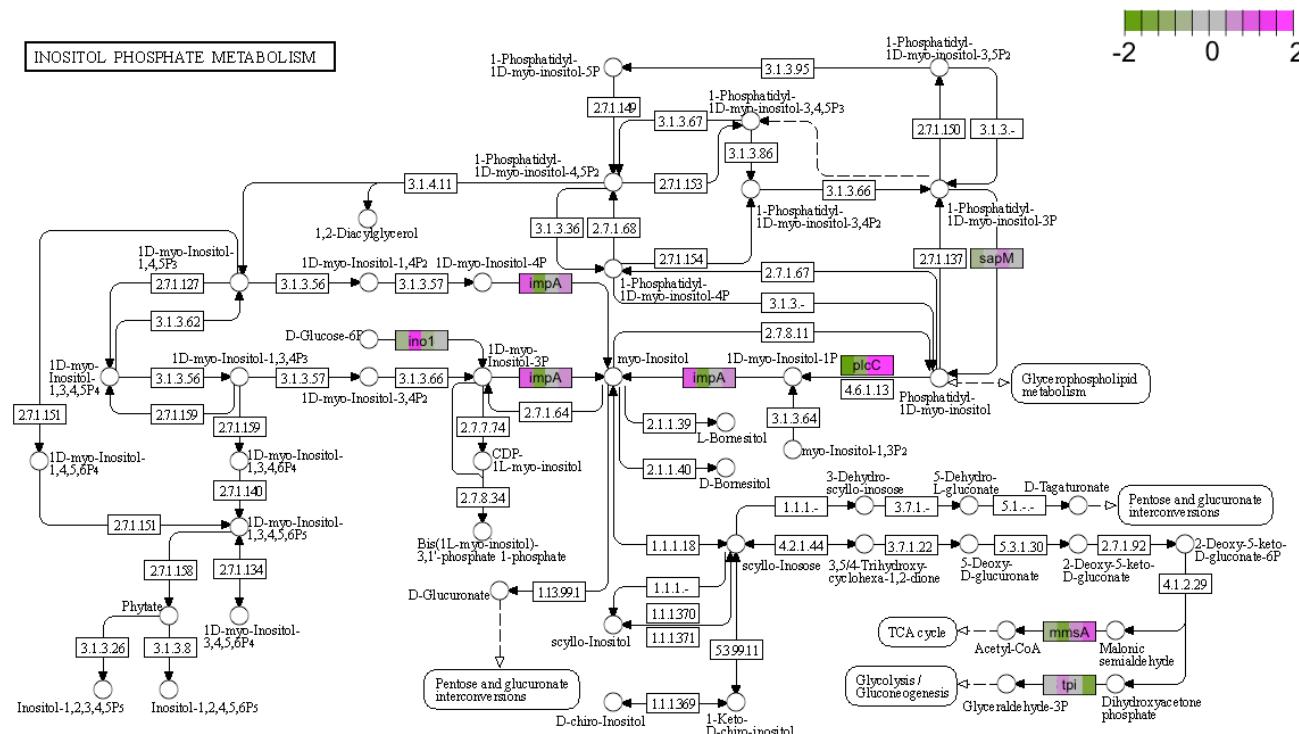




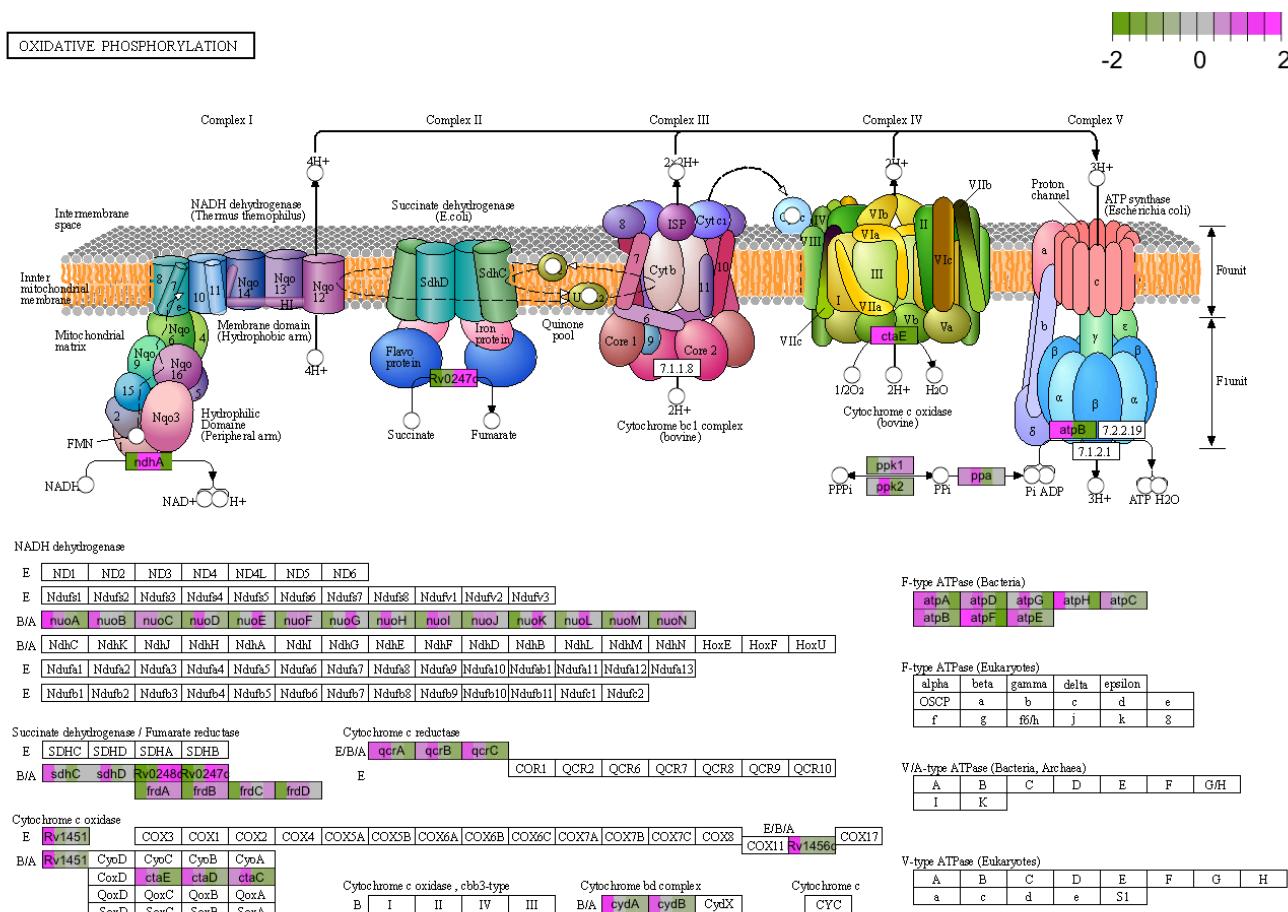


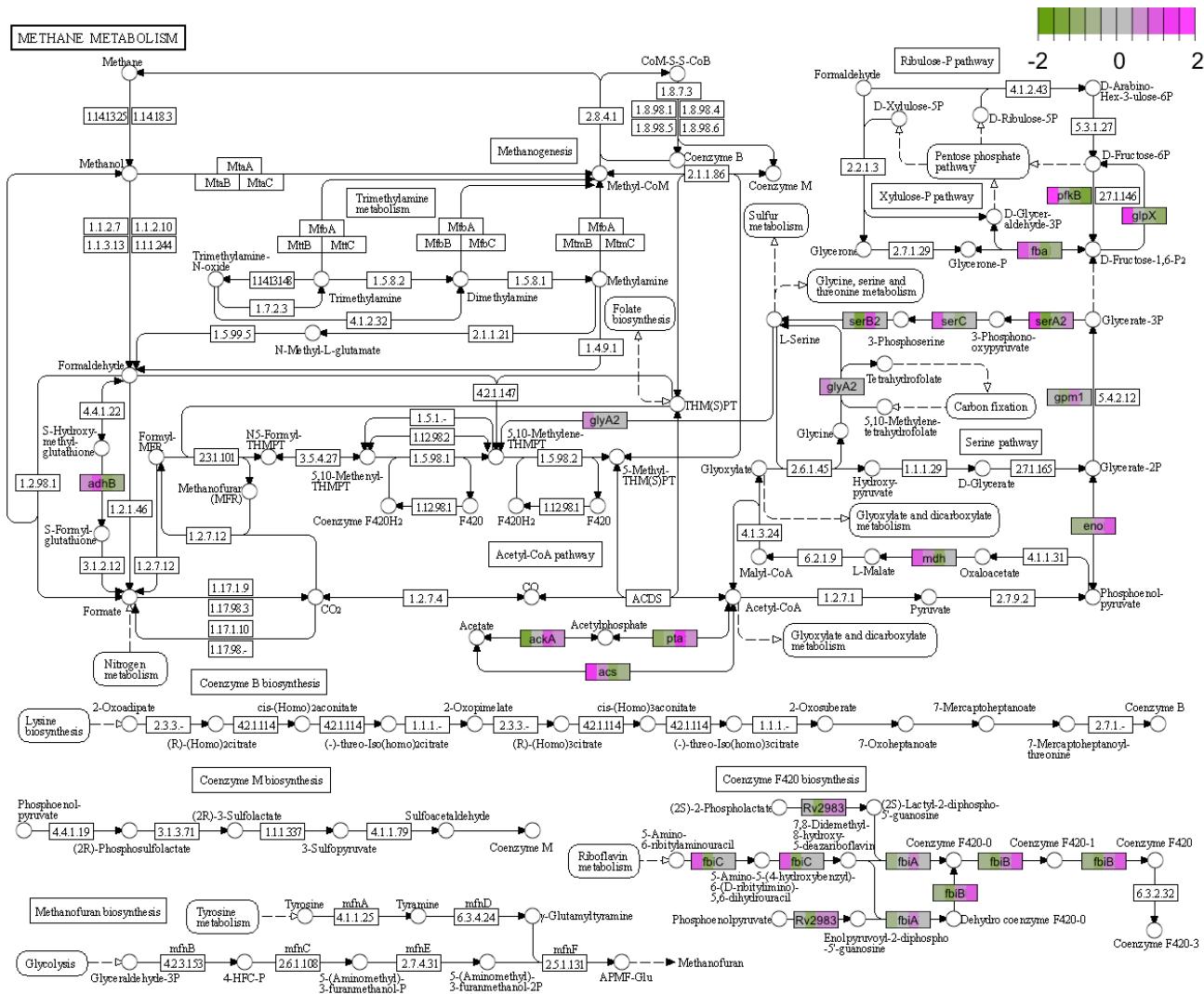


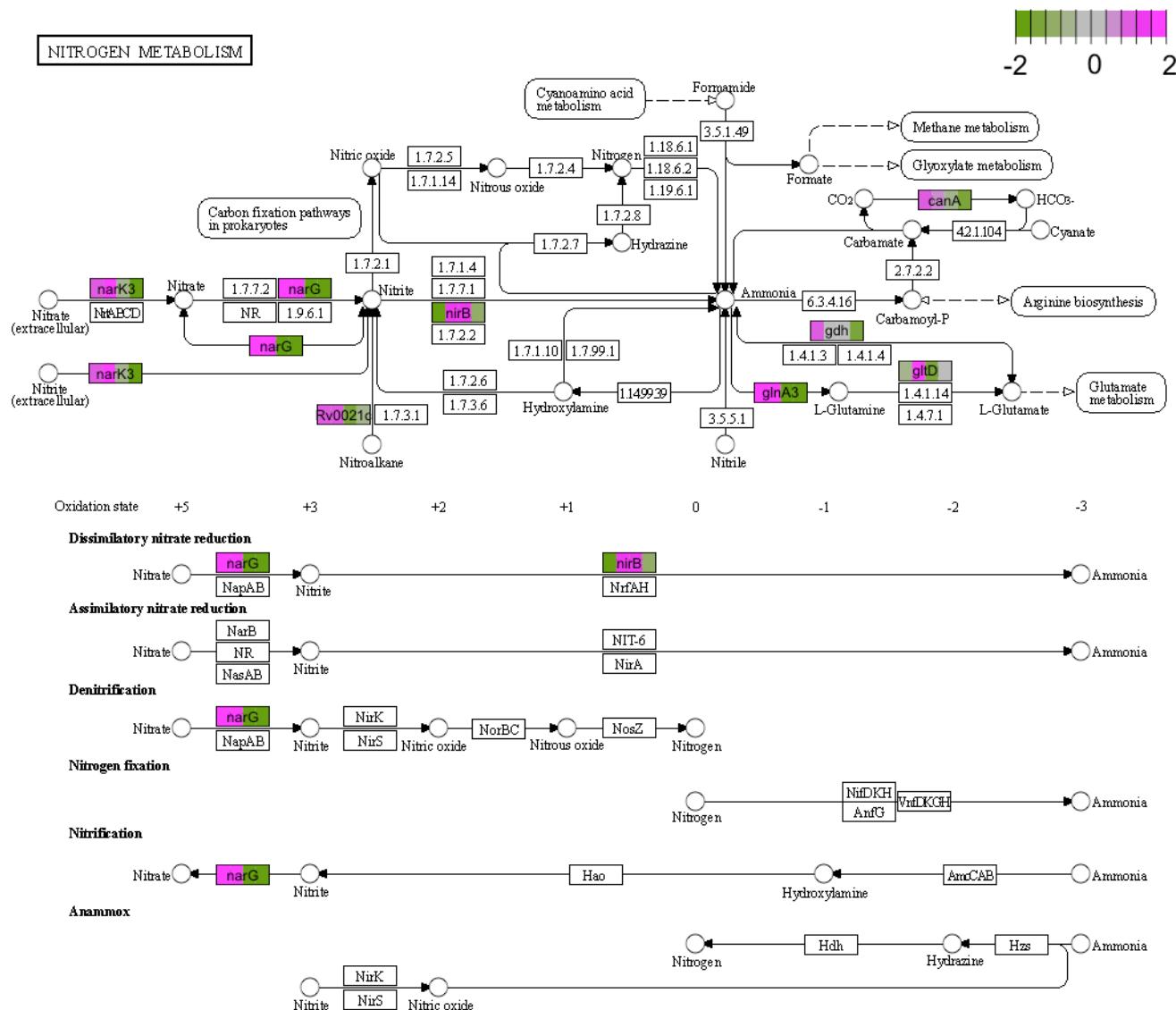


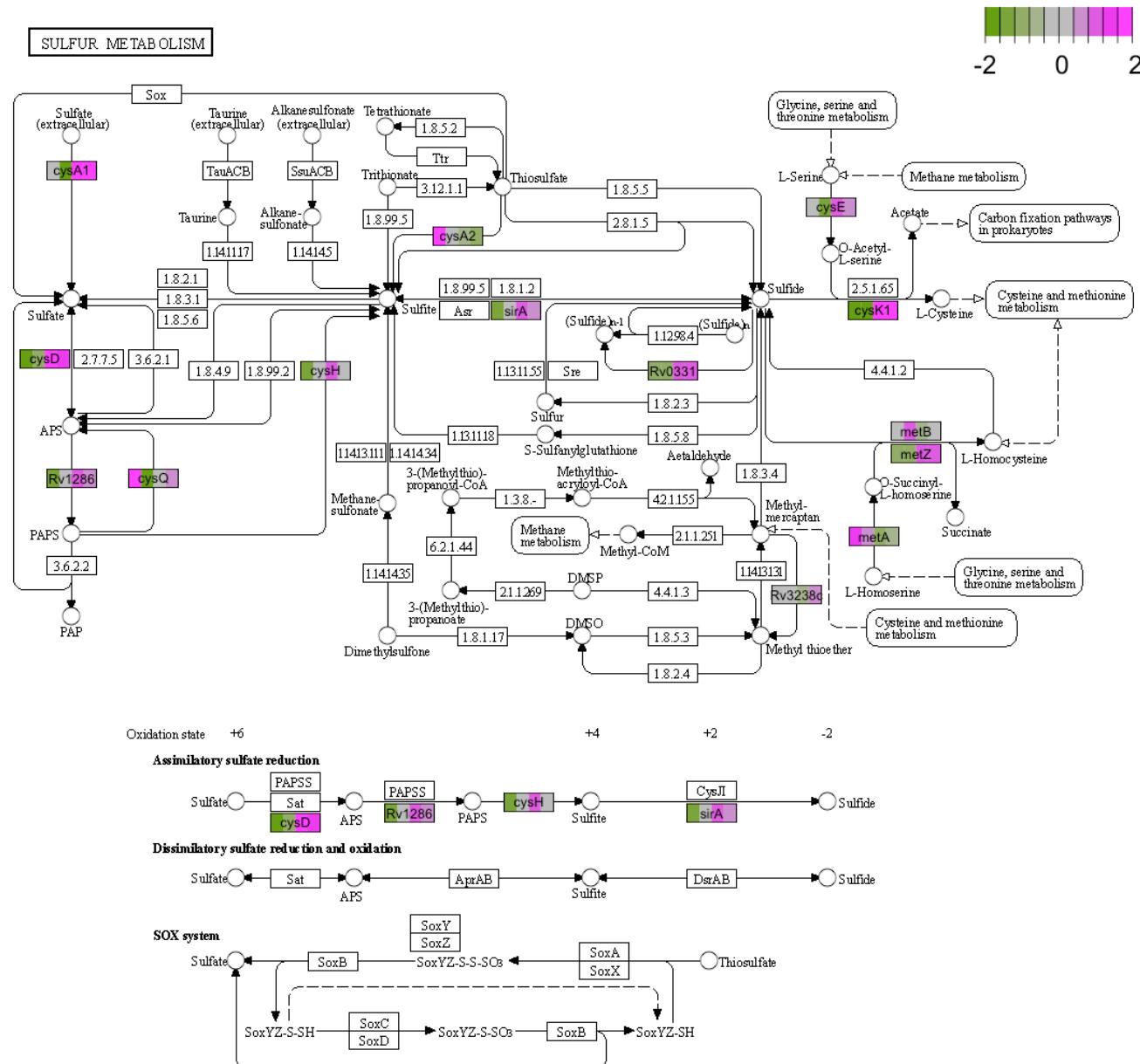


## ENERGY METABOLISM

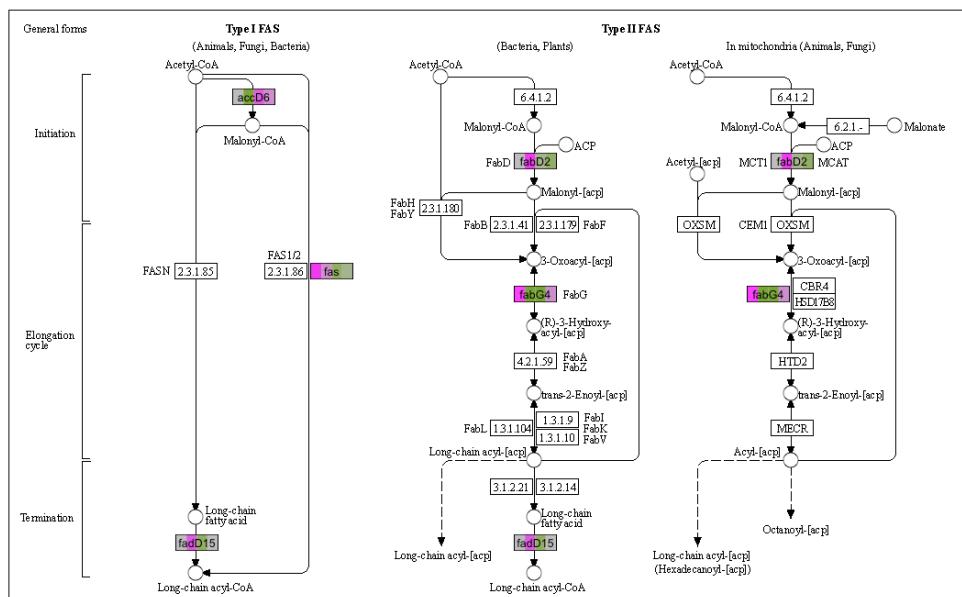
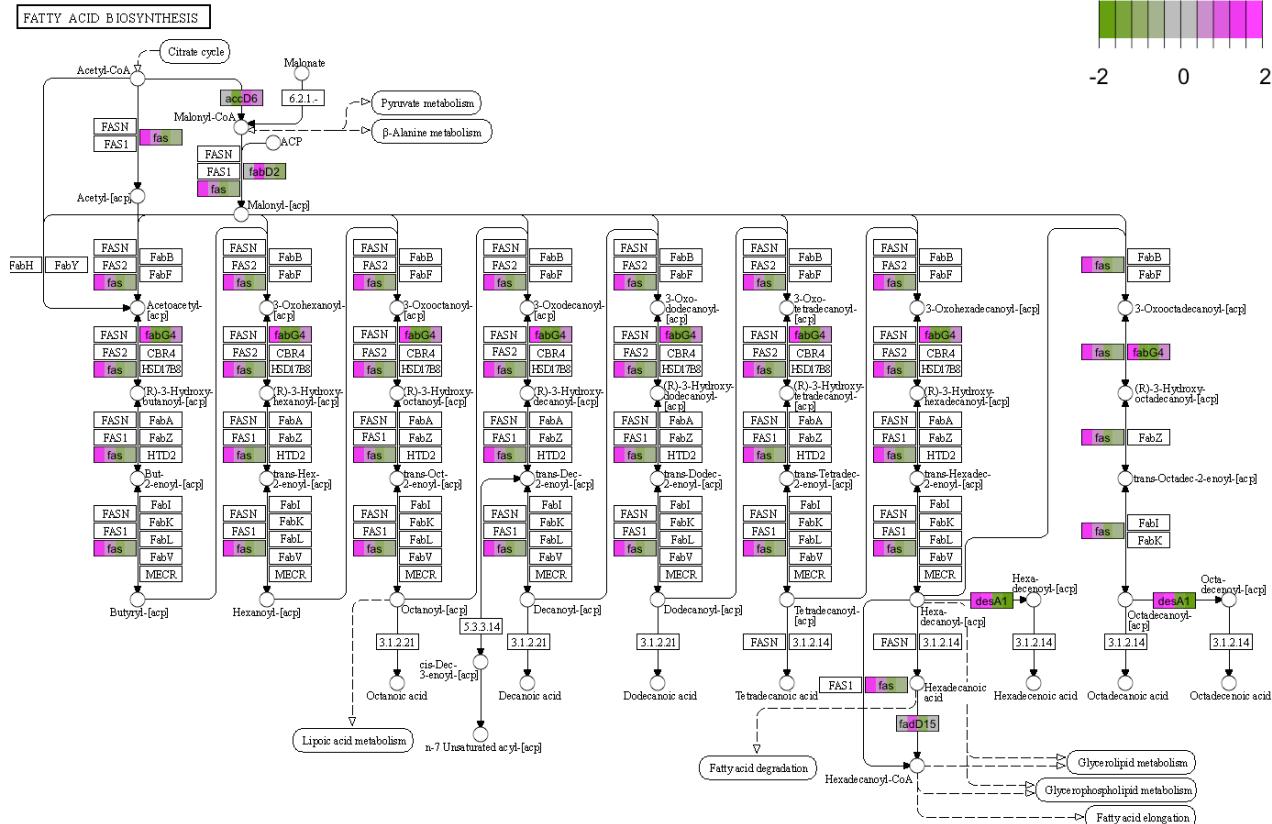


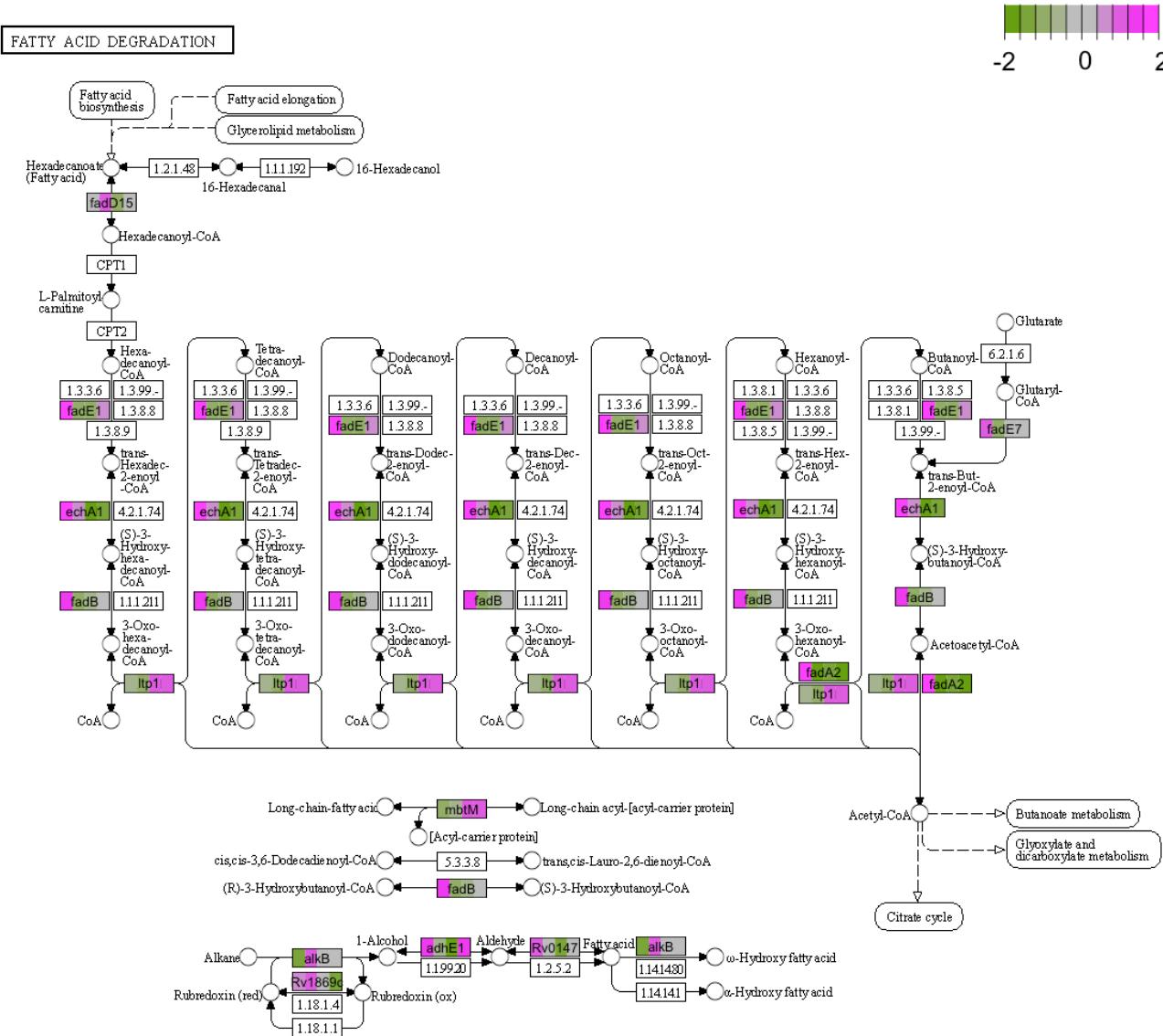


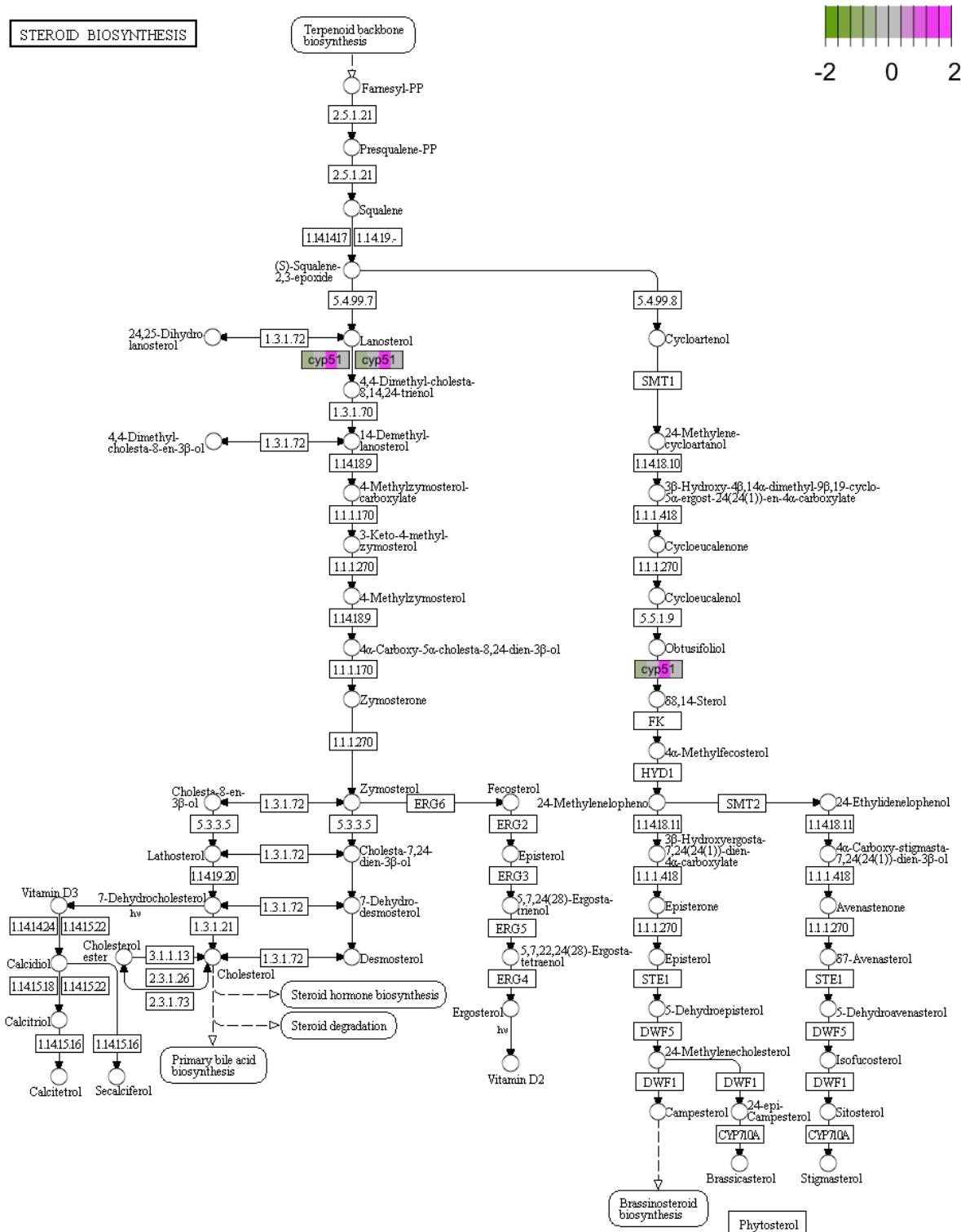


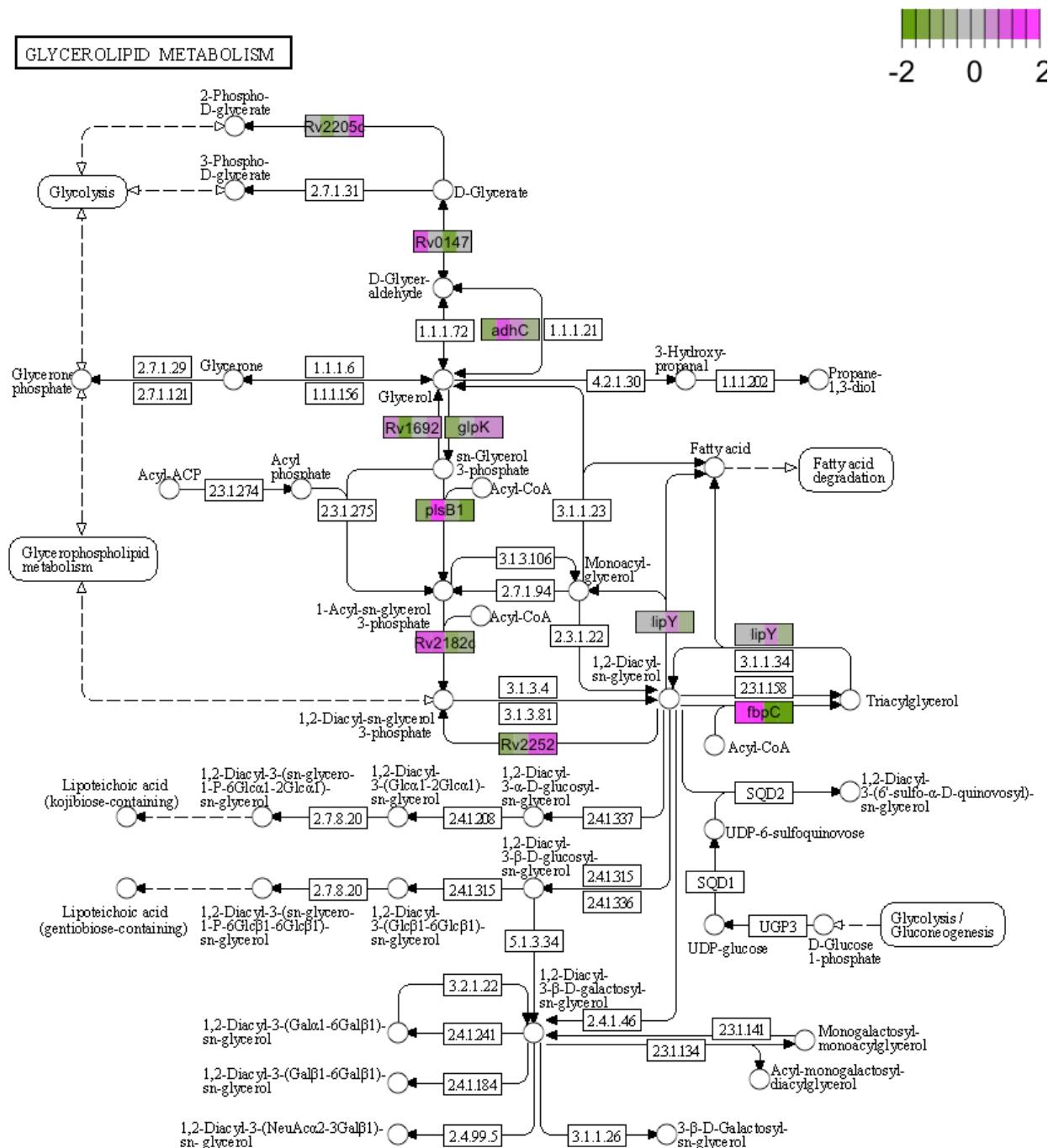


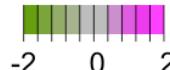
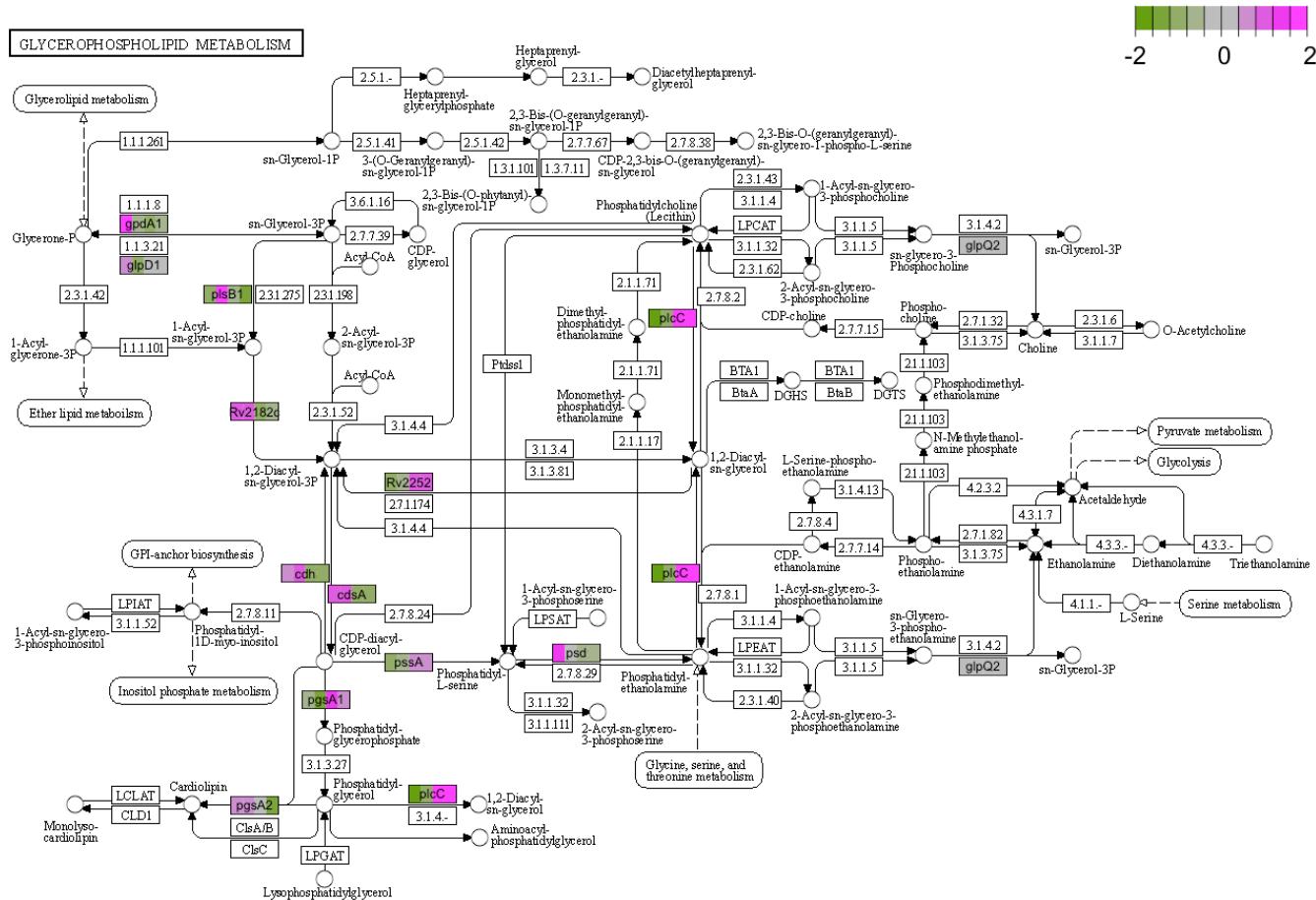
# LIPID METABOLISM



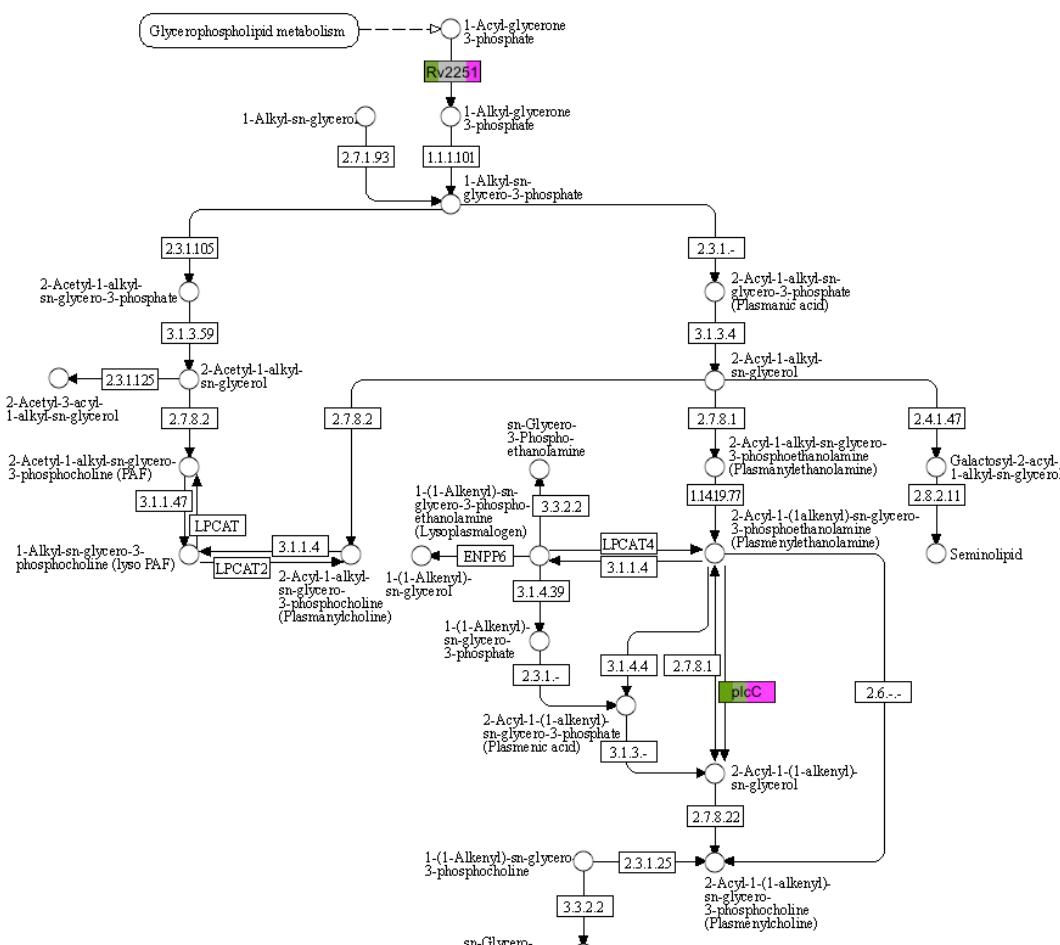


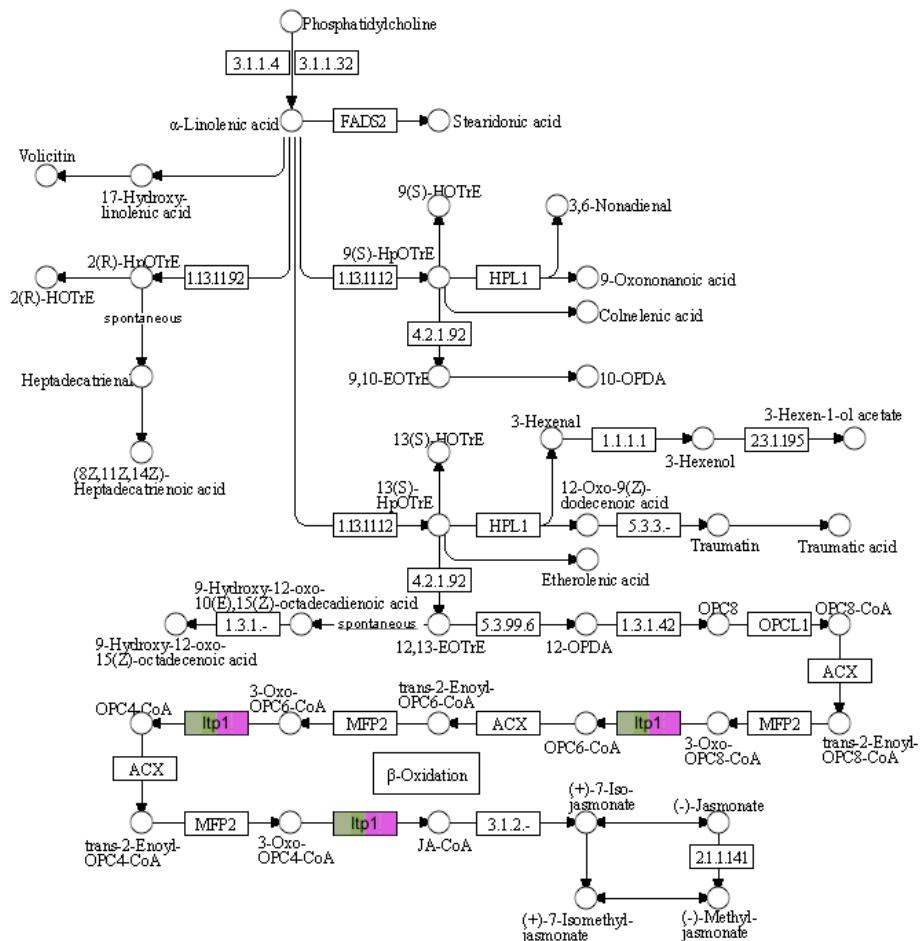
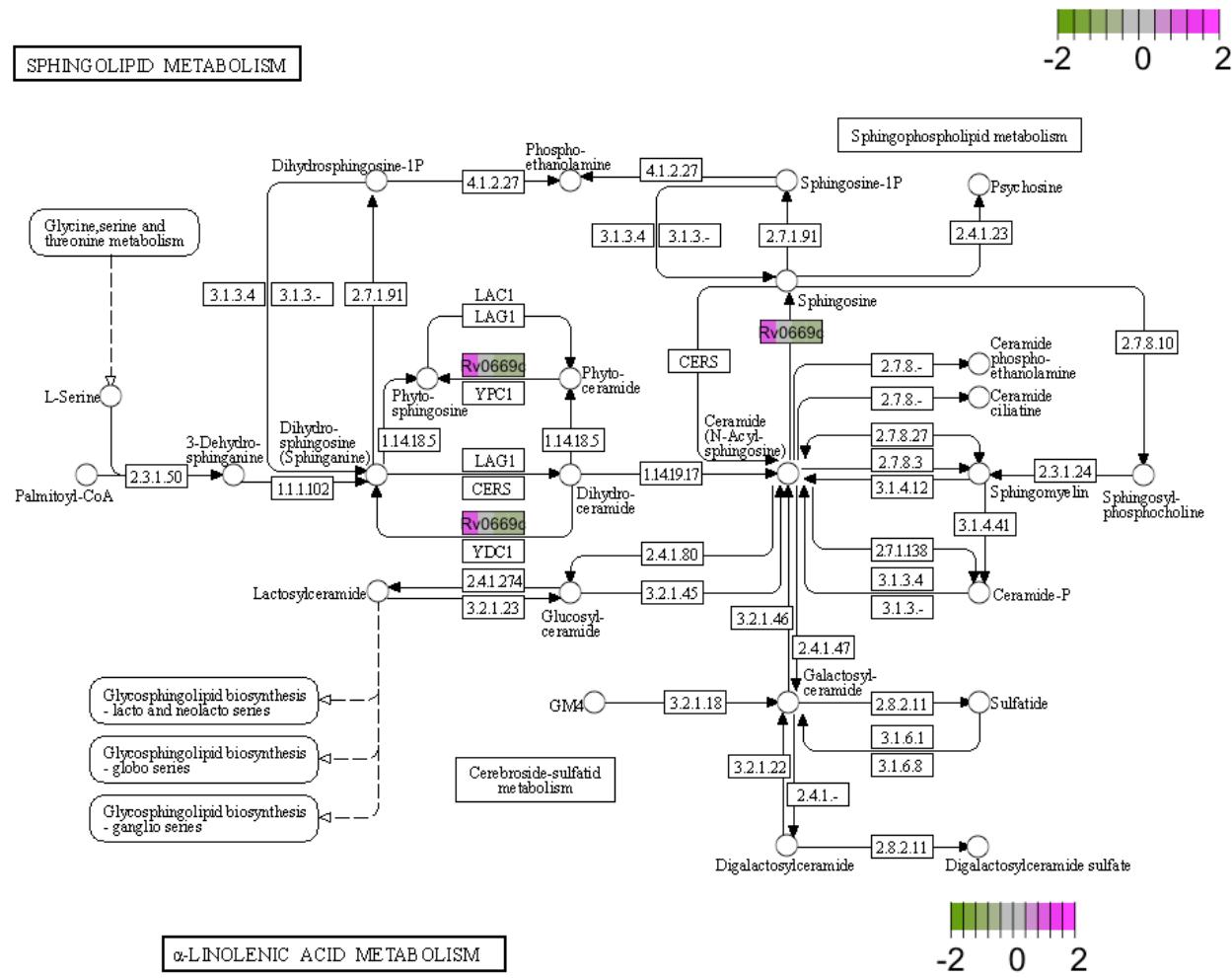




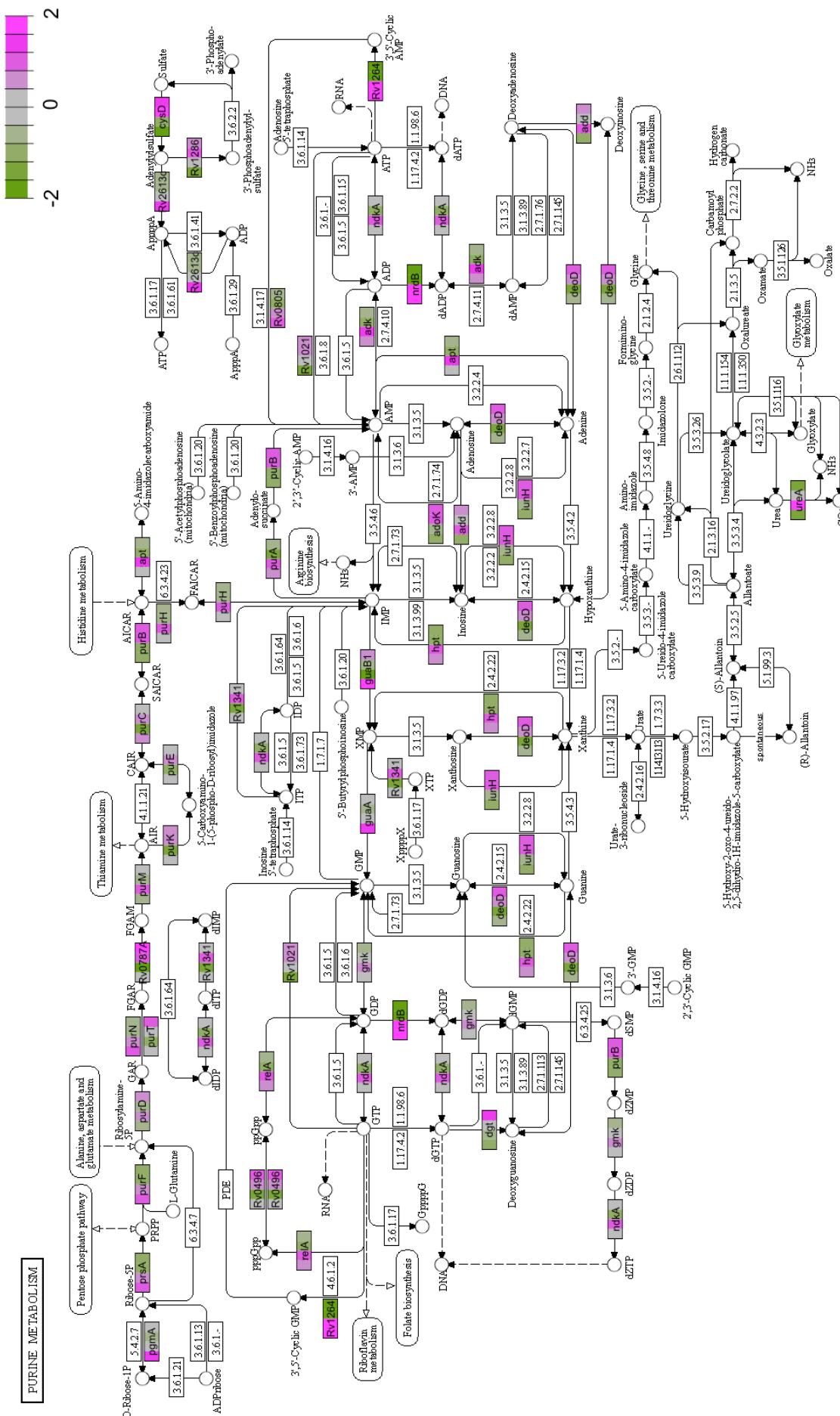


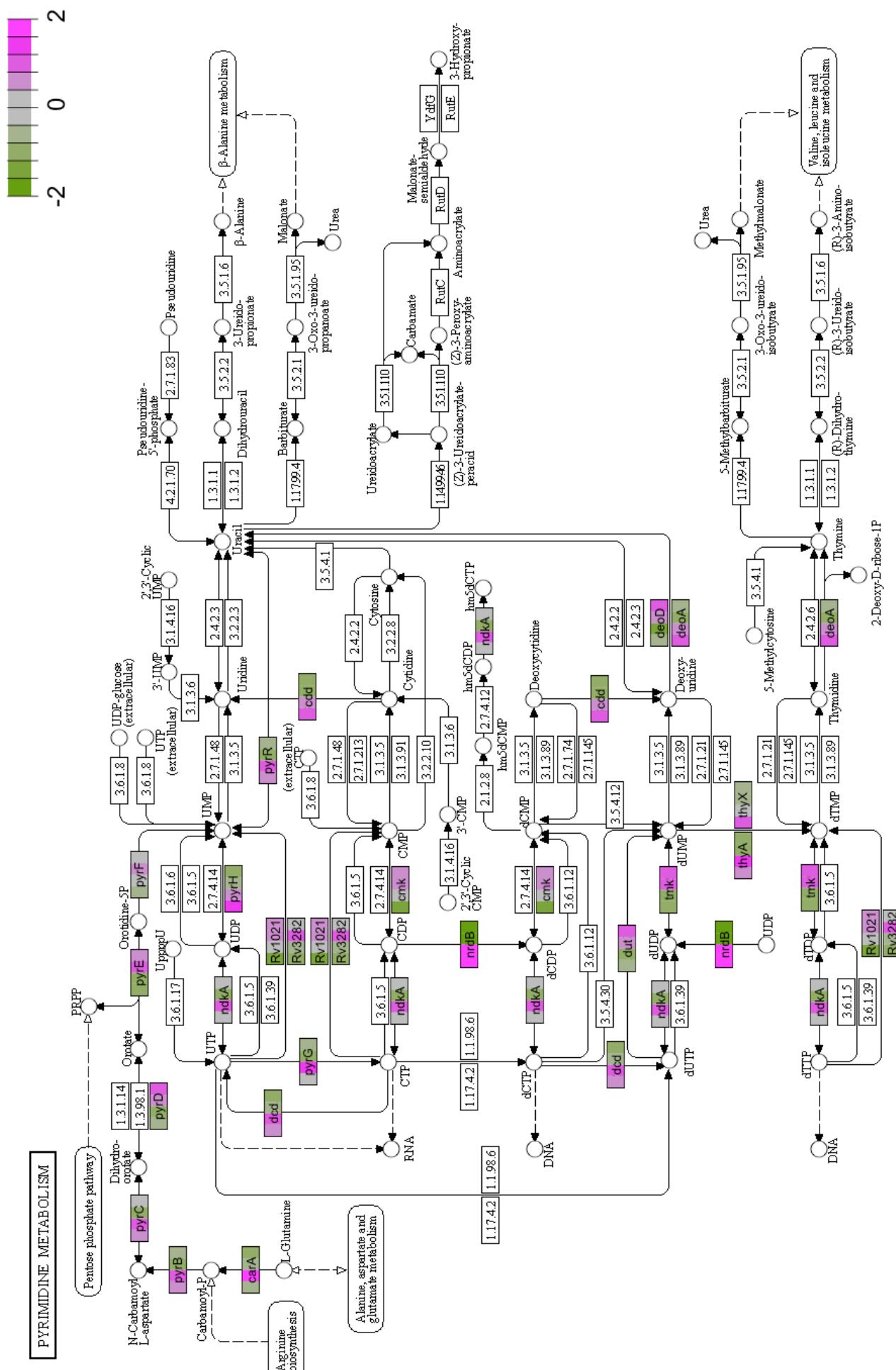
E THER. LIPID METABOLISM



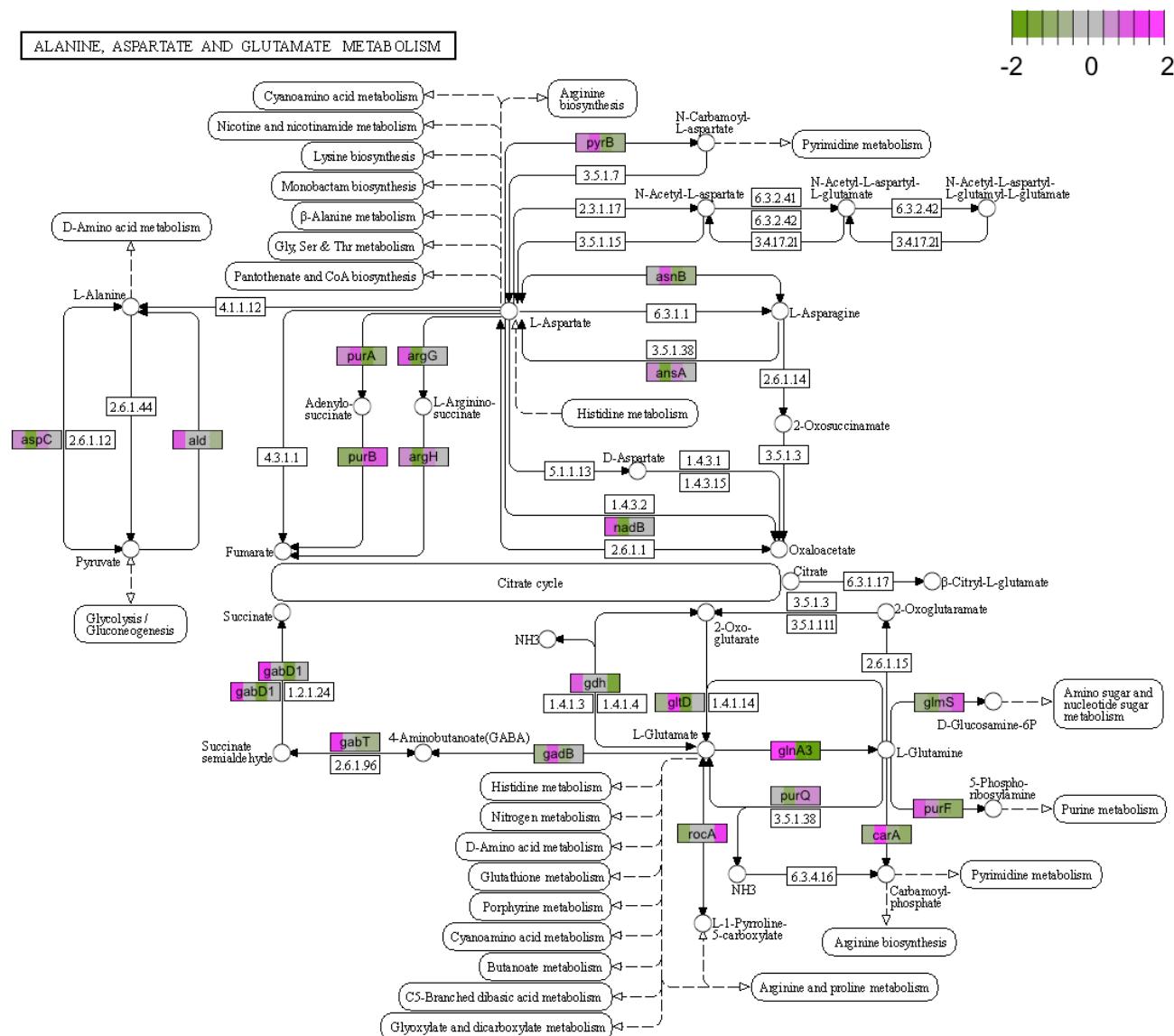


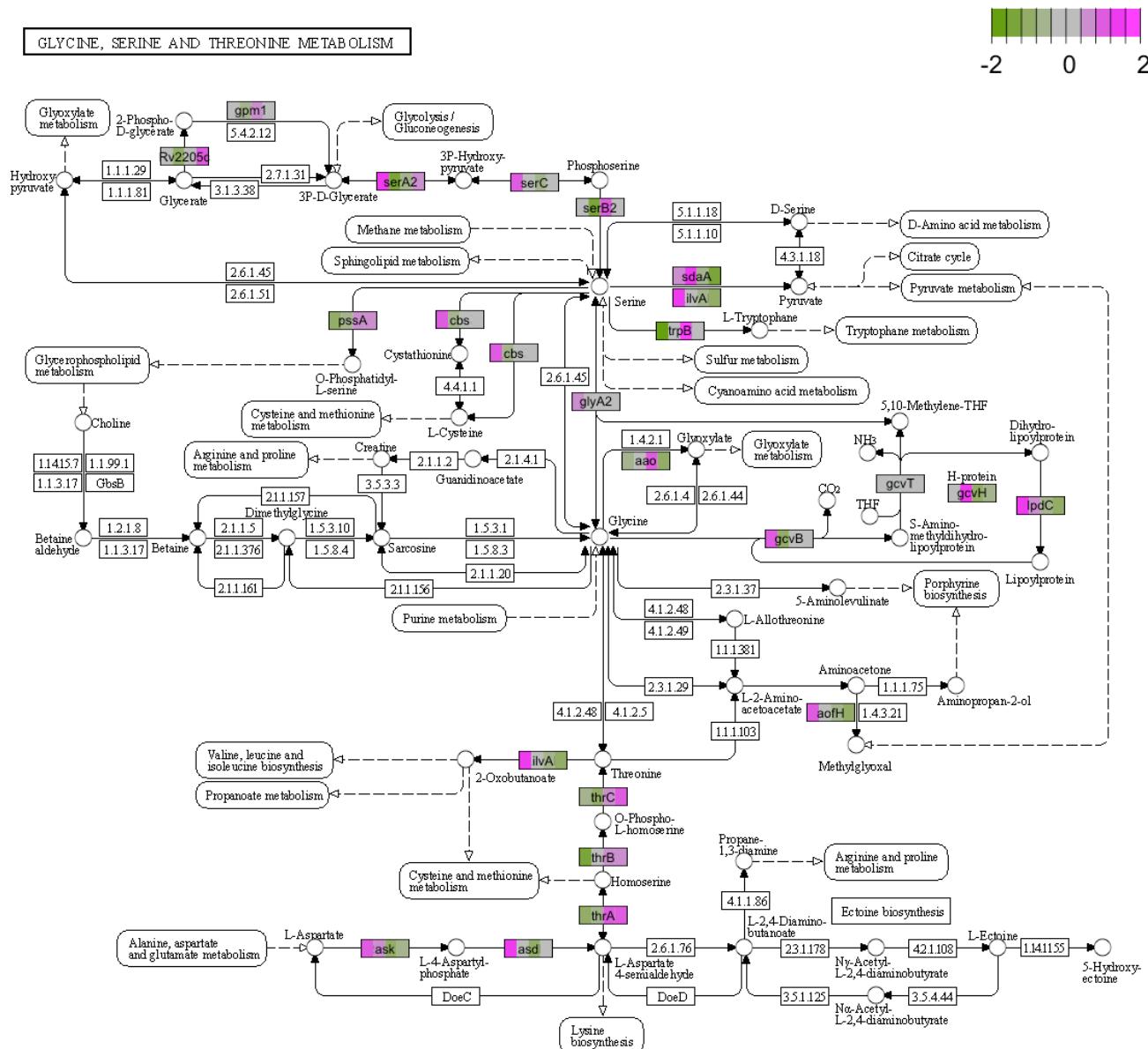
## NUCLEOTIDE METABOLISM

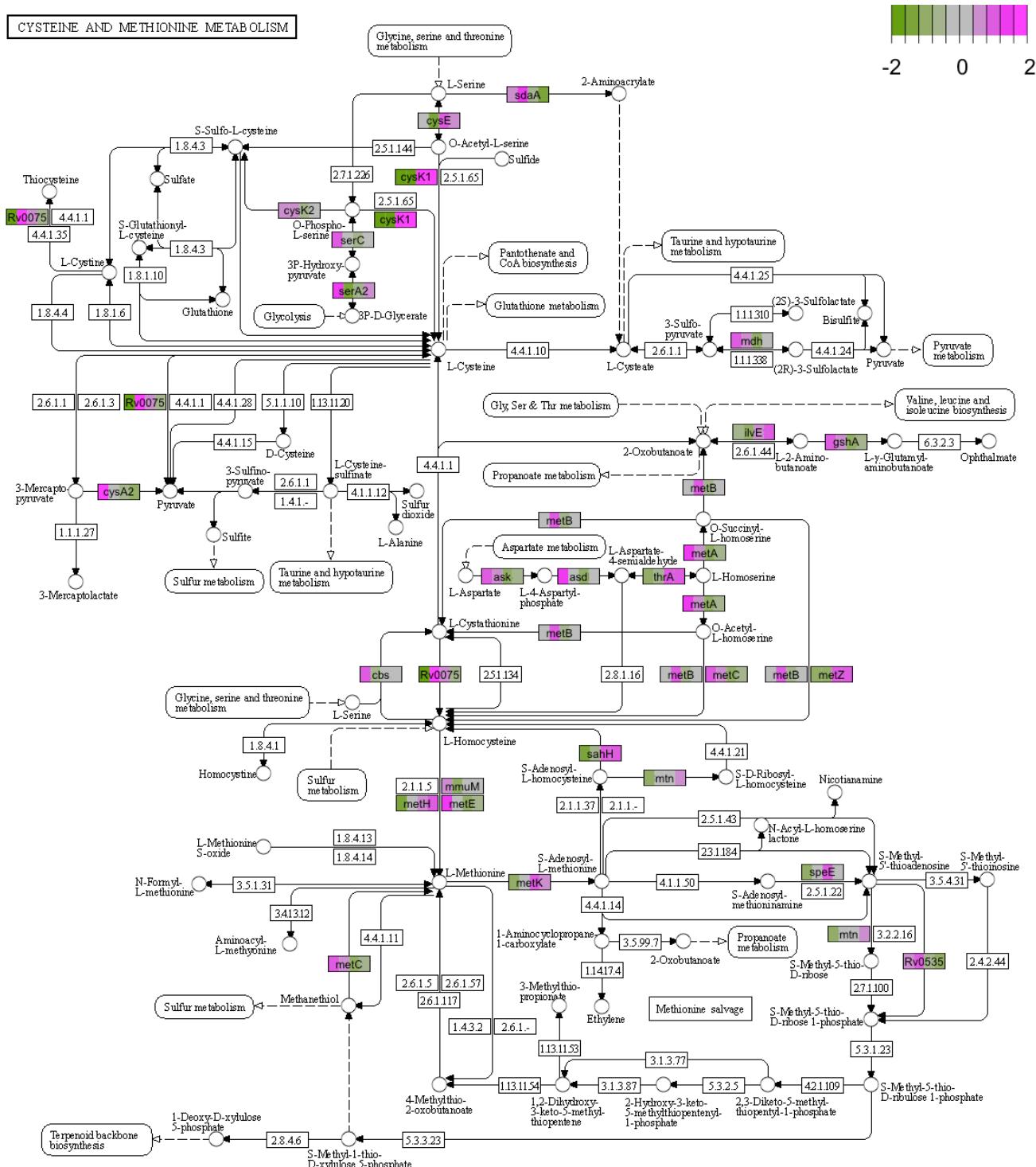


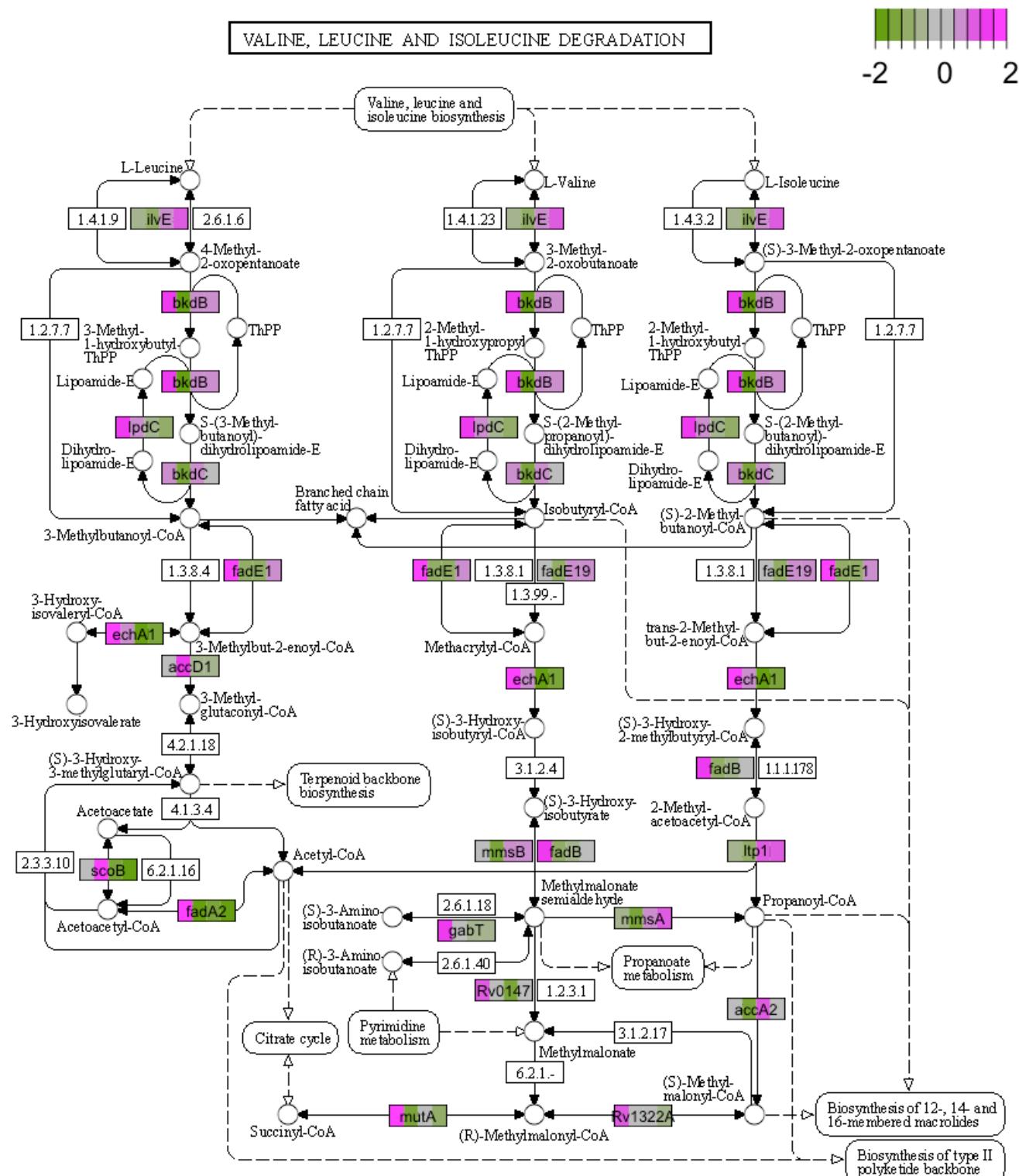


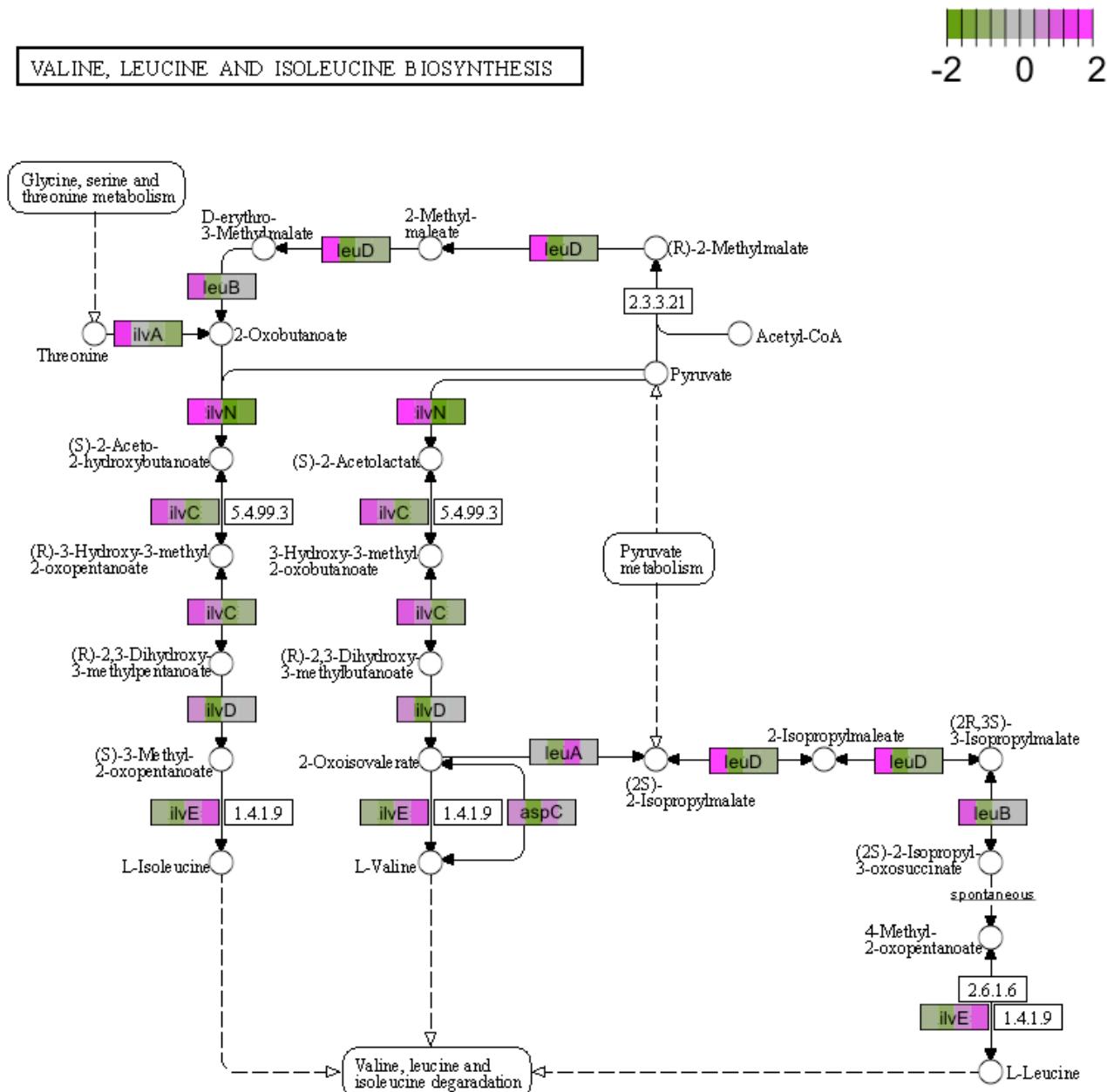
## AMINO ACID METABOLISM

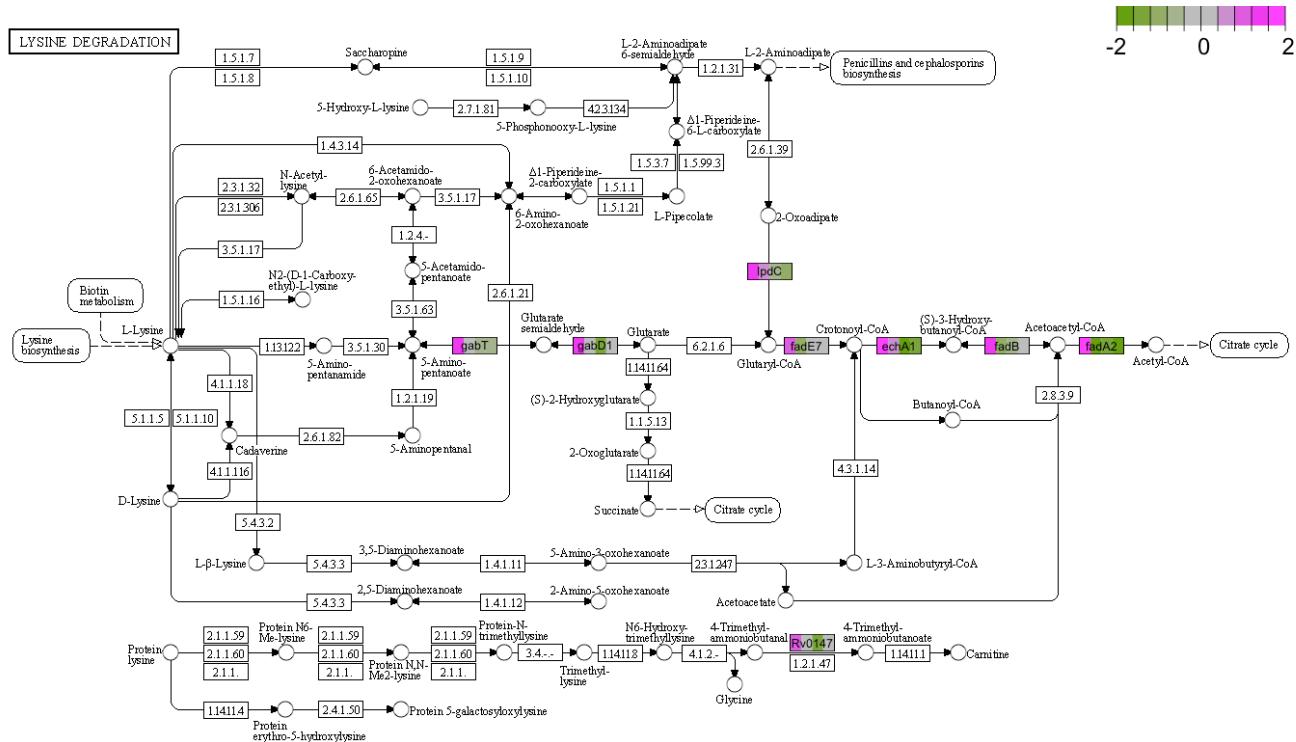
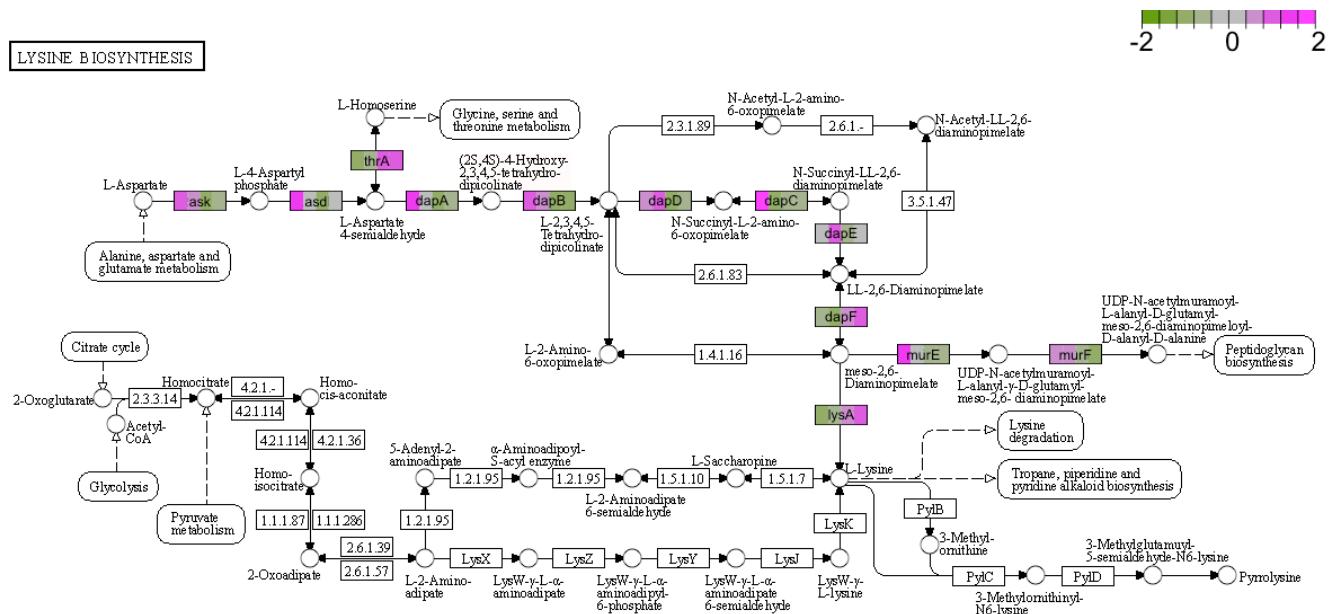


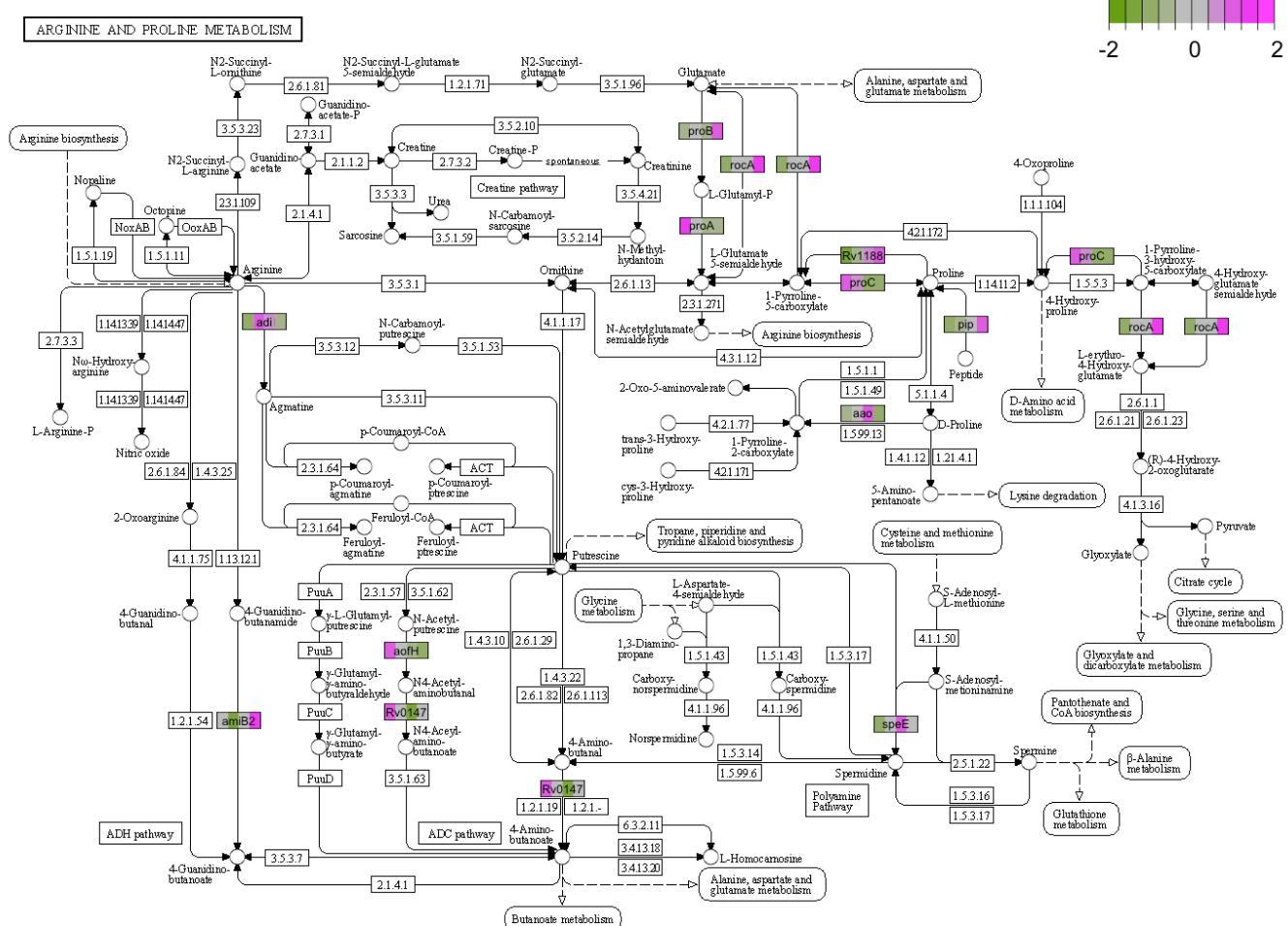
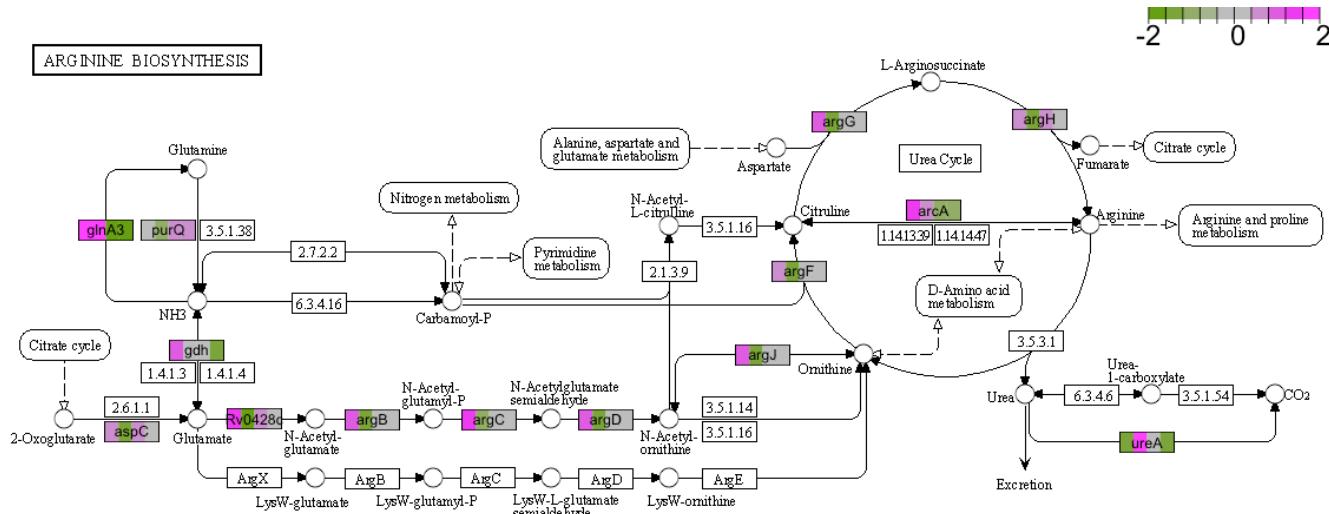


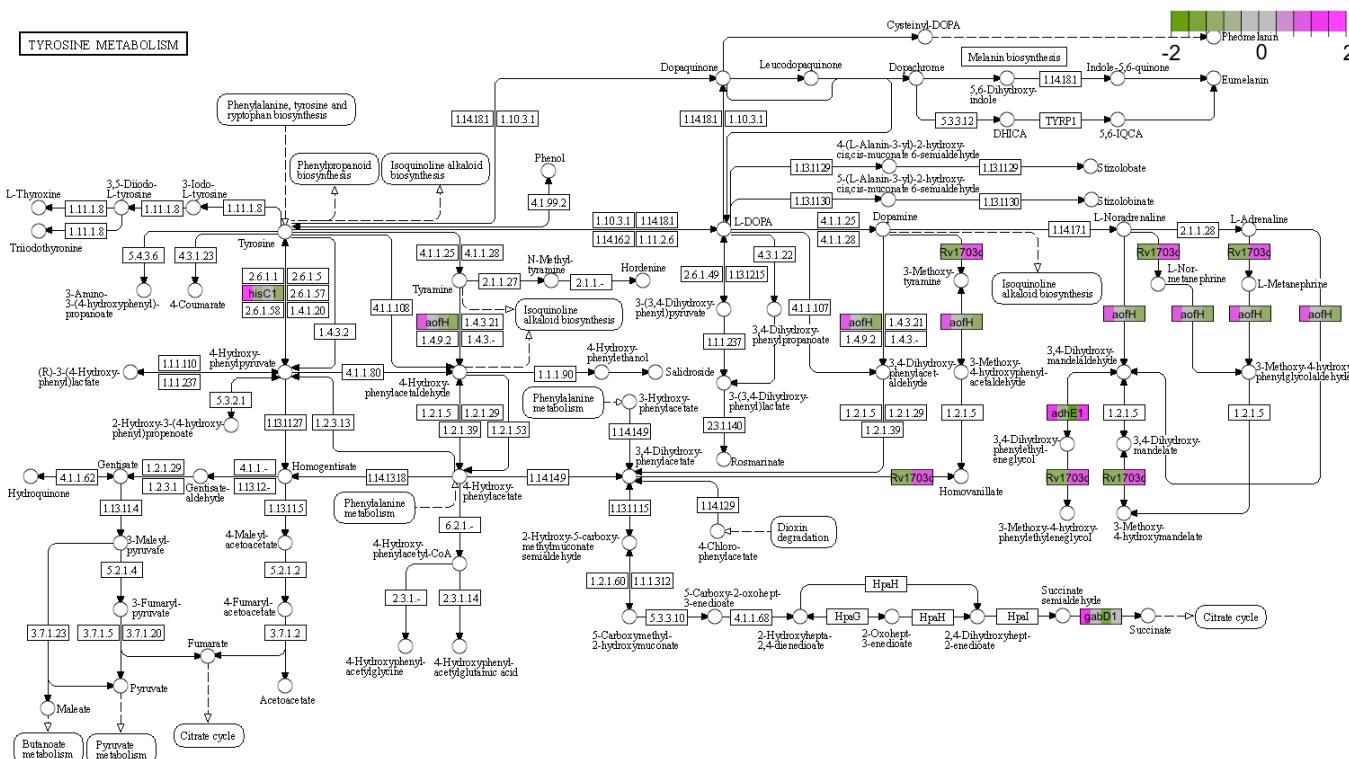
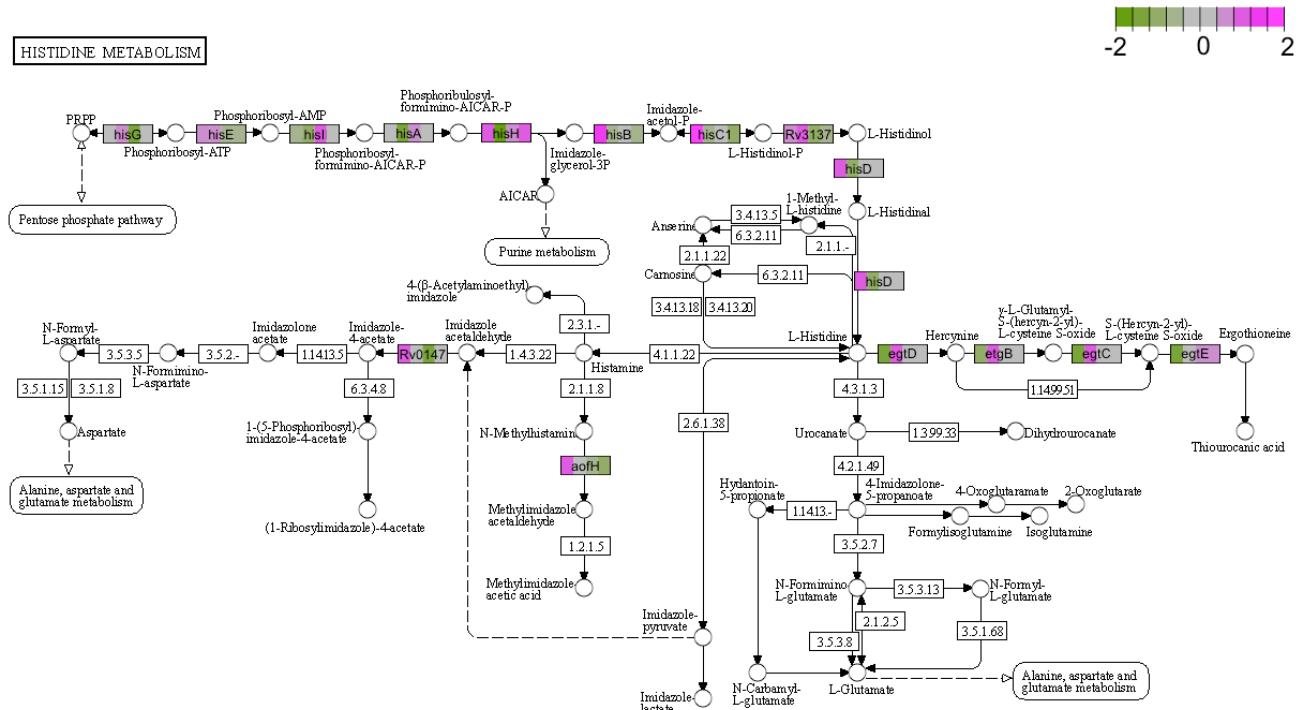


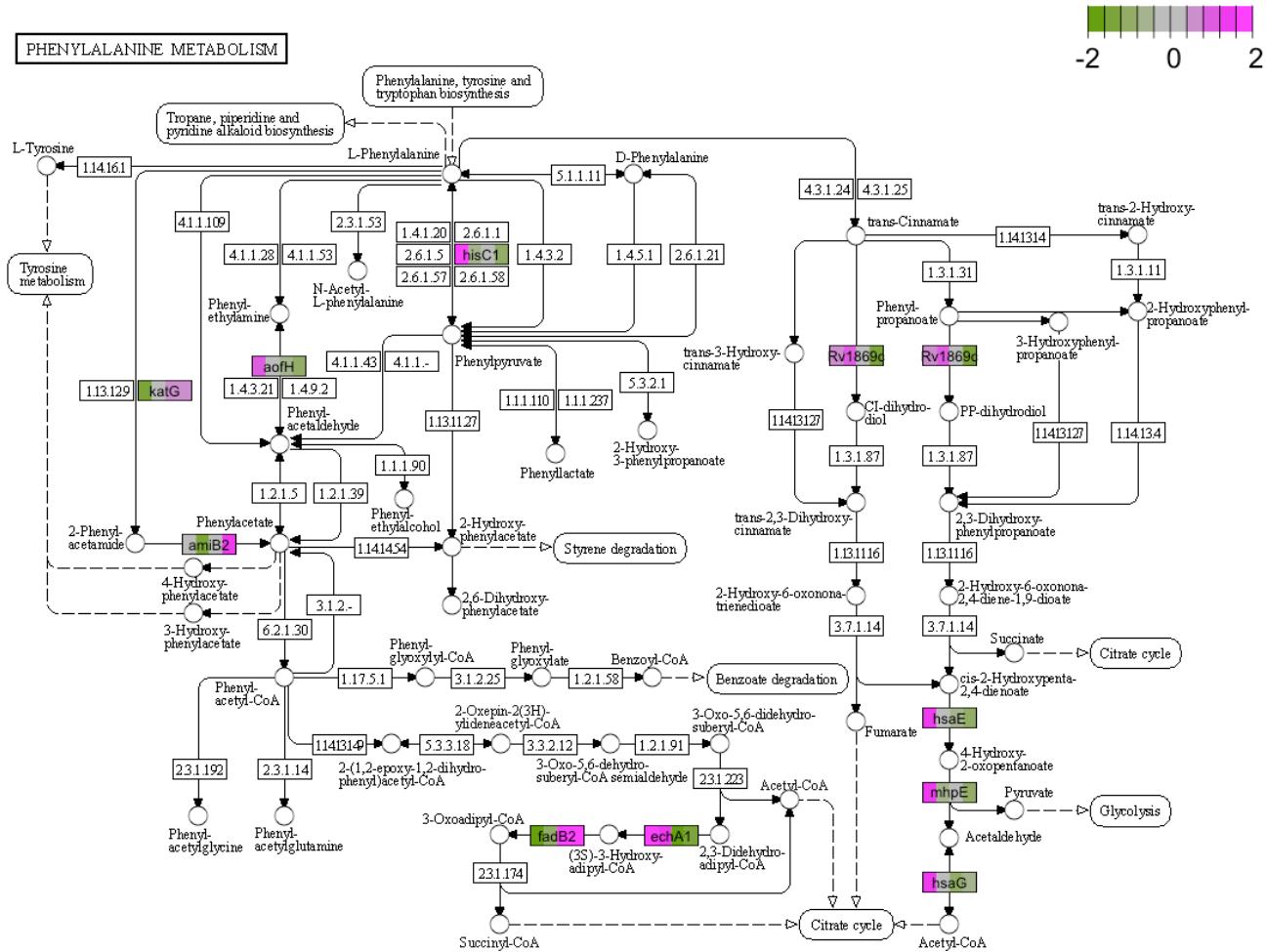


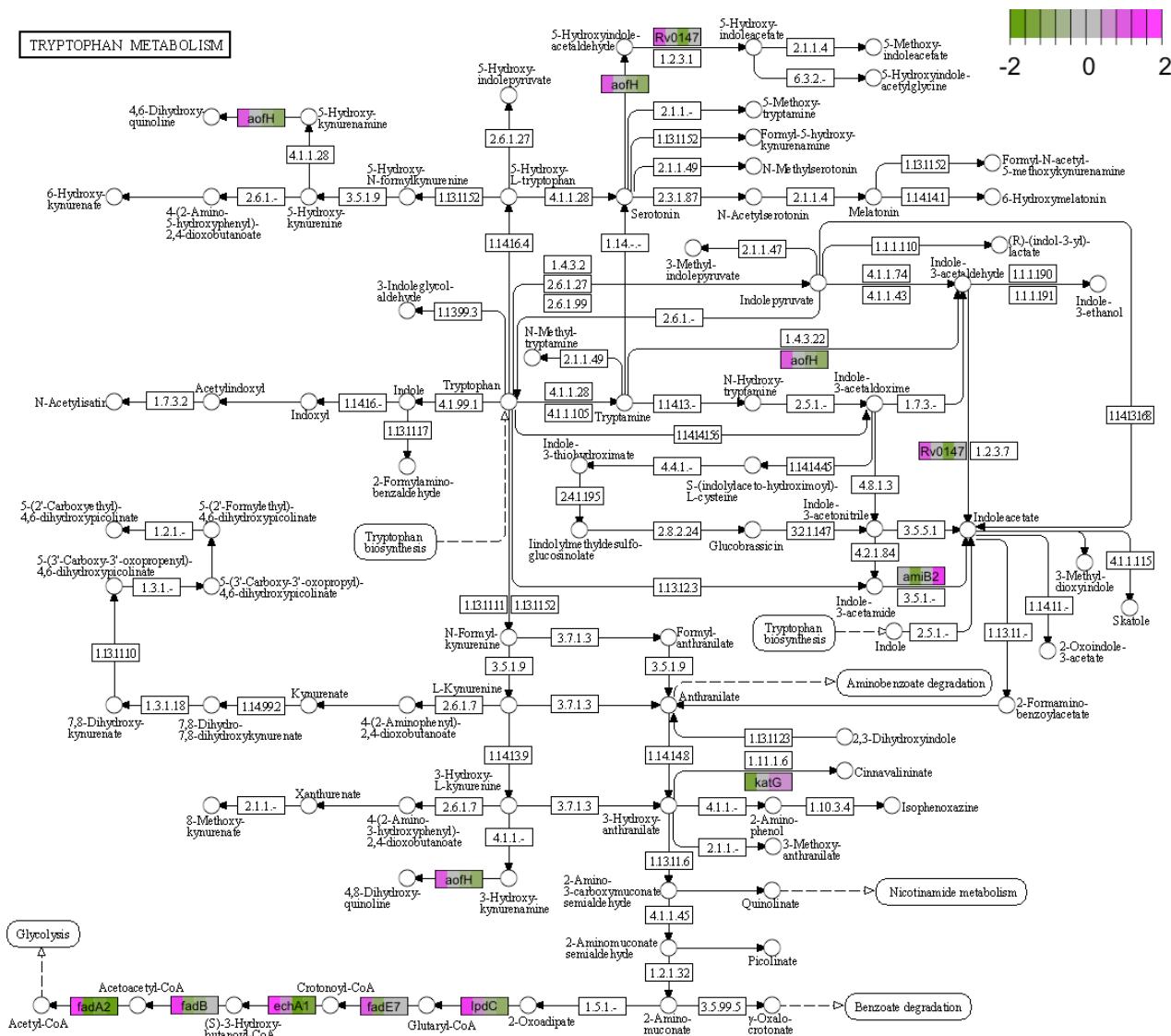


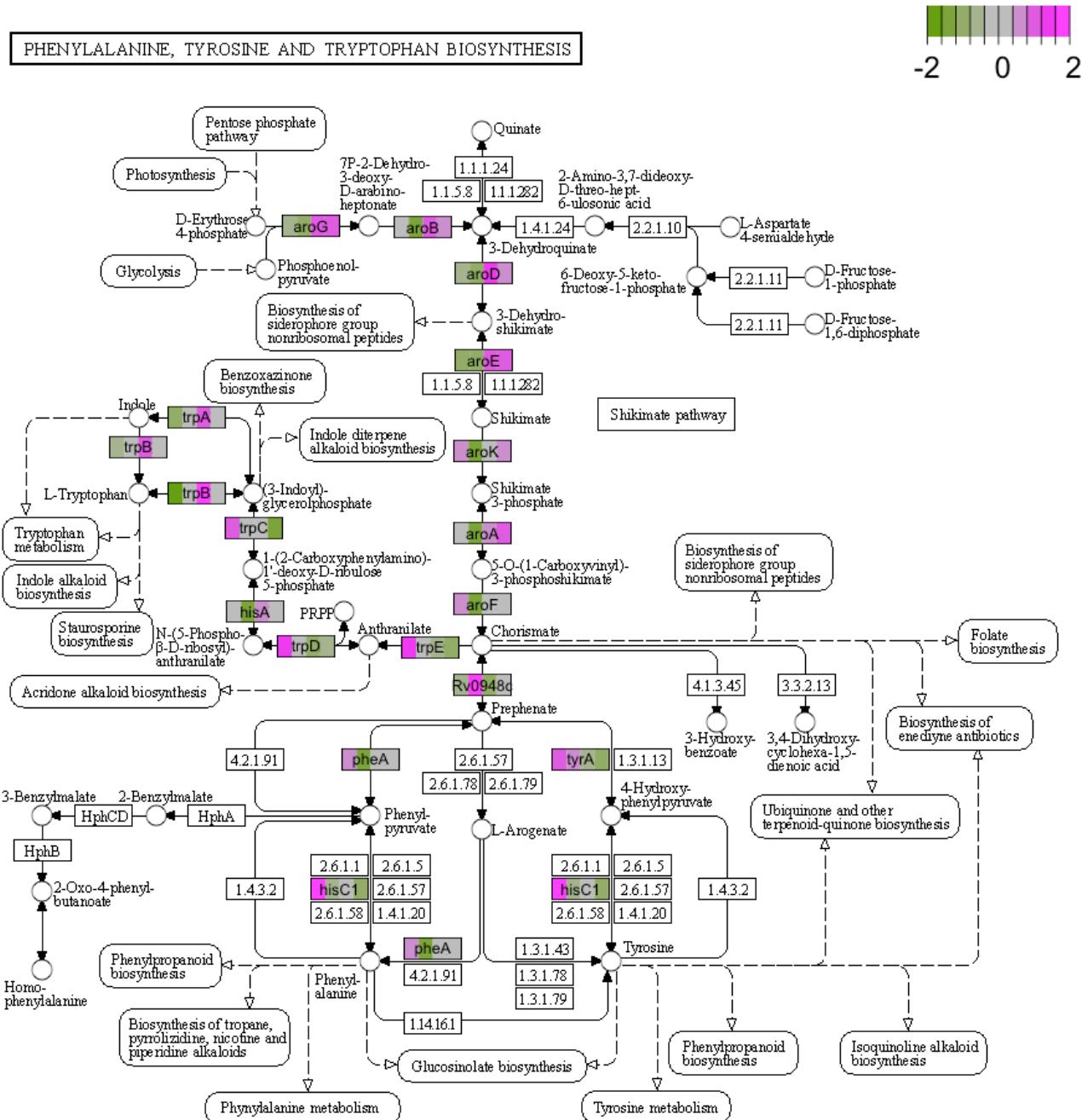


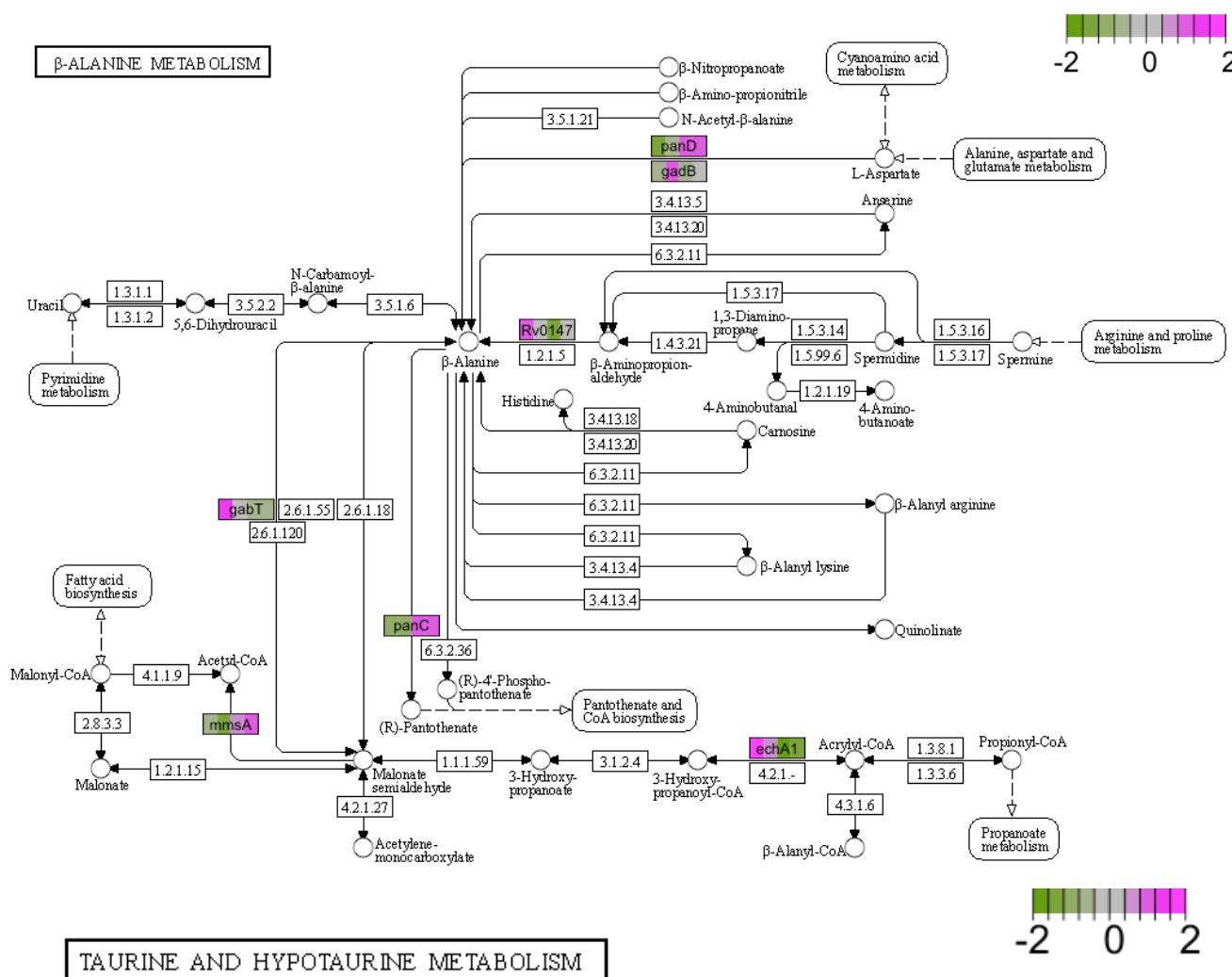






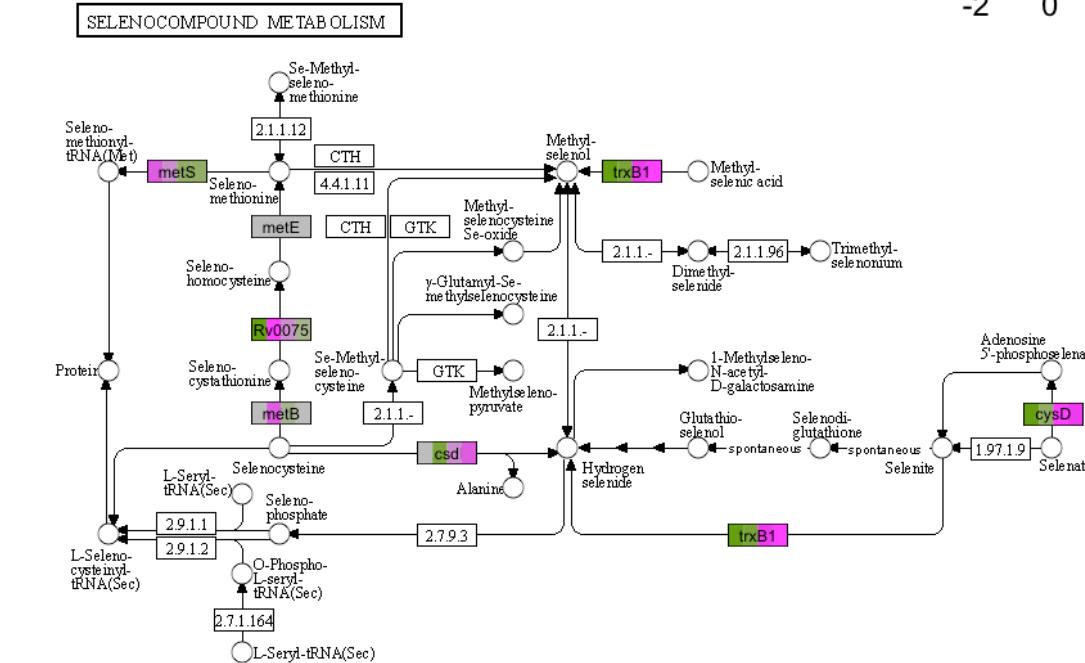
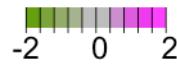






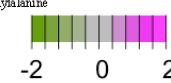
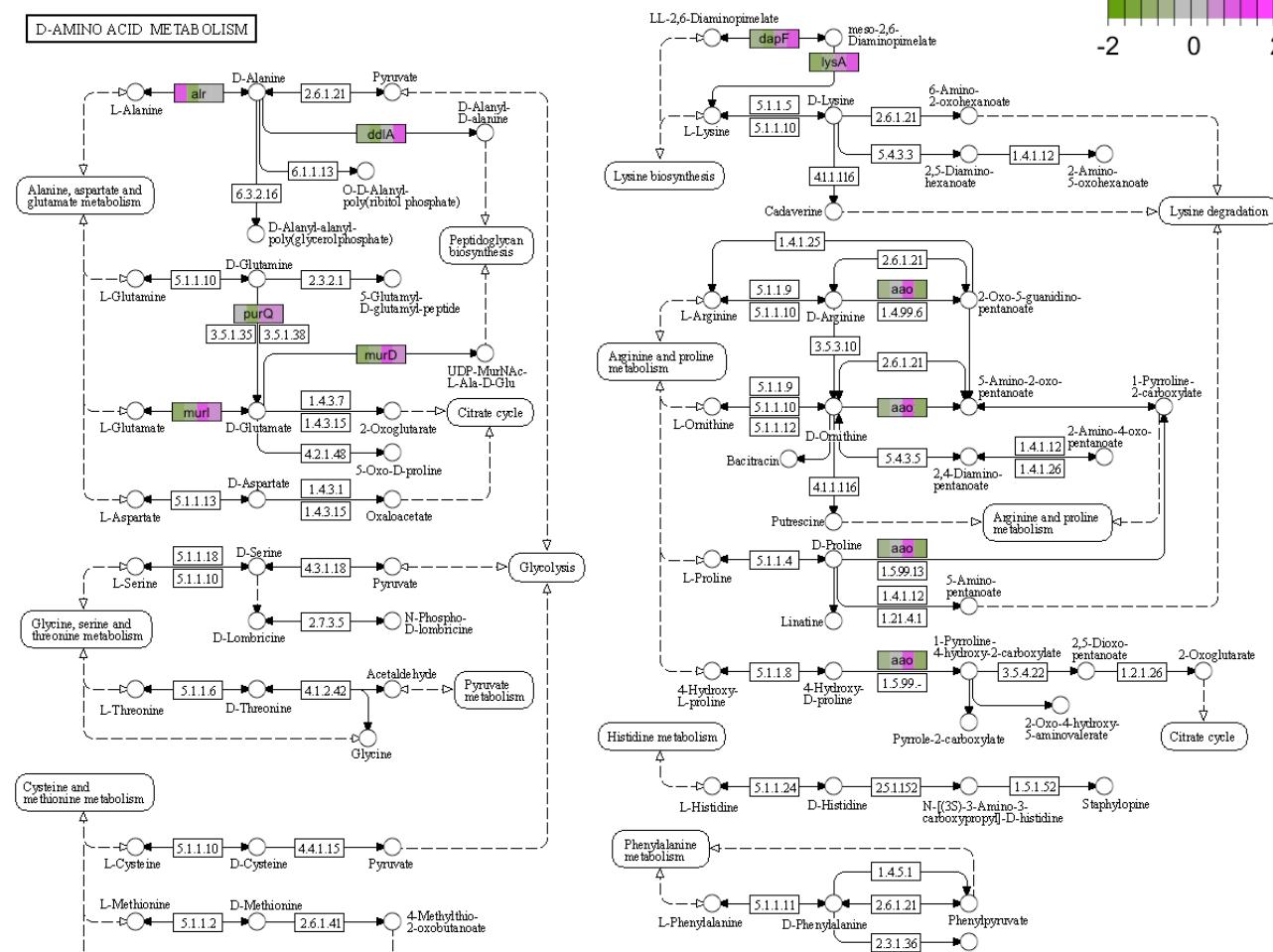
# Transcriptomics of MTB H37Rv

Act|Act\_5ala|Dorm|Dorm\_5ala

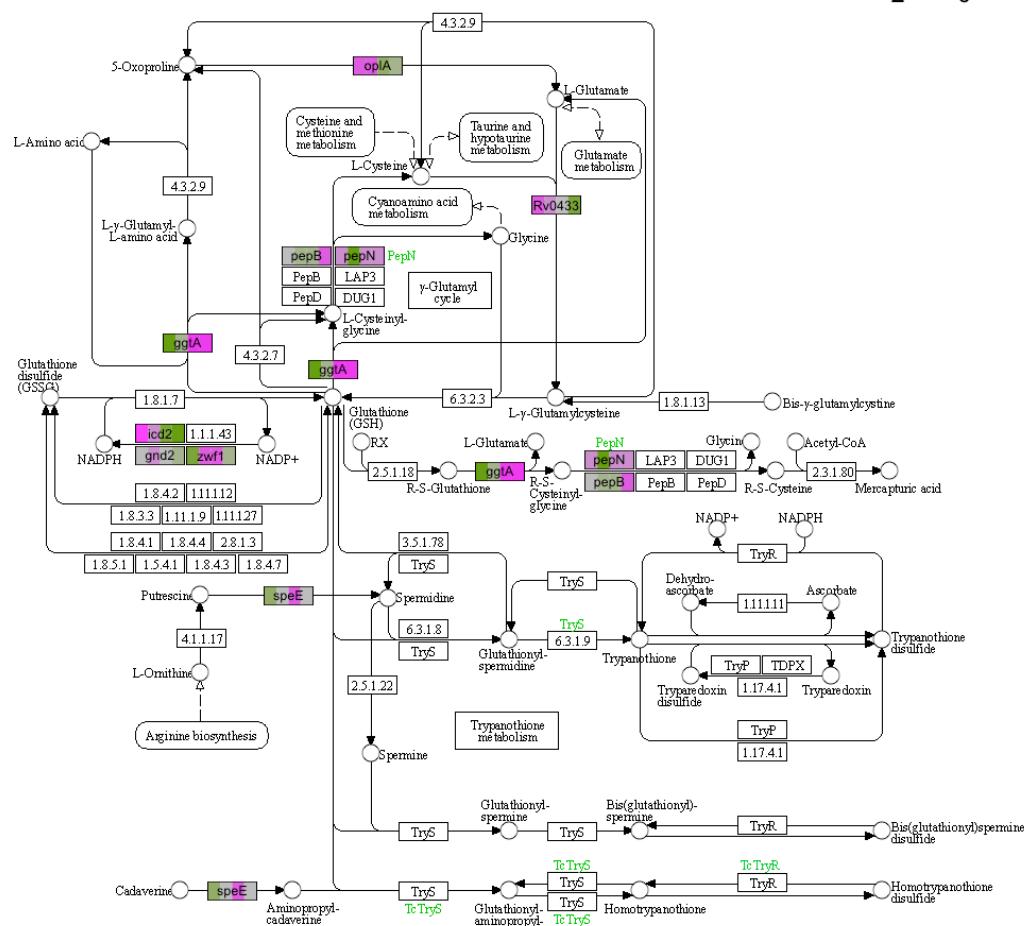


# Transcriptomics of MTB H37Rv

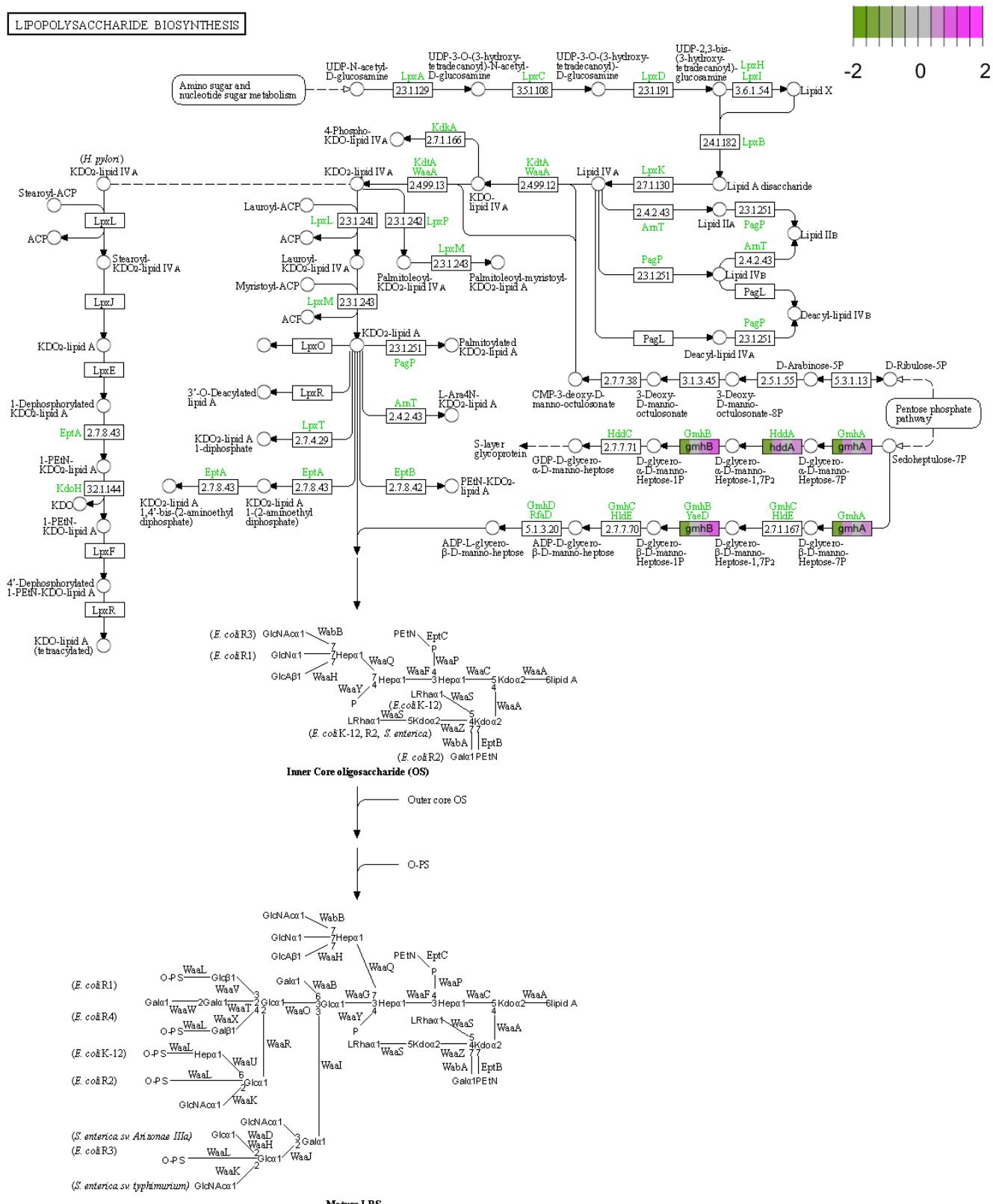
Act|Act 5ala|Dorm|Dorm 5ala

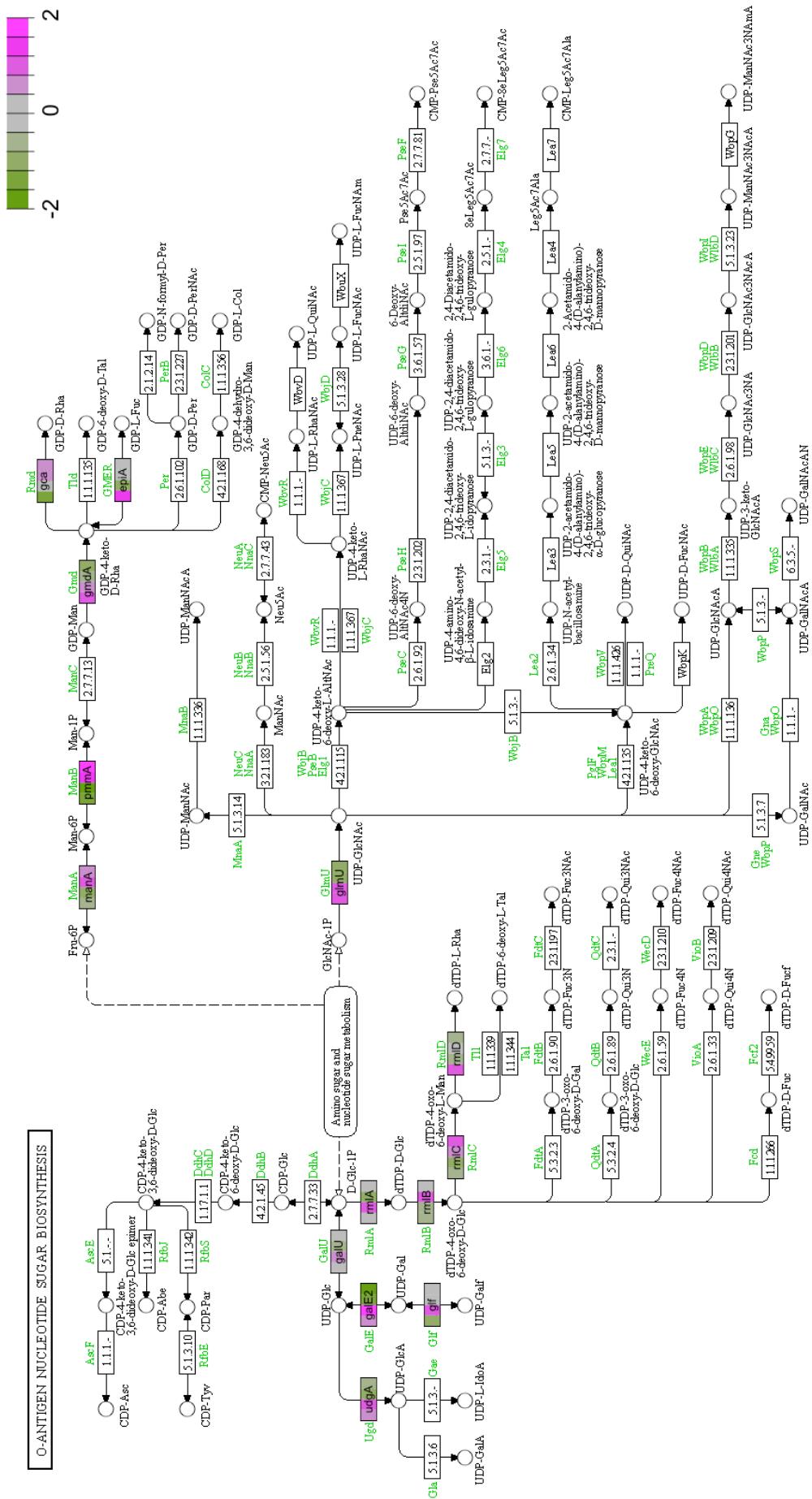


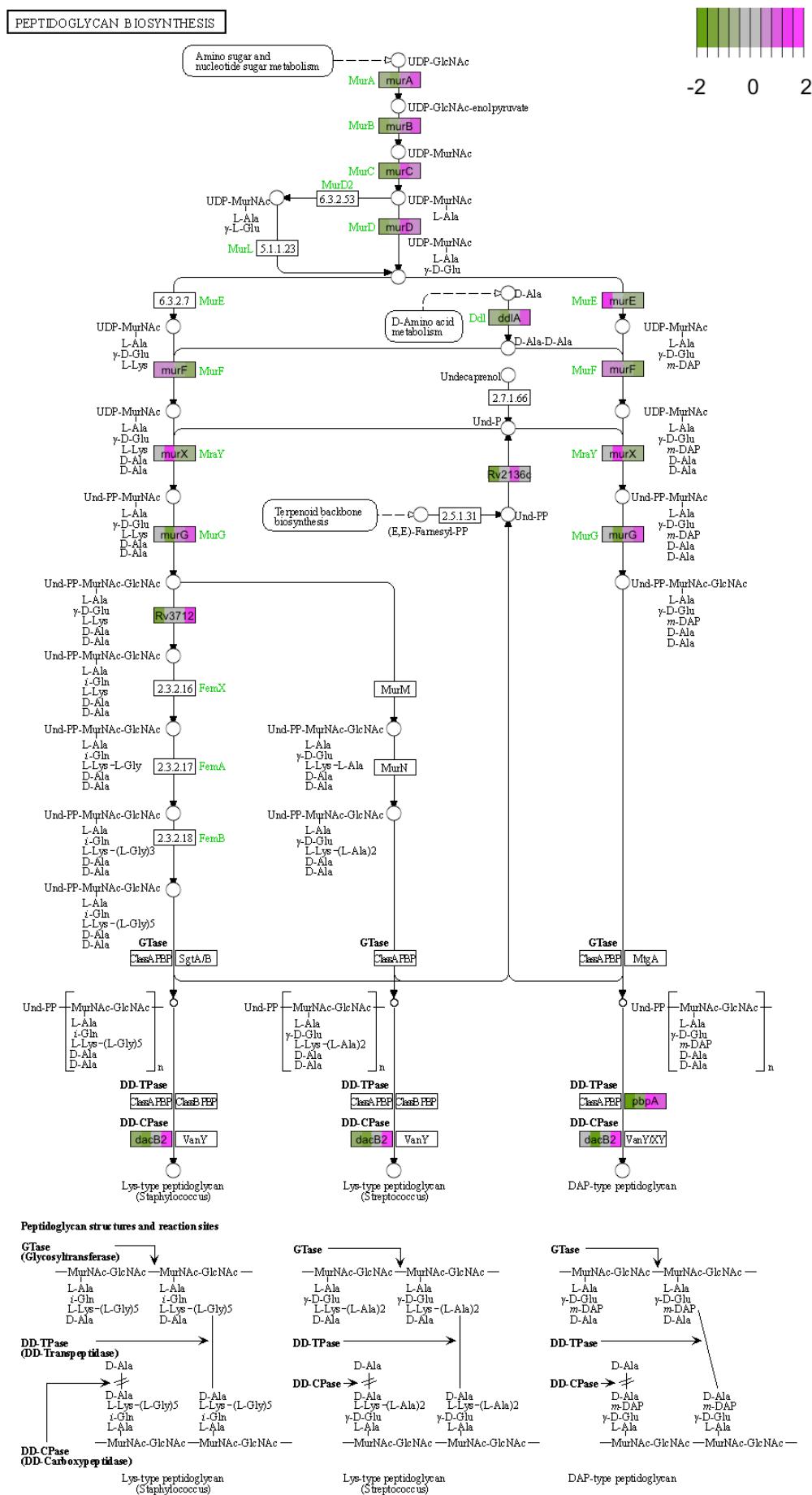
## GLUTATHIONE METABOLISM

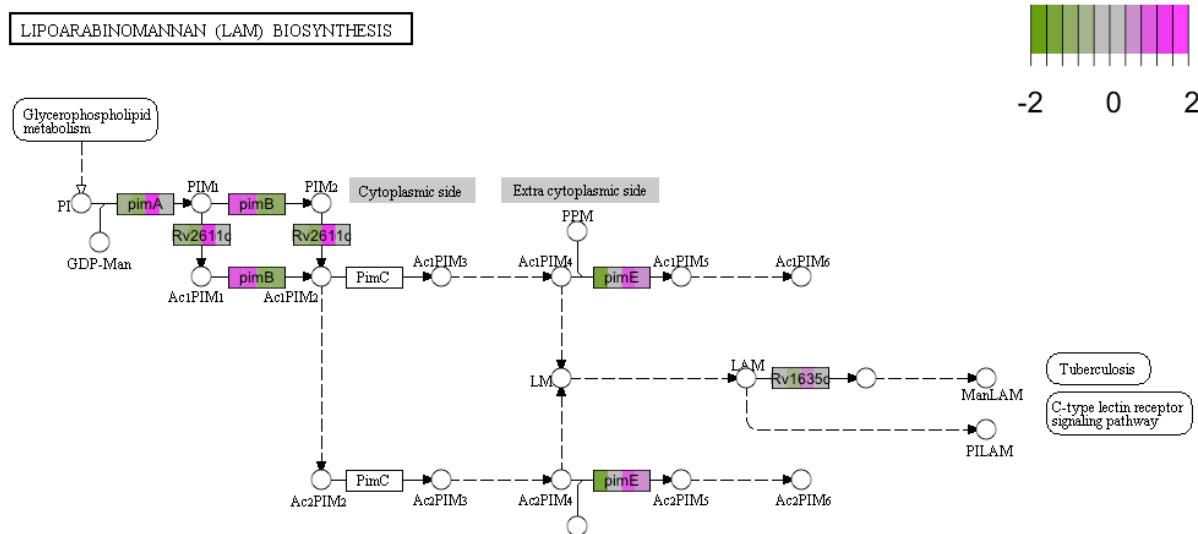


## GLYCAN BIOSYNTHESIS AND METABOLISM

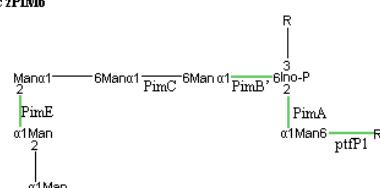




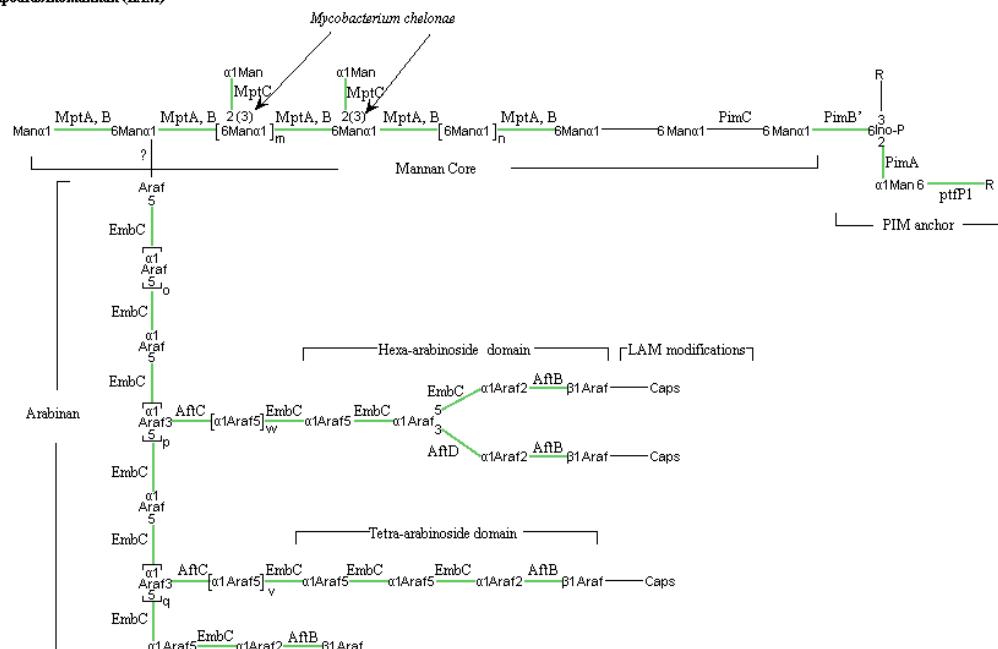




Ac1/Ac2PIM6



Lipoarabinomannan (LAM)



Mannose caps of ManLAM



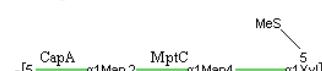
Phospho-myoinositol cap of PILAM

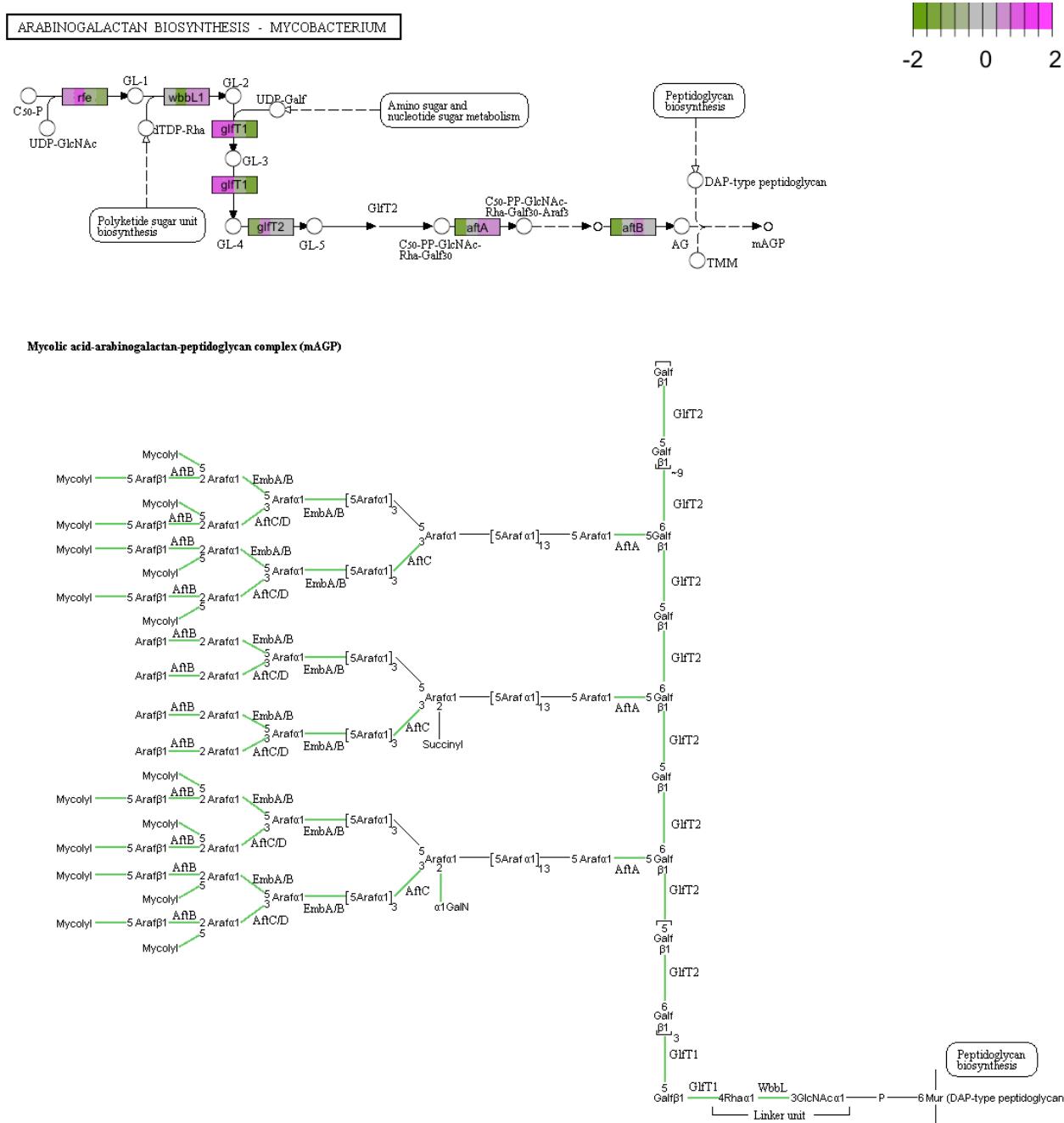


No cap of AraLAM

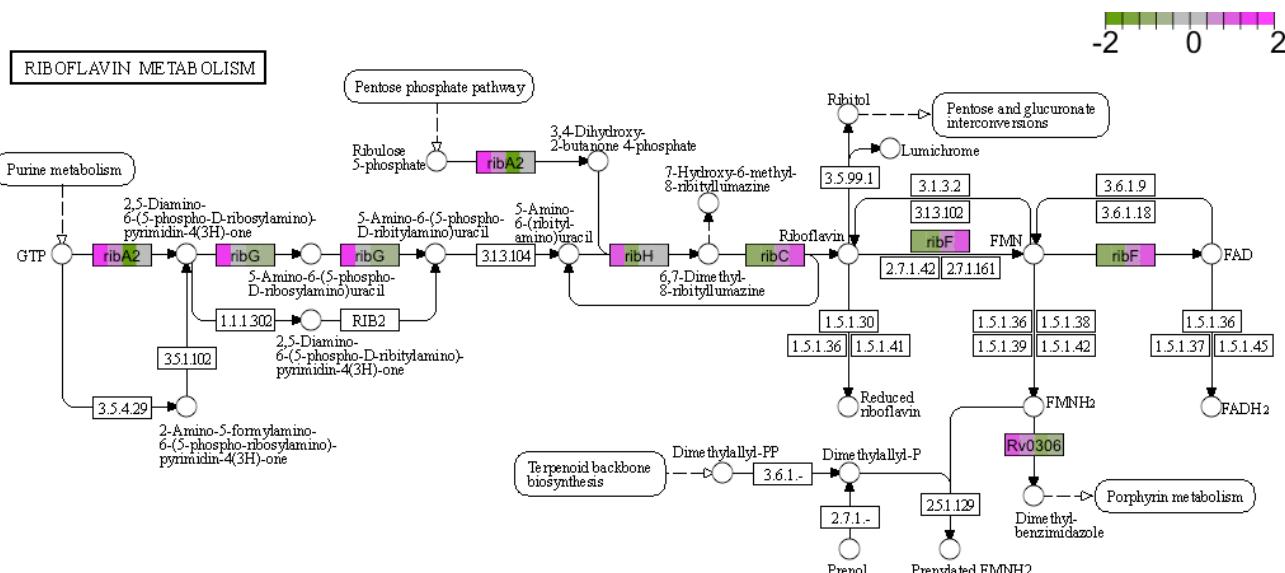
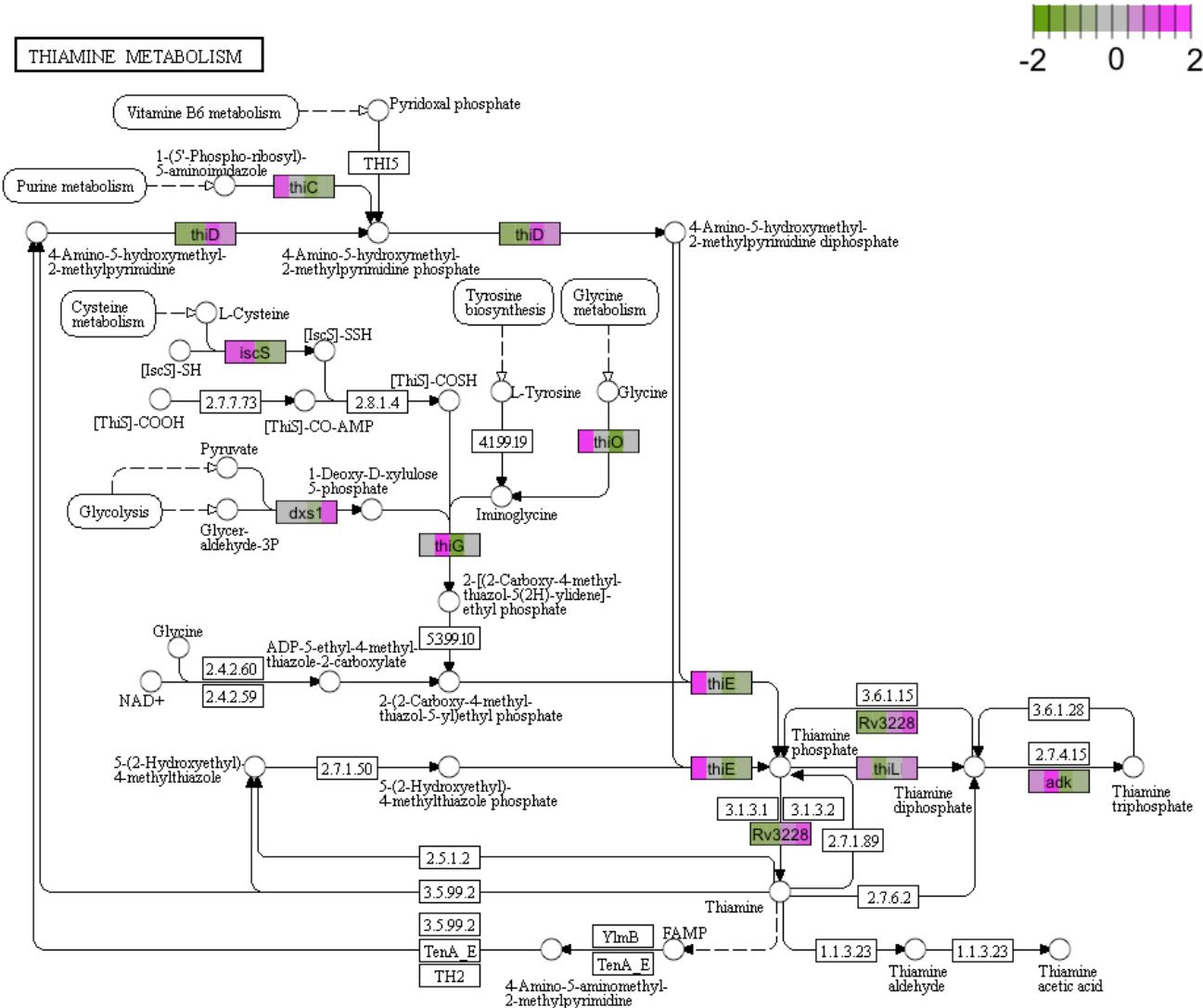


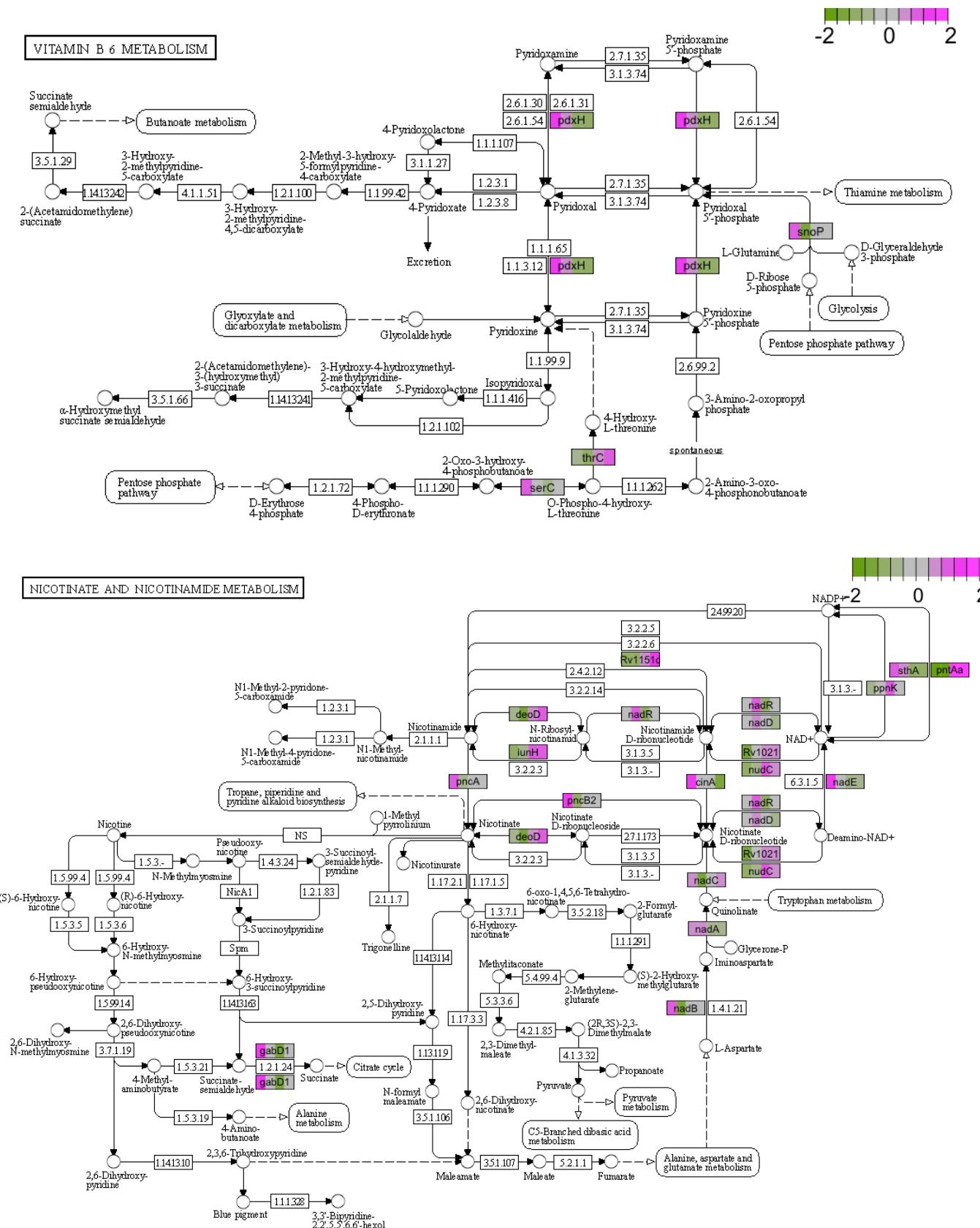
MTX cap of ManLAM

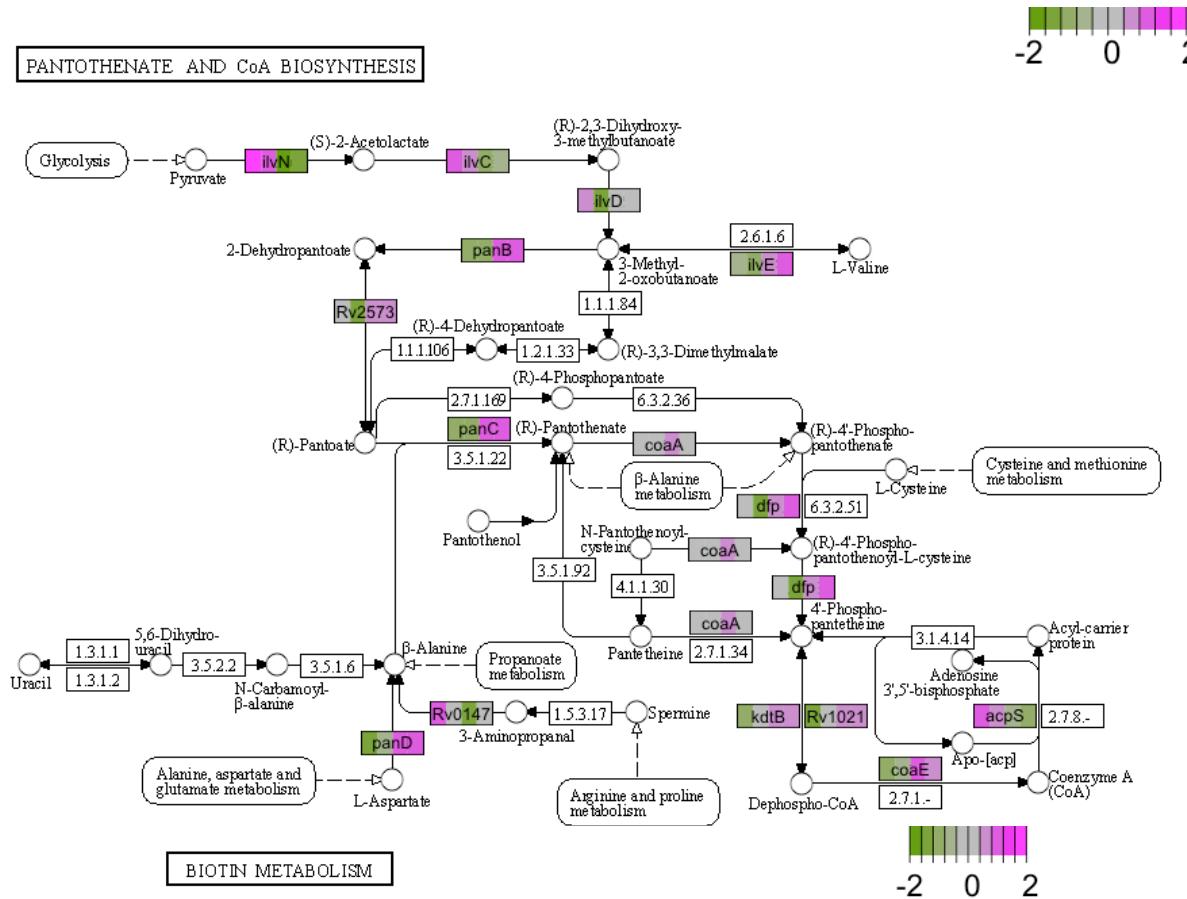
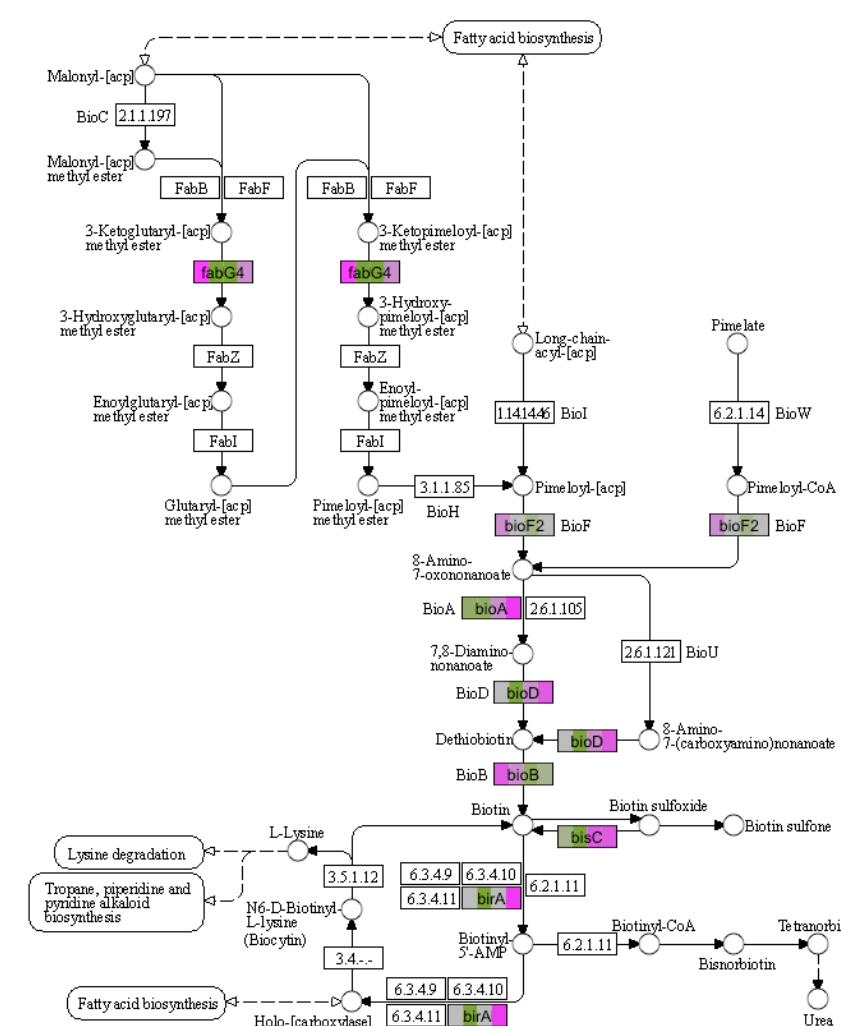


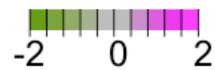


## METABOLISM OF COFACTORS AND VITAMINS

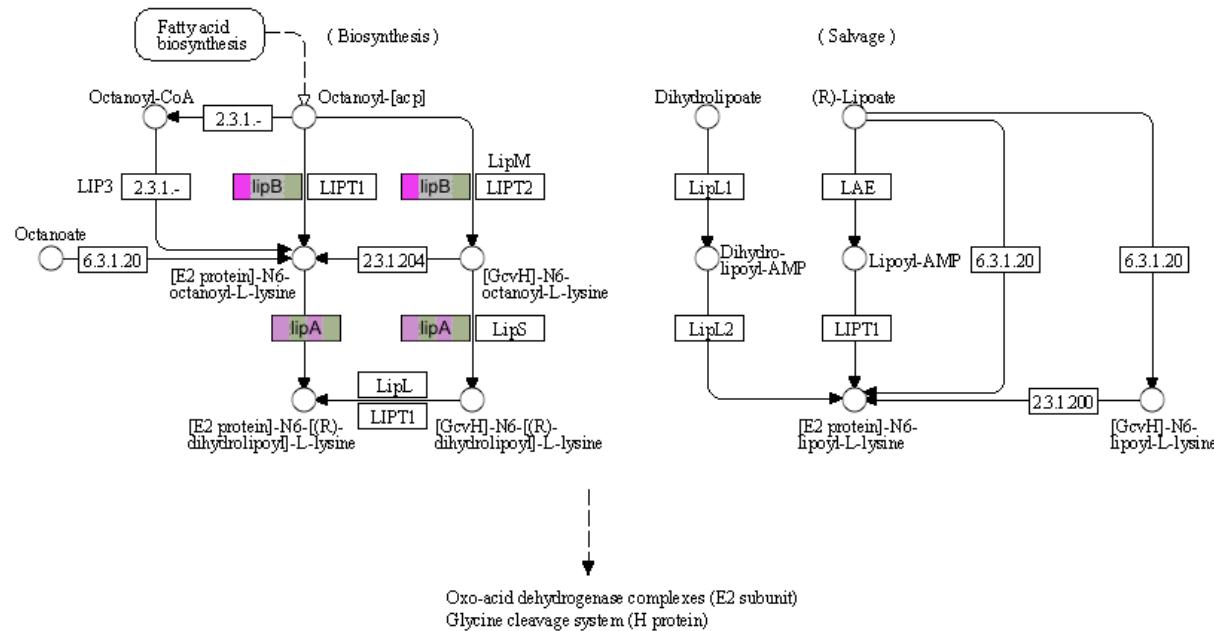




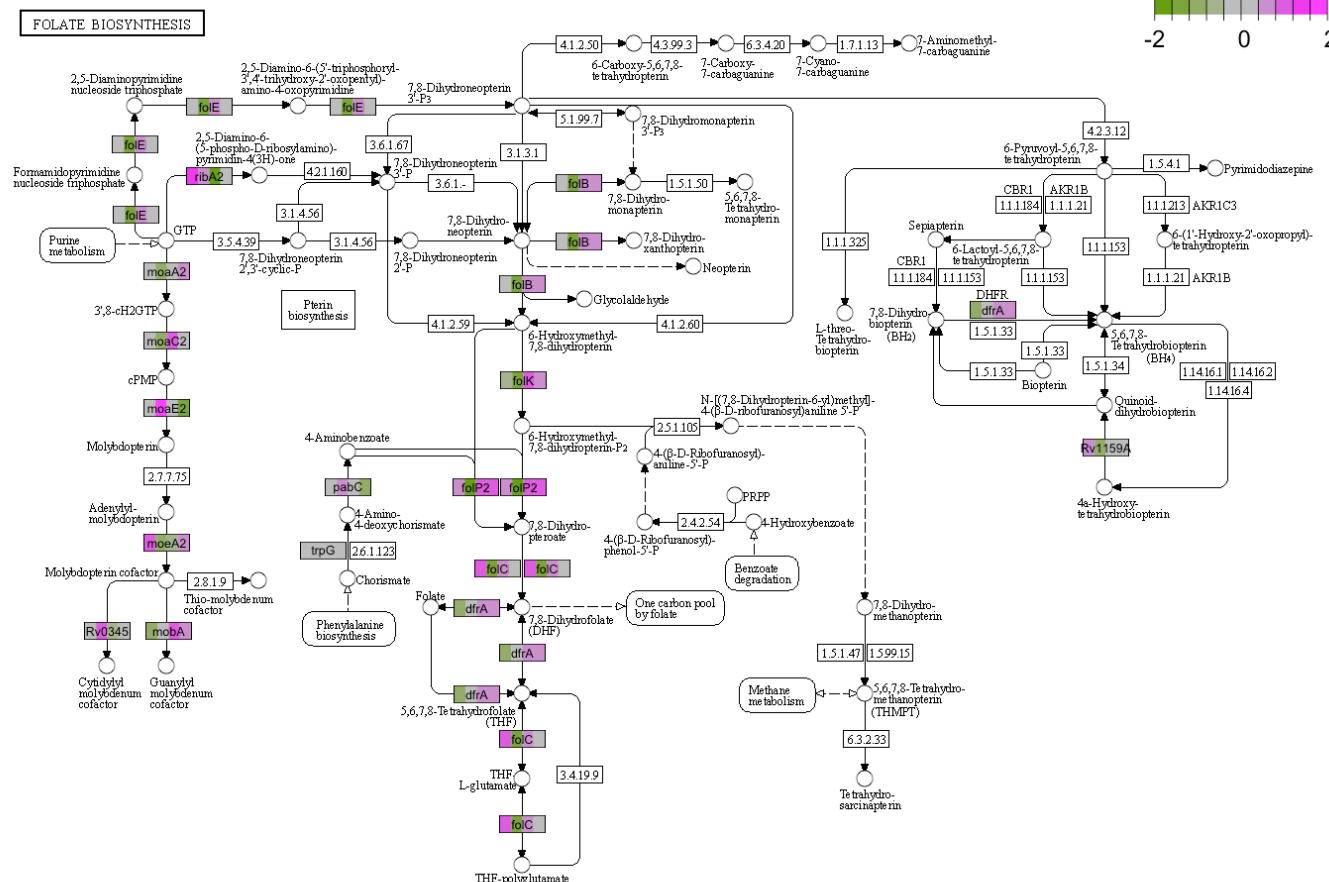
**BIOTIN METABOLISM**

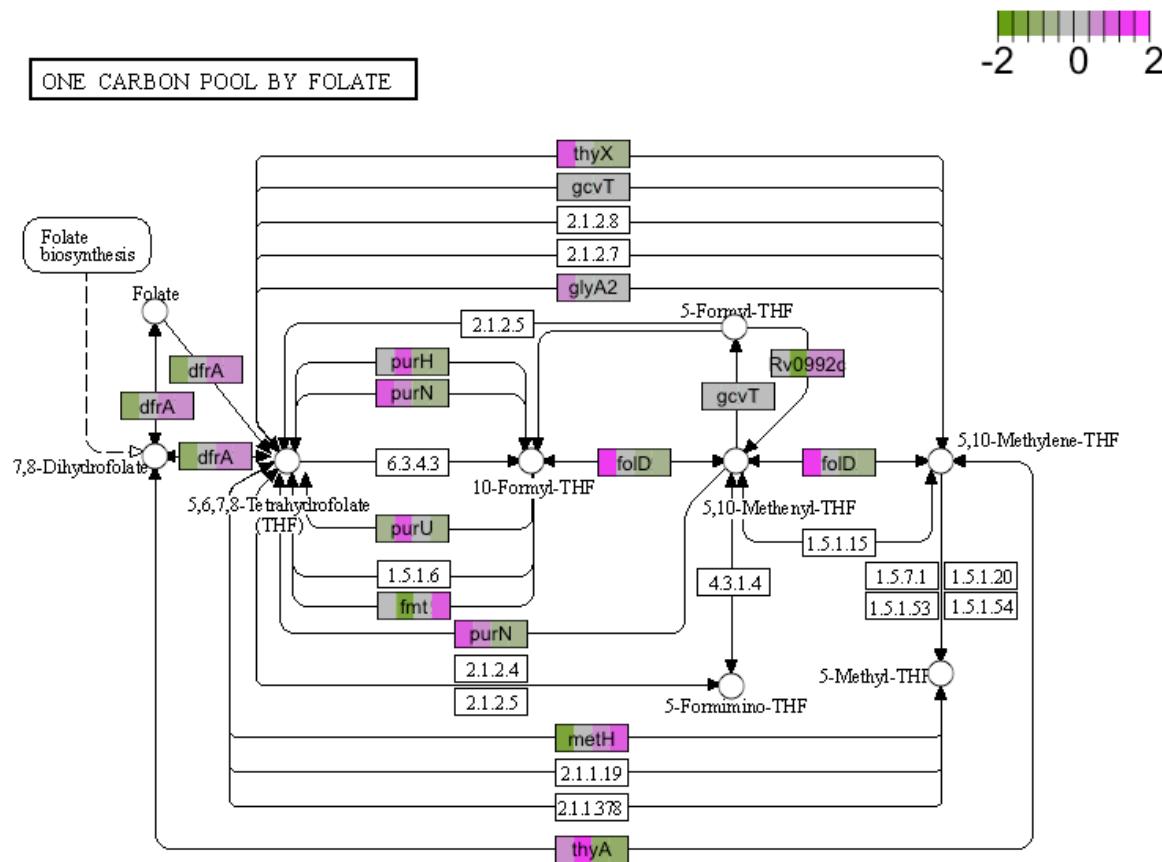


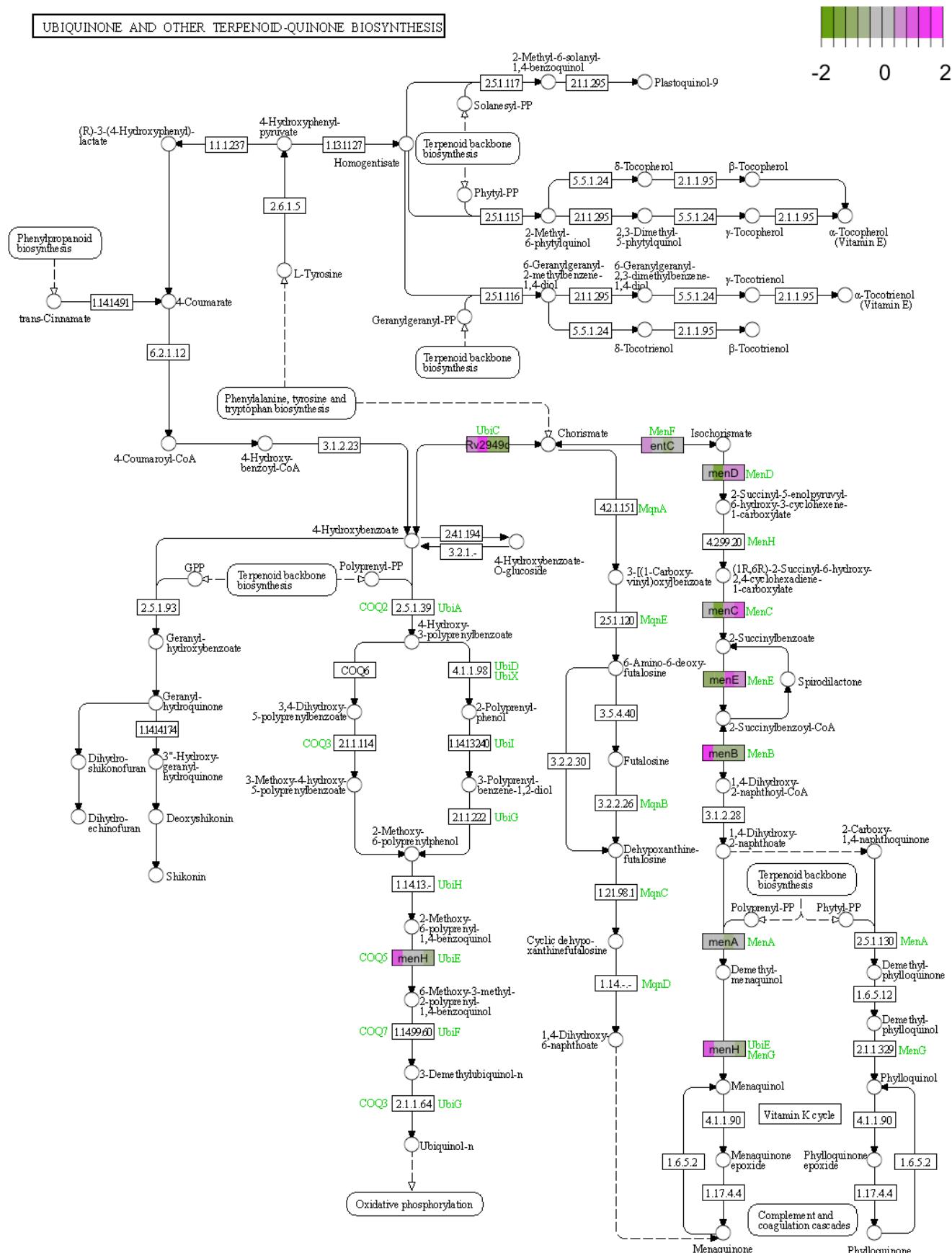
### LIPOIC ACID METABOLISM

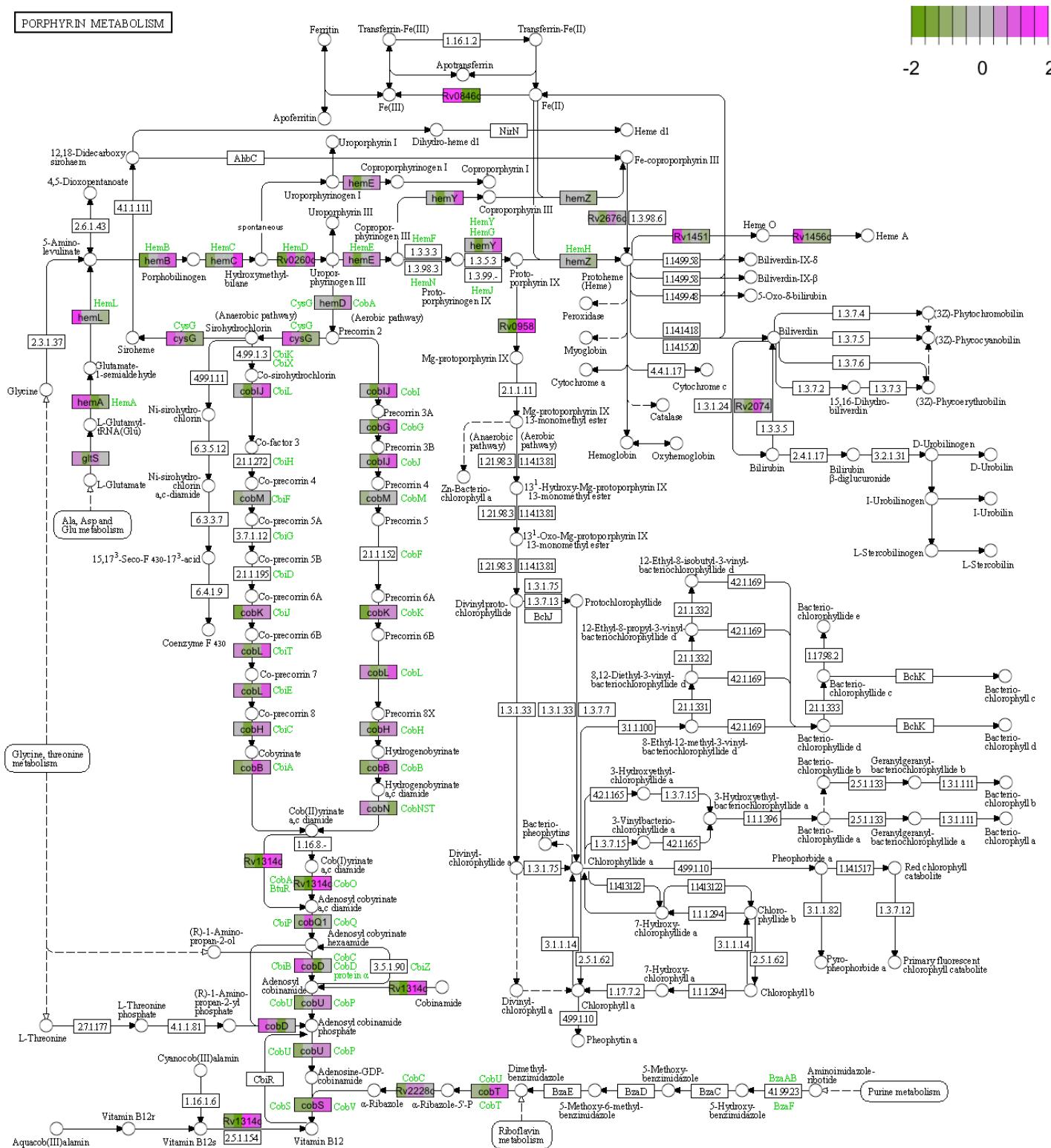


### FOLATE BIOSYNTHESIS

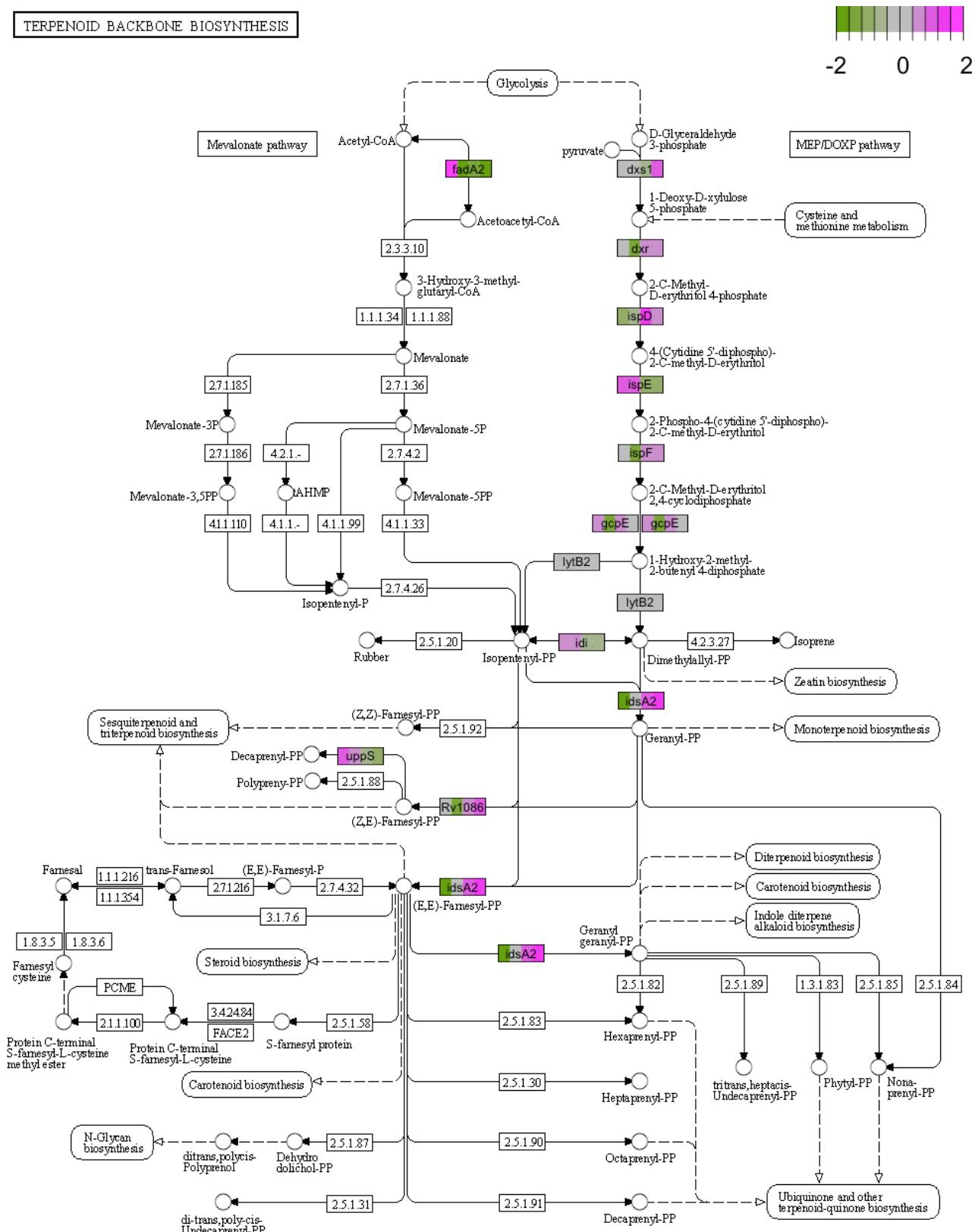






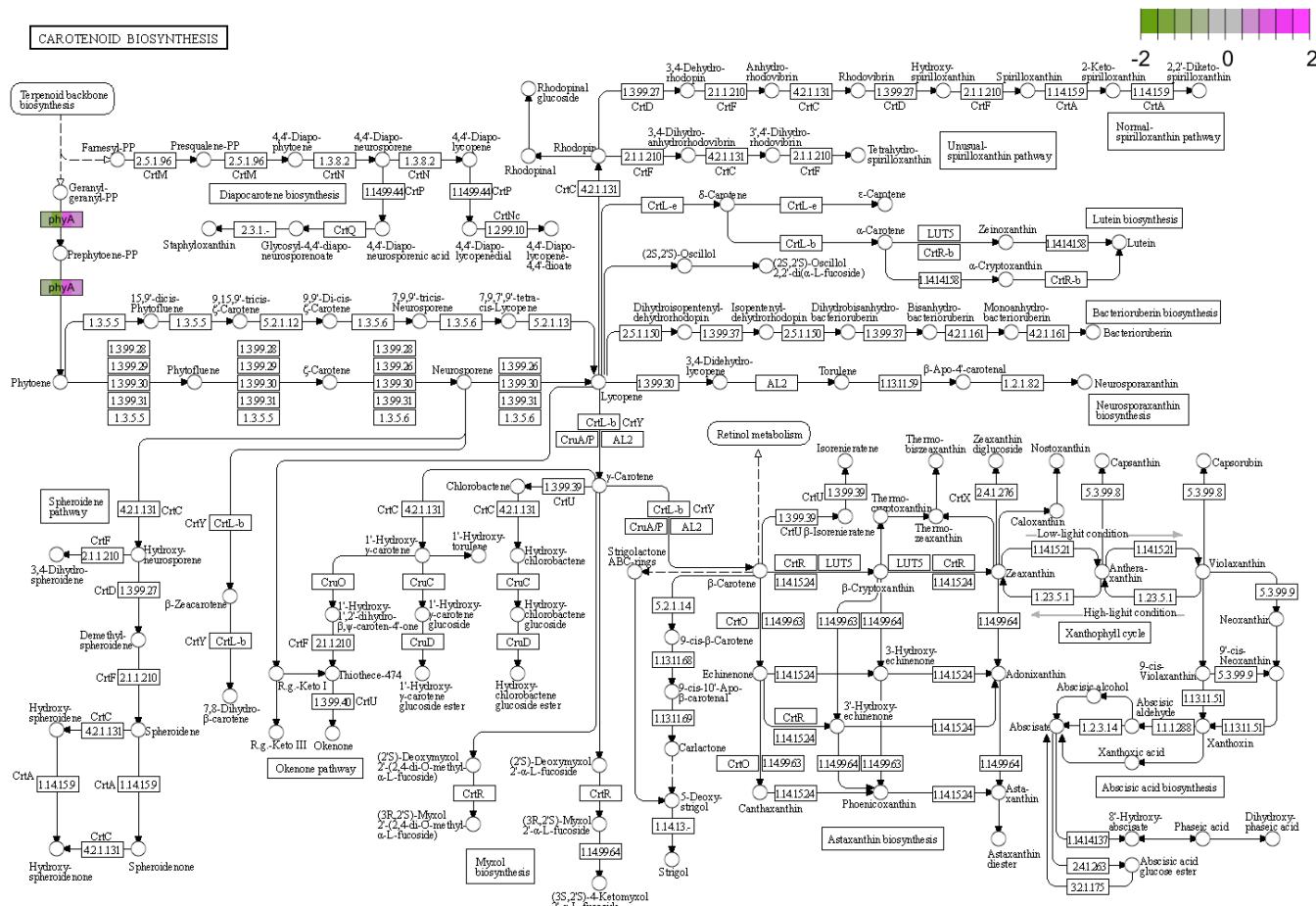


## METABOLISM OF TERPENOIDS AND POLYKETIDES

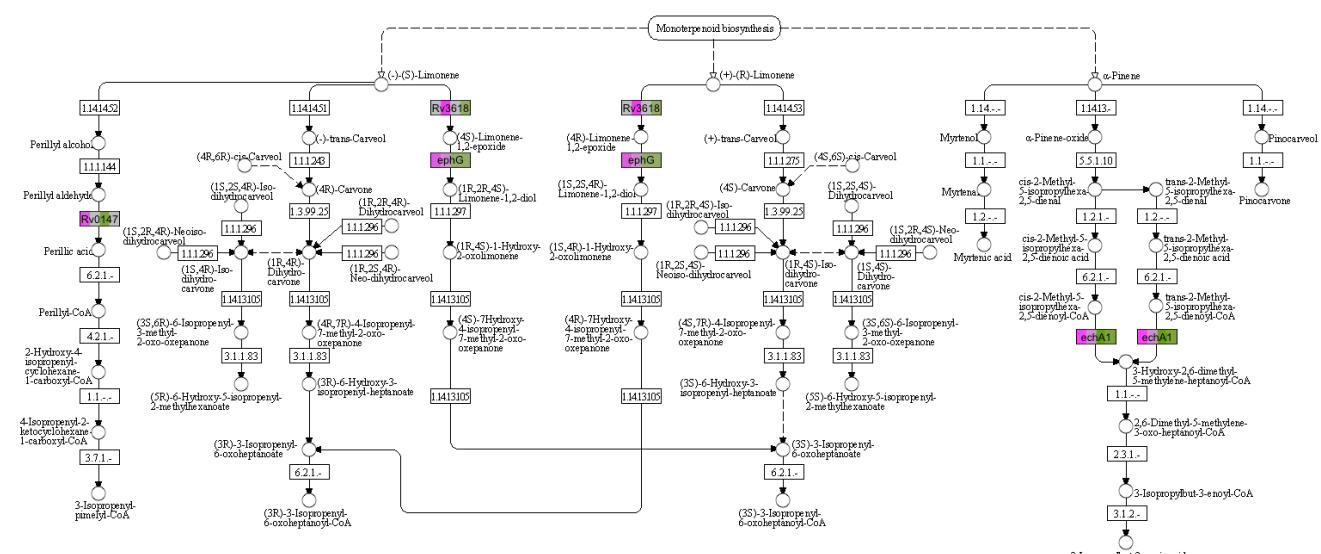


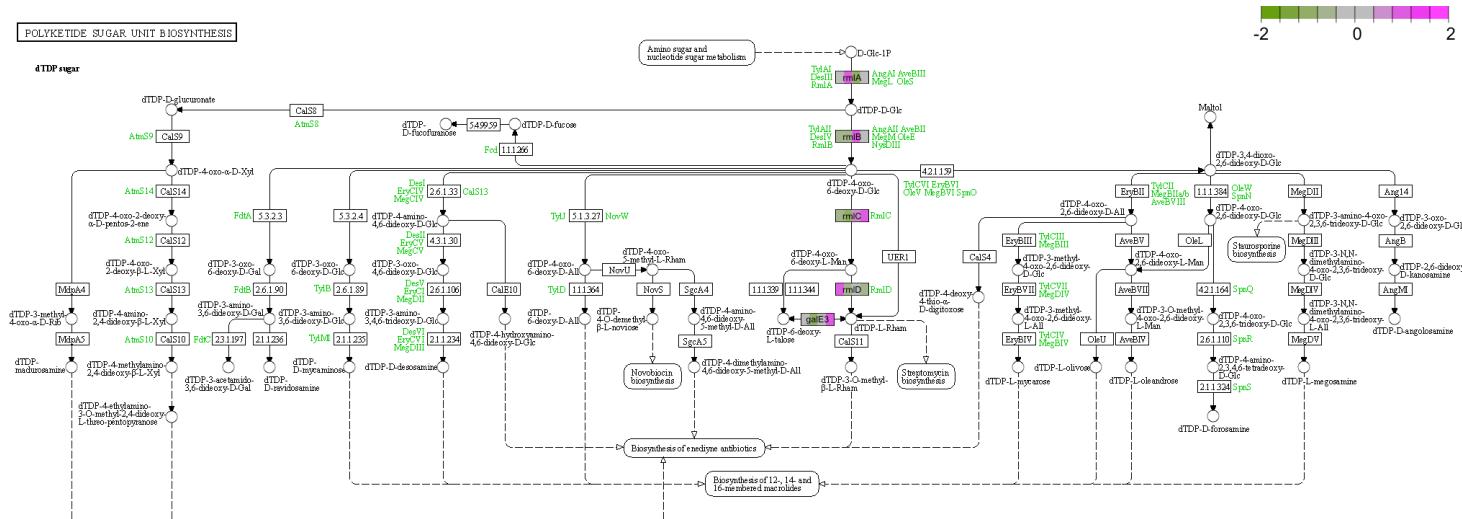
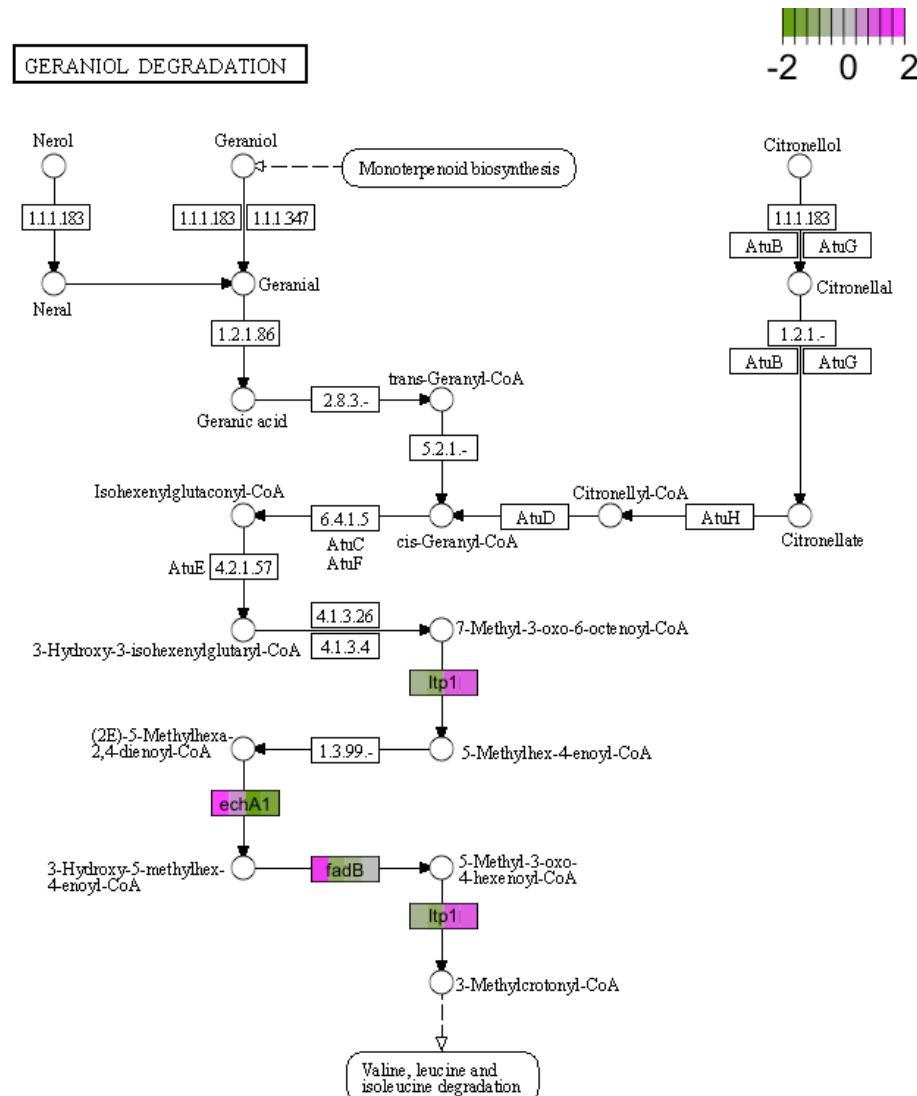
## Transcriptomics of MTB H37Rv

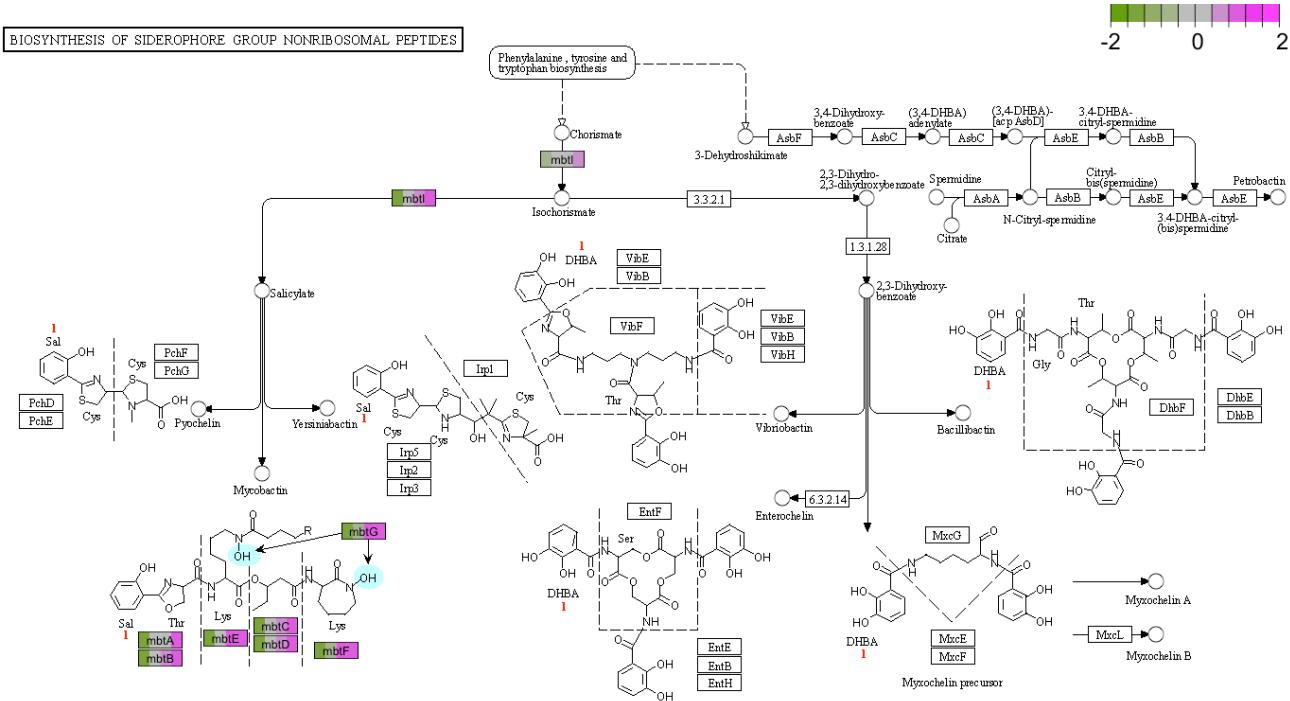
Act|Act\_5ala|Dorm|Dorm\_5ala



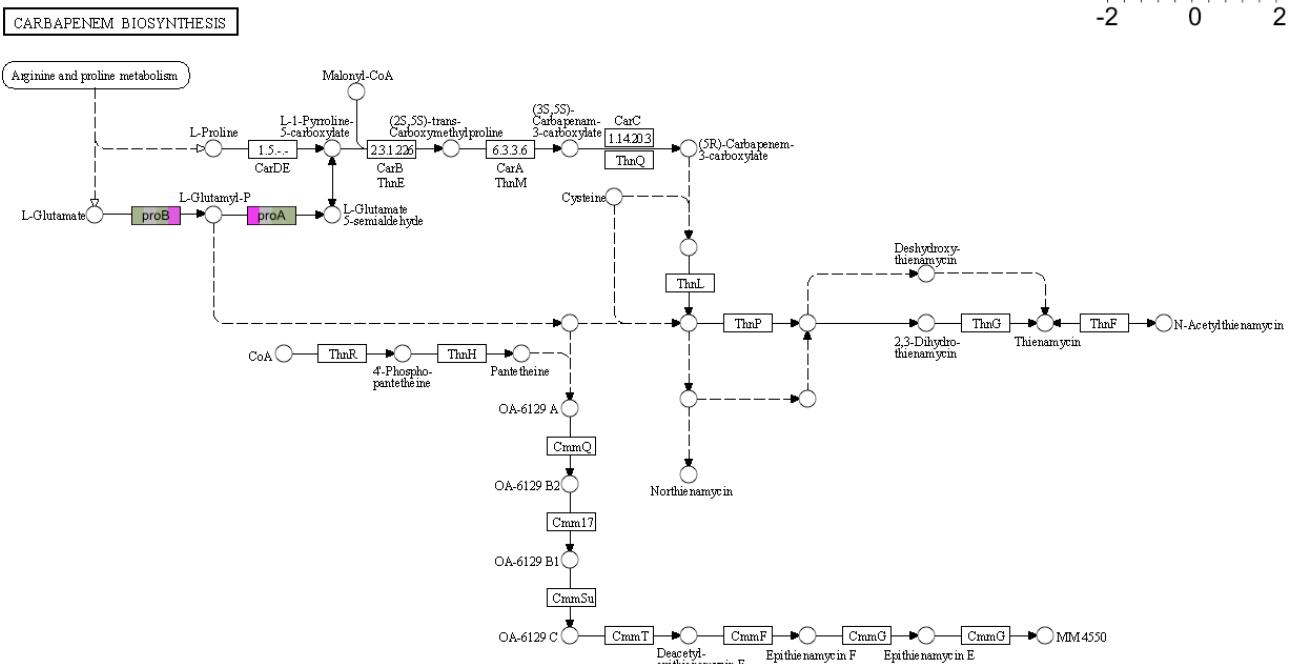
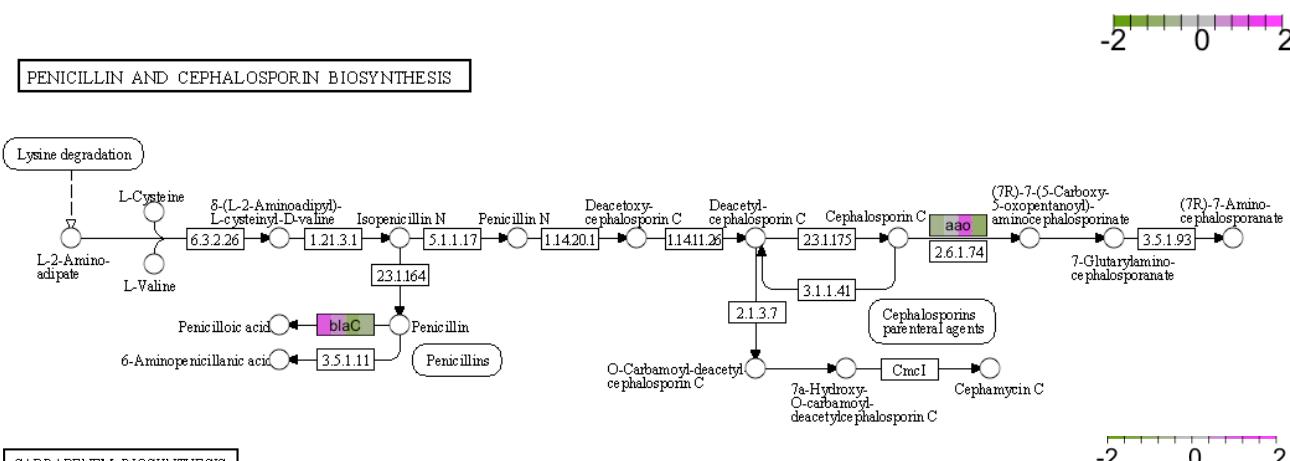
LIMONENE AND PINENE DEGRADATION

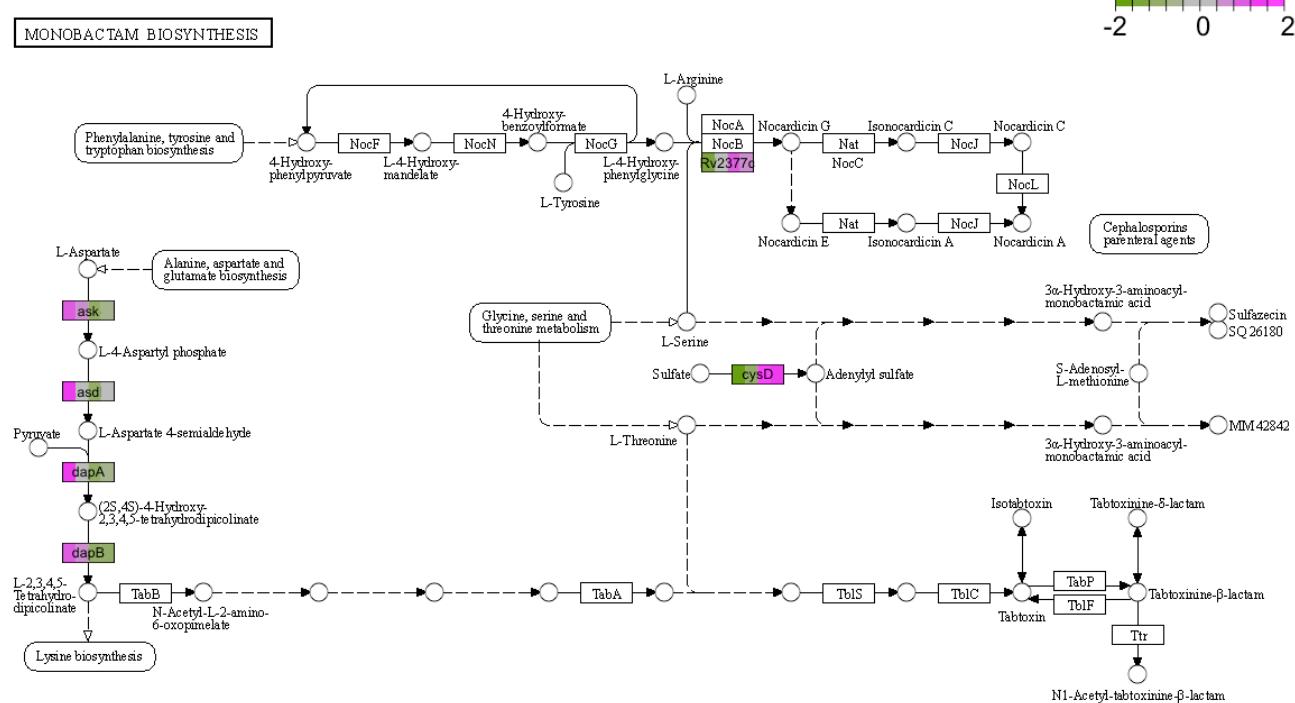




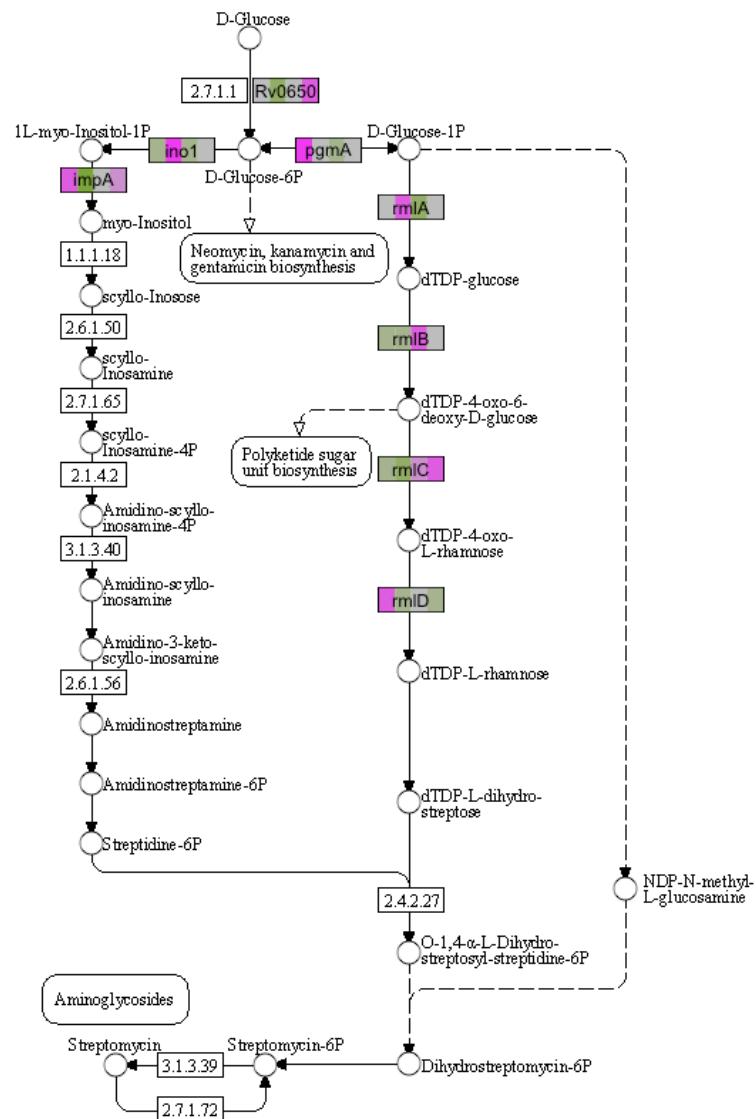


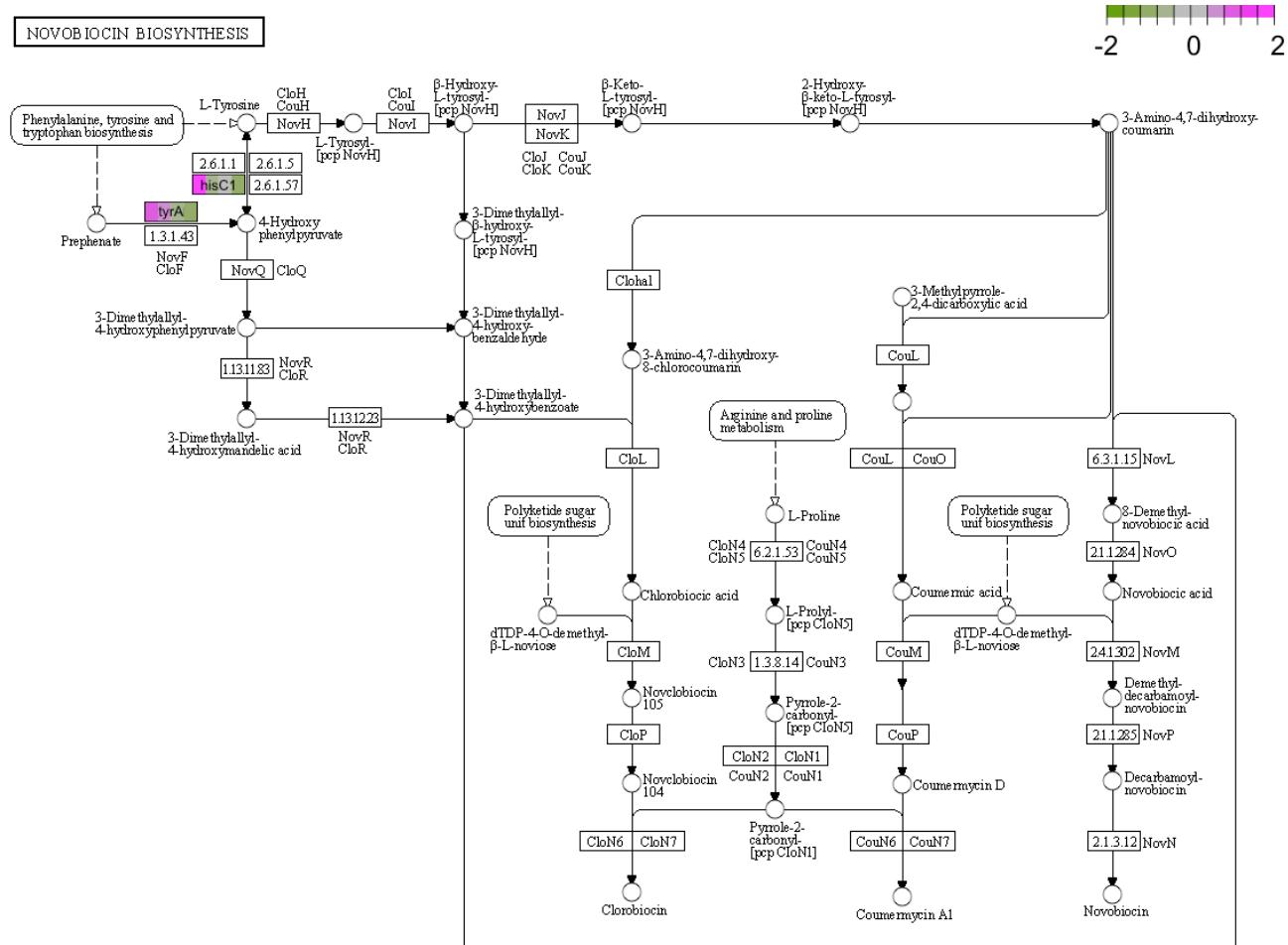
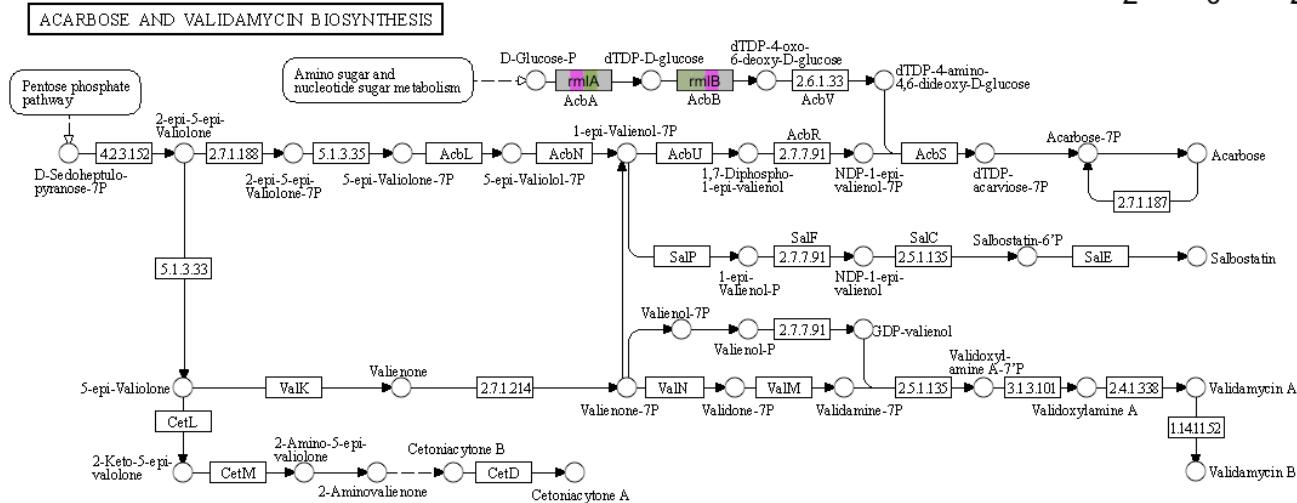
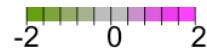
## BIOSYNTHESIS OF OTHER SECONDARY METABOLITES

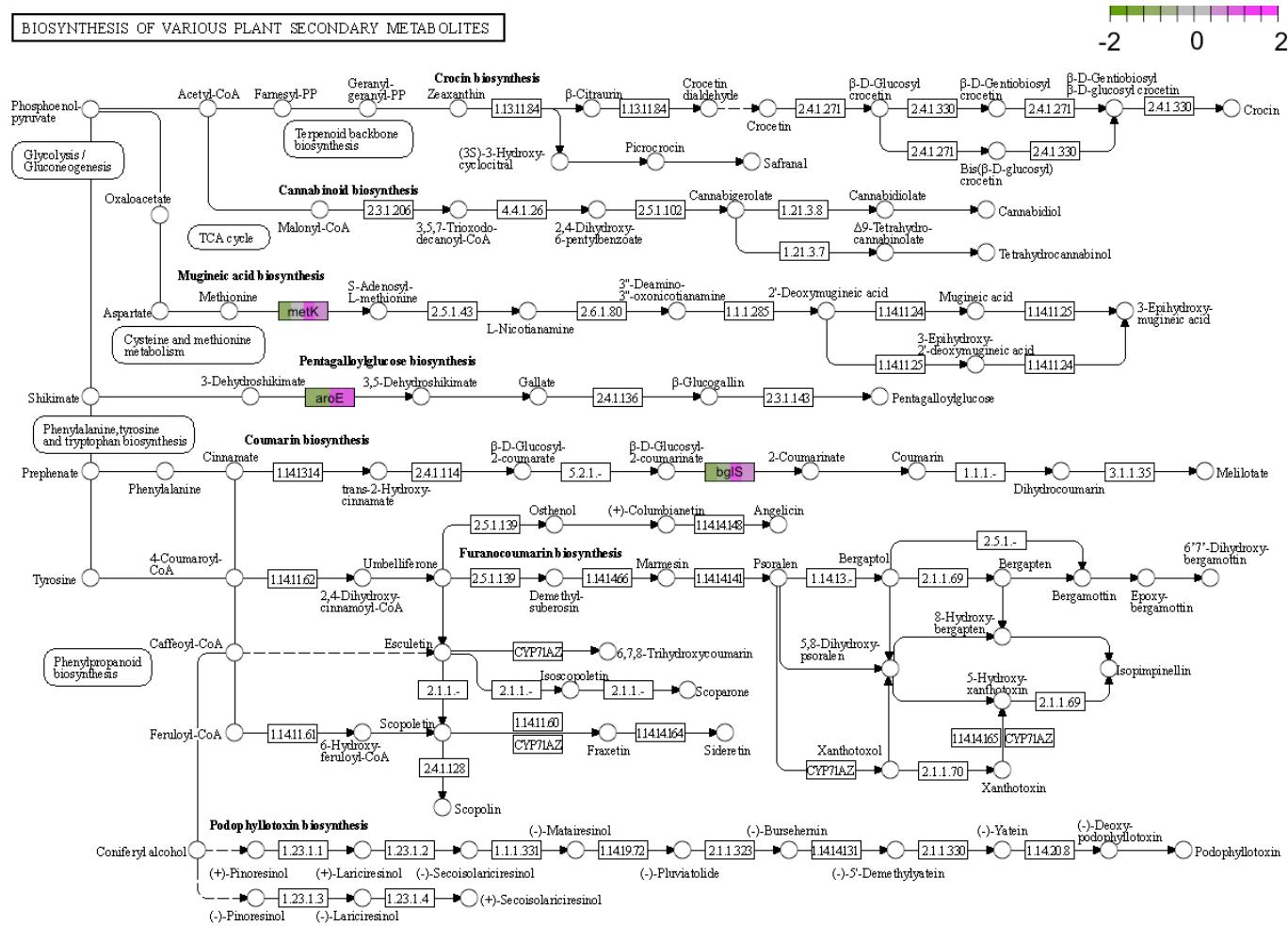




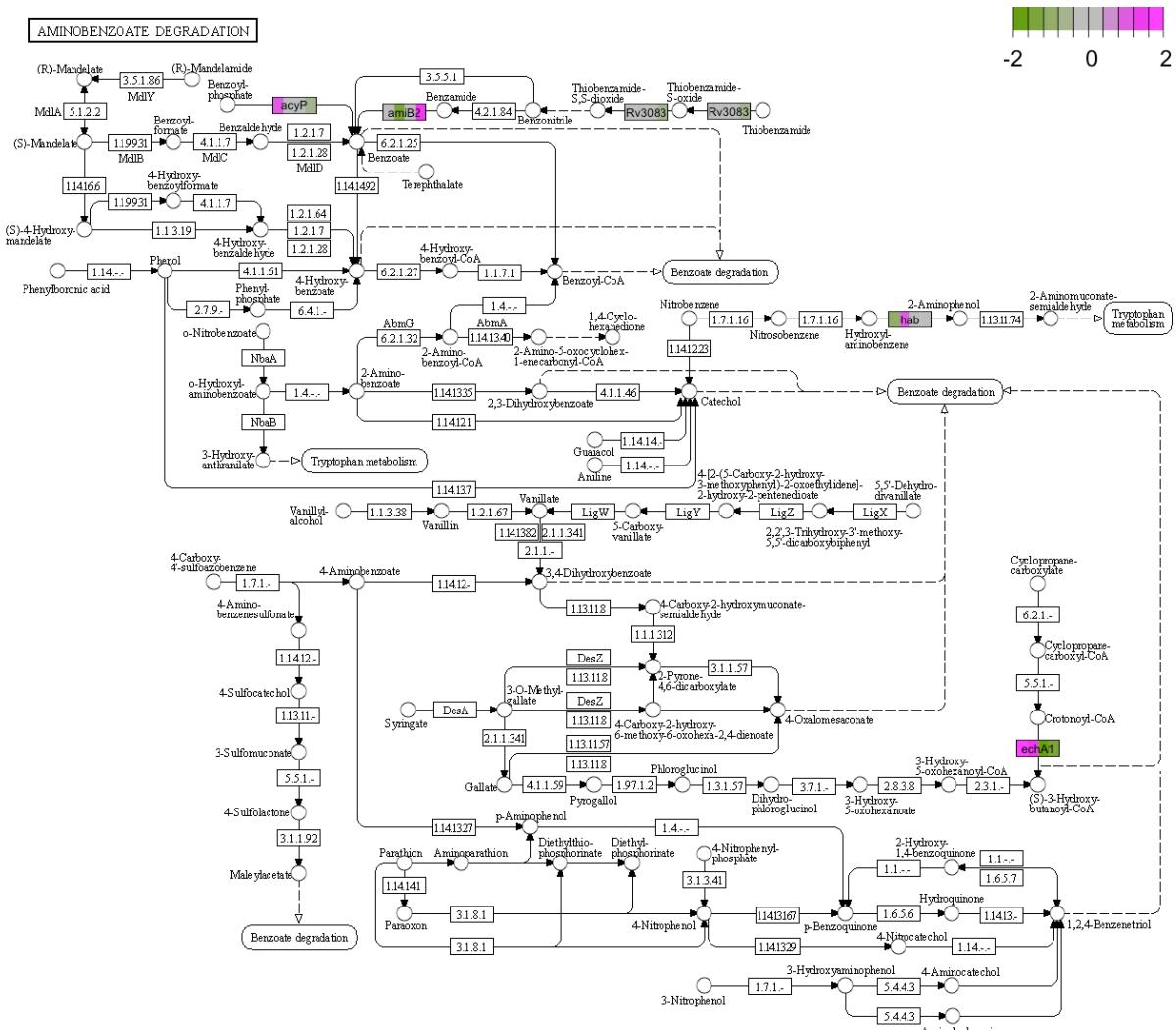
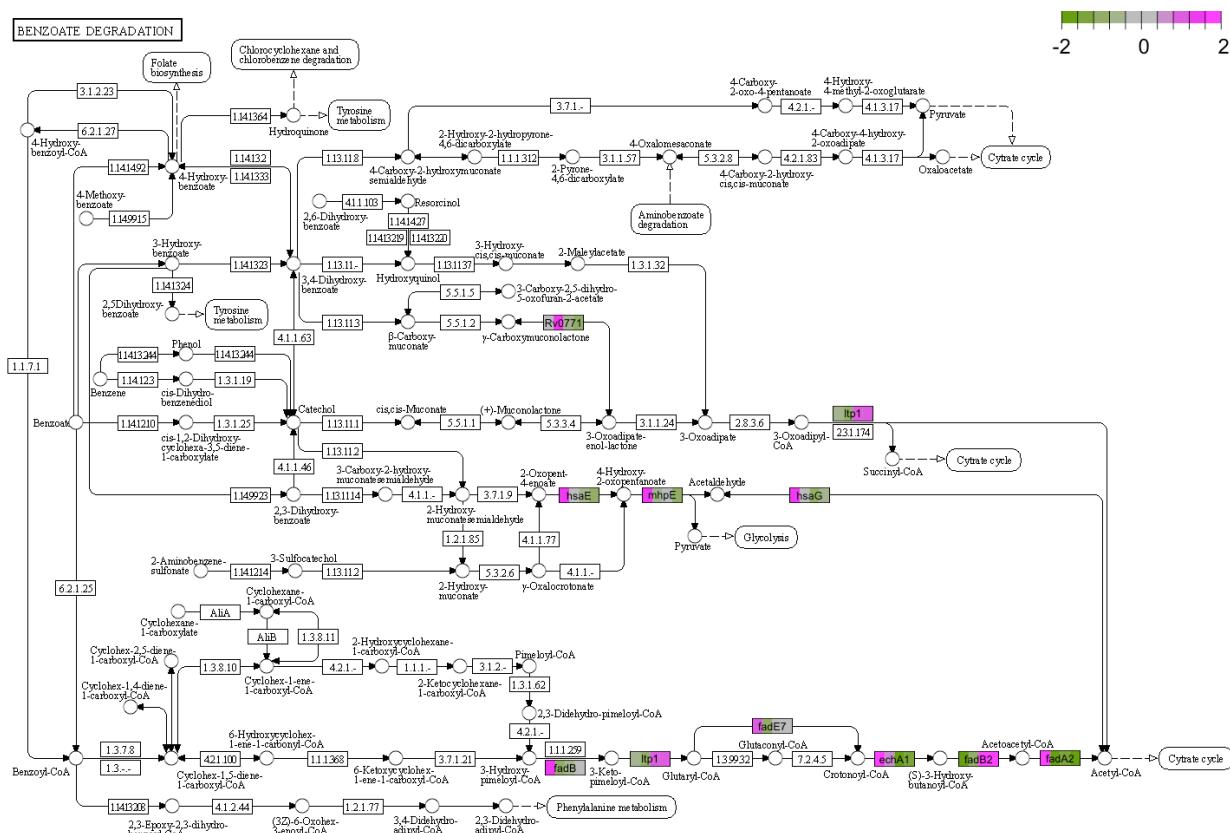
**STREPTOMYCIN BIOSYNTHESIS**

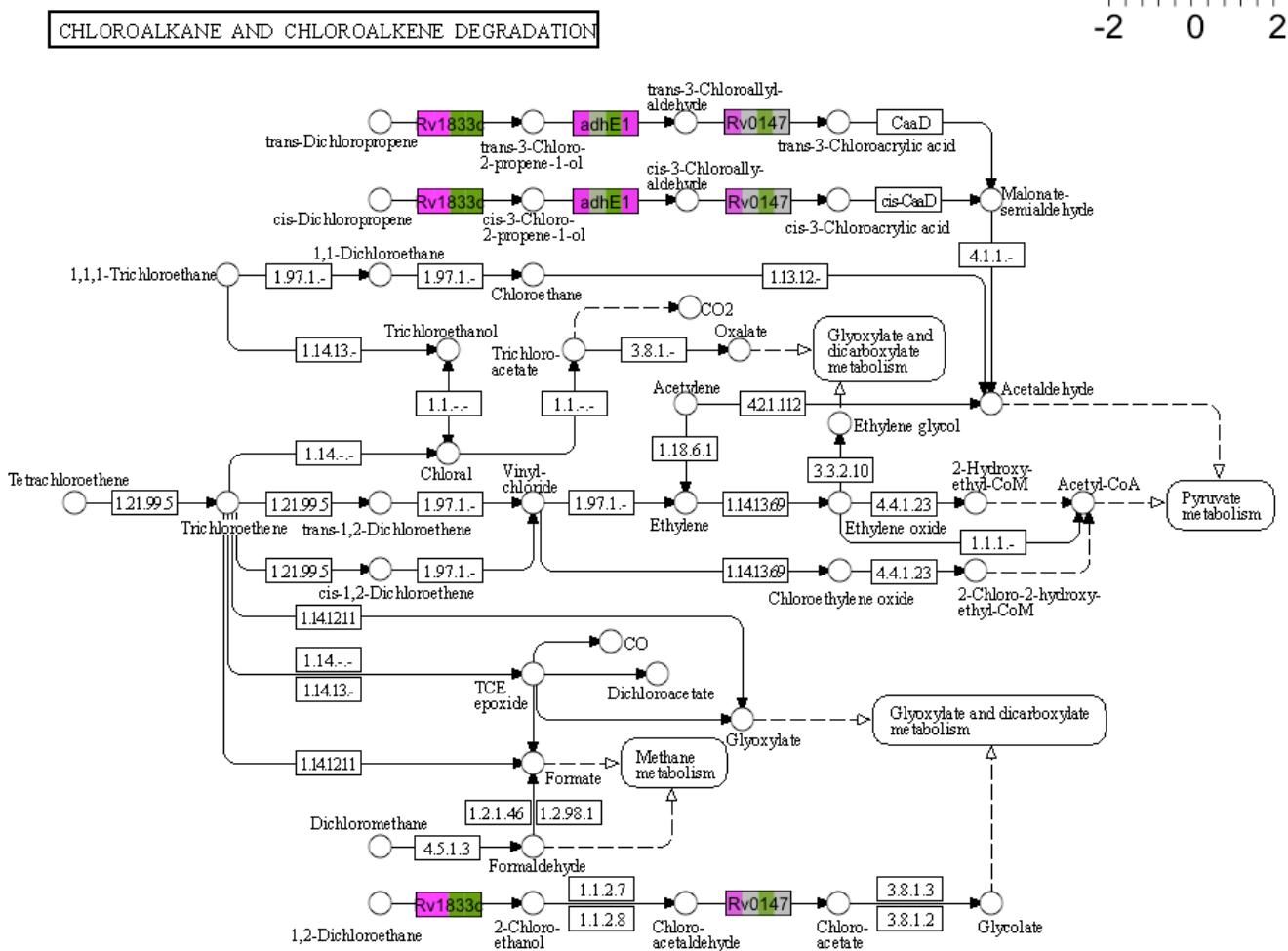
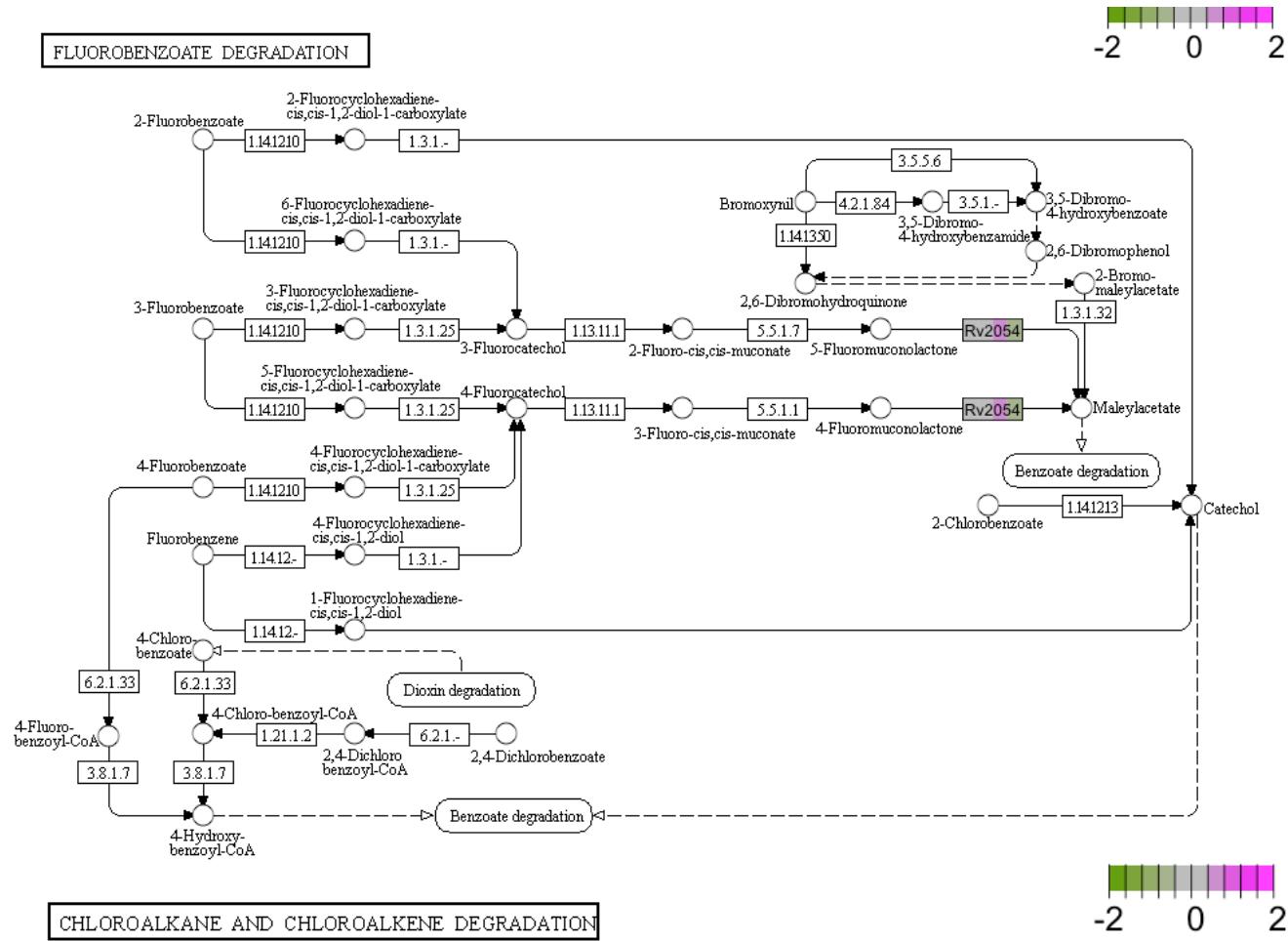






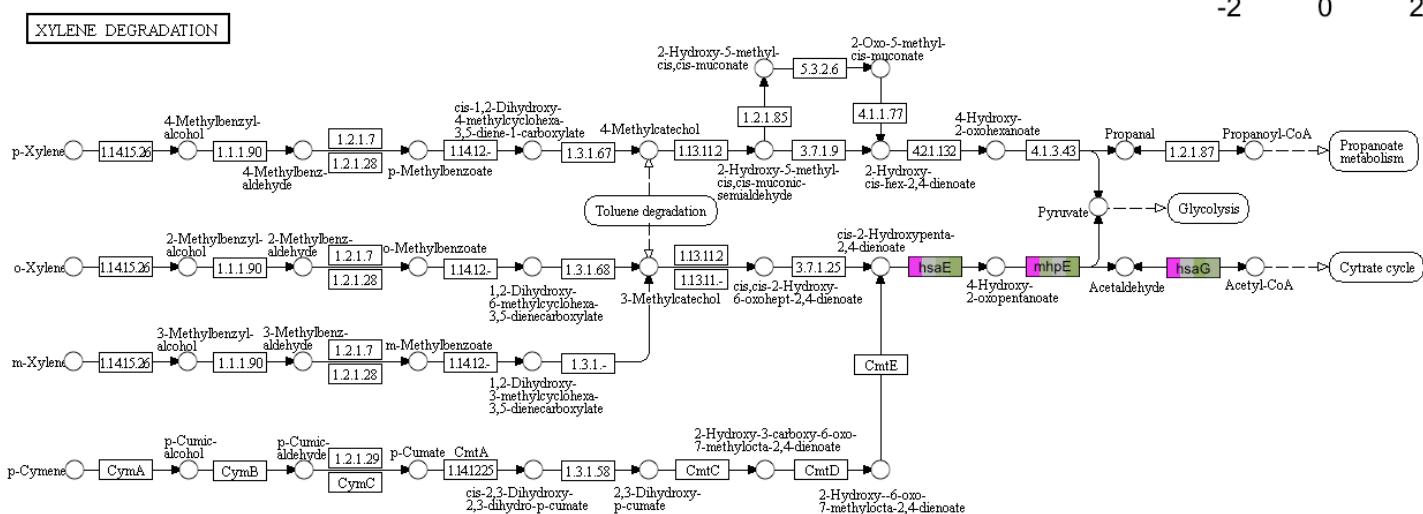
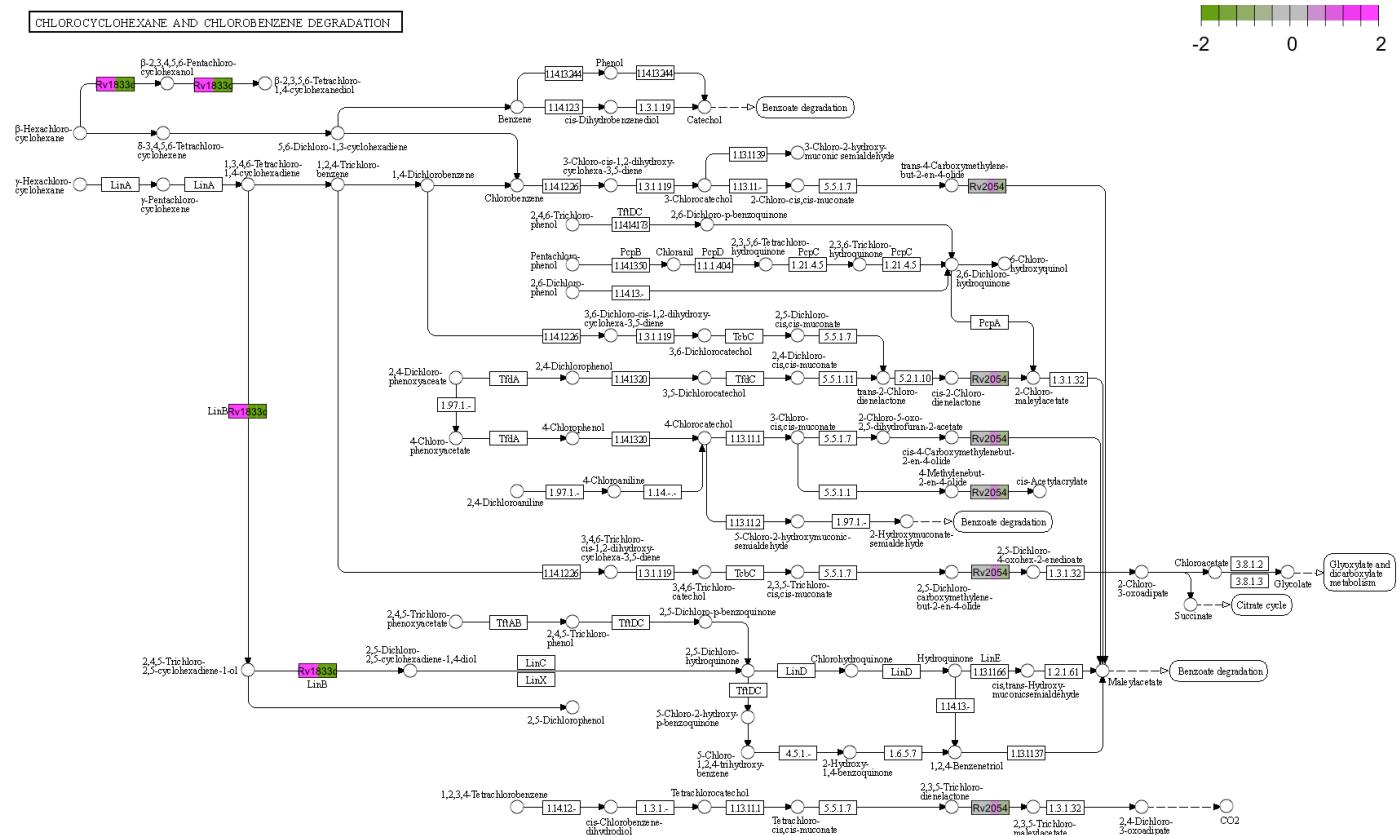
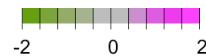
## XENOBIOTICS BIODEGRADATION AND METABOLISM

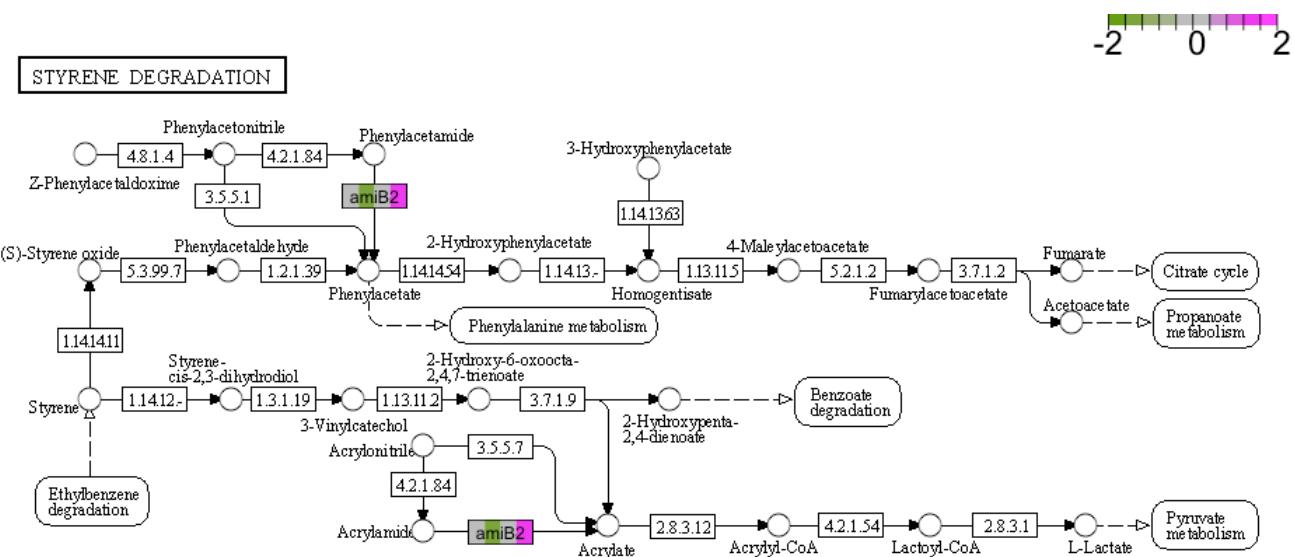
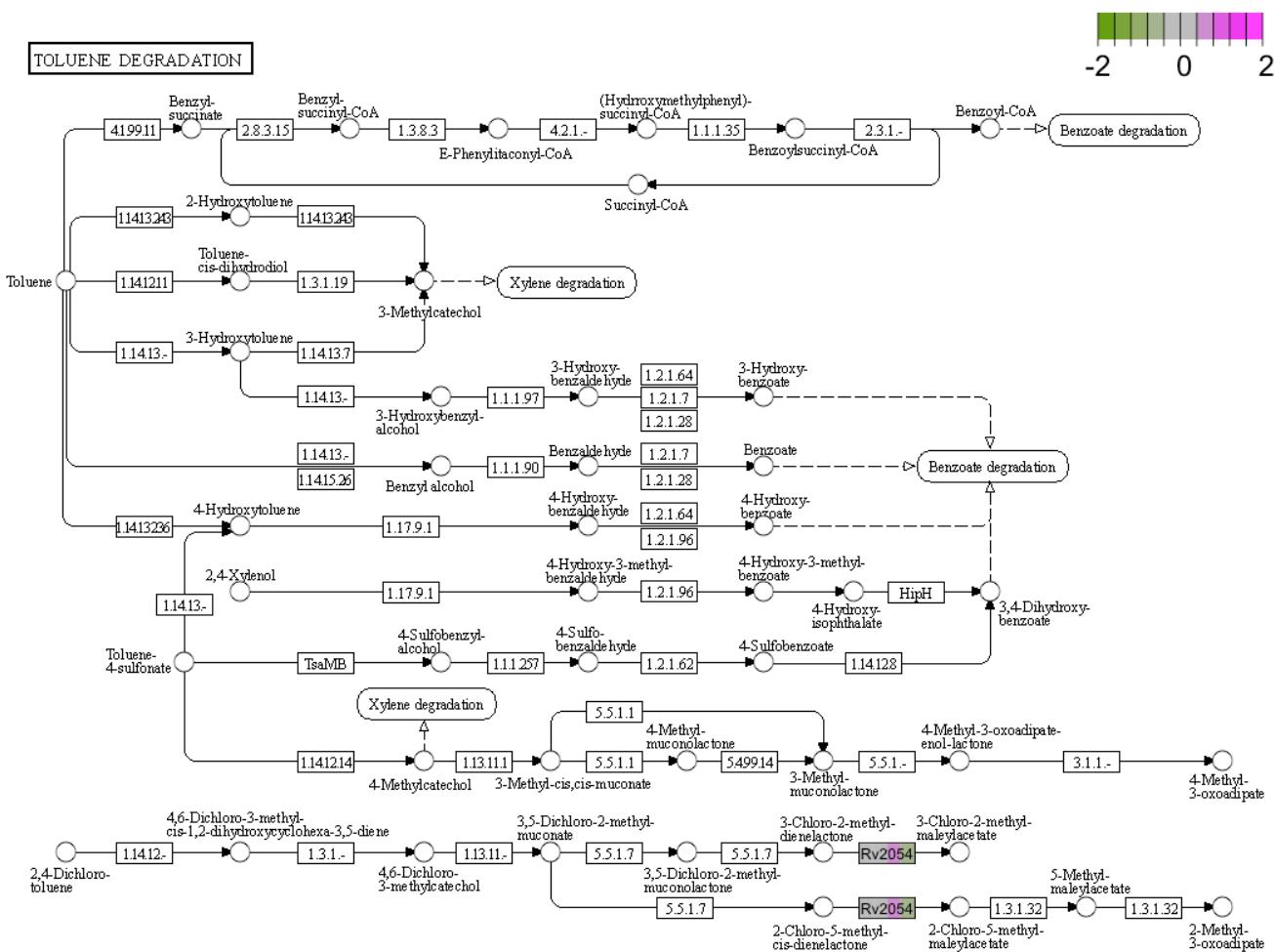


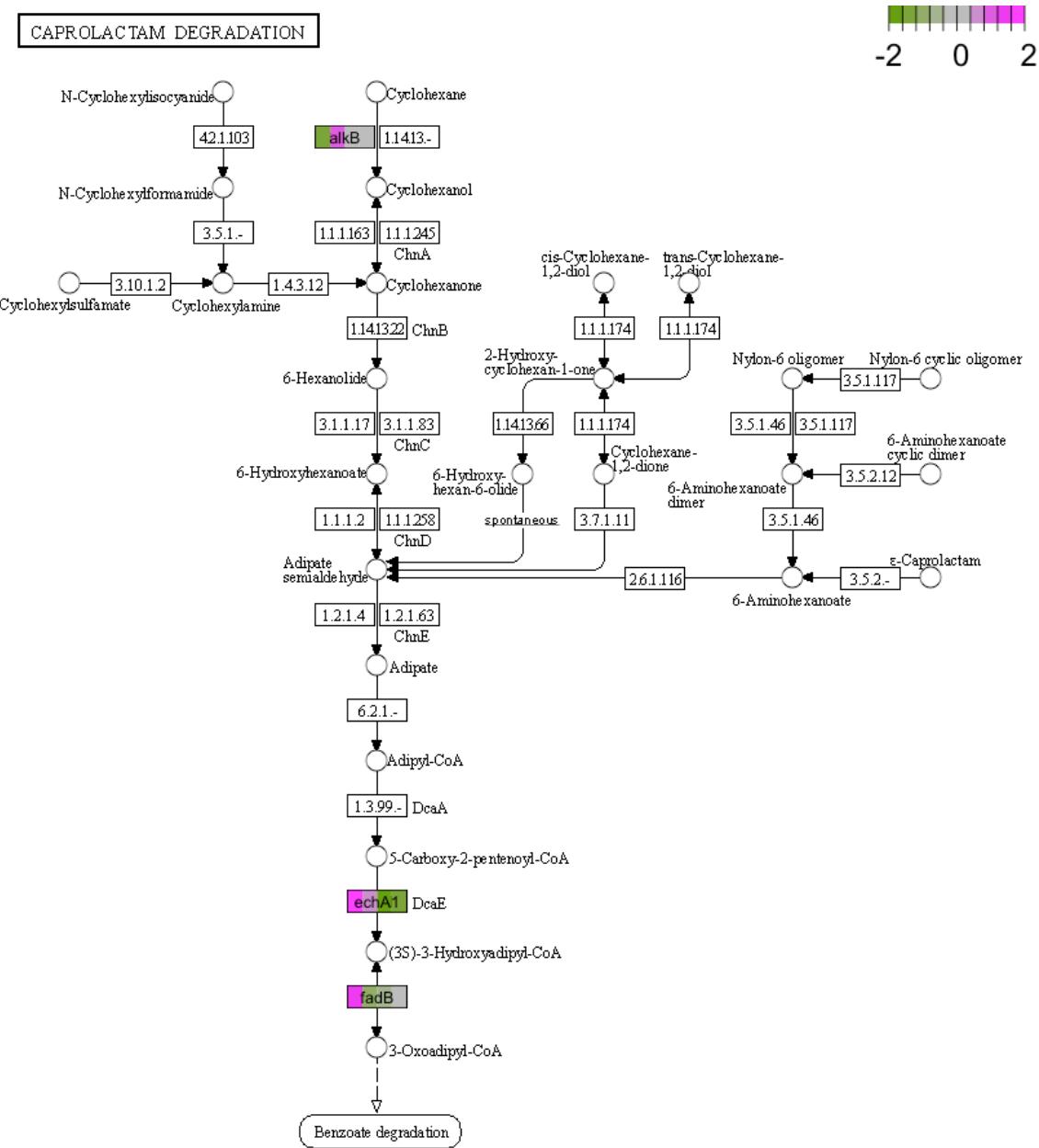


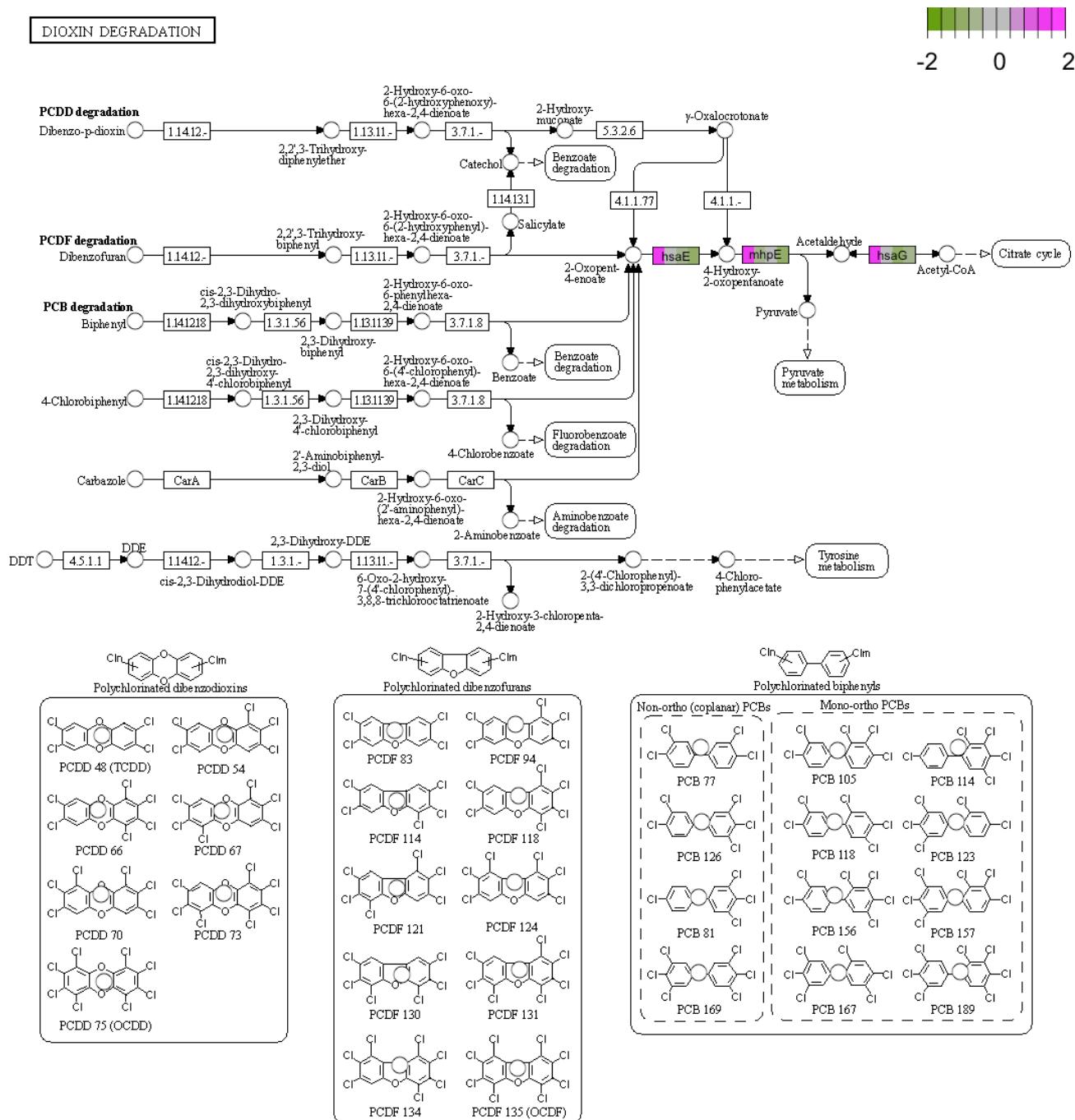
# Transcriptomics of MTB H37Rv

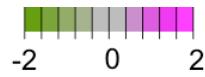
Act|Act\_5ala|Dorm|Dorm\_5ala



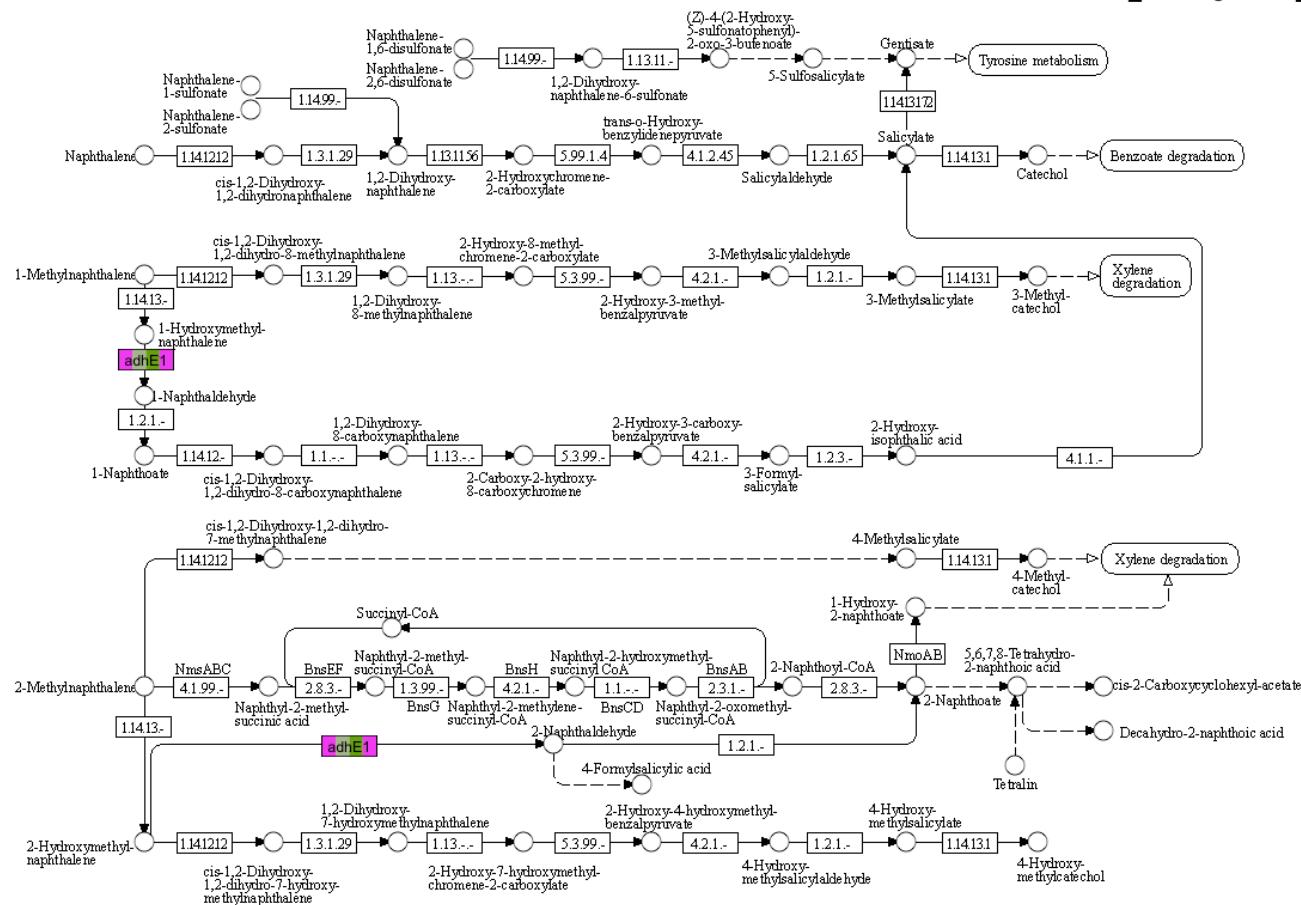




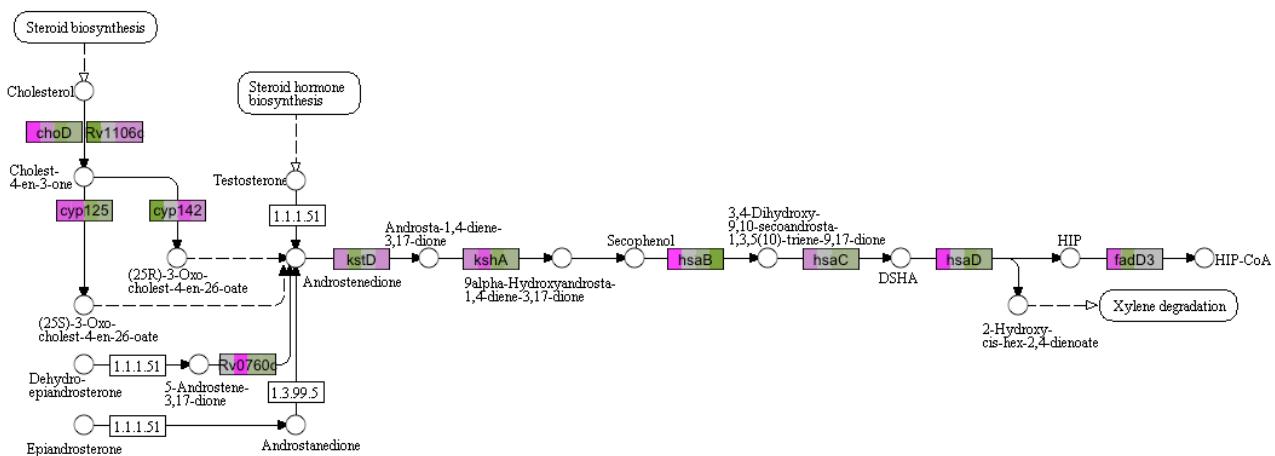




## NAPHTHALENE DEGRADATION

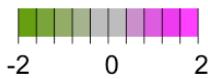


## STEROID DEGRADATION



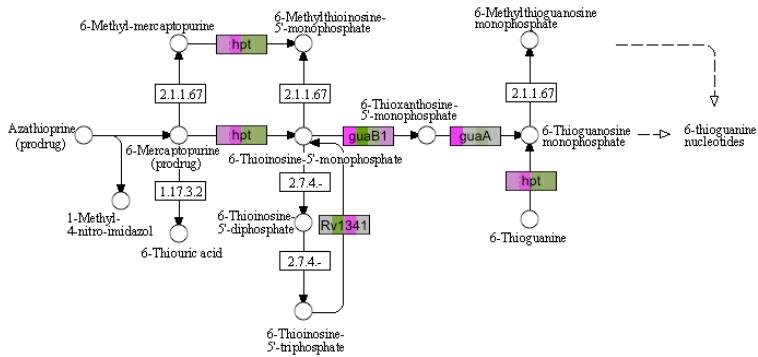
# Transcriptomics of MTB H37Rv

Act|Act\_5ala|Dorm|Dorm\_5ala

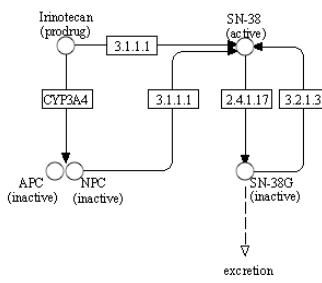


## DRUG METABOLISM - OTHER ENZYMES

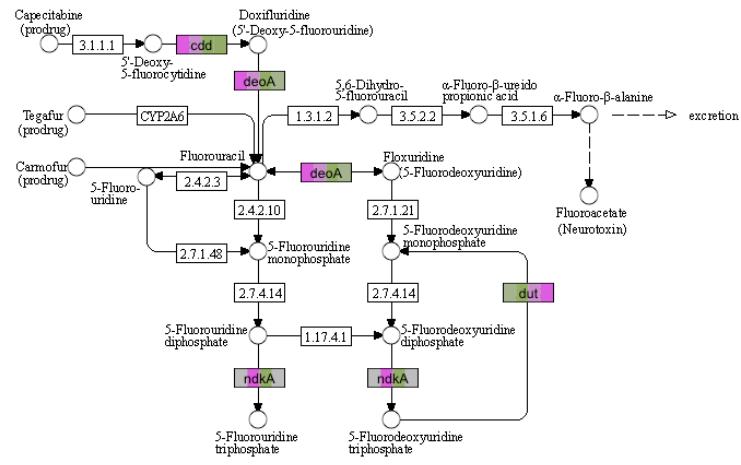
### Azathioprine & 6-Mercaptopurine



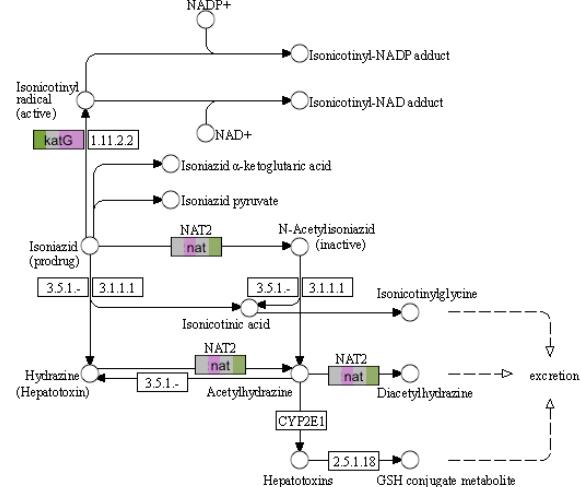
### Irinotecan



### Fluorouracil

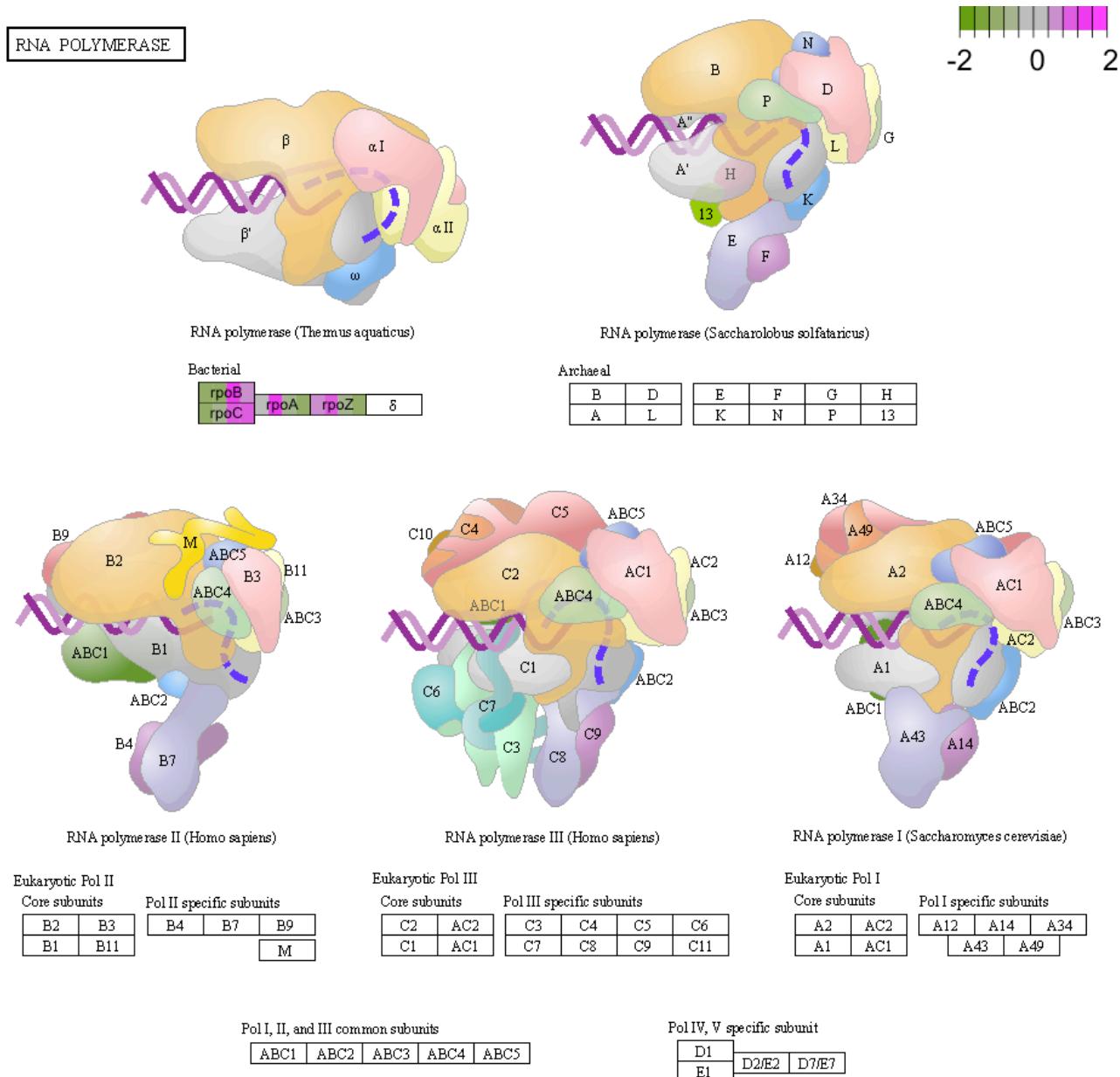


### Isoniazid

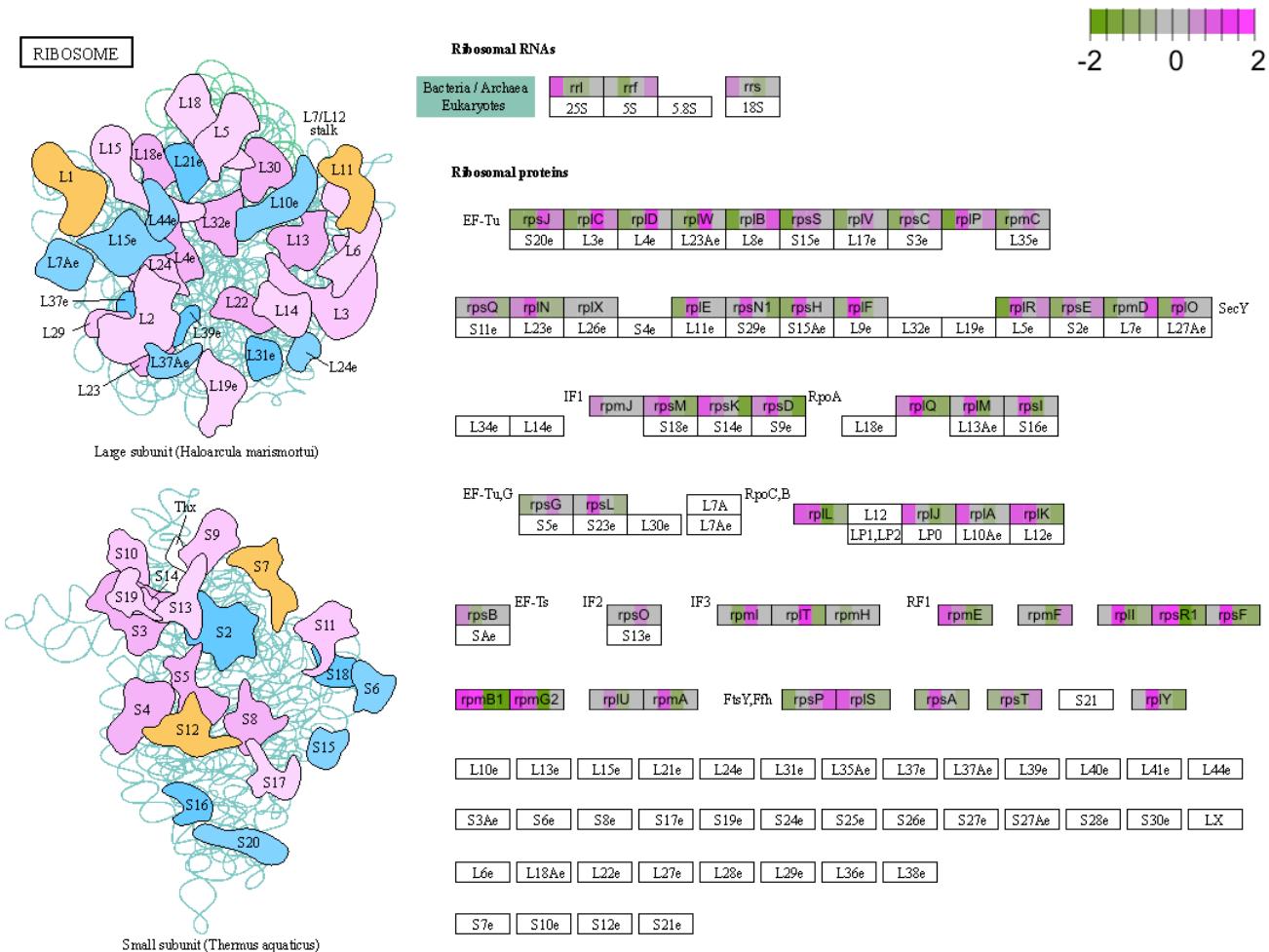


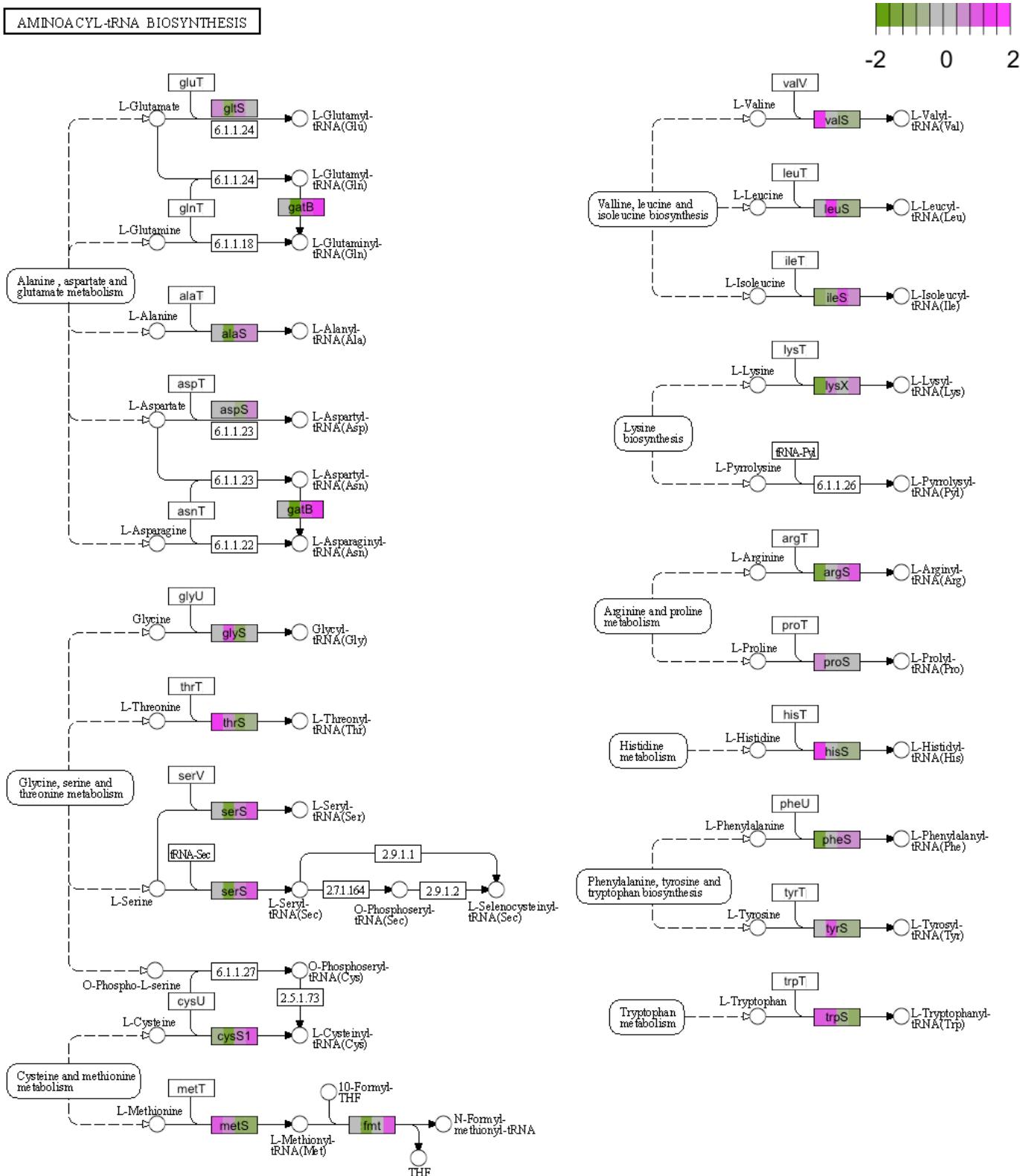
## GENETIC INFORMATION PROCESSING

## Transcription

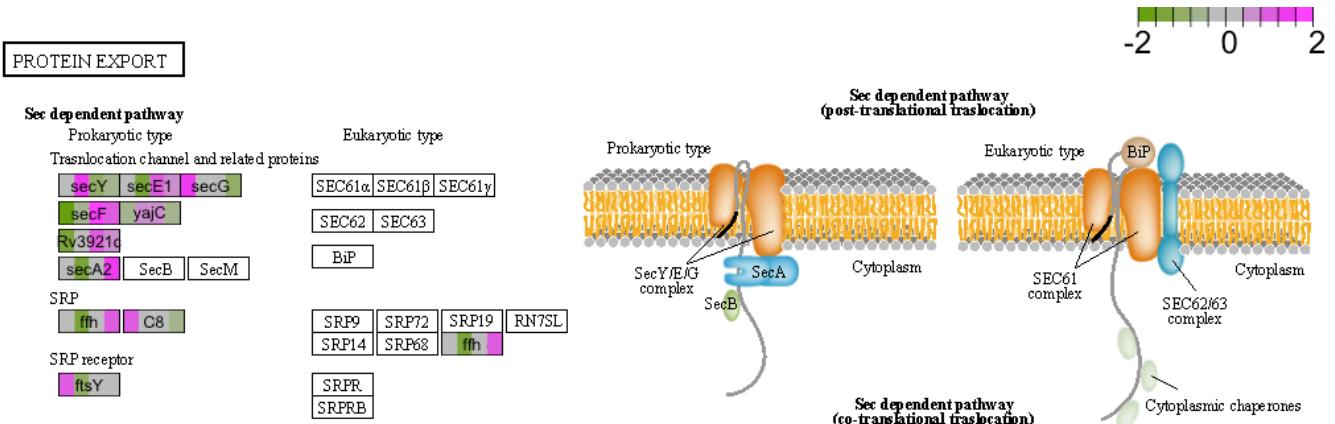


## Translation

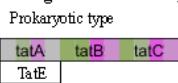




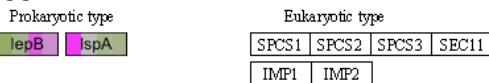
## Folding, sorting and degradation



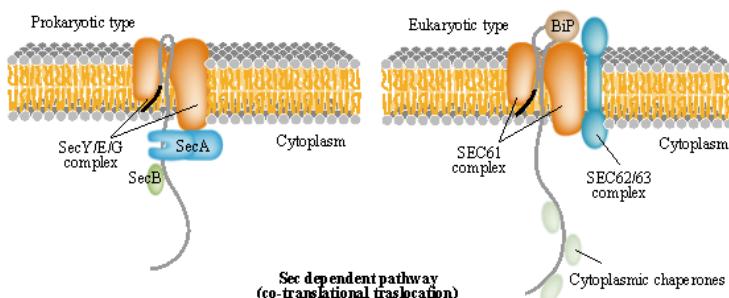
## Tat (twin-arginine translocation) system



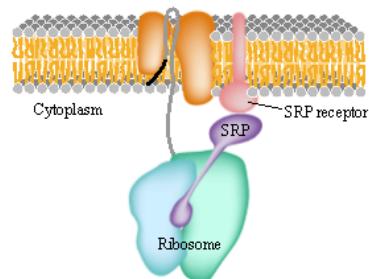
## Signal peptidase



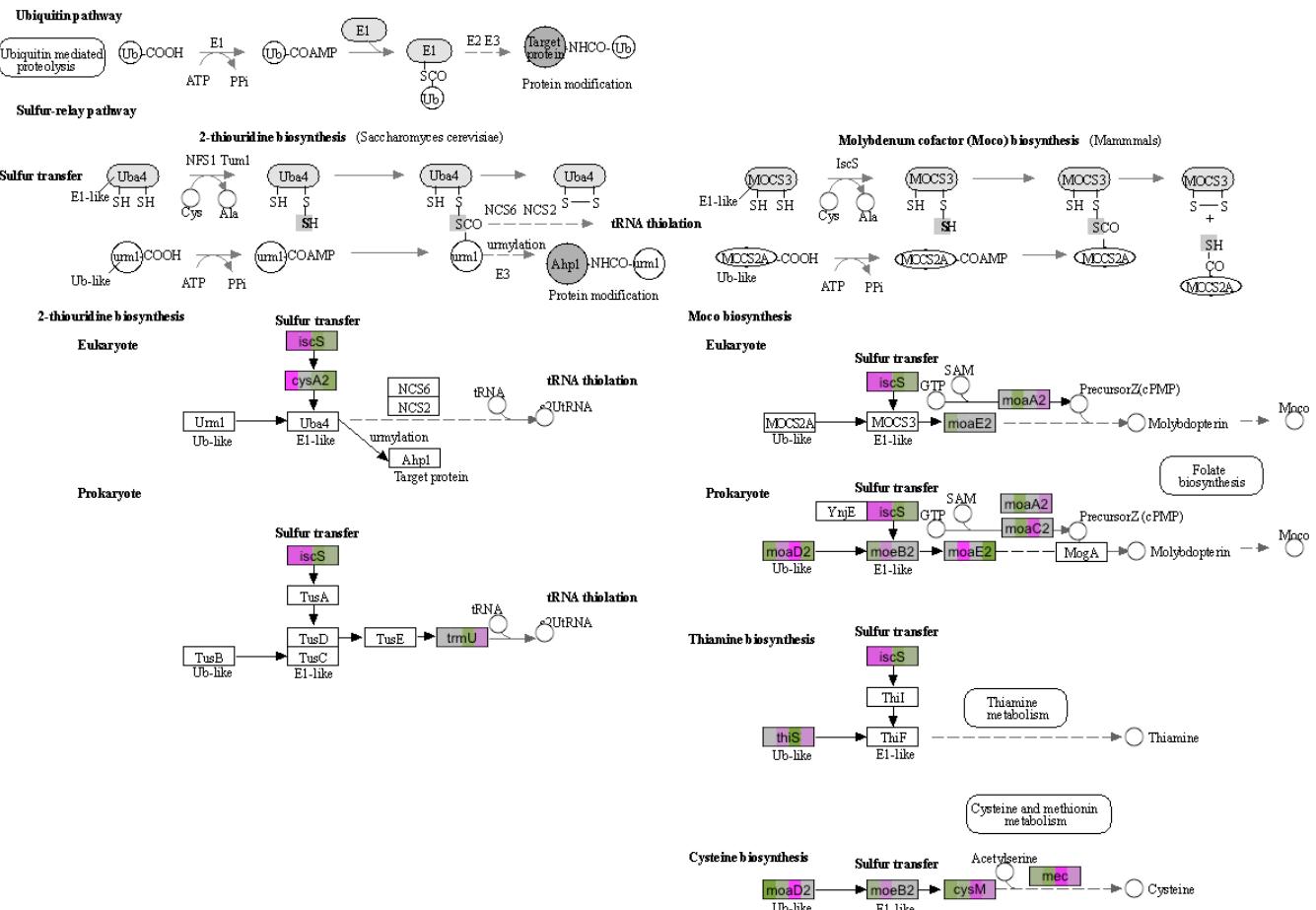
Sec dependent pathway (post-translational translocation)

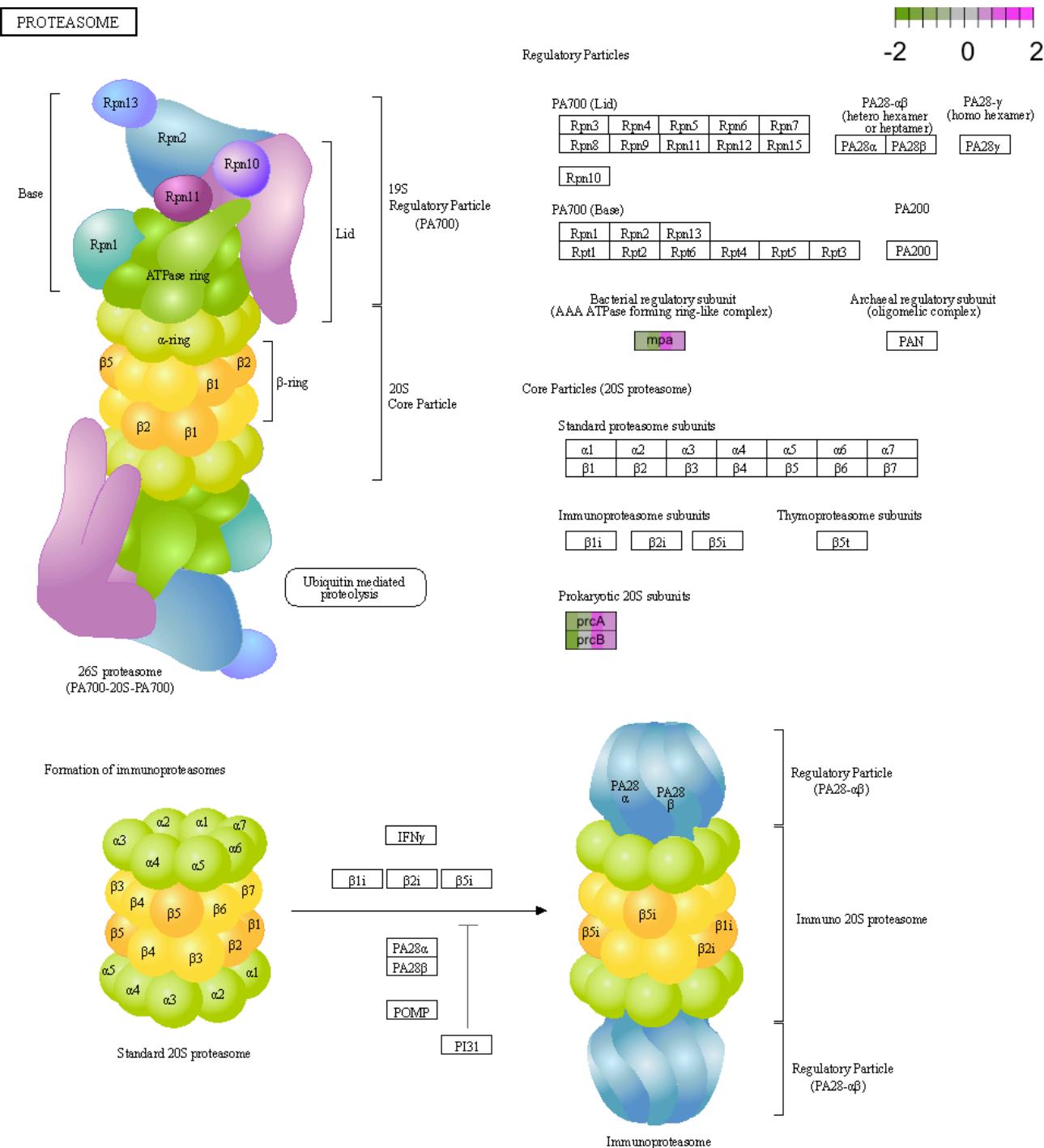


Sec dependent pathway (co-translational translocation)

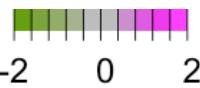


## SULFUR RELAY SYSTEM

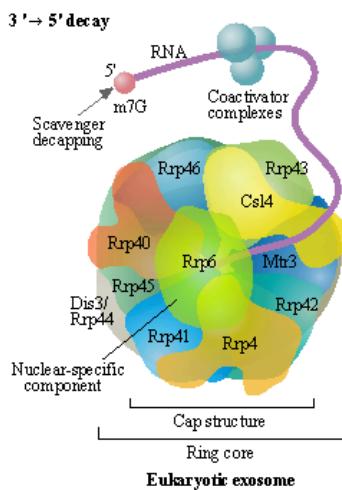




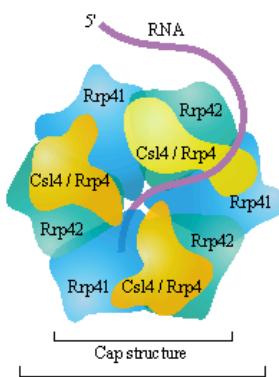
## RNA DEGRADATION



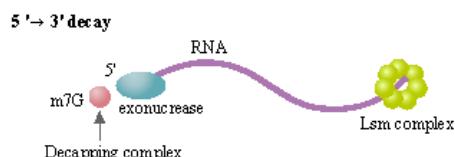
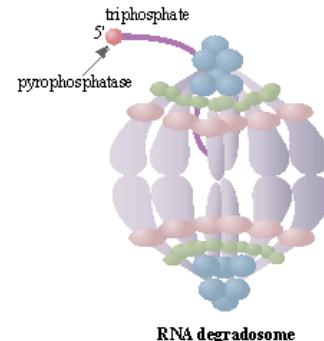
## Eukaryotic RNA degradation



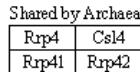
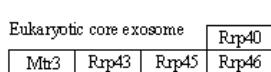
## Archaeal RNA degradation



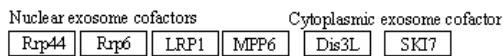
## Bacterial RNA degradation



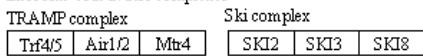
## 3' → 5' decay



## Exosome associated factors



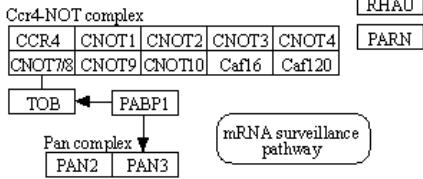
## Exosome coactivator complexes



## Scavenger decapping

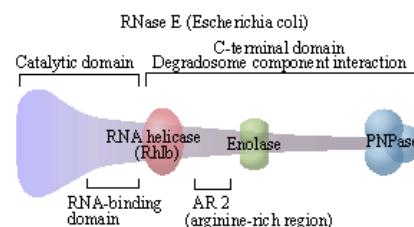
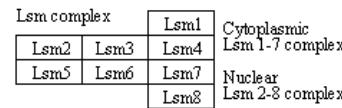
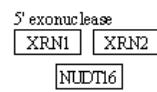
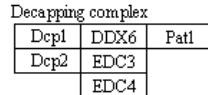


## Cytoplasmic deadenylation

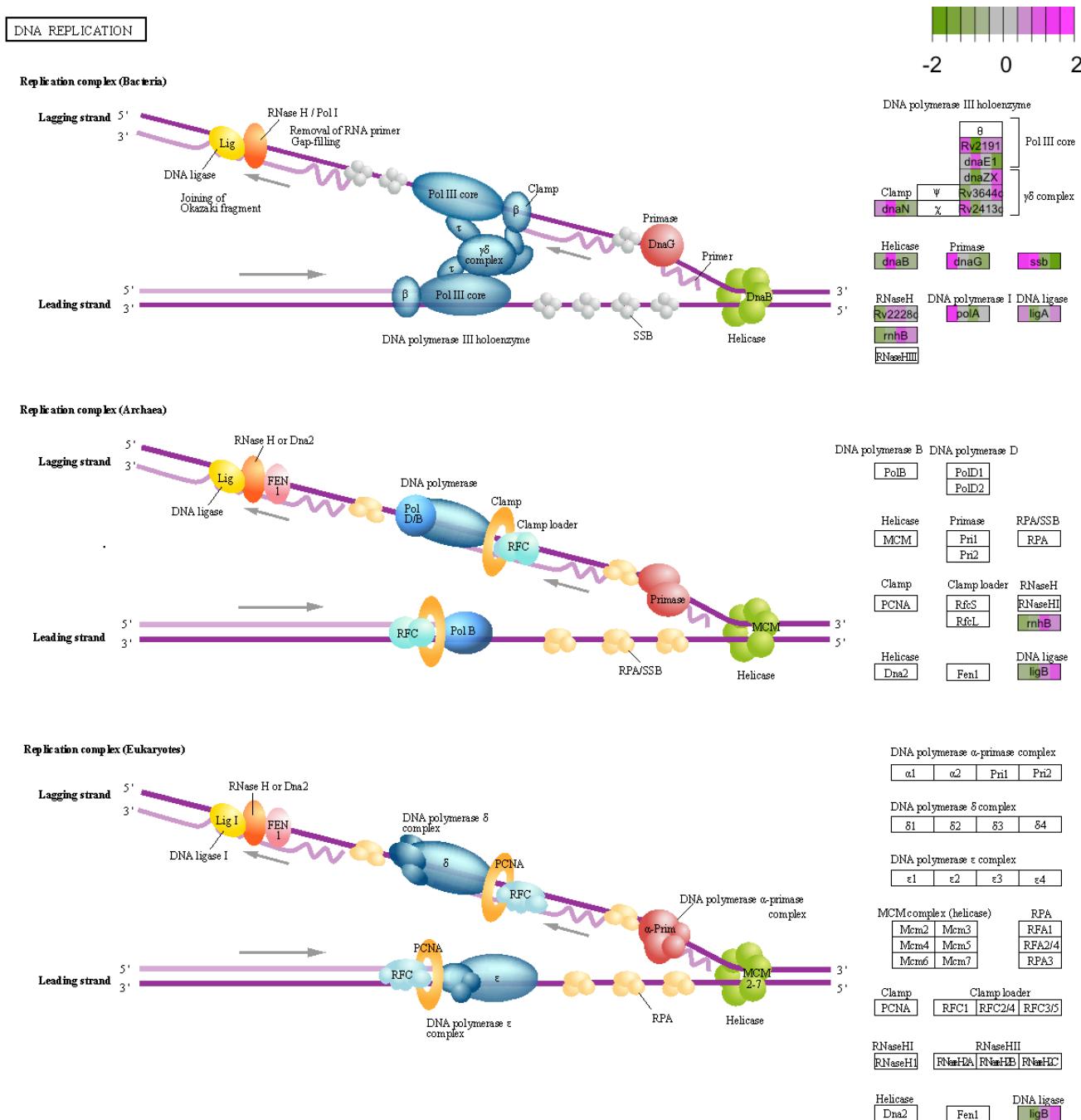


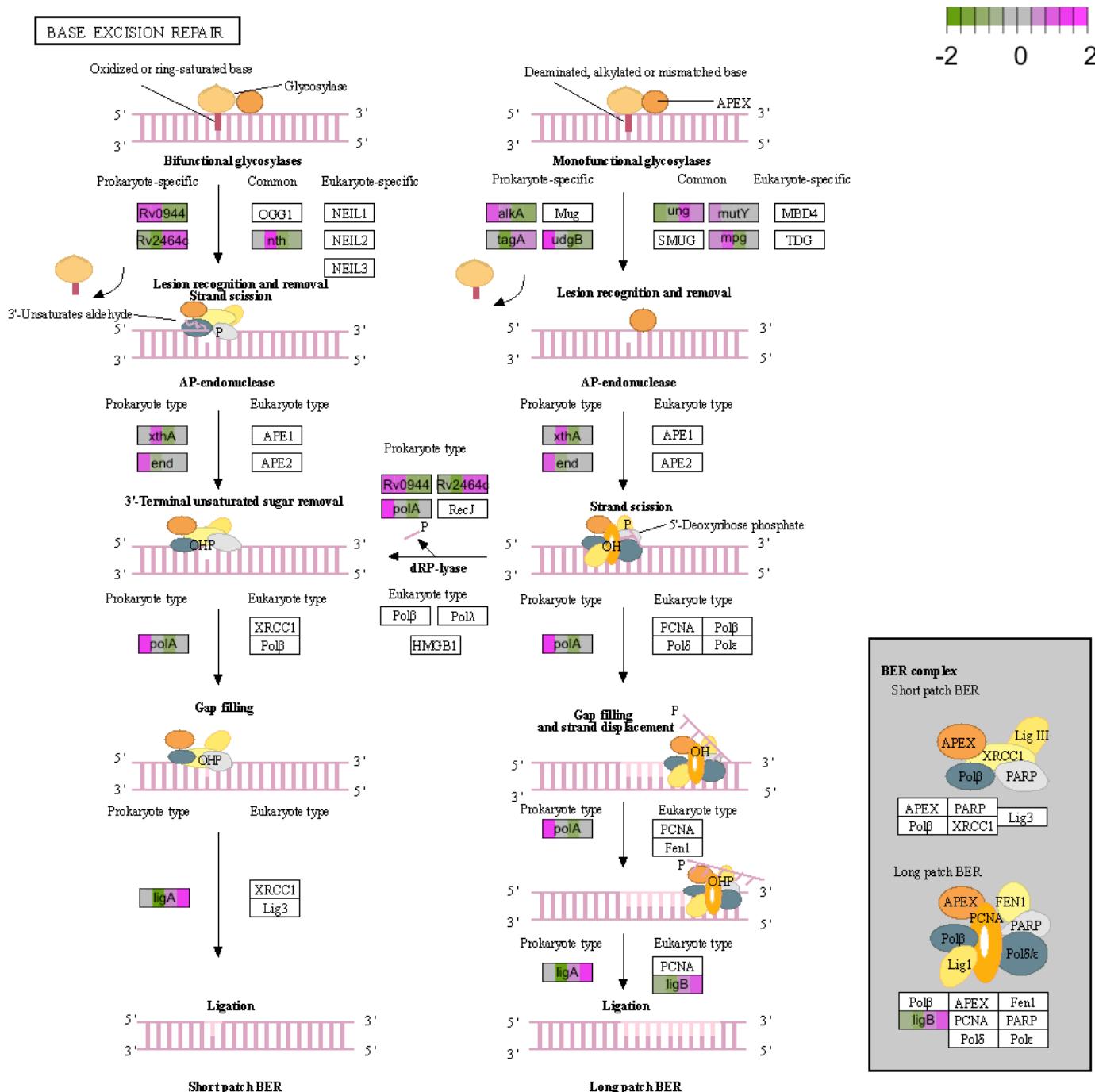
mRNA surveillance pathway

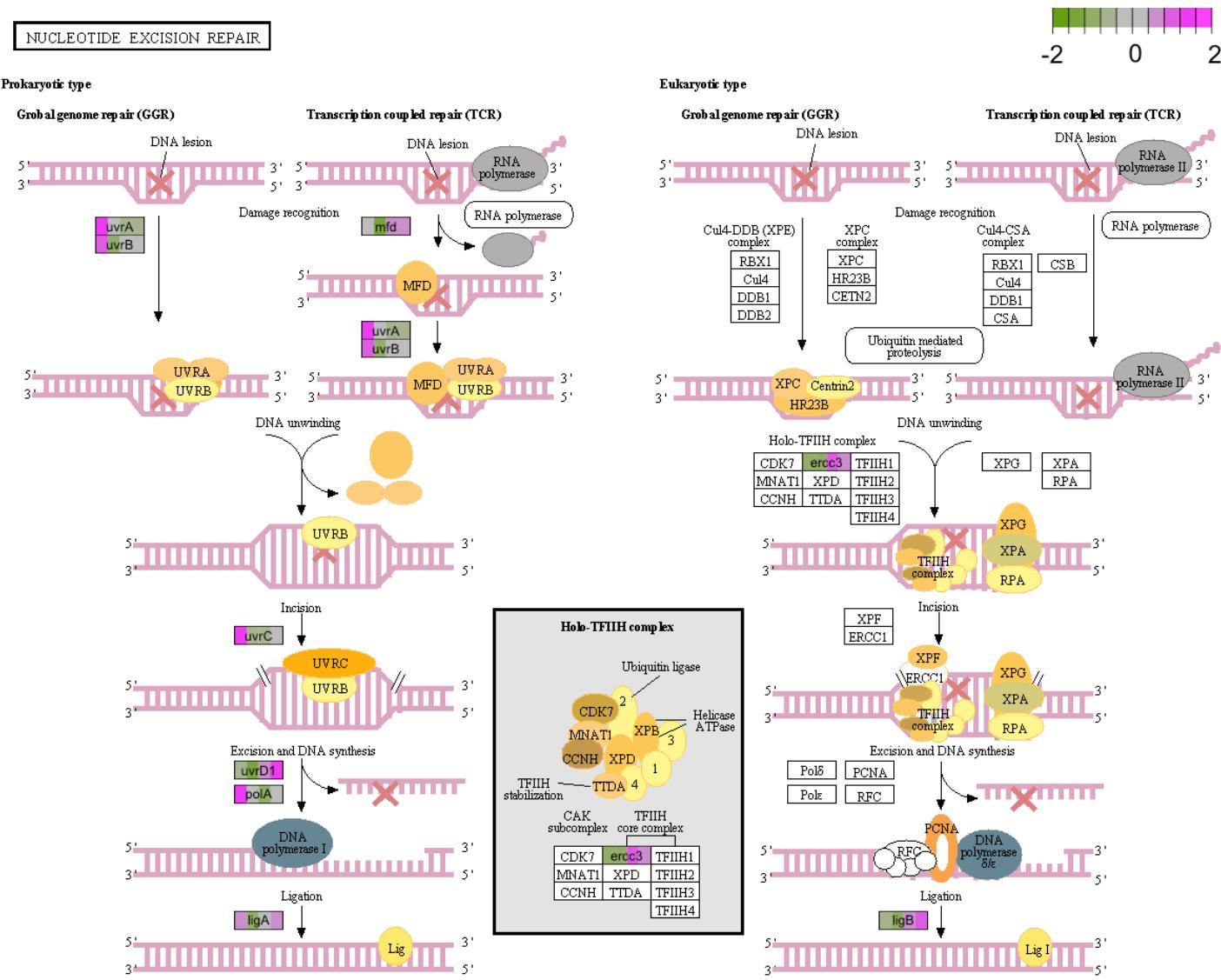
## 5' → 3' decay

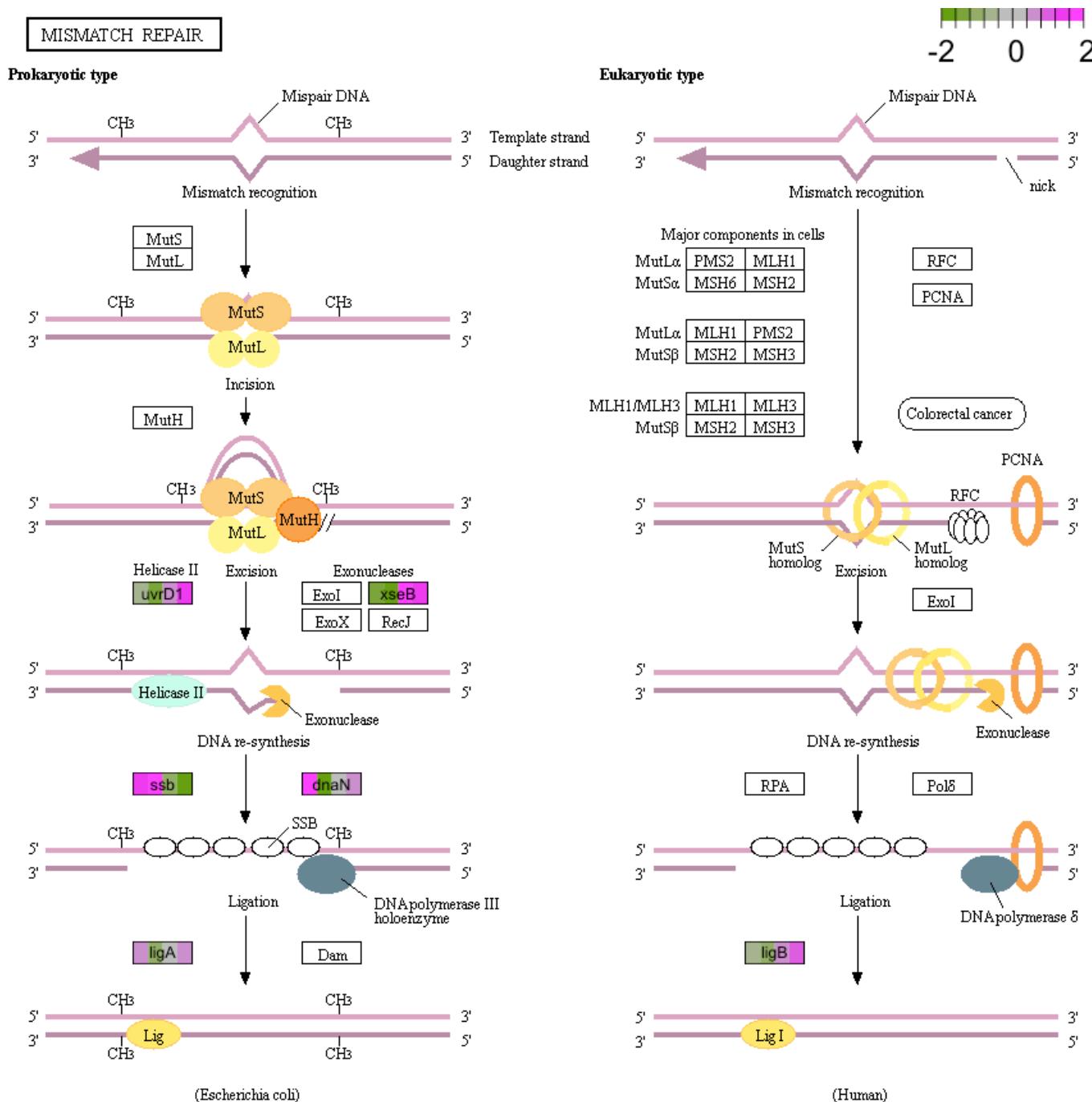


## Replication and repair



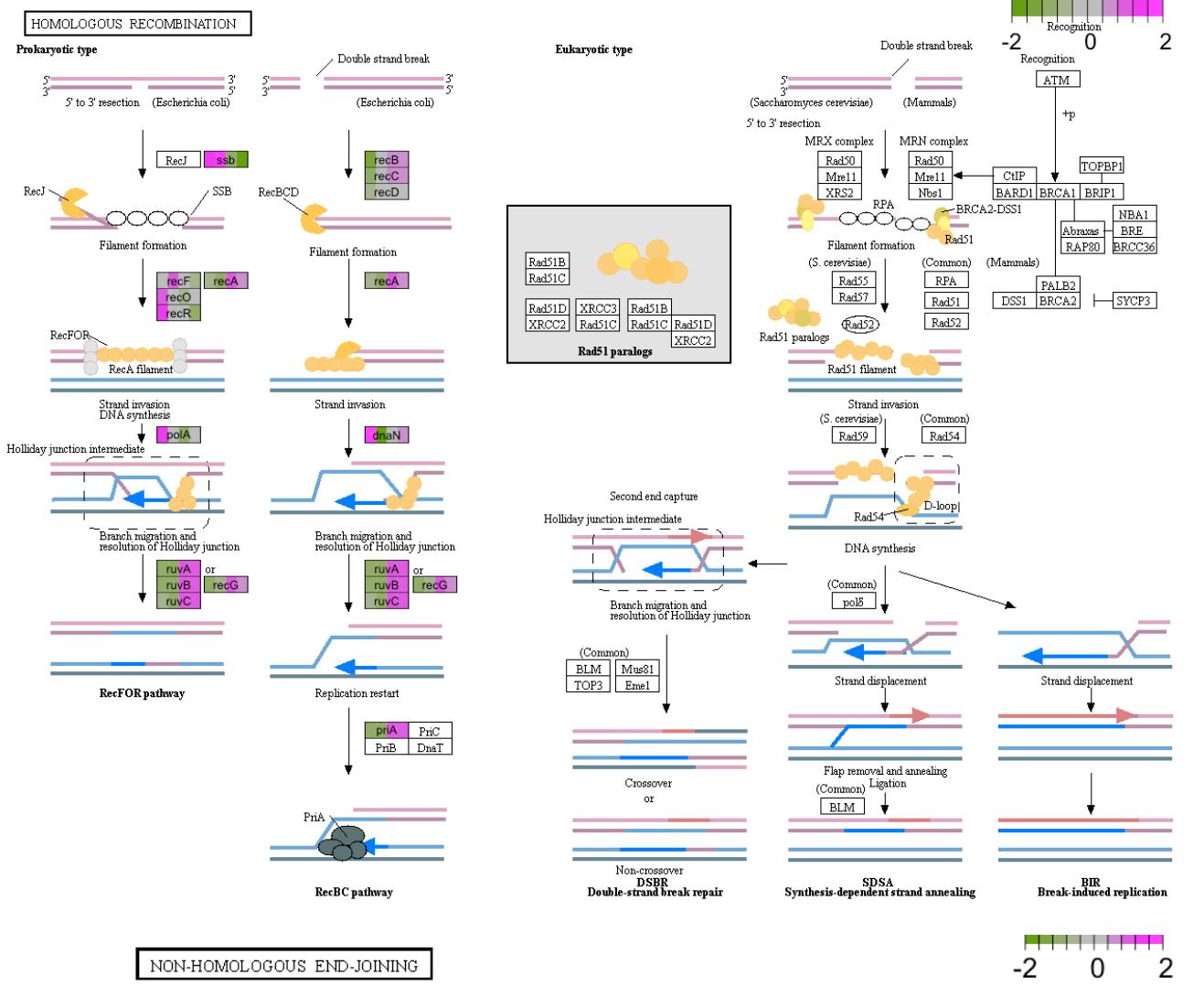




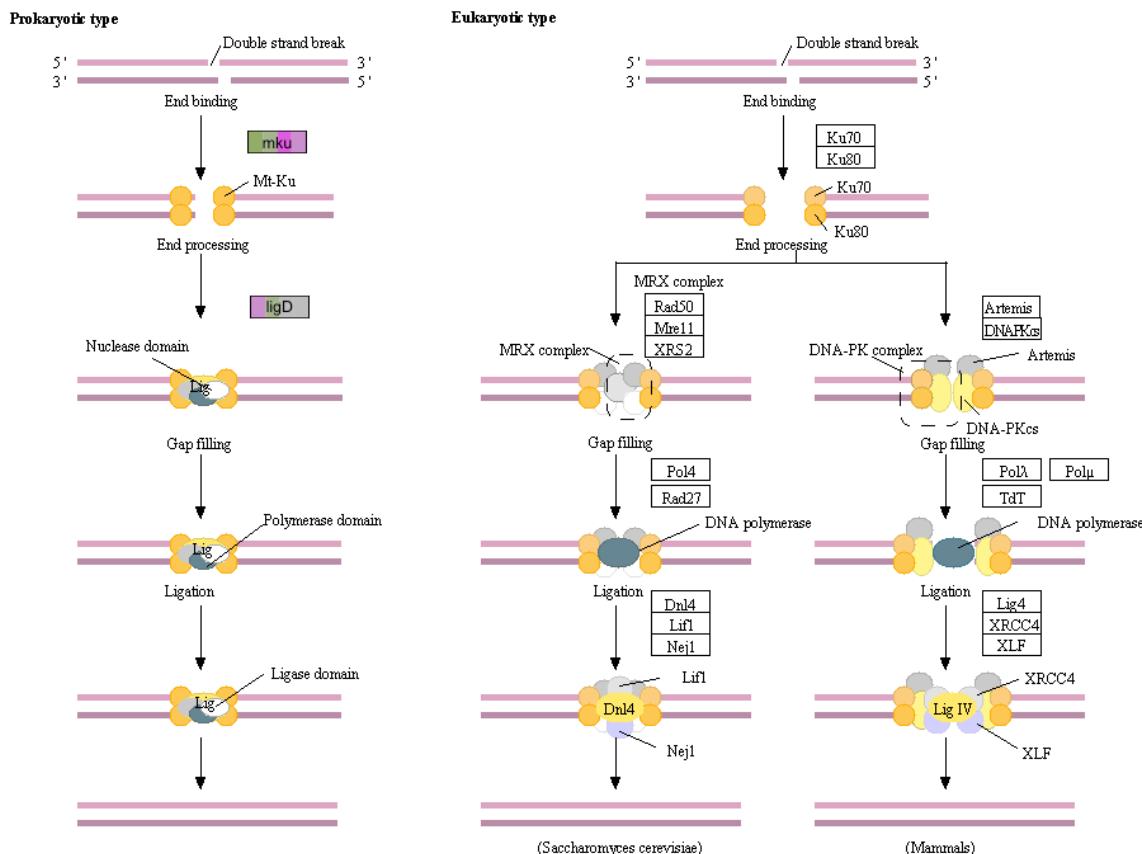


# Transcriptomics of MTB H37Rv

Act|Act\_5ala|Dorm|Dorm\_5ala

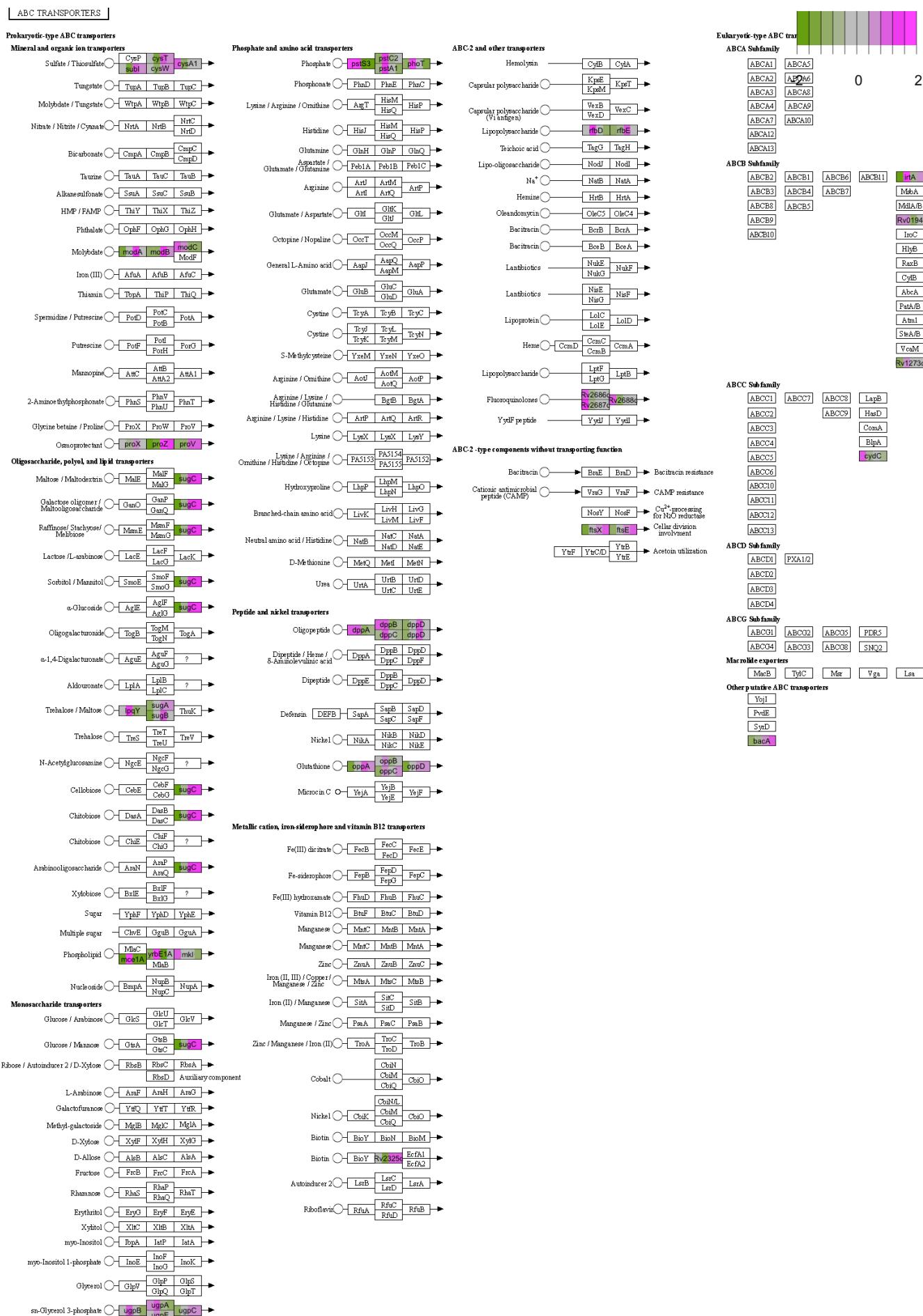


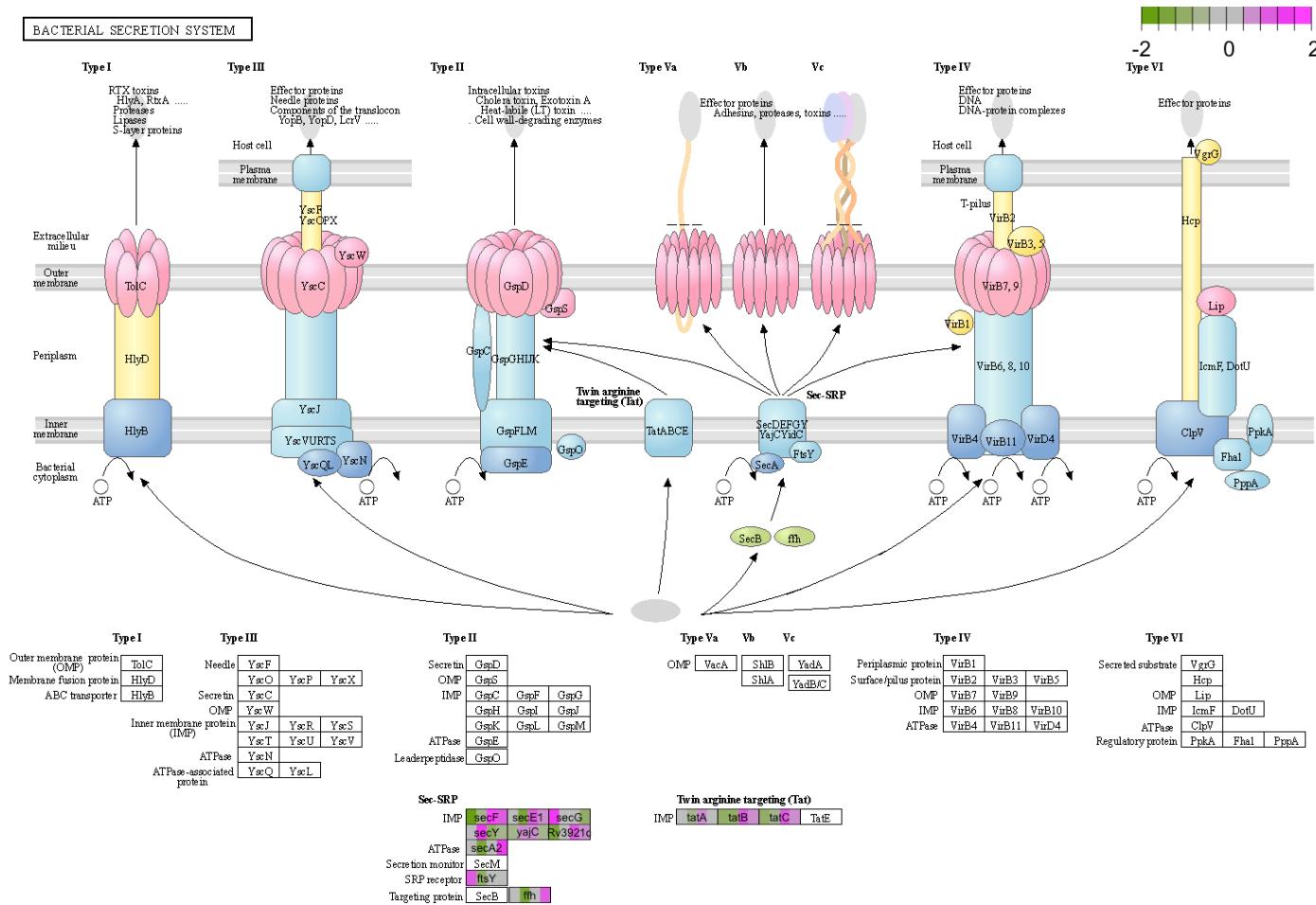
## NON-HOMOLOGOUS END-JOINING



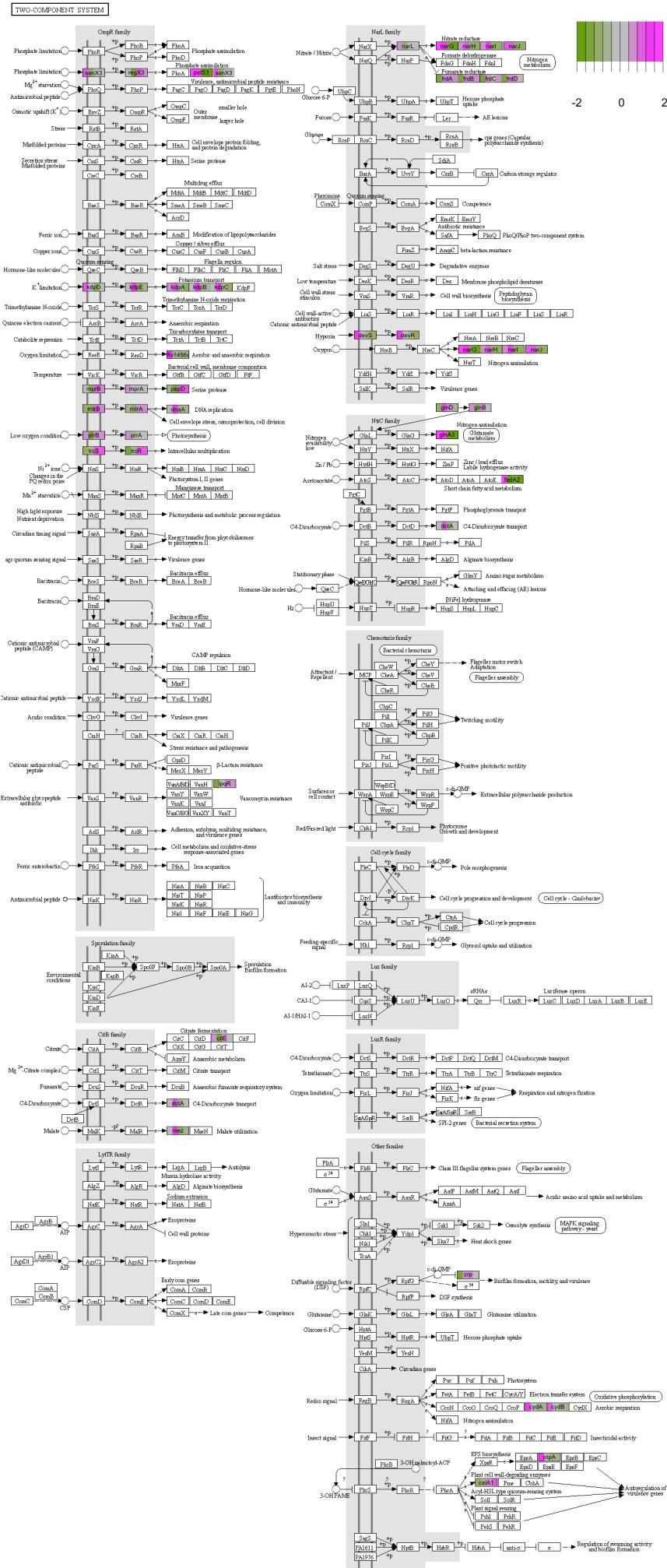
## ENVIRONMENTAL INFORMATION PROCESSING

## Membrane transport



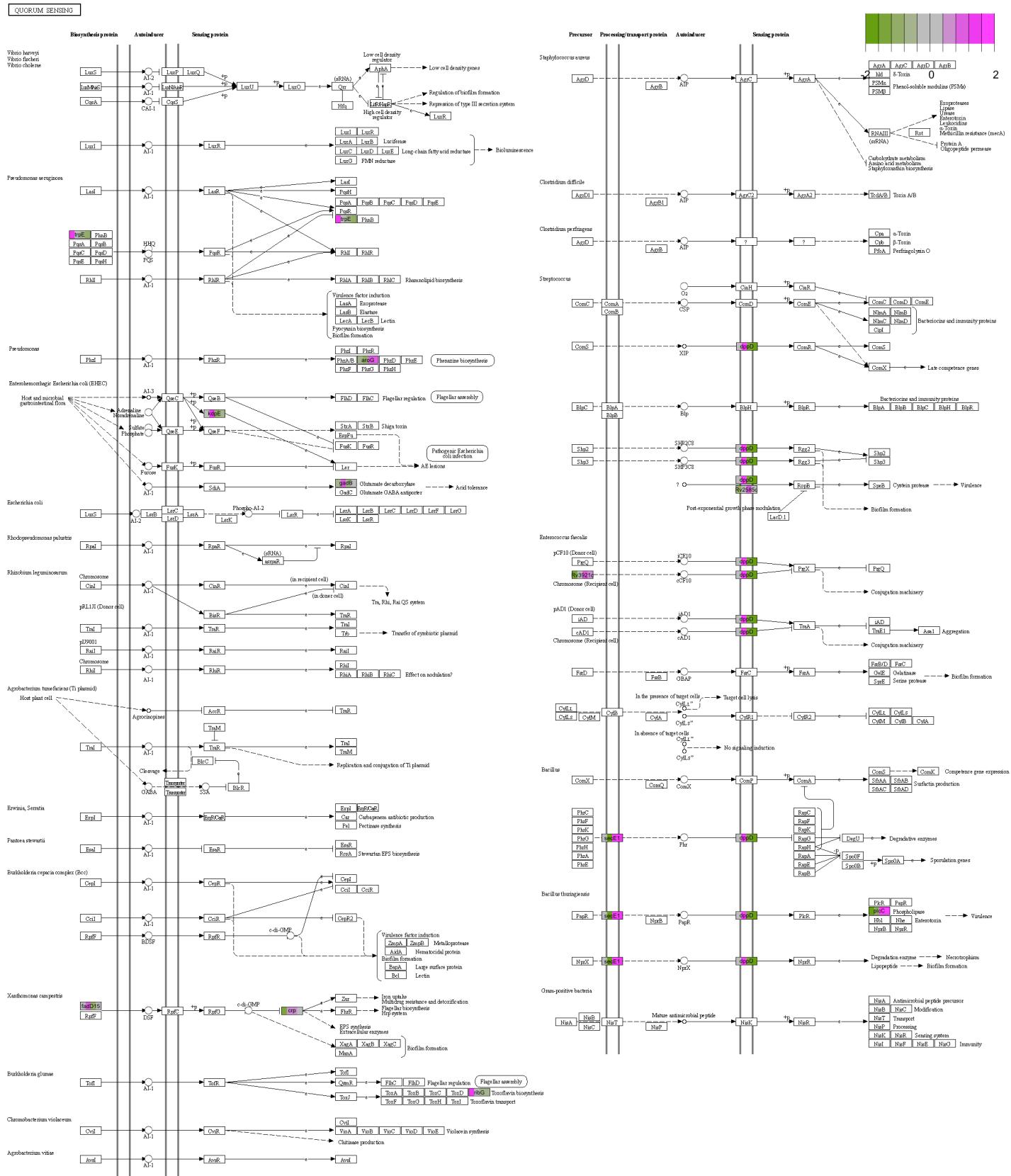


## Signal transduction

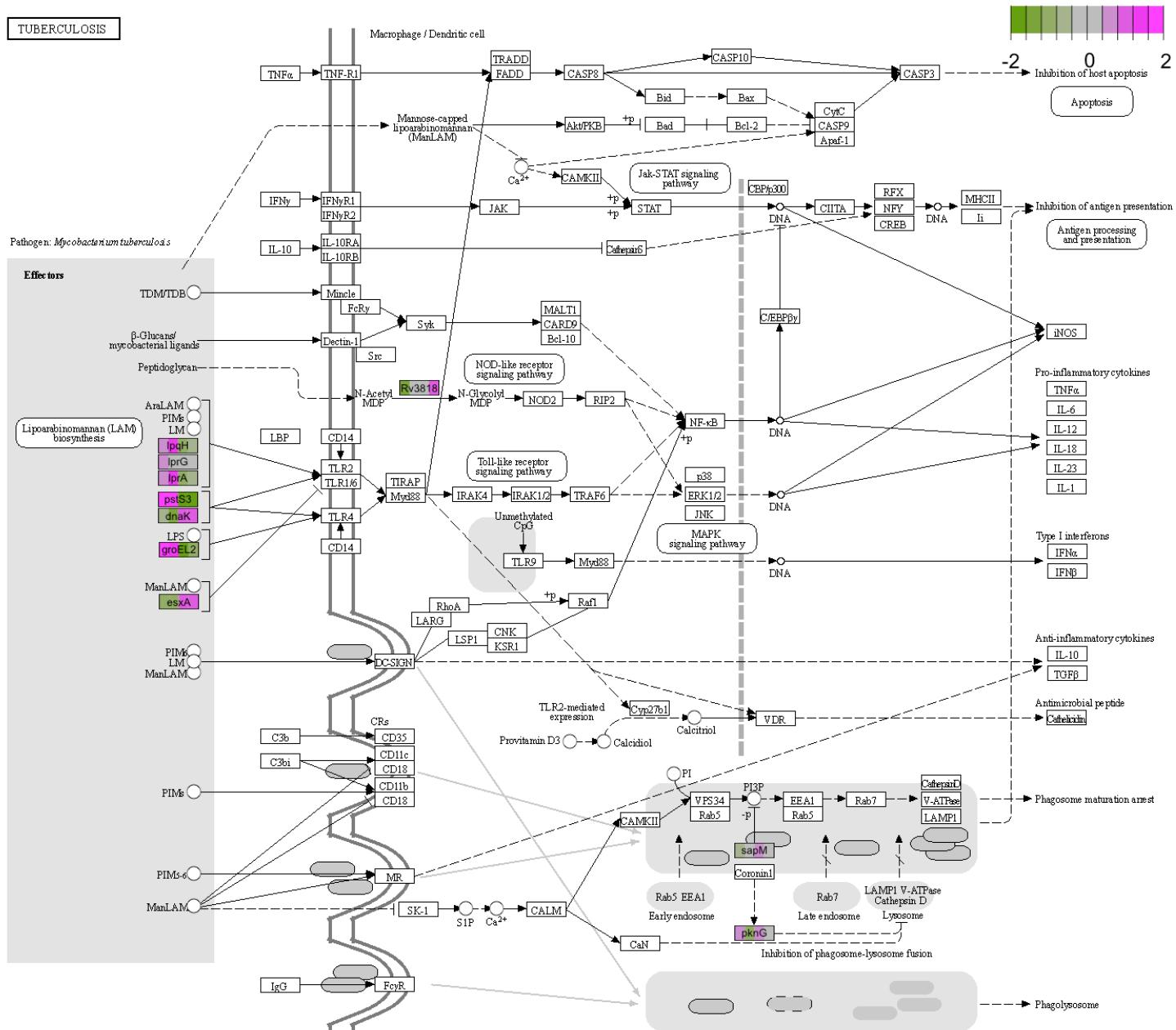


## CELLULAR PROCESSES

## Cellular community



## HUMAN DISEASES



## Drug resistance

