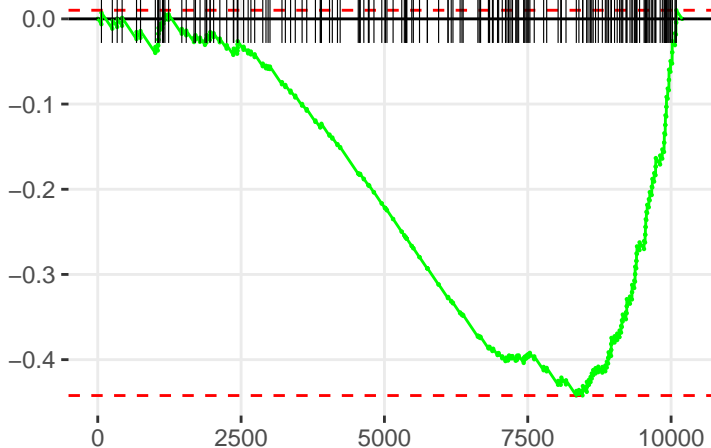


# GALACTOSE DEGRADATION I (LELOIR PATHWAY)

enrichment score

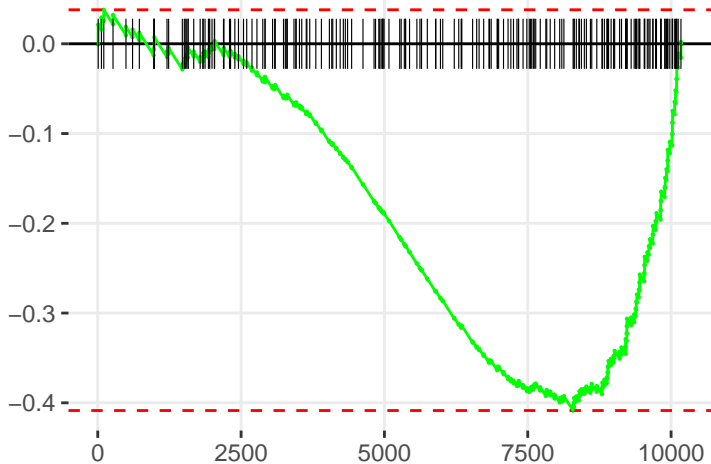
rank



# TRNA CHARGING

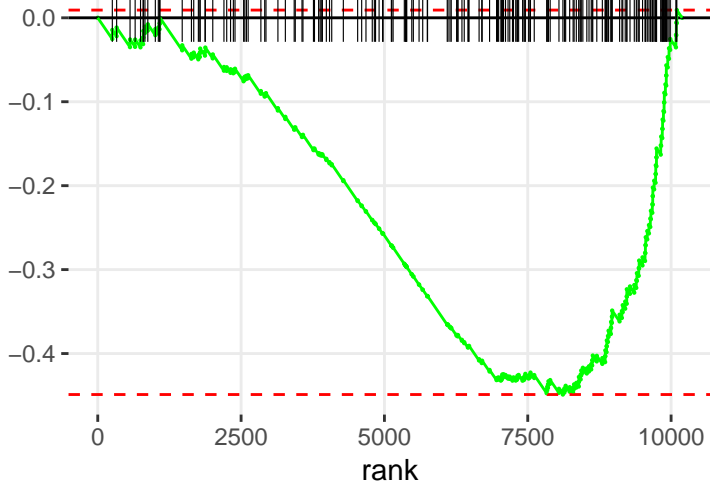
enrichment score

rank

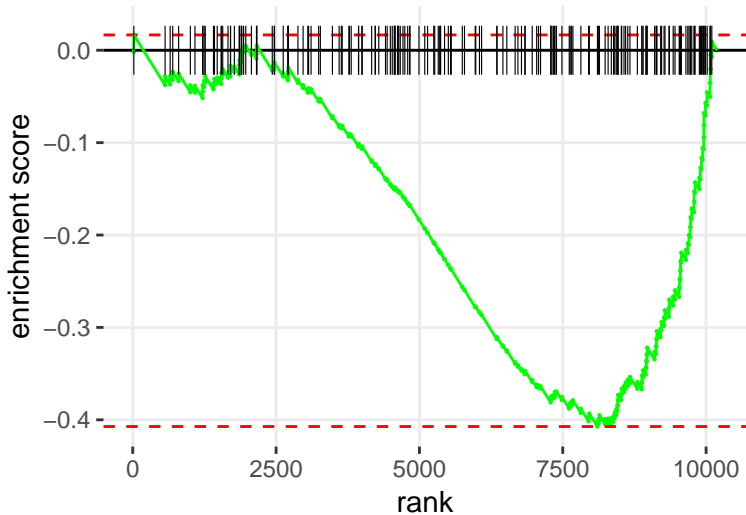


UDP-<IN</I>-ACETYL-D-GLUCOSAMINE BIOSYNTHESIS II

enrichment score



# CYSTEINE BIOSYNTHESIS/HOMOCYSTEINE DEGRADATION



# CITRULLINE DEGRADATION

enrichment score

0.0  
-0.1  
-0.2  
-0.3  
-0.4

0

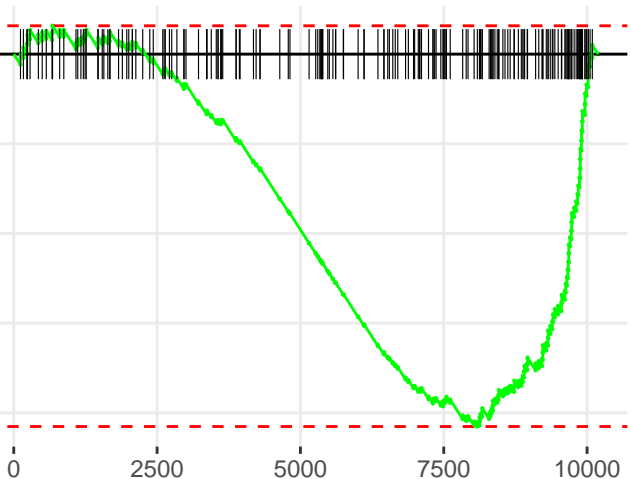
2500

5000

7500

10000

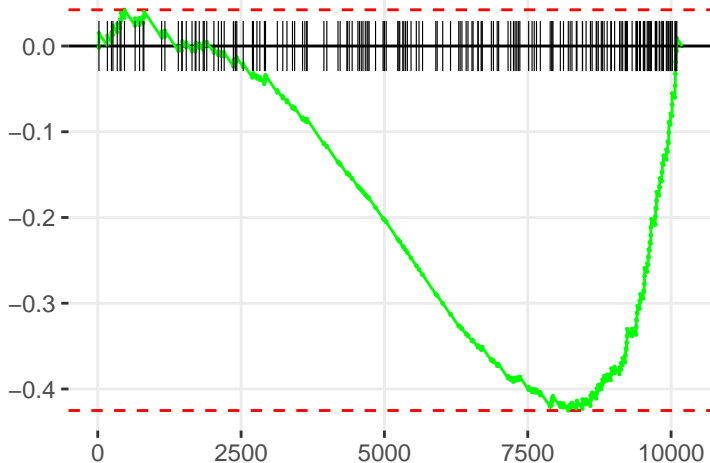
rank



# VALINE DEGRADATION I

enrichment score

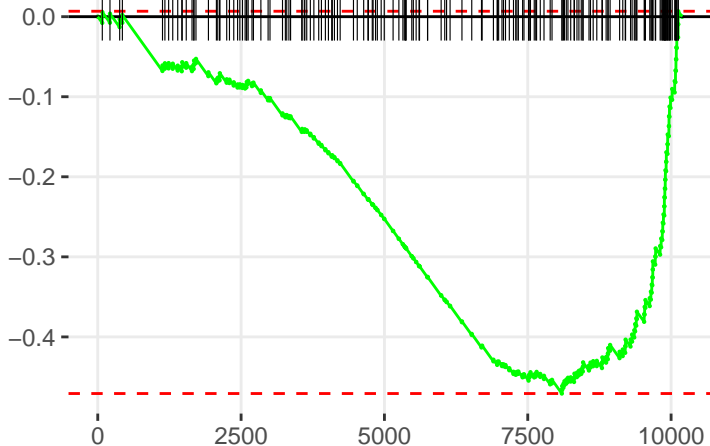
rank



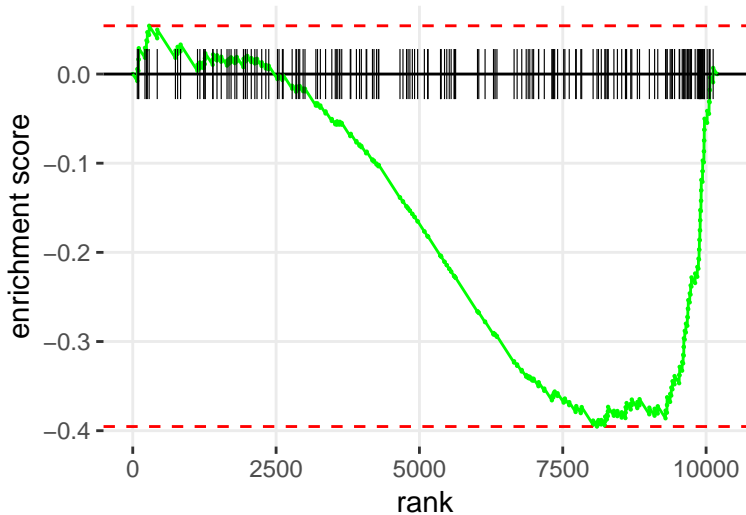
# ARGININE DEGRADATION I (ARGINASE PATHWAY)

enrichment score

rank

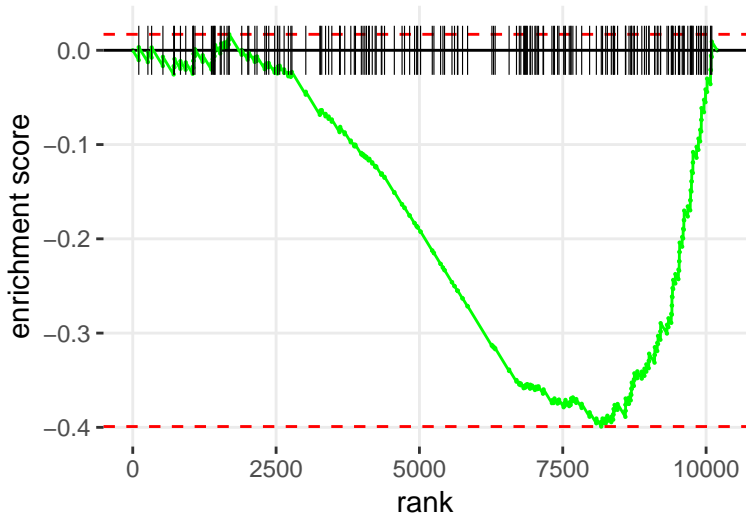


# GLYCINE CLEAVAGE

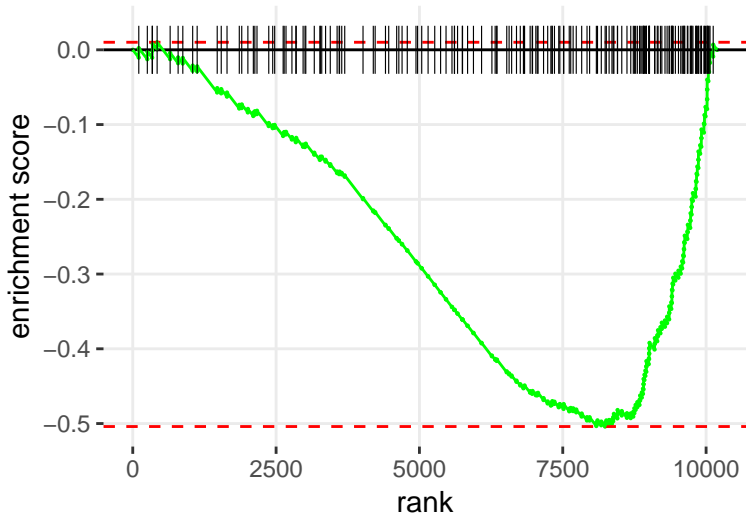




# GLUCOSE AND GLUCOSE-1-PHOSPHATE DEGRADATION



<IMYO</I>-INOSITOL BIOSYNTHESIS



# PENTOSE PHOSPHATE PATHWAY (NON-OXIDATIVE BRANCH)

enrichment score

0.0  
-0.1  
-0.2  
-0.3  
-0.4

0

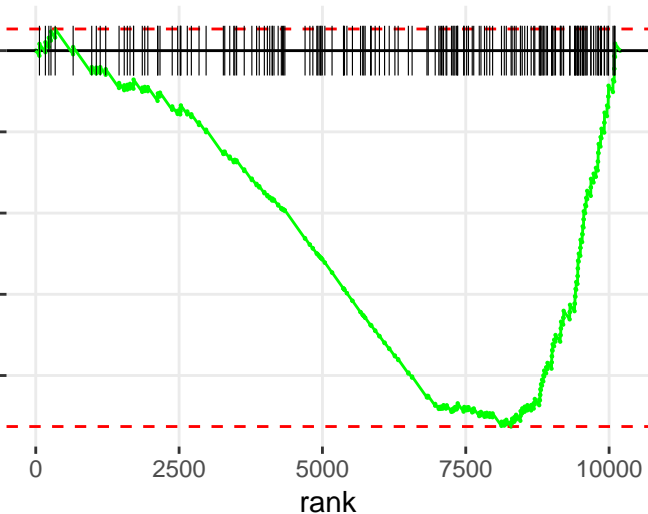
2500

5000

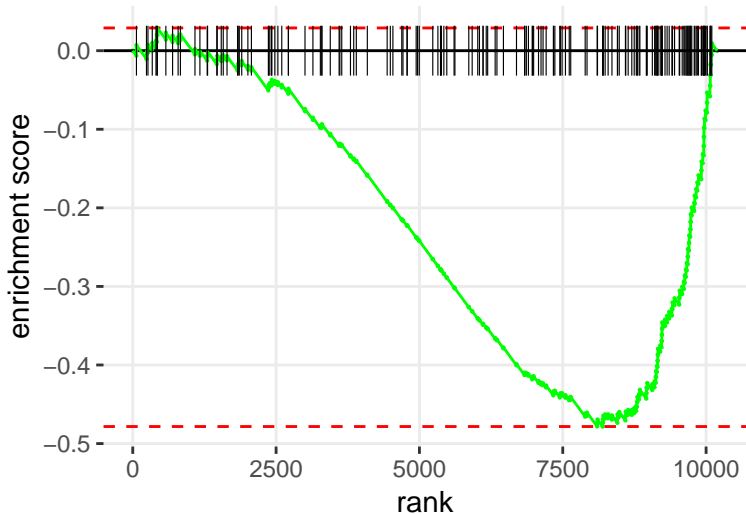
7500

10000

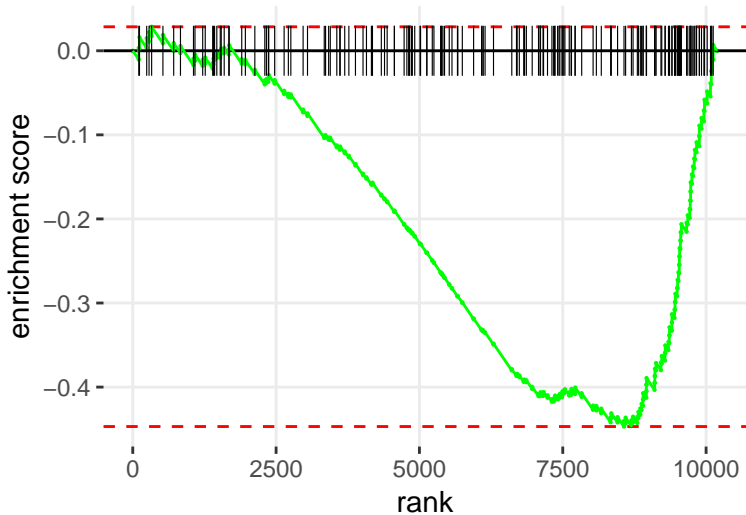
rank



# GLUTARYL-COA DEGRADATION



# TREHALOSE DEGRADATION II (TREHALASE)



# PROLINE BIOSYNTHESIS I

enrichment score

0.0  
-0.1  
-0.2  
-0.3  
-0.4

0

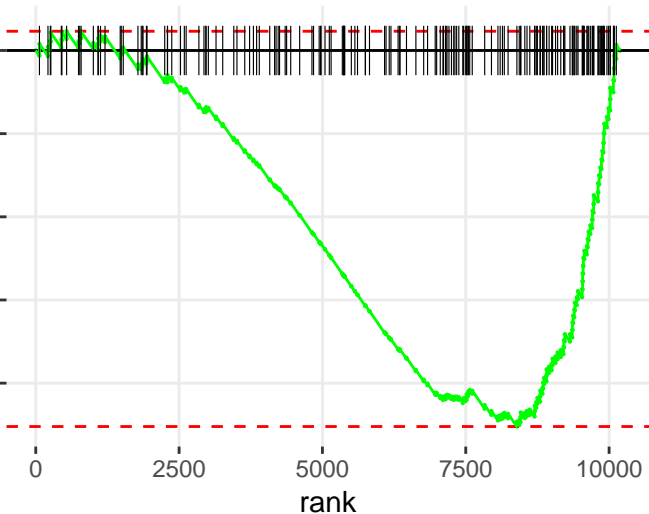
2500

5000

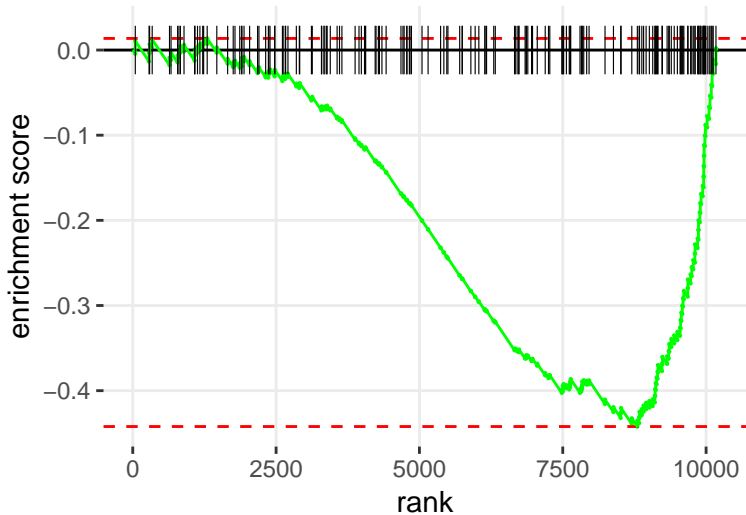
7500

10000

rank

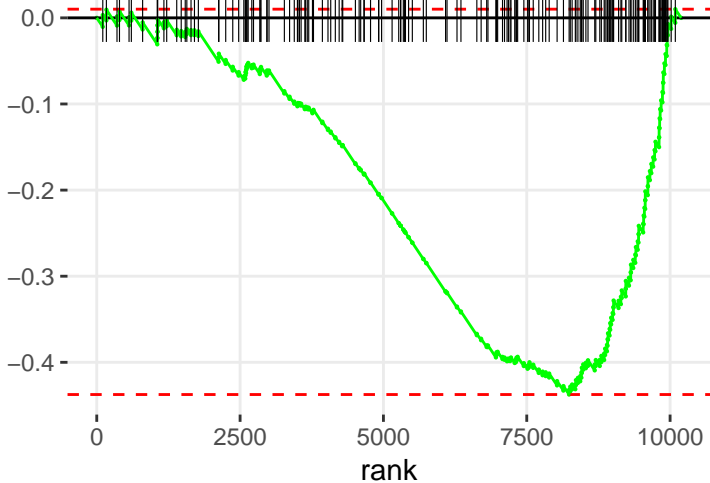


# ALANINE BIOSYNTHESIS III



# GDP-MANNOSE BIOSYNTHESIS

enrichment score

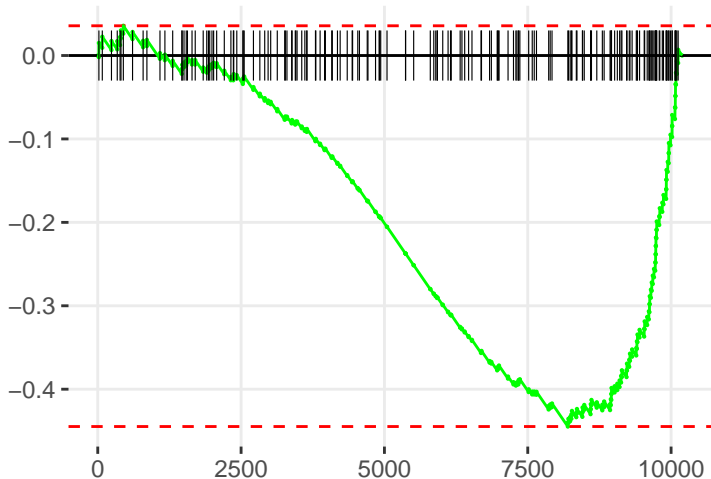




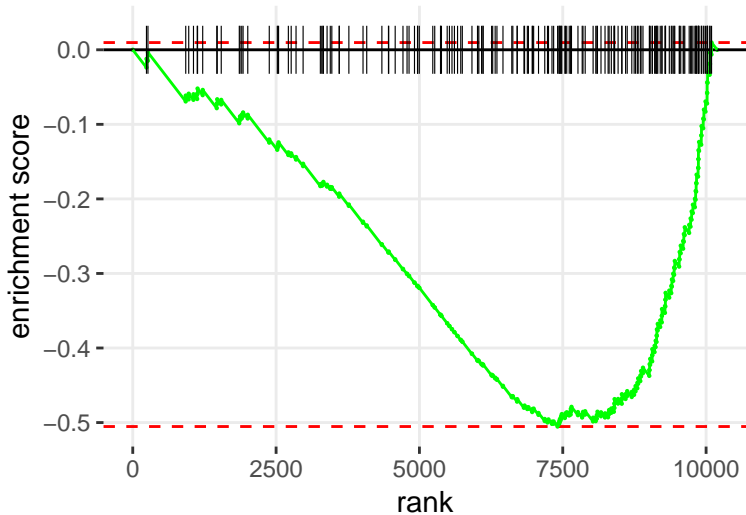
# LEUCINE DEGRADATION I

enrichment score

rank

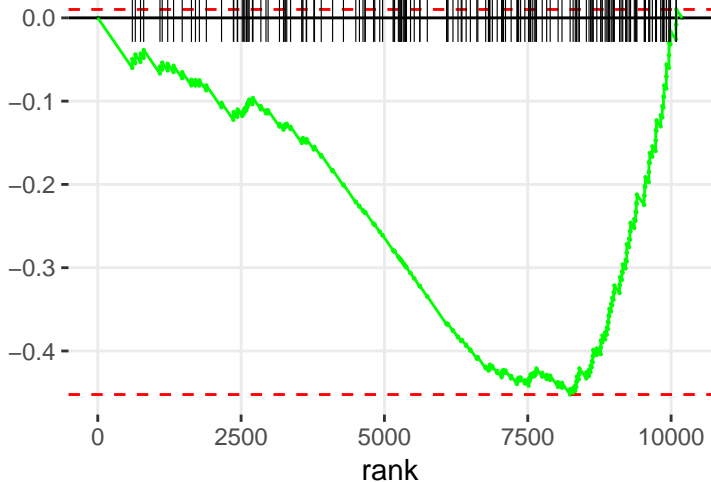


# PENTOSE PHOSPHATE PATHWAY (OXIDATIVE BRANCH)



# METHIONINE DEGRADATION I (TO HOMOCYSTEINE)

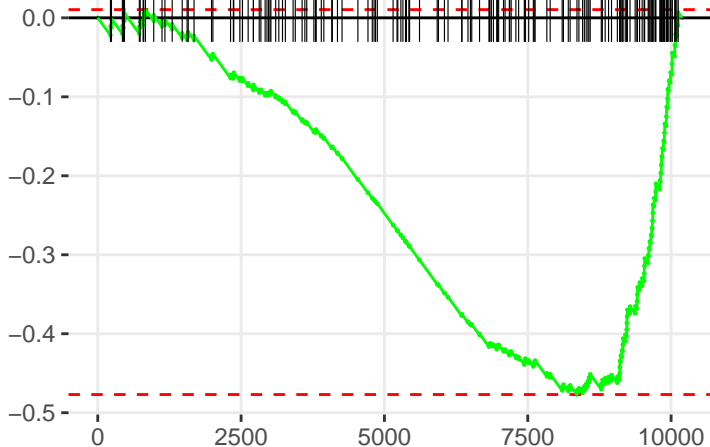
enrichment score



# PHENYLALANINE DEGRADATION IV (MAMMALIAN, VIA SIDE CHAIN)

enrichment score

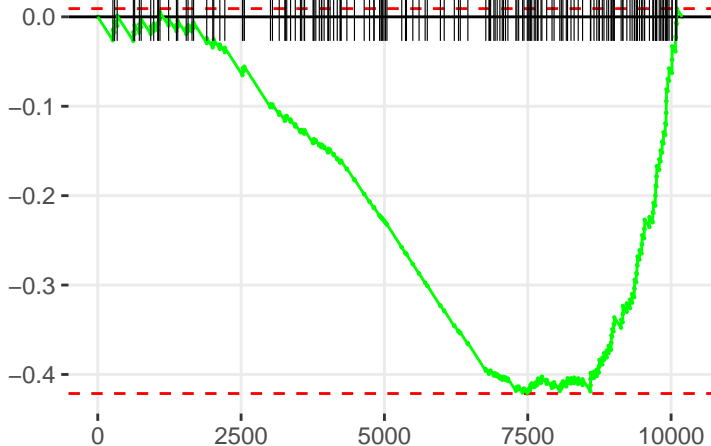
rank



# GLYCOGEN DEGRADATION II

enrichment score

rank



KETOGENESIS

enrichment score

rank

0.0

-0.1

-0.2

-0.3

-0.4

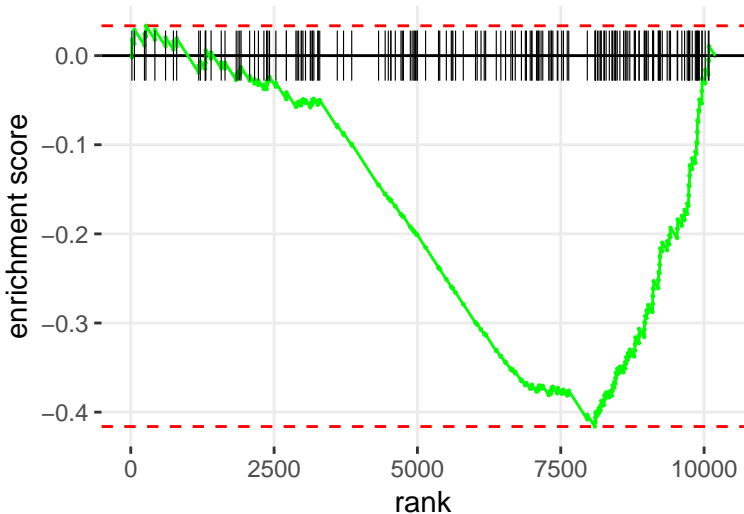
0

2500

5000

7500

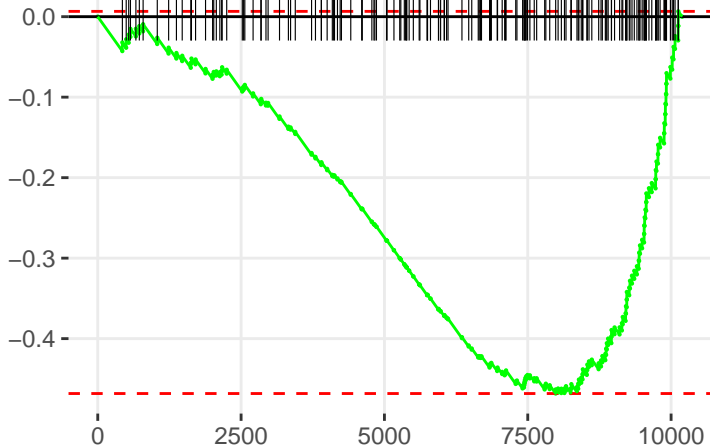
10000



# TETRAHYDROBIOPTERIN BIOSYNTHESIS II

enrichment score

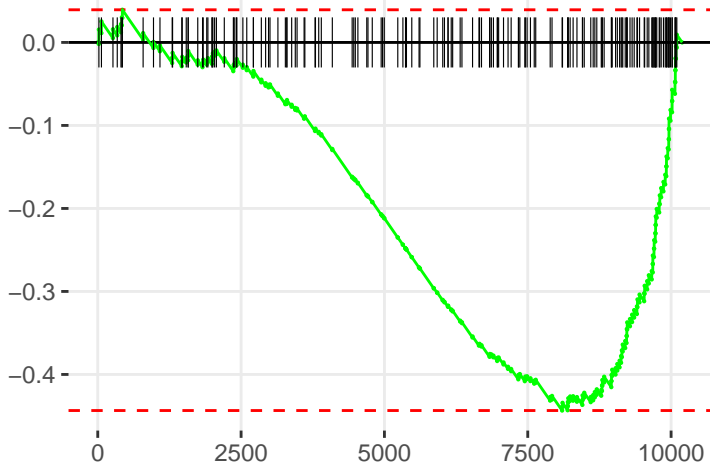
rank



KETOLYSIS

enrichment score

rank

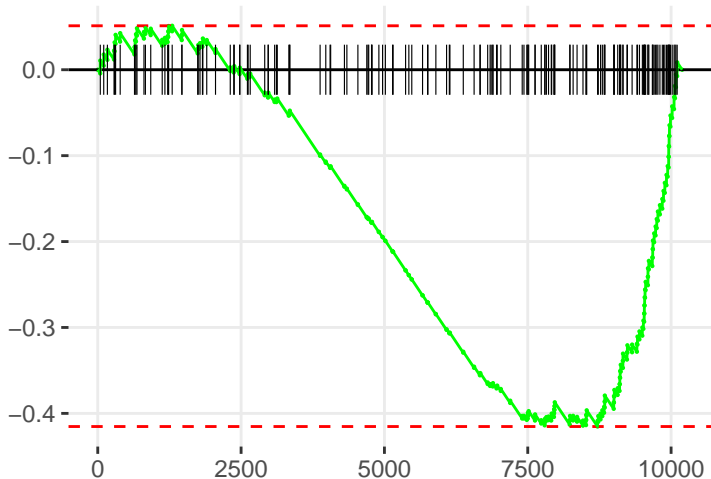




# METHYLGLYOXAL DEGRADATION I

enrichment score

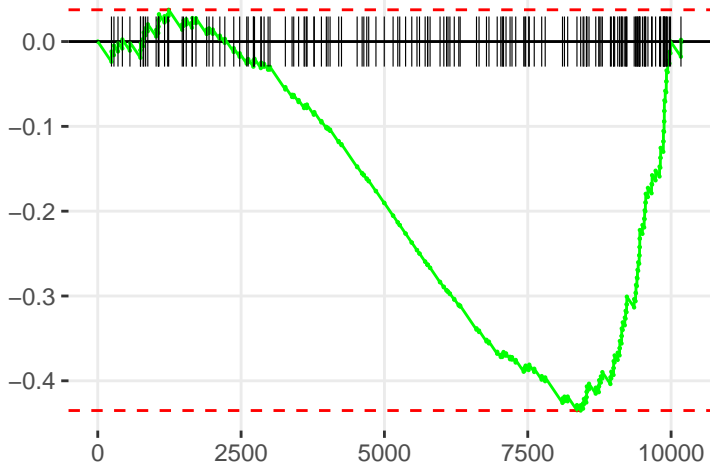
rank



# GLUCONEOGENESIS I

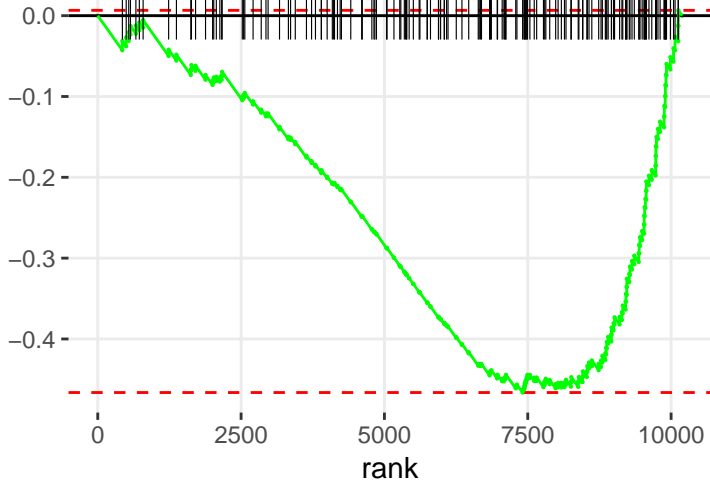
enrichment score

rank



# TETRAHYDROBIOPTERIN BIOSYNTHESIS I

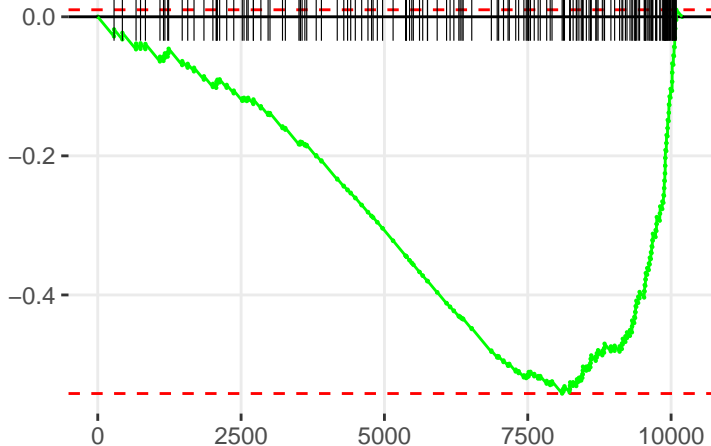
enrichment score



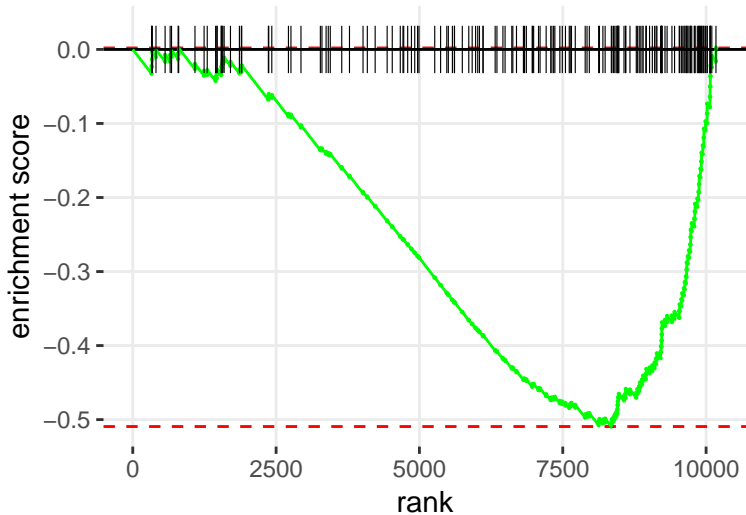
# RETINOATE BIOSYNTHESIS I

enrichment score

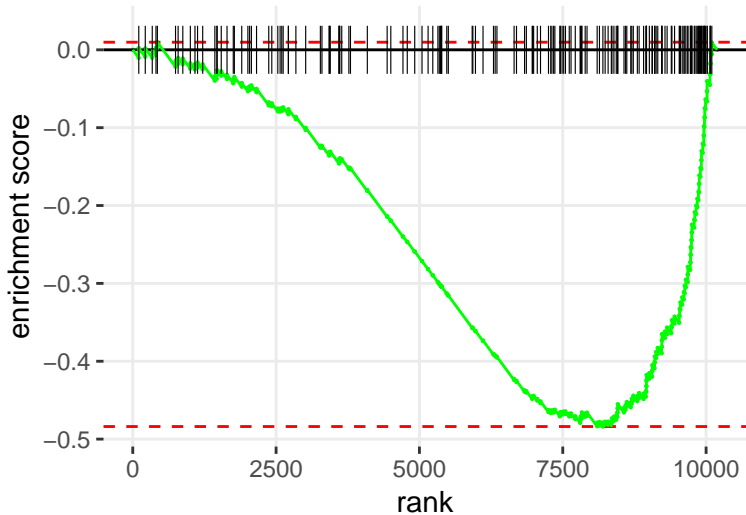
rank



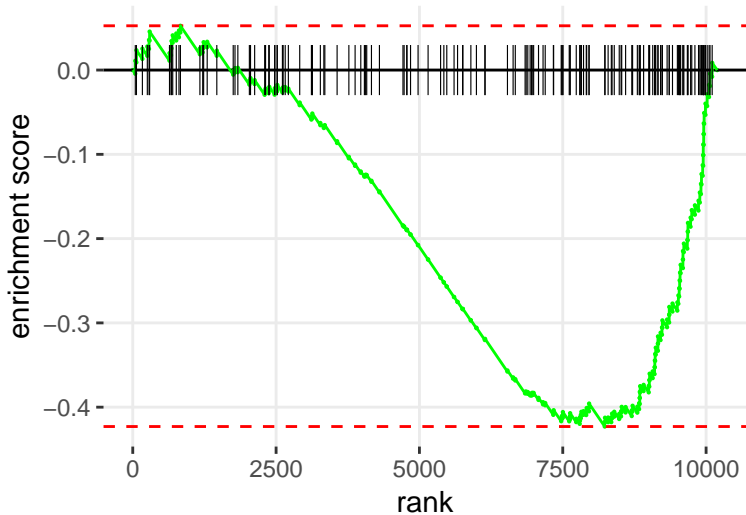
# L-CYSTEINE DEGRADATION II



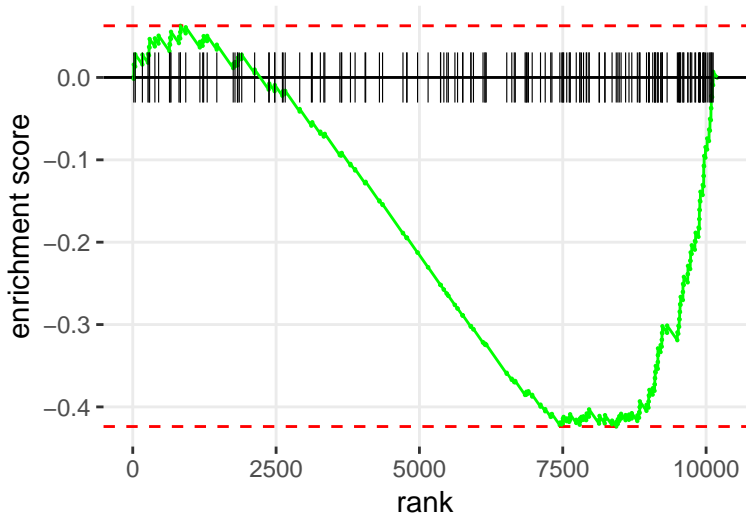
# ACETATE CONVERSION TO ACETYL-COA



# ASPARAGINE BIOSYNTHESIS I

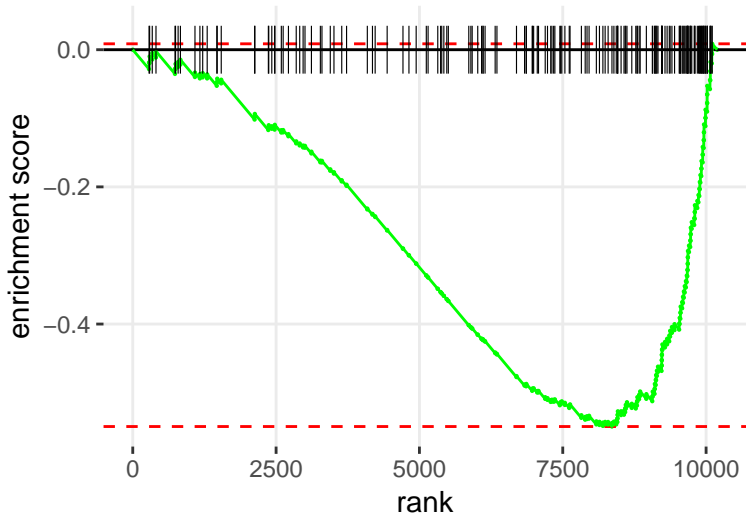


PYRIDOXAL 5'-PHOSPHATE SALVAGE PATHWAY

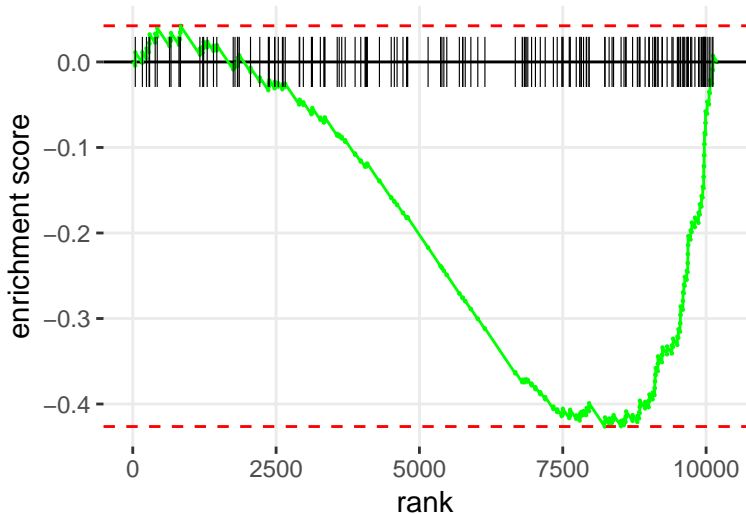




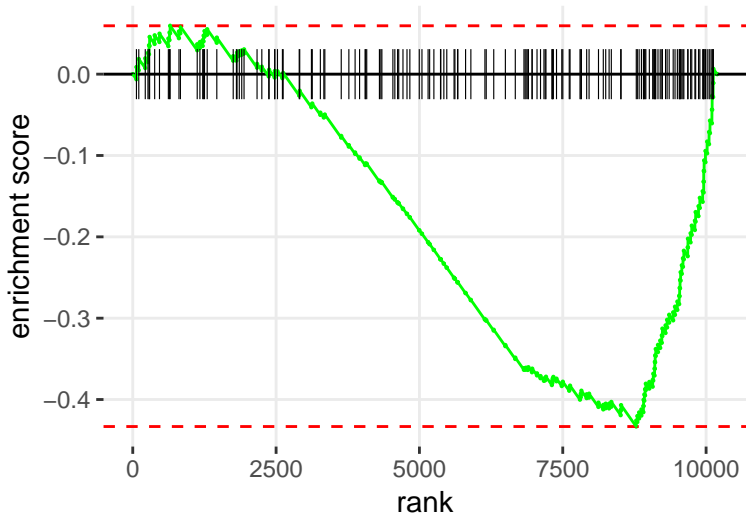
# ADENINE AND ADENOSINE SALVAGE VI



# INOSINE-5'-PHOSPHATE BIOSYNTHESIS II

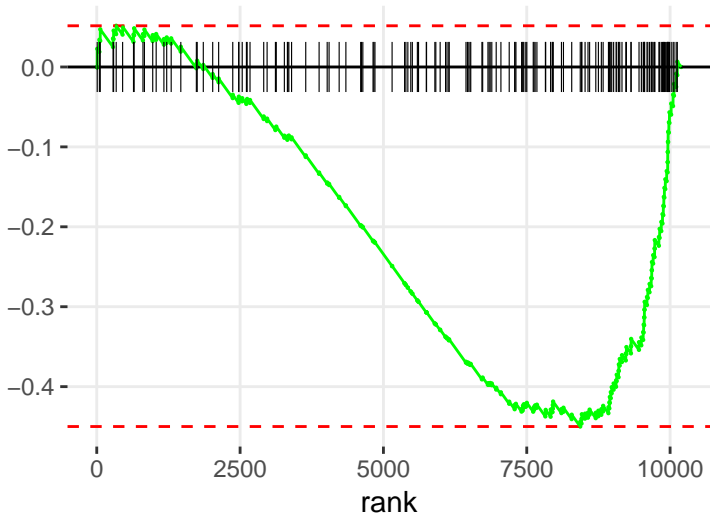


# ADENINE AND ADENOSINE SALVAGE III

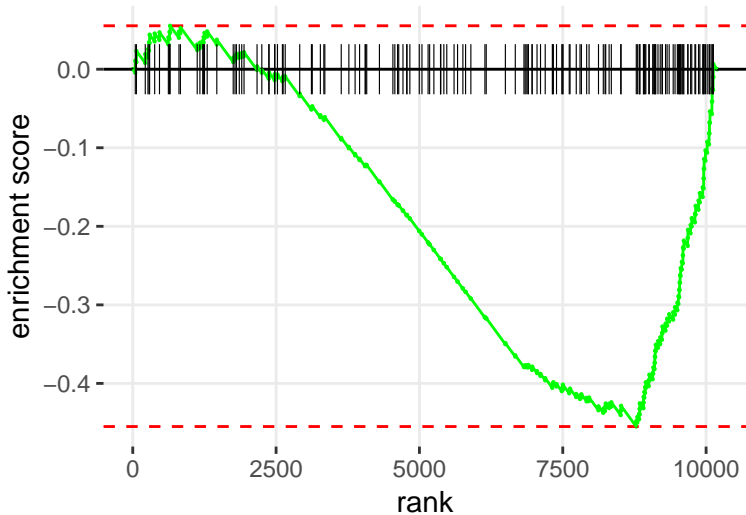


# TRYPTOPHAN DEGRADATION TO 2-AMINO-3-CARBOXYMUCONATE SEMIALDEHYDE

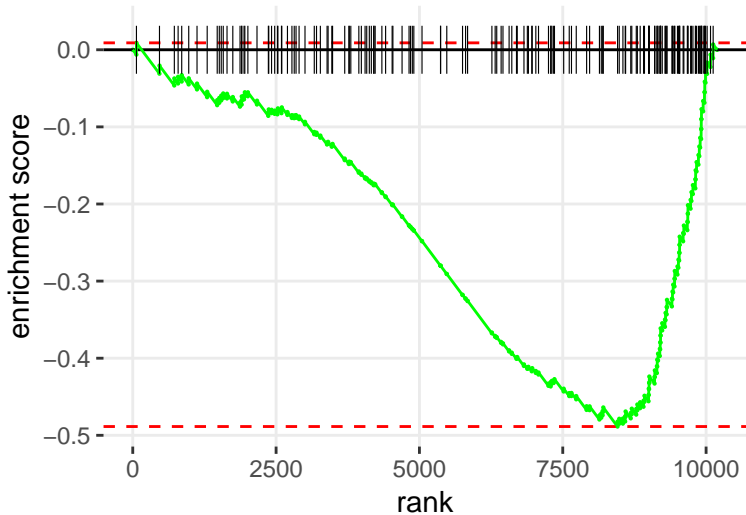
enrichment score



# GUANINE AND GUANOSINE SALVAGE I



# ASPARTATE DEGRADATION II



# GLUTAMATE DEGRADATION II

enrichment score

0.0

-0.2

-0.4

0

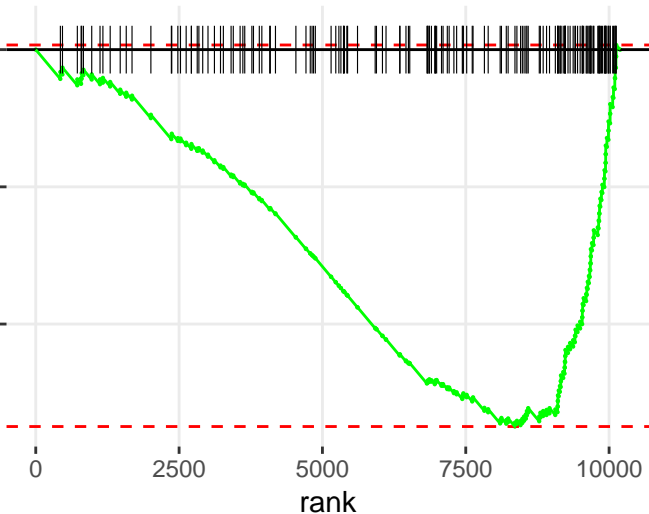
2500

5000

7500

10000

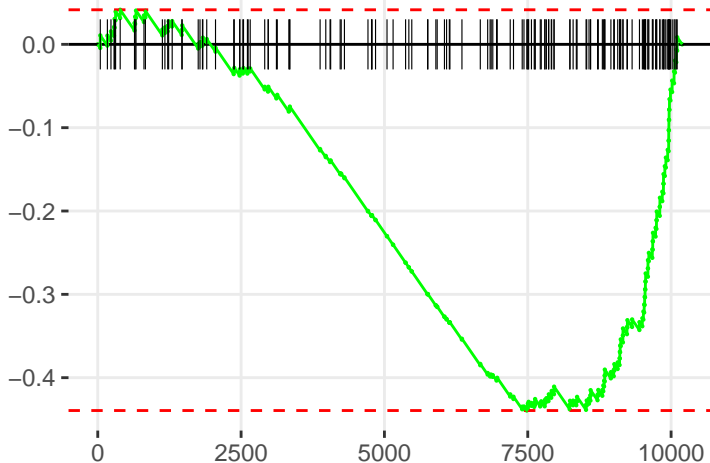
rank



# GLUTATHIONE BIOSYNTHESIS

enrichment score

rank





FATTY ACID & BETA;-OXIDATION III (UNSATURATED, ODD NUMBER)

enrichment score

0.0

-0.1

-0.2

-0.3

-0.4

0

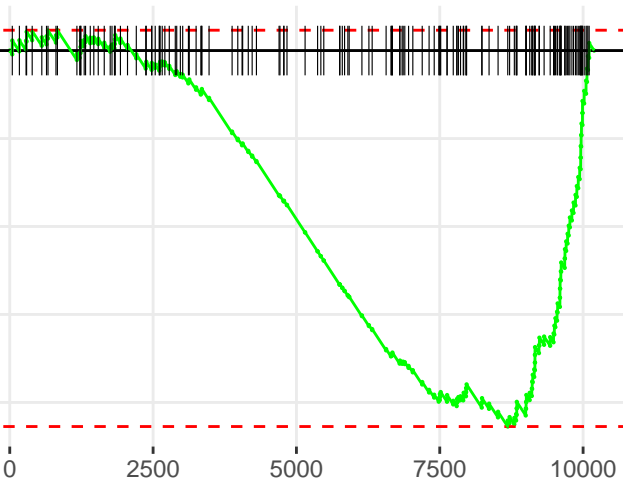
2500

5000

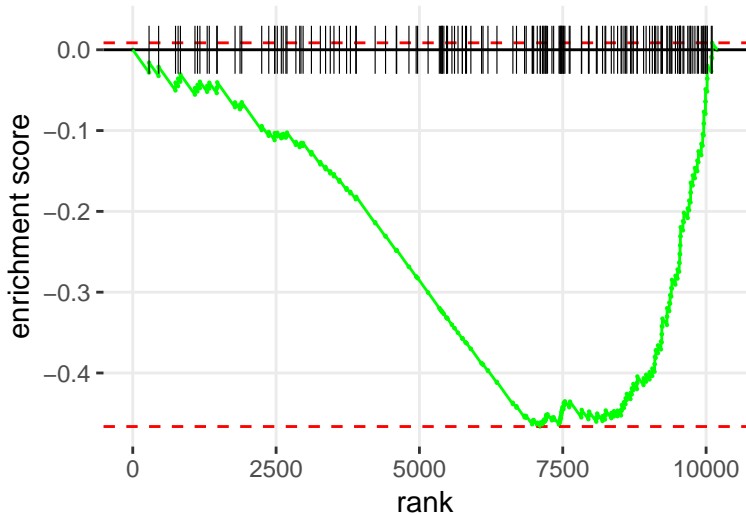
7500

10000

rank

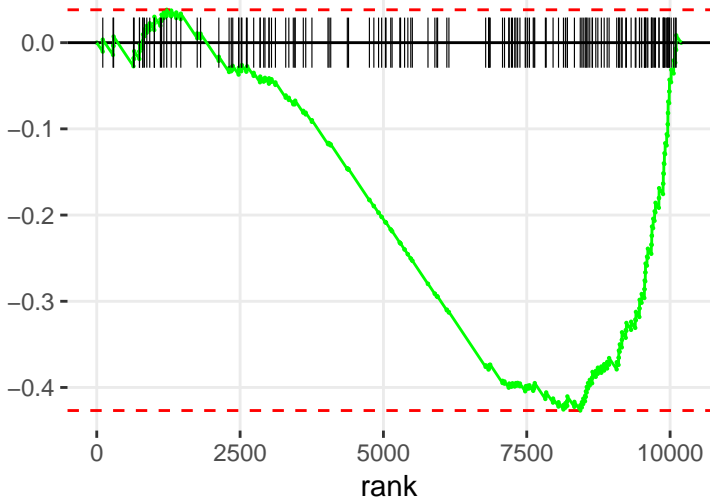


# HYPUSINE BIOSYNTHESIS



# PRPP BIOSYNTHESIS I

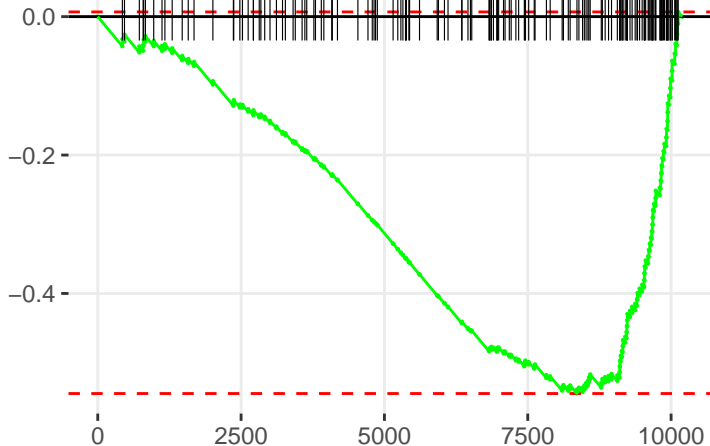
enrichment score



# ASPARTATE BIOSYNTHESIS

enrichment score

rank



# D-MANNOSE DEGRADATION

enrichment score

0.0

-0.2

-0.4

0

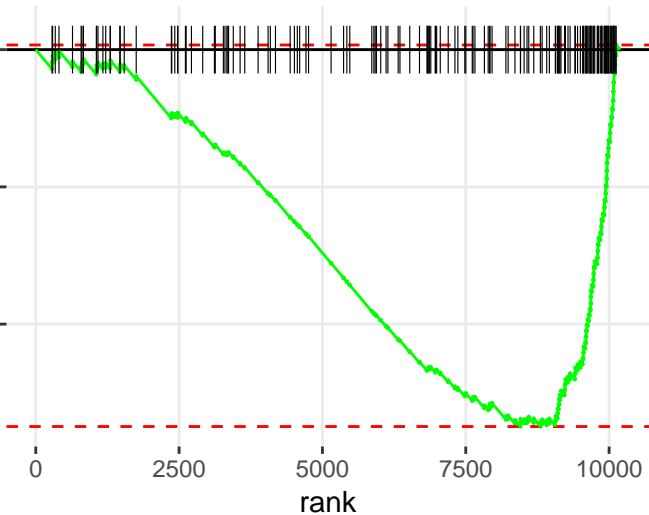
2500

5000

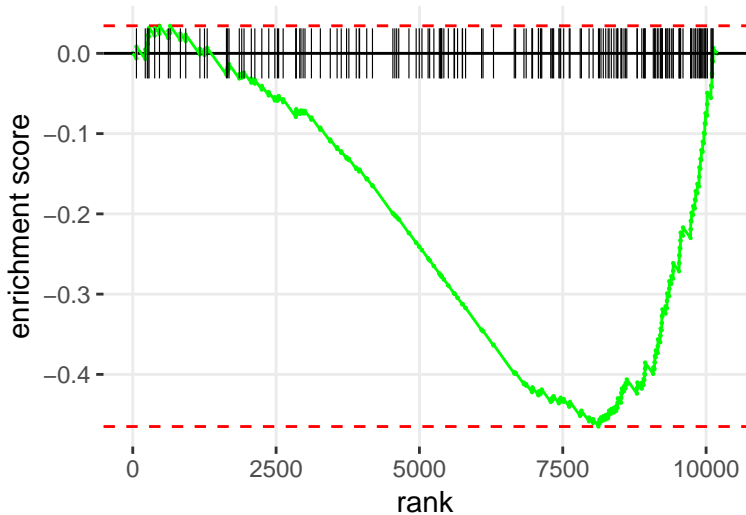
7500

10000

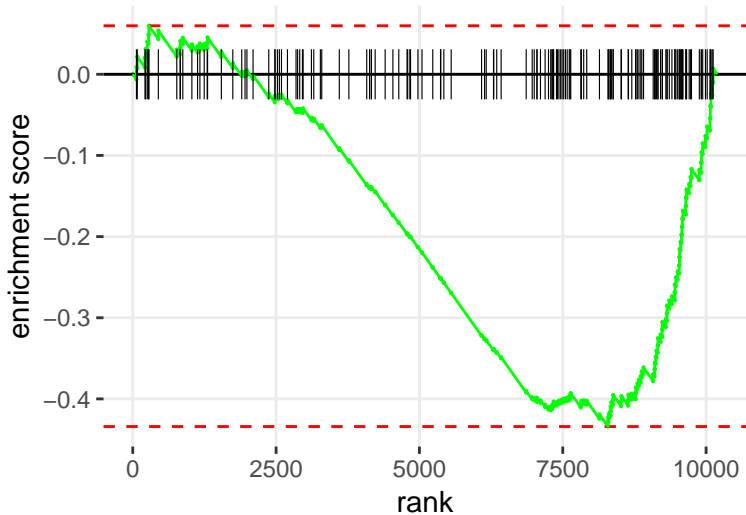
rank



# ADENINE AND ADENOSINE SALVAGE I

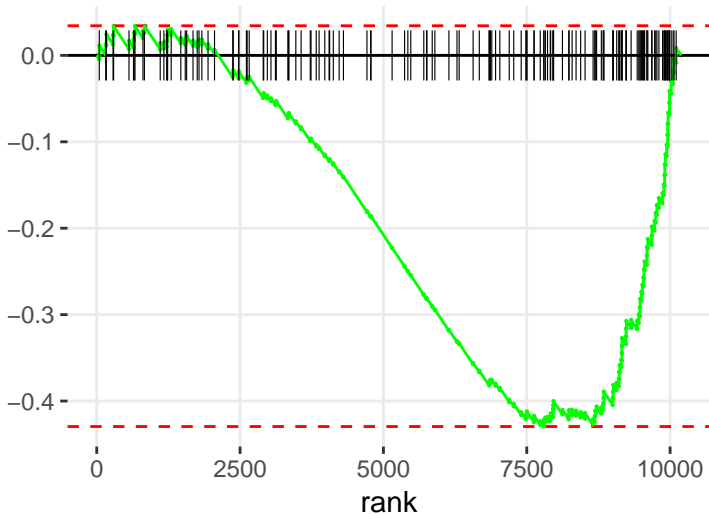


# SERINE BIOSYNTHESIS



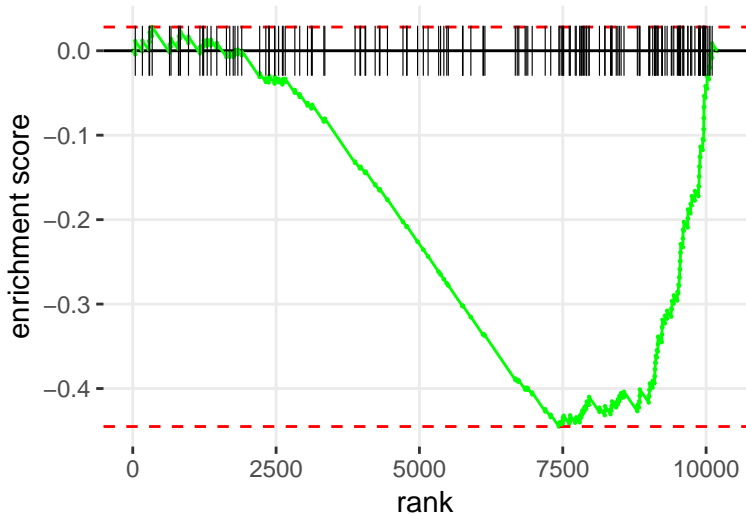
# THIOREDOXIN PATHWAY

enrichment score

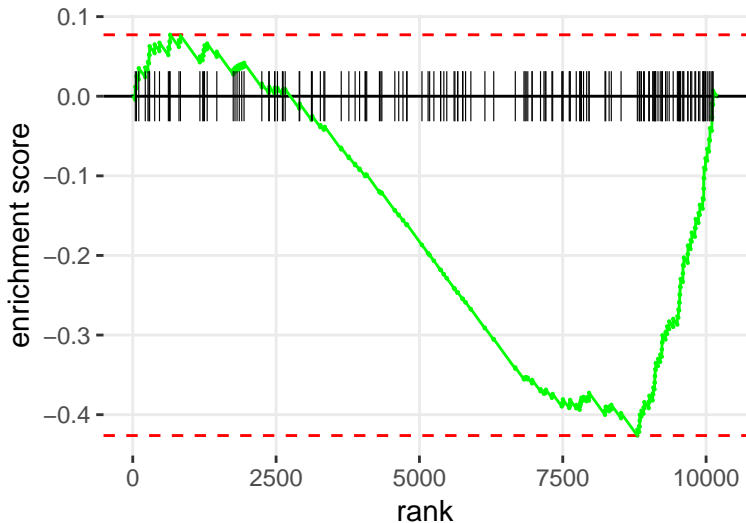




# DOLICHOL AND DOLICHYL PHOSPHATE BIOSYNTHESIS

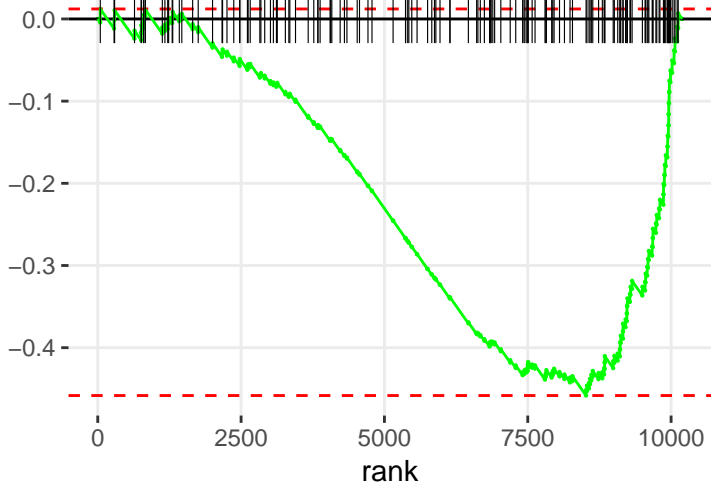


# PURINE RIBONUCLEOSIDES DEGRADATION TO RIBOSE-1-PHOSPHATE



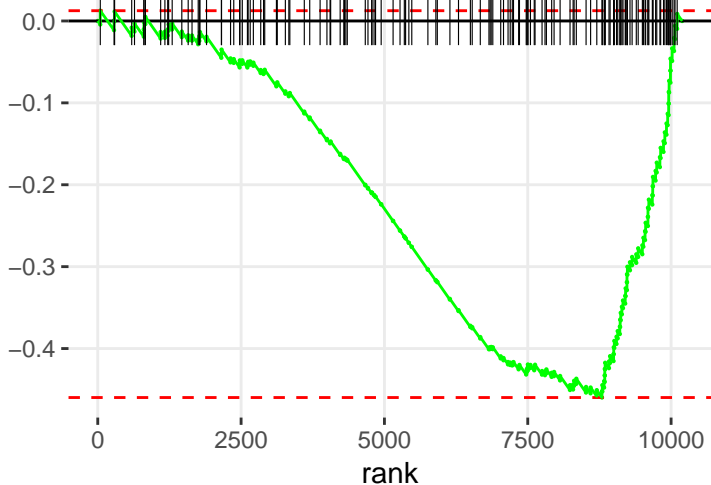
# TRIACYLGLYCEROL DEGRADATION

enrichment score

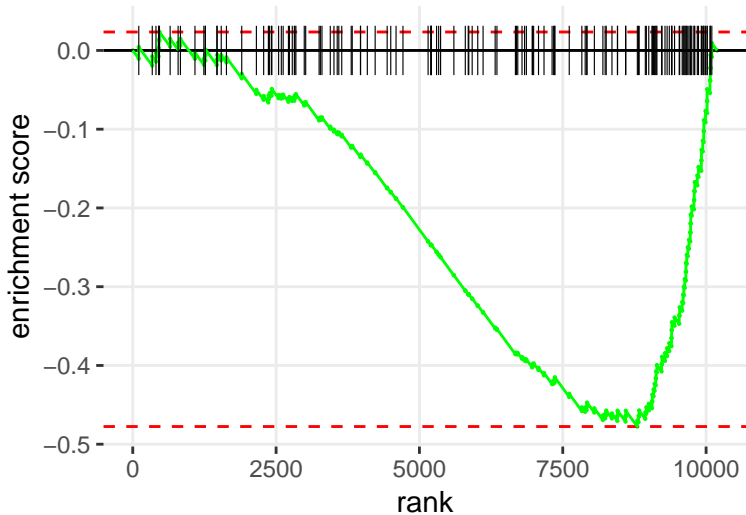


# GLUTAMINE BIOSYNTHESIS I

enrichment score



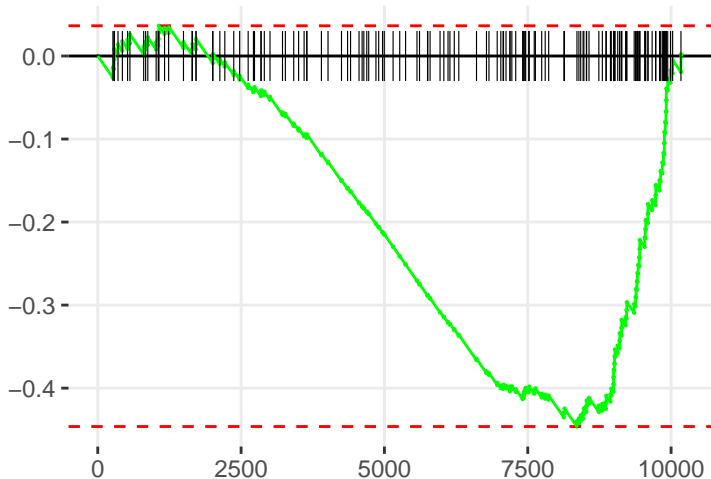
# BILE ACID BIOSYNTHESIS, NEUTRAL PATHWAY



# GLYCOLYSIS I

enrichment score

rank



# GLUTATHIONE REDOX REACTIONS I

enrichment score

0.0  
-0.1  
-0.2  
-0.3  
-0.4

0

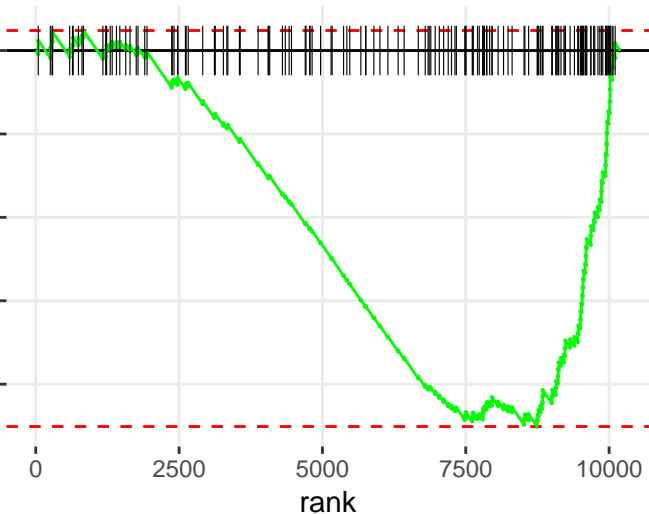
2500

5000

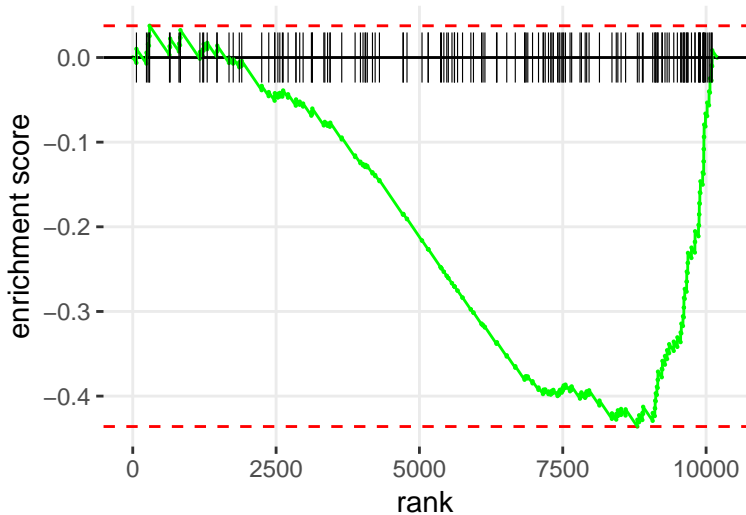
7500

10000

rank



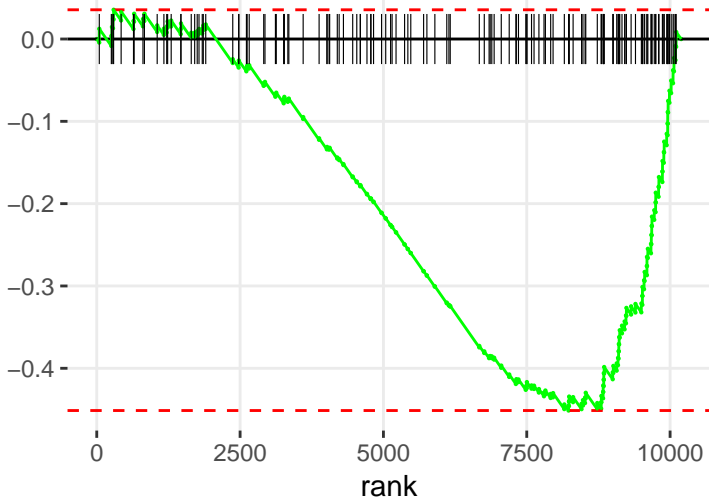
# SPERMIDINE BIOSYNTHESIS I





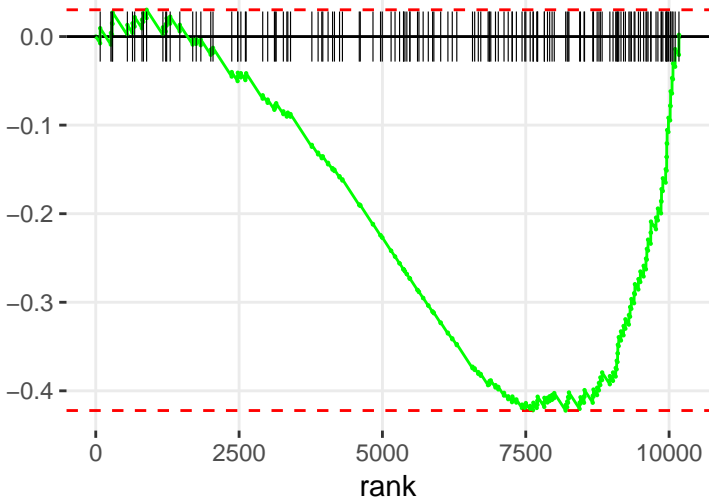
D-IMYO-I-INOSITOL (1,4,5)-TRISPHOSPHATE DEGRADATION

enrichment score



# ACYL-COA HYDROLYSIS

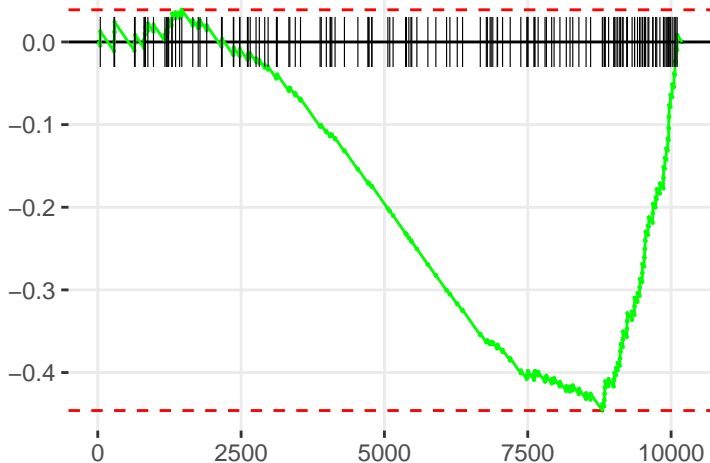
enrichment score



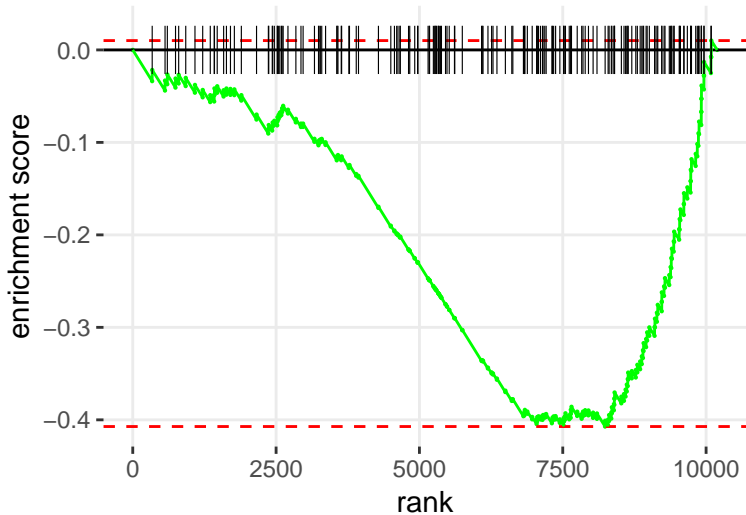
# GLYCEROL DEGRADATION I

enrichment score

rank

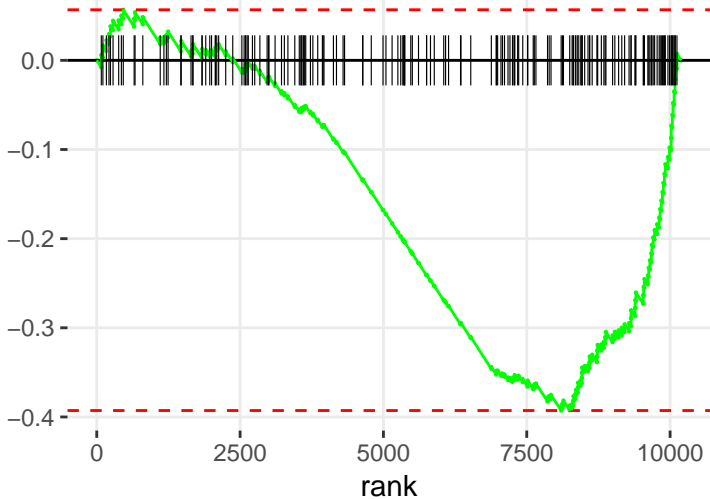


# S-ADENOSYL-L-METHIONINE BIOSYNTHESIS

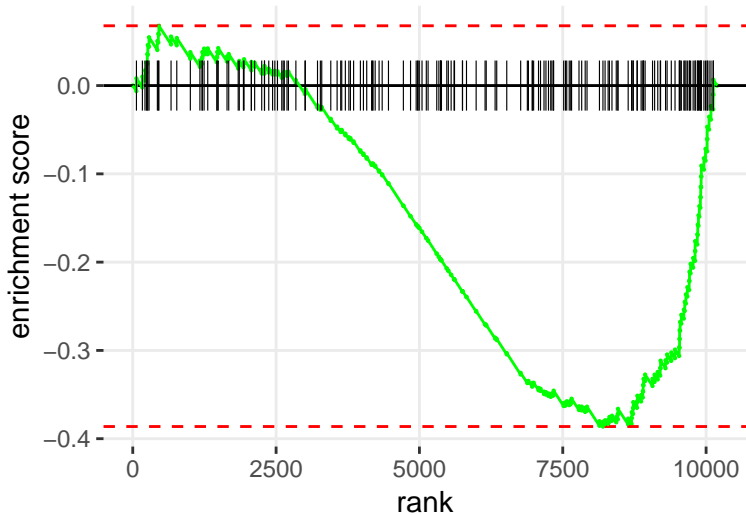


# UREA CYCLE

enrichment score

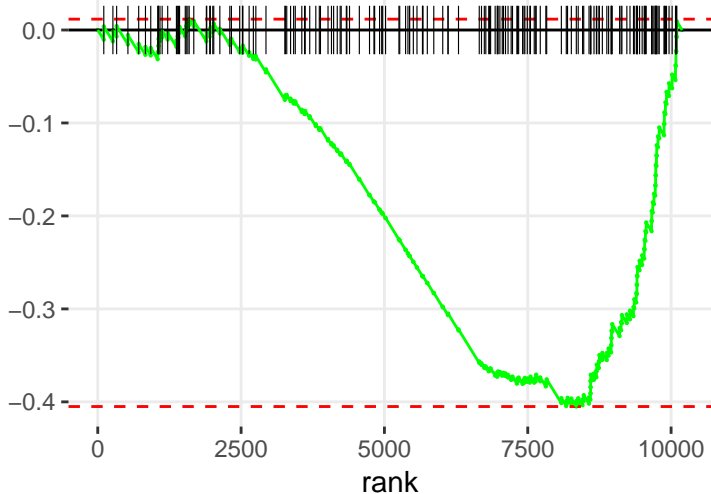


# PROLINE BIOSYNTHESIS II (FROM ARGinine)



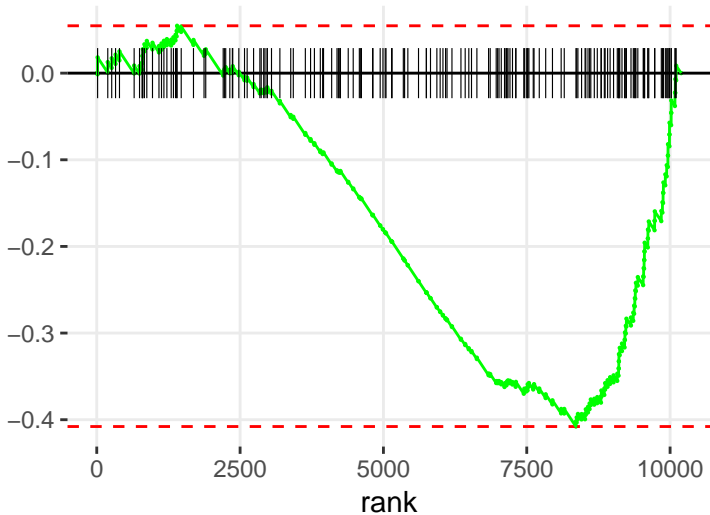
# GDP-GLUCOSE BIOSYNTHESIS

enrichment score



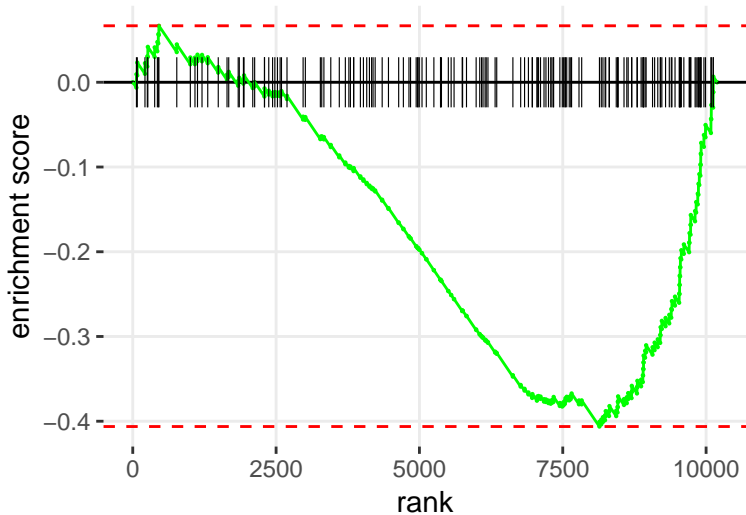
# PHOSPHATIDYLCHOLINE BIOSYNTHESIS I

enrichment score

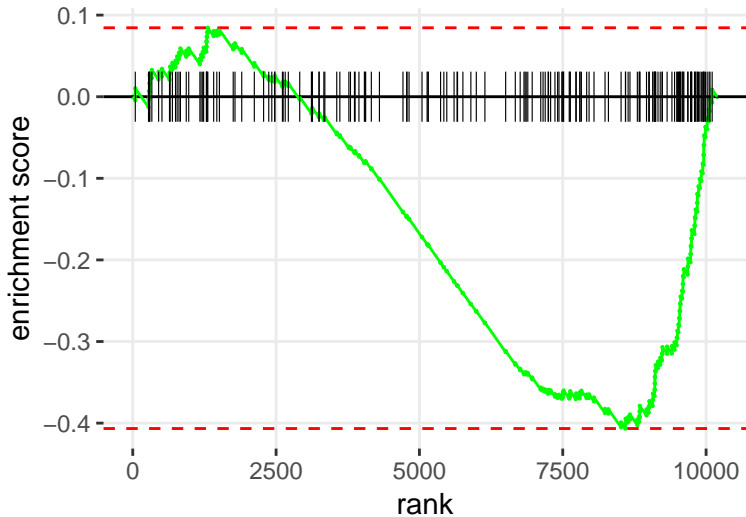




# ARGININE DEGRADATION VI (ARGINASE 2 PATHWAY)

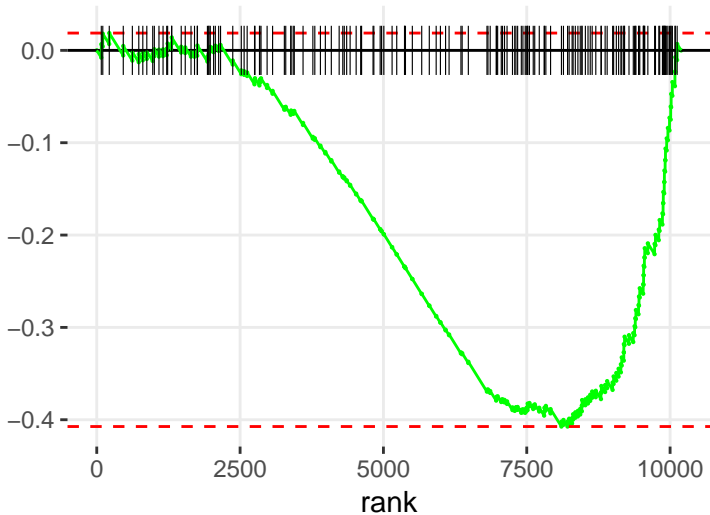


# LEUKOTRIENE BIOSYNTHESIS

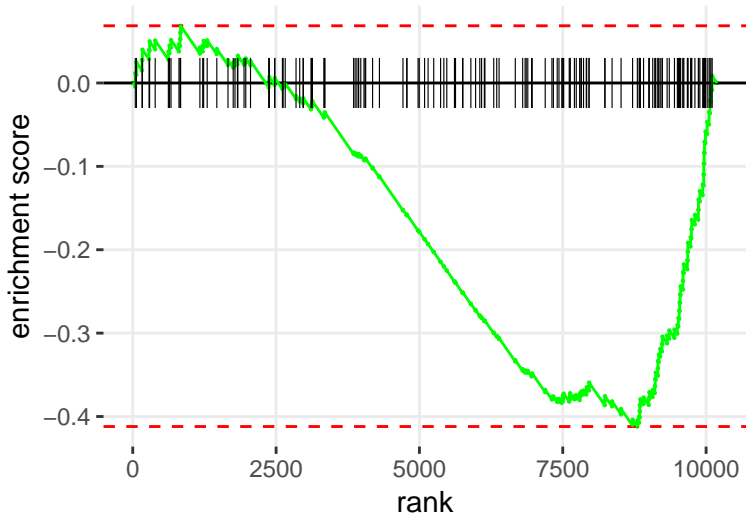


# ETHANOL DEGRADATION IV

enrichment score



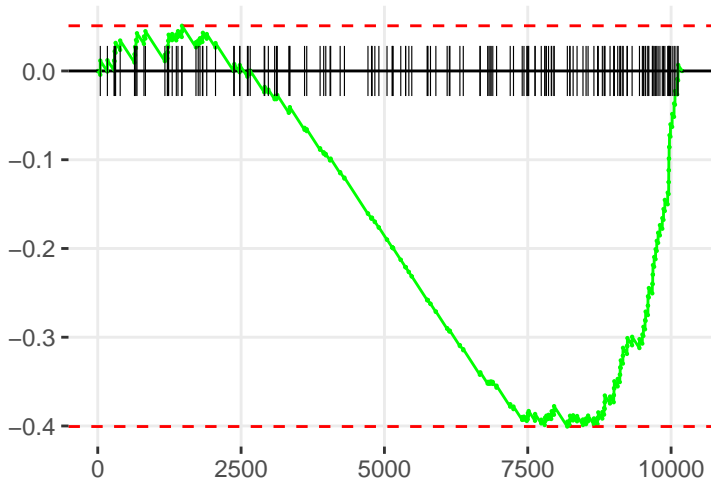
# FORMALDEHYDE OXIDATION II (GLUTATHIONE-DEPENDENT)



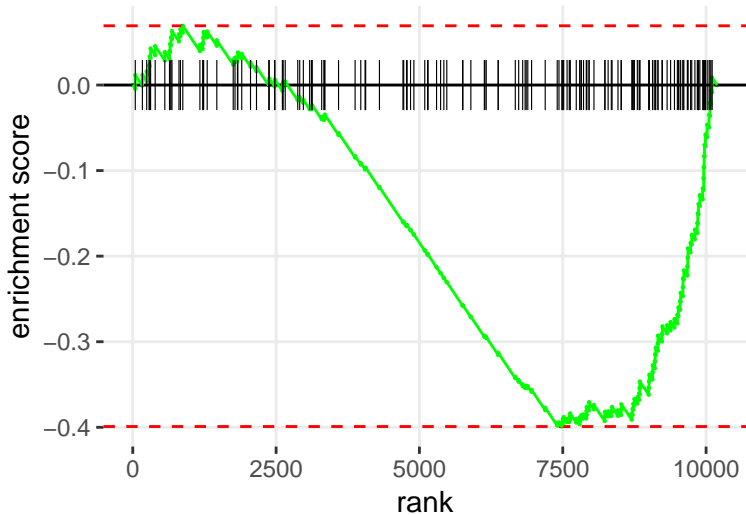
# GDP-L-FUCOSE BIOSYNTHESIS I (FROM GDP-D-MANNOSE)

enrichment score

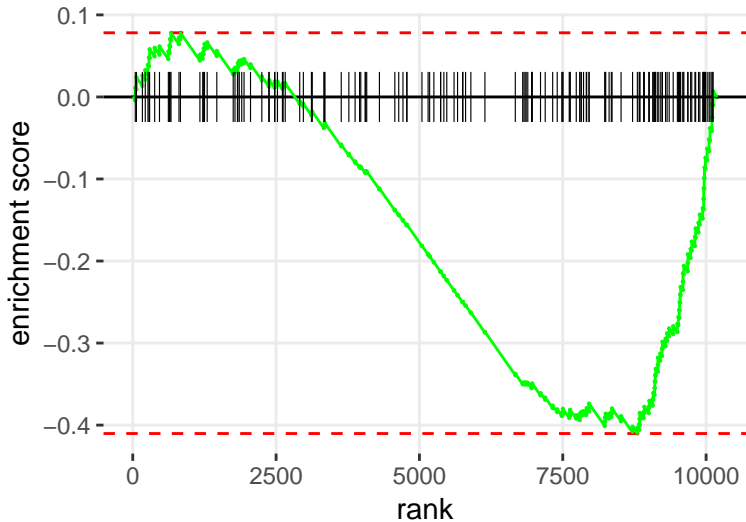
rank



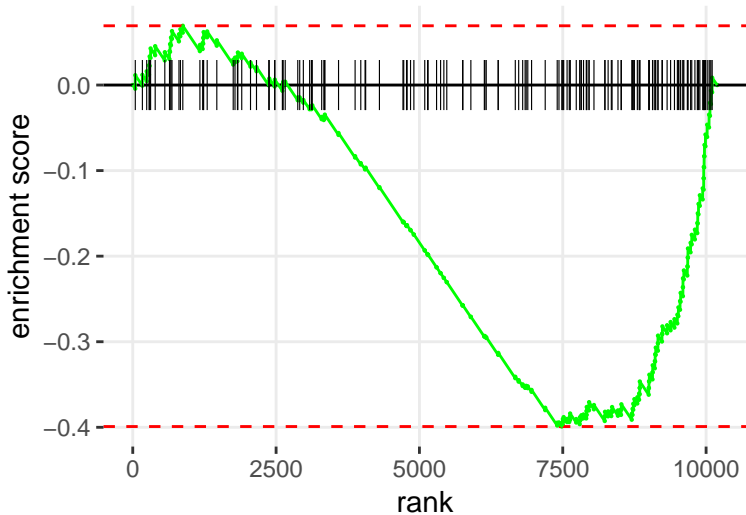
# ALANINE BIOSYNTHESIS II



# XANTHINE AND XANTHOSINE SALVAGE

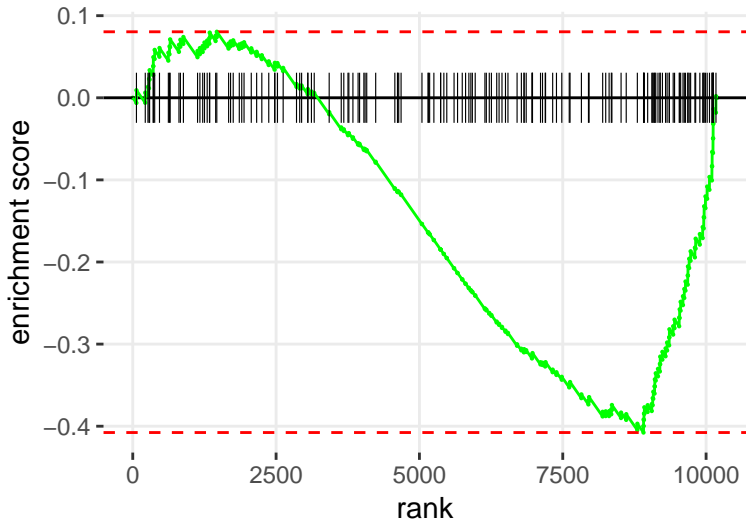


# ALANINE DEGRADATION III

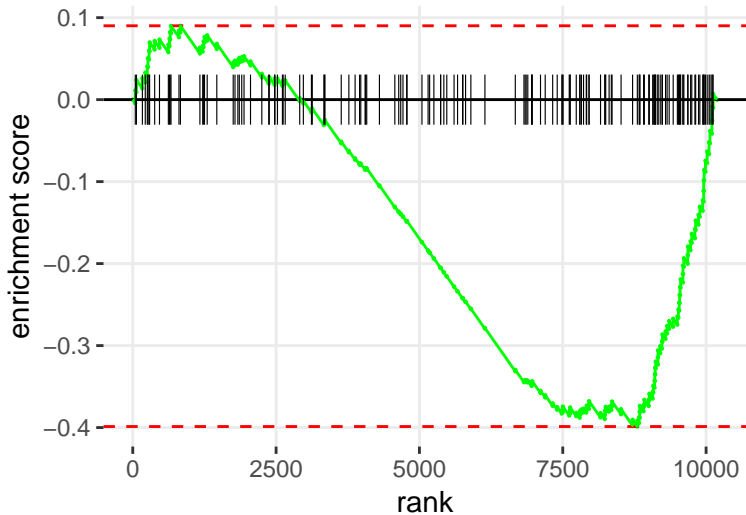




# GUANOSINE NUCLEOTIDES DEGRADATION III



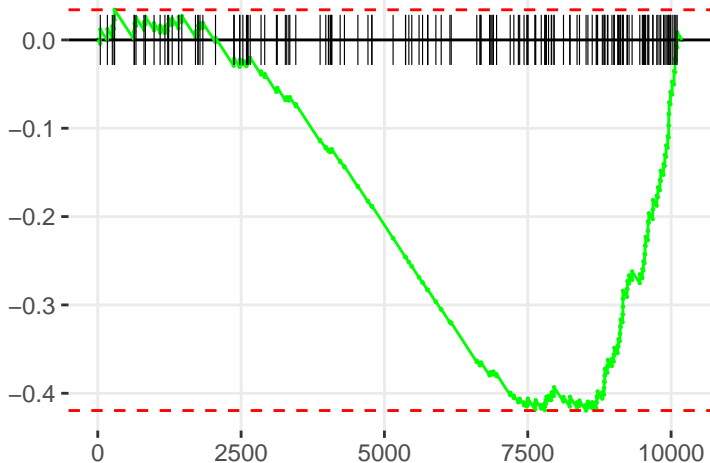
# ARSENATE DETOXIFICATION I (GLUTAREDOXIN)



# ACETYL-COA BIOSYNTHESIS III (FROM CITRATE)

enrichment score

rank



# GLYCOGEN BIOSYNTHESIS II (FROM UDP-D-GLUCOSE)

enrichment score

0.0  
-0.1  
-0.2  
-0.3  
-0.4

0

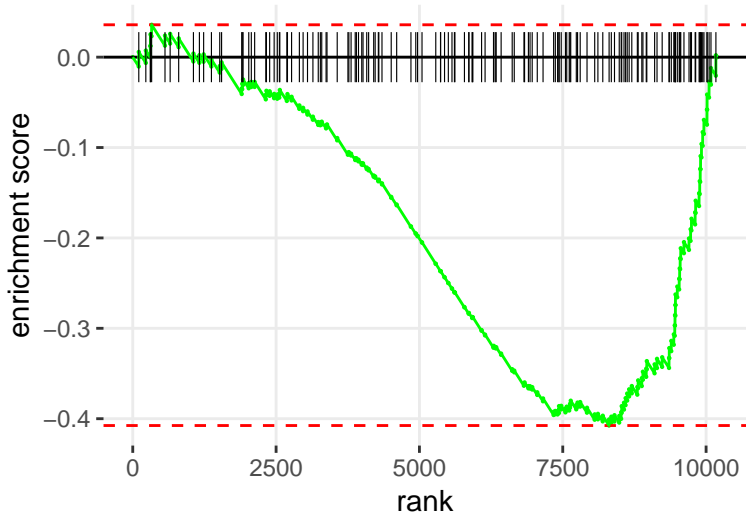
2500

5000

7500

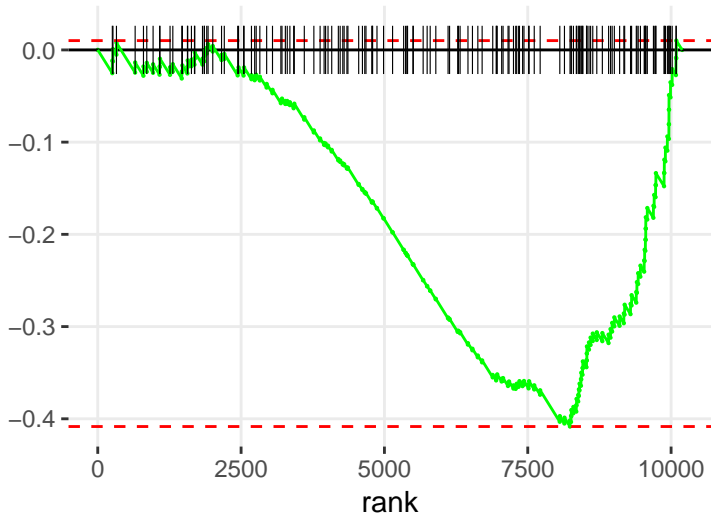
10000

rank

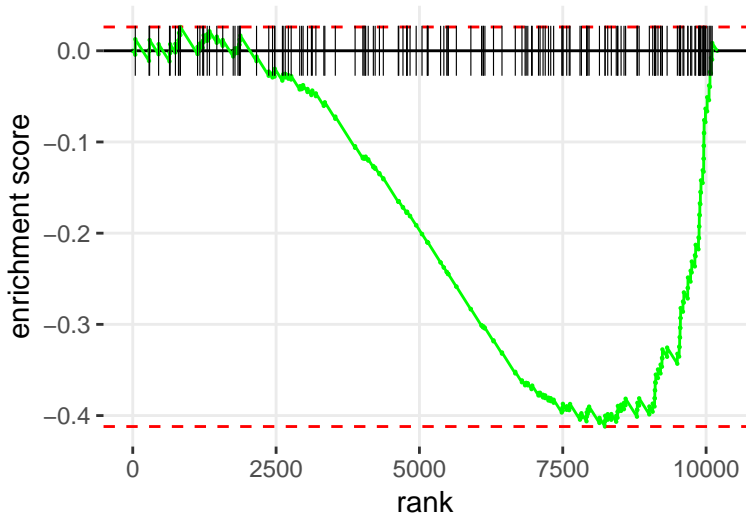


# TRIACYLGLYCEROL BIOSYNTHESIS

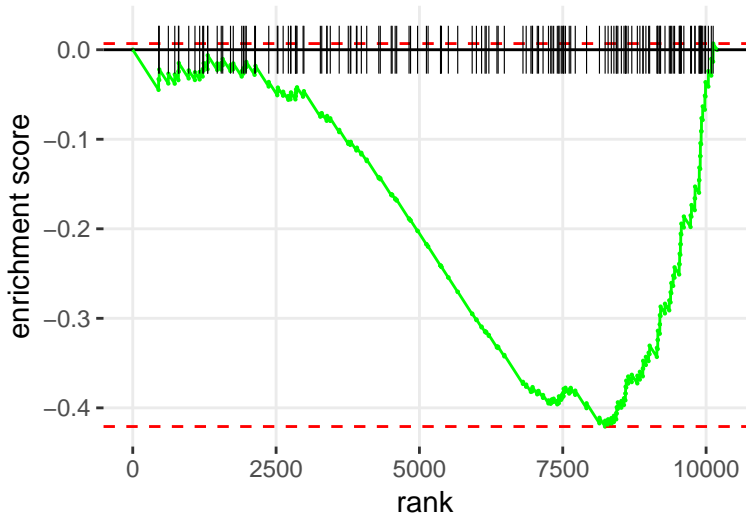
enrichment score



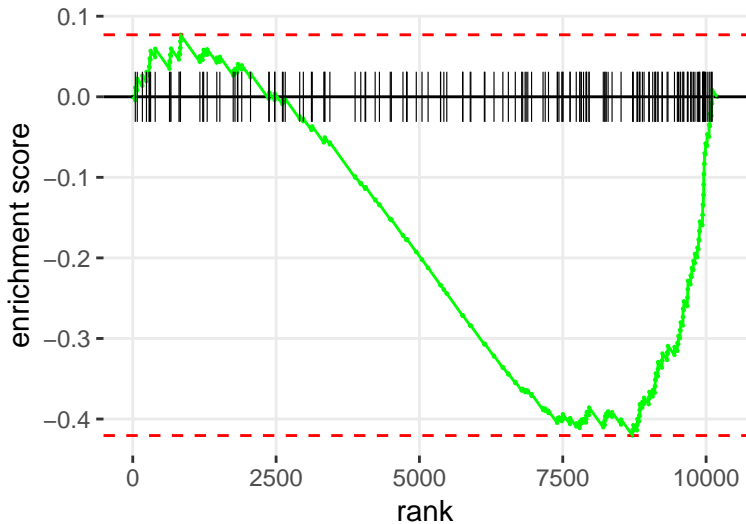
# OLEATE BIOSYNTHESIS II (ANIMALS)



# HISTAMINE DEGRADATION



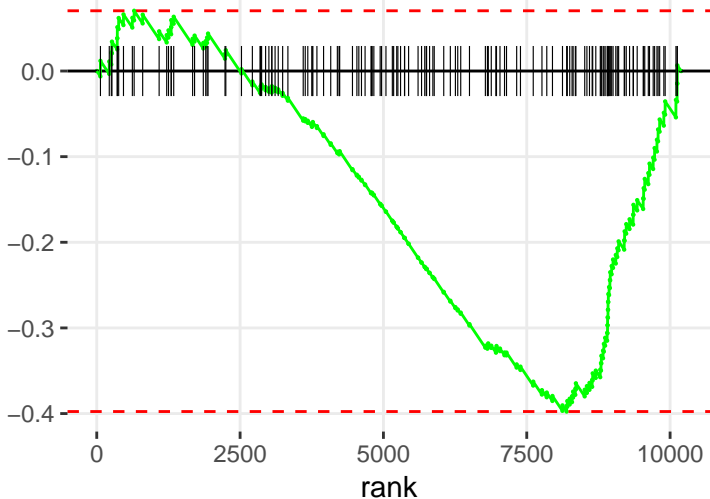
## SPERMINE BIOSYNTHESIS



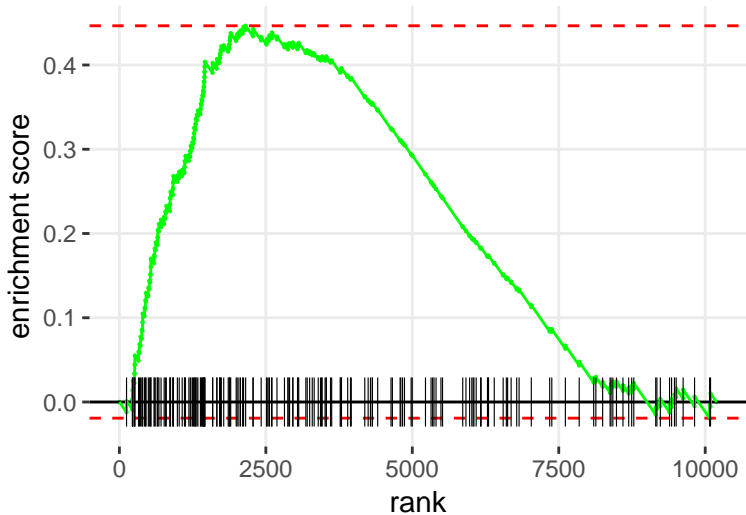


# URATE BIOSYNTHESIS/INOSINE 5'-PHOSPHATE DEGRADATION

enrichment score

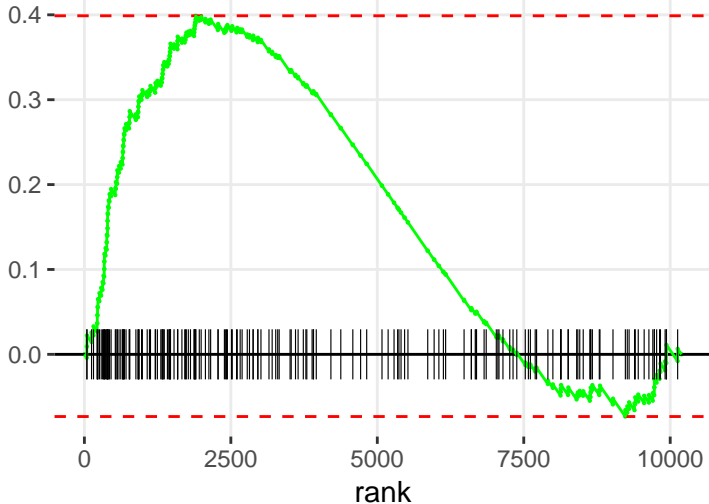


NADH REPAIR

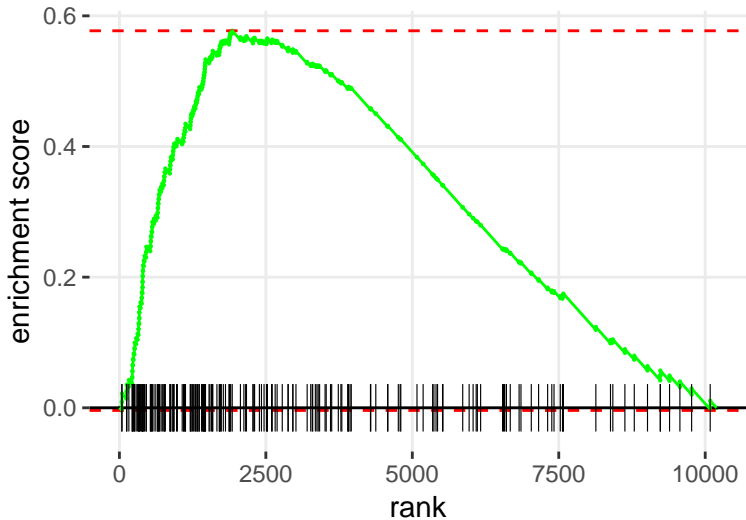


# THIAMIN SALVAGE III

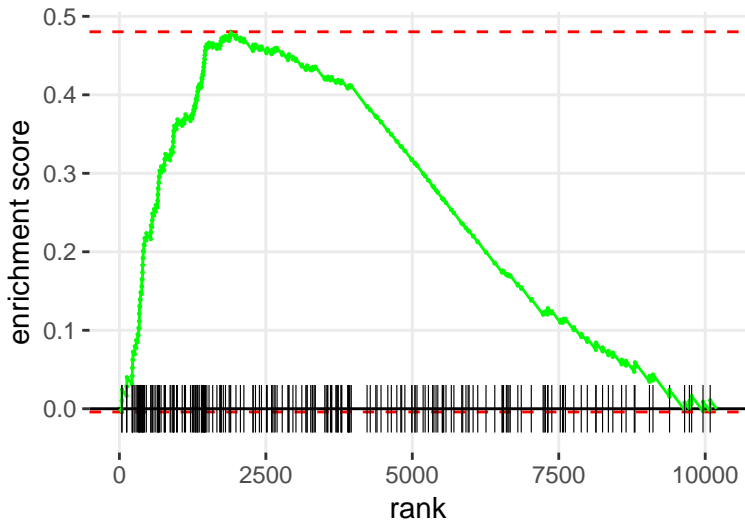
enrichment score



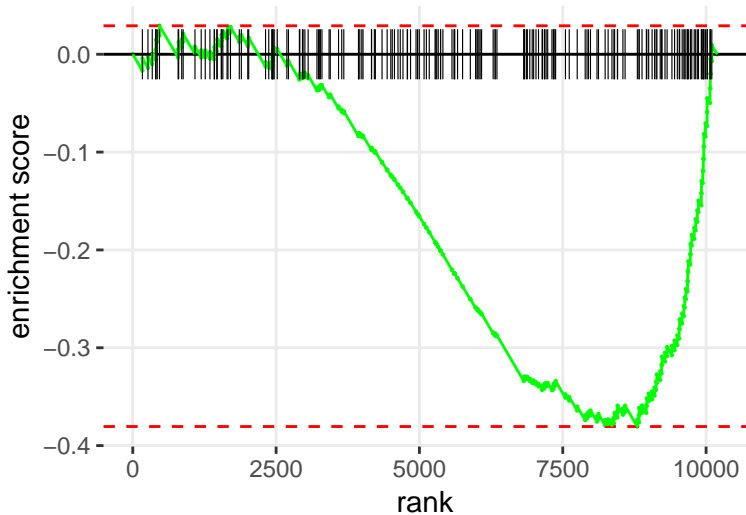
# TRNA SPLICING



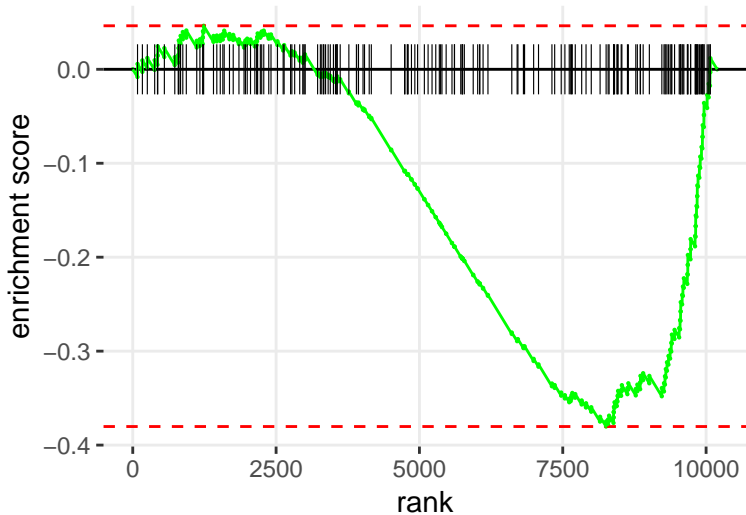
## ALL-ITRANS&lt;/I&gt;-DECAPRENYL DIPHOSPHATE BIOSYNTHESIS



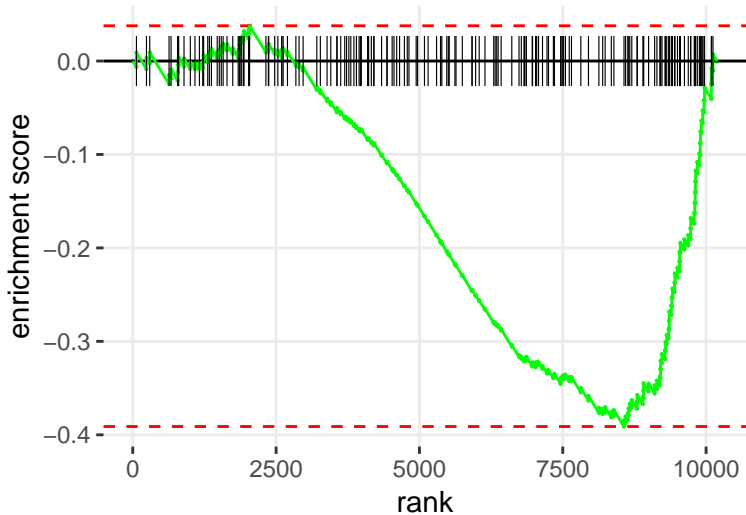
# 5-AMINOIMIDAZOLE RIBONUCLEOTIDE BIOSYNTHESIS I



# LIPOATE BIOSYNTHESIS AND INCORPORATION II

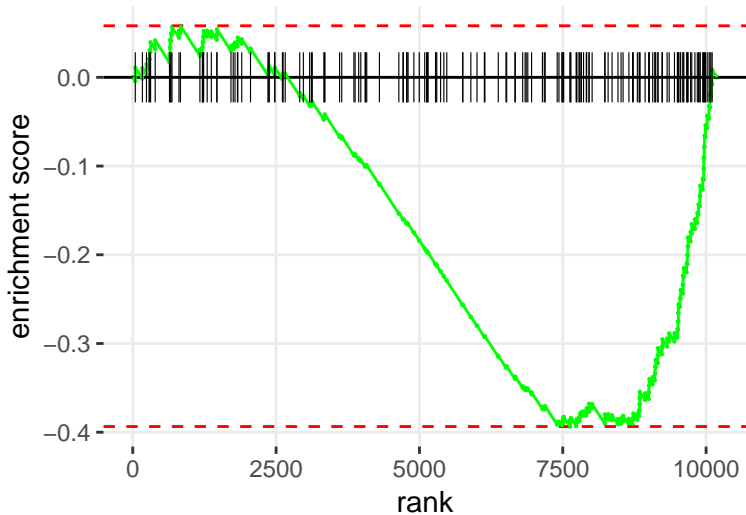


# TCA CYCLE II (EUKARYOTIC)



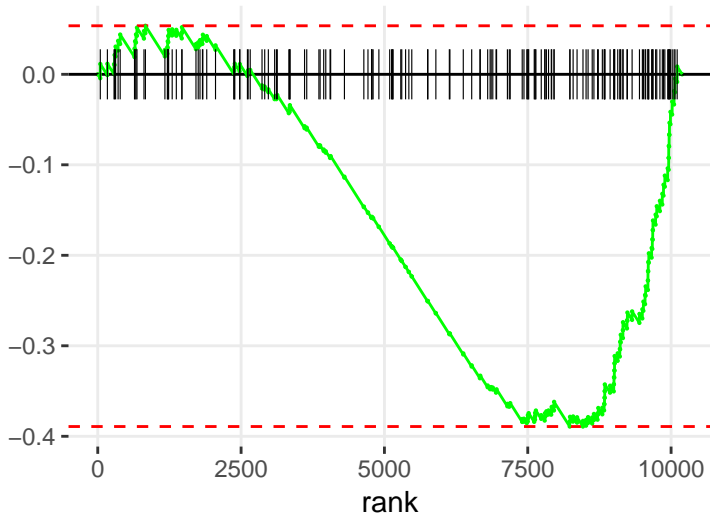


# D-GLUCURONATE DEGRADATION I



# DIPHTHAMIDE BIOSYNTHESIS

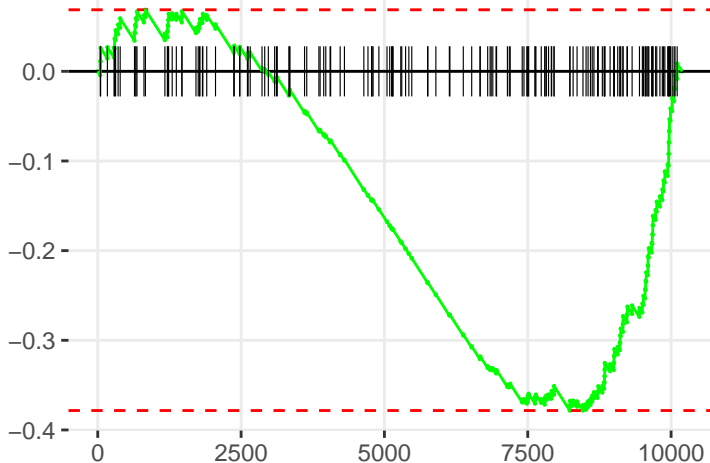
enrichment score



# GDP-L-FUCOSE BIOSYNTHESIS II (FROM L-FUCOSE)

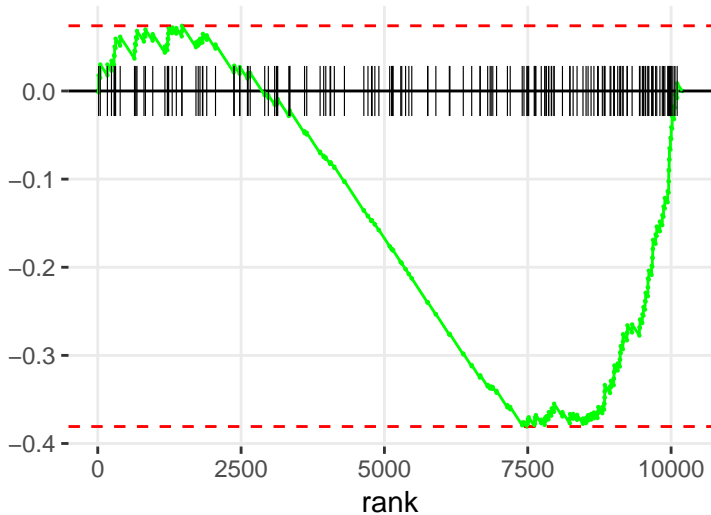
enrichment score

rank

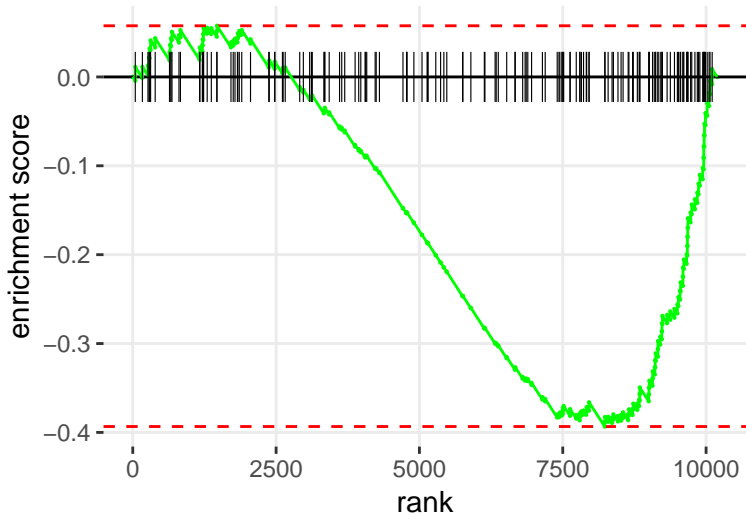


# COENZYME A BIOSYNTHESIS

enrichment score

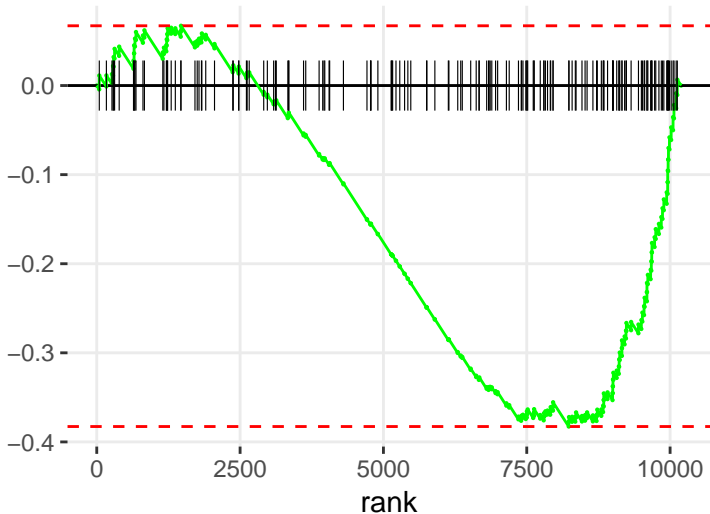


# ACYL CARRIER PROTEIN METABOLISM



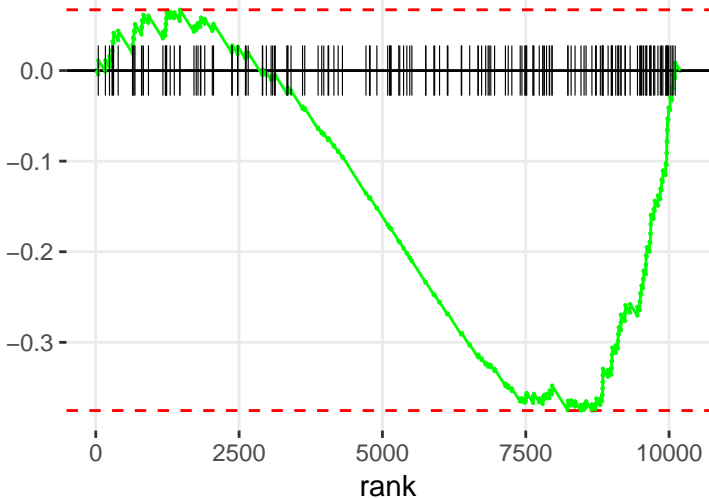
# NAD PHOSPHORYLATION AND DEPHOSPHORYLATION

enrichment score

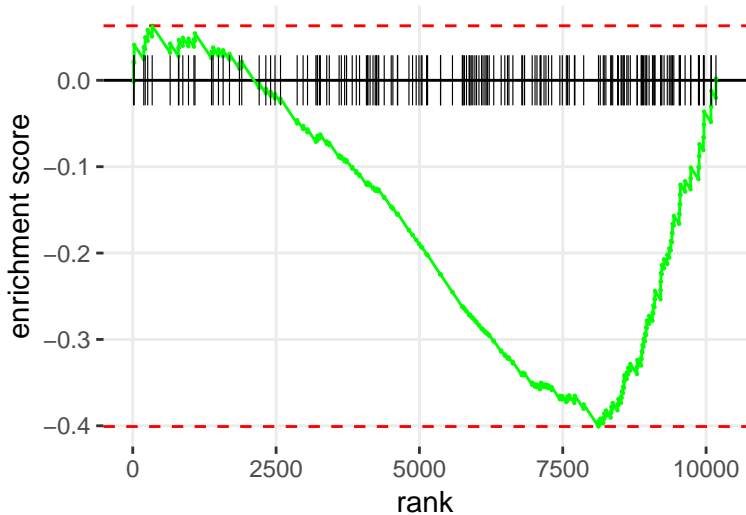


# URACIL DEGRADATION II (REDUCTIVE)

enrichment score

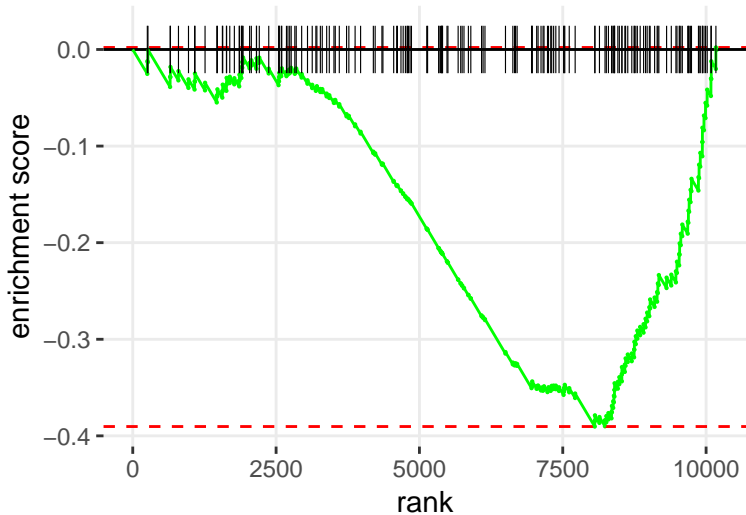


# CHOLINE BIOSYNTHESIS III





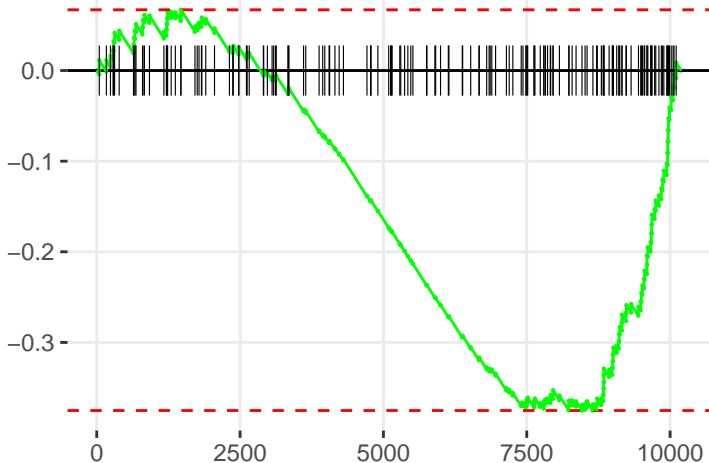
# CDP-DIACYLGLYCEROL BIOSYNTHESIS I



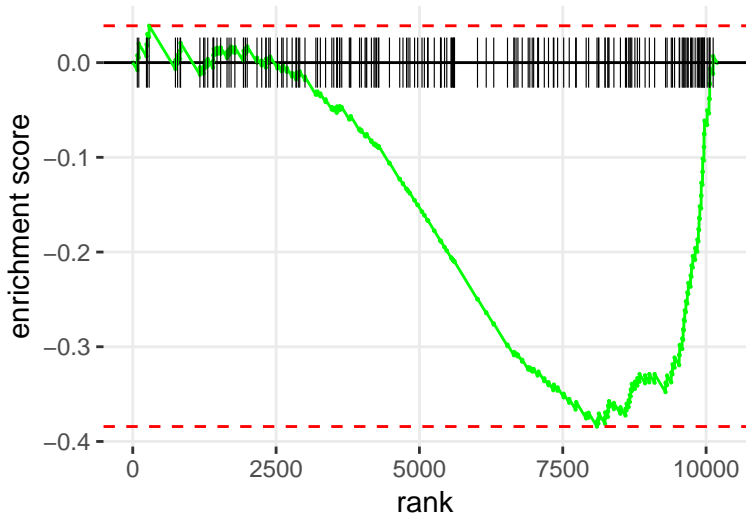
# THYMINE DEGRADATION

enrichment score

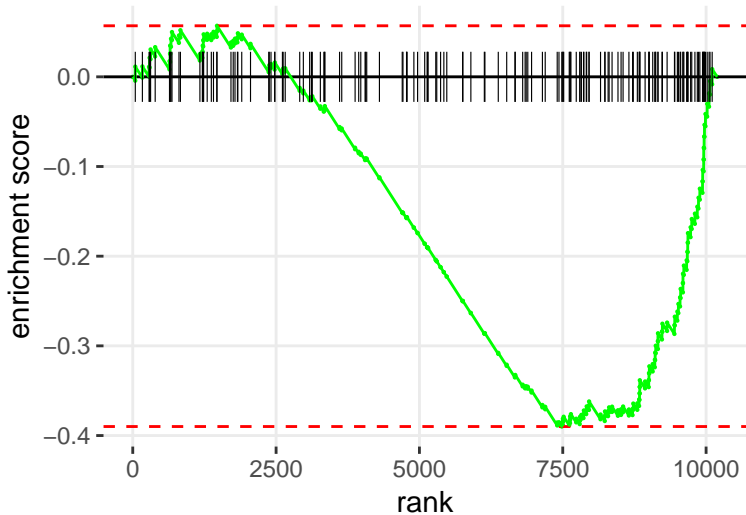
rank



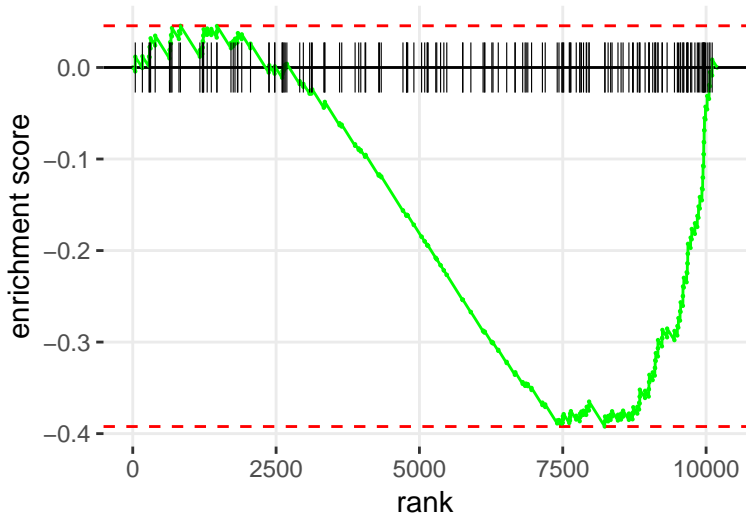
# 2-OXISOVALERATE DECARBOXYLATION TO ISOBUTANOYL-COA



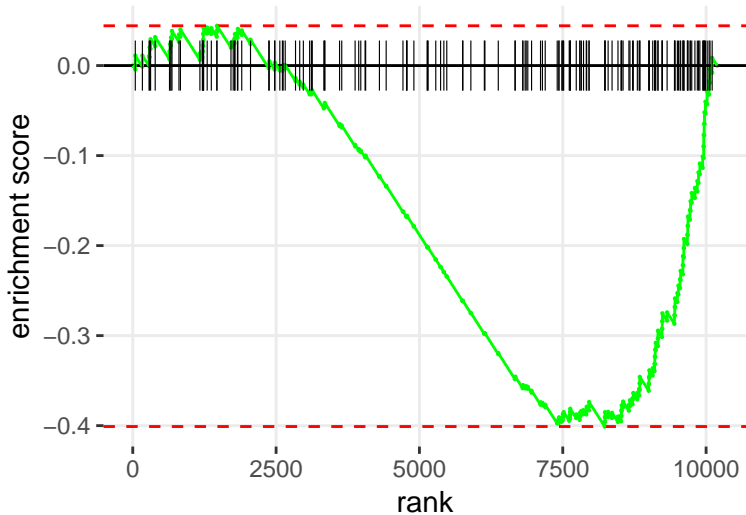
# GLUTATHIONE REDOX REACTIONS II



1D-<IMYO</I>-INOSITOL HEXAKISPHOSPHATE BIOSYNTHESIS V (FROM INS(1,3,4)P3)



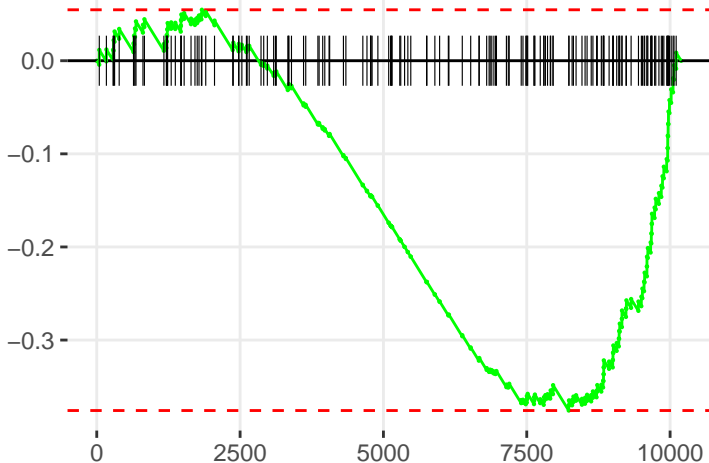
# SORBITOL DEGRADATION I



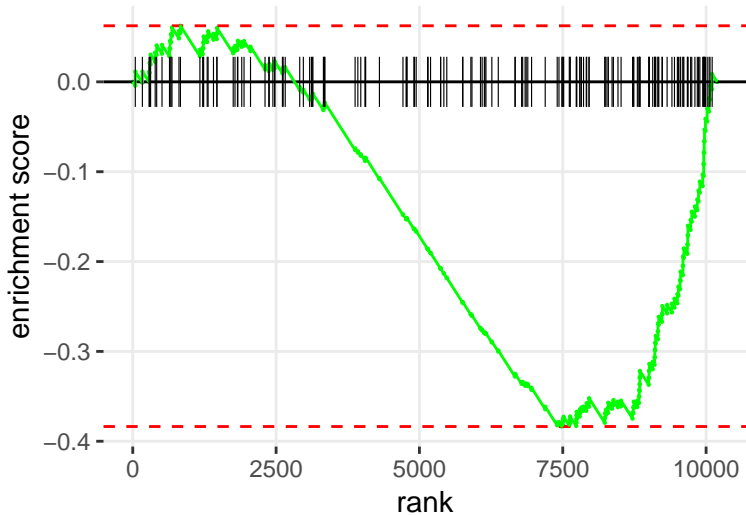
# GLYCINE DEGRADATION (CREATINE BIOSYNTHESIS)

enrichment score

rank

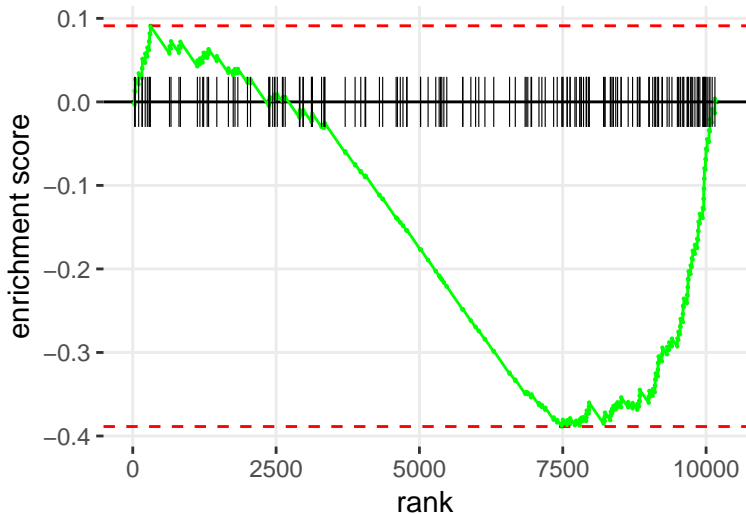


# INOSITOL PYROPHOSPHATES BIOSYNTHESIS

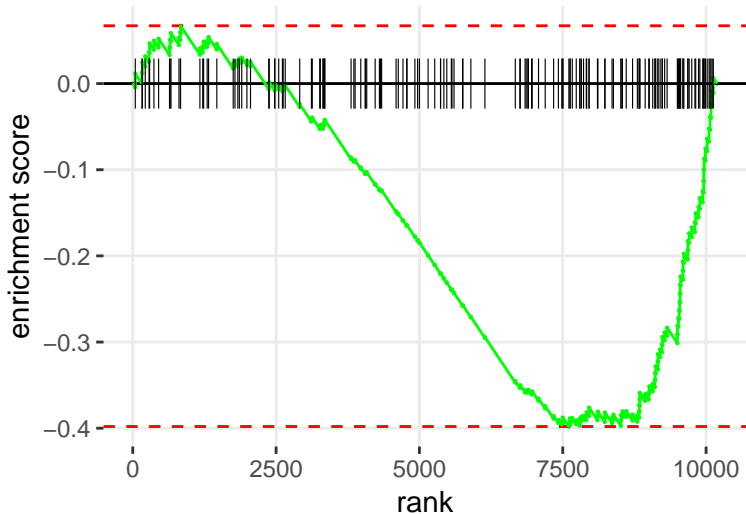




### LACTOSE DEGRADATION III

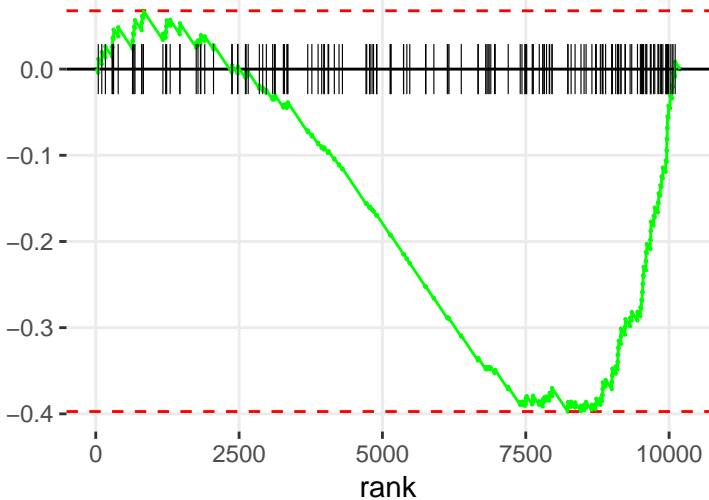


<IS</I-METHYL-5-THIO-&ALPHA;-D-RIBOSE 1-PHOSPHATE DEGRADATION

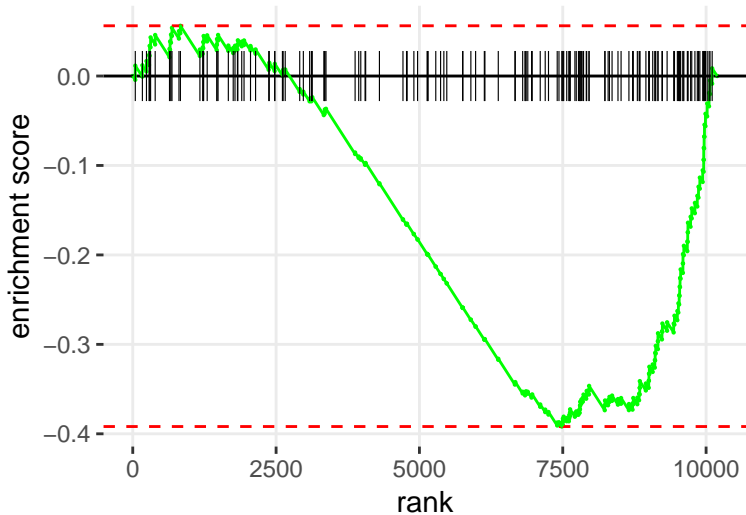


# L-CYSTEINE DEGRADATION III

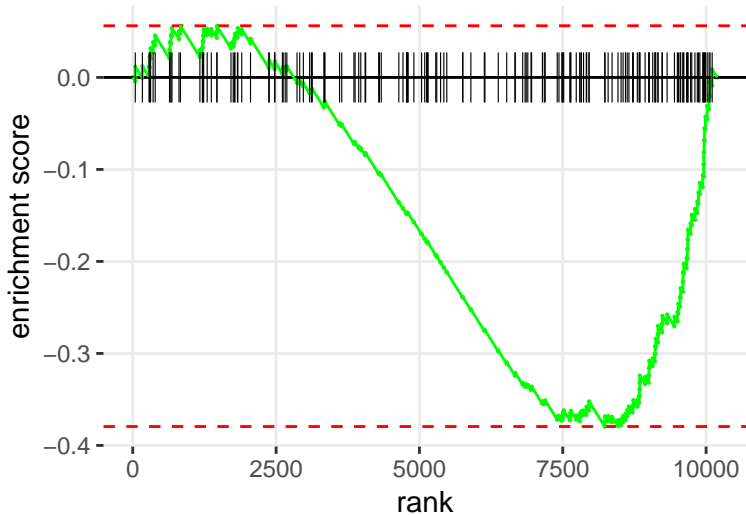
enrichment score



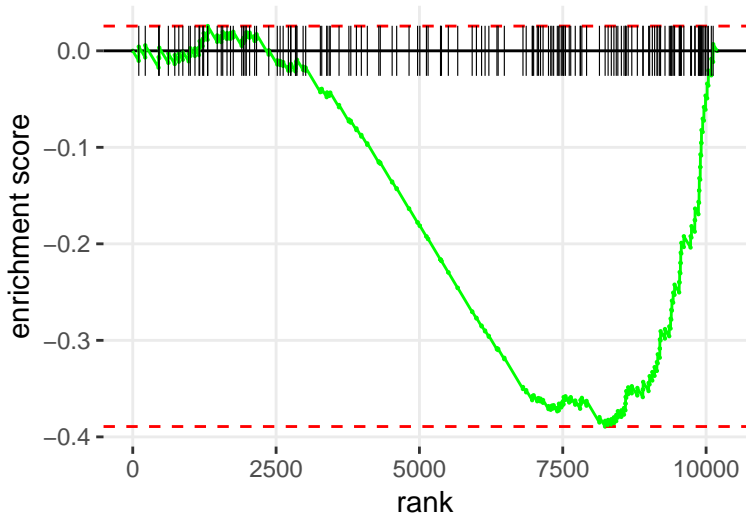
# PUTRESCINE BIOSYNTHESIS III



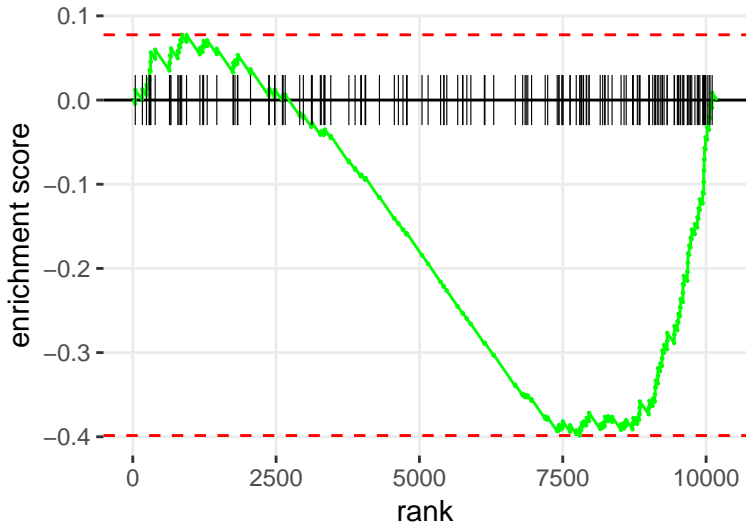
D-<IMYO</I-INOSITOL (1,4,5,6)-TETRAKISPHOSPHATE BIOSYNTHESIS



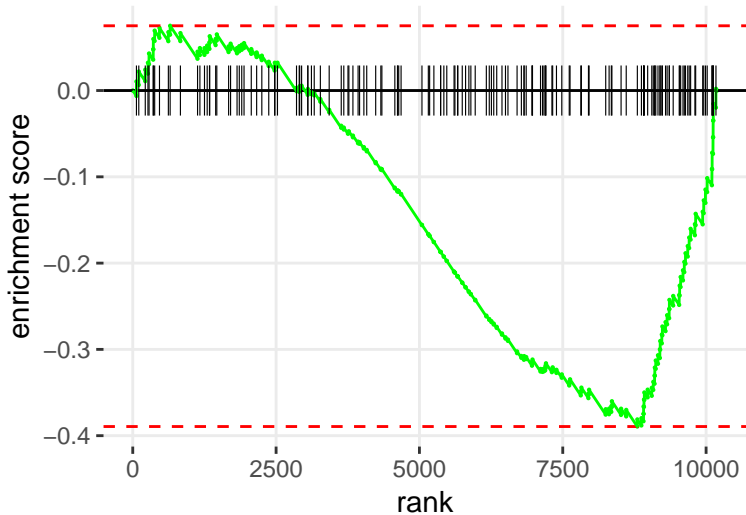
# OXIDATIVE ETHANOL DEGRADATION III



## UDP-D-XYLOSE AND UDP-D-GLUCURONATE BIOSYNTHESIS



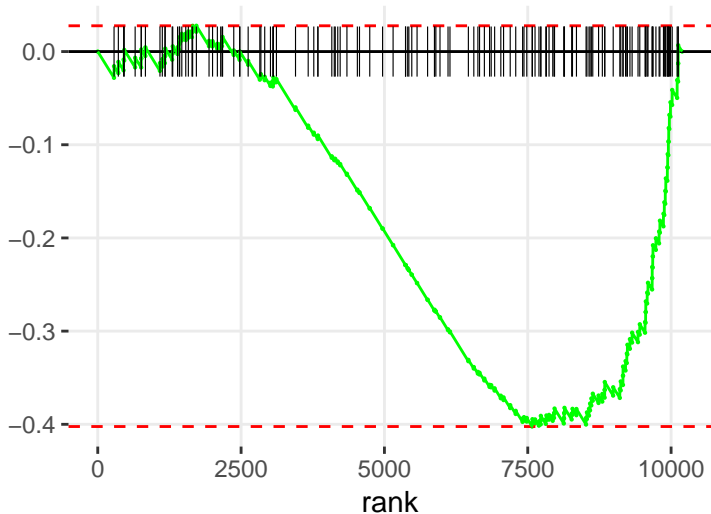
# ADENOSINE NUCLEOTIDES DEGRADATION II



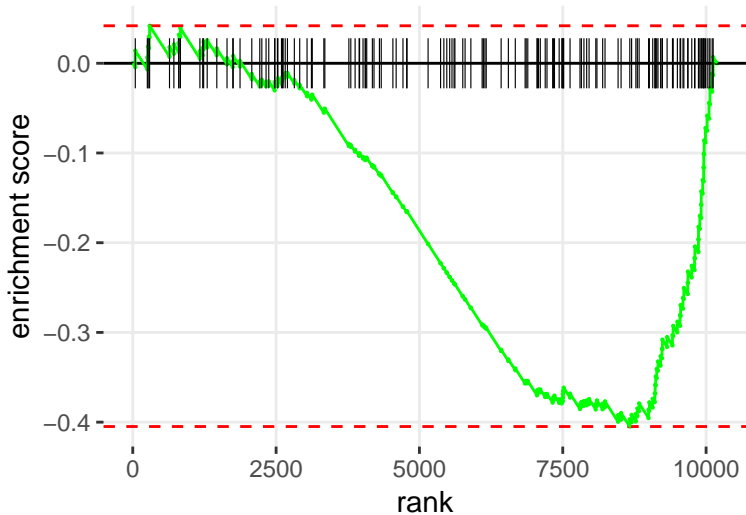


# RETINOL BIOSYNTHESIS

enrichment score

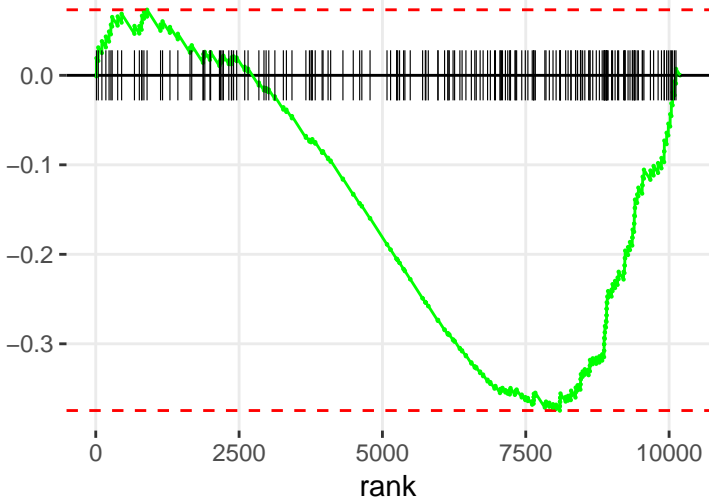


# CREATINE-PHOSPHATE BIOSYNTHESIS



# CITRULLINE-NITRIC OXIDE CYCLE

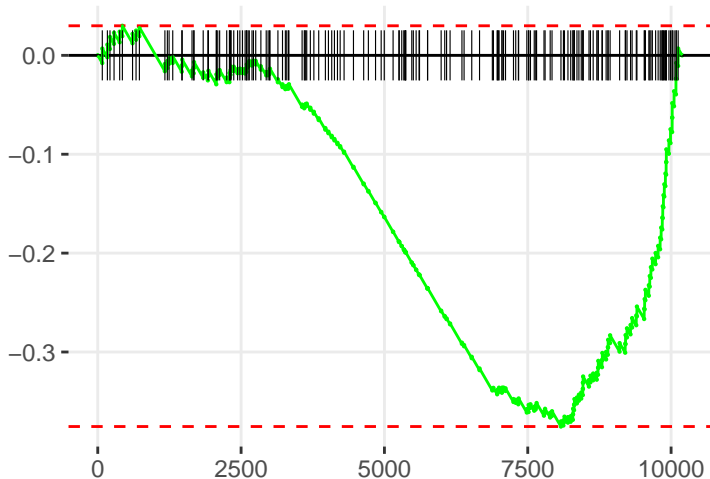
enrichment score



# CITRULLINE BIOSYNTHESIS

enrichment score

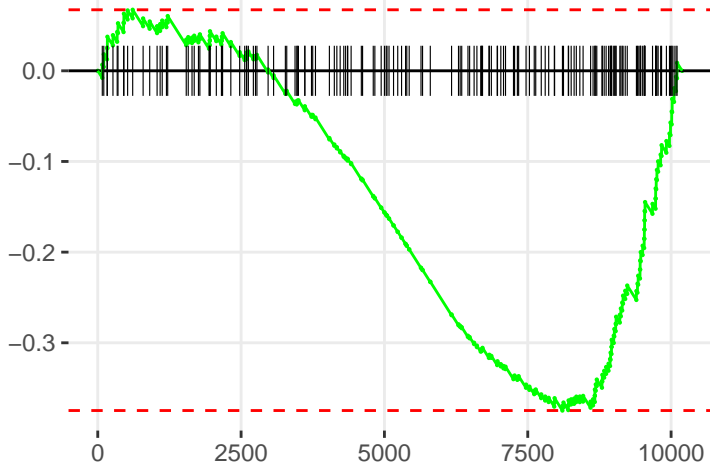
rank



# SUPEROXIDE RADICALS DEGRADATION

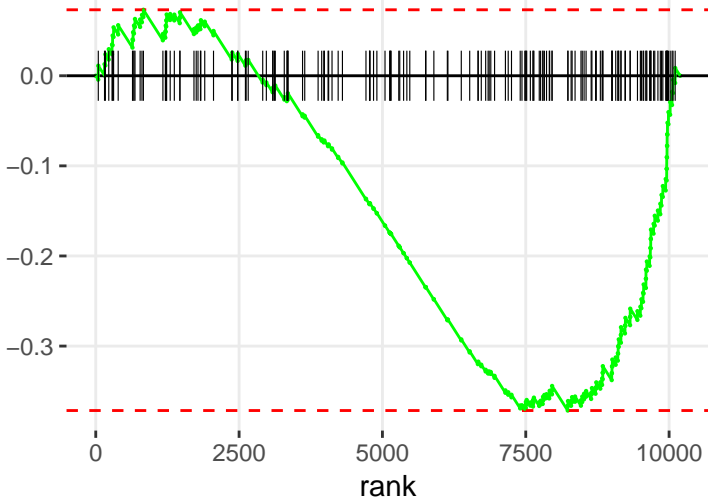
enrichment score

rank



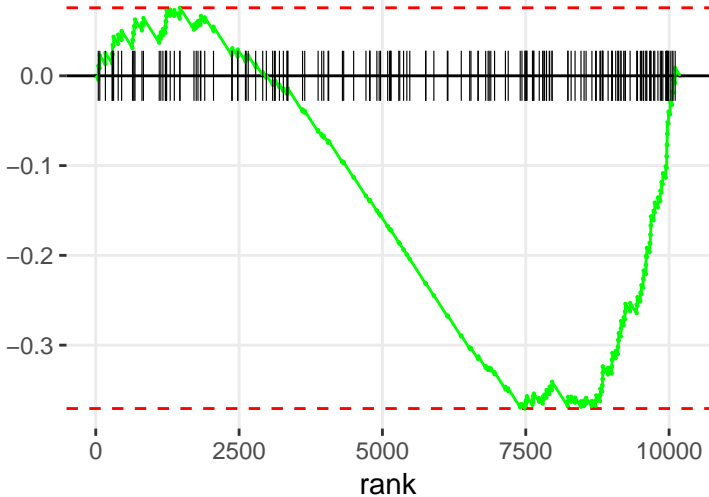
# GLUTAMATE REMOVAL FROM FOLATES

enrichment score



# HEME DEGRADATION

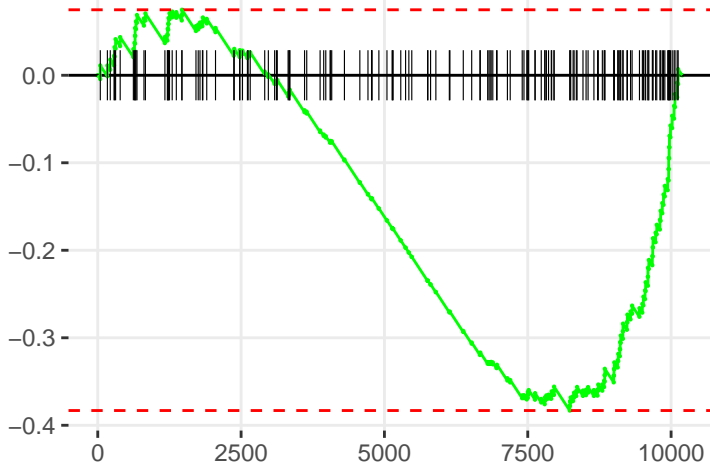
enrichment score



<IS>/I-METHYL-5'-THIOADENOSINE DEGRADATION II

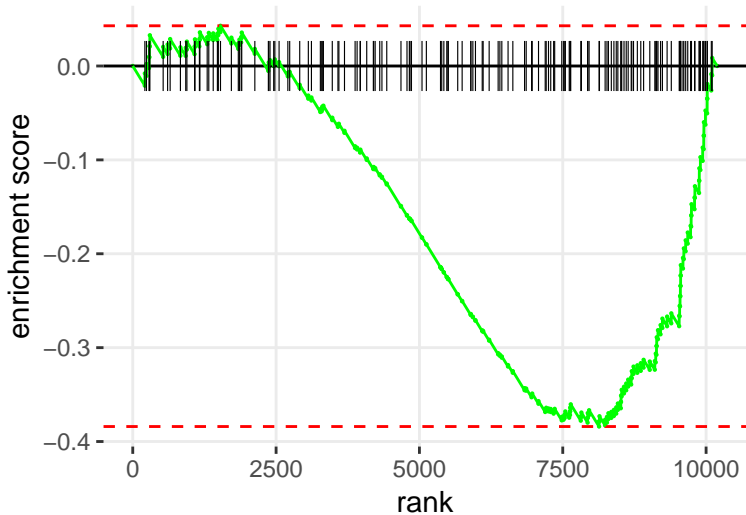
enrichment score

rank





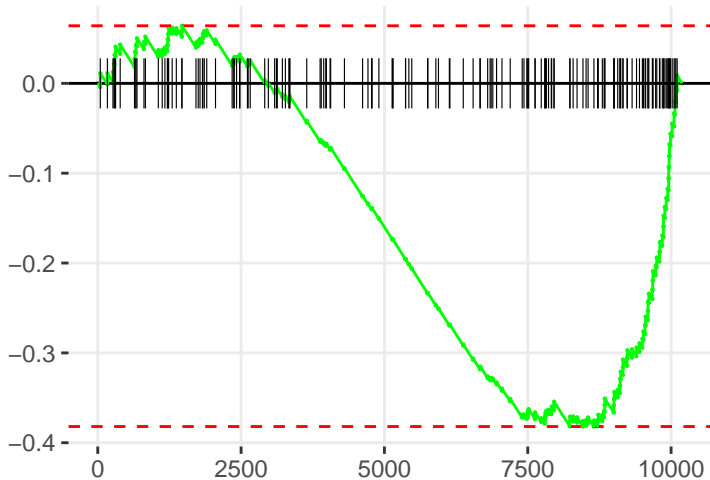
# CERAMIDE BIOSYNTHESIS



# <IN</I>-ACETYLGLUCOSAMINE DEGRADATION I

enrichment score

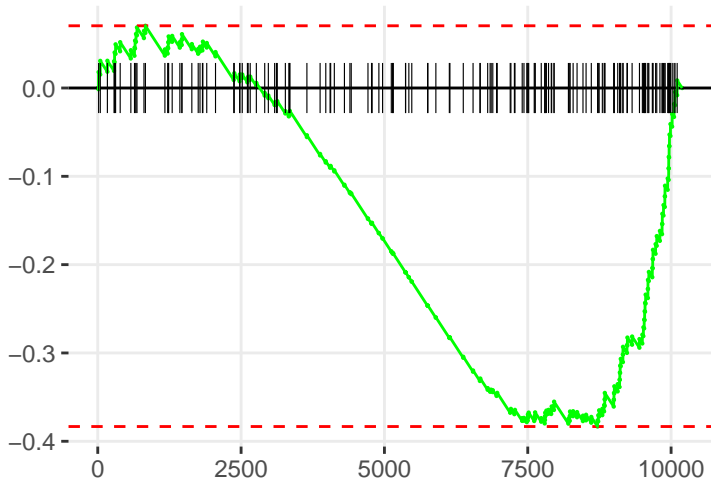
rank



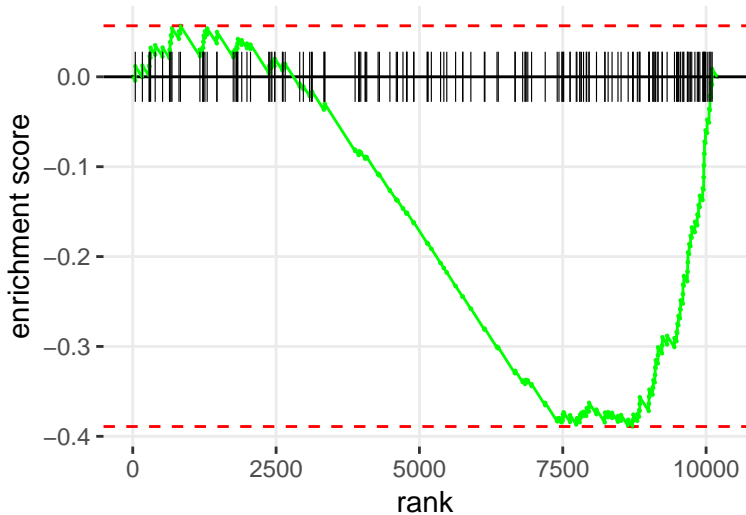
# PHOSPHATIDYLETHANOLAMINE BIOSYNTHESIS II

enrichment score

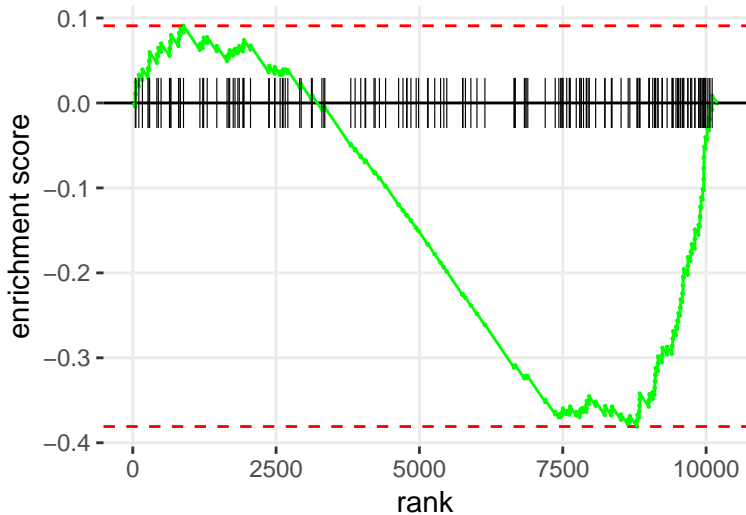
rank



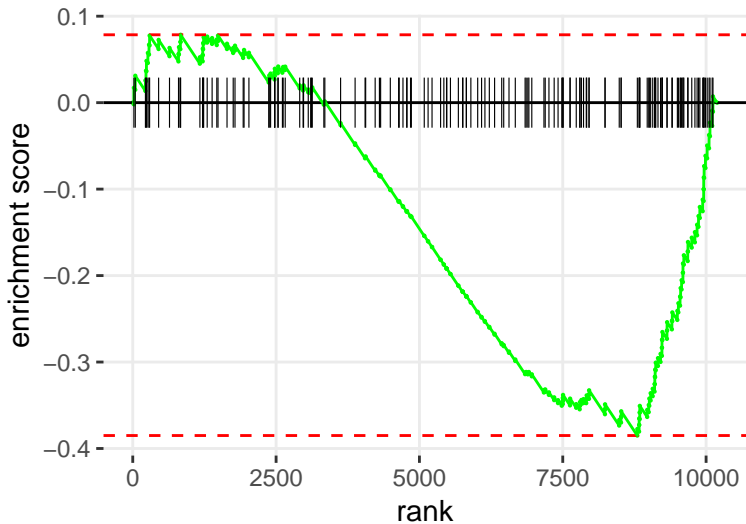
CMP-<IN</I>-ACETYLNEURAMINATE BIOSYNTHESIS I (EUKARYOTES)



# MITOCHONDRIAL L-CARNITINE SHUTTLE PATHWAY



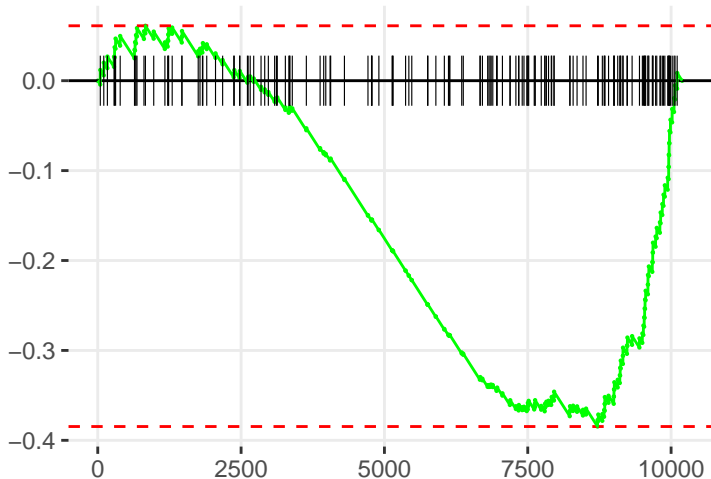
# TYROSINE DEGRADATION I



<ITRANS, TRANS</I>-FARNESYL DIPHOSPHATE BIOSYNTHESIS

enrichment score

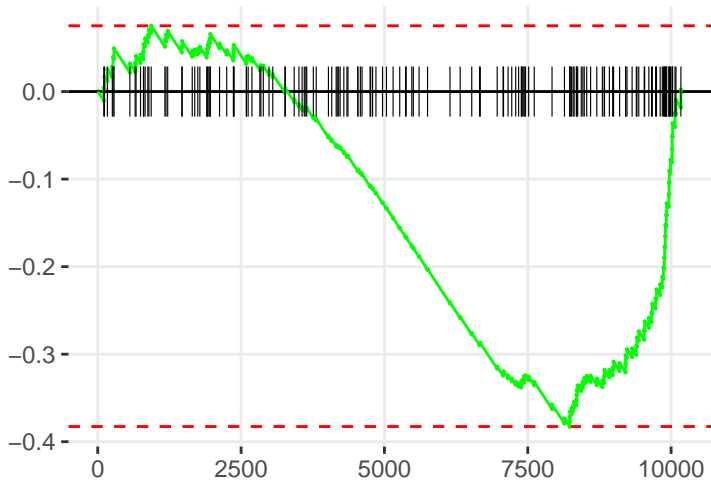
rank



# FATTY ACID ACTIVATION

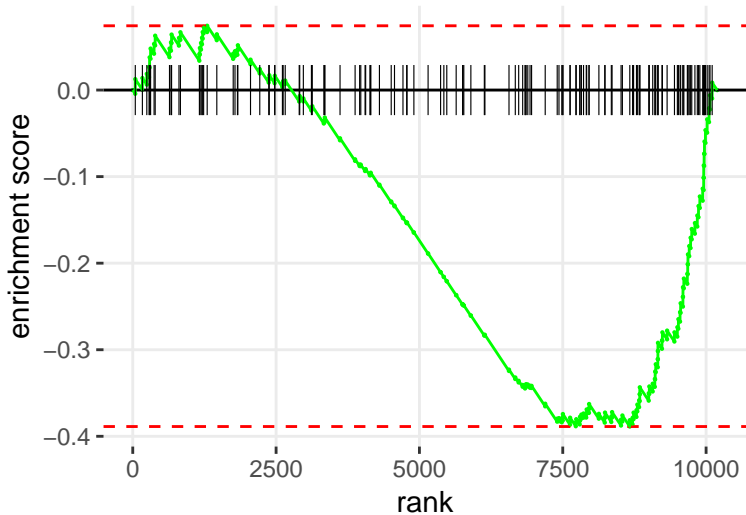
enrichment score

rank





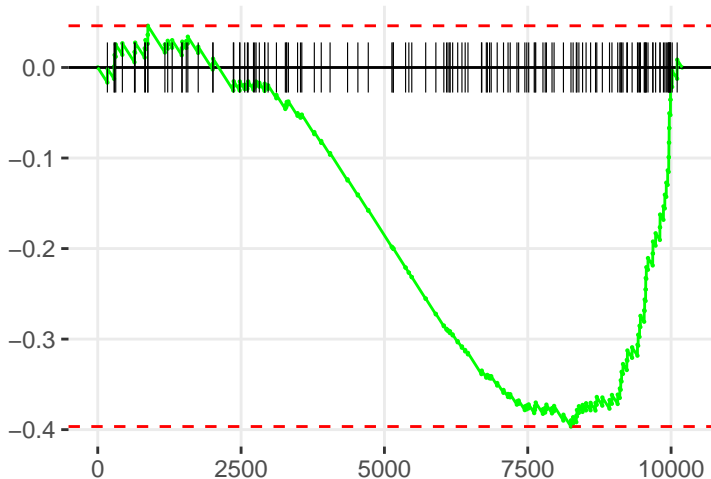
# THIO-MOLYBDENUM COFACTOR BIOSYNTHESIS



# GLYCEROL-3-PHOSPHATE SHUTTLE

enrichment score

rank



# 1D-<IMYO</I>-INOSITOL HEXAKISPHOSPHATE BIOSYNTHESIS II (MAMMALIAN)

enrichment score

0.0  
-0.1  
-0.2  
-0.3  
-0.4

0

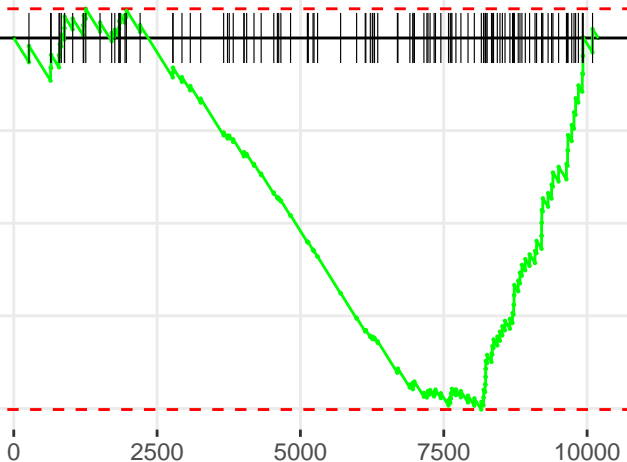
2500

5000

7500

10000

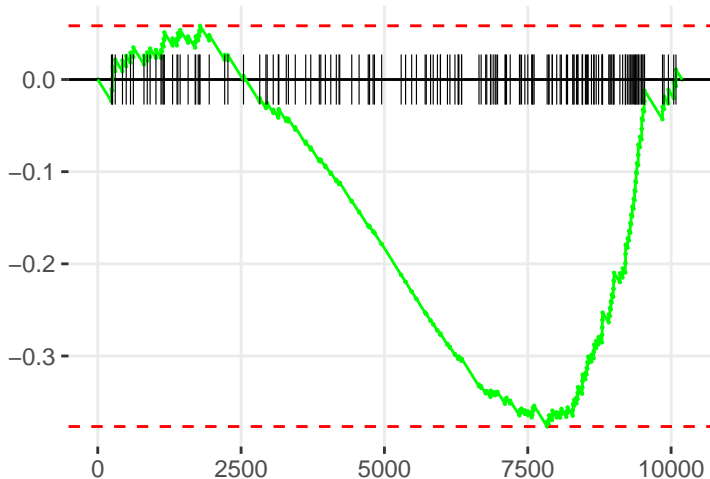
rank



# HISTAMINE BIOSYNTHESIS

enrichment score

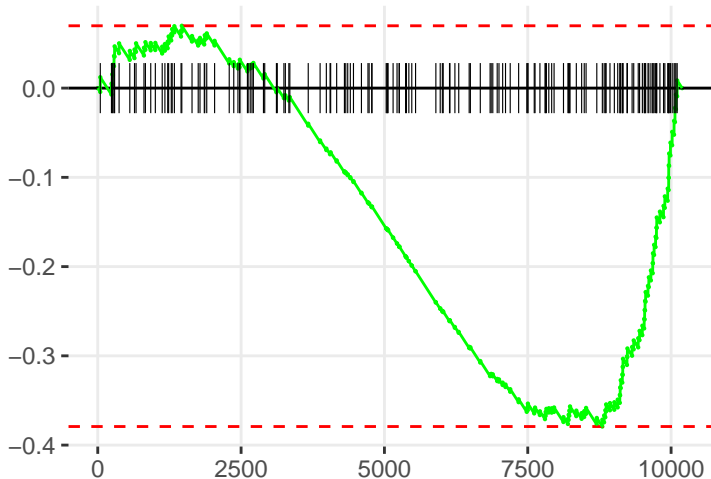
rank



# TETRAPYRROLE BIOSYNTHESIS II

enrichment score

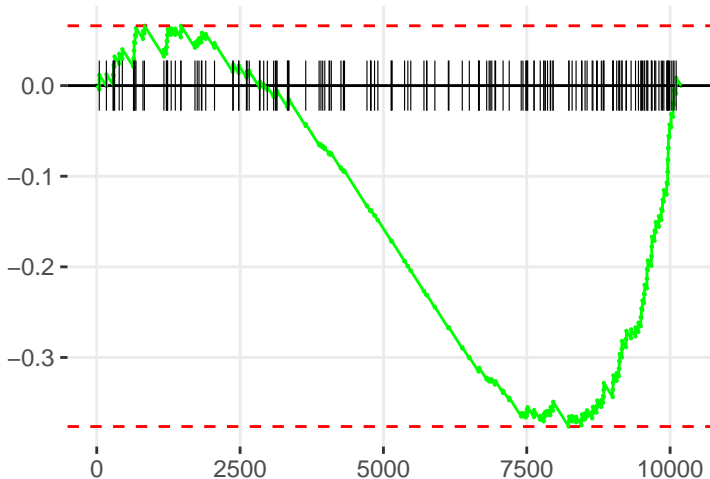
rank



# L-DOPA DEGRADATION

enrichment score

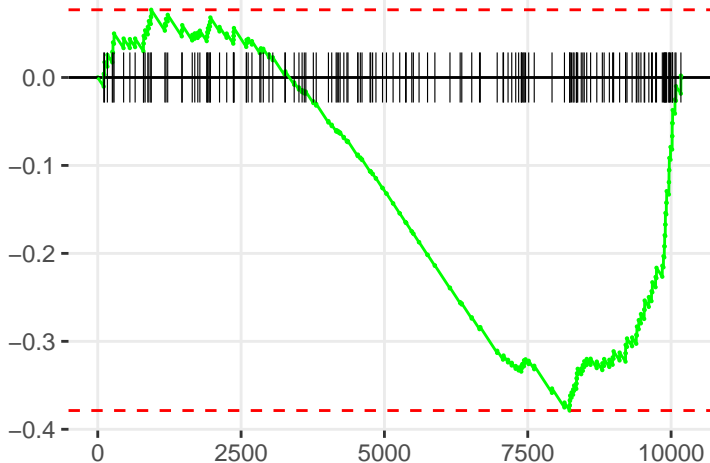
rank



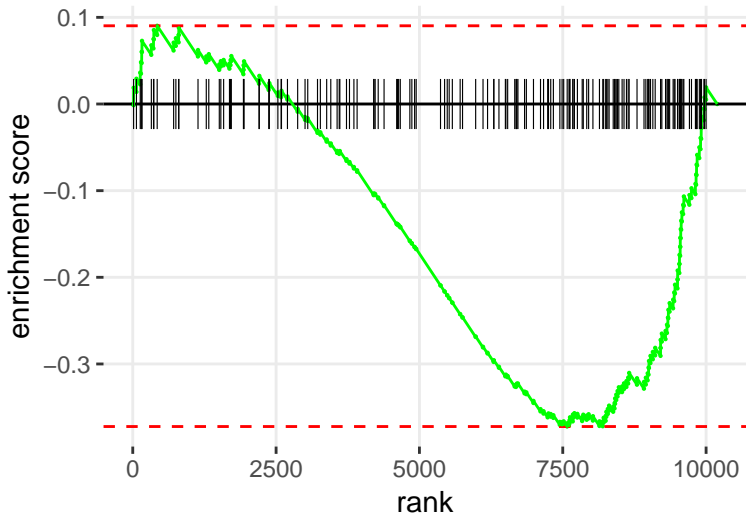
&GAMMA;-LINOLENATE BIOSYNTHESIS II (ANIMALS)

enrichment score

rank



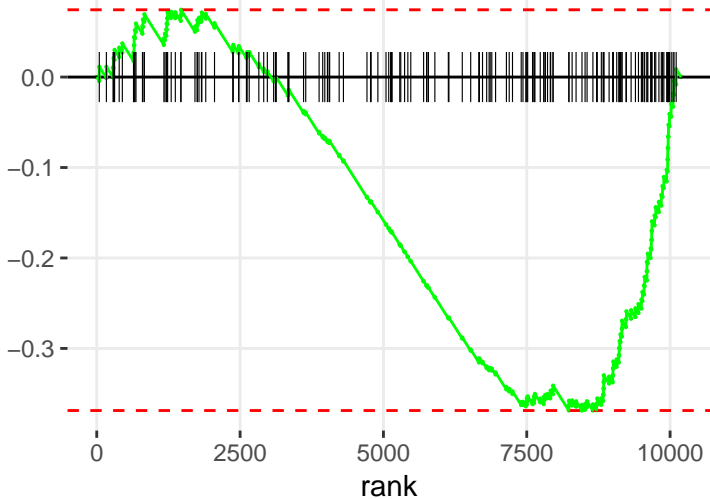
# SALVAGE PATHWAYS OF PYRIMIDINE RIBONUCLEOTIDES





# PHOSPHATIDYLETHANOLAMINE BIOSYNTHESIS III

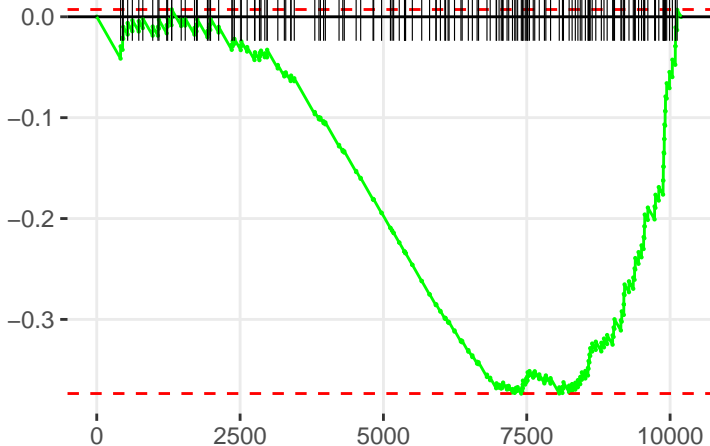
enrichment score



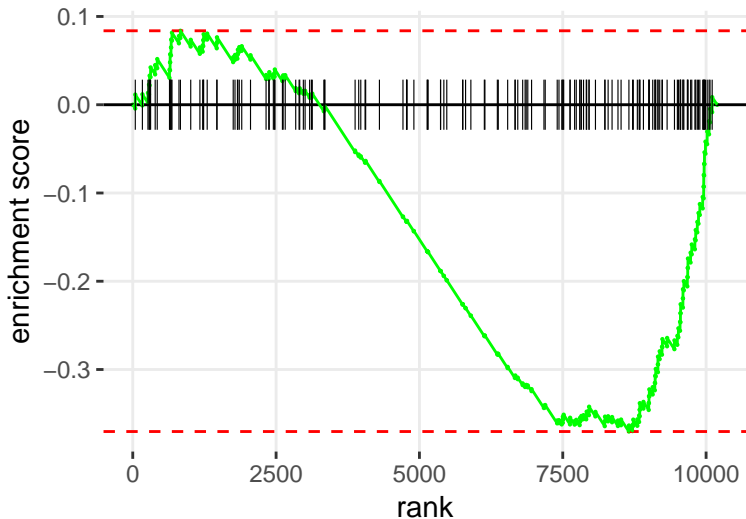
# PUTRESCINE DEGRADATION III

enrichment score

rank



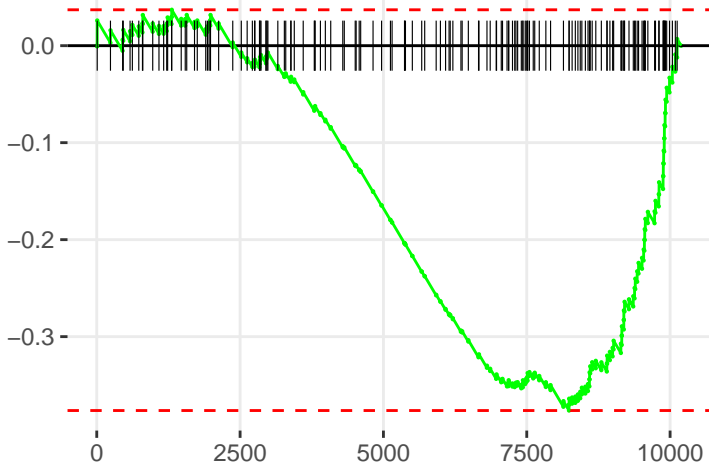
METHIONINE SALVAGE II (MAMMALIA)



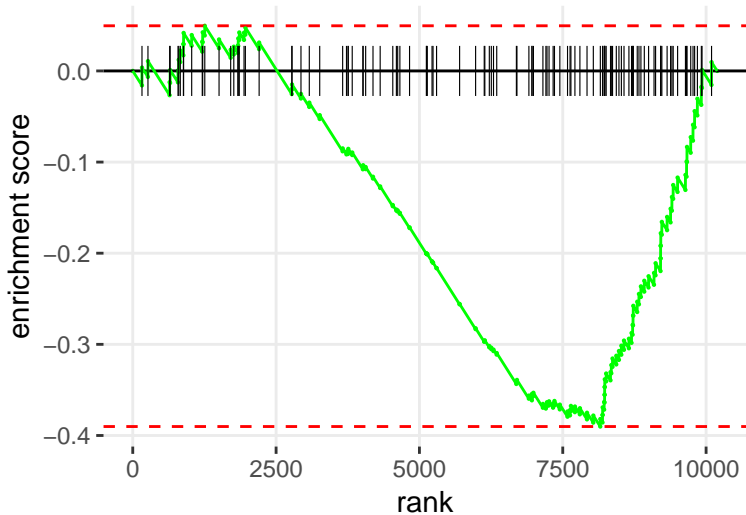
TRYPTOPHAN DEGRADATION X (MAMMALIAN, VIA TRYPTAMINE)

enrichment score

rank

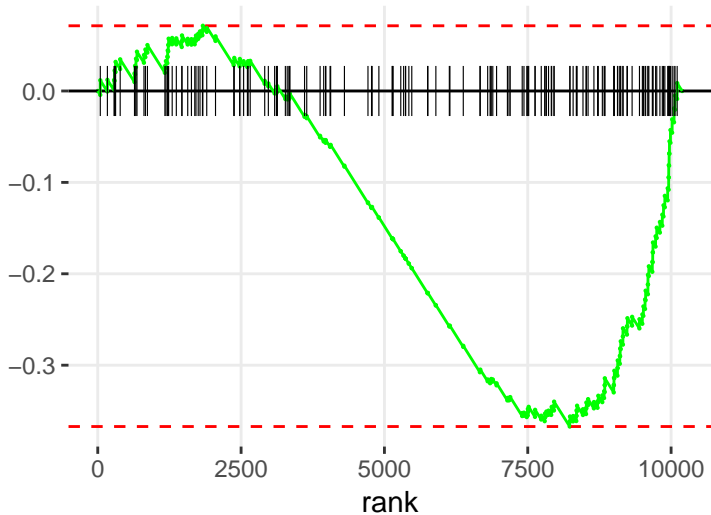


D-<IMYO</I-INOSITOL (1,3,4)-TRISPHOSPHATE BIOSYNTHESIS

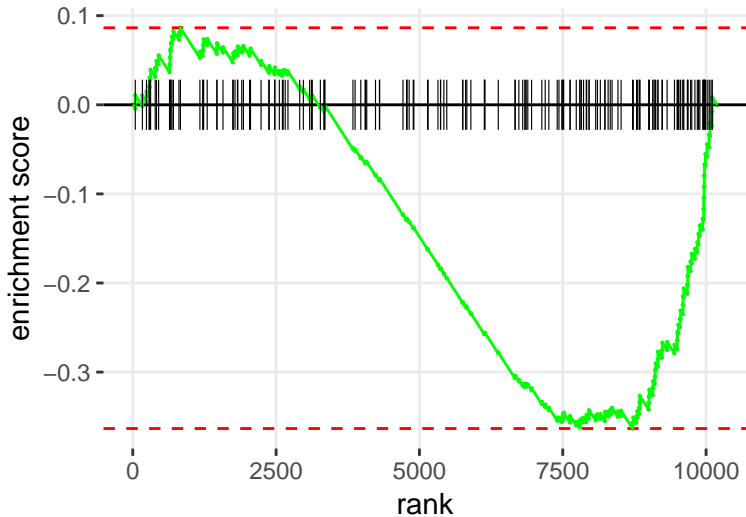


# LANOSTEROL BIOSYNTHESIS

enrichment score



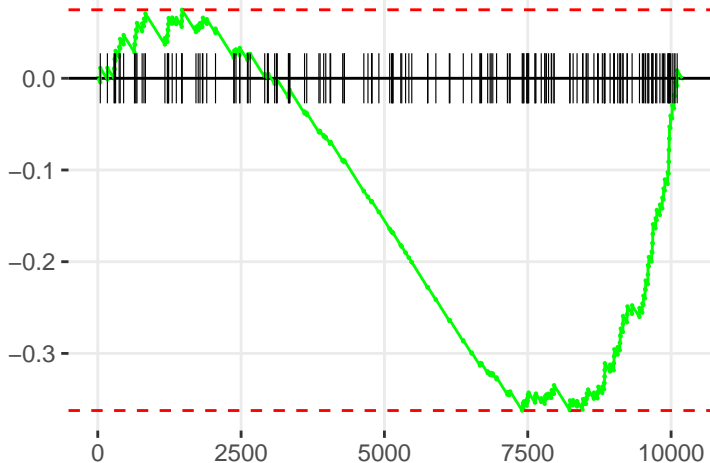
# L-CARNITINE BIOSYNTHESIS



# L-DOPACHROME BIOSYNTHESIS

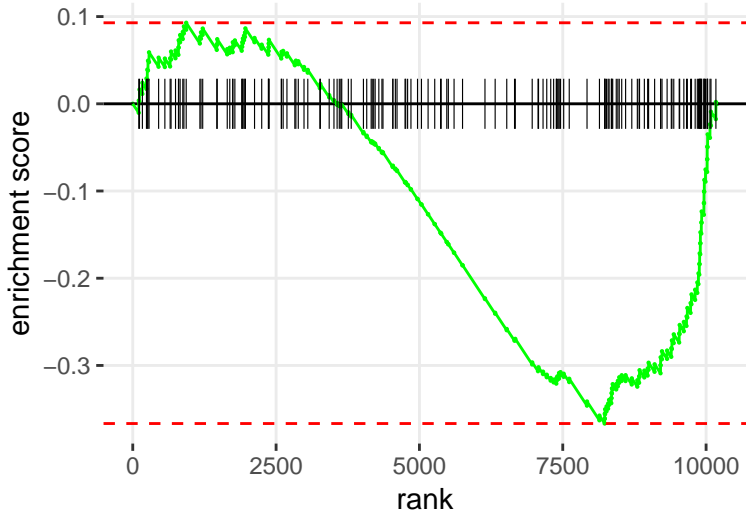
enrichment score

rank

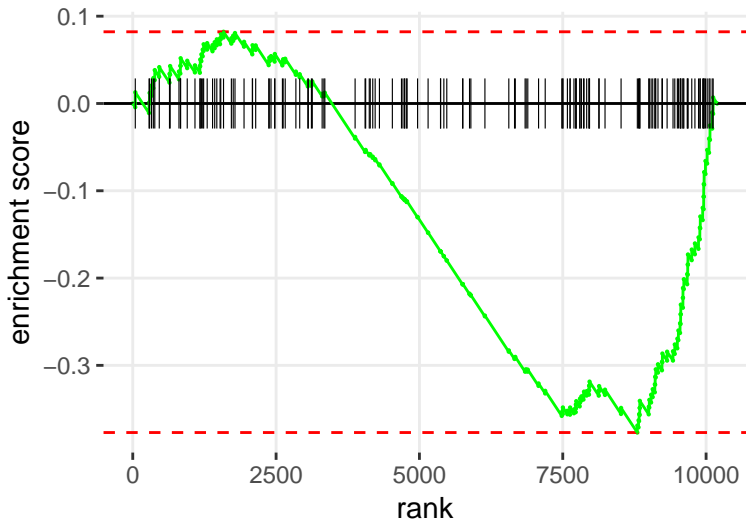




# FATTY ACID &ALPHA;-OXIDATION II



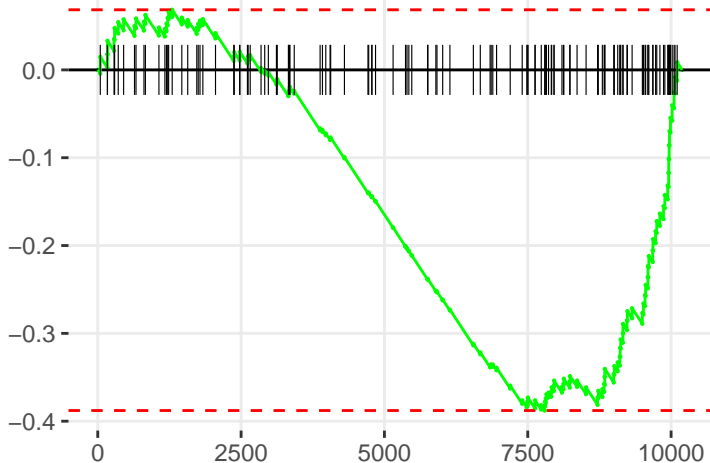
# THE VISUAL CYCLE I (VERTEBRATES)



# L-CYSTEINE DEGRADATION I

enrichment score

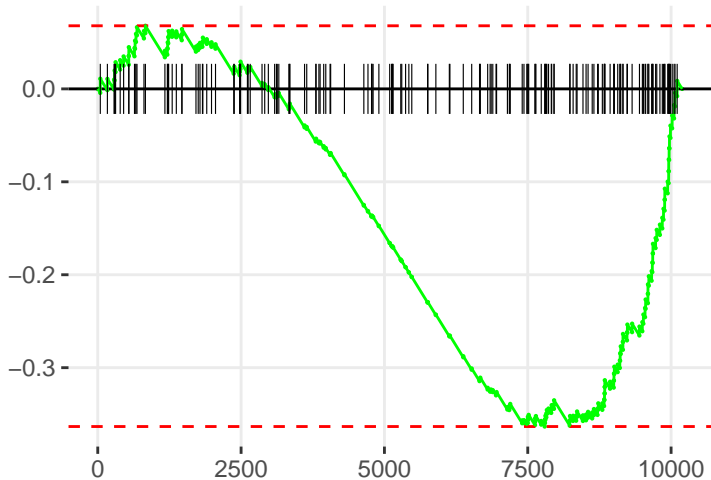
rank



# MELATONIN DEGRADATION II

enrichment score

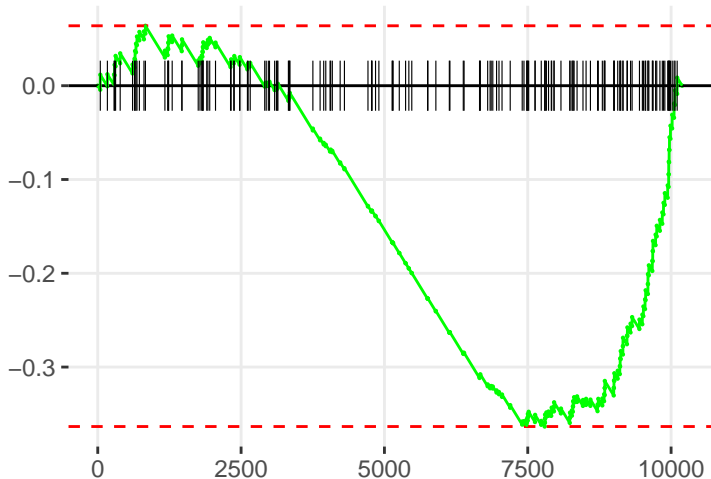
rank



# GLUTAMINE DEGRADATION I

enrichment score

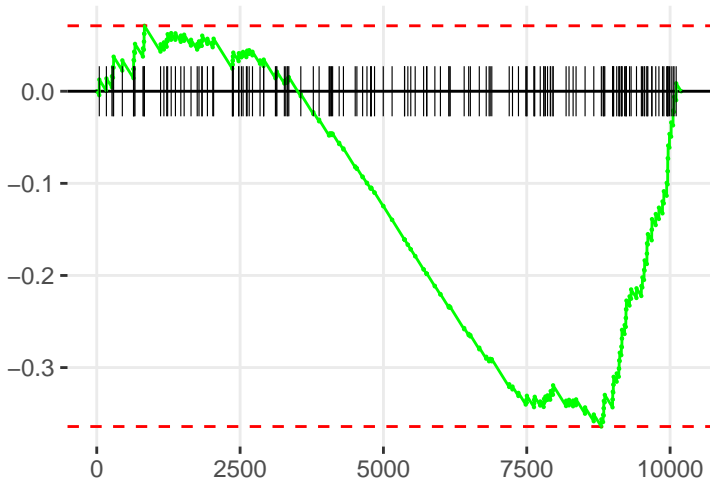
rank



# GLUTAMATE BIOSYNTHESIS II

enrichment score

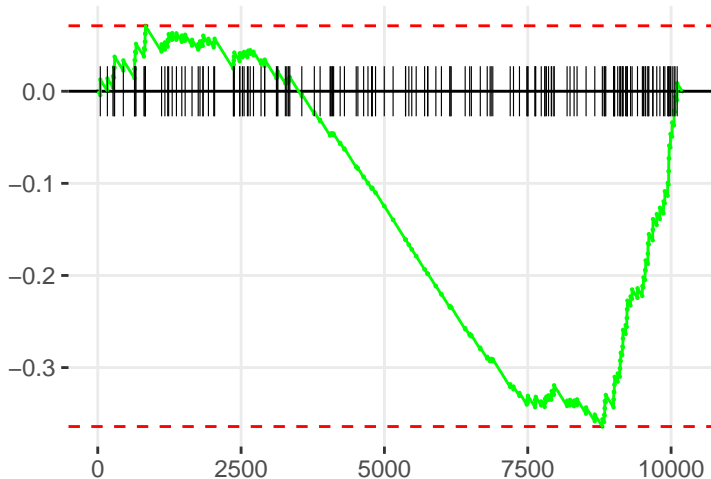
rank



# GLUTAMATE DEGRADATION X

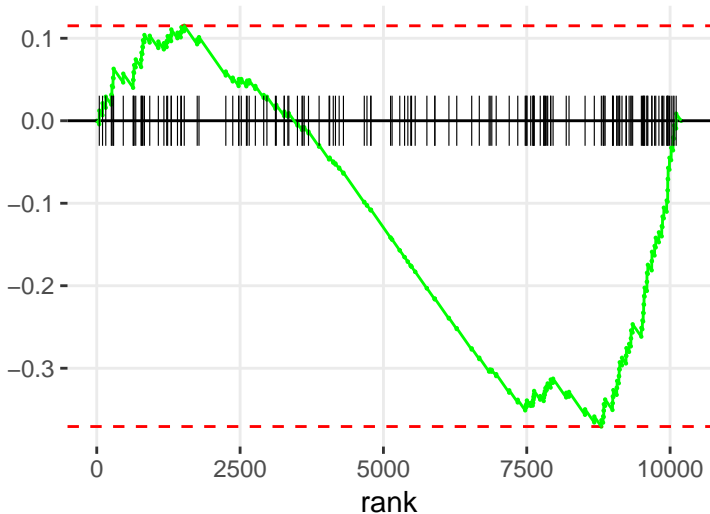
enrichment score

rank



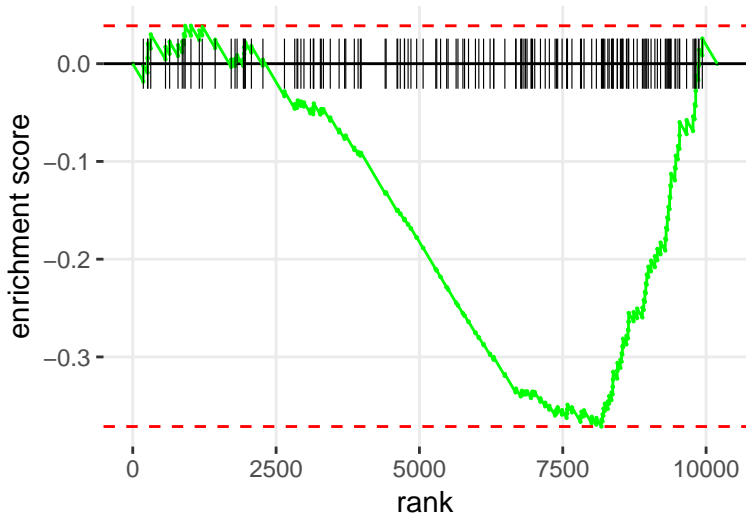
# SPHINGOMYELIN METABOLISM

enrichment score





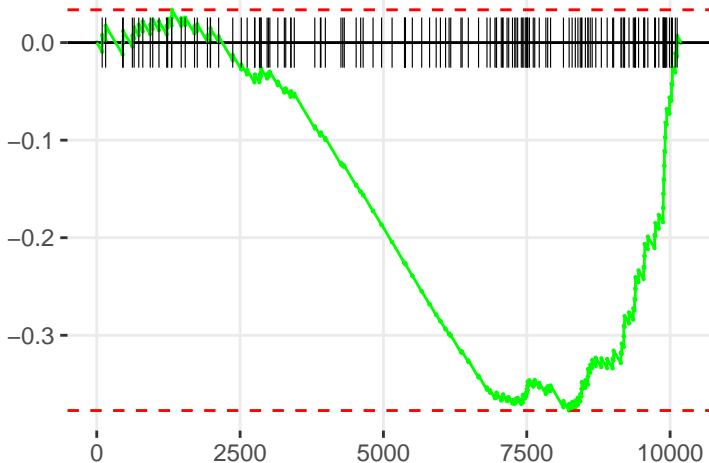
### 3-PHOSPHOINOSITIDE DEGRADATION



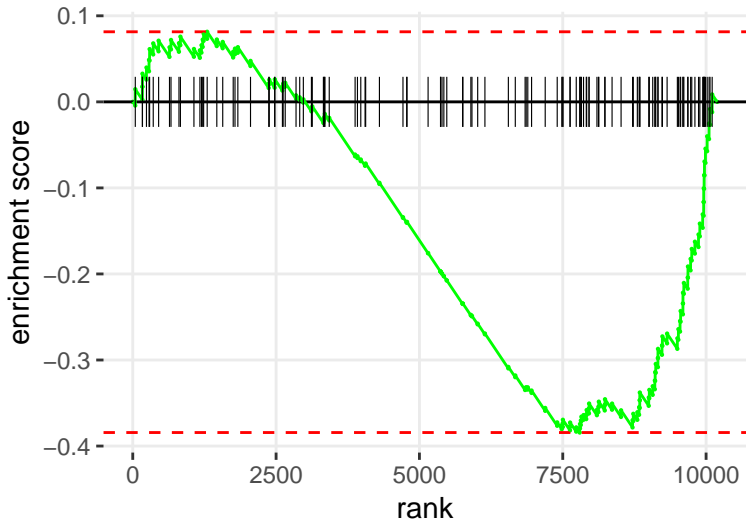
# DOPAMINE DEGRADATION

enrichment score

rank



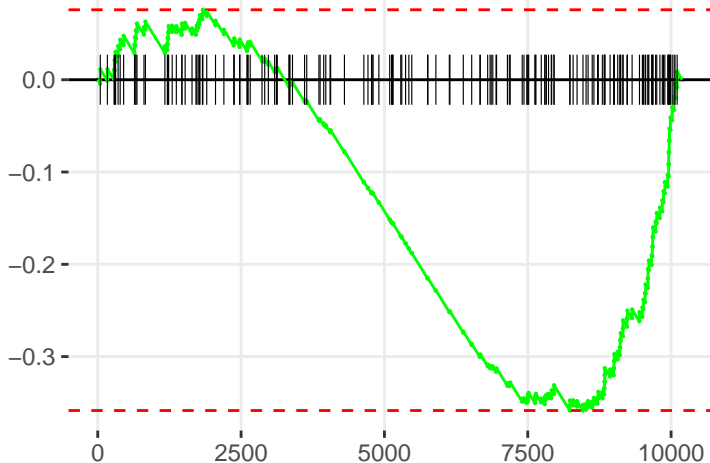
# TAURINE BIOSYNTHESIS



# SULFITE OXIDATION IV

enrichment score

rank



# FLAVIN BIOSYNTHESIS IV (MAMMALIAN)

enrichment score

rank

0.0

-0.1

-0.2

-0.3

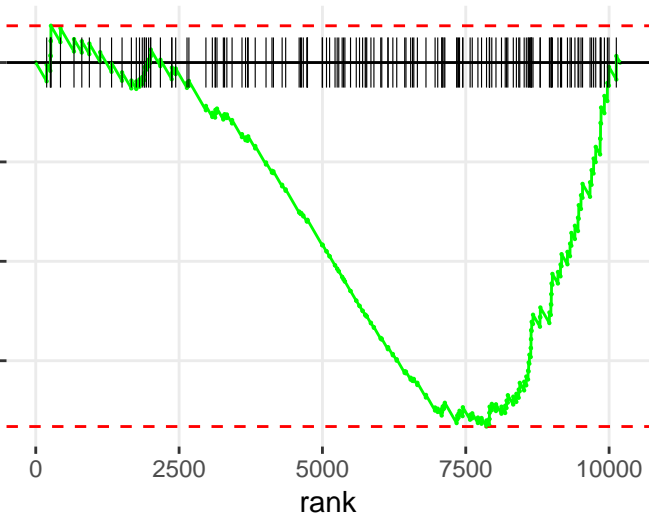
0

2500

5000

7500

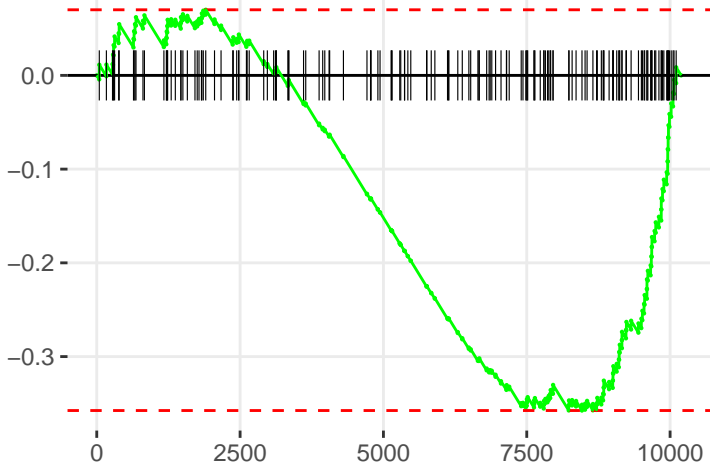
10000



# NAD BIOSYNTHESIS III

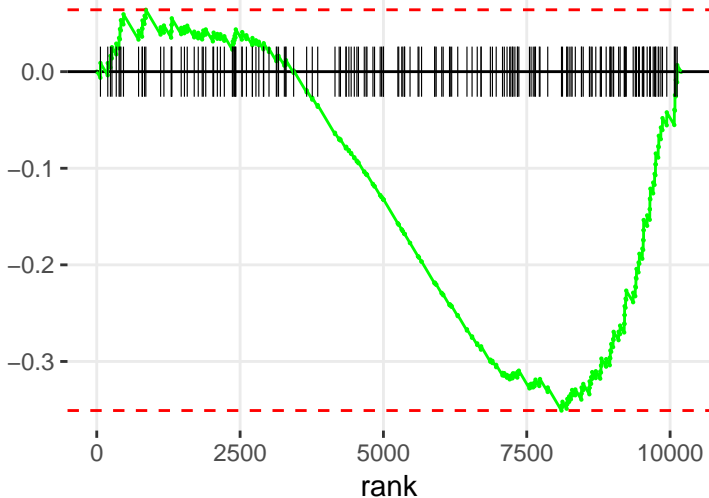
enrichment score

rank



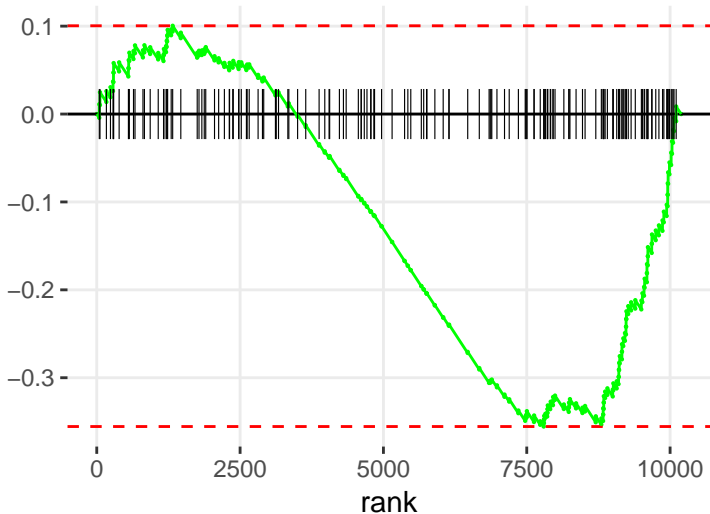
# ISOLEUCINE DEGRADATION I

enrichment score



# NAD BIOSYNTHESIS FROM 2-AMINO-3-CARBOXYMUCONATE SEMIALDEHYDE

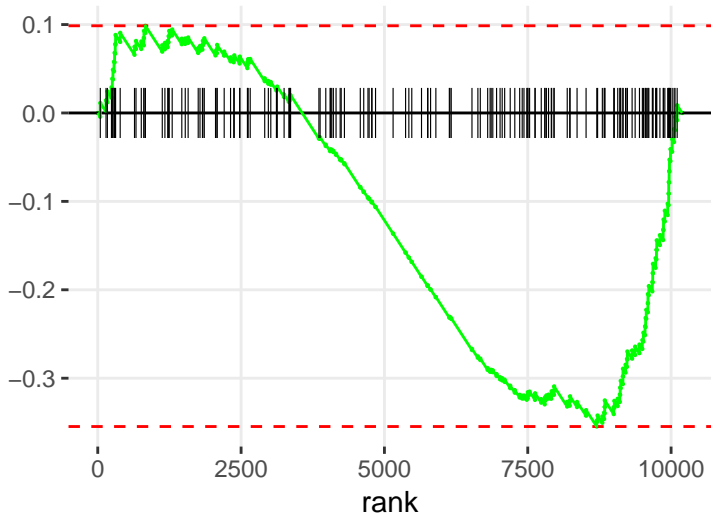
enrichment score





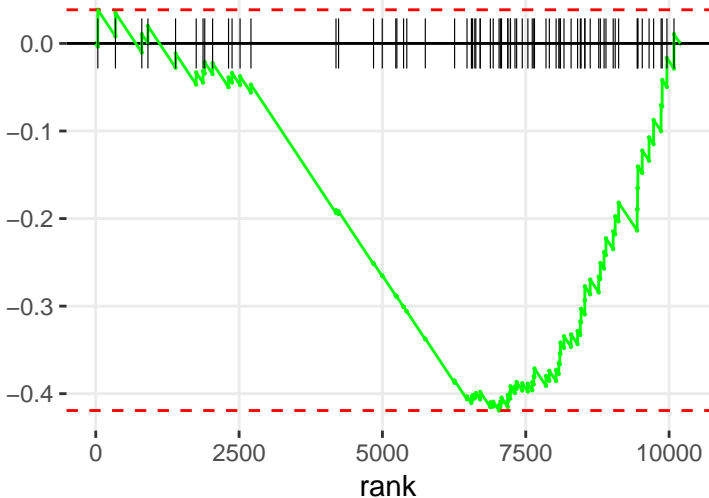
# URIDINE-5'-PHOSPHATE BIOSYNTHESIS

enrichment score



# L-GLUTAMINE BIOSYNTHESIS II (TRNA-DEPENDENT)

enrichment score



# ETHANOL DEGRADATION II

enrichment score

rank

0.0

-0.1

-0.2

-0.3

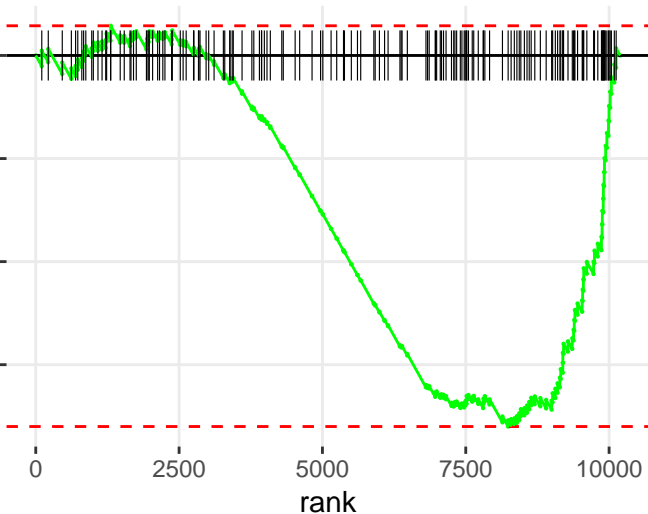
0

2500

5000

7500

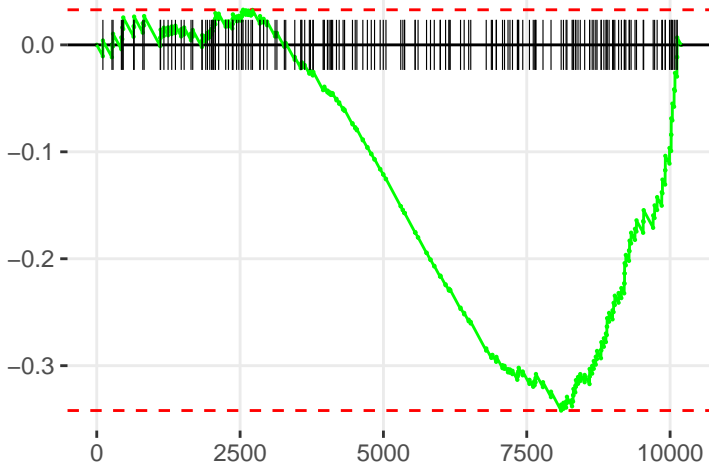
10000



# ARGININE BIOSYNTHESIS IV

enrichment score

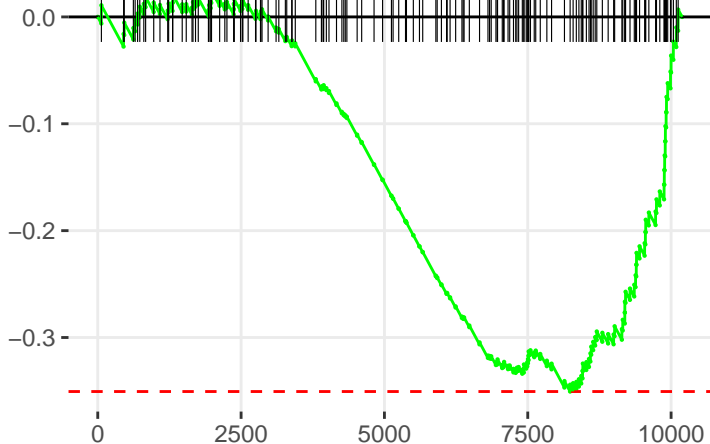
rank



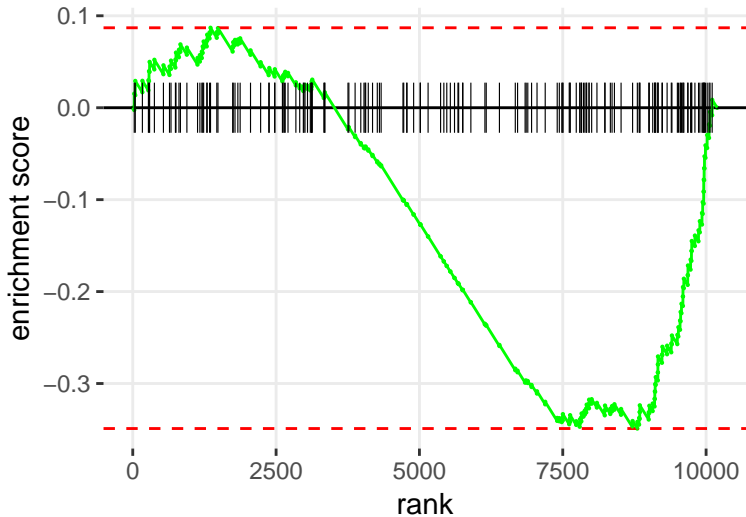
# NORADRENALINE AND ADRENALINE DEGRADATION

enrichment score

rank

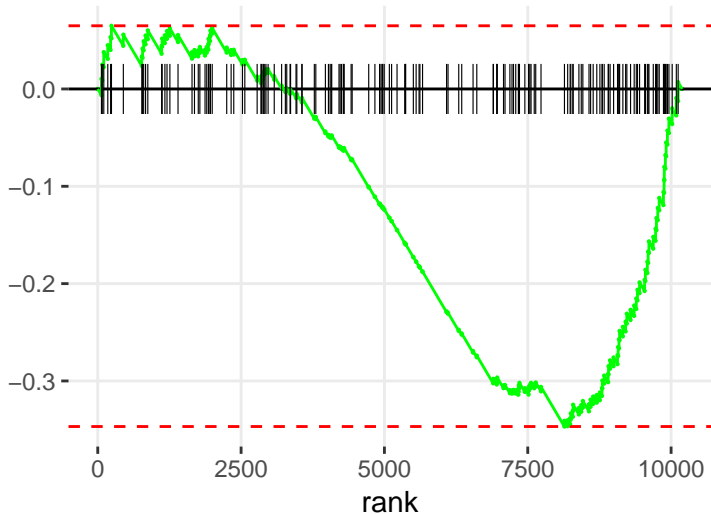


# METHYLGLYOXAL DEGRADATION VI



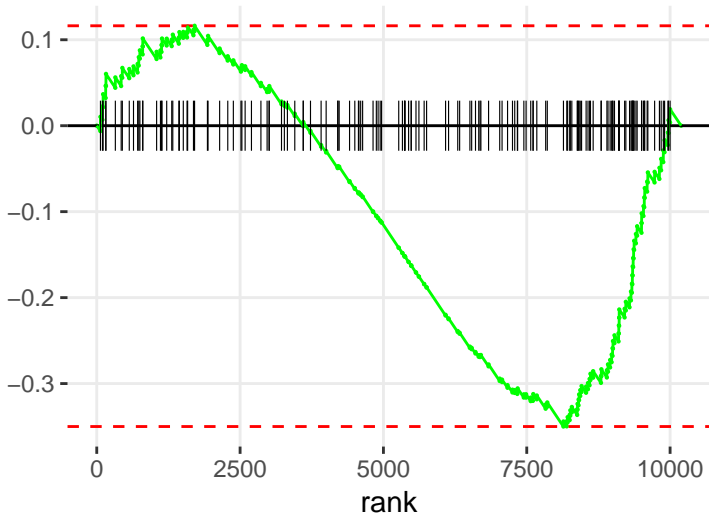
# PYRUVATE DECARBOXYLATION TO ACETYL COA

enrichment score



# PYRIMIDINE DEOXYRIBONUCLEOTIDES <IDE NOVO</I> BIOSYNTHESIS I

enrichment score

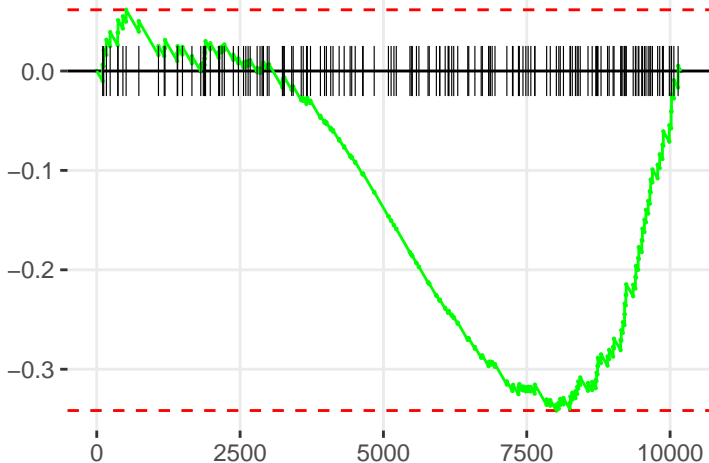




# DERMATAN SULFATE DEGRADATION (METAZOA)

enrichment score

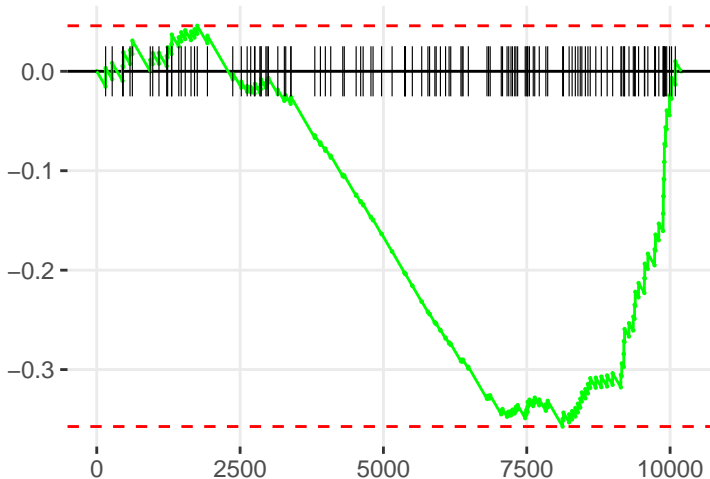
rank



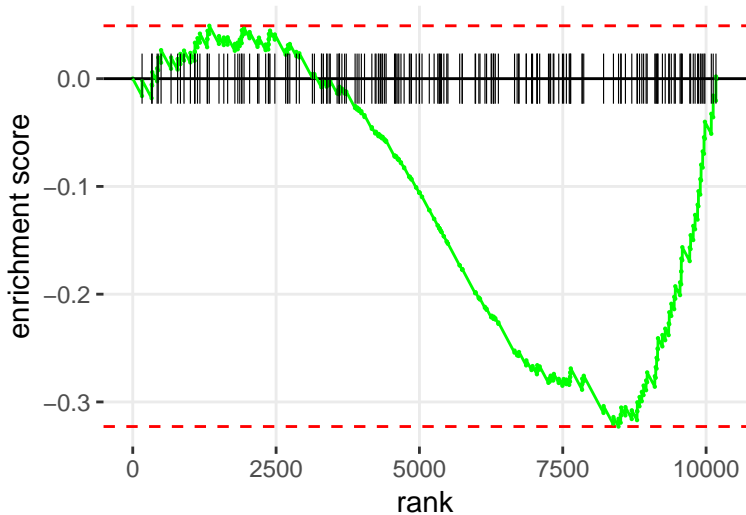
# SEROTONIN DEGRADATION

enrichment score

rank

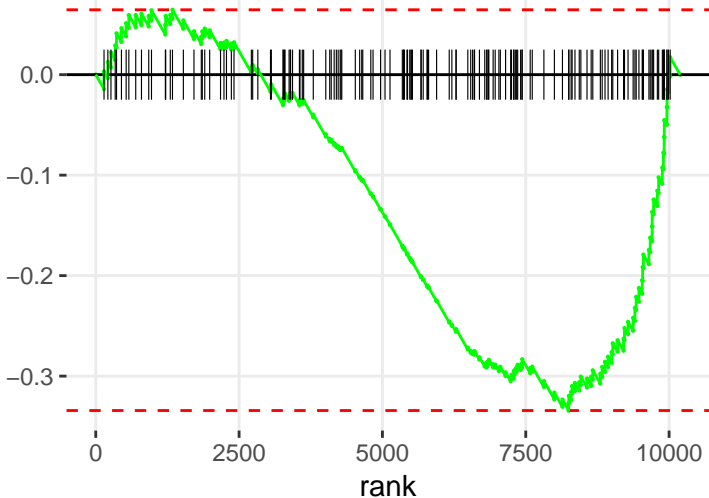


# MOLYBDENUM COFACTOR BIOSYNTHESIS



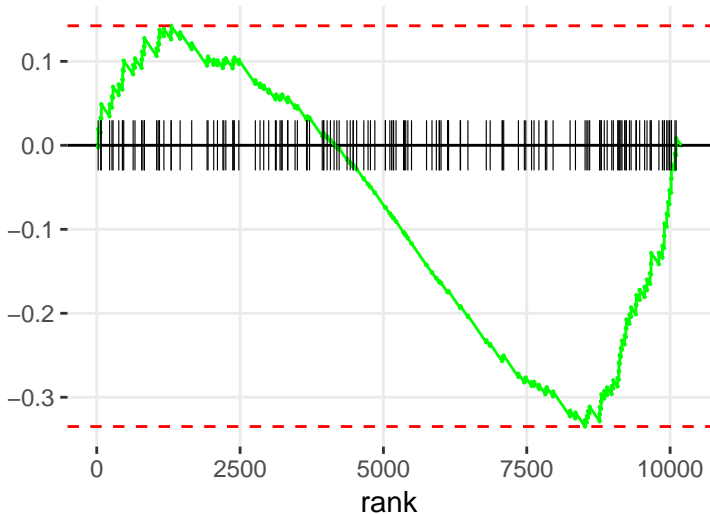
# DOLICHYL-DIPHOSPHOOLIGOSACCHARIDE BIOSYNTHESIS

enrichment score



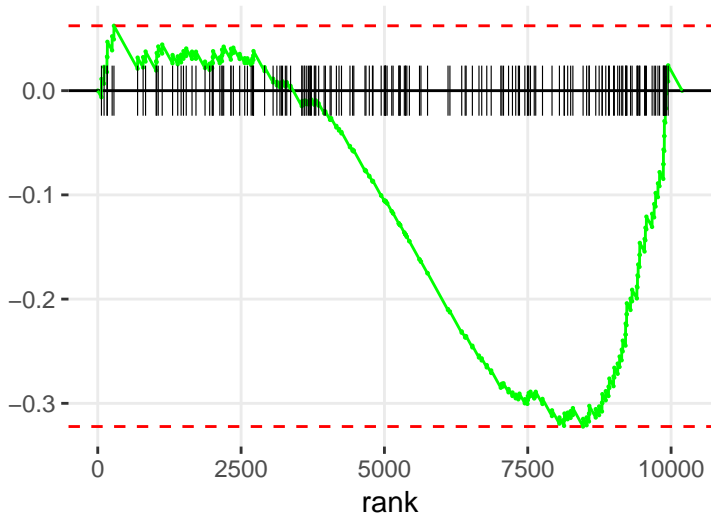
# SALVAGE PATHWAYS OF PYRIMIDINE DEOXYRIBONUCLEOTIDES

enrichment score

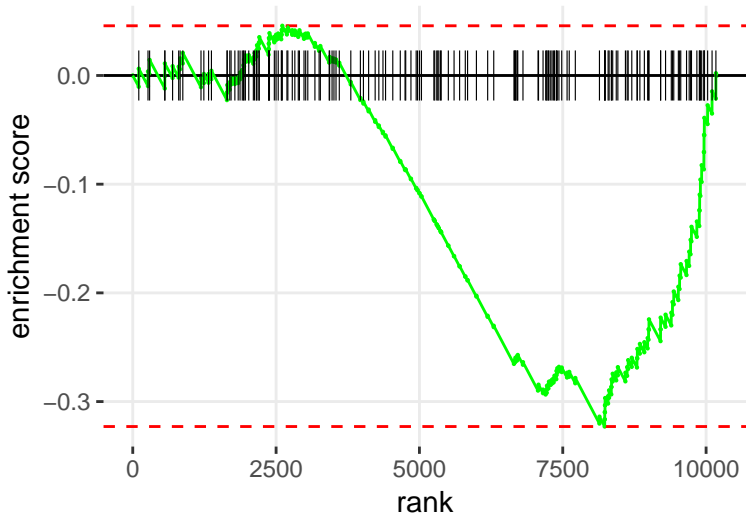


# SUCROSE DEGRADATION V (MAMMALIAN)

enrichment score

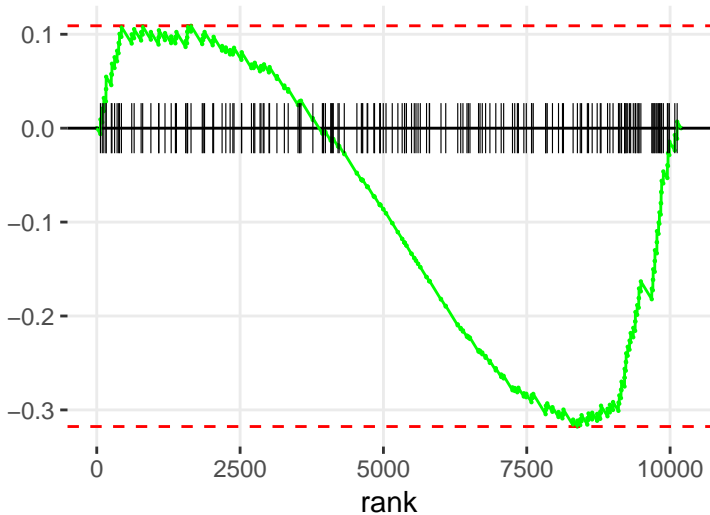


FATTY ACID & BETA;-OXIDATION I



# GLUTATHIONE-MEDIATED DETOXIFICATION I

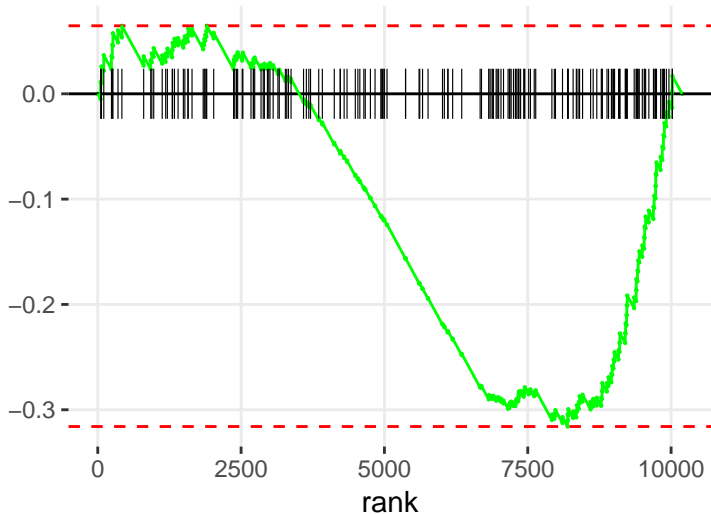
enrichment score





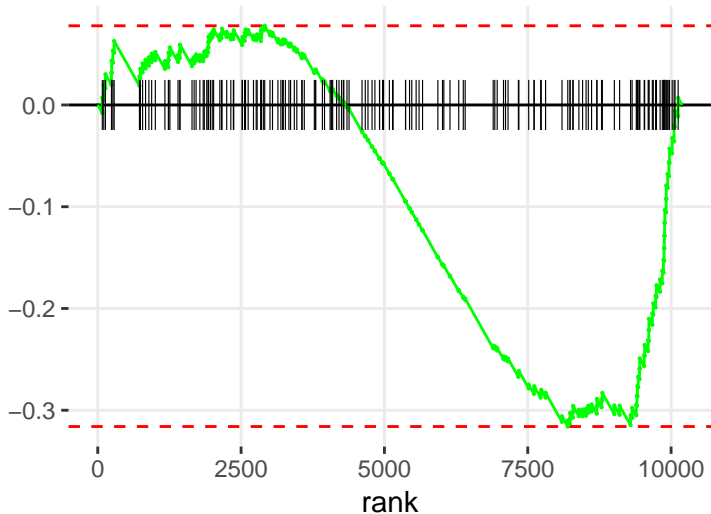
# MEVALONATE PATHWAY I

enrichment score

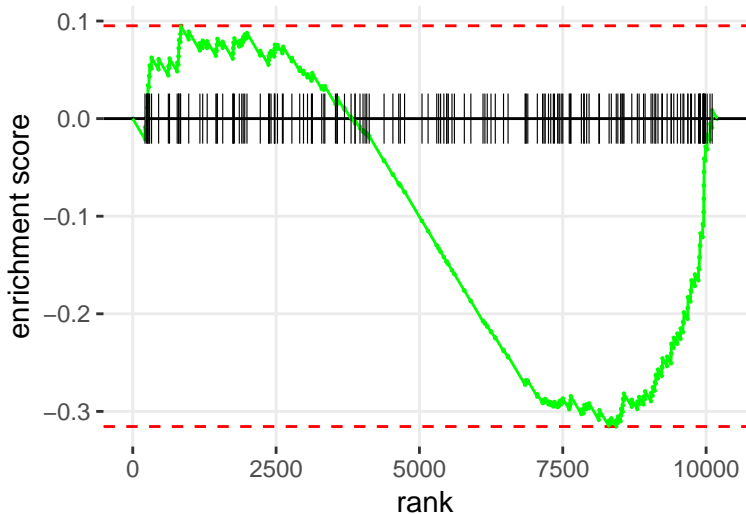


# 2-OXOGLUTARATE DECARBOXYLATION TO SUCCINYL-COA

enrichment score

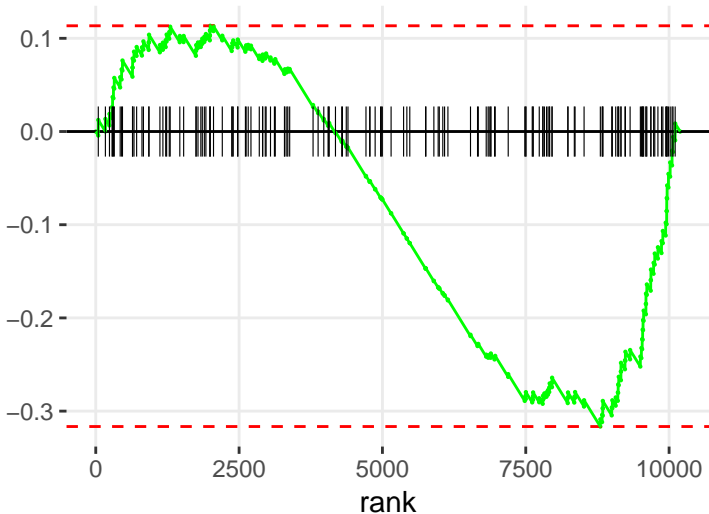


# ZYMOSTEROL BIOSYNTHESIS

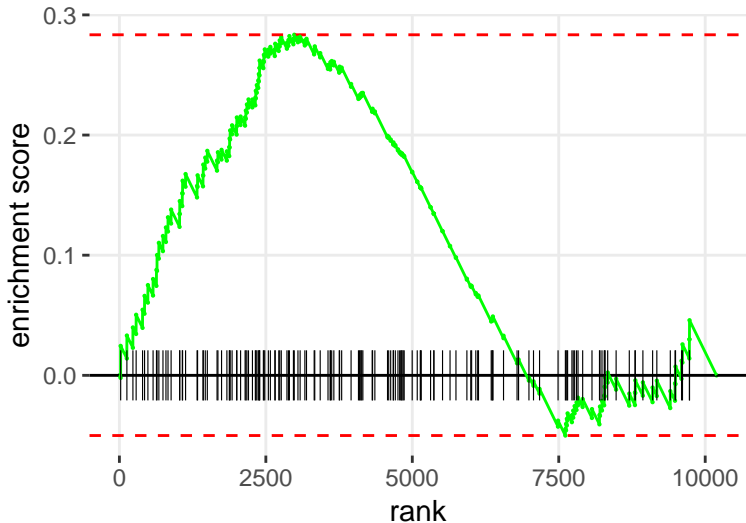


# UBIQUINOL-10 BIOSYNTHESIS (EUKARYOTIC)

enrichment score

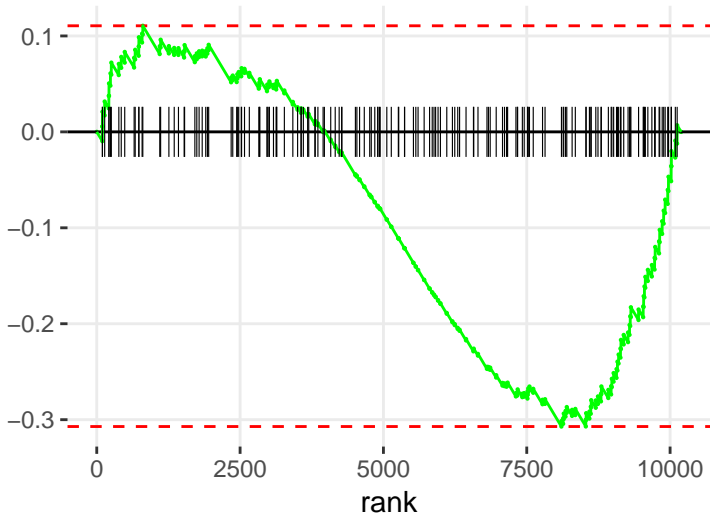


# 4-AMINOBTYRATE DEGRADATION I



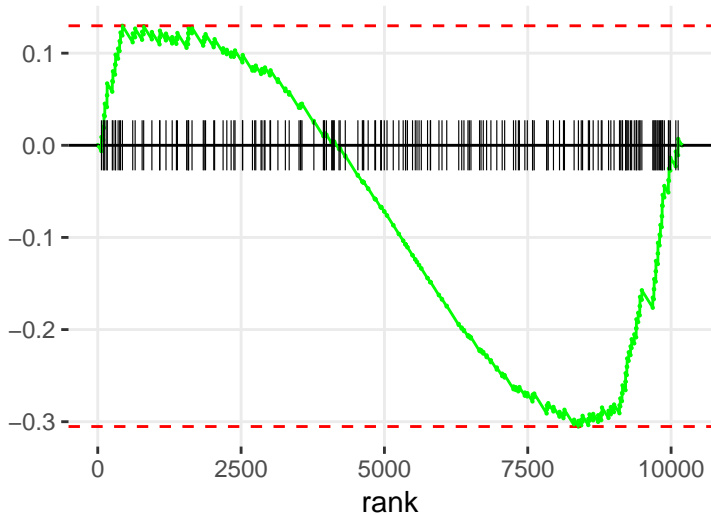
# FOLATE TRANSFORMATIONS I

enrichment score

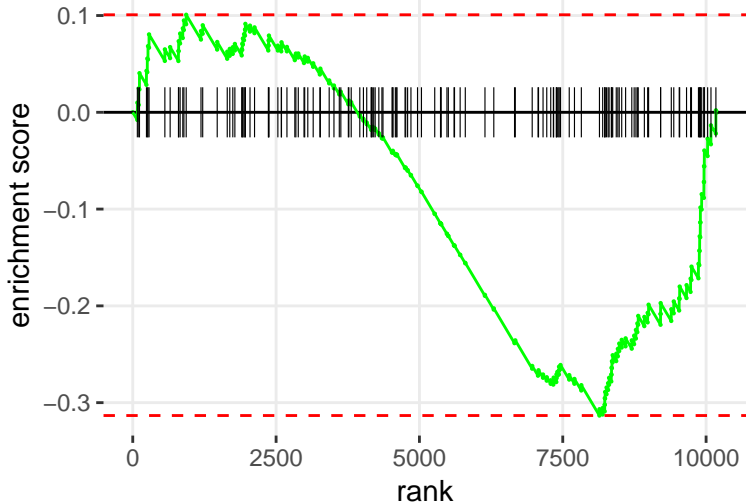


# 4-HYDROXY-2-NONENAL DETOXIFICATION

enrichment score

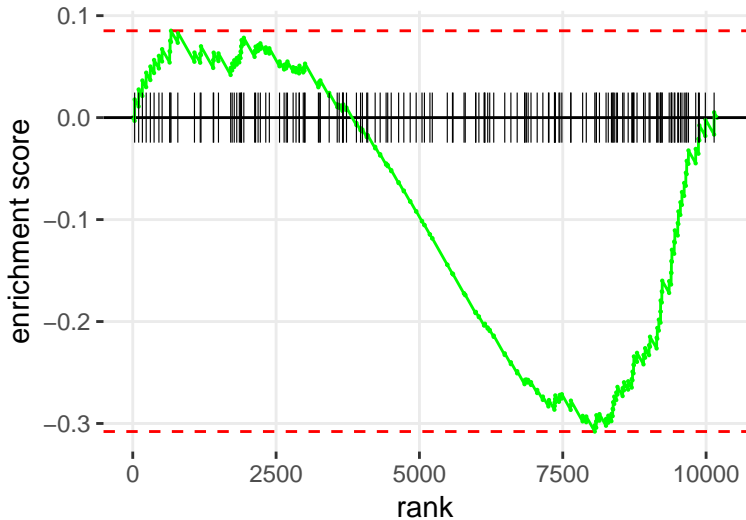


# STEARATE BIOSYNTHESIS I (ANIMALS)

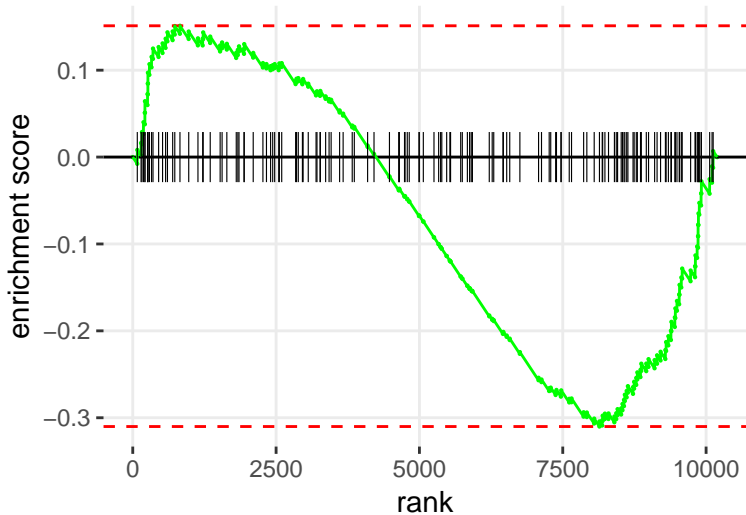




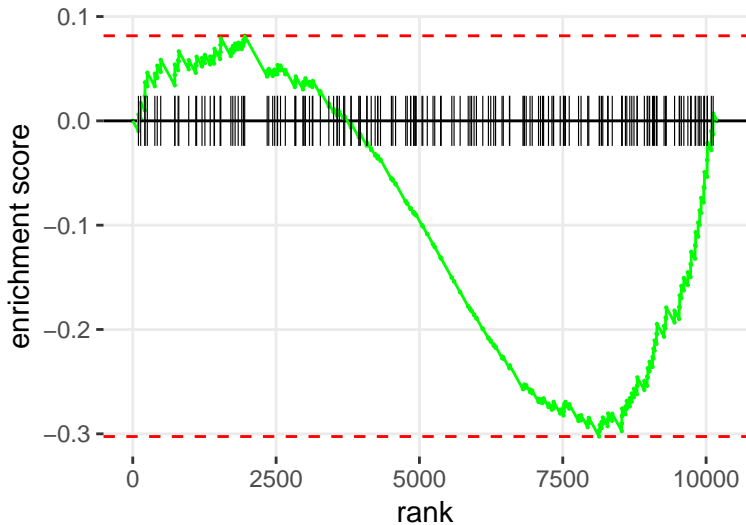
# CHONDROITIN SULFATE DEGRADATION (METAZOA)



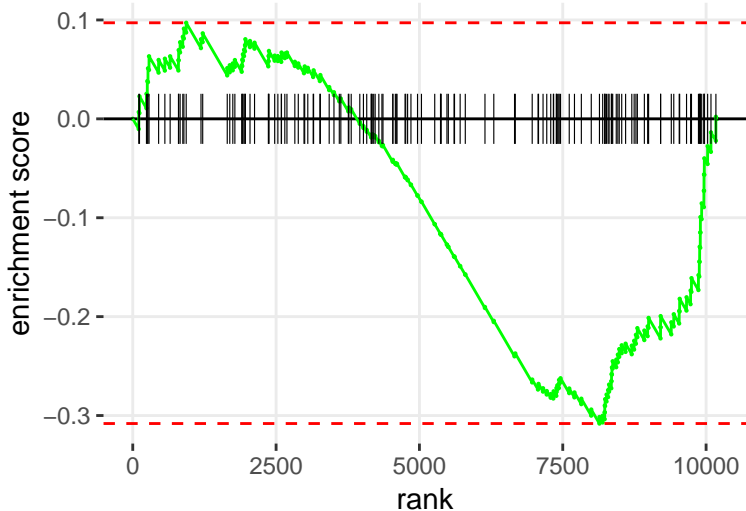
# PHENYLETHYLAMINE DEGRADATION I



# FOLATE POLYGLUTAMYLATION

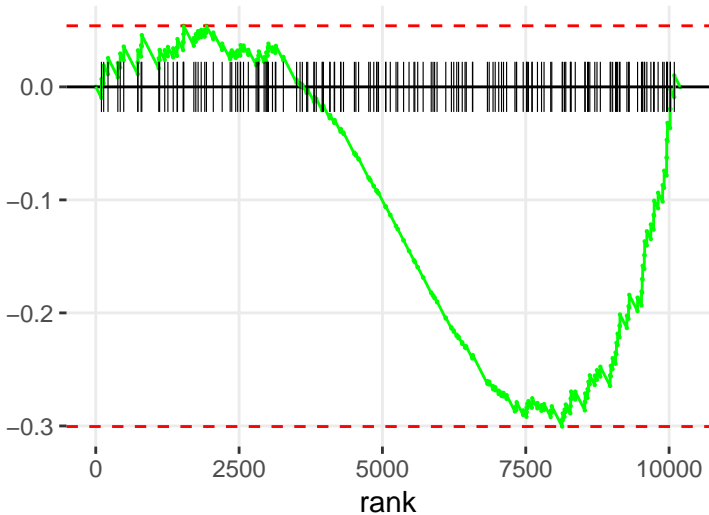


# EICOSAPENTAENOATE BIOSYNTHESIS II (METAZOA)

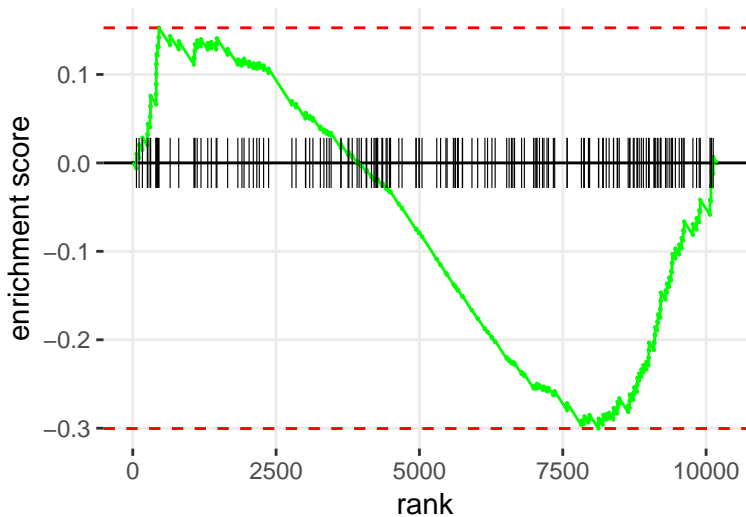


# GLYCINE BIOSYNTHESIS I

enrichment score

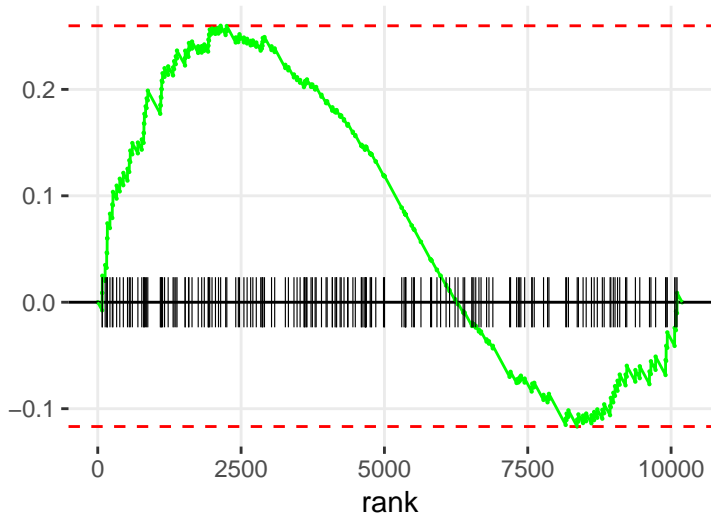


# PROSTANOID BIOSYNTHESIS

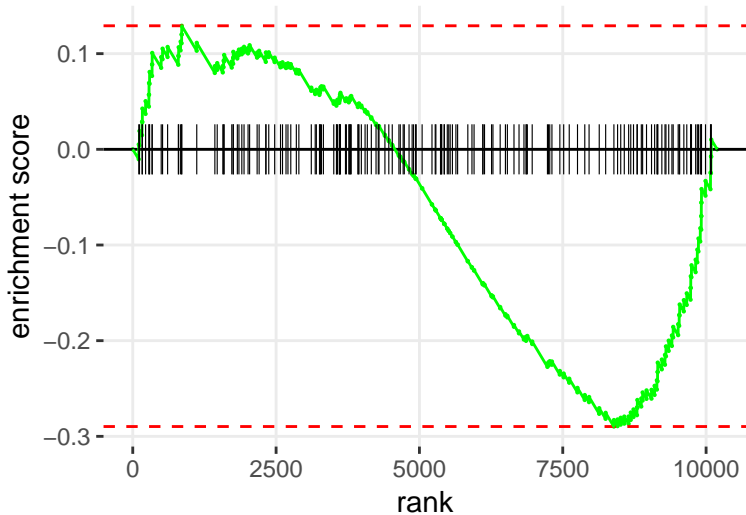


# METHYLMALONYL PATHWAY

enrichment score

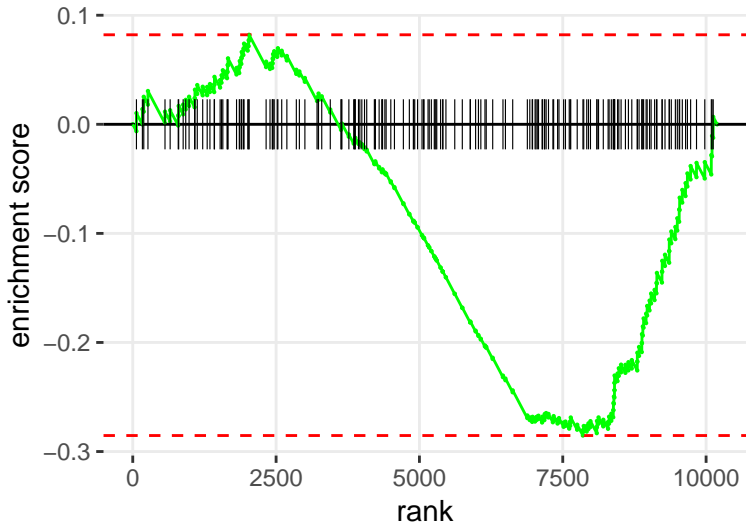


# THIOSULFATE DISPROPORTIONATION III (RHODANESE)

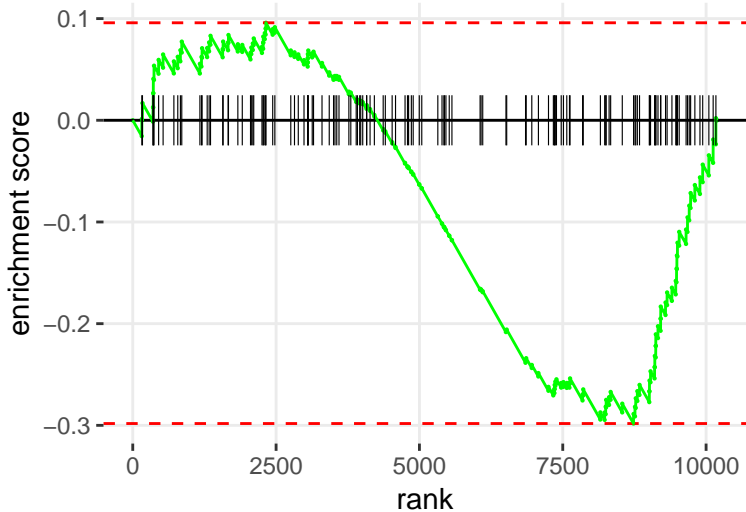




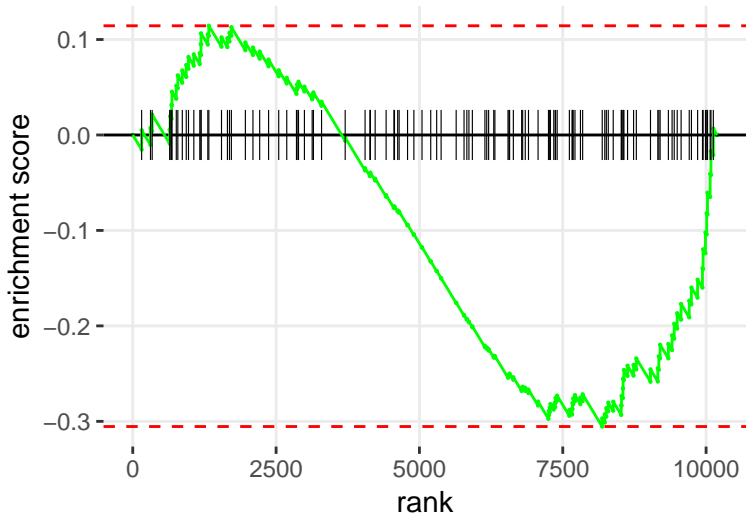
# SELENOCYSTEINE BIOSYNTHESIS II (ARCHAEA AND EUKARYOTES)



# BUPROPION DEGRADATION

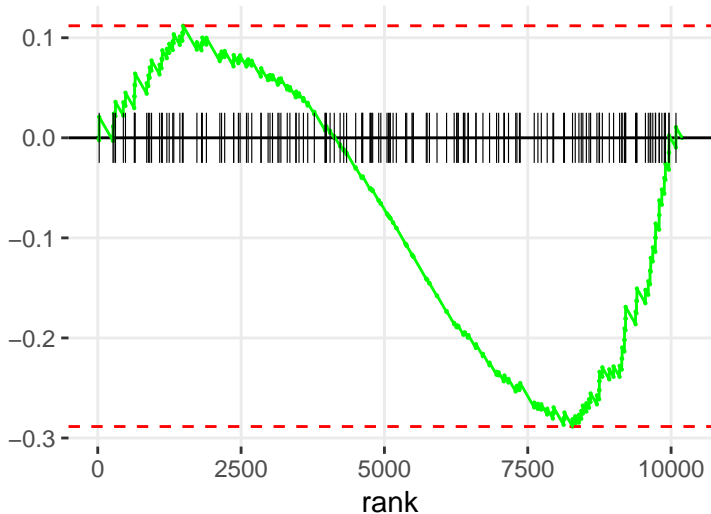


# HEPARAN SULFATE BIOSYNTHESIS (LATE STAGES)



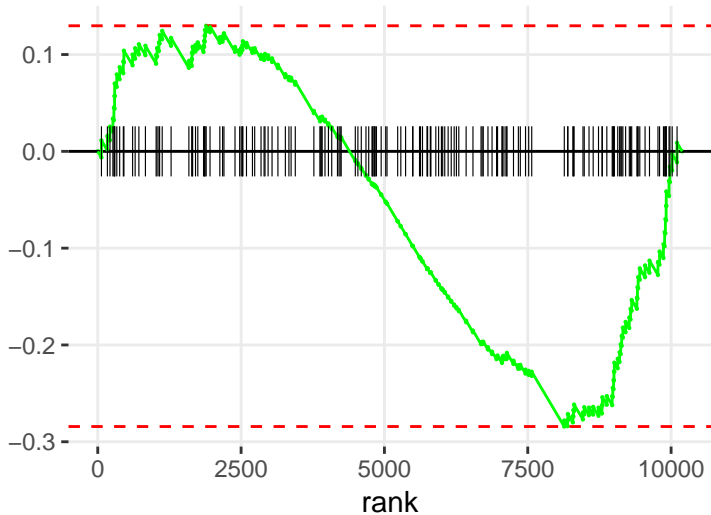
# CALCIUM TRANSPORT I

enrichment score

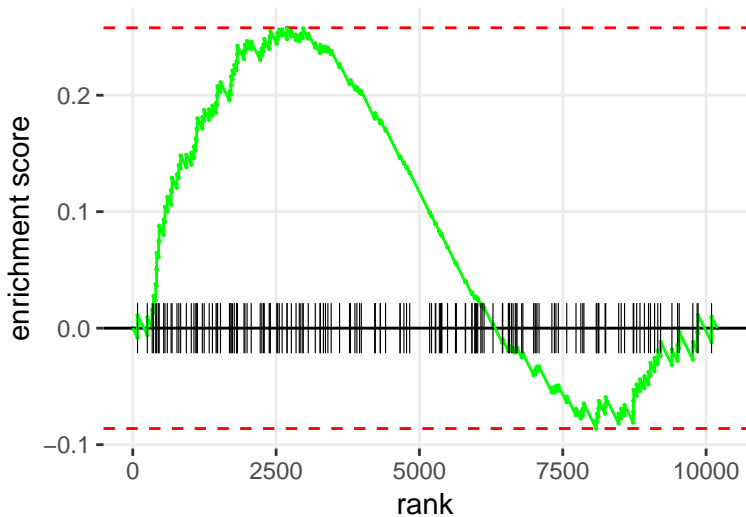


# PYRUVATE FERMENTATION TO LACTATE

enrichment score



# SPERMINE AND SPERMIDINE DEGRADATION I



# GLYCINE BETAIN DEGRADATION

enrichment score

0.0

-0.1

-0.2

0

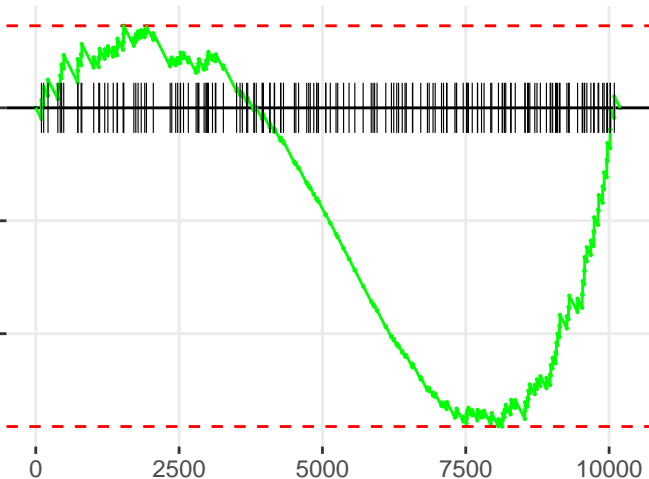
2500

5000

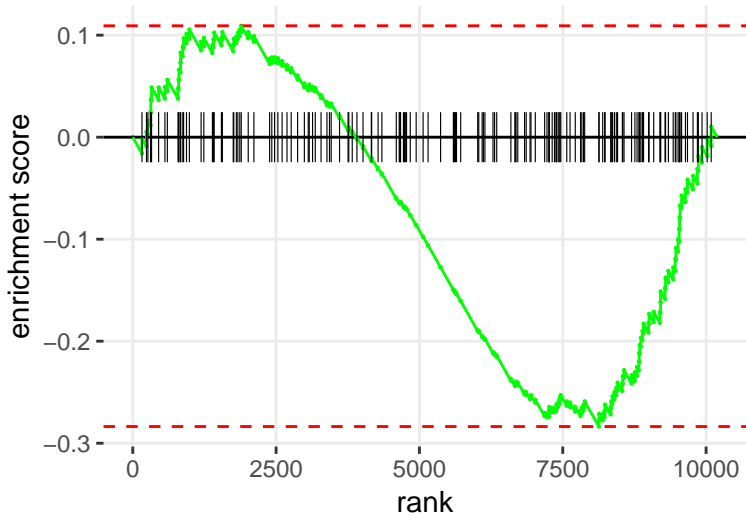
7500

10000

rank



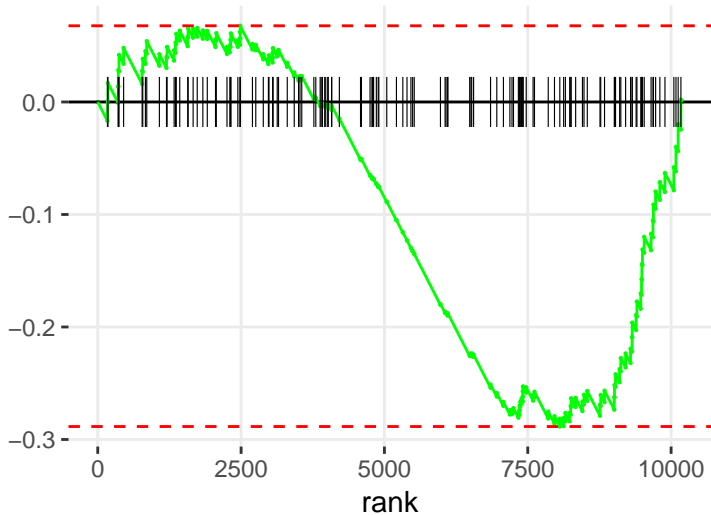
# CATECHOLAMINE BIOSYNTHESIS





# NICOTINE DEGRADATION IV

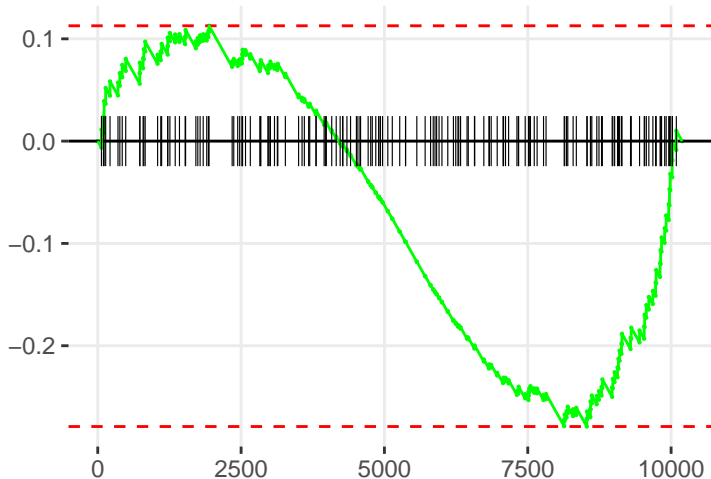
enrichment score



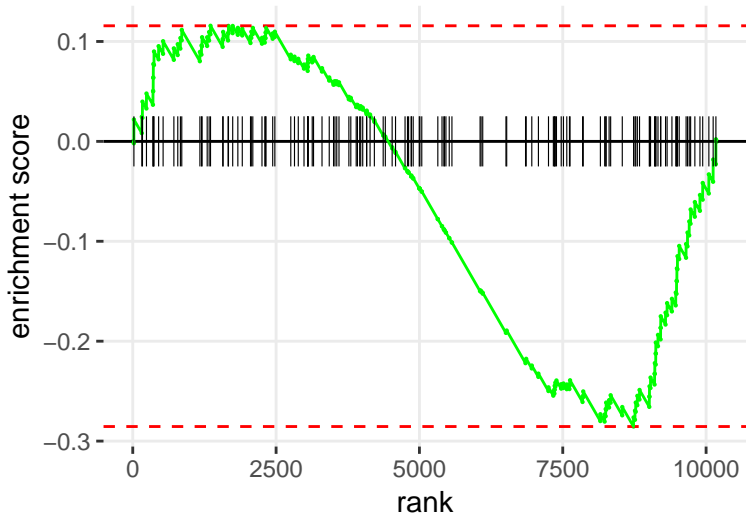
DTMP <IDE NOVO</I> BIOSYNTHESIS

enrichment score

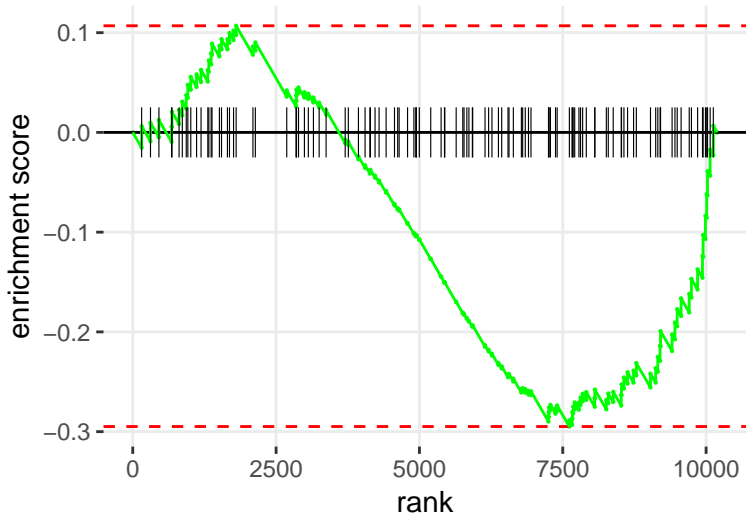
rank



# ACETONE DEGRADATION I (TO METHYLGLYOXAL)

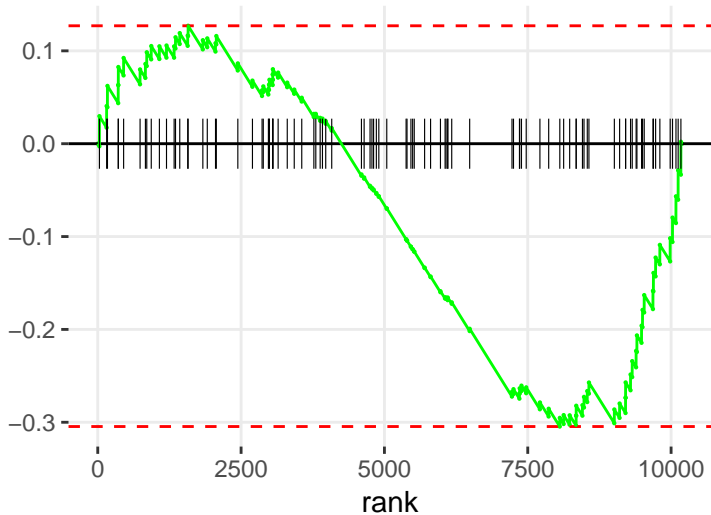


# GLYCOAMINOGLYCAN-PROTEIN LINKAGE REGION BIOSYNTHESIS



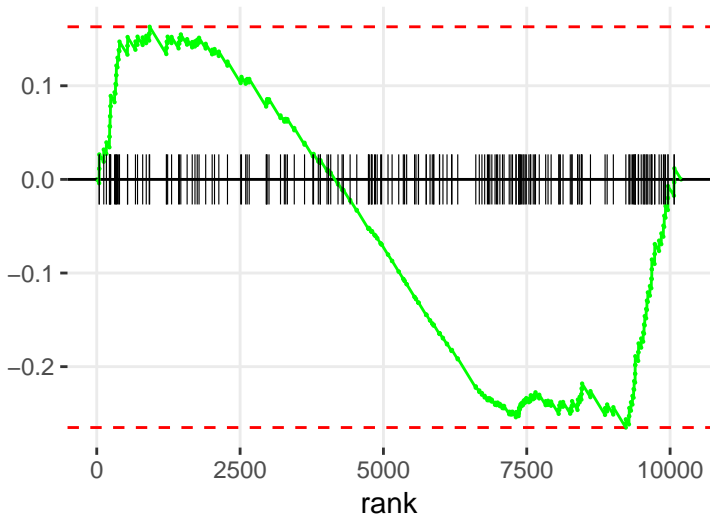
# MELATONIN DEGRADATION I

enrichment score



# GLUTAMATE DEPENDENT ACID RESISTANCE

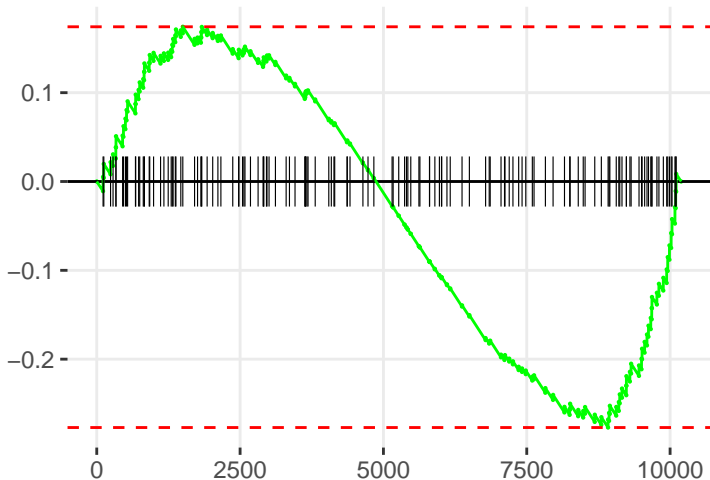
enrichment score



# PHENYLALANINE DEGRADATION I (AEROBIC)

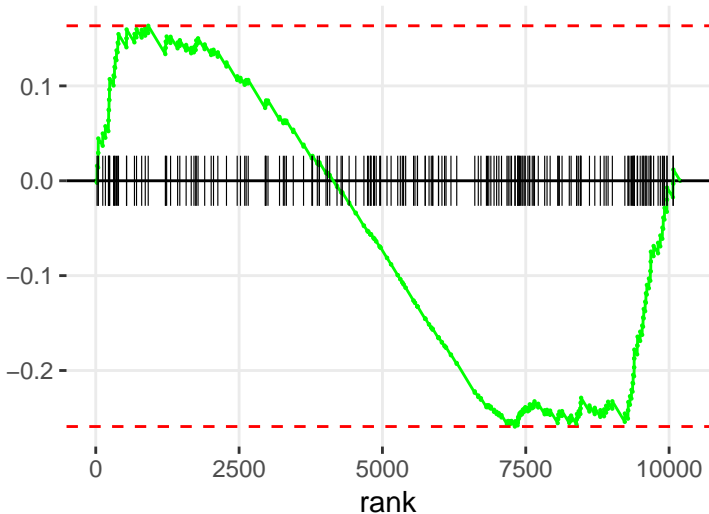
enrichment score

rank



# GLUTAMATE DEGRADATION III (VIA 4-AMINOBUTYRATE)

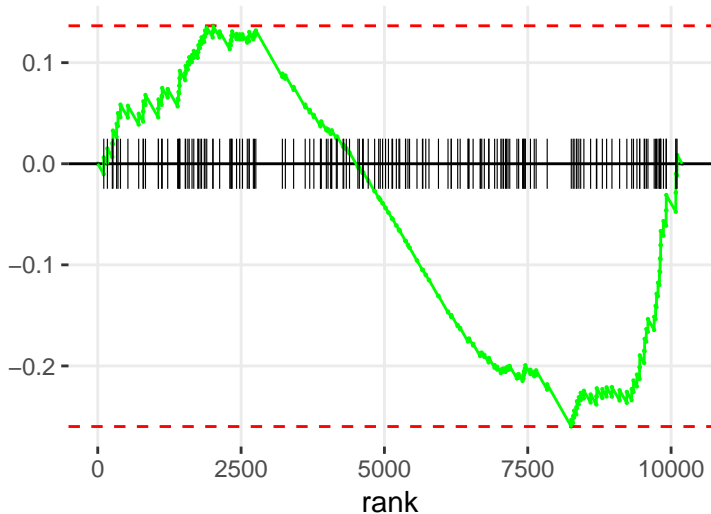
enrichment score





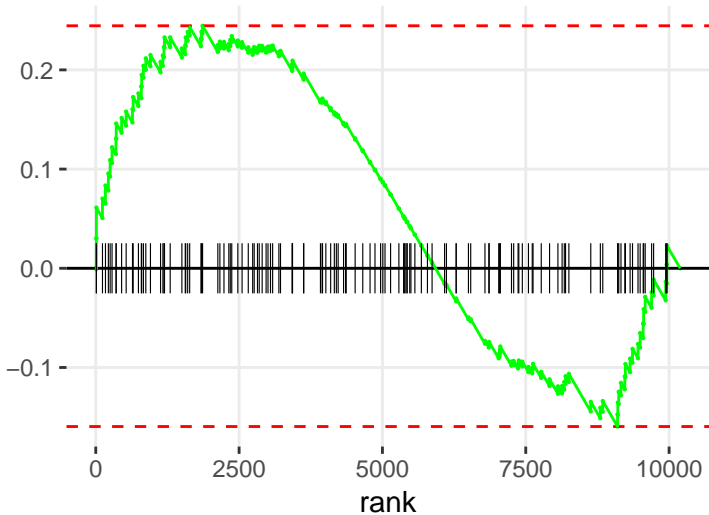
## UDP-&lt;IN&lt;/I&gt;-ACETYL-D-GALACTOSAMINE BIOSYNTHESIS II

enrichment score



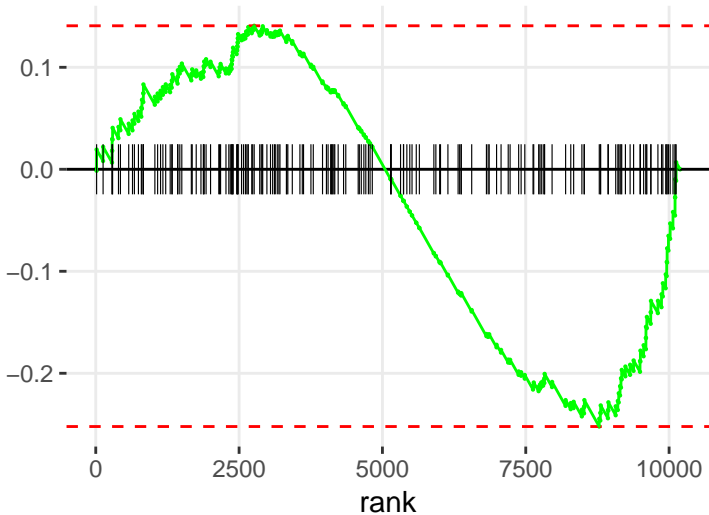
# ANDROGEN BIOSYNTHESIS

enrichment score



# CARDIOLIPIN BIOSYNTHESIS II

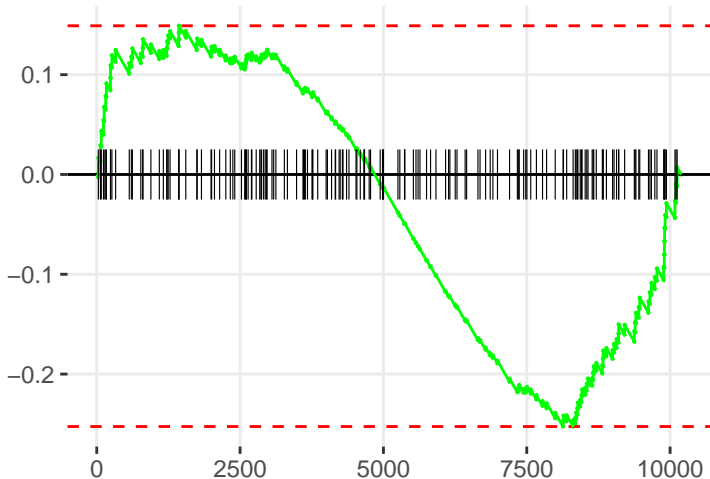
enrichment score



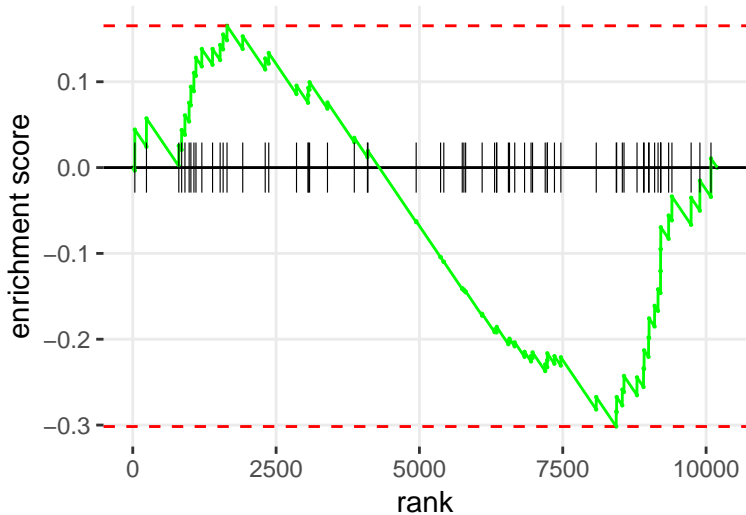
# PALMITATE BIOSYNTHESIS I (ANIMALS)

enrichment score

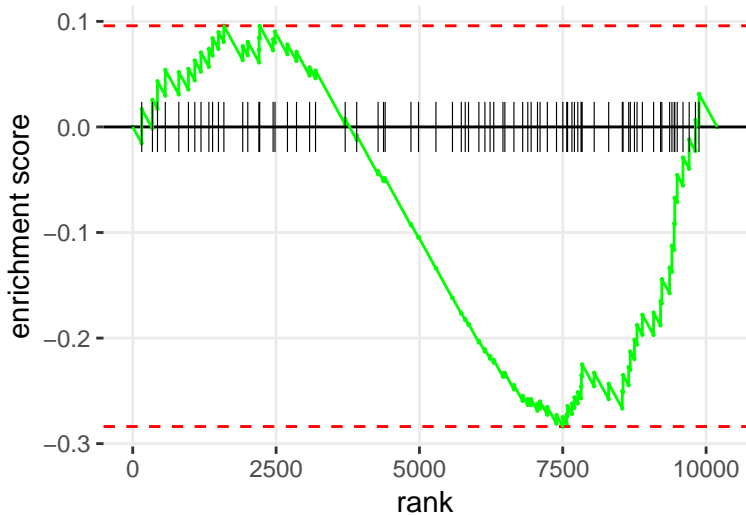
rank



## 2-AMINO-3-CARBOXYMUCONATE SEMIALDEHYDE DEGRADATION TO GLUTARYL-CO

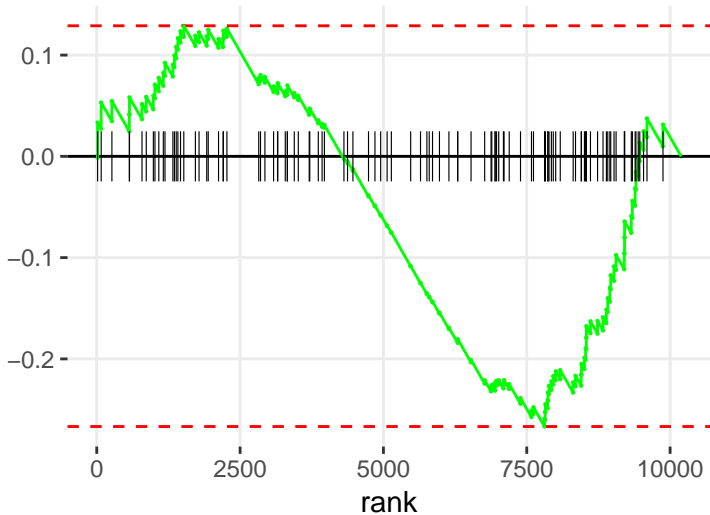


# PHOSPHOLIPASES

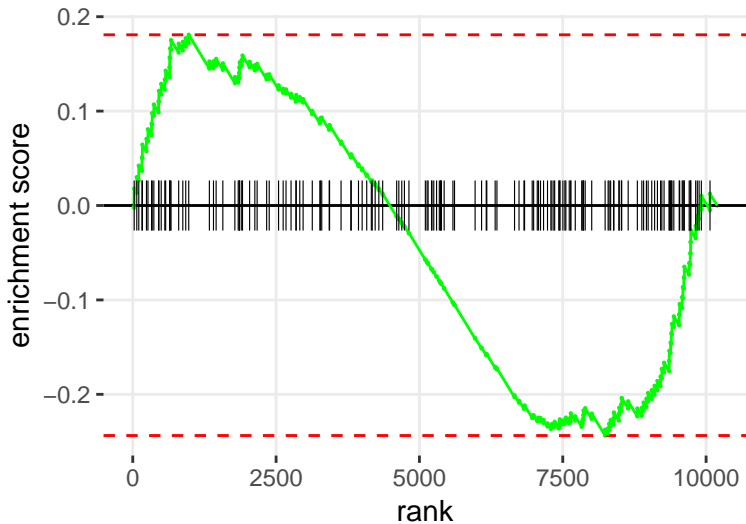


### 3-PHOSPHOINOSITIDE BIOSYNTHESIS

enrichment score



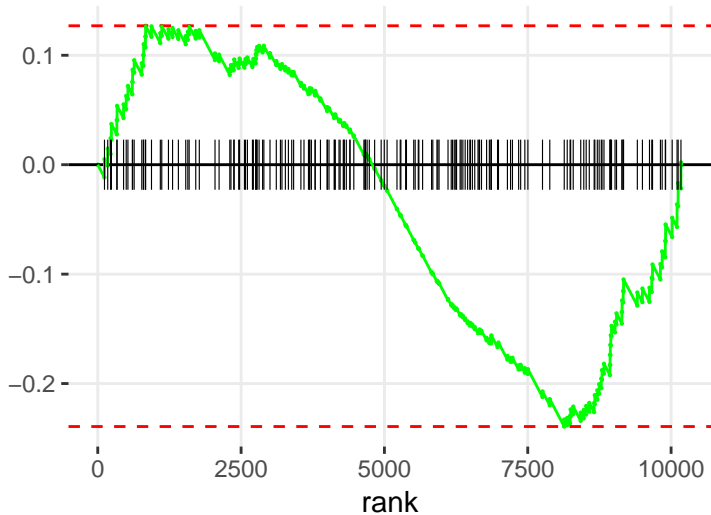
# HEME BIOSYNTHESIS FROM UROPORPHYRINOGEN-III I





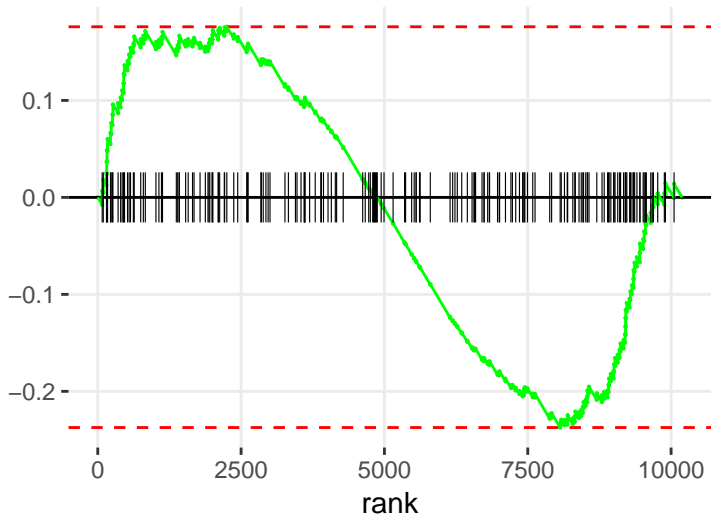
# CHOLINE DEGRADATION I

enrichment score



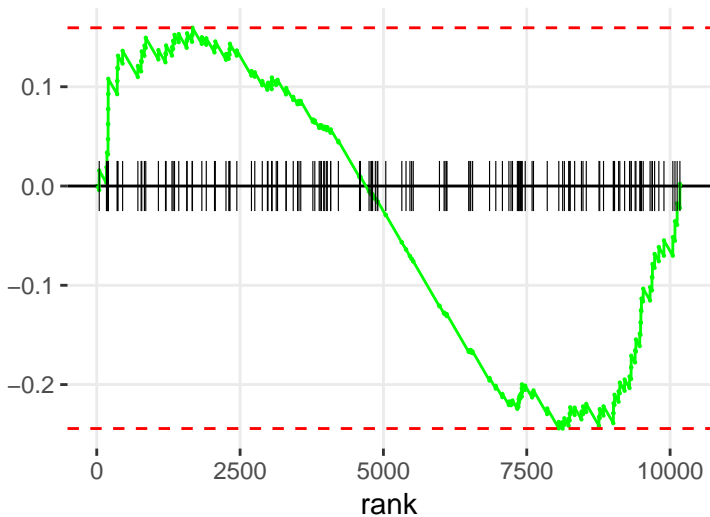
# 4-HYDROXYPROLINE DEGRADATION I

enrichment score



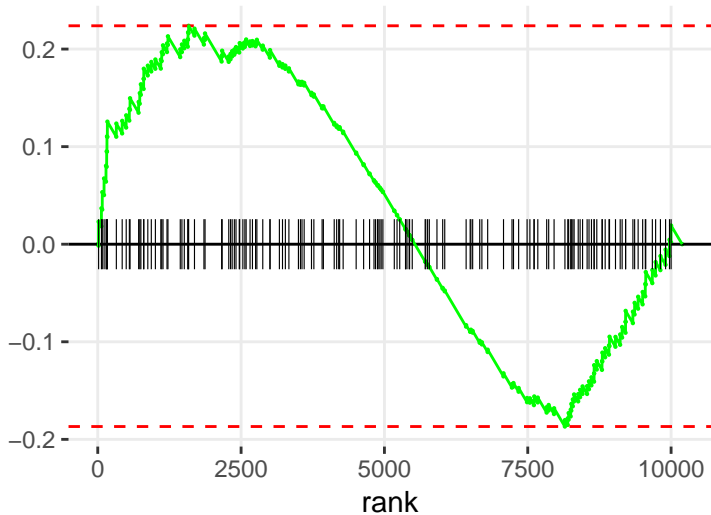
# NICOTINE DEGRADATION III

enrichment score

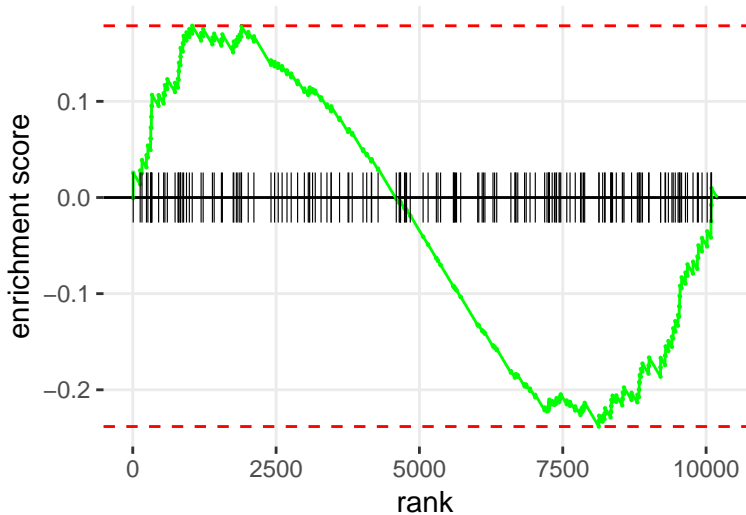


# PYRIMIDINE RIBONUCLEOTIDES INTERCONVERSION

enrichment score

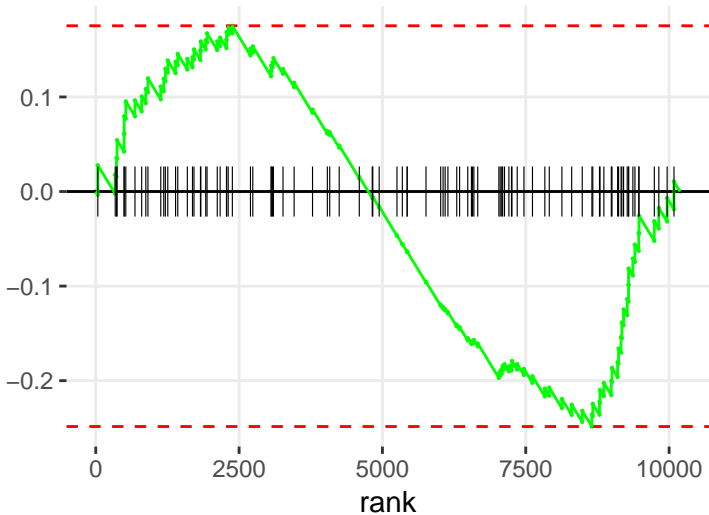


# SEROTONIN AND MELATONIN BIOSYNTHESIS

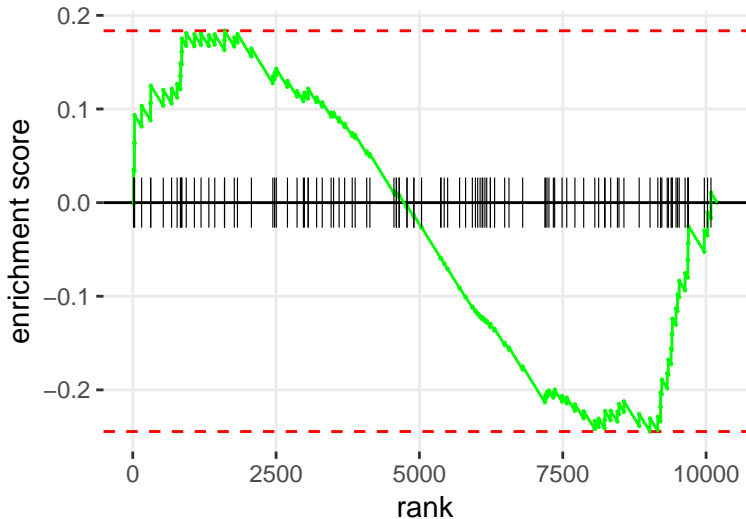


# ANANDAMIDE DEGRADATION

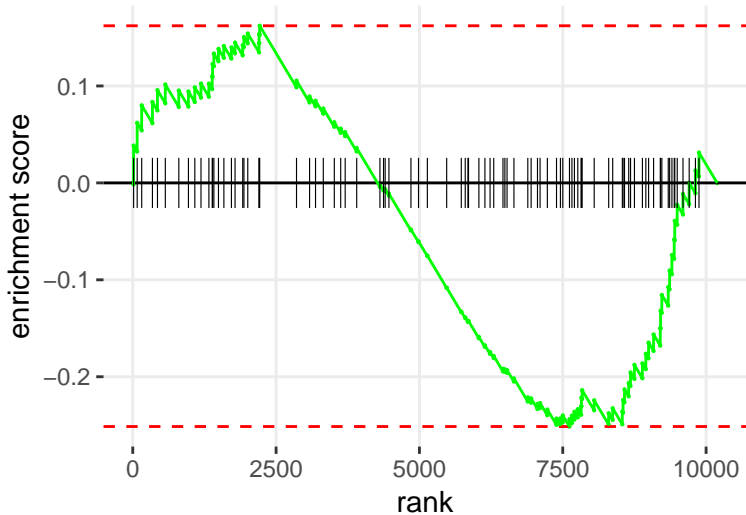
enrichment score



# THYROID HORMONE METABOLISM II (VIA CONJUGATION AND/OR DEGRADATION)



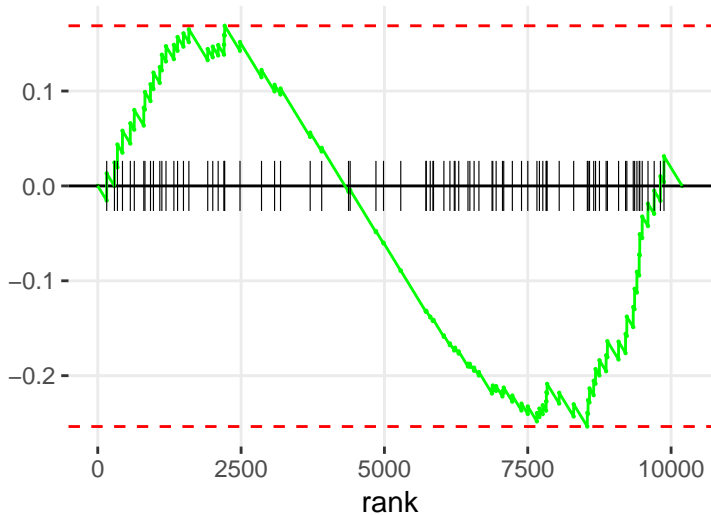
D-IMYO-INOSITOL (1,4,5)-TRISPHOSPHATE BIOSYNTHESIS





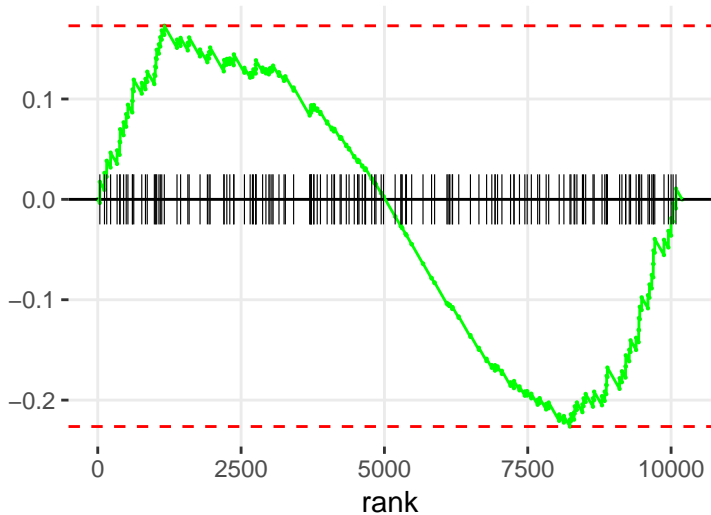
D-<IMYO</I-INOSITOL-5-PHOSPHATE METABOLISM

enrichment score

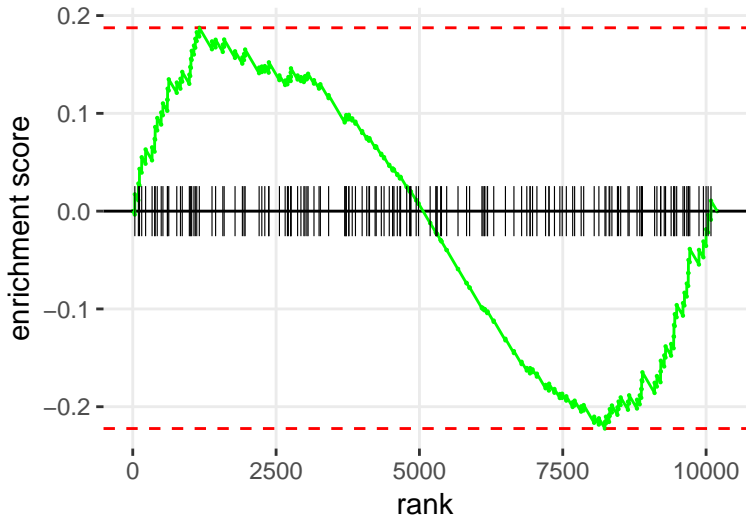


# HISTIDINE DEGRADATION VI

enrichment score

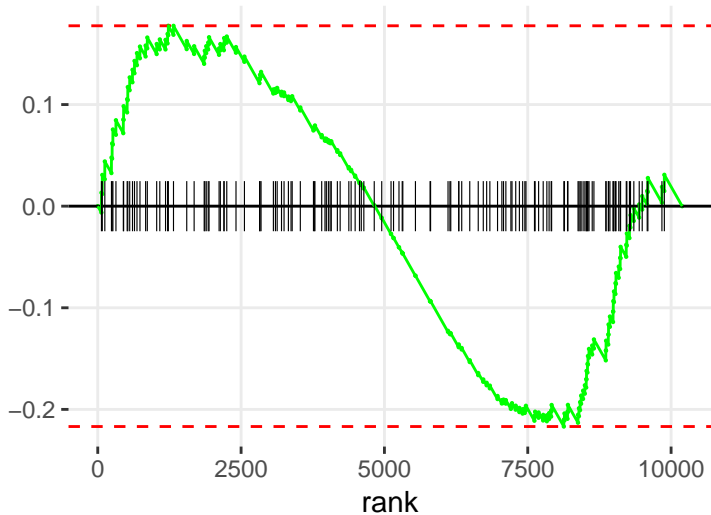


# HISTIDINE DEGRADATION III



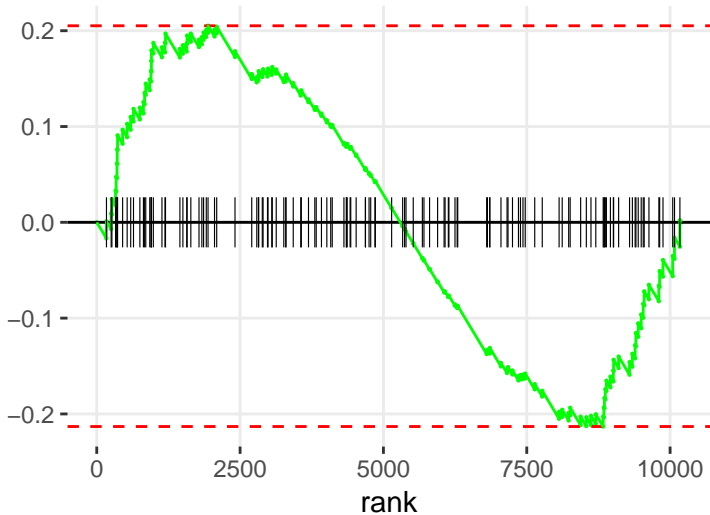
# EUMELANIN BIOSYNTHESIS

enrichment score

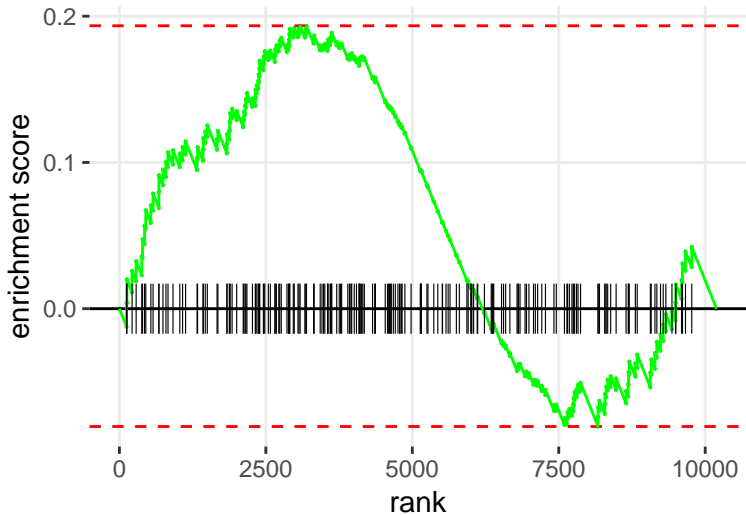


# GLUCOCORTICOID BIOSYNTHESIS

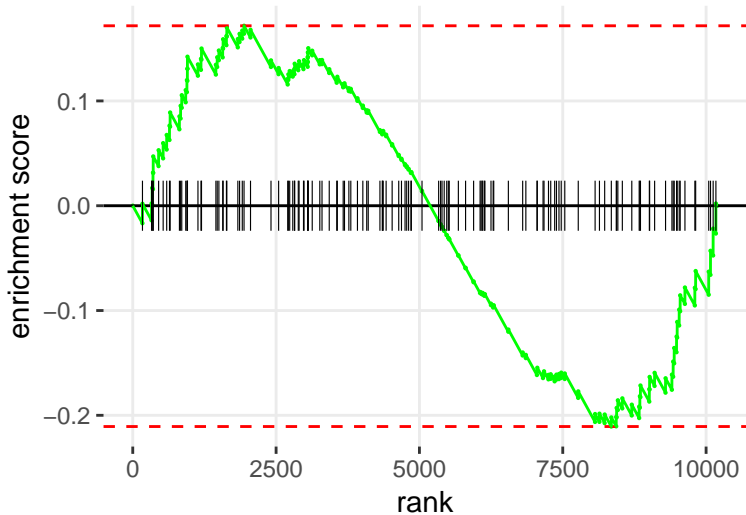
enrichment score



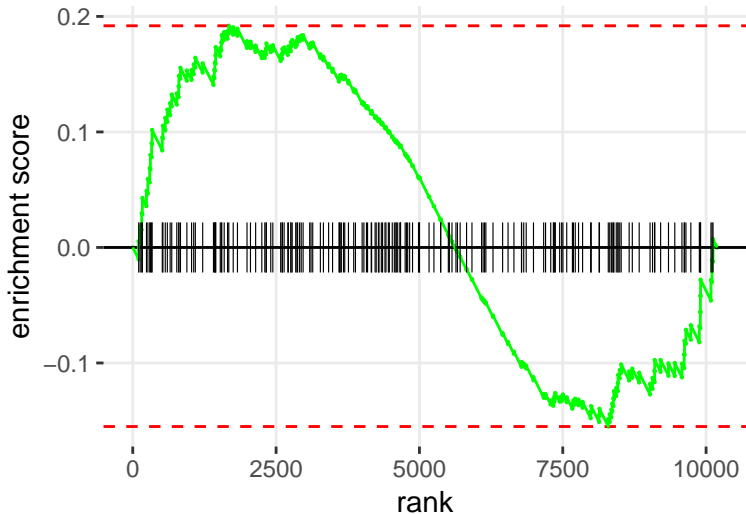
# TYROSINE BIOSYNTHESIS IV



# MINERALOCORTICOID BIOSYNTHESIS

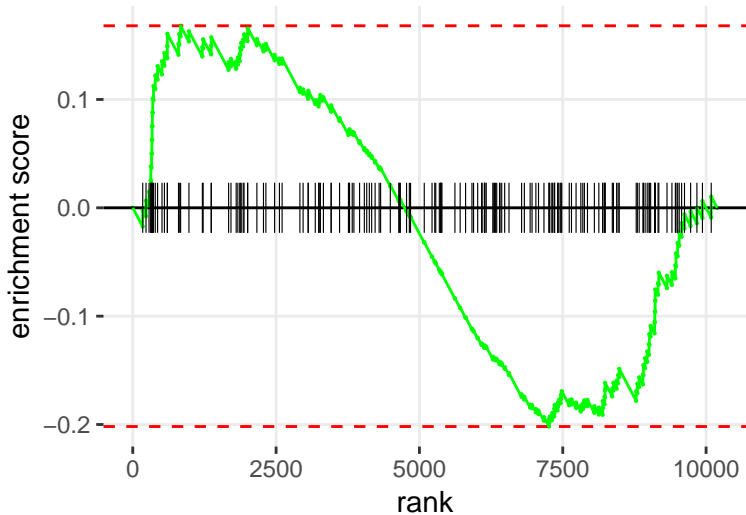


# FATTY ACID BIOSYNTHESIS INITIATION II

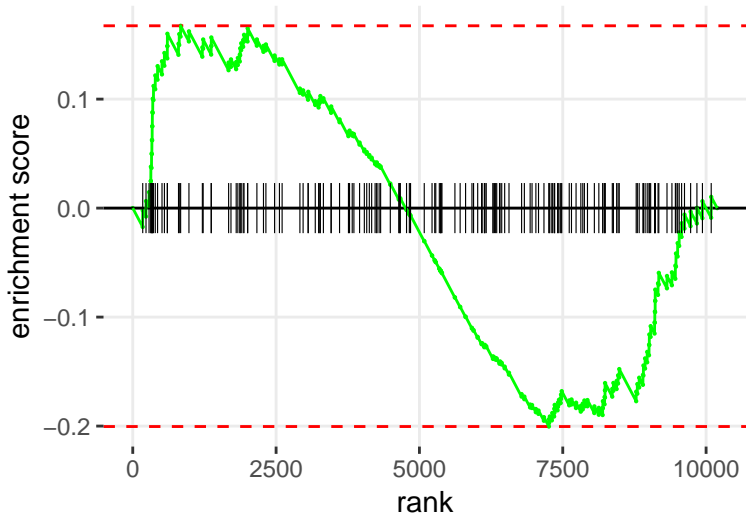




# 4-HYDROXYPHENYLPYRUVATE BIOSYNTHESIS

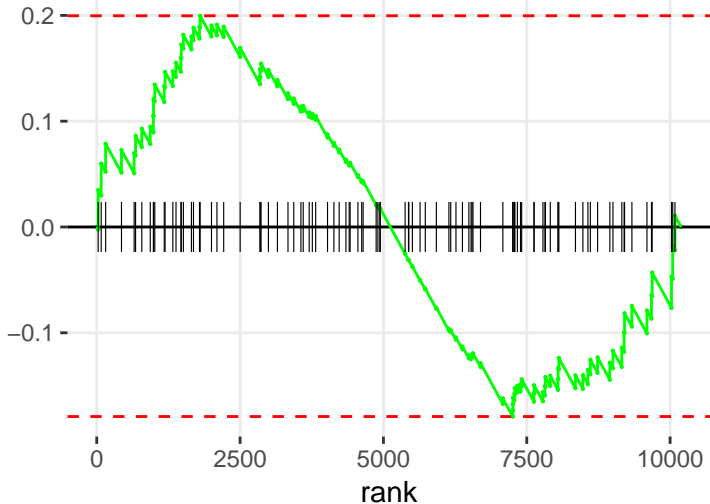


# 4-HYDROXYBENZOATE BIOSYNTHESIS



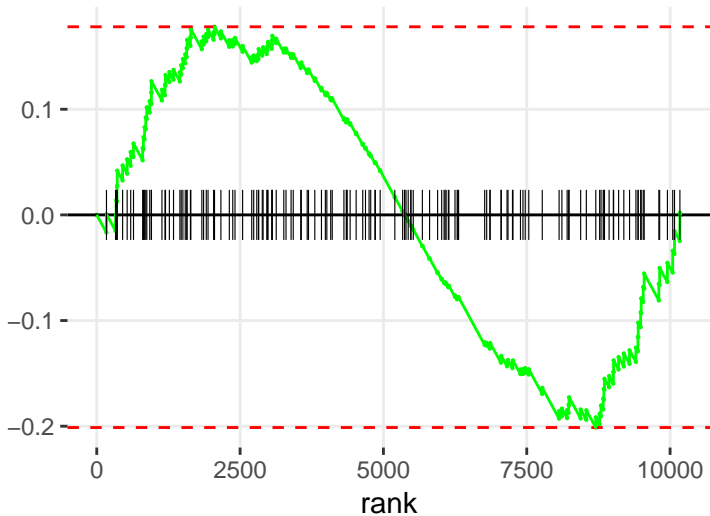
# CHONDROITIN SULFATE BIOSYNTHESIS (LATE STAGES)

enrichment score

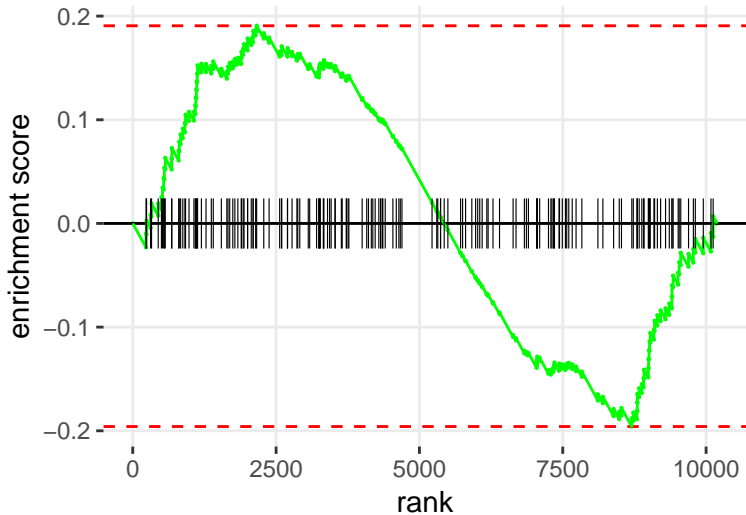


# PREGNENOLONE BIOSYNTHESIS

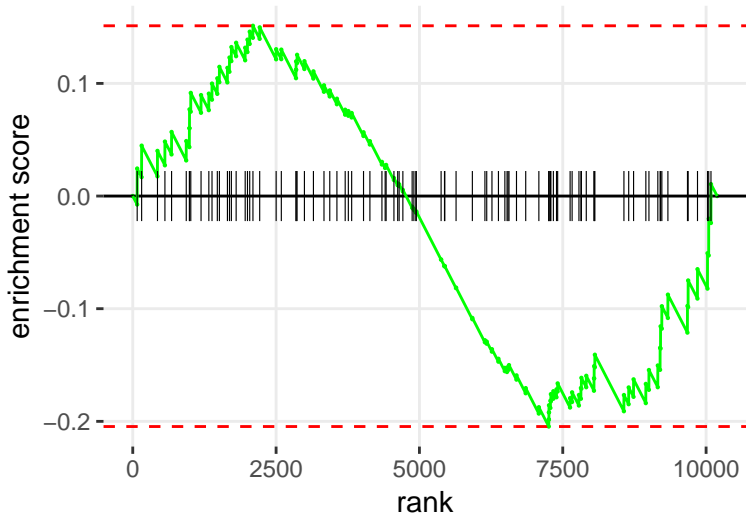
enrichment score



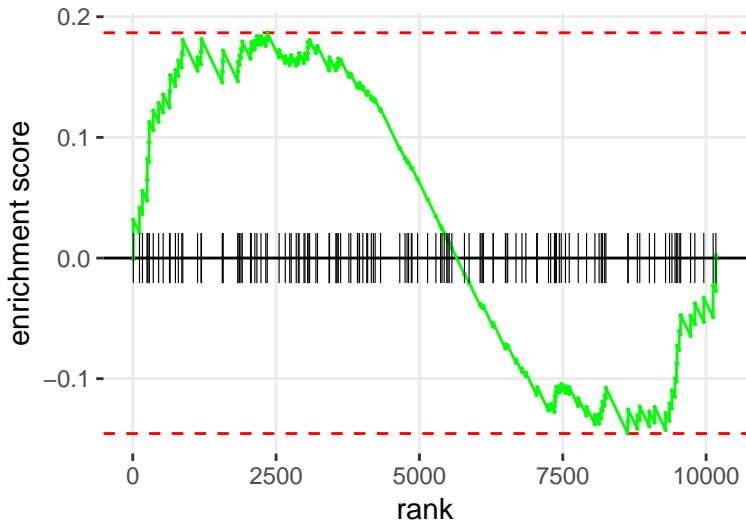
# PROTEIN CITRULLINATION



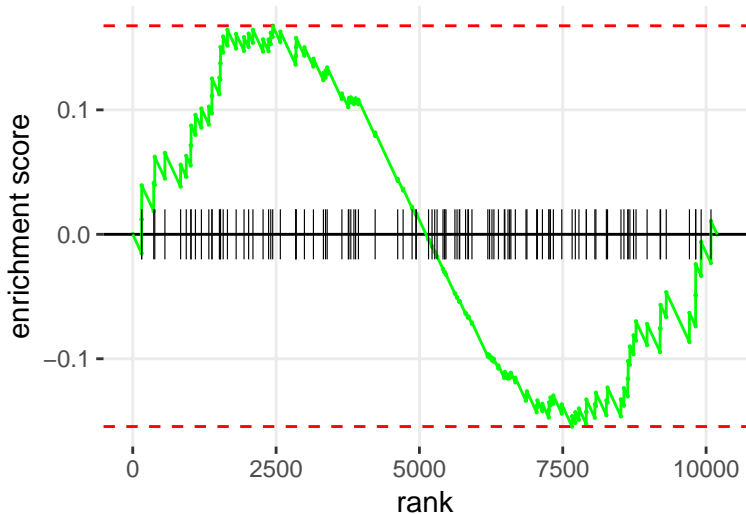
# DERMATAN SULFATE BIOSYNTHESIS (LATE STAGES)



# ESTROGEN BIOSYNTHESIS



# CHONDROITIN AND DERMATAN BIOSYNTHESIS





# THREONINE DEGRADATION II

