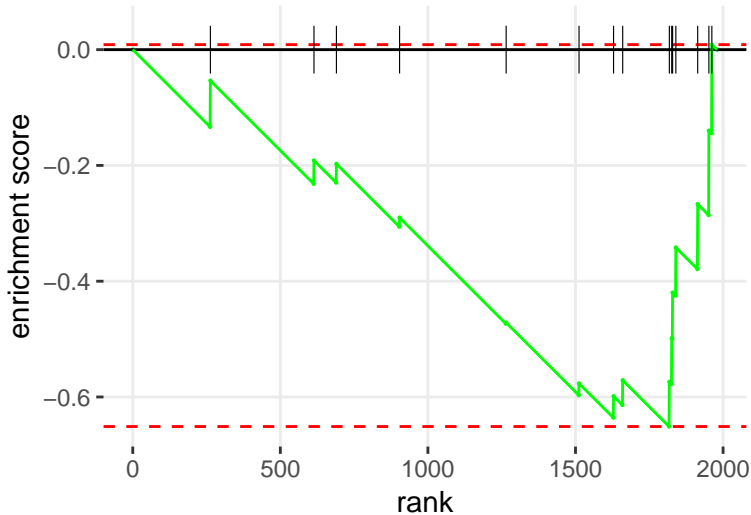
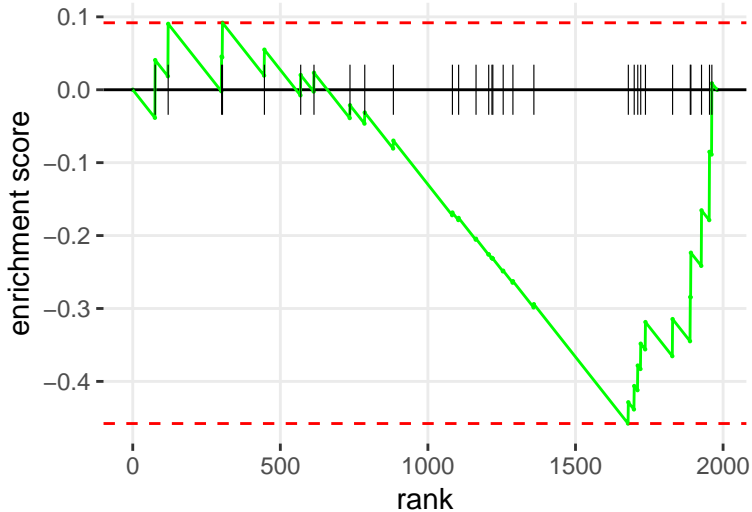


# ANDROGEN AND ESTROGEN BIOSYNTHESIS AND METABOLISM



# PENTOSE PHOSPHATE PATHWAY



# TRIHYDROXYCOPROSTANOYL-COA BETA-OXIDATION

enrichment score

0.0  
-0.1  
-0.2  
-0.3  
-0.4

0

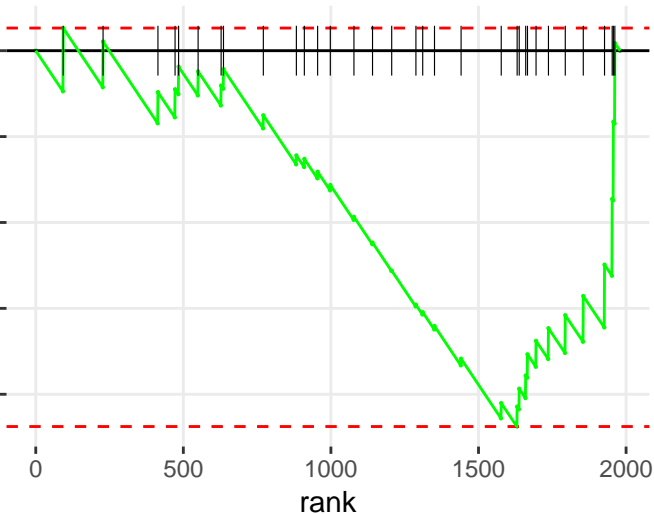
500

1000

1500

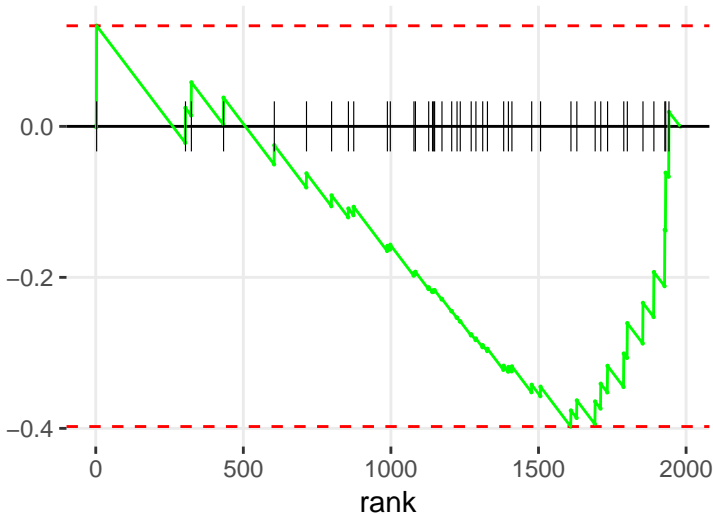
2000

rank



# NUCLEOTIDE SUGAR METABOLISM

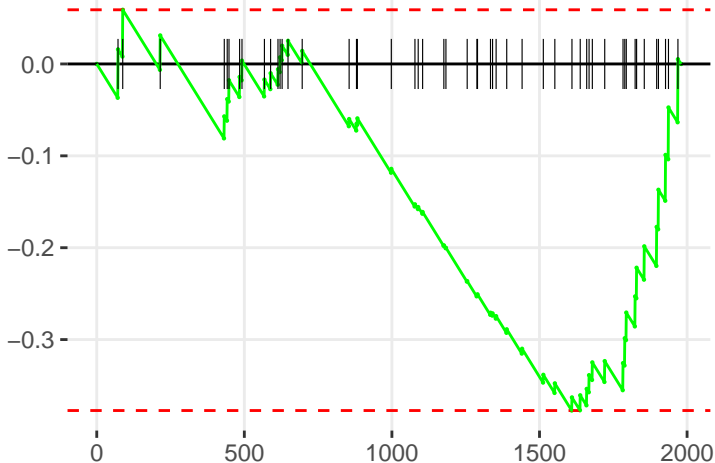
enrichment score



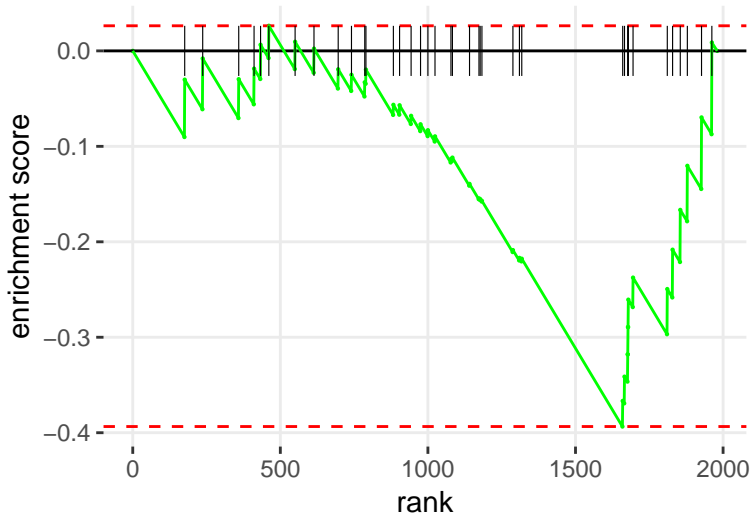
# ROS DETOXIFICATION

enrichment score

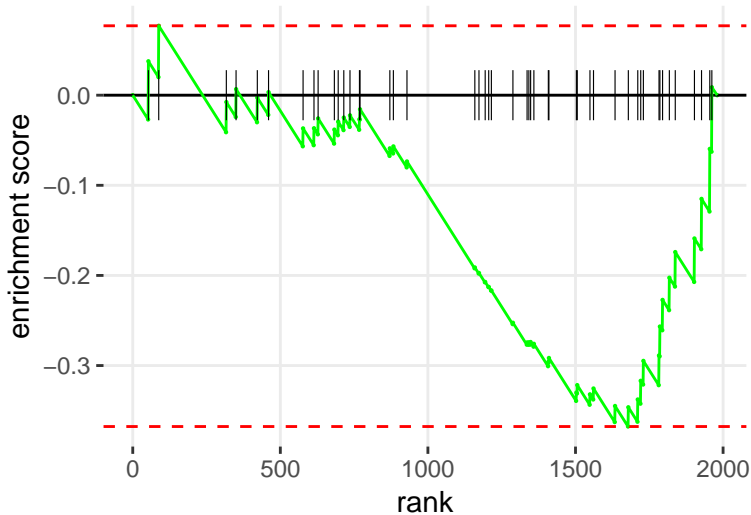
rank



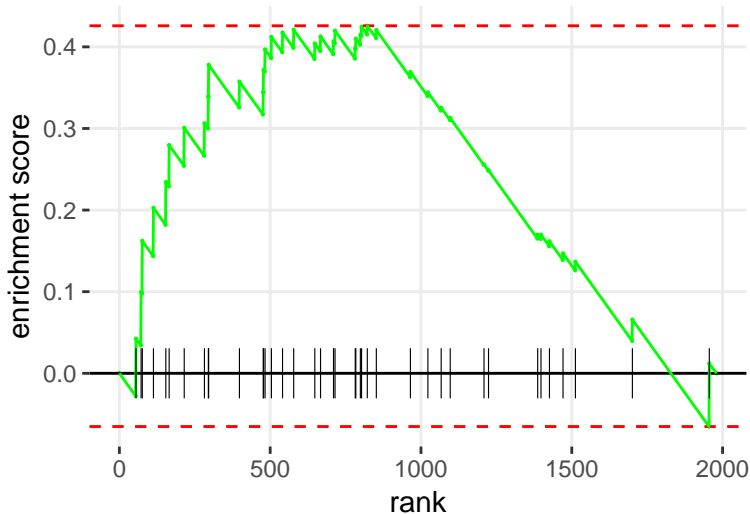
# PHYTANIC ACID PEROXISOMAL OXIDATION



# STARCH AND SUCROSE METABOLISM

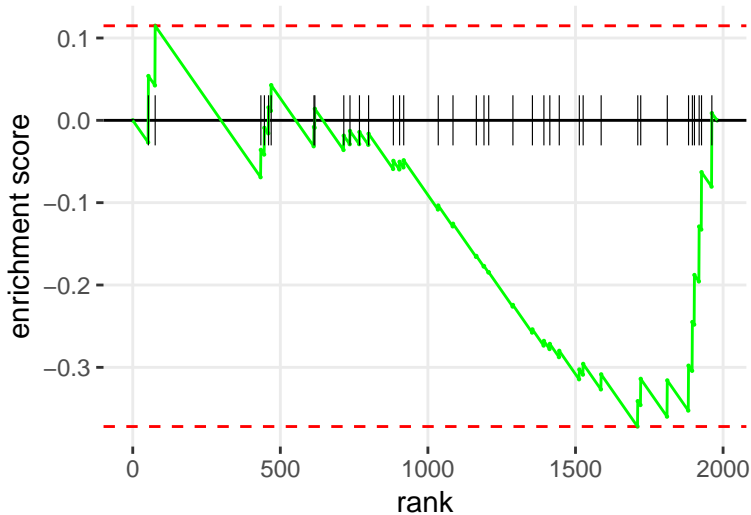


## UREA CYCLE/AMINO GROUP METABOLISM

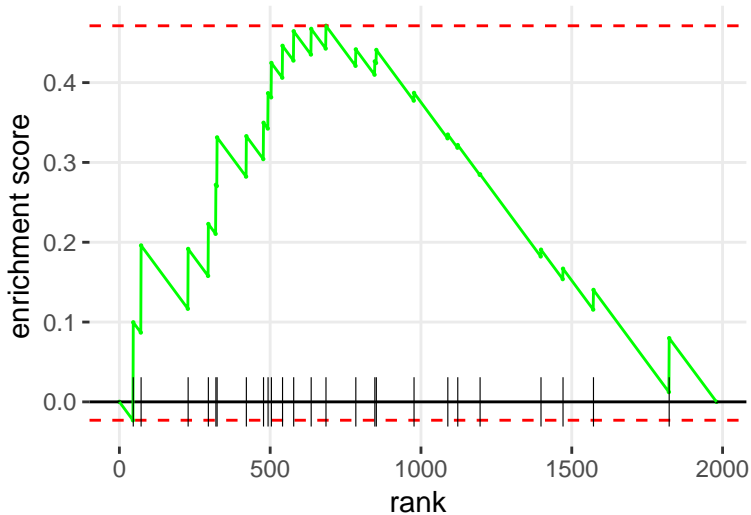




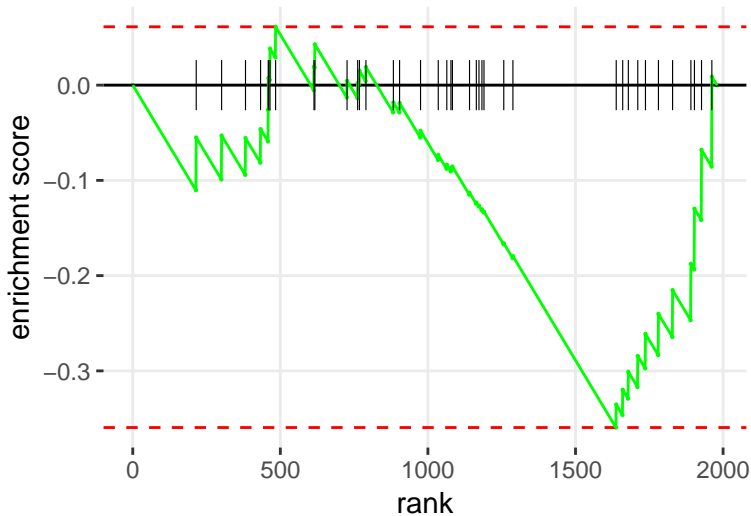
# ARGININE AND PROLINE METABOLISM



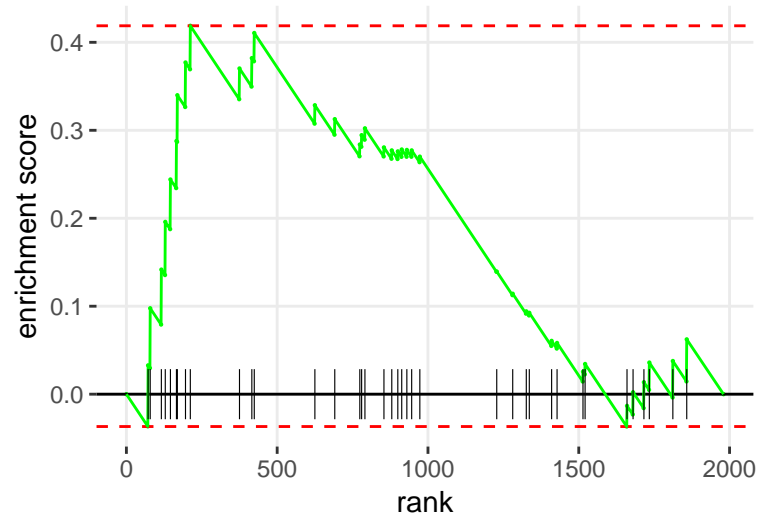
# PYRIMIDINE METABOLISM



# VALINE, LEUCINE AND ISOLEUCINE DEGRADATION

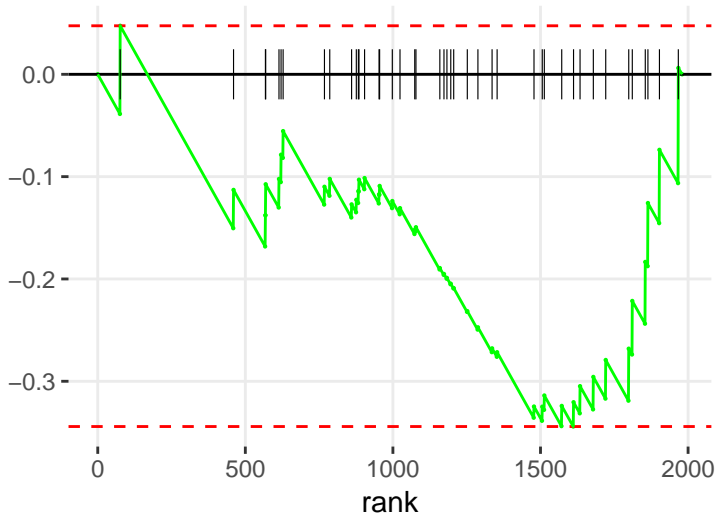


# PROTEOGLYCAN BIOSYNTHESIS



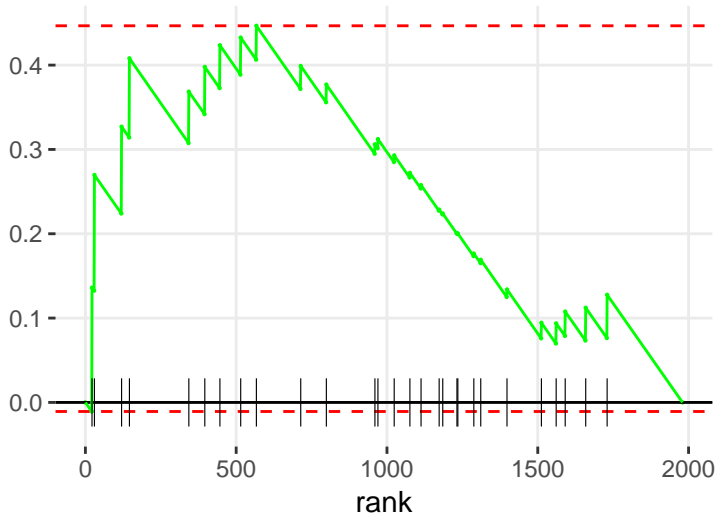
# PYRUVATE METABOLISM

enrichment score

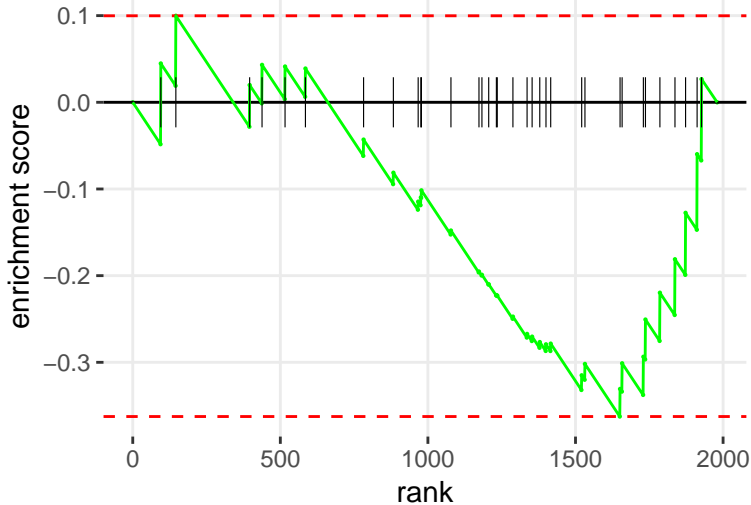


# GLYCOSPHINGOLIPID BIOSYNTHESIS - NEOLACTOSERIES

enrichment score



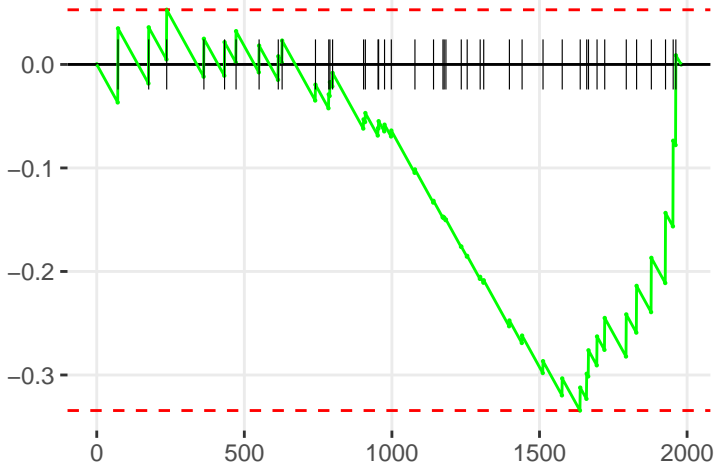
# VITAMIN B2 (RIBOFLAVIN) METABOLISM



# 3-OXO-10R-OCTADECATRIENOATE BETA-OXIDATION

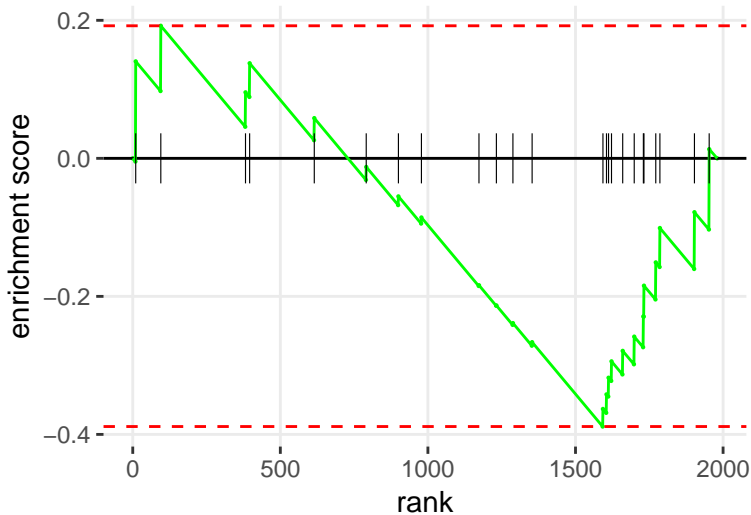
enrichment score

rank

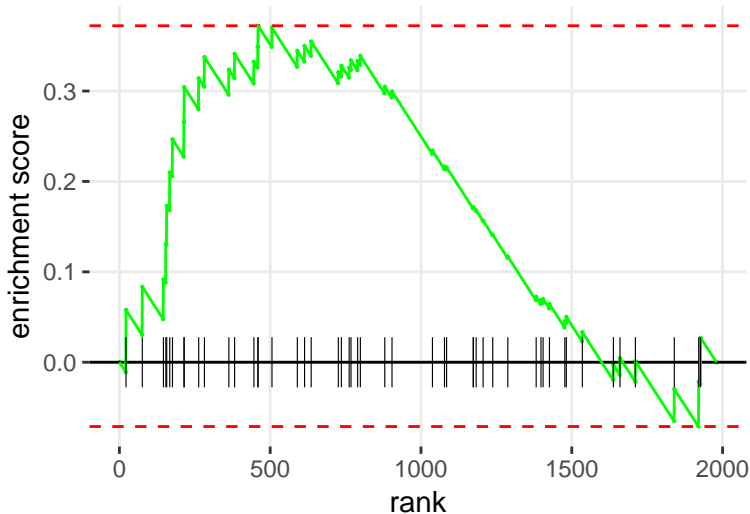




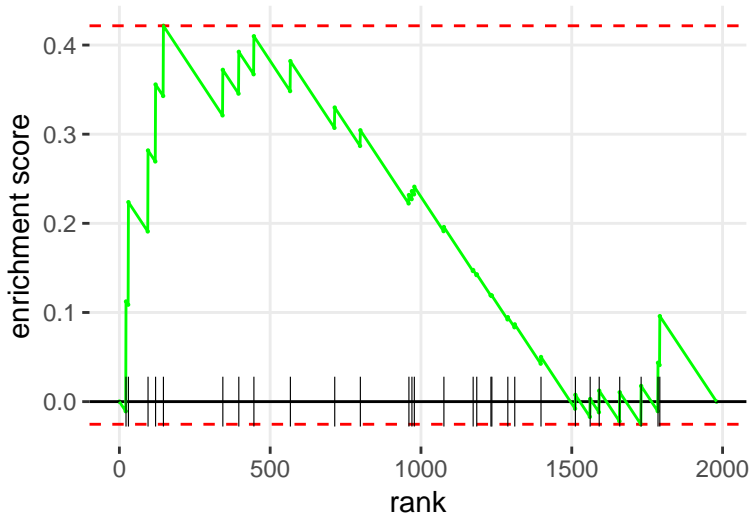
# C5-BRANCHED DIBASIC ACID METABOLISM



# PROSTAGLANDIN FORMATION FROM ARACHIDONATE



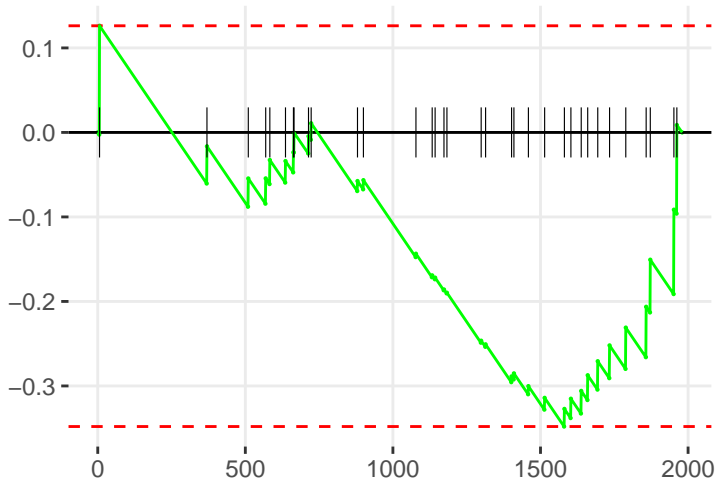
# KERATAN SULFATE BIOSYNTHESIS



# GLYCOSAMINOGLYCAN DEGRADATION

enrichment score

rank



# BILE ACID BIOSYNTHESIS

enrichment score

0.4

0.2

0.0

0

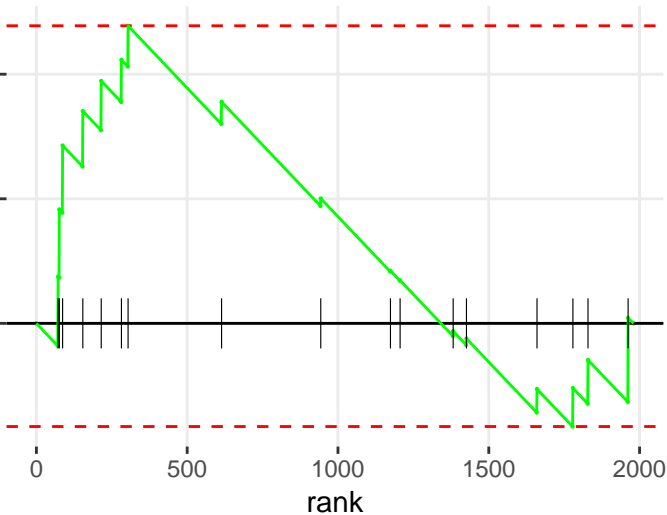
500

1000

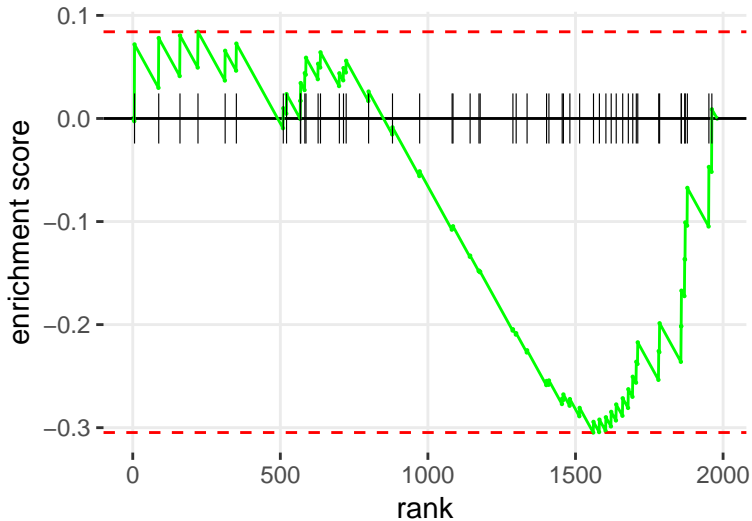
1500

2000

rank



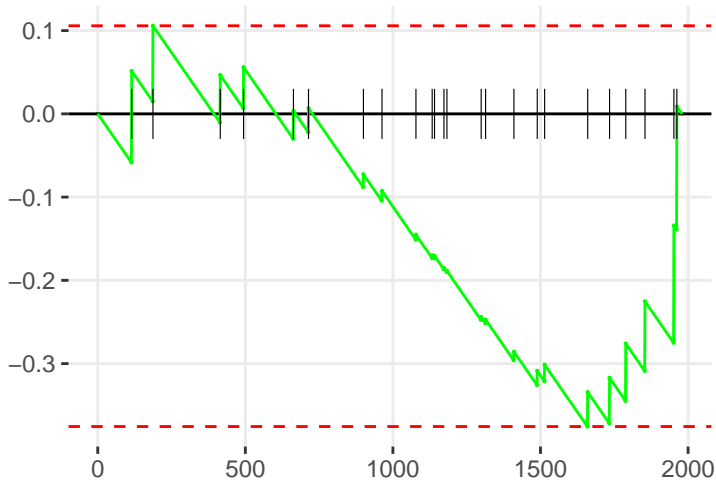
# KERATAN SULFATE DEGRADATION



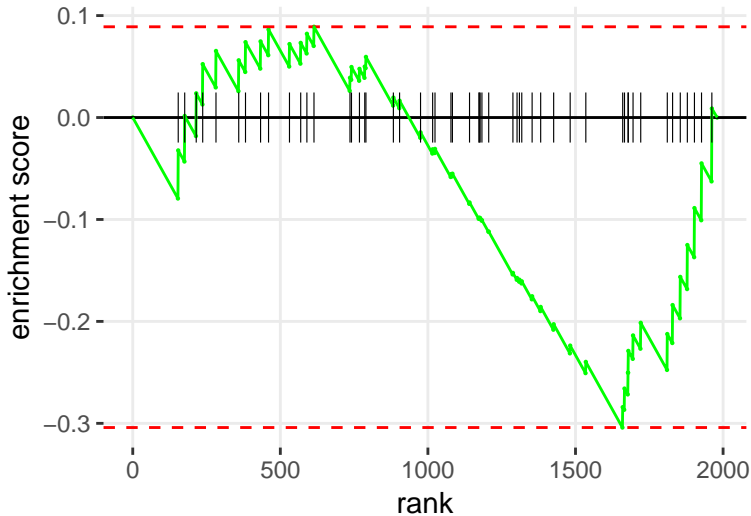
# HEPARAN SULFATE DEGRADATION

enrichment score

rank



# OMEGA-3 FATTY ACID METABOLISM

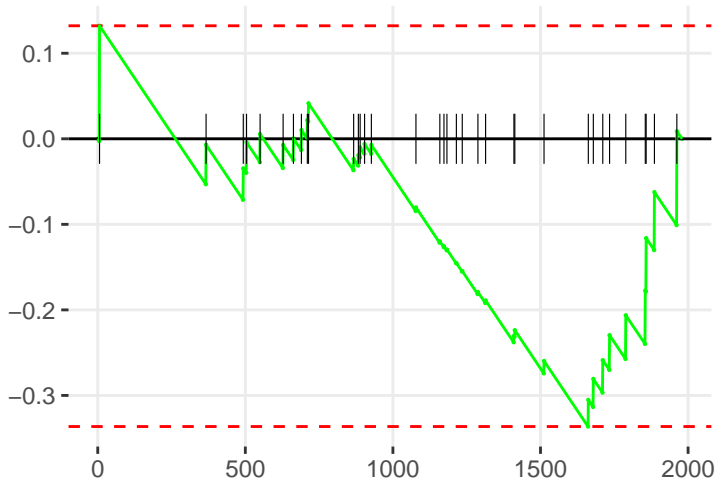




# DRUG METABOLISM – OTHER ENZYMES

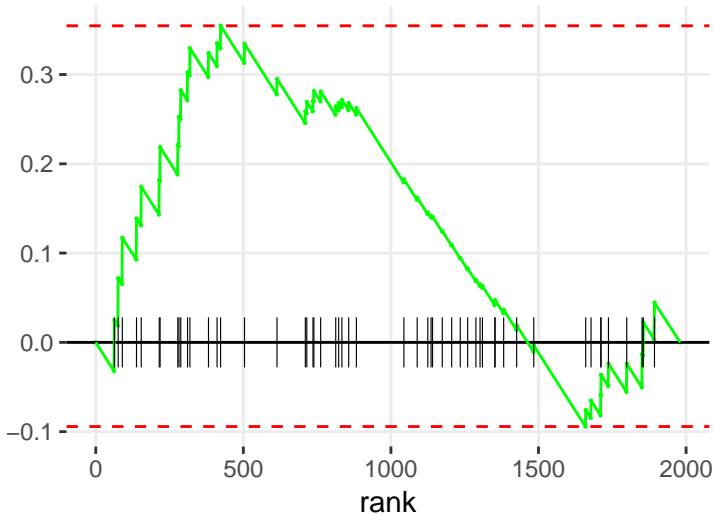
enrichment score

rank

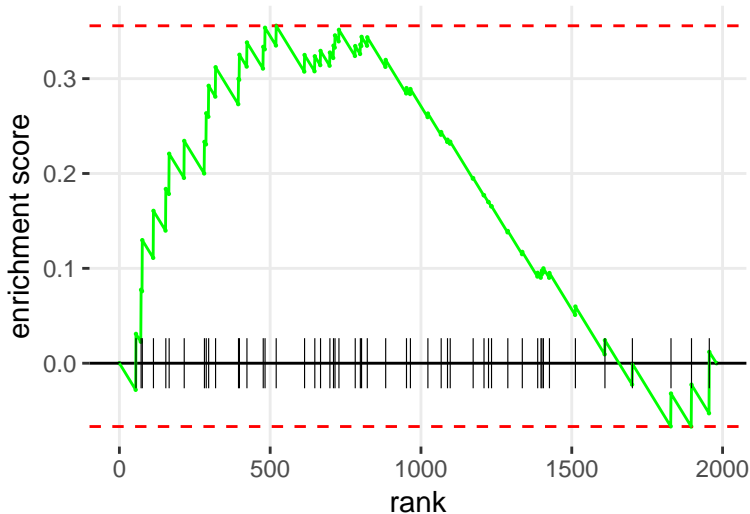


# SELENOAMINO ACID METABOLISM

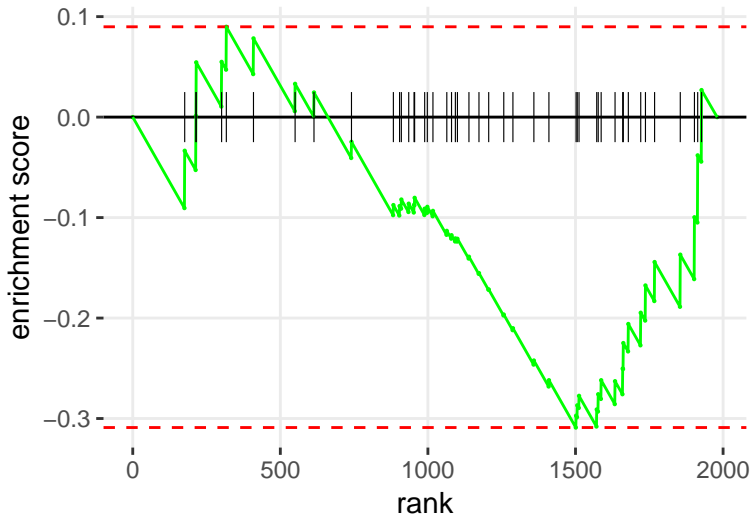
enrichment score



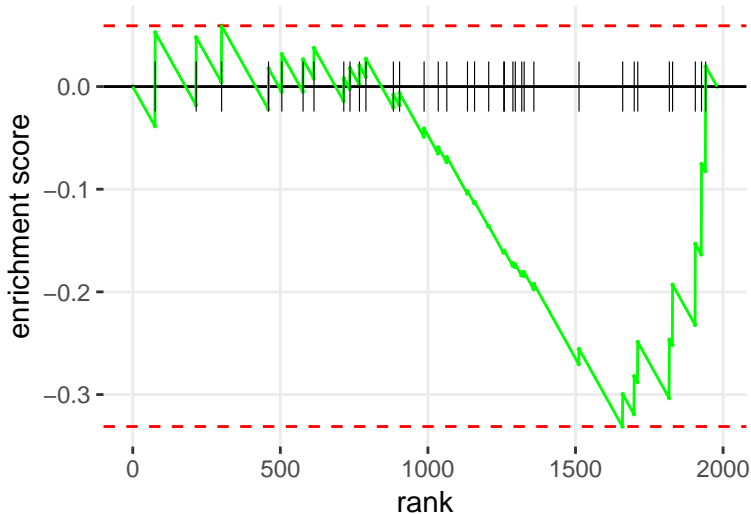
# LYSINE METABOLISM



# ALANINE AND ASPARTATE METABOLISM

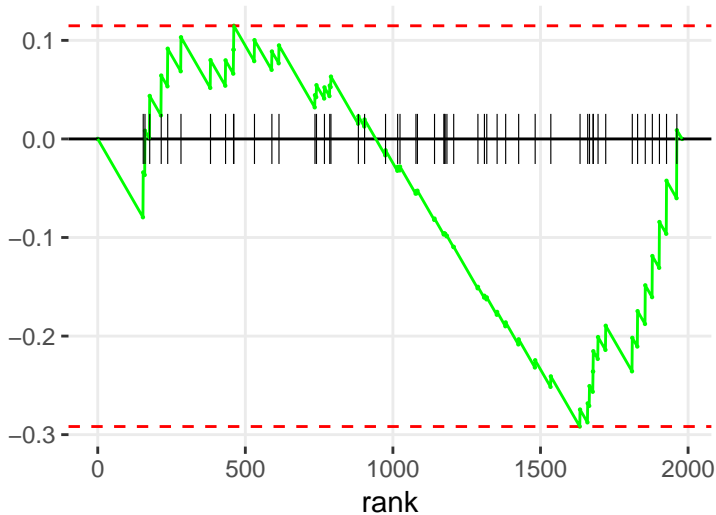


# GLYCINE, SERINE, ALANINE AND THREONINE METABOLISM



# OMEGA-6 FATTY ACID METABOLISM

enrichment score



# XENOBIOTICS METABOLISM

enrichment score

0.4  
0.3  
0.2  
0.1  
0.0

0

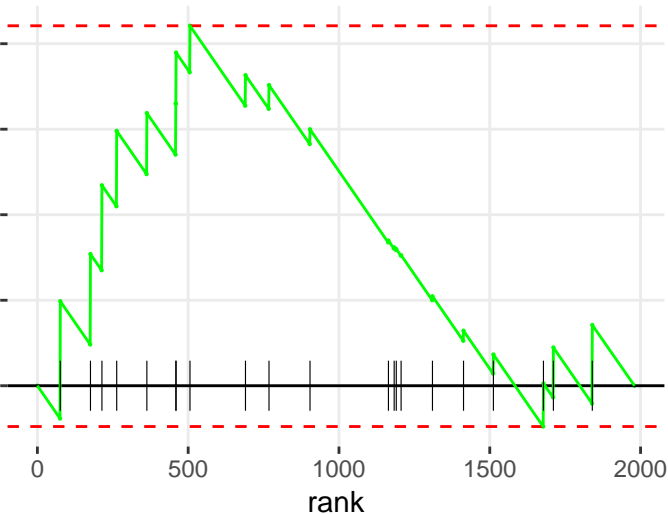
500

1000

1500

2000

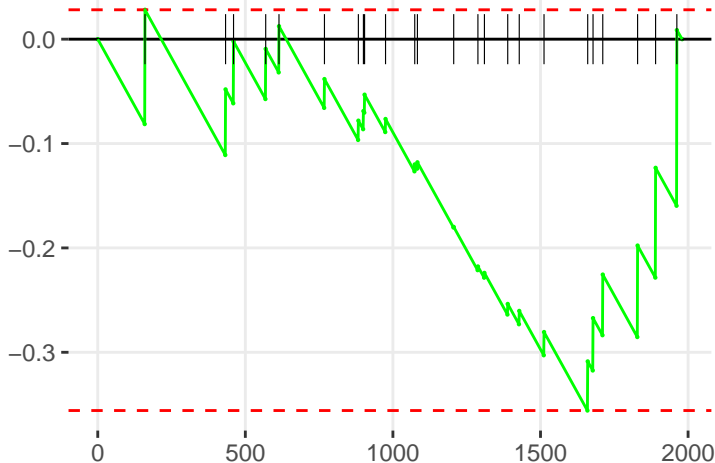
rank



# FATTY ACID METABOLISM

enrichment score

rank





# N-GLYCAN BIOSYNTHESIS

enrichment score

0.0

-0.1

-0.2

-0.3

-0.4

0

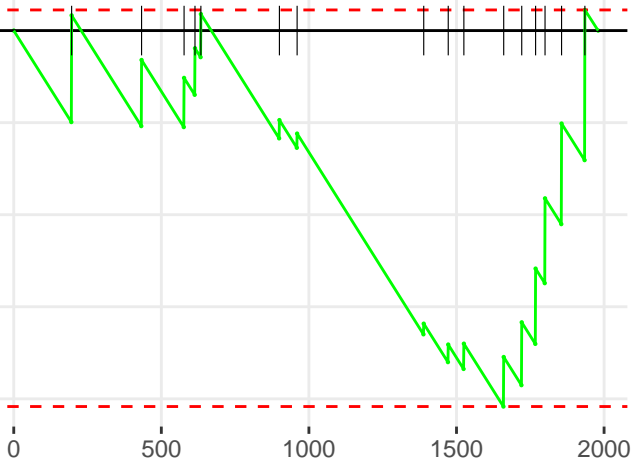
500

1000

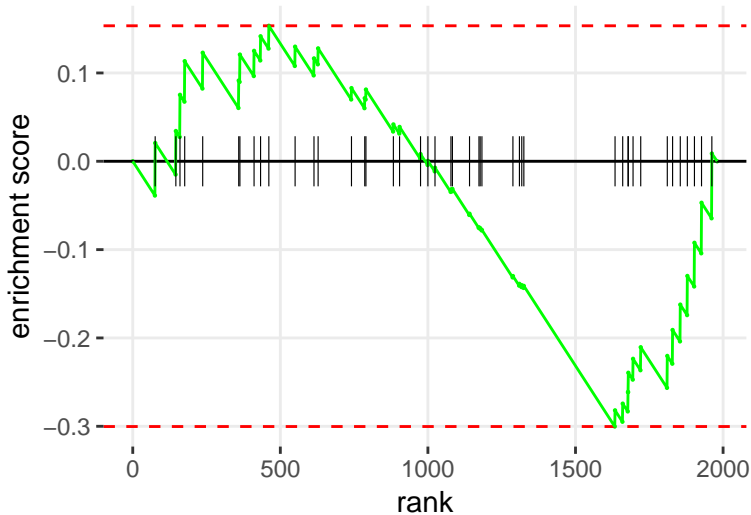
1500

2000

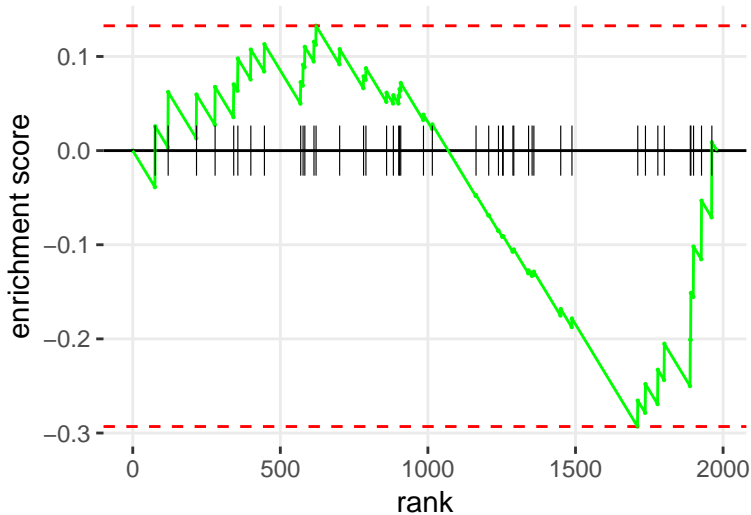
rank



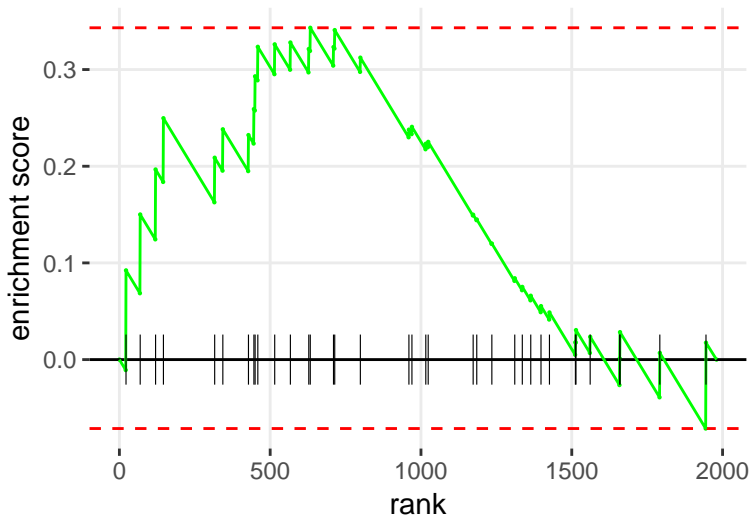
# DI-UNSATURATED FATTY ACID BETA-OXIDATION



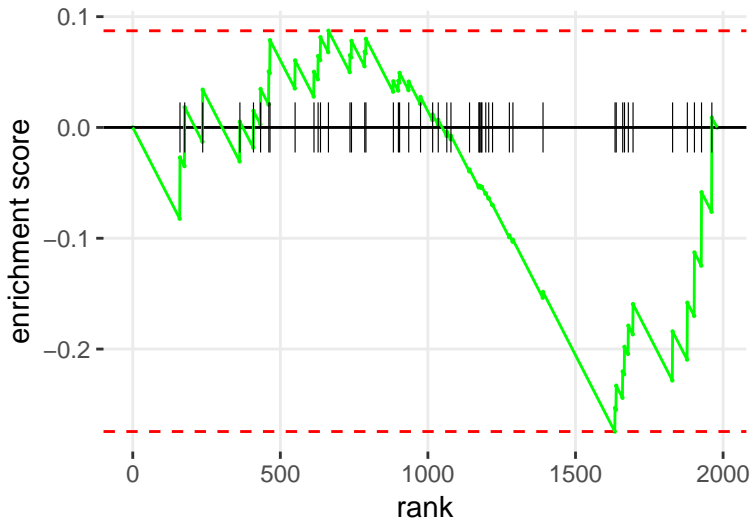
# FRUCTOSE AND MANNOSE METABOLISM



# GLYCOSPHINGOLIPID BIOSYNTHESIS - LACTOSERIES

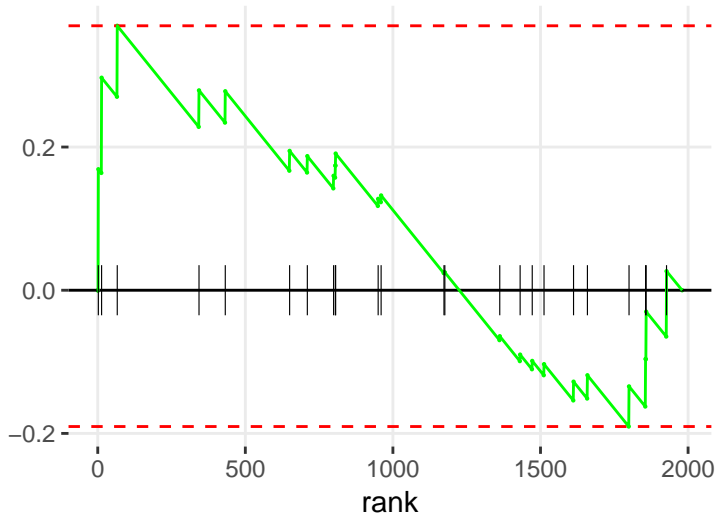


# SATURATED FATTY ACIDS BETA-OXIDATION

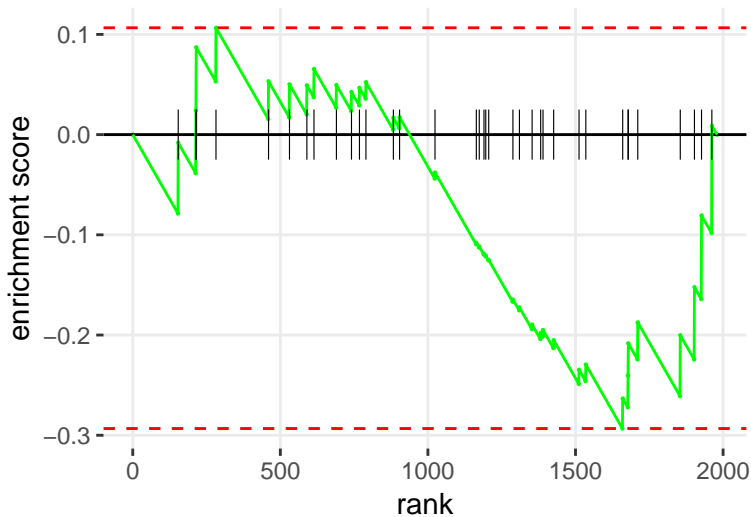


# O-GLYCAN BIOSYNTHESIS

enrichment score

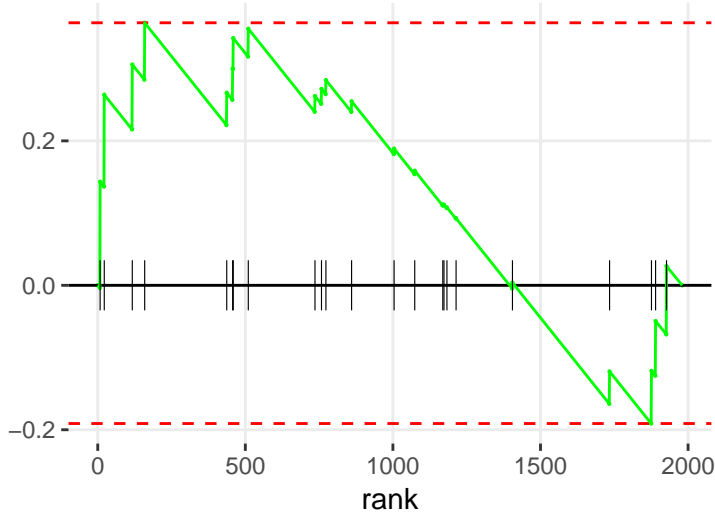


# VITAMIN A (RETINOL) METABOLISM



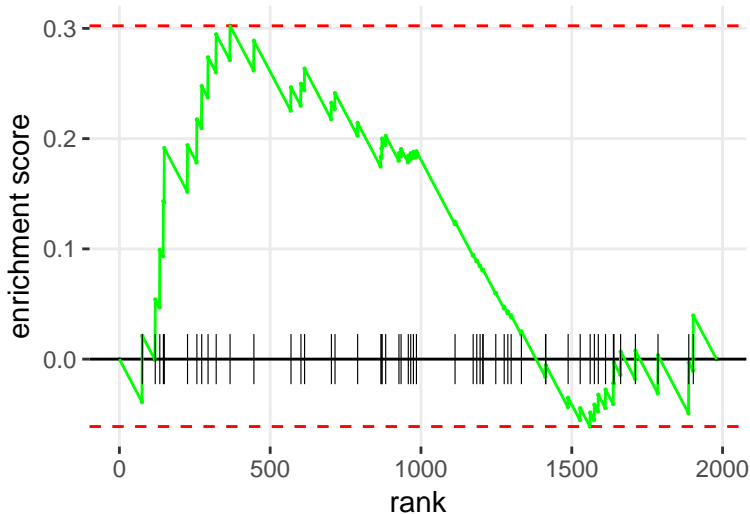
# GLYCEROPHOSPHOLIPID METABOLISM

enrichment score

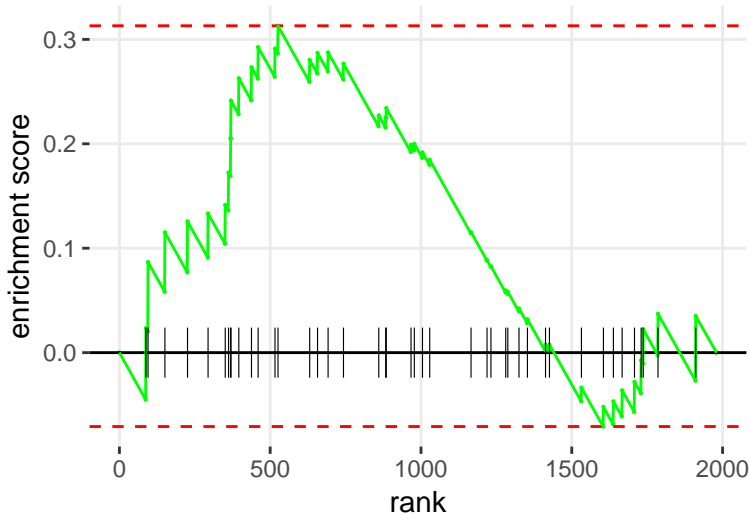




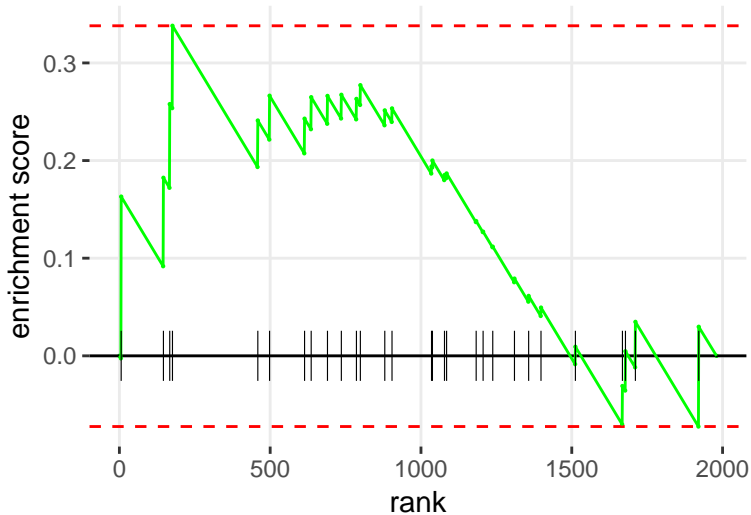
# CAFFEINE METABOLISM



# 1- AND 2-METHYLNAPHTHALENE DEGRADATION

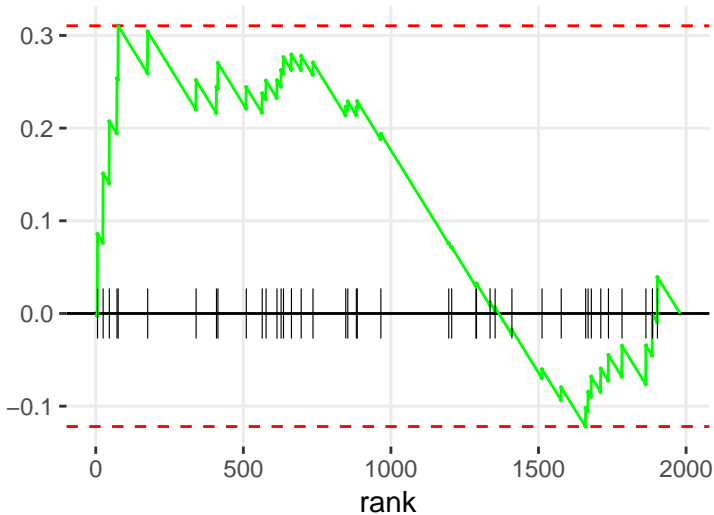


# LINOLEATE METABOLISM

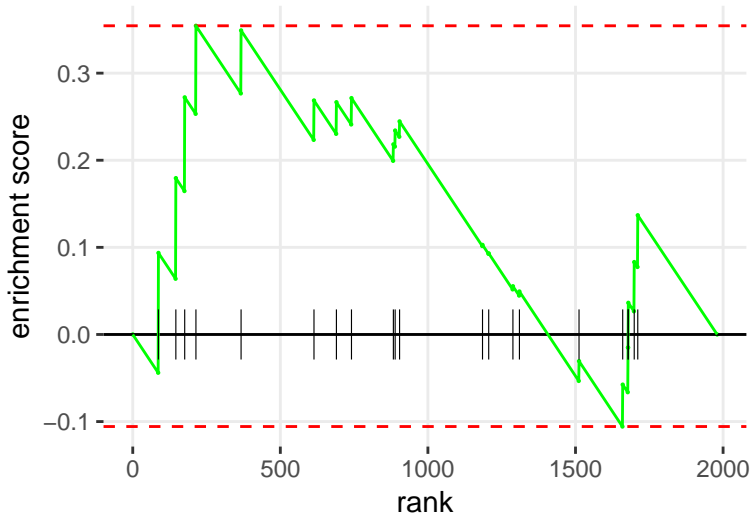


# GLUTATHIONE METABOLISM

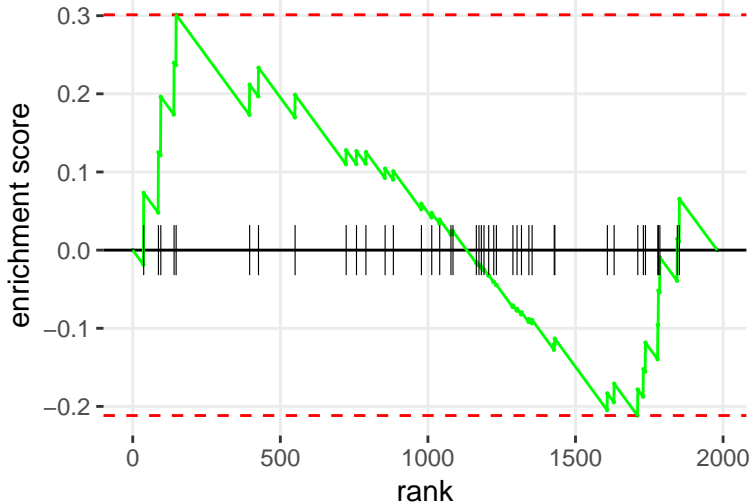
enrichment score



# C21-STEROID HORMONE BIOSYNTHESIS AND METABOLISM

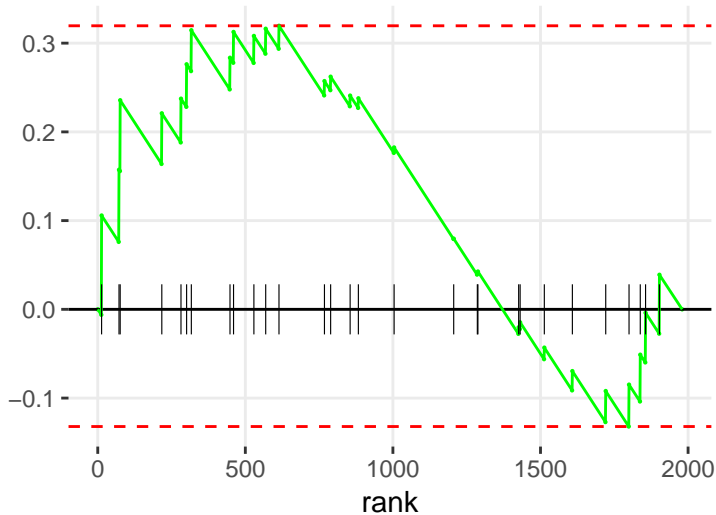


# GLYCOSYLPHOSPHATIDYLINOSITOL(GPI)-ANCHOR BIOSYNTHESIS



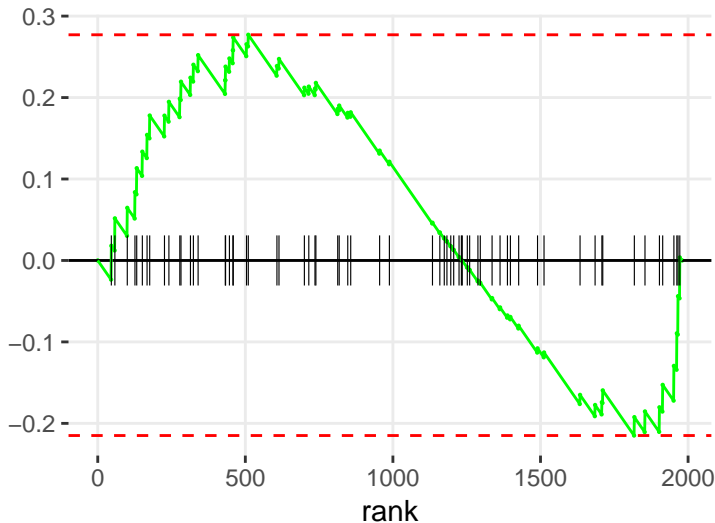
# VITAMIN D3 (CHOLECALCIFEROL) METABOLISM

enrichment score



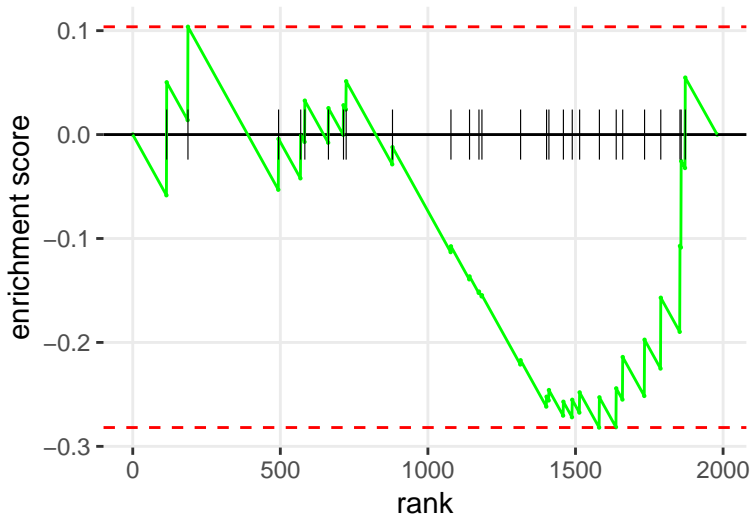
# VITAMIN K METABOLISM

enrichment score



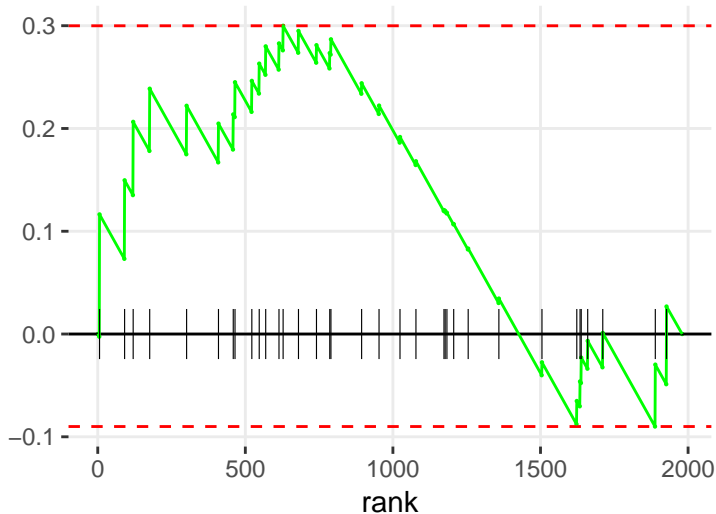


# CHONDROITIN SULFATE DEGRADATION



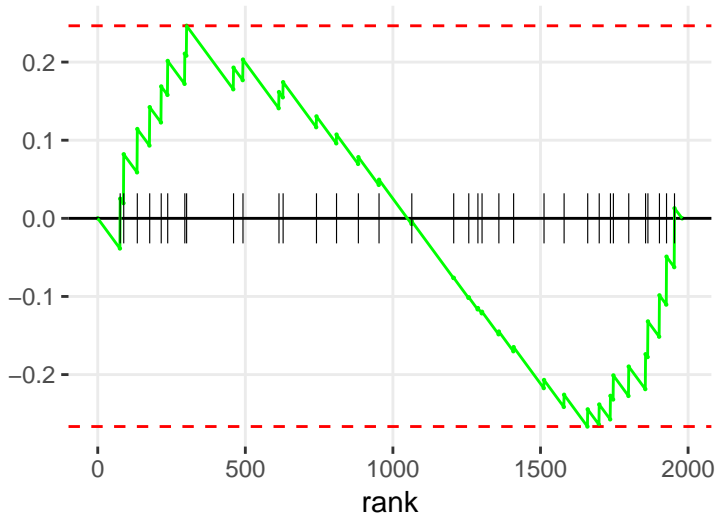
# GLYOXYLATE AND DICARBOXYLATE METABOLISM

enrichment score



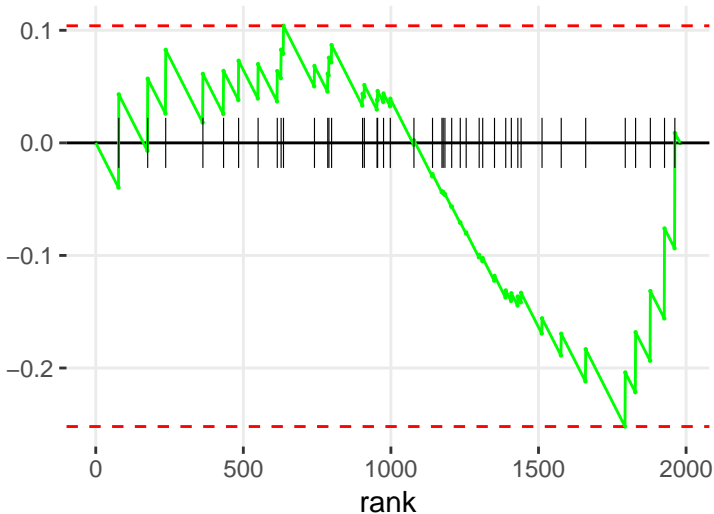
# LIPOATE METABOLISM

enrichment score

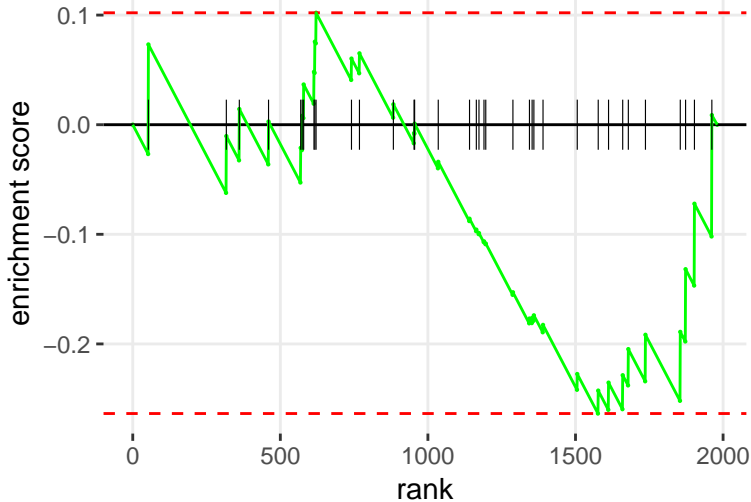


# DIMETHYL-BRANCHED-CHAIN FATTY ACID MITOCHONDRIAL BETA-OXIDATION

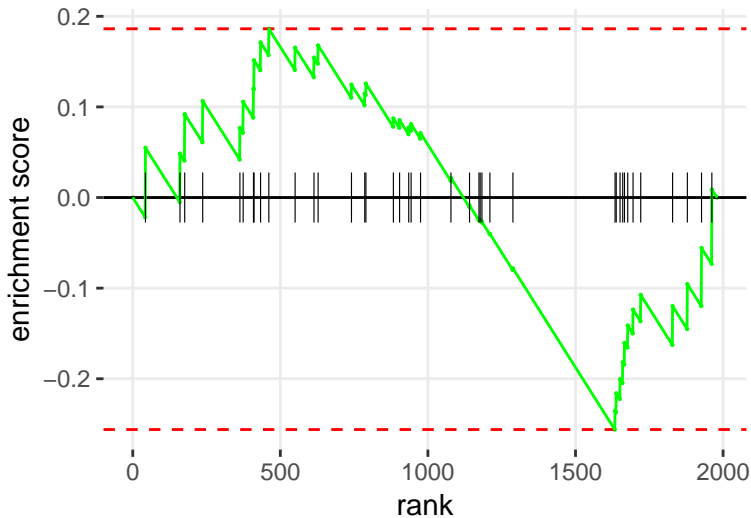
enrichment score



# LIMONENE AND PINENE DEGRADATION

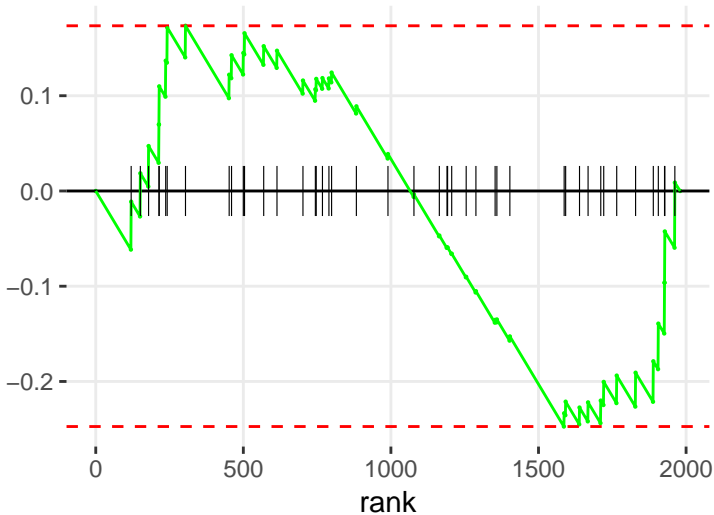


# VITAMIN E METABOLISM

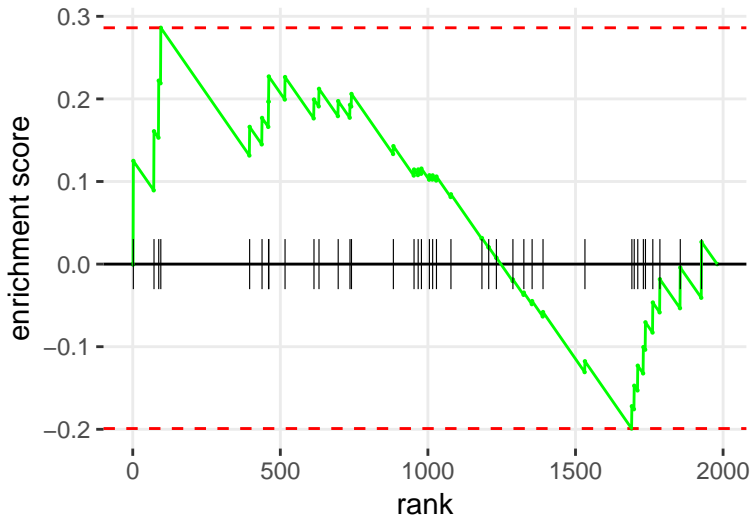


# CARBON FIXATION

enrichment score

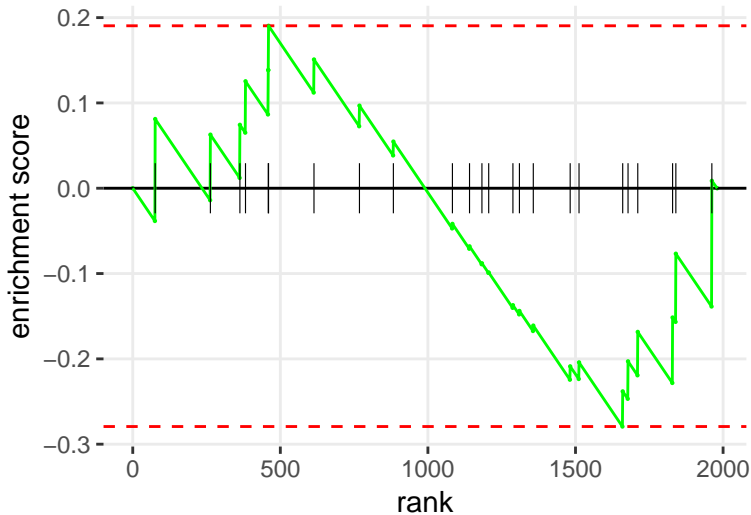


# CARNITINE SHUTTLE

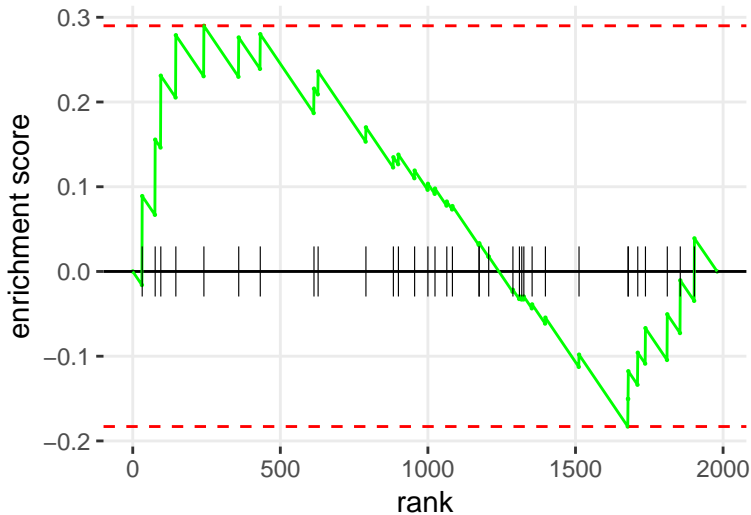




# LEUKOTRIENE METABOLISM



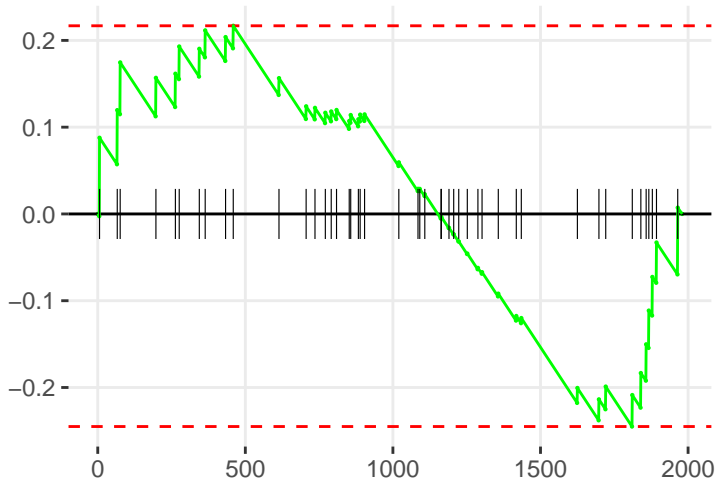
# FATTY ACID ACTIVATION



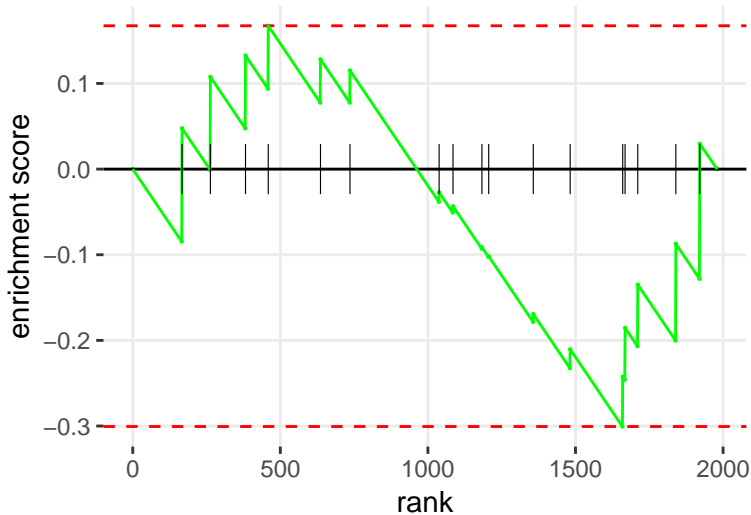
# ALKALOID BIOSYNTHESIS II

enrichment score

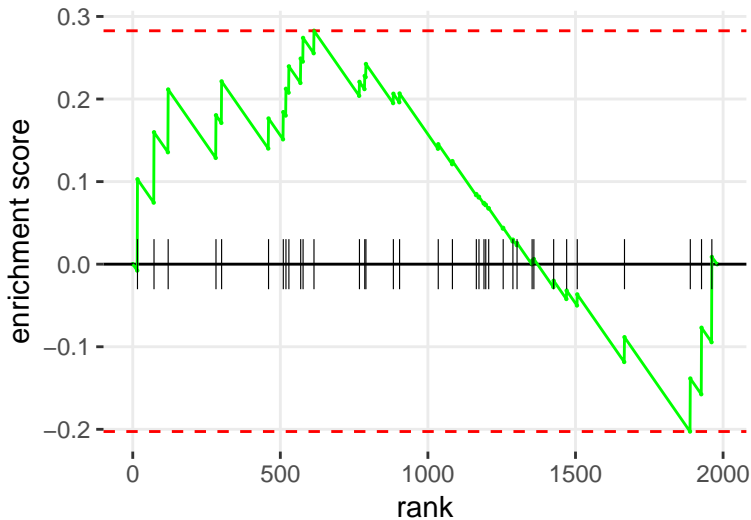
rank



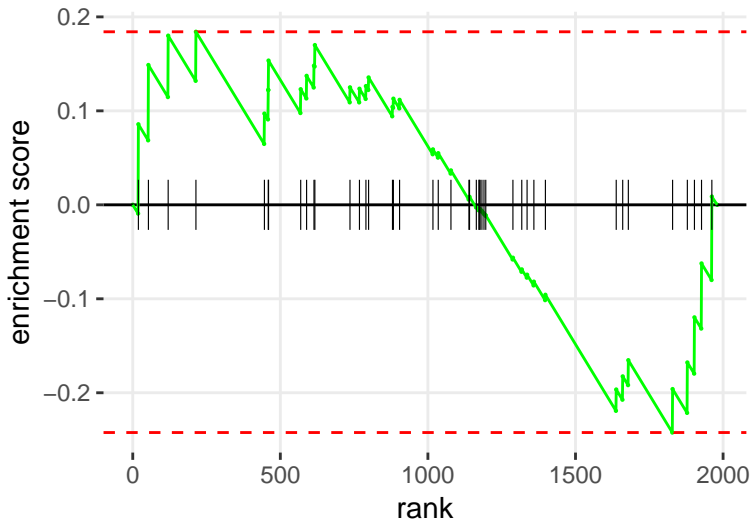
# ARACHIDONIC ACID METABOLISM



# GALACTOSE METABOLISM

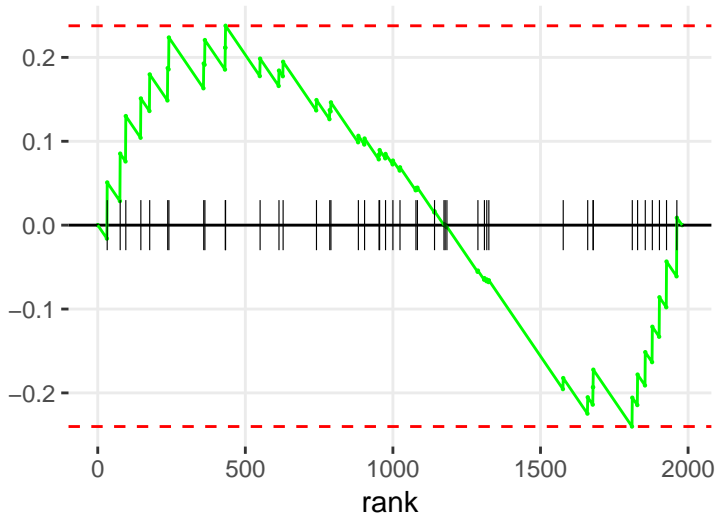


# BUTANOATE METABOLISM

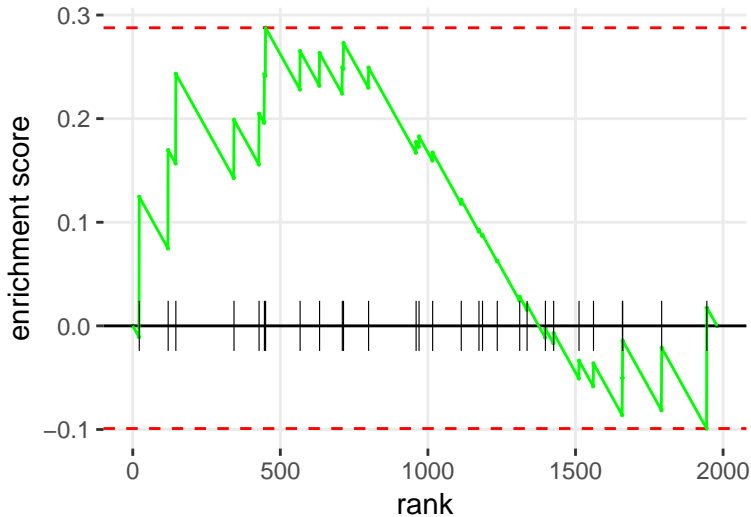


# MONO-UNSATURATED FATTY ACID BETA-OXIDATION

enrichment score

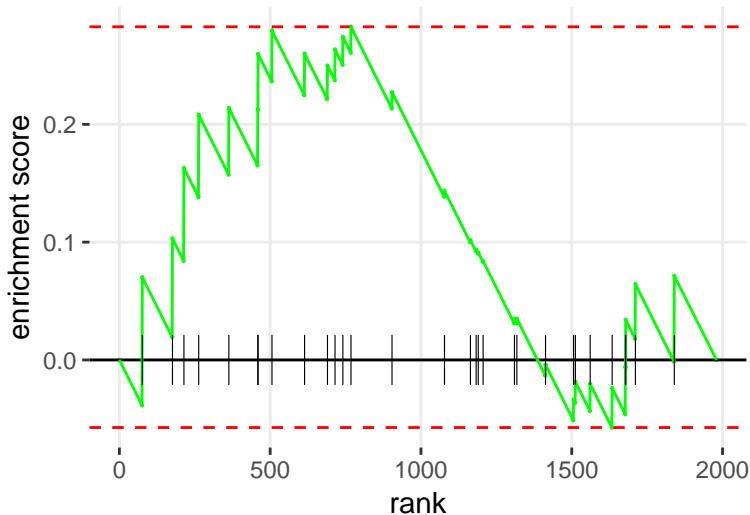


# BLOOD GROUP BIOSYNTHESIS



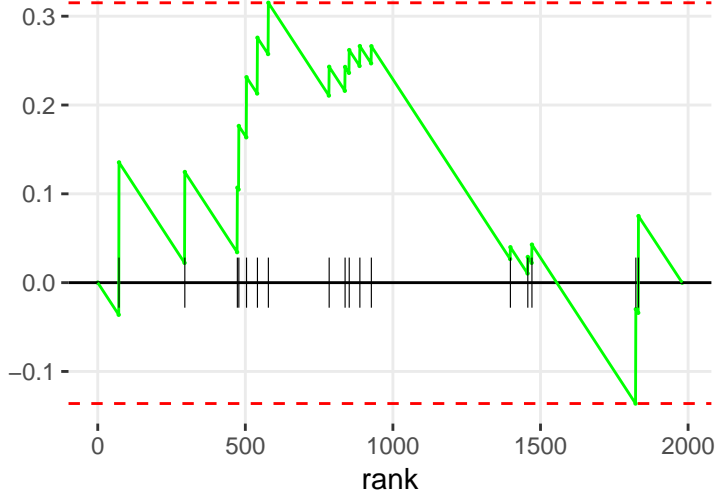


# DRUG METABOLISM – CYTOCHROME P450

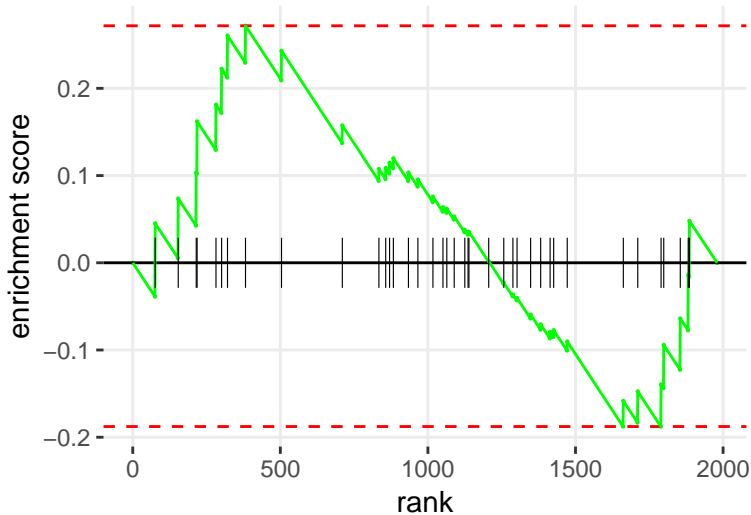


# PURINE METABOLISM

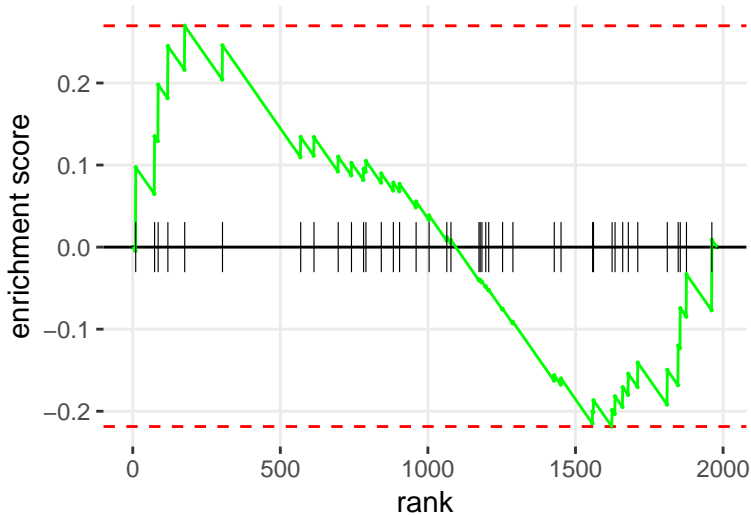
enrichment score



# METHIONINE AND CYSTEINE METABOLISM

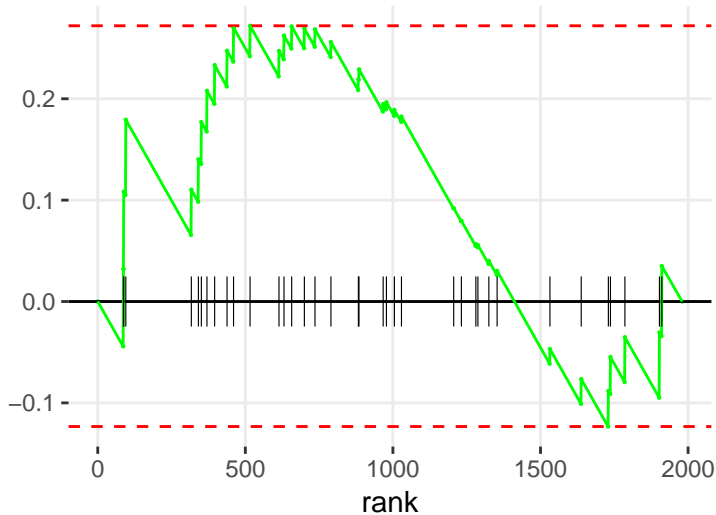


## AMINOSUGARS METABOLISM

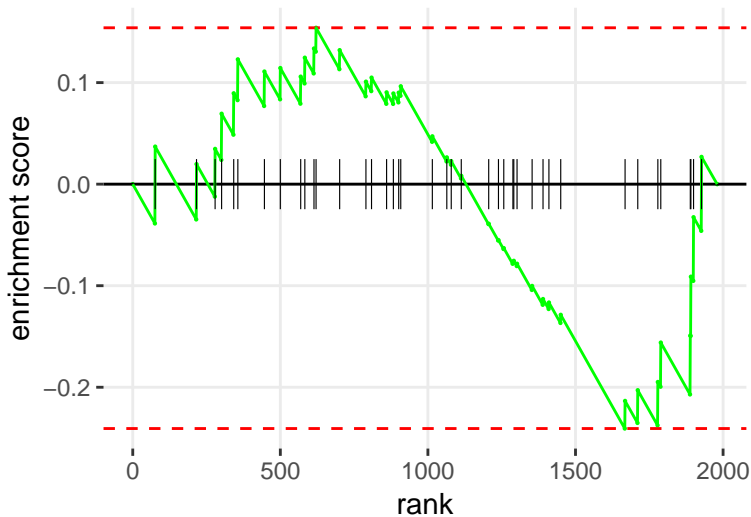


# VITAMIN B6 (PYRIDOXINE) METABOLISM

enrichment score



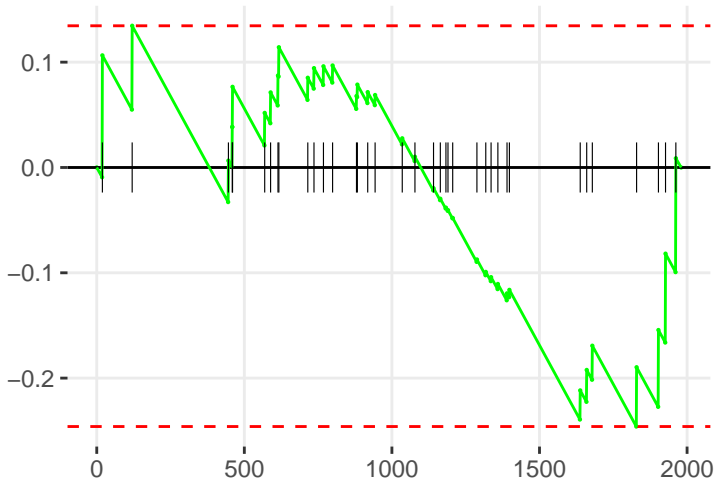
# GLYCOLYSIS AND GLUCONEOGENESIS



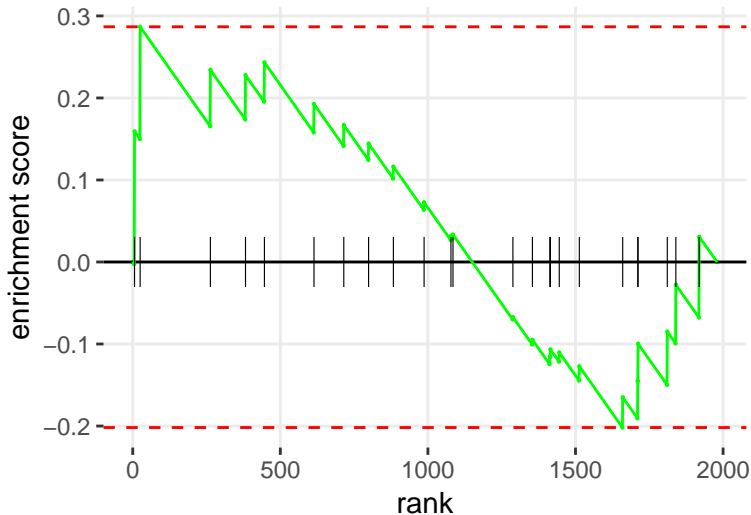
# PROPANOATE METABOLISM

enrichment score

rank

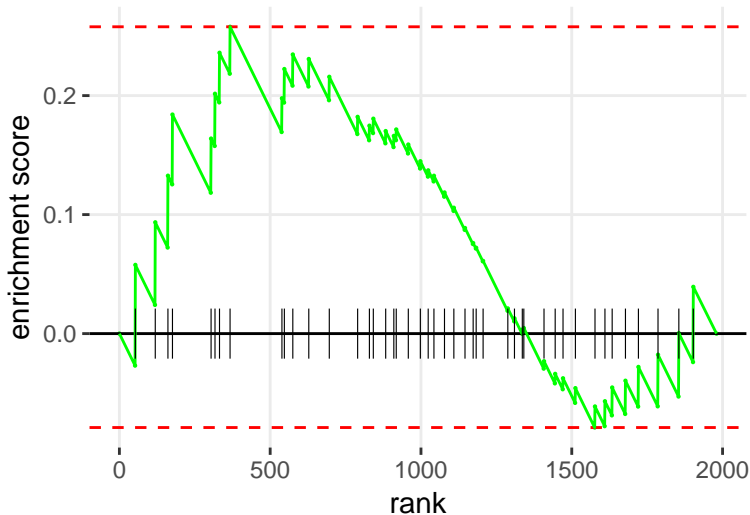


# ASPARTATE AND ASPARAGINE METABOLISM



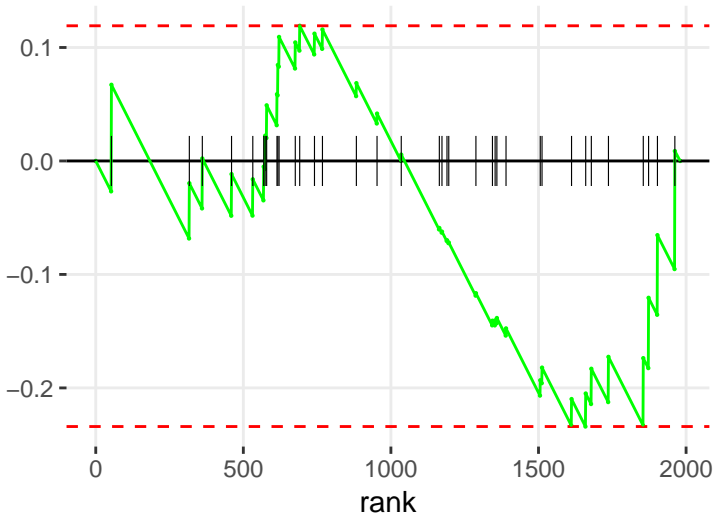


# VITAMIN B3 (NICOTINATE AND NICOTINAMIDE) METABOLISM

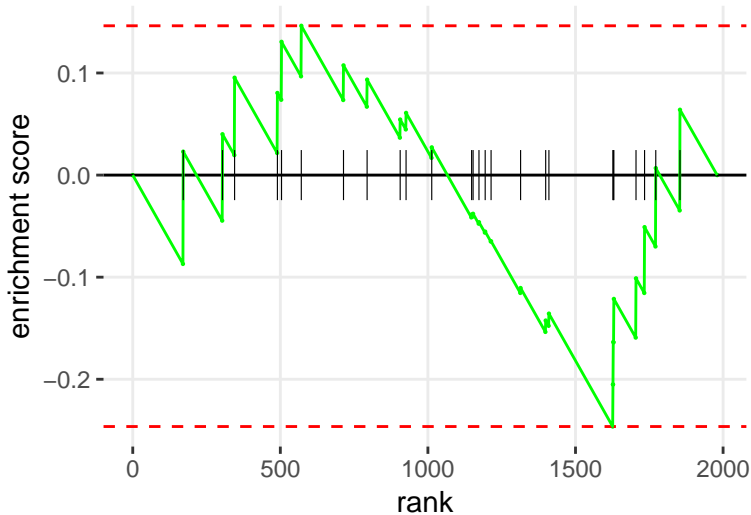


# ASCORBATE (VITAMIN C) AND ALDARATE METABOLISM

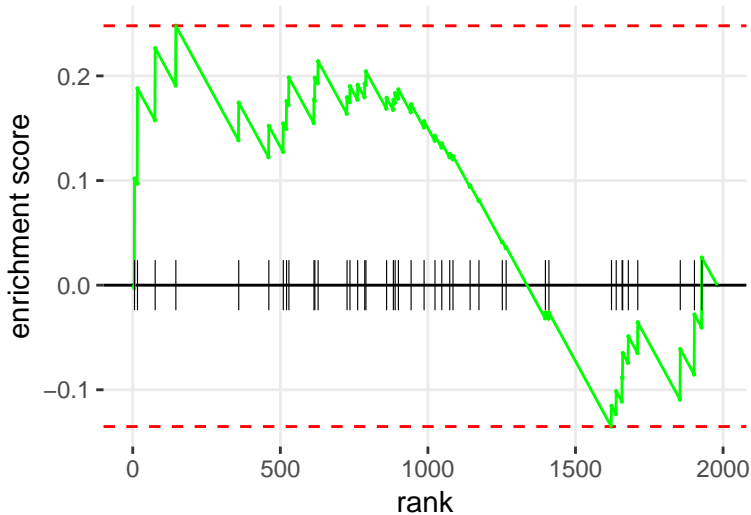
enrichment score



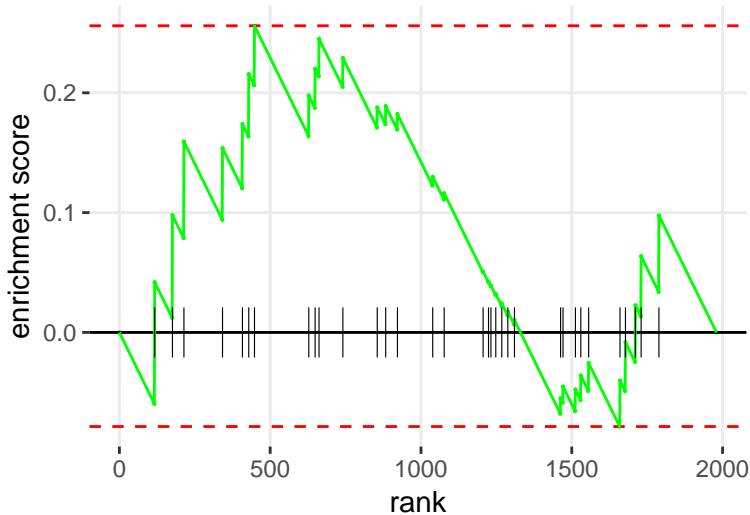
# PHOSPHATIDYLINOSITOL PHOSPHATE METABOLISM



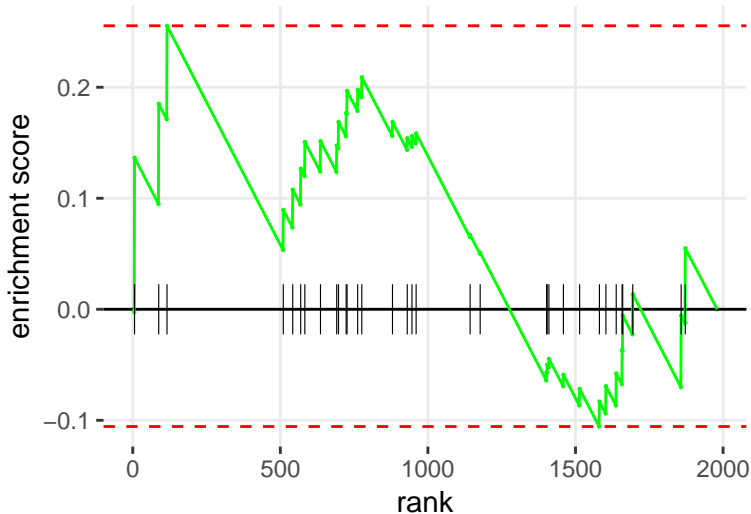
# GLYCOSPHINGOLIPID METABOLISM



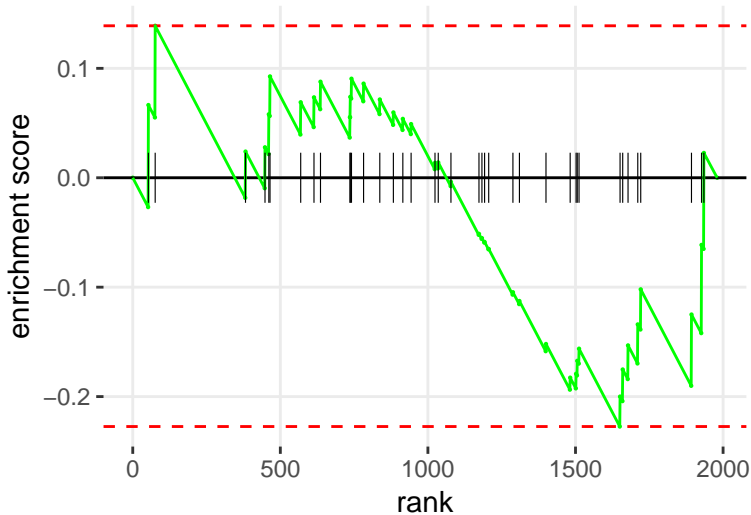
# PARATHIO DEGRADATION



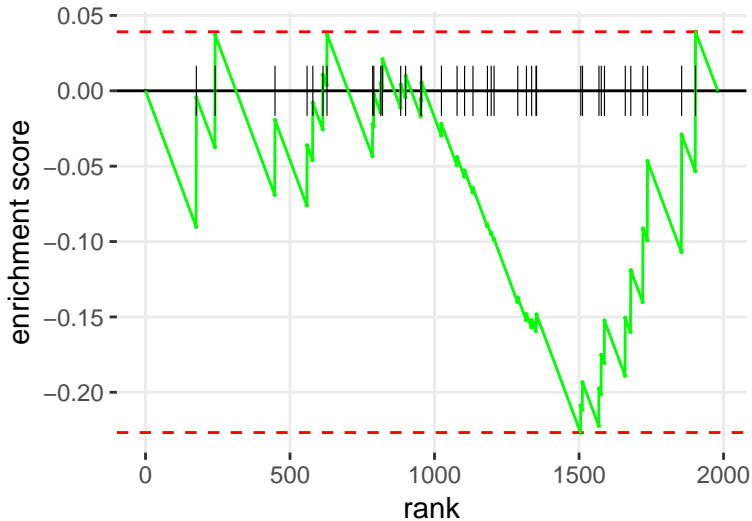
# GLYCOSPHINGOLIPID BIOSYNTHESIS – GANGLIOSERIES



# SQUALENE AND CHOLESTEROL BIOSYNTHESIS



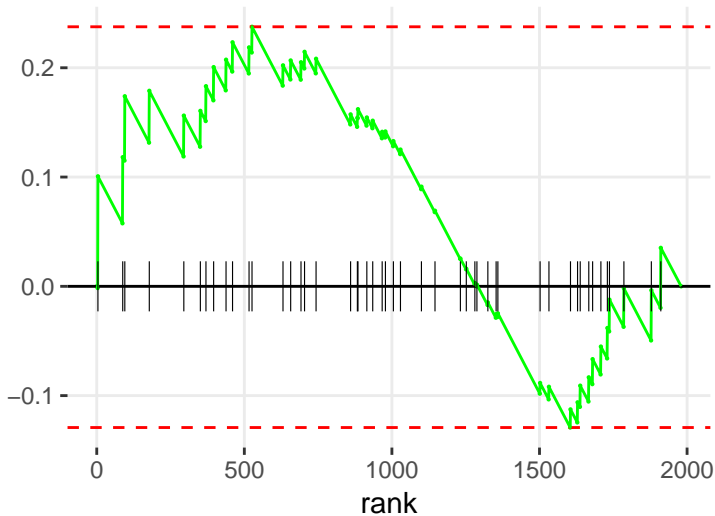
# VITAMIN B9 (FOLATE) METABOLISM





# SPHINGOLIPID METABOLISM

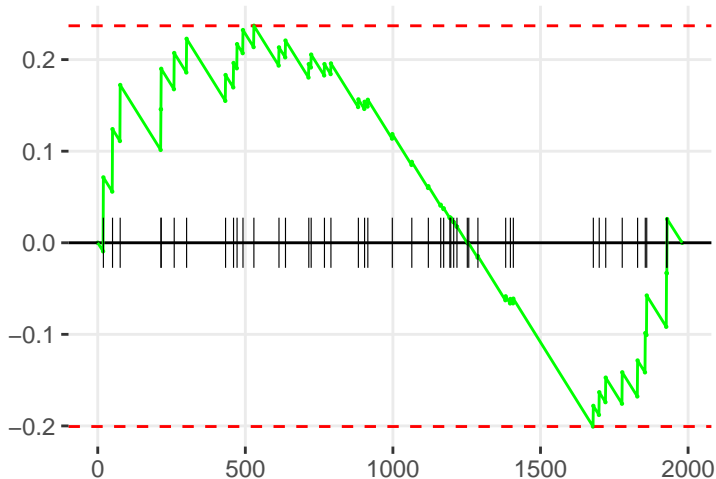
enrichment score



TCA CYCLE

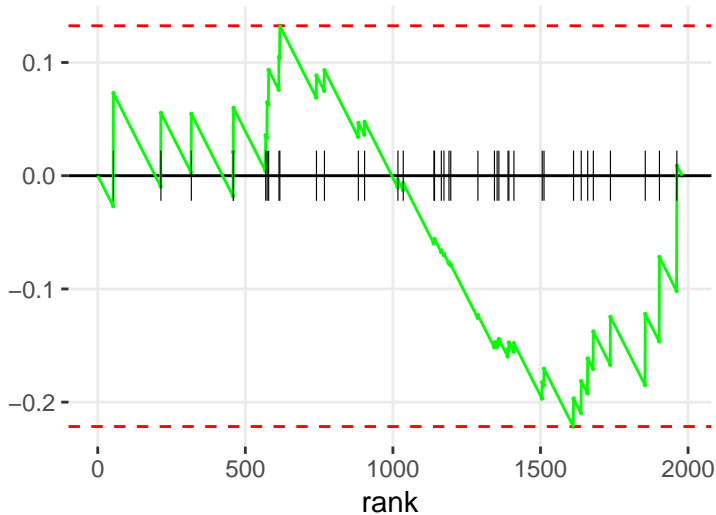
enrichment score

rank



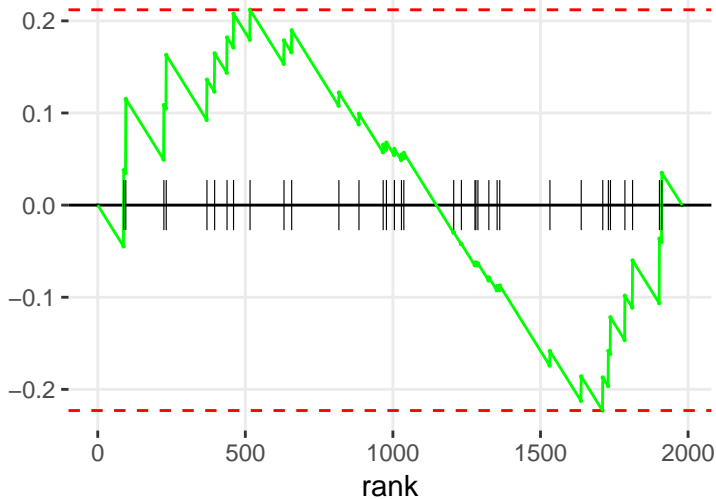
# BETA-ALANINE METABOLISM

enrichment score



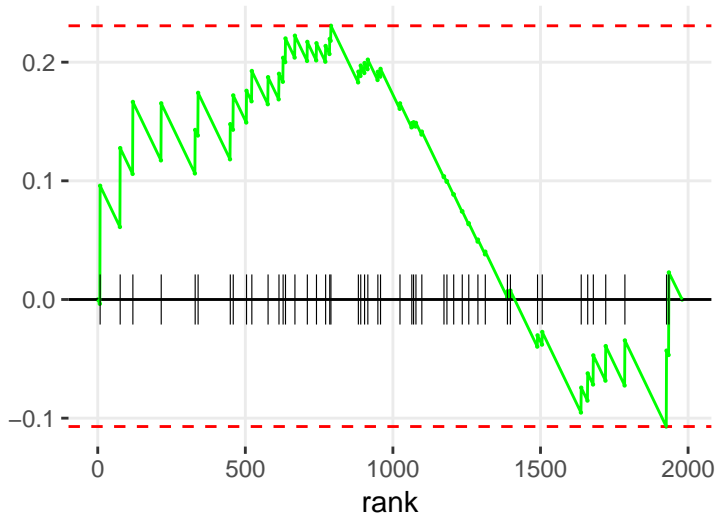
# FATTY ACID OXIDATION, PEROXISOME

enrichment score



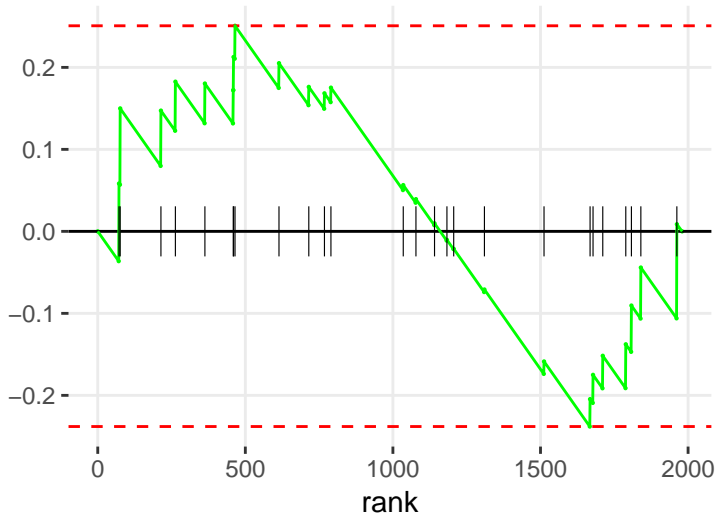
# VITAMIN B1 (THIAMIN) METABOLISM

enrichment score

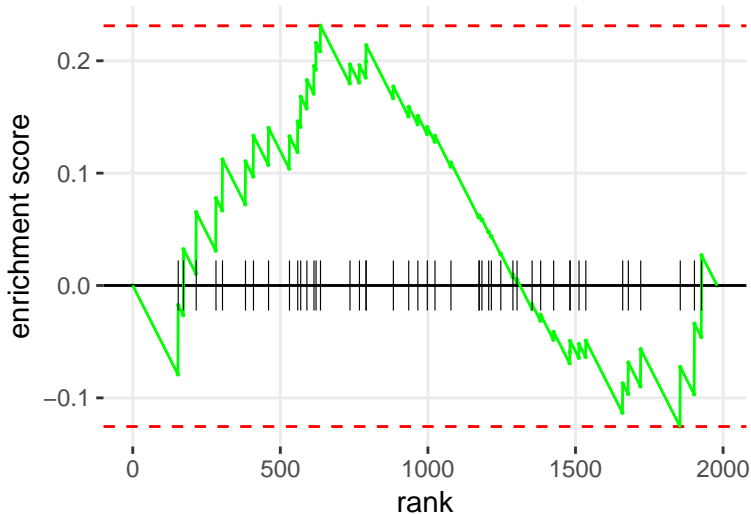


# TRYPTOPHAN METABOLISM

enrichment score

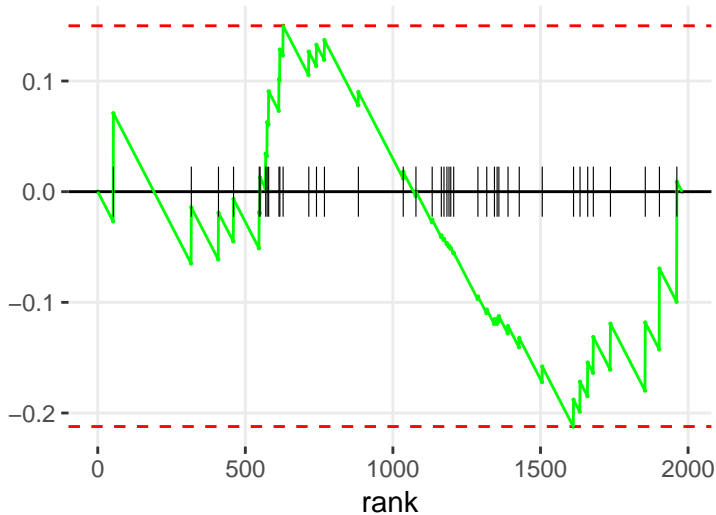


# DE NOVO FATTY ACID BIOSYNTHESIS



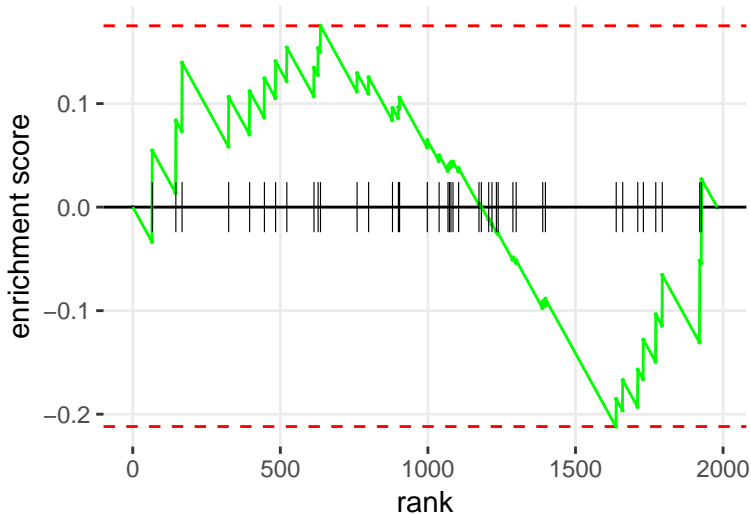
# HISTIDINE METABOLISM

enrichment score



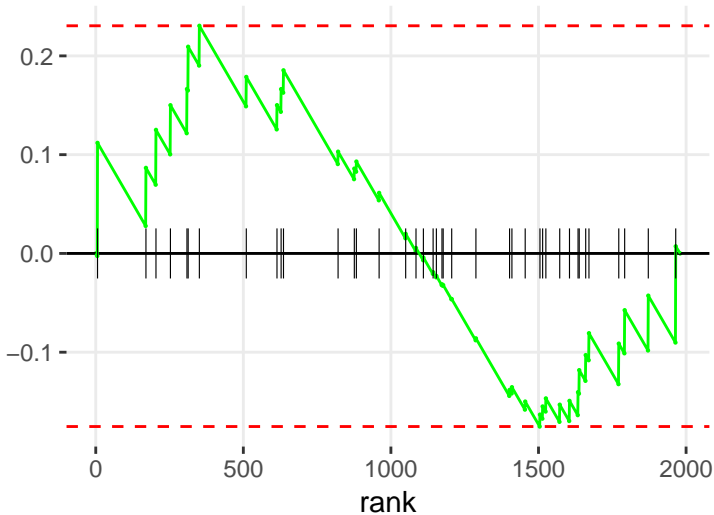


# PROSTAGLANDIN FORMATION FROM DIHOMO GAMMA-LINOLEIC ACID



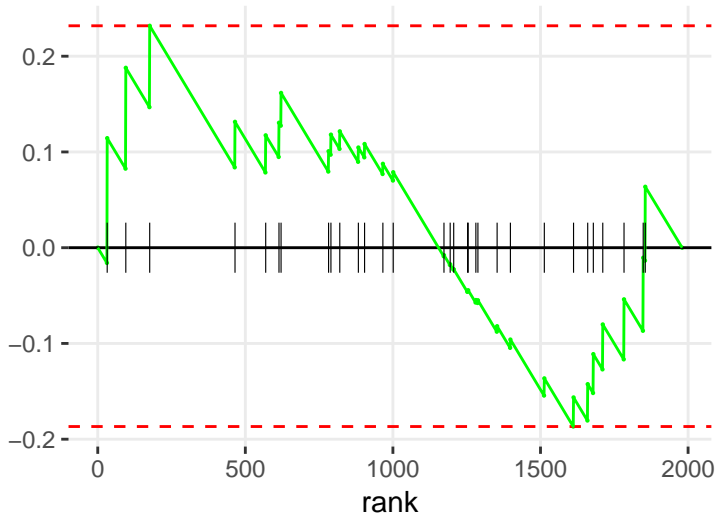
# SIALIC ACID METABOLISM

enrichment score



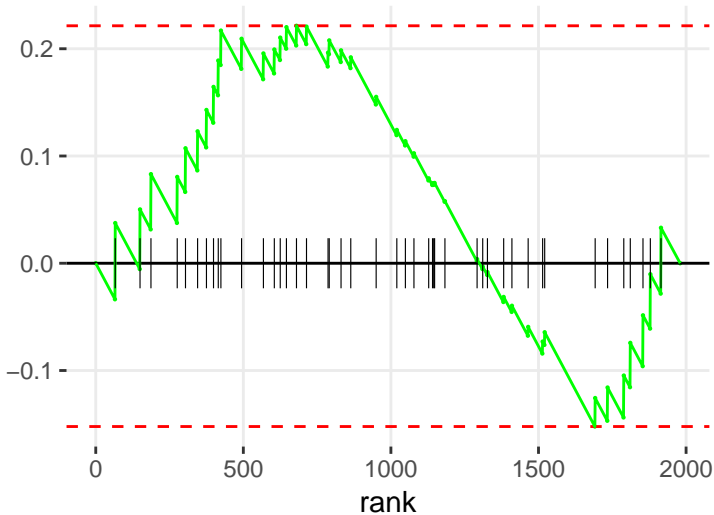
# HEXOSE PHOSPHORYLATION

enrichment score



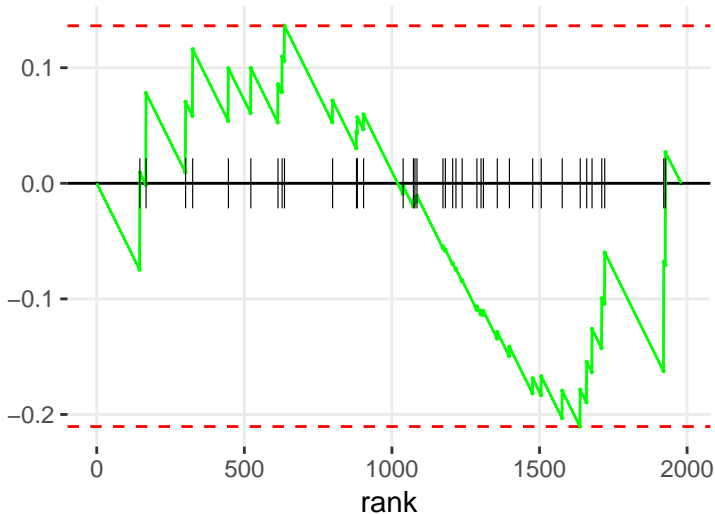
# HEPARAN SULFATE BIOSYNTHESIS

enrichment score

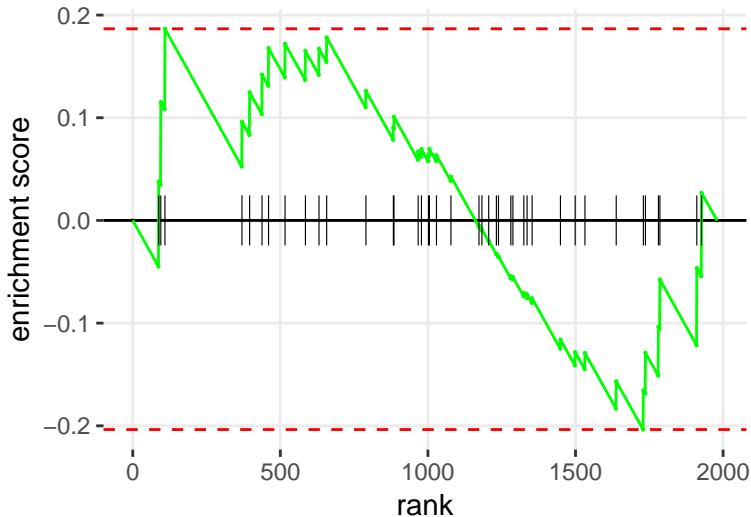


# PUTATIVE ANTI-INFLAMMATORY METABOLITES FORMATION FROM EPA

enrichment score

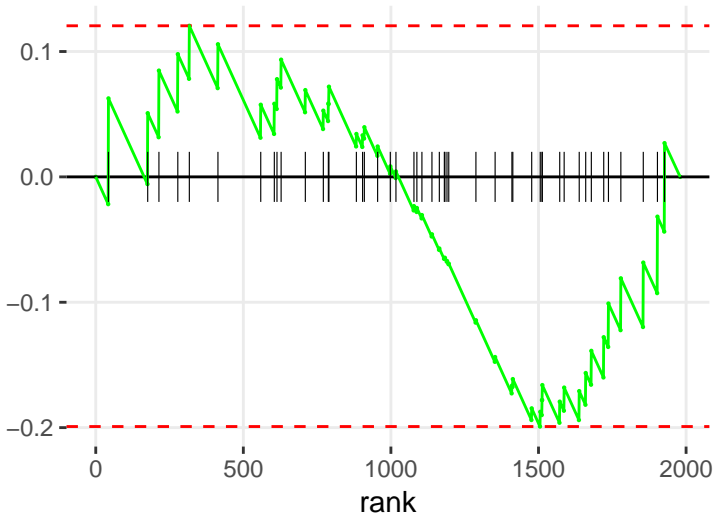


# VITAMIN B5 – COA BIOSYNTHESIS FROM PANTOTHENATE



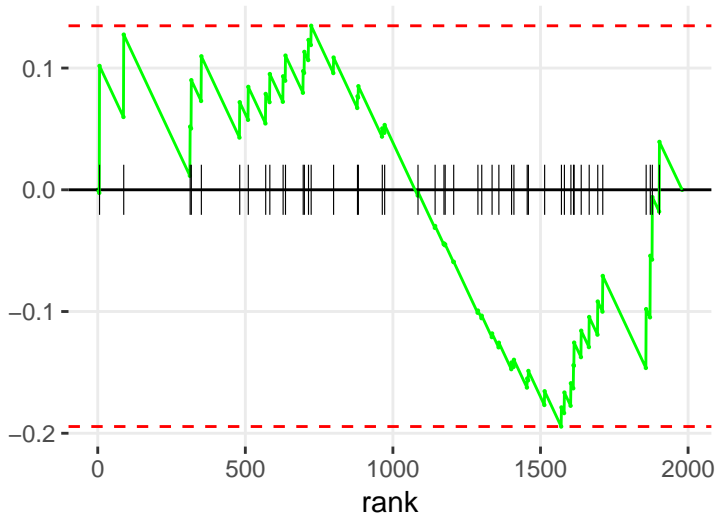
# GLUTAMATE METABOLISM

enrichment score



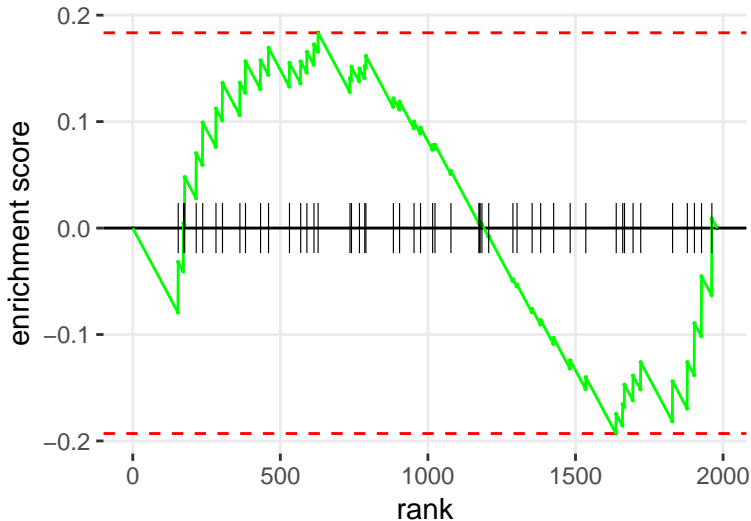
# N-GLYCAN DEGRADATION

enrichment score

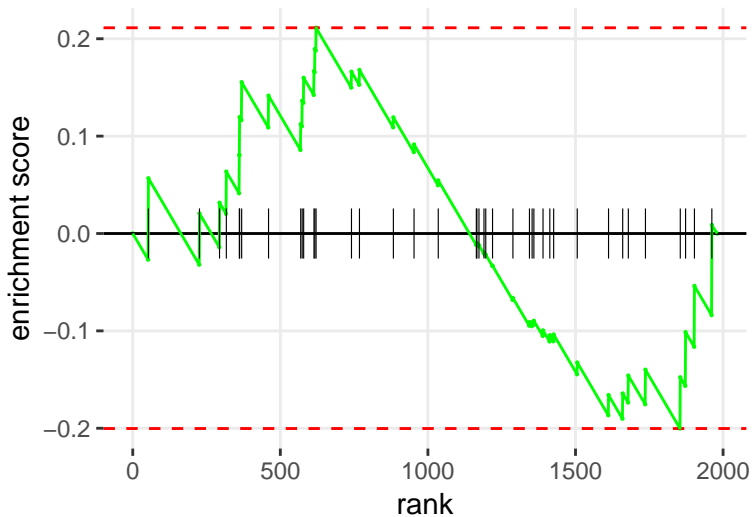




# POLYUNSATURATED FATTY ACID BIOSYNTHESIS

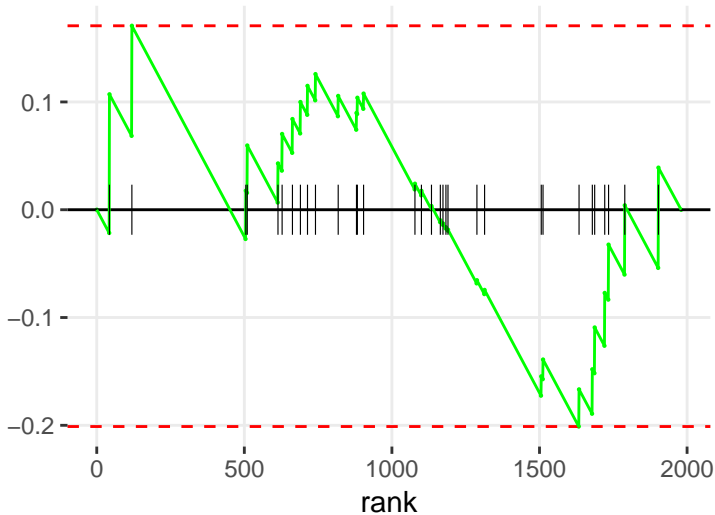


### 3-CHLOROACRYLIC ACID DEGRADATION



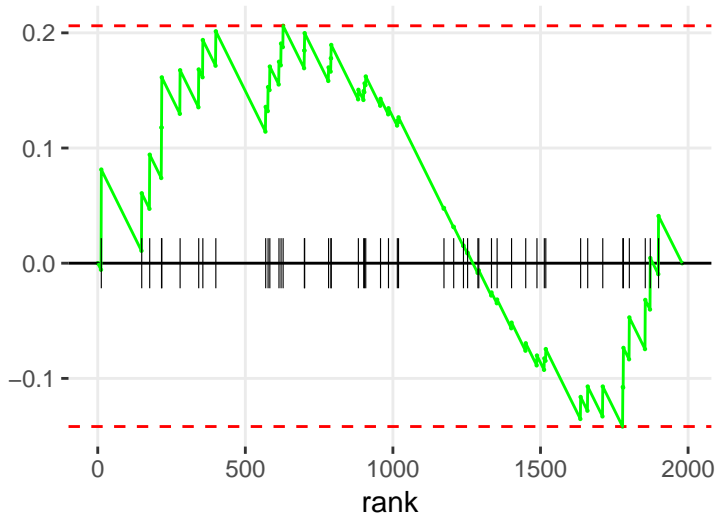
# PORPHYRYN METABOLISM

enrichment score



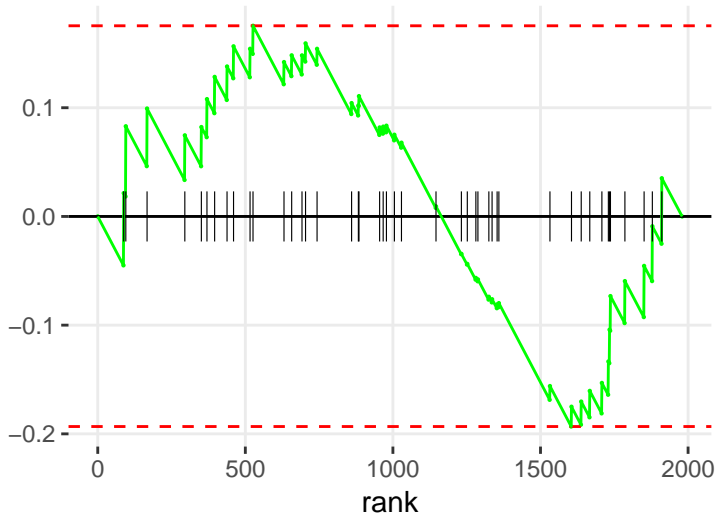
# BENZOATE DEGRADATION VIA COA LIGATION

enrichment score



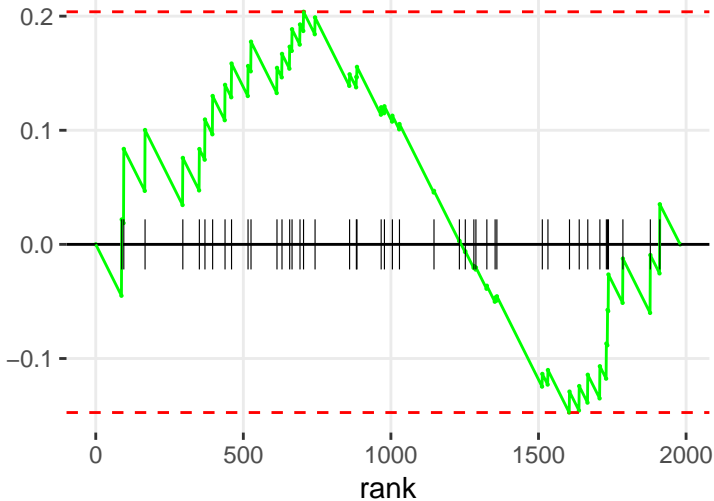
# VITAMIN B12 (CYANOCOBALAMIN) METABOLISM

enrichment score

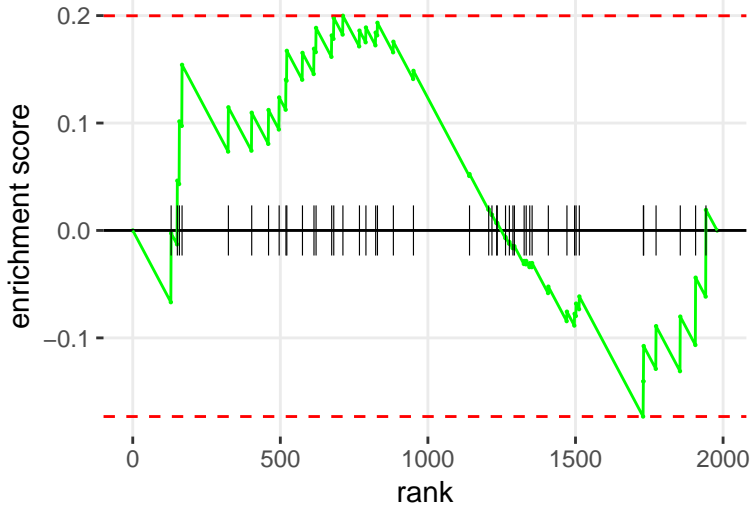


# FATTY ACID OXIDATION

enrichment score

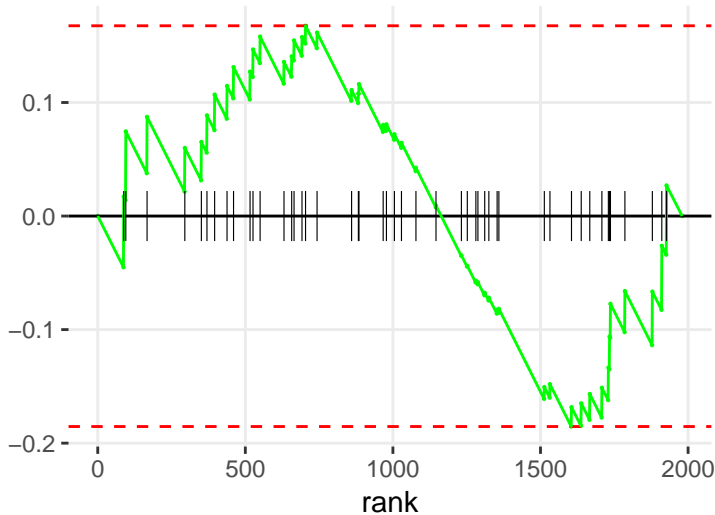


# BIOPTERIN METABOLISM



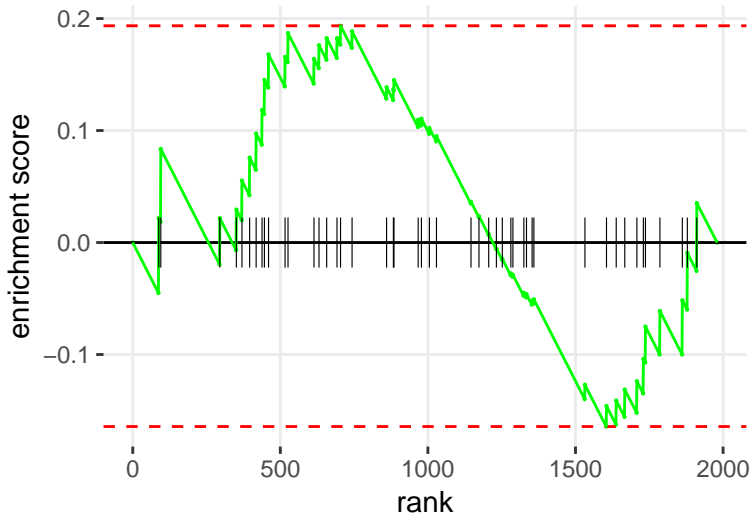
# GERANIOL DEGRADATION

enrichment score



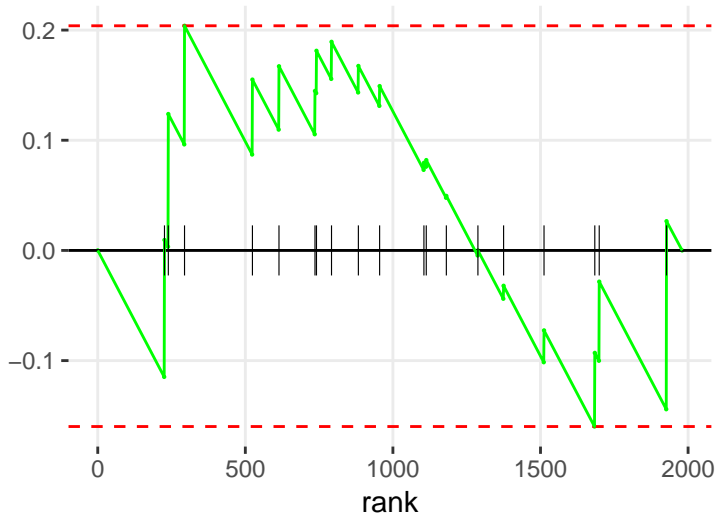


# DYNORPHIN METABOLISM

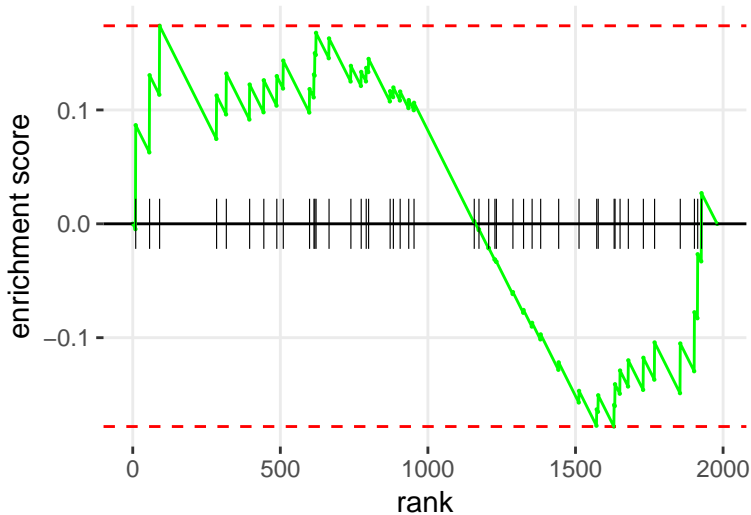


# ELECTRON TRANSPORT CHAIN

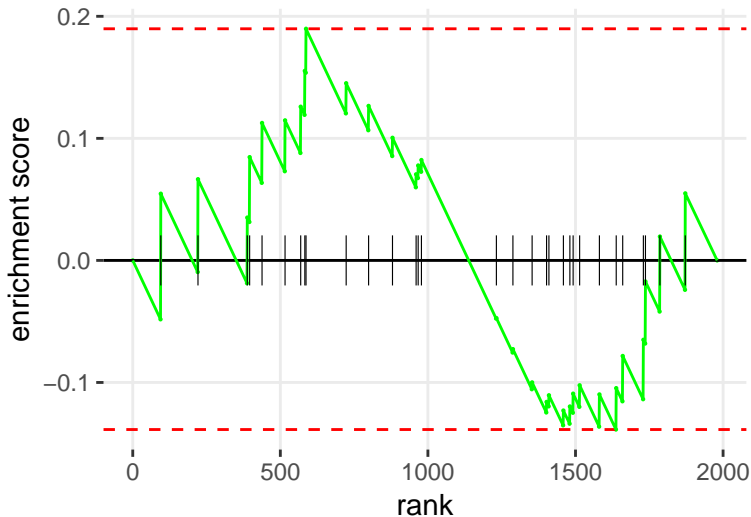
enrichment score



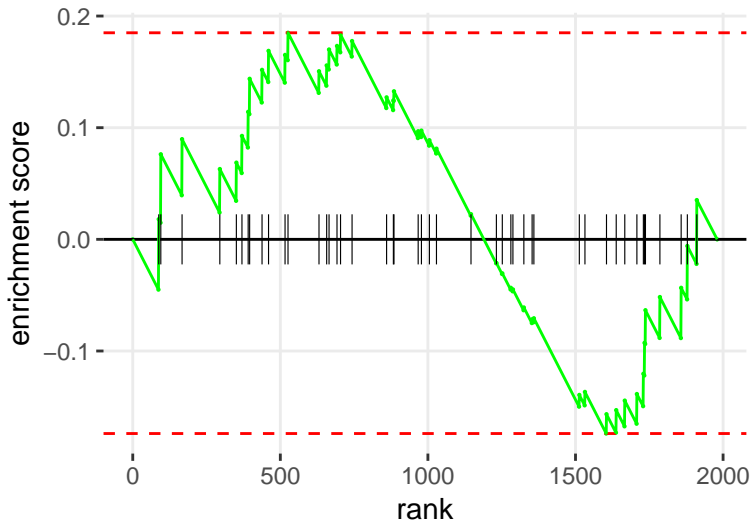
# NITROGEN METABOLISM



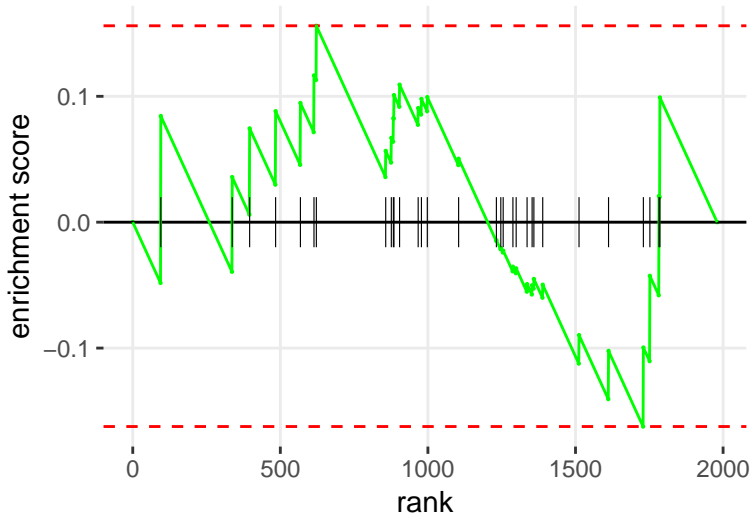
# GLYCOSPHINGOLIPID BIOSYNTHESIS – GLOBOSERIES



# VITAMIN H (BIOTIN) METABOLISM



# PENTOSE AND GLUCURONATE INTERCONVERSIONS



# HYALURONAN METABOLISM

enrichment score

