

LIPOATE METABOLISM

enrichment score

rank

0.0

-0.1

-0.2

-0.3

-0.4

0

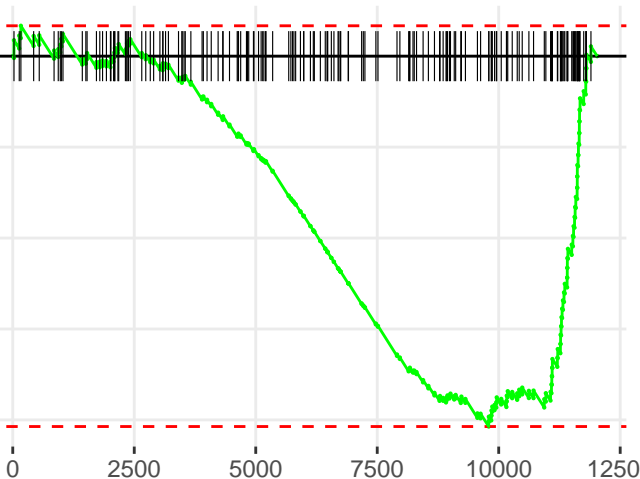
2500

5000

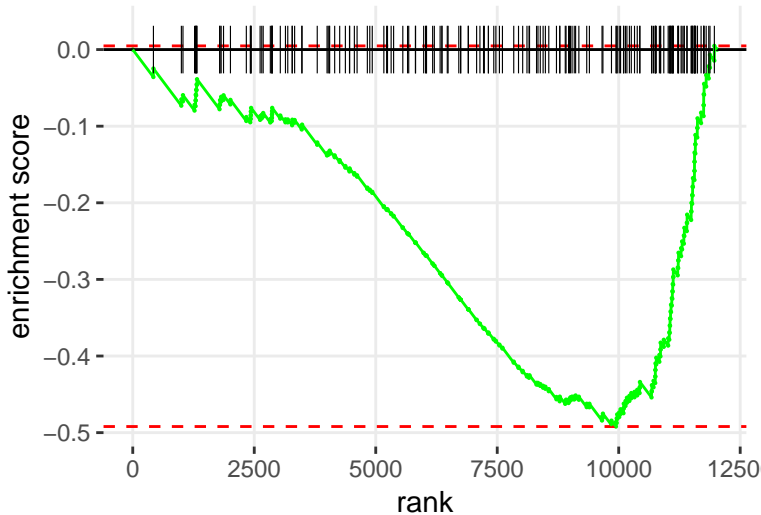
7500

10000

12500



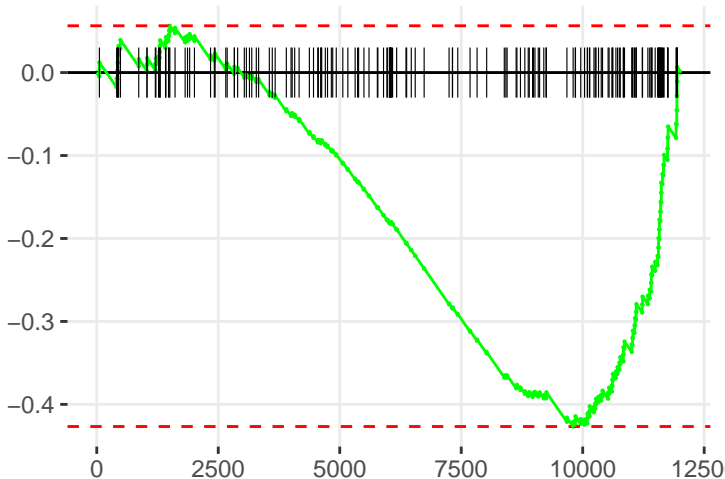
PENTOSE PHOSPHATE PATHWAY



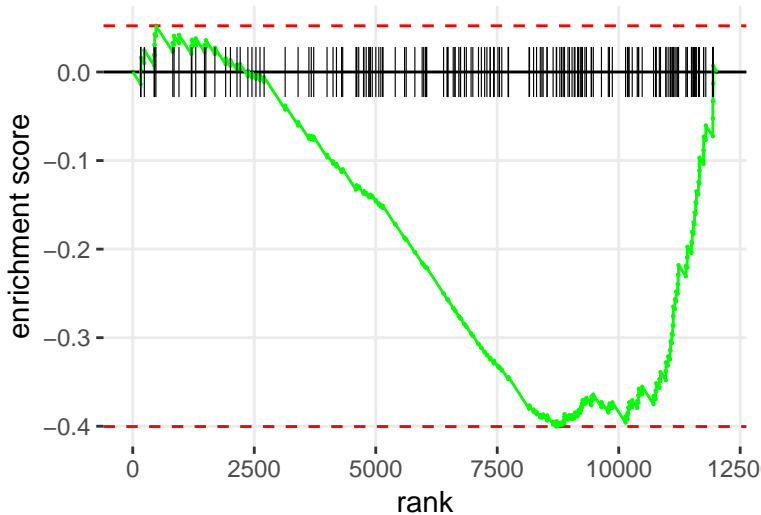
GALACTOSE METABOLISM

enrichment score

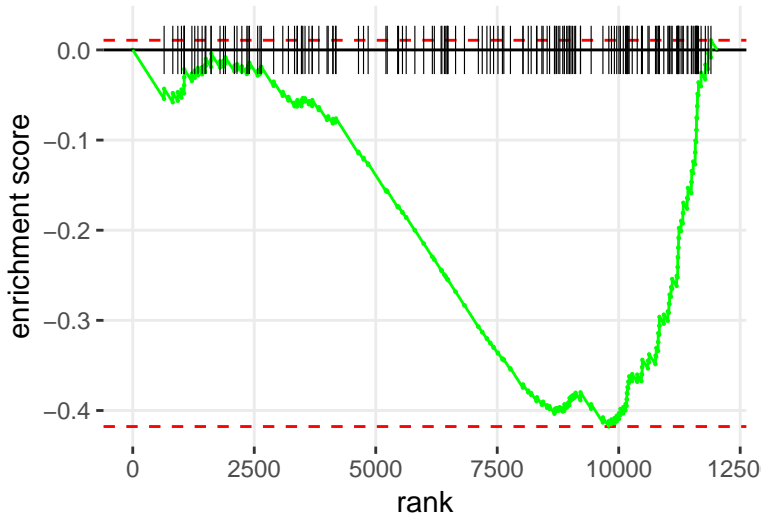
rank



STARCH AND SUCROSE METABOLISM



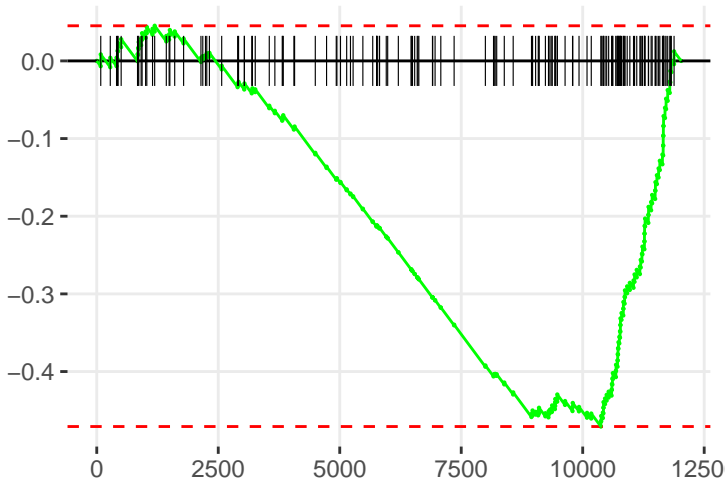
LIMONENE AND PINENE DEGRADATION



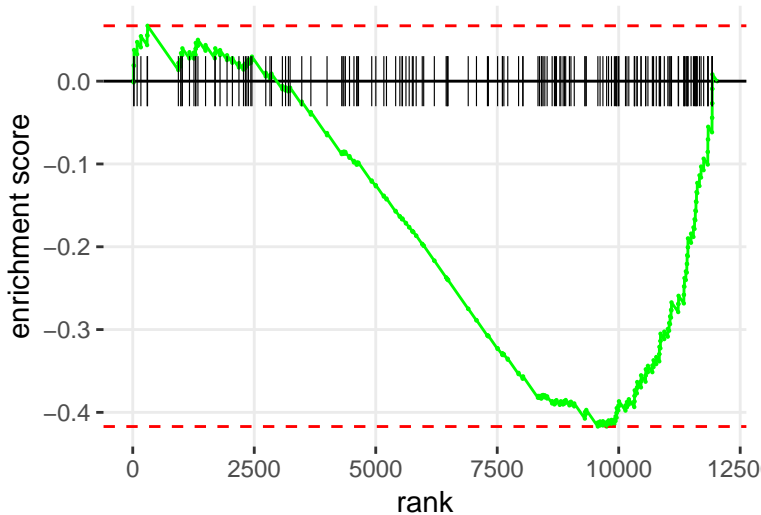
VITAMIN B5 – COA BIOSYNTHESIS FROM PANTOTHENATE

enrichment score

rank



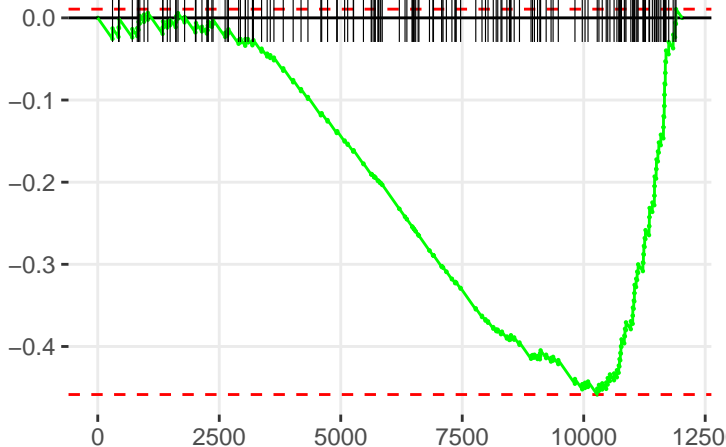
AMINOSUGARS METABOLISM



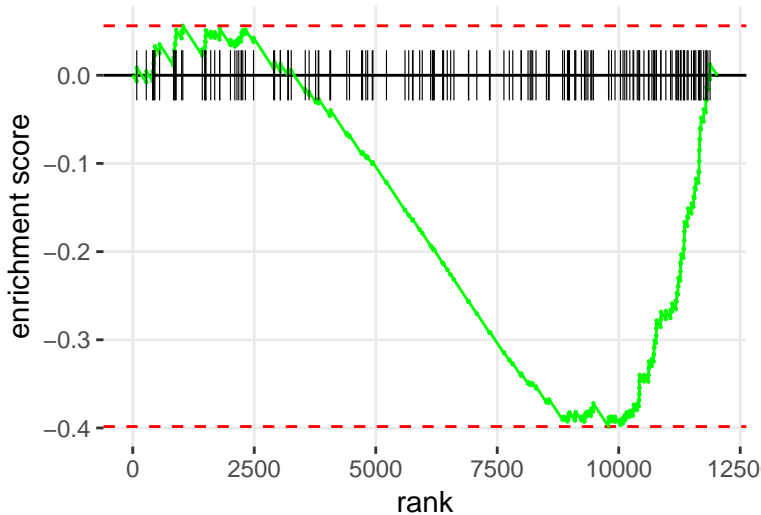
C5-BRANCHED DIBASIC ACID METABOLISM

enrichment score

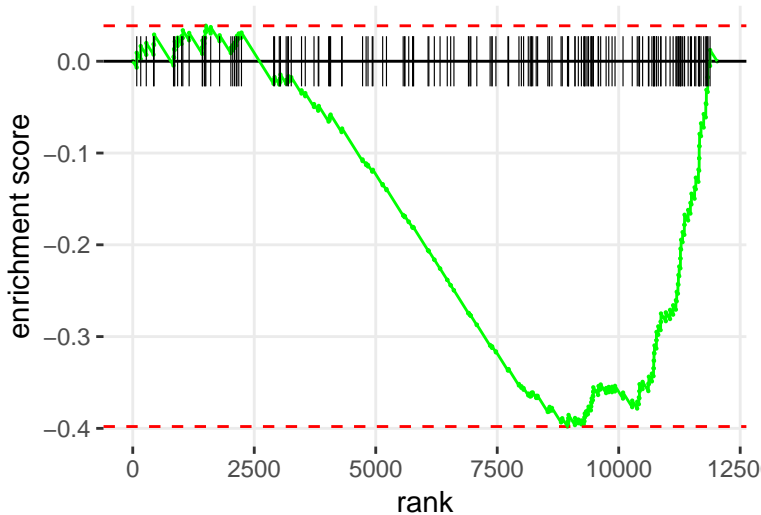
rank



GERANIOL DEGRADATION



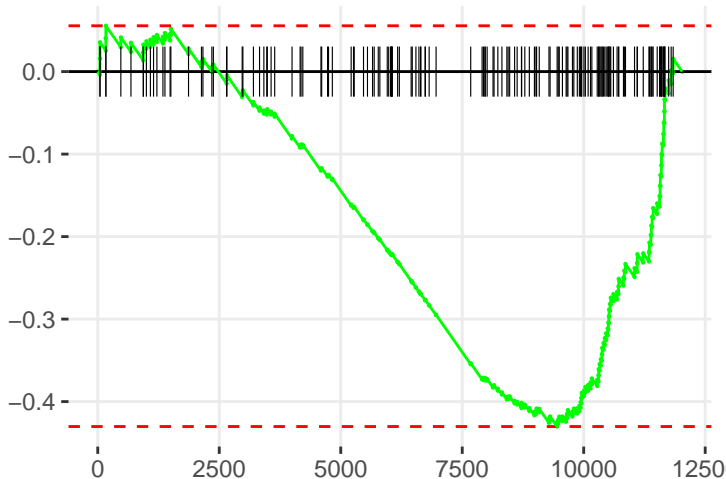
FATTY ACID OXIDATION, PEROXISOME



PYRUVATE METABOLISM

enrichment score

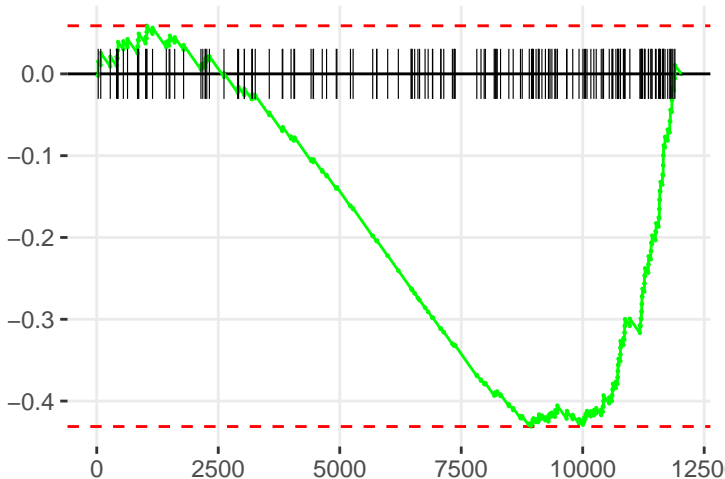
rank



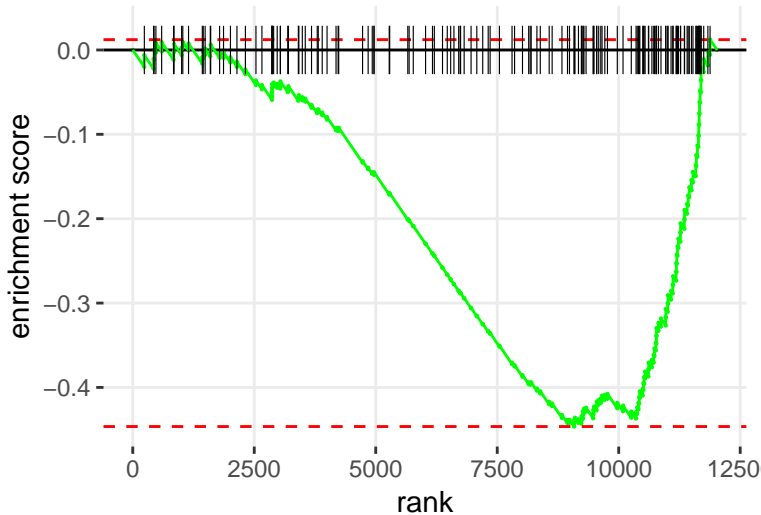
VITAMIN B6 (PYRIDOXINE) METABOLISM

enrichment score

rank



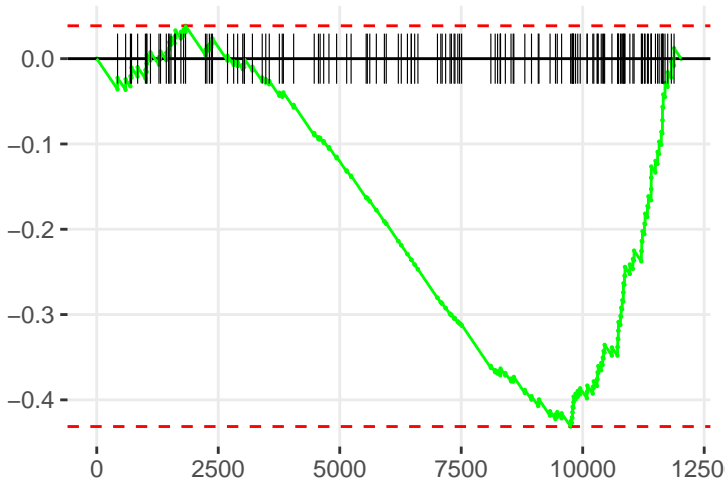
PENTOSE AND GLUCURONATE INTERCONVERSIONS



GLYCOSYLPHOSPHATIDYLINOSITOL(GPI)-ANCHOR BIOSYNTHESIS

enrichment score

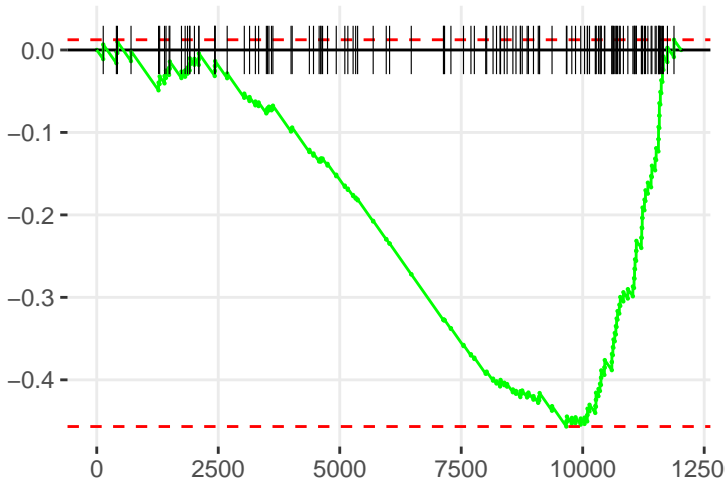
rank



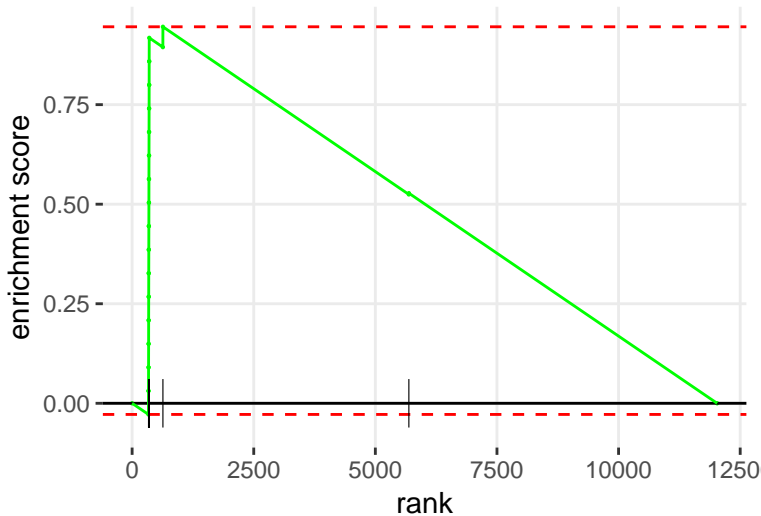
CARBON FIXATION

enrichment score

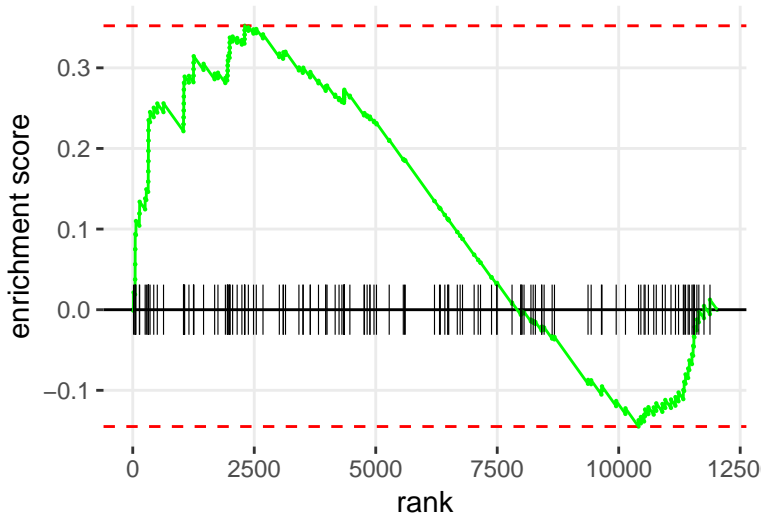
rank



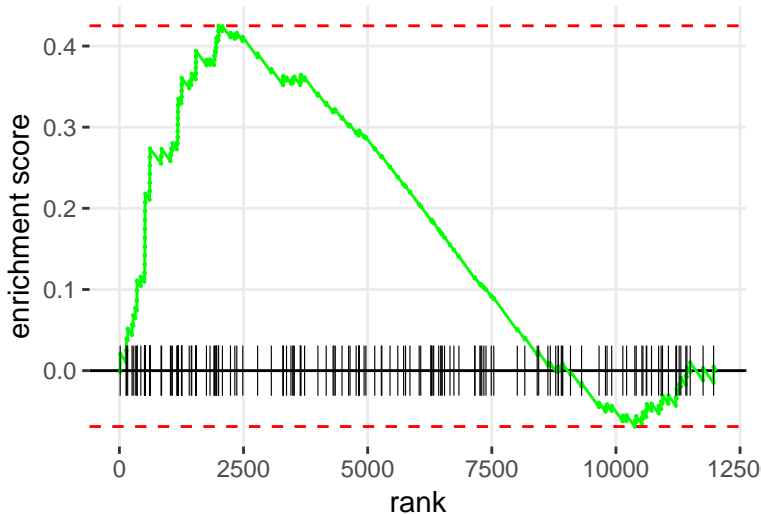
D4&E4-NEUROPROSTANES FORMATION



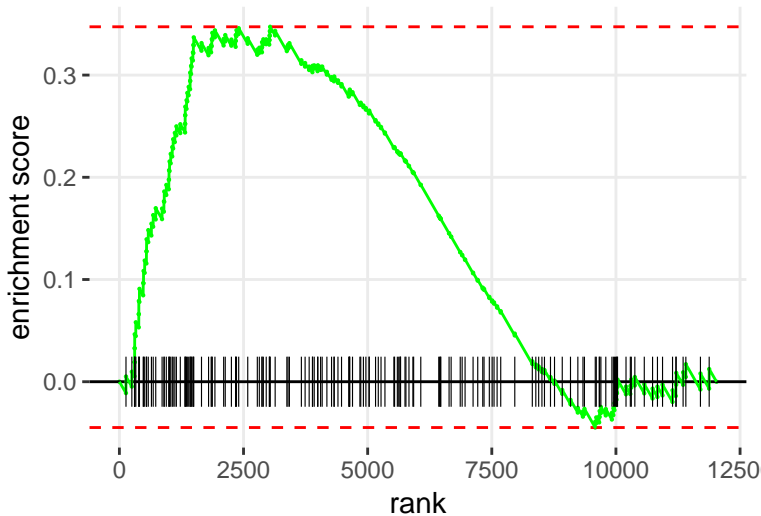
ANDROGEN AND ESTROGEN BIOSYNTHESIS AND METABOLISM



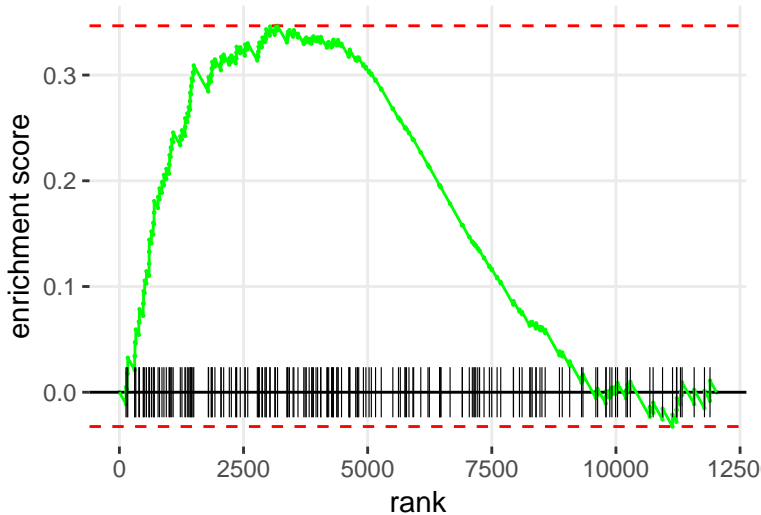
C21-STEROID HORMONE BIOSYNTHESIS AND METABOLISM



LYSINE METABOLISM



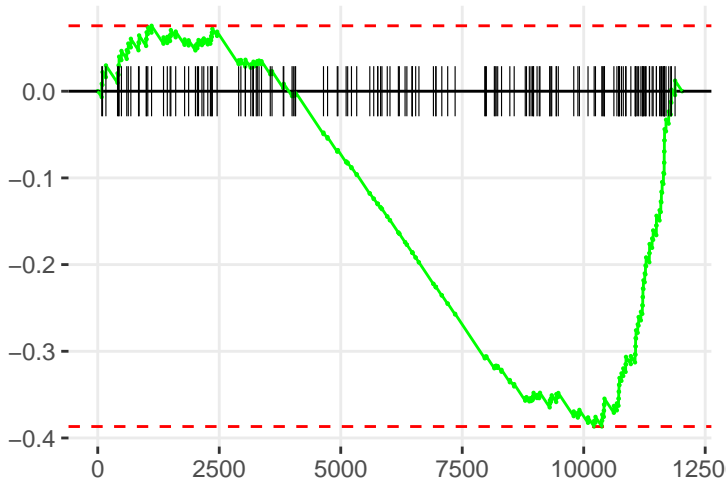
UREA CYCLE/AMINO GROUP METABOLISM



CARNITINE SHUTTLE

enrichment score

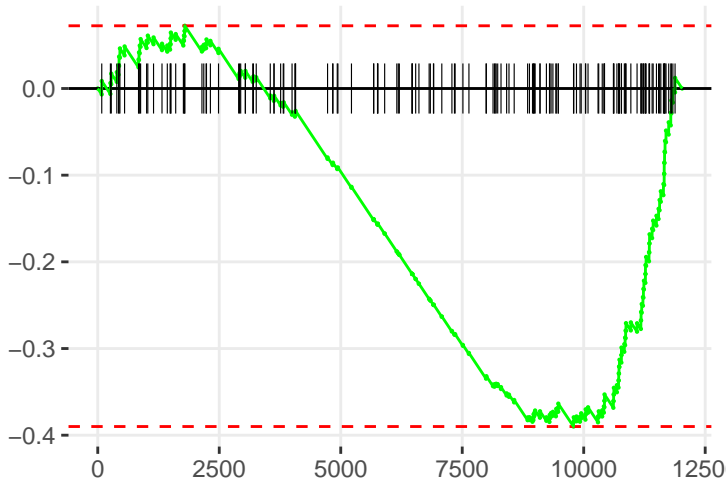
rank



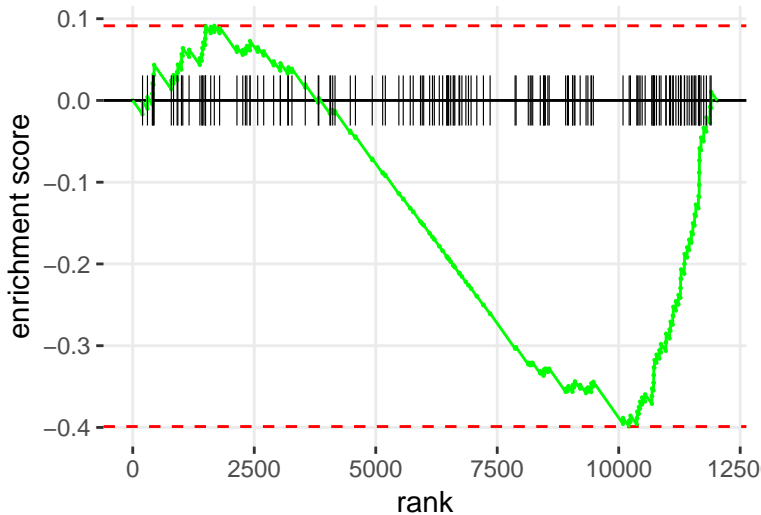
DYNORPHIN METABOLISM

enrichment score

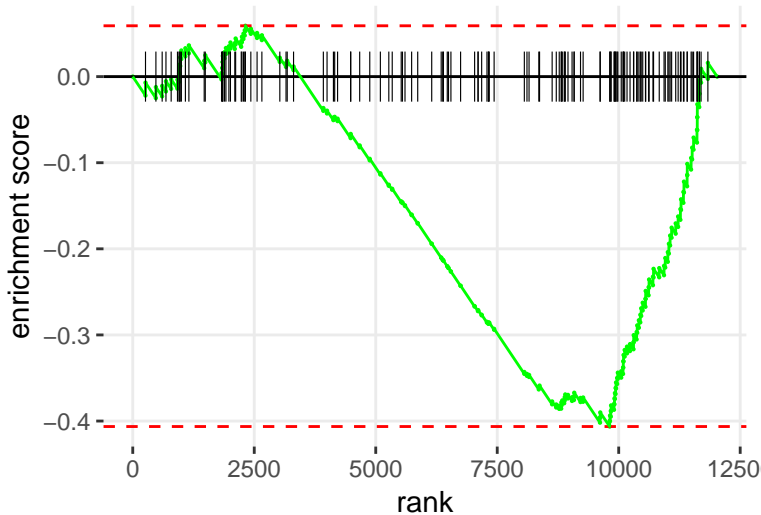
rank



VITAMIN B2 (RIBOFLAVIN) METABOLISM

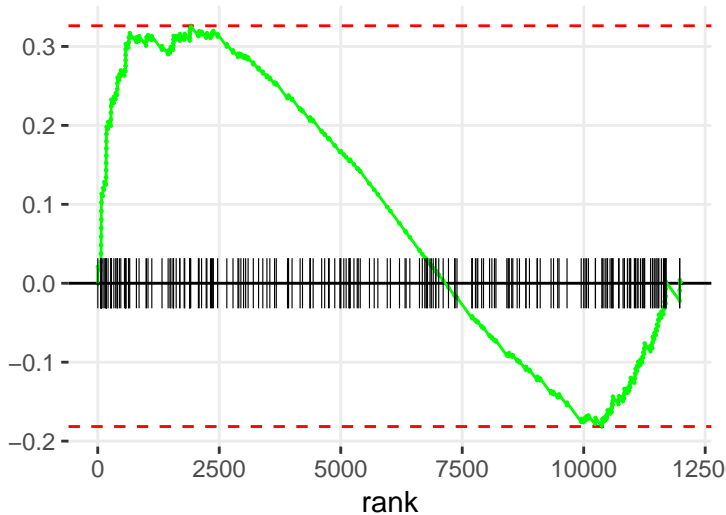


ALKALOID BIOSYNTHESIS II

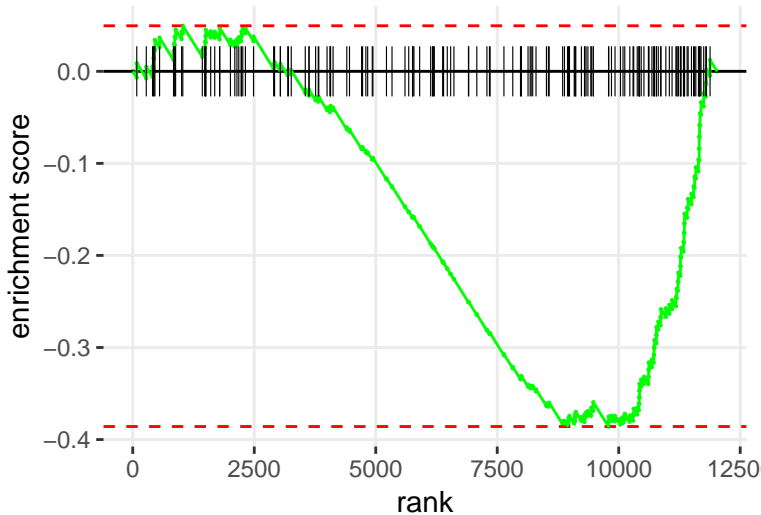


PROSTAGLANDIN FORMATION FROM ARACHIDONATE

enrichment score



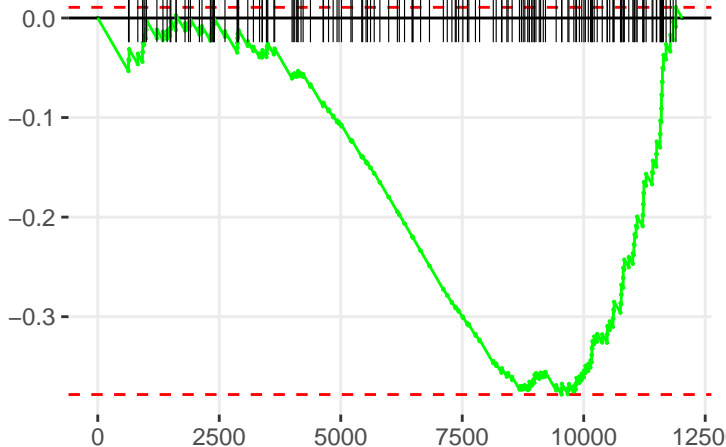
FATTY ACID OXIDATION



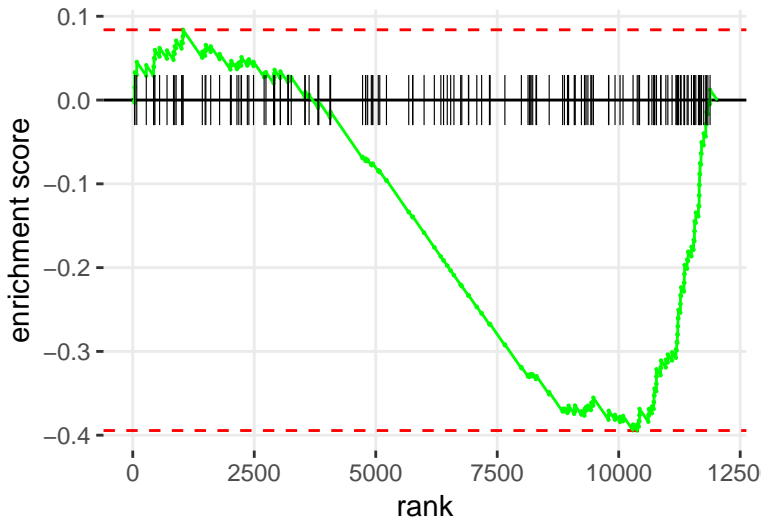
ASCORBATE (VITAMIN C) AND ALDARATE METABOLISM

enrichment score

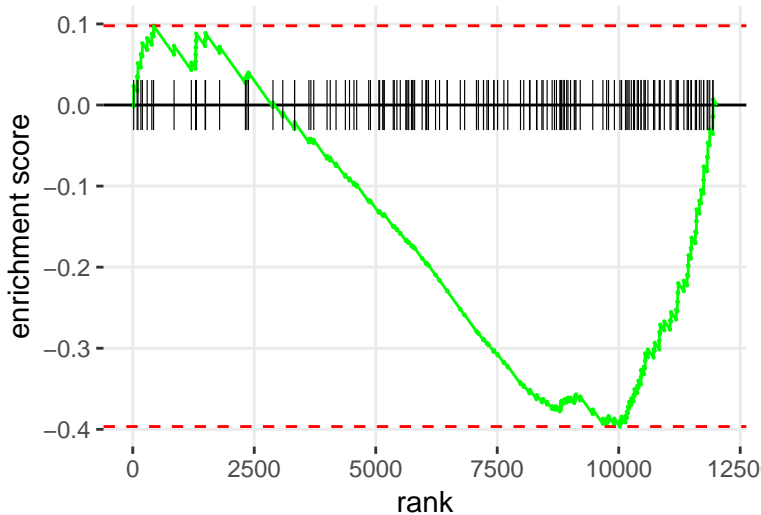
rank



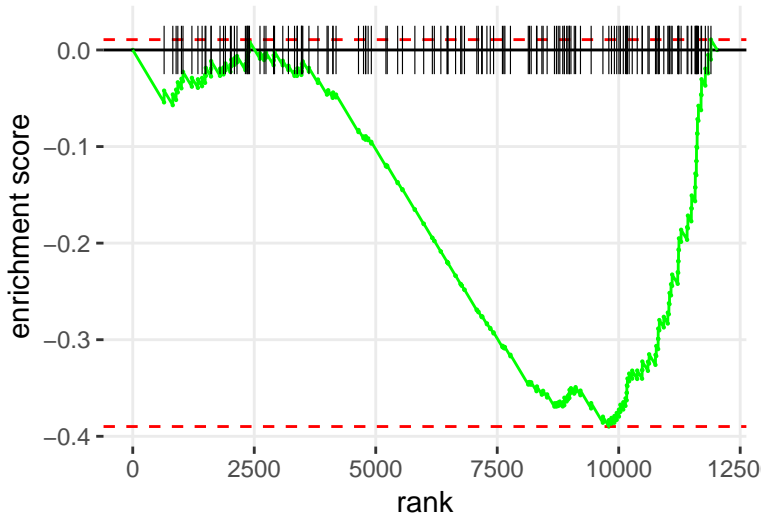
1- AND 2-METHYLNAPHTHALENE DEGRADATION



HEXOSE PHOSPHORYLATION



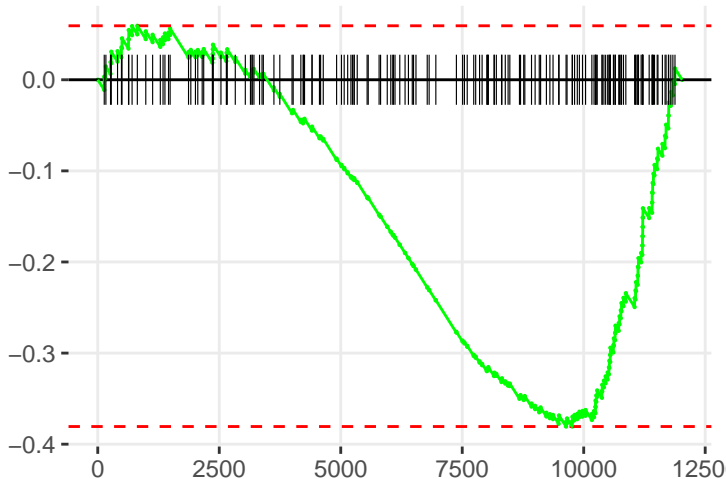
3-CHLOROACRYLIC ACID DEGRADATION



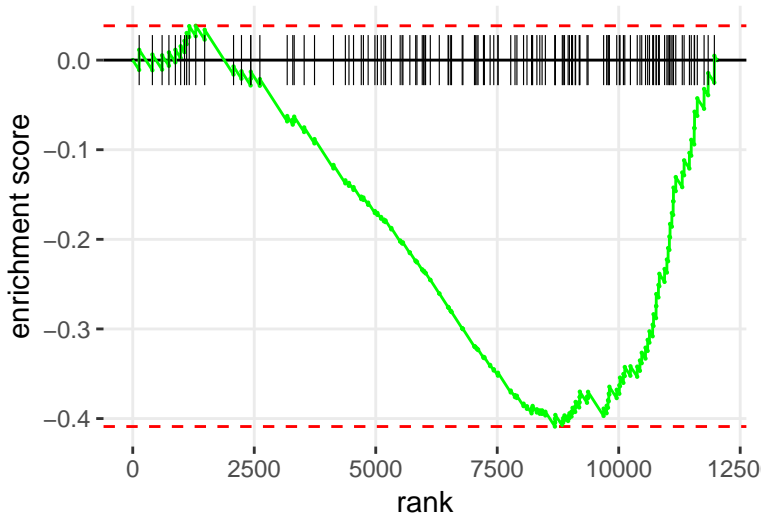
ROS DETOXIFICATION

enrichment score

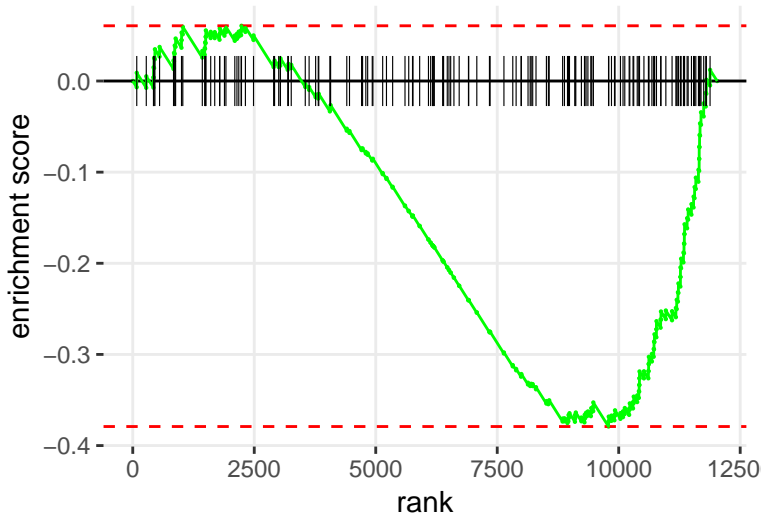
rank



NUCLEOTIDE SUGAR METABOLISM



VITAMIN H (BIOTIN) METABOLISM



HISTIDINE METABOLISM

enrichment score

rank

0.0

-0.1

-0.2

-0.3

0

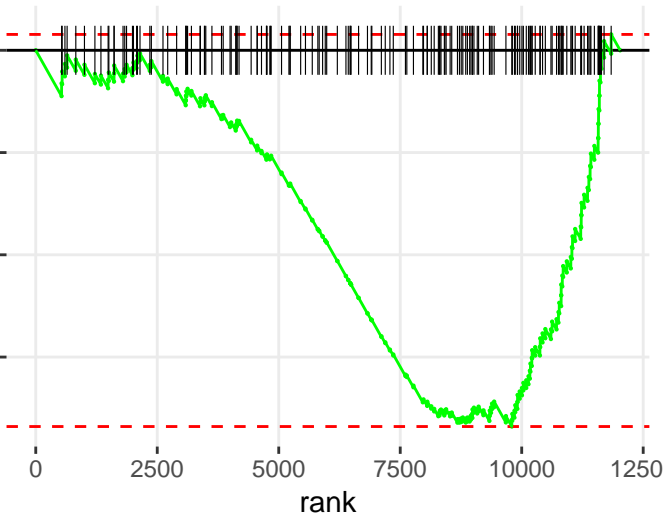
2500

5000

7500

10000

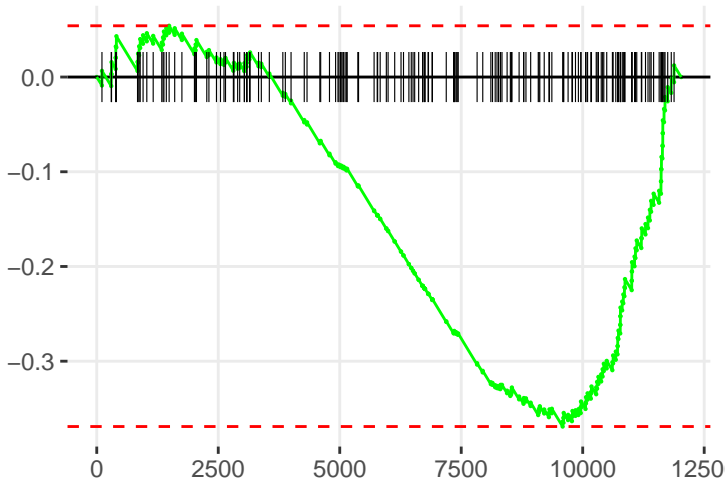
12500



NITROGEN METABOLISM

enrichment score

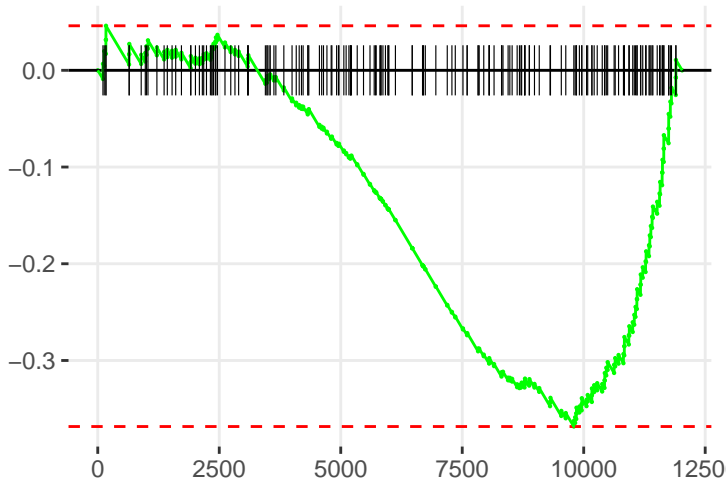
rank



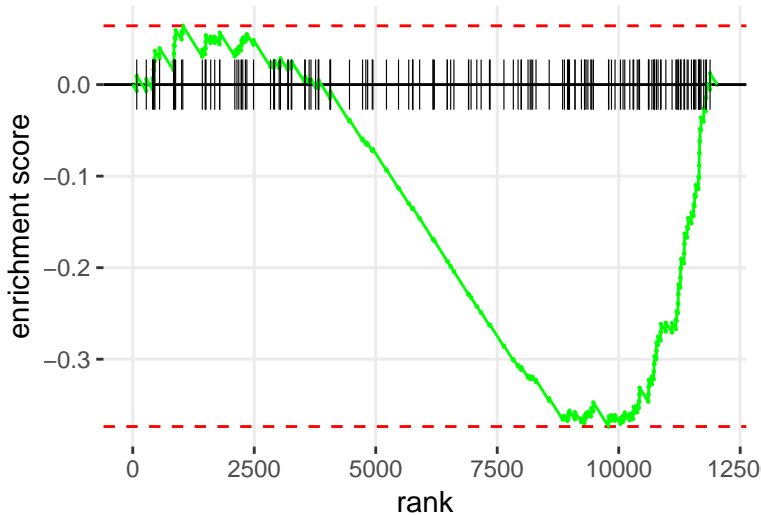
ALANINE AND ASPARTATE METABOLISM

enrichment score

rank



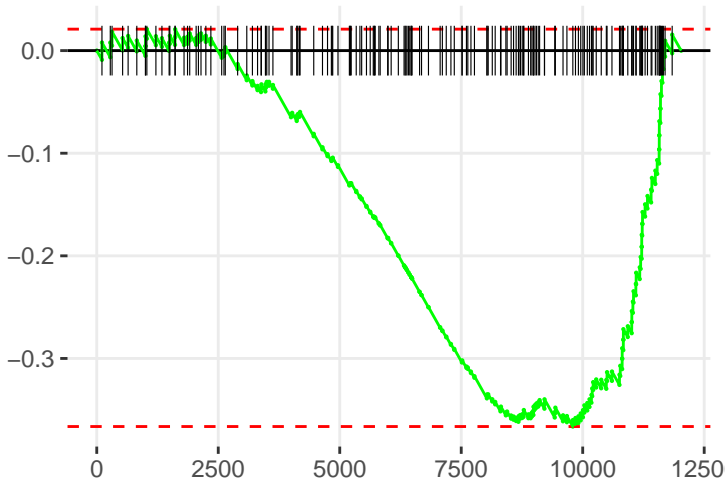
VITAMIN B12 (CYANOCOBALAMIN) METABOLISM



BETA-ALANINE METABOLISM

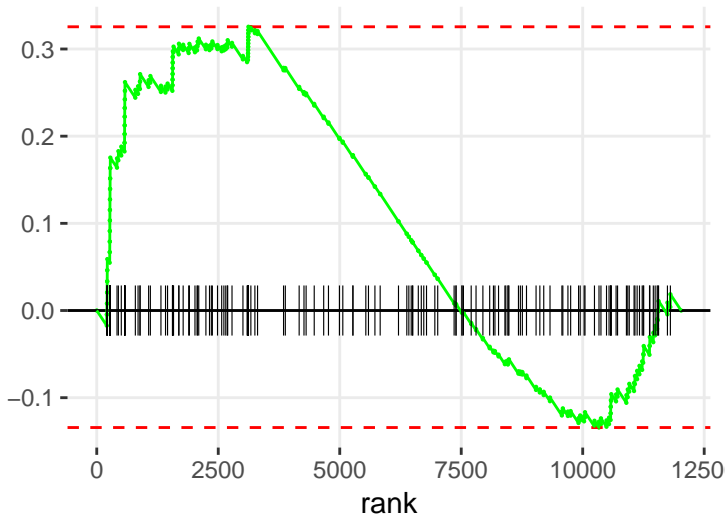
enrichment score

rank

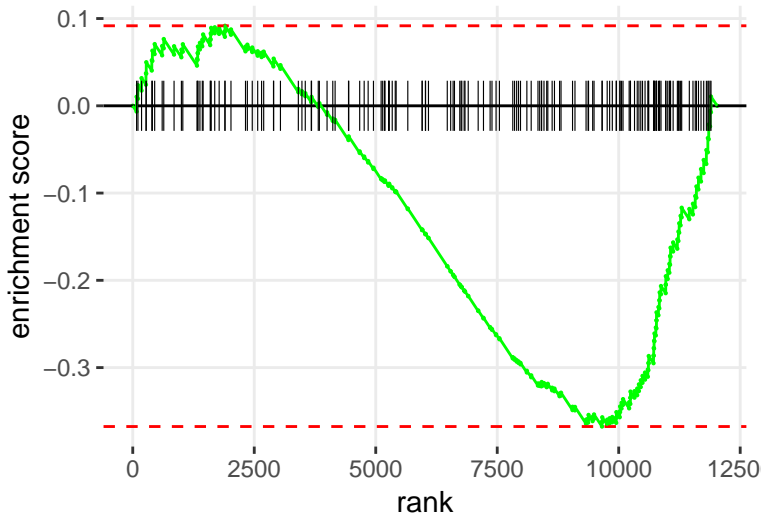


ARACHIDONIC ACID METABOLISM

enrichment score



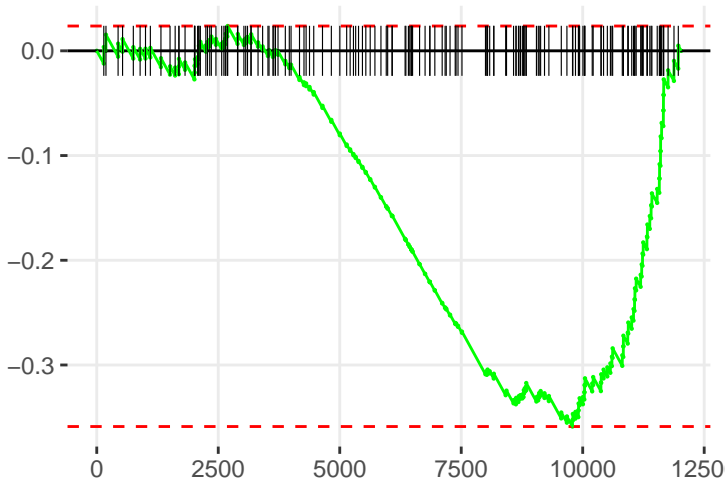
PROSTAGLANDIN FORMATION FROM DIHOMO GAMMA-LINOLEIC ACID



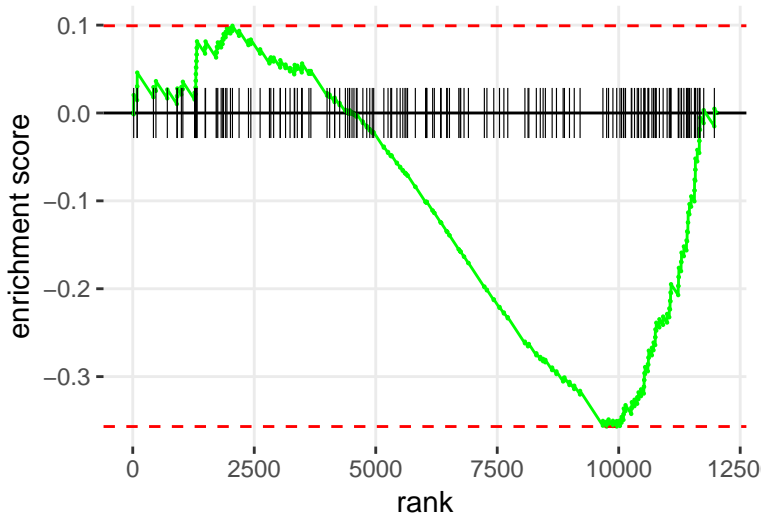
PHYTANIC ACID PEROXISOMAL OXIDATION

enrichment score

rank



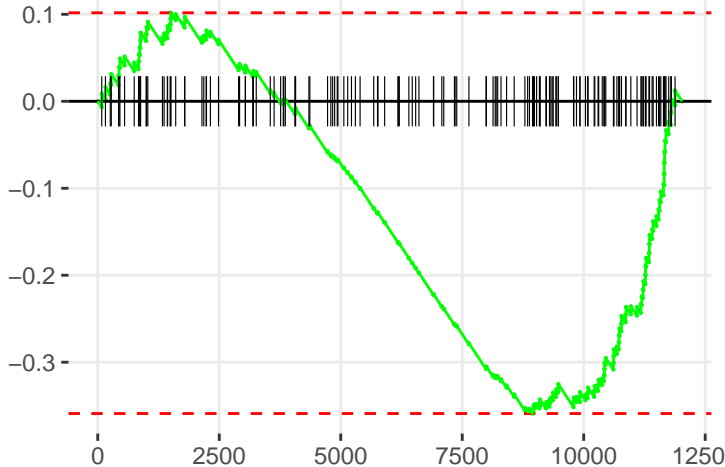
FRUCTOSE AND MANNOSE METABOLISM



SPHINGOLIPID METABOLISM

enrichment score

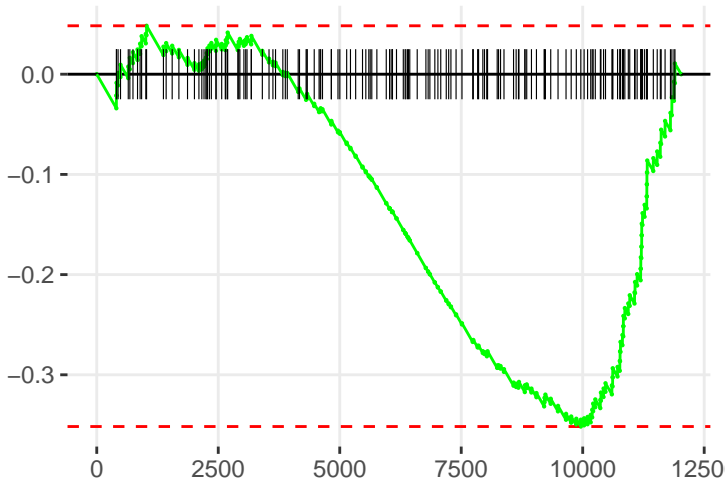
rank



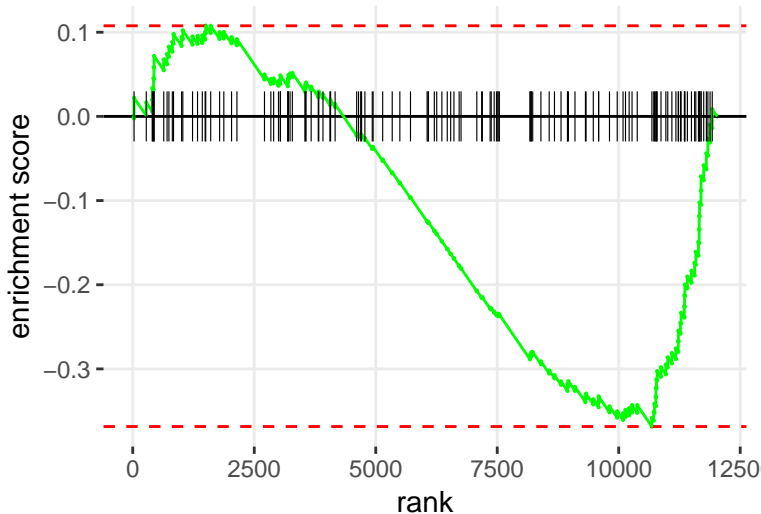
DIMETHYL-BRANCHED-CHAIN FATTY ACID MITOCHONDRIAL BETA-OXIDATION

enrichment score

rank



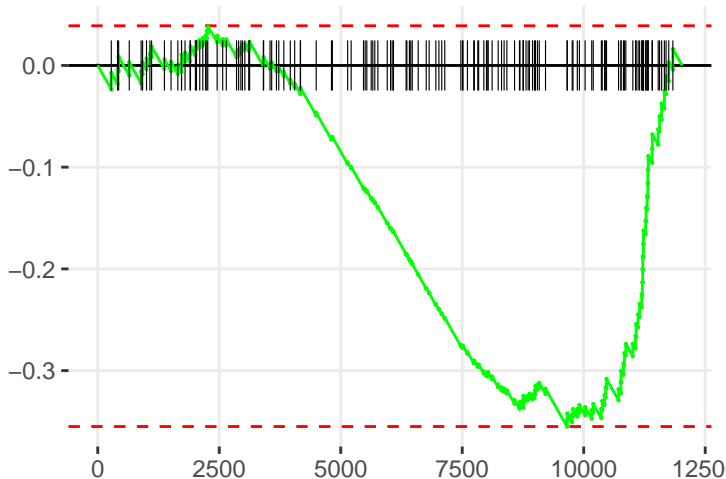
GLYCOSPHINGOLIPID BIOSYNTHESIS – GLOBOSERIES



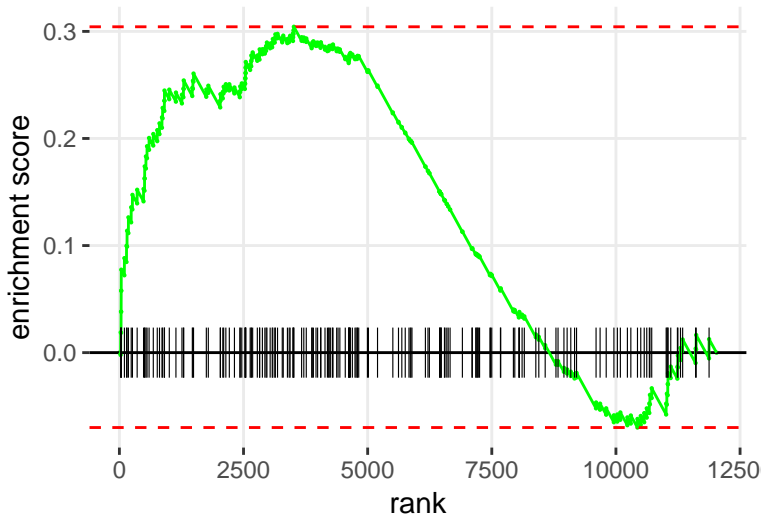
TRIHYDROXYCOPROSTANOYL-COA BETA-OXIDATION

enrichment score

rank



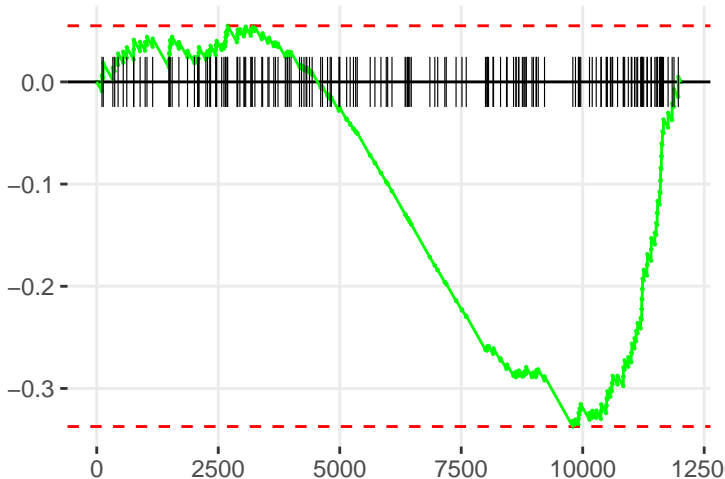
PYRIMIDINE METABOLISM



OMEGA-3 FATTY ACID METABOLISM

enrichment score

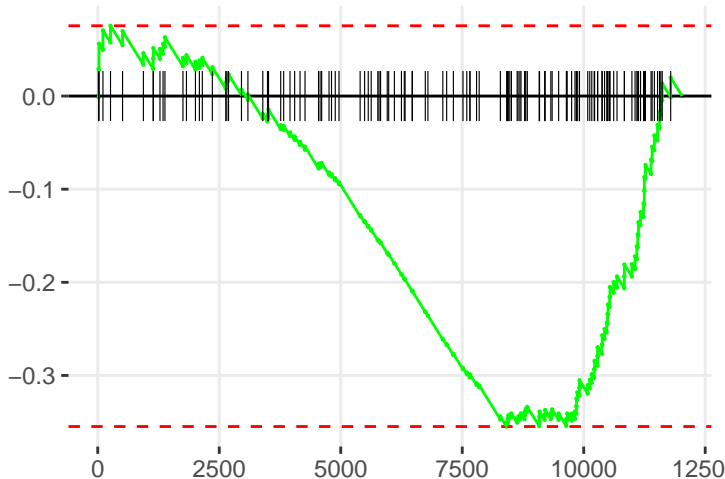
rank



DRUG METABOLISM – OTHER ENZYMES

enrichment score

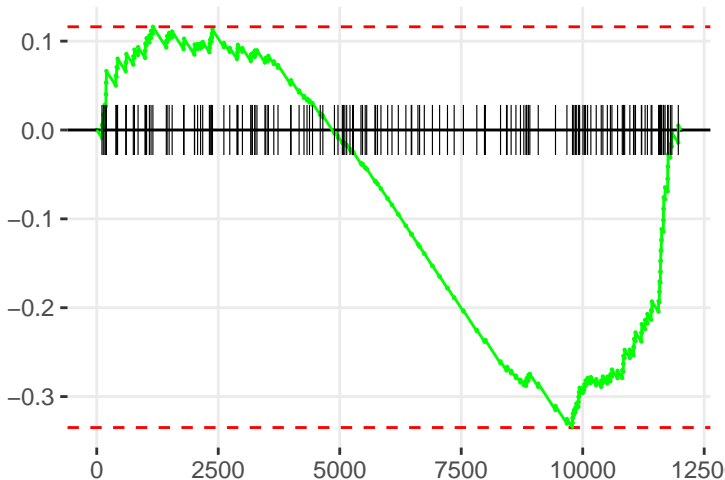
rank



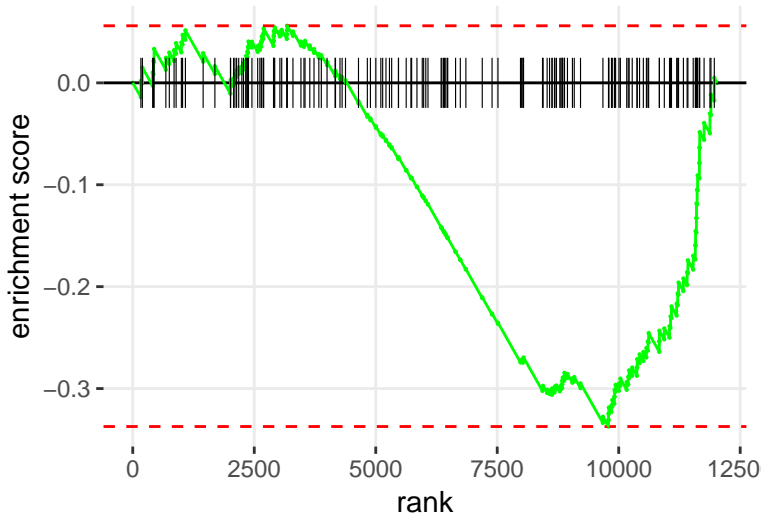
FATTY ACID ACTIVATION

enrichment score

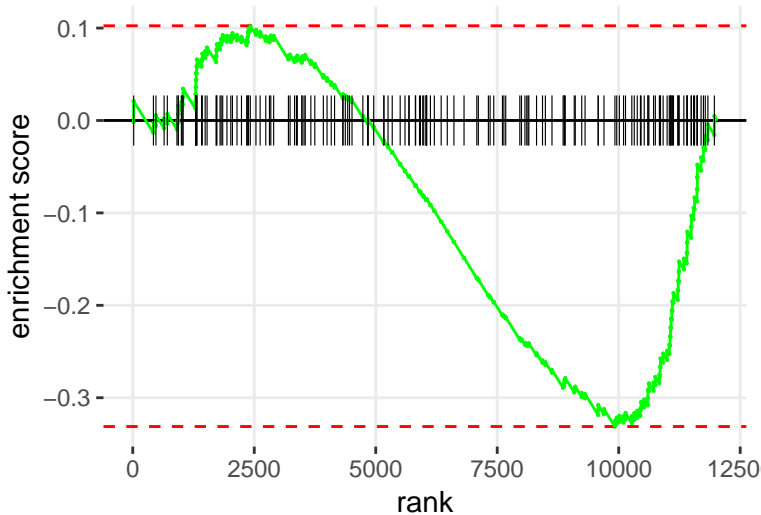
rank



MONO-UNSATURATED FATTY ACID BETA-OXIDATION

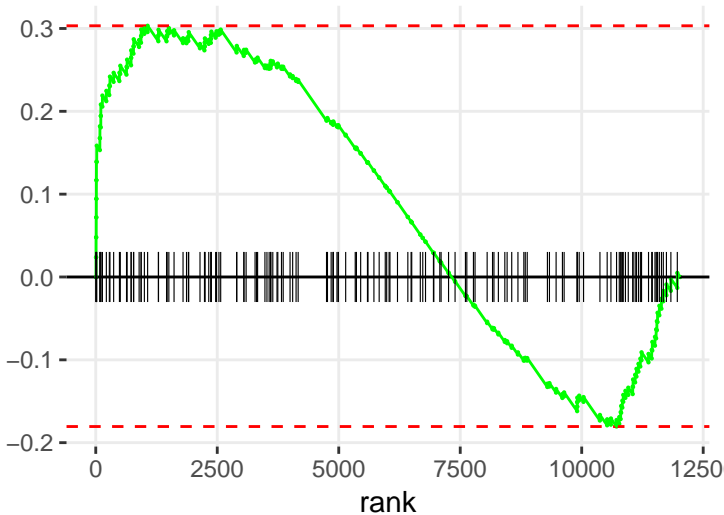


GLYCOLYSIS AND GLUCONEOGENESIS



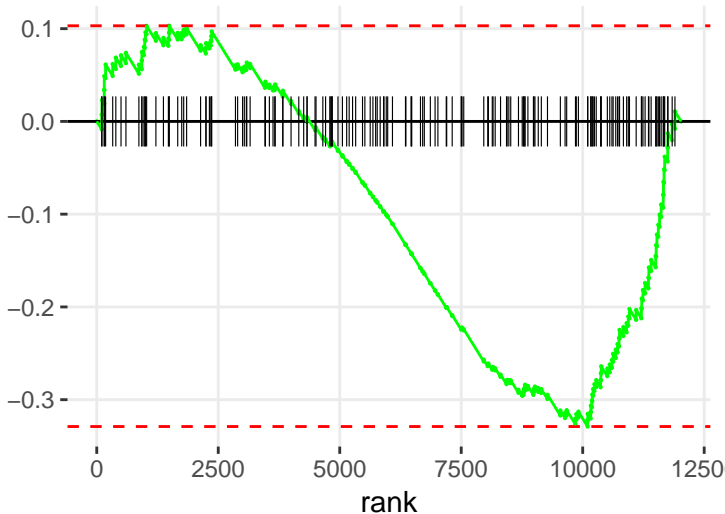
TRYPTOPHAN METABOLISM

enrichment score

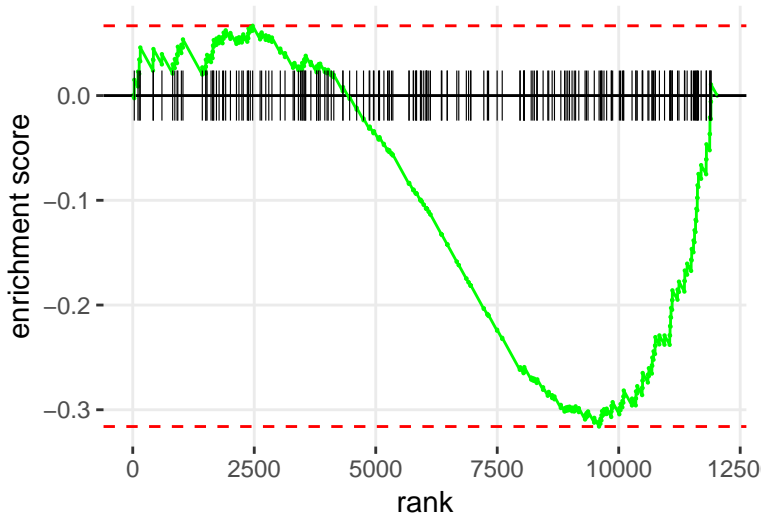


VITAMIN B9 (FOLATE) METABOLISM

enrichment score



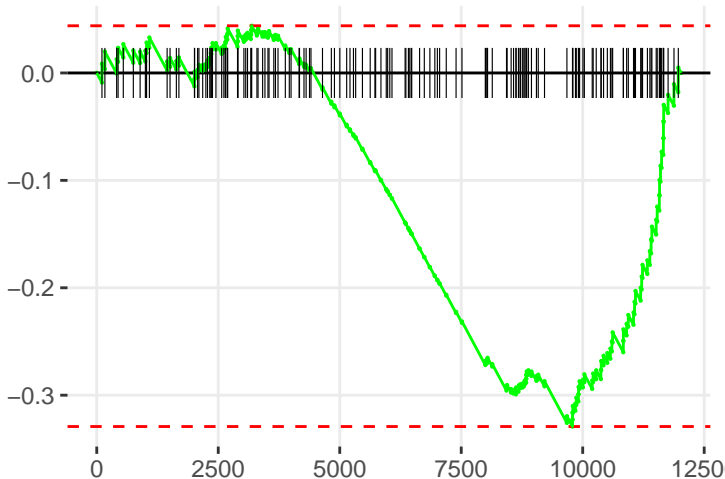
GLYCINE, SERINE, ALANINE AND THREONINE METABOLISM



DI-UNSATURATED FATTY ACID BETA-OXIDATION

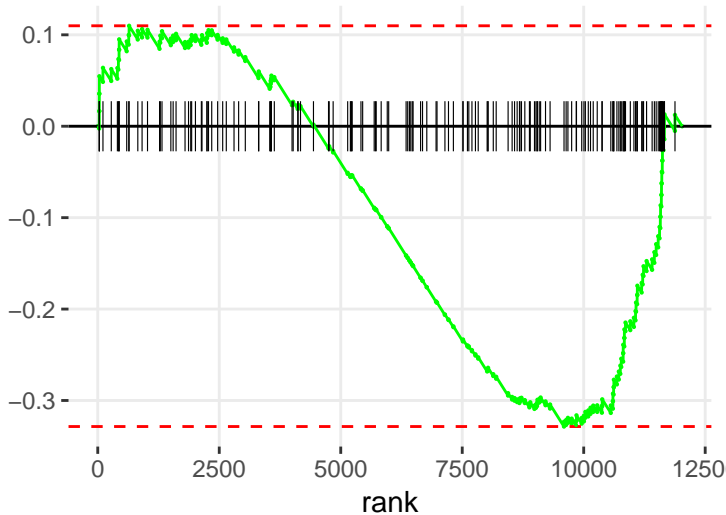
enrichment score

rank



BUTANOATE METABOLISM

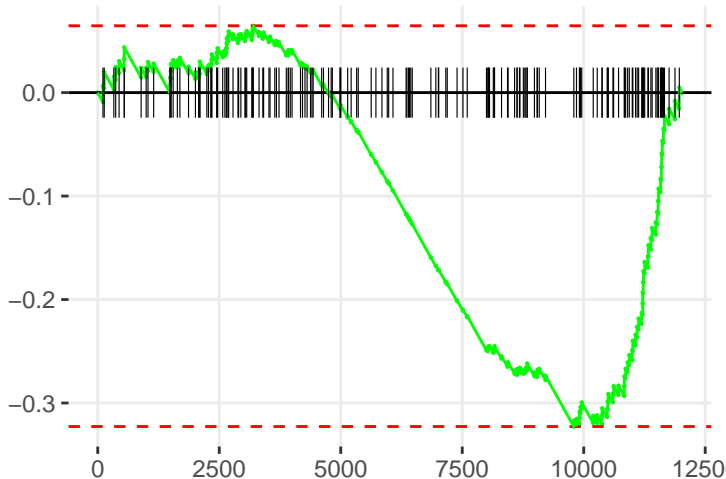
enrichment score



OMEGA-6 FATTY ACID METABOLISM

enrichment score

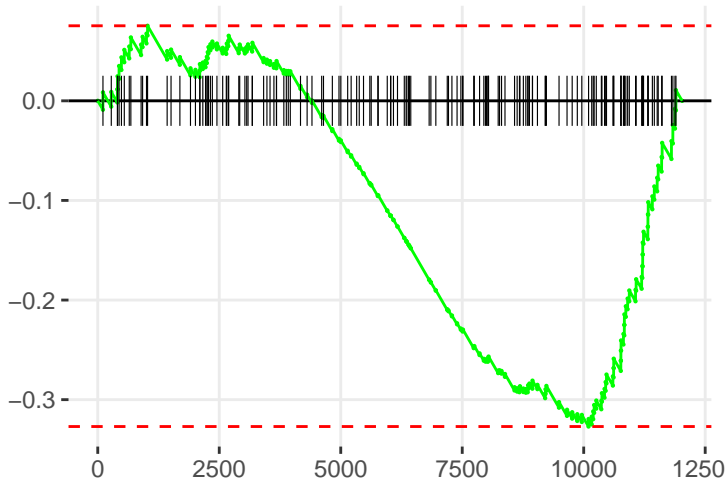
rank



3-OXO-10R-OCTADECATRIENOATE BETA-OXIDATION

enrichment score

rank



BILE ACID BIOSYNTHESIS

enrichment score

0.3

0.2

0.1

0.0

-0.1

0

2500

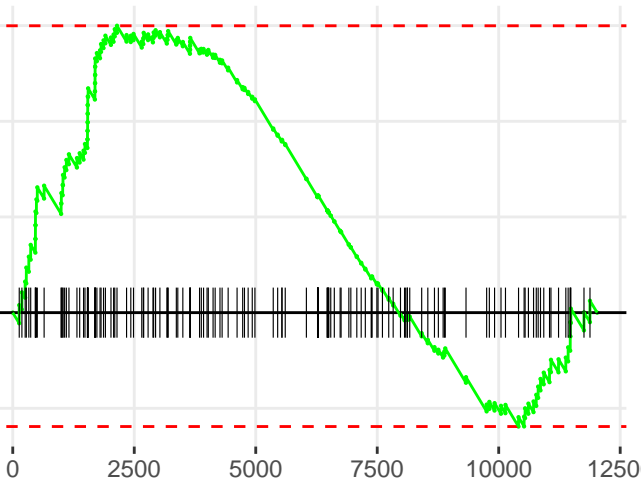
5000

7500

10000

12500

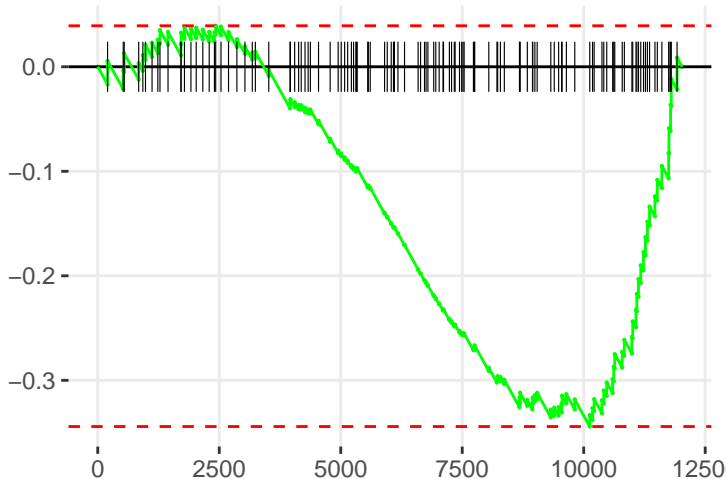
rank



HEPARAN SULFATE DEGRADATION

enrichment score

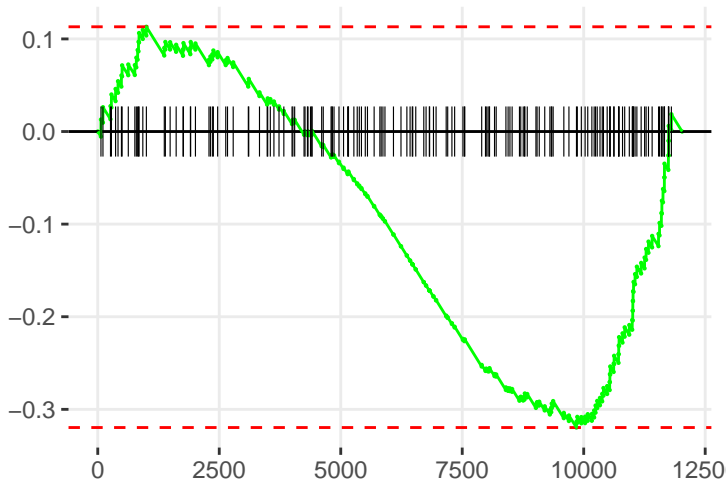
rank



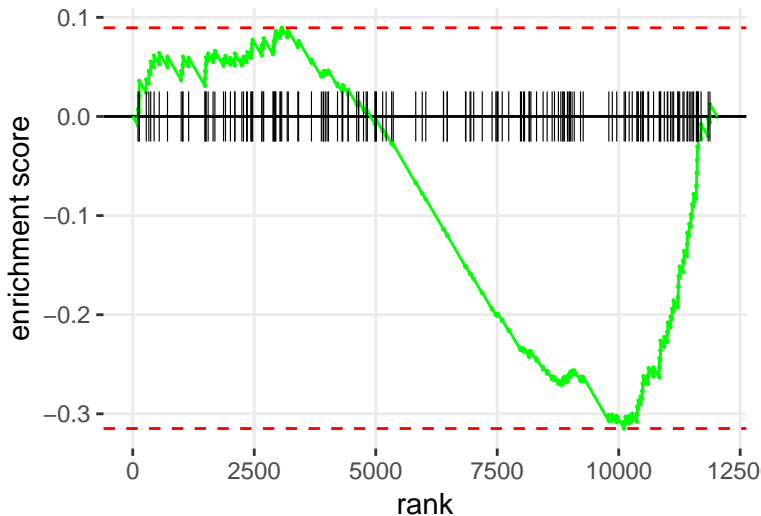
GLUTATHIONE METABOLISM

enrichment score

rank



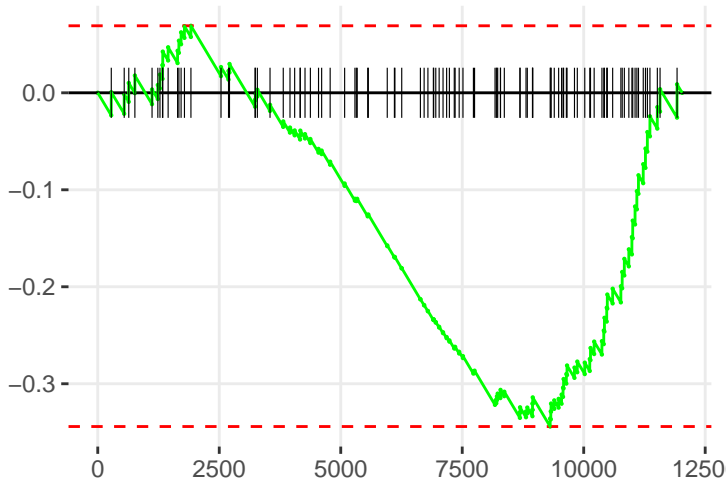
POLYUNSATURATED FATTY ACID BIOSYNTHESIS



HYALURONAN METABOLISM

enrichment score

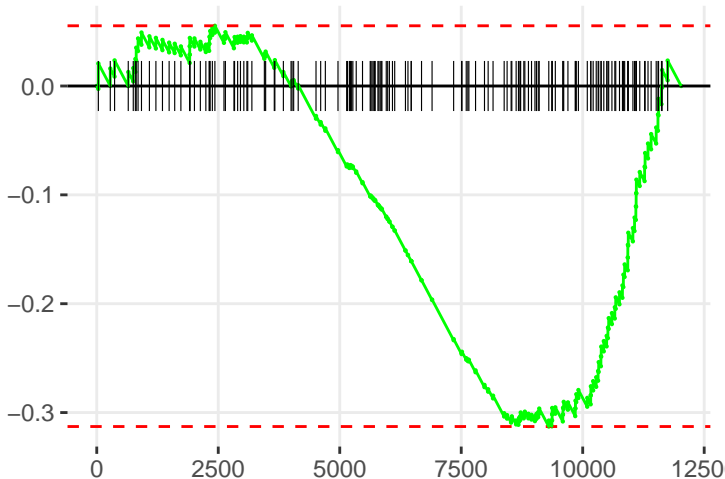
rank



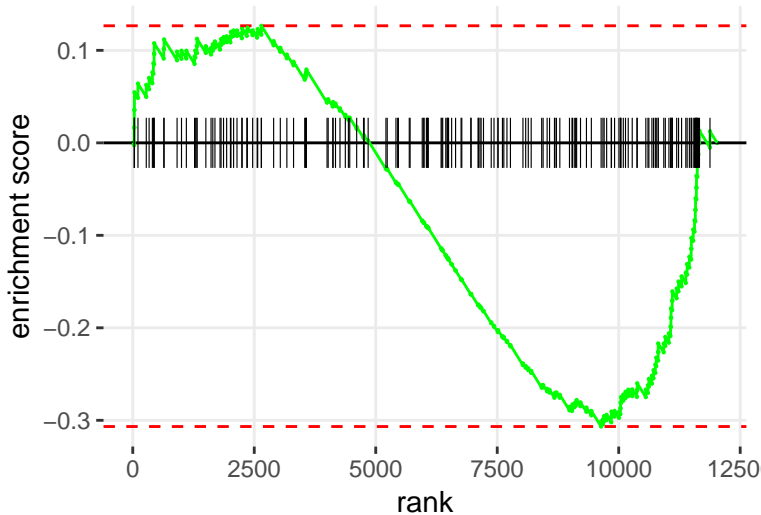
GLUTAMATE METABOLISM

enrichment score

rank



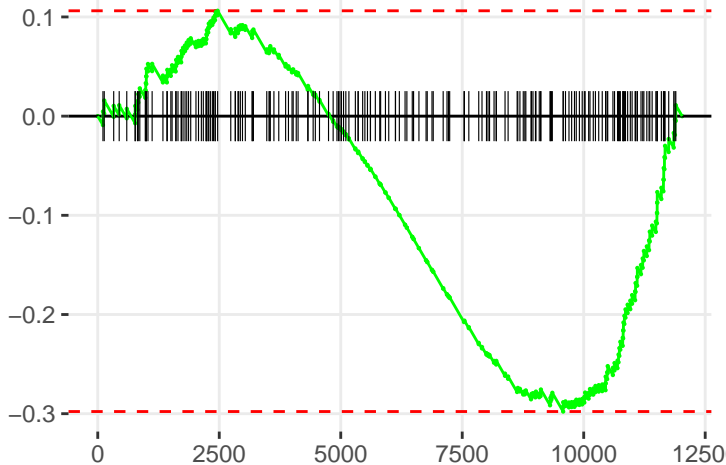
PROPANOATE METABOLISM



TCA CYCLE

enrichment score

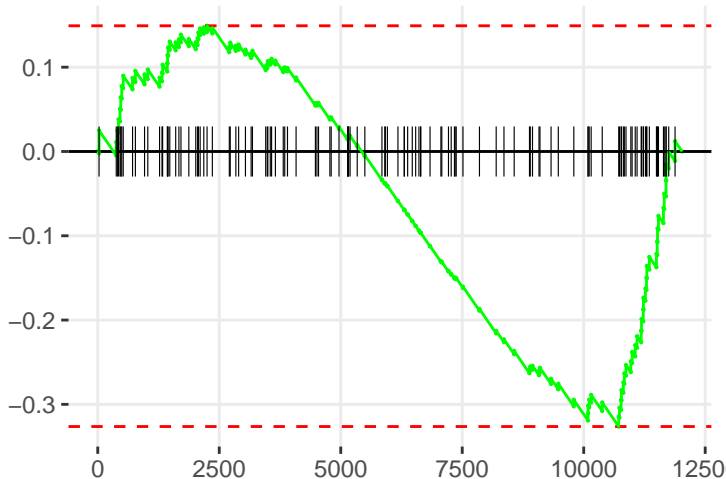
rank



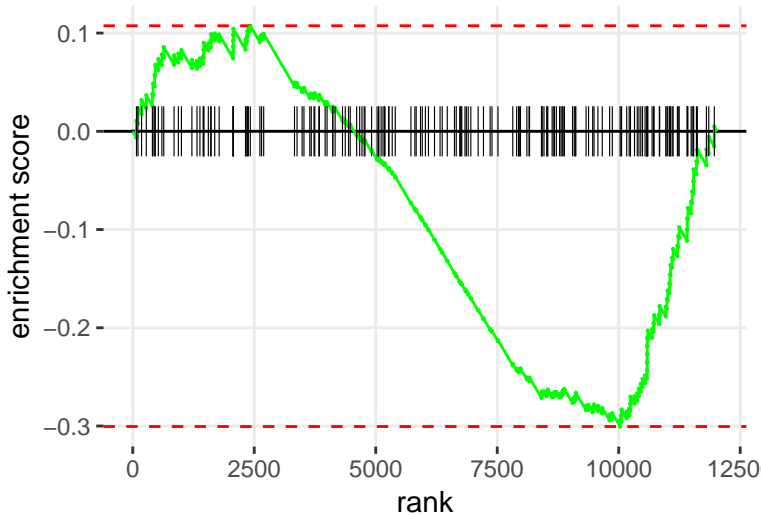
KERATAN SULFATE BIOSYNTHESIS

enrichment score

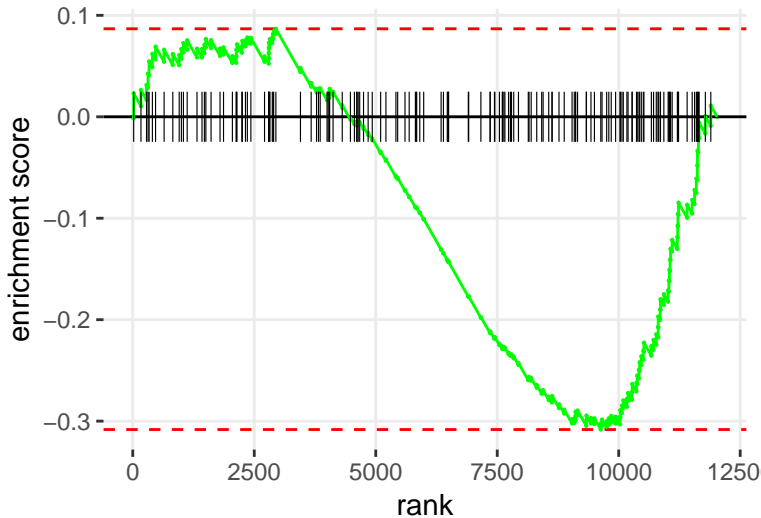
rank



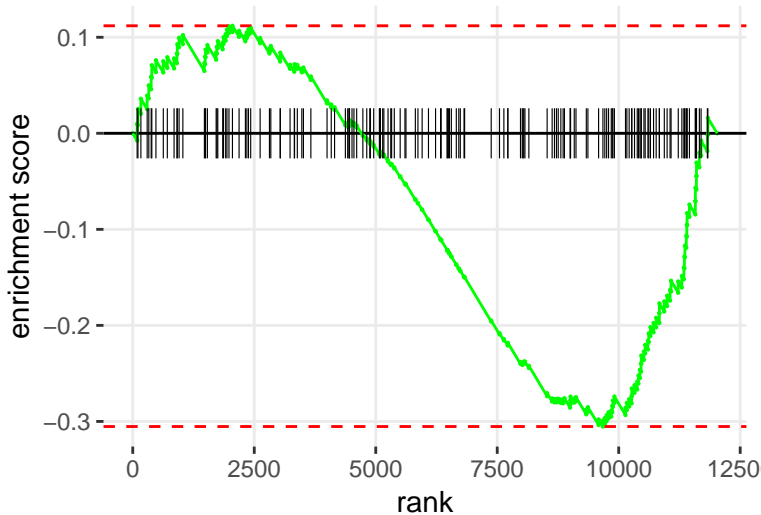
PUTATIVE ANTI-INFLAMMATORY METABOLITES FORMATION FROM EPA



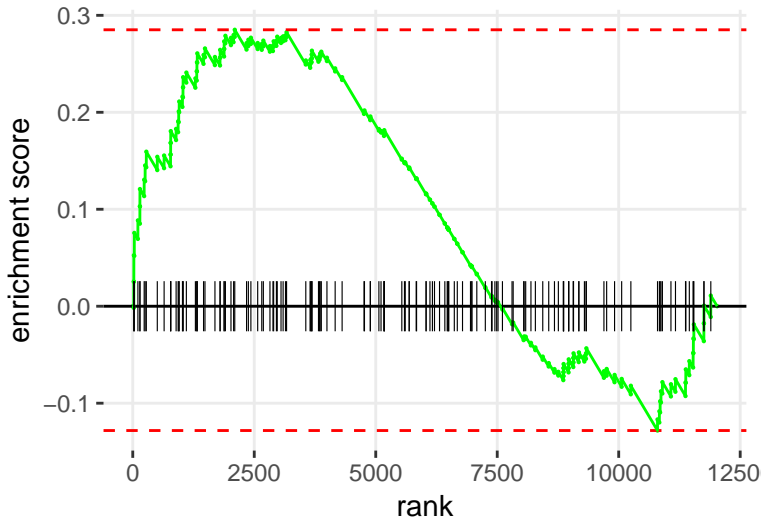
ARGININE AND PROLINE METABOLISM



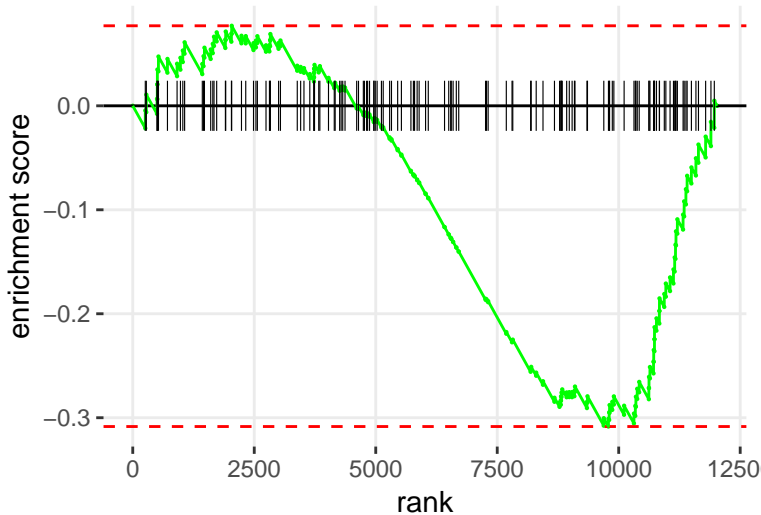
BENZOATE DEGRADATION VIA COA LIGATION



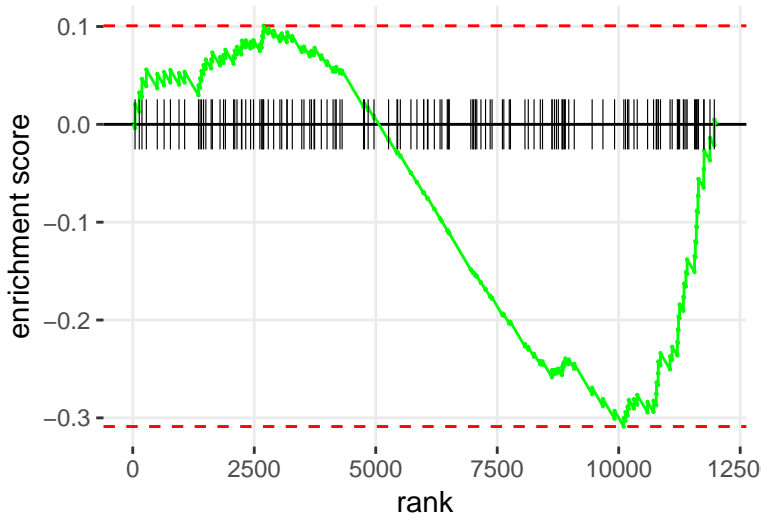
TYROSINE METABOLISM



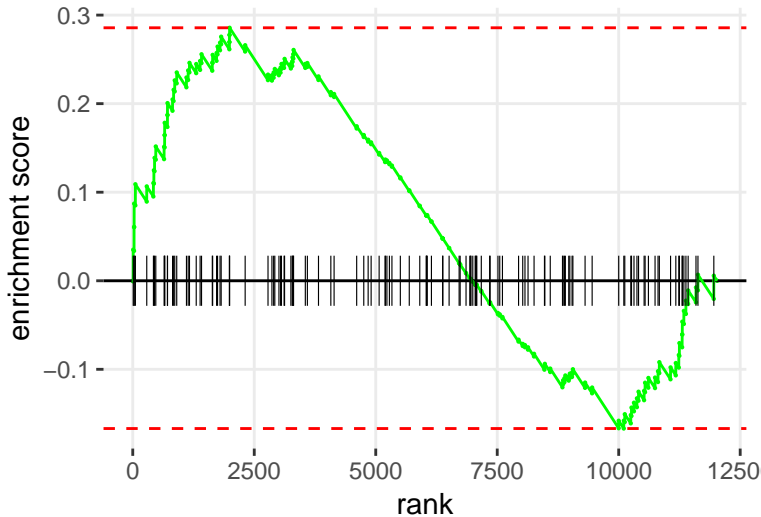
PARATHIO DEGRADATION



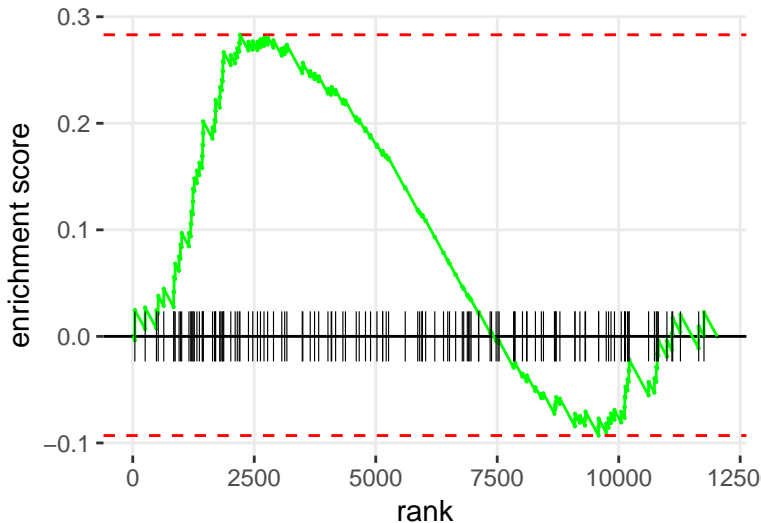
FATTY ACID METABOLISM



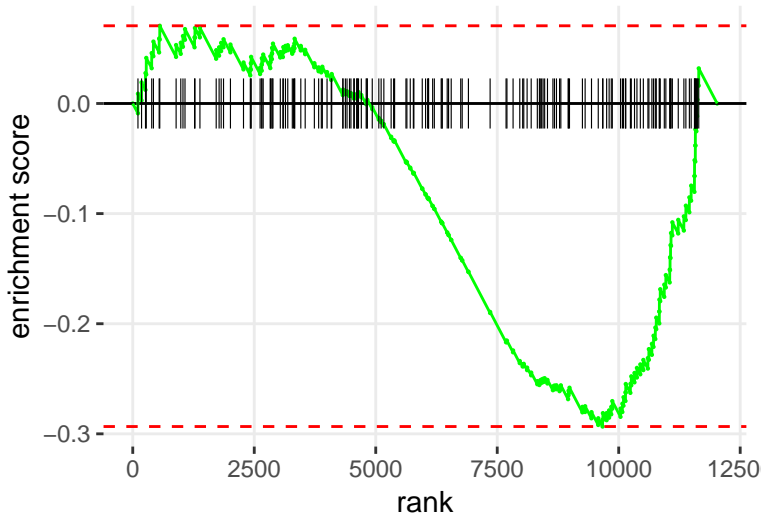
GLYCEROPHOSPHOLIPID METABOLISM



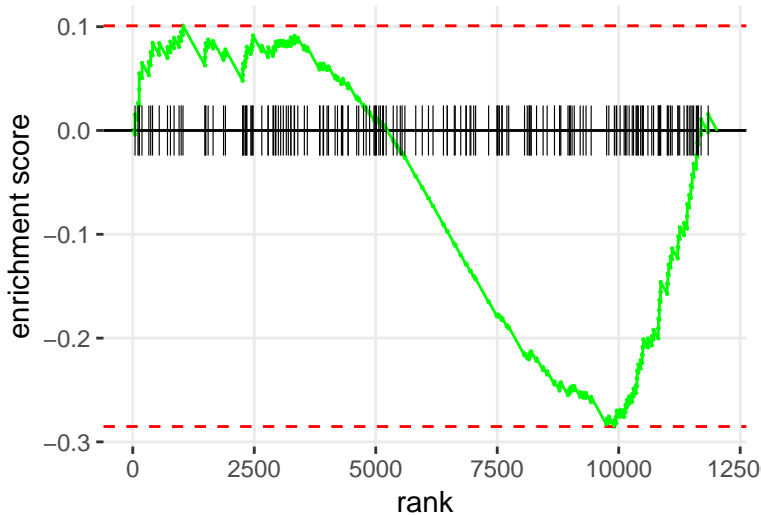
PROTEOGLYCAN BIOSYNTHESIS



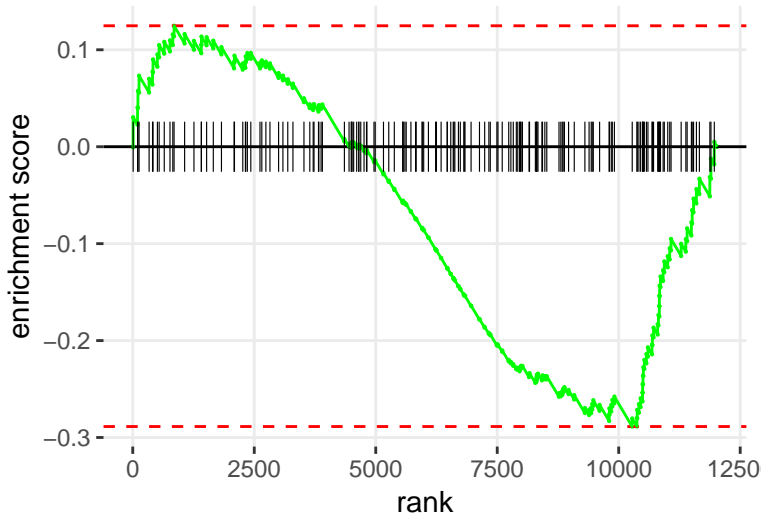
GLYOXYLATE AND DICARBOXYLATE METABOLISM



DE NOVO FATTY ACID BIOSYNTHESIS



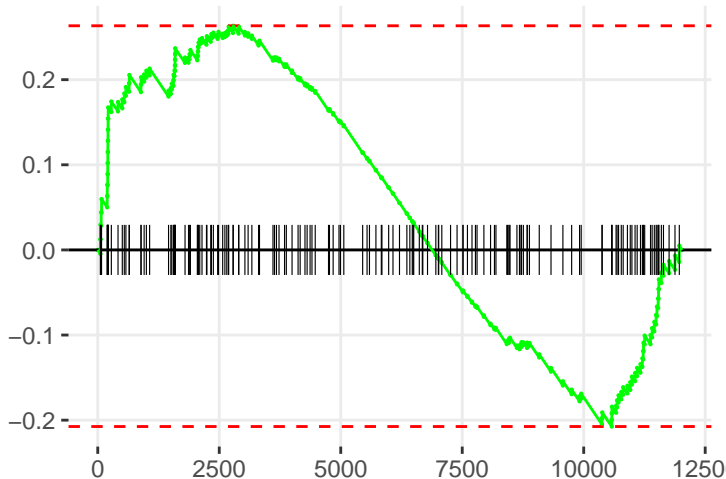
VITAMIN B3 (NICOTINATE AND NICOTINAMIDE) METABOLISM



LEUKOTRIENE METABOLISM

enrichment score

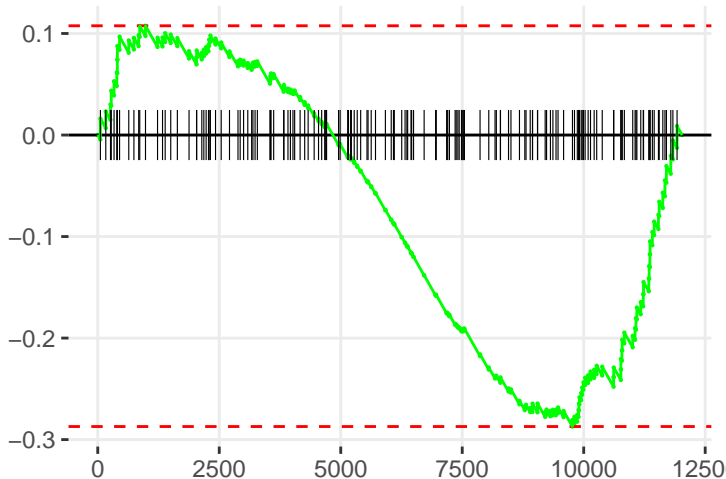
rank



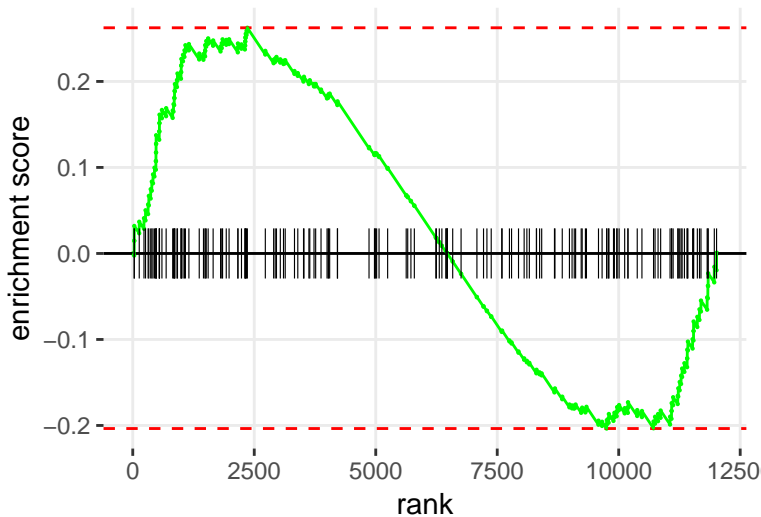
KERATAN SULFATE DEGRADATION

enrichment score

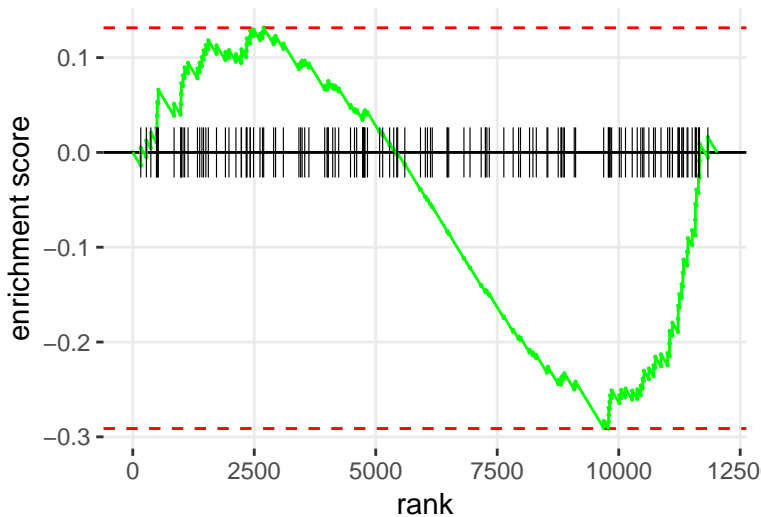
rank



SELENOAMINO ACID METABOLISM



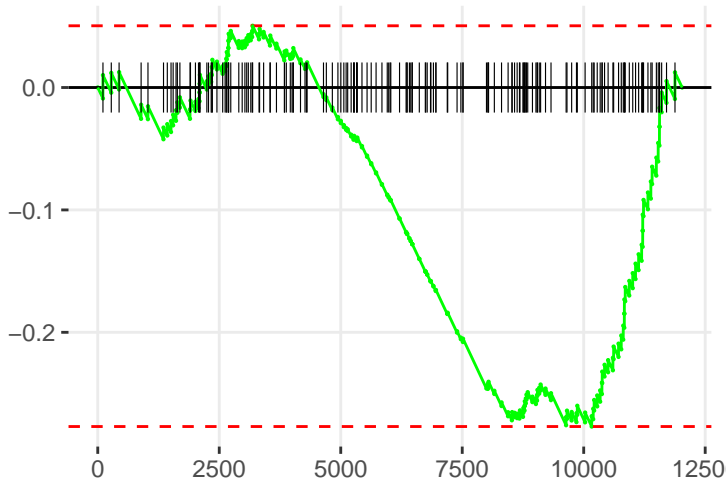
VITAMIN D3 (CHOLECALCIFEROL) METABOLISM



SATURATED FATTY ACIDS BETA-OXIDATION

enrichment score

rank



SIALIC ACID METABOLISM

enrichment score

rank

0.1
0.0
-0.1
-0.2

0

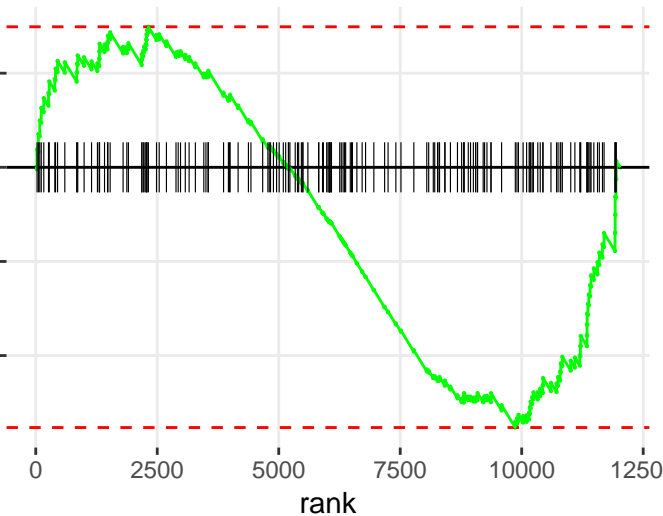
2500

5000

7500

10000

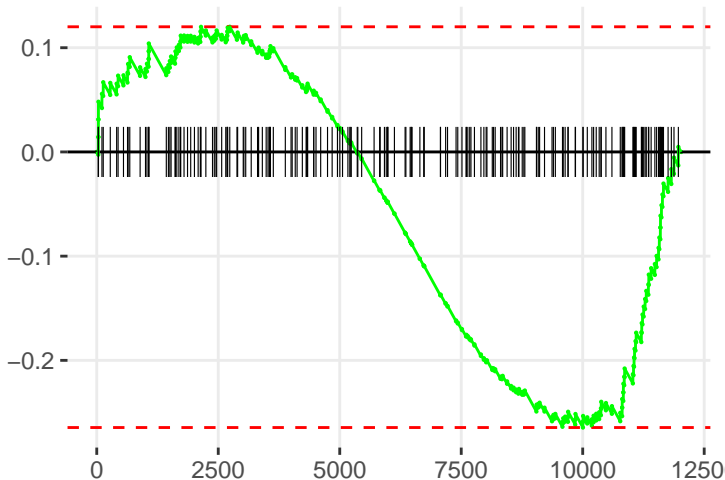
12500



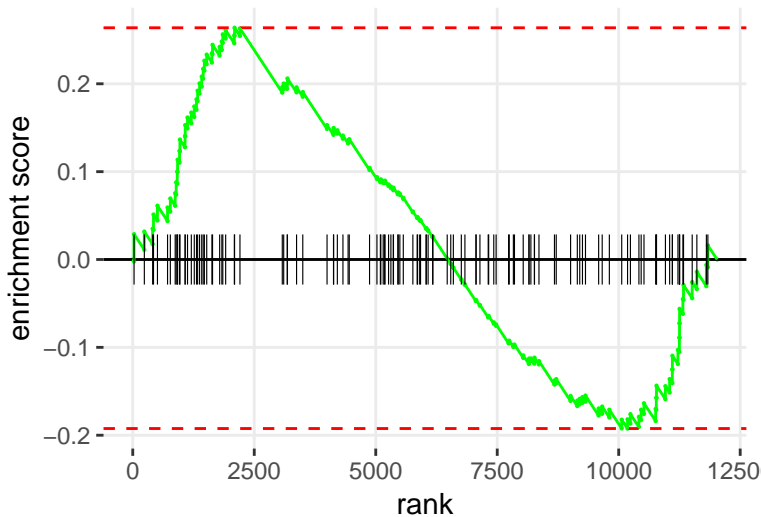
VALINE, LEUCINE AND ISOLEUCINE DEGRADATION

enrichment score

rank



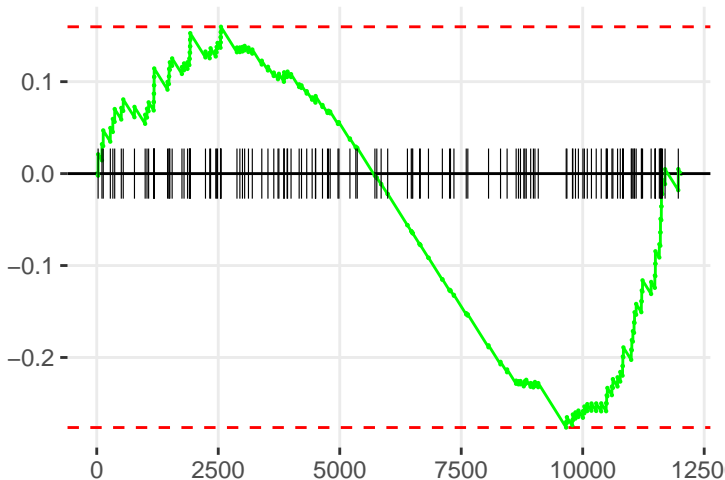
N-GLYCAN BIOSYNTHESIS



VITAMIN A (RETINOL) METABOLISM

enrichment score

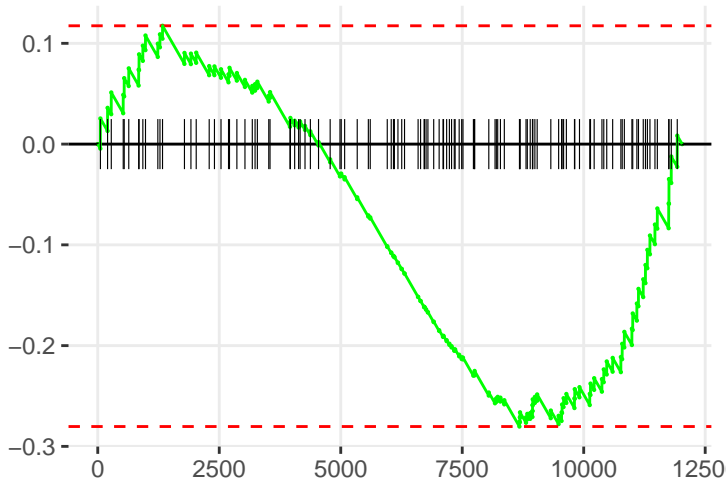
rank



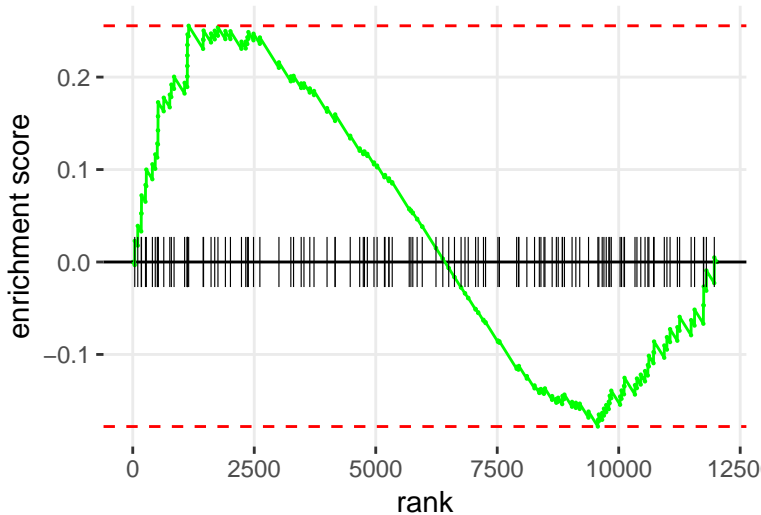
CHONDROITIN SULFATE DEGRADATION

enrichment score

rank

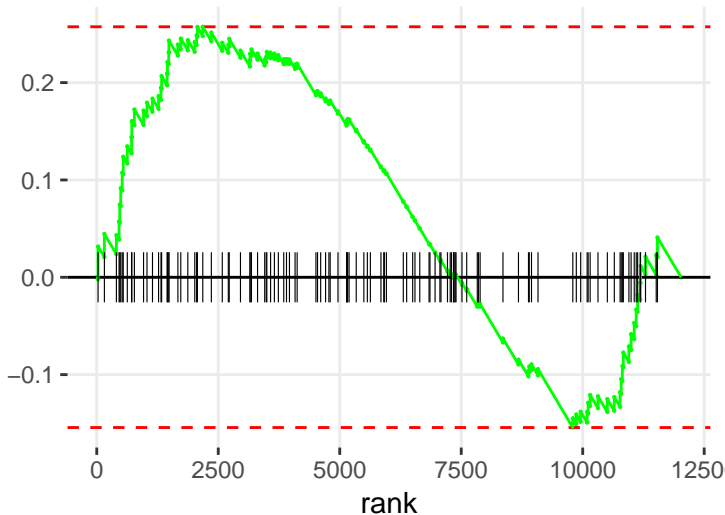


LINOLEATE METABOLISM

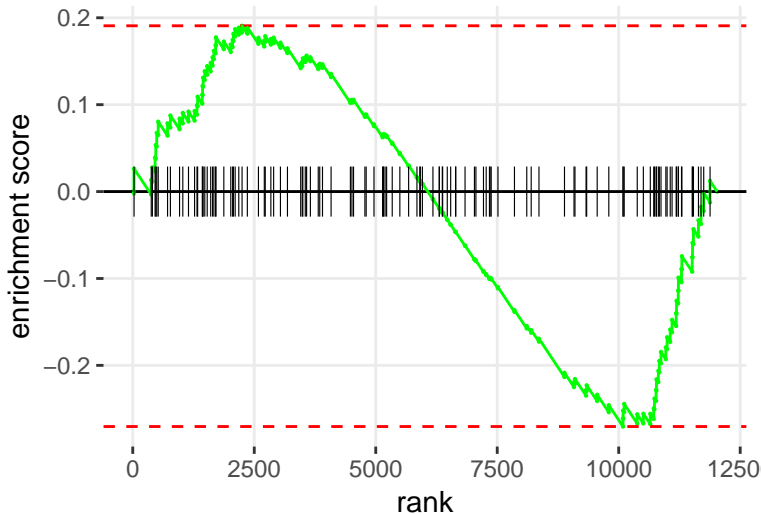


GLYCOSPHINGOLIPID BIOSYNTHESIS – LACTOSERIES

enrichment score



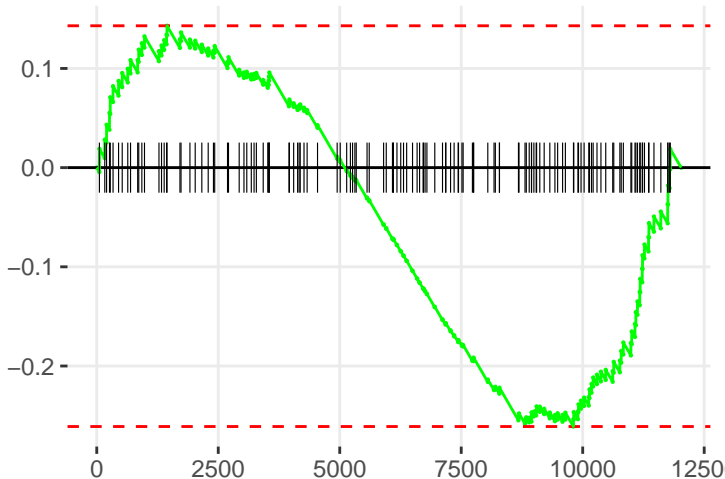
GLYCOSPHINGOLIPID BIOSYNTHESIS – NEOLACTOSERIES



GLYCOSAMINOGLYCAN DEGRADATION

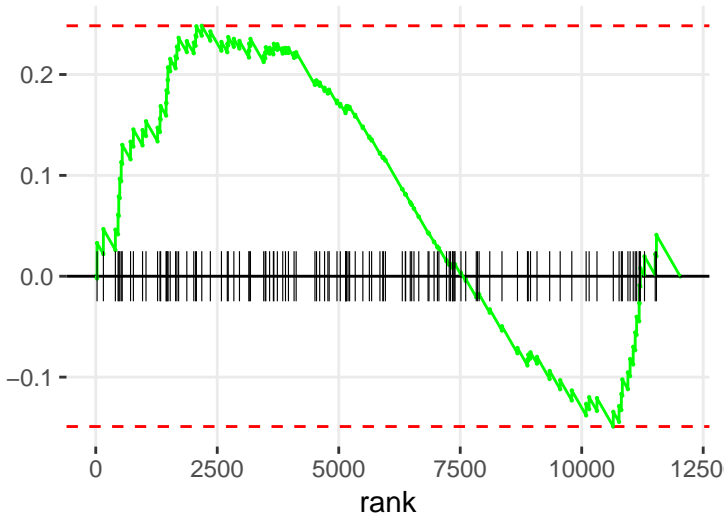
enrichment score

rank

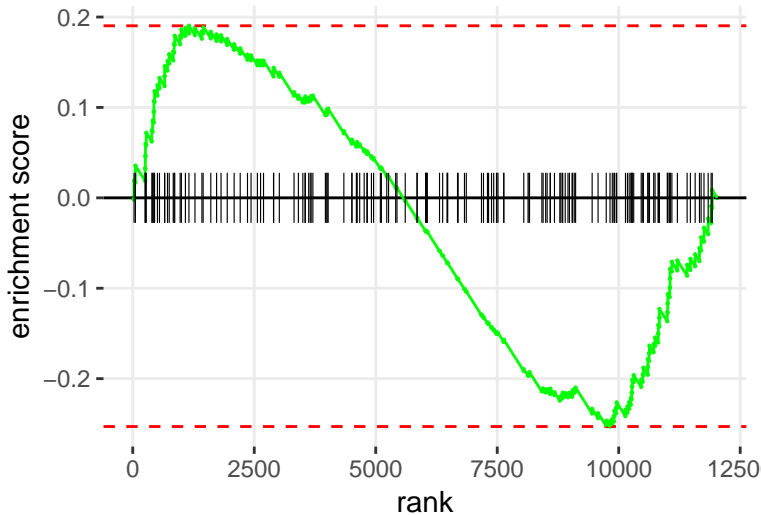


BLOOD GROUP BIOSYNTHESIS

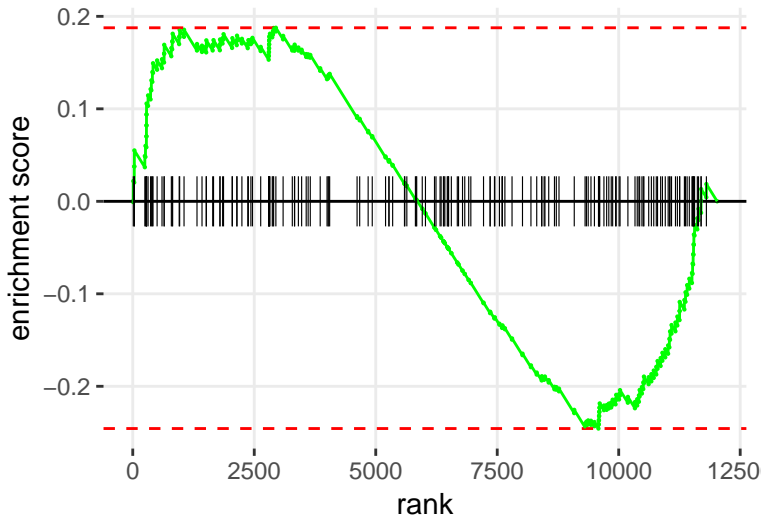
enrichment score



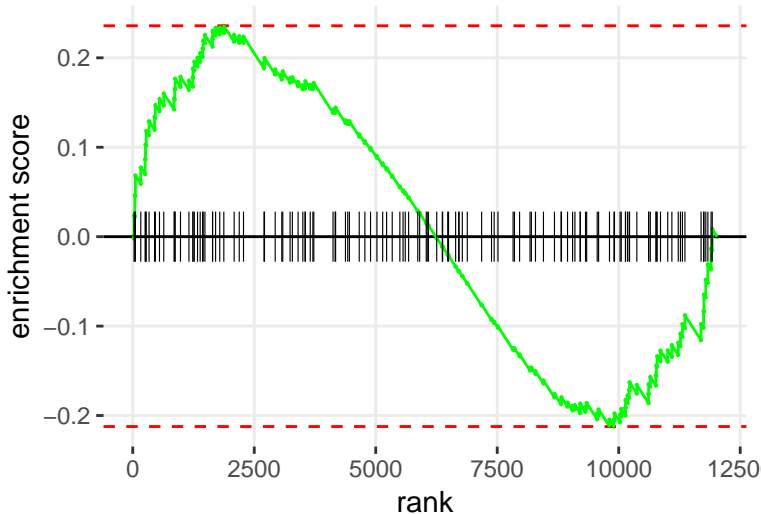
GLYCOSPHINGOLIPID METABOLISM



ASPARTATE AND ASPARAGINE METABOLISM



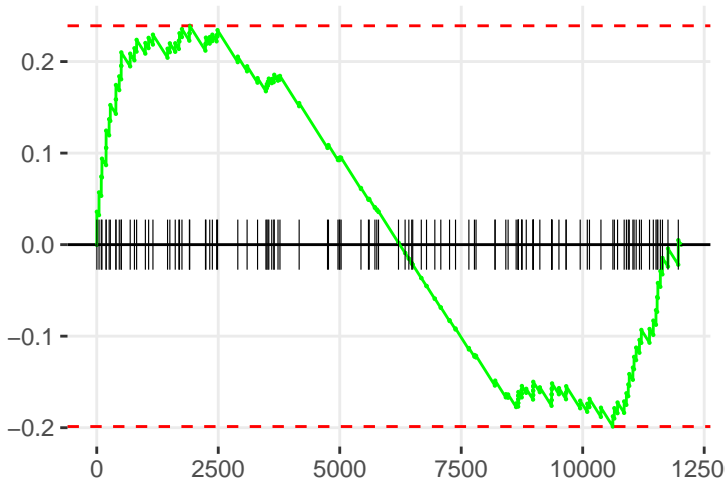
GLYCOSPHINGOLIPID BIOSYNTHESIS – GANGLIOSERIES



XENOBIOTICS METABOLISM

enrichment score

rank



HEPARAN SULFATE BIOSYNTHESIS

enrichment score

rank

0.1
0.0
-0.1
-0.2

0

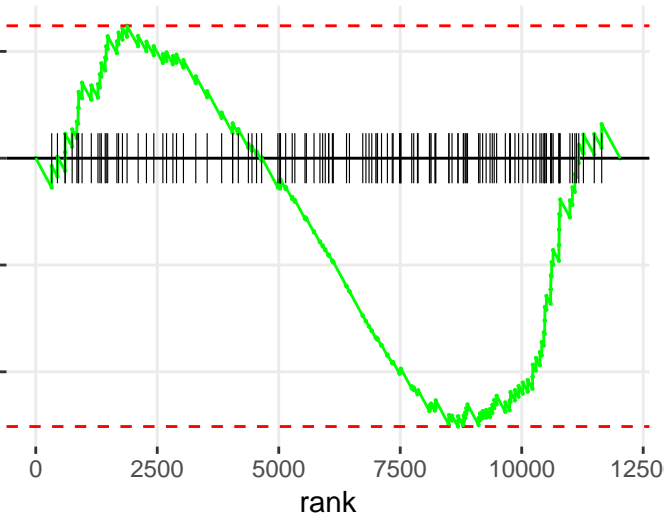
2500

5000

7500

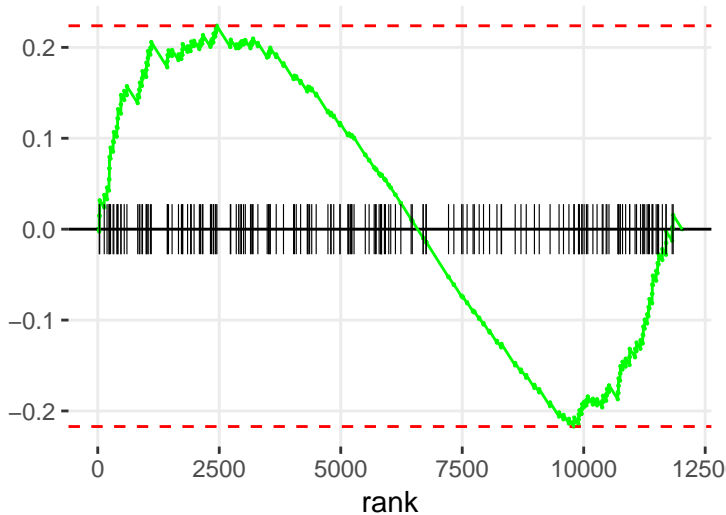
10000

12500

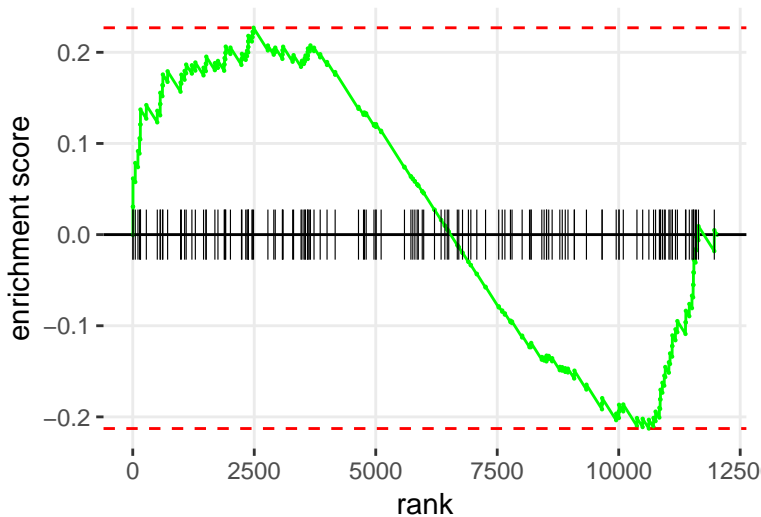


METHIONINE AND CYSTEINE METABOLISM

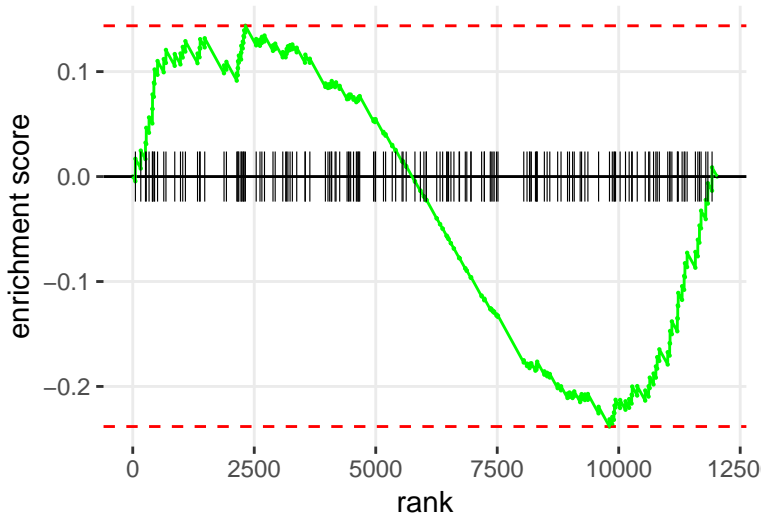
enrichment score



DRUG METABOLISM – CYTOCHROME P450



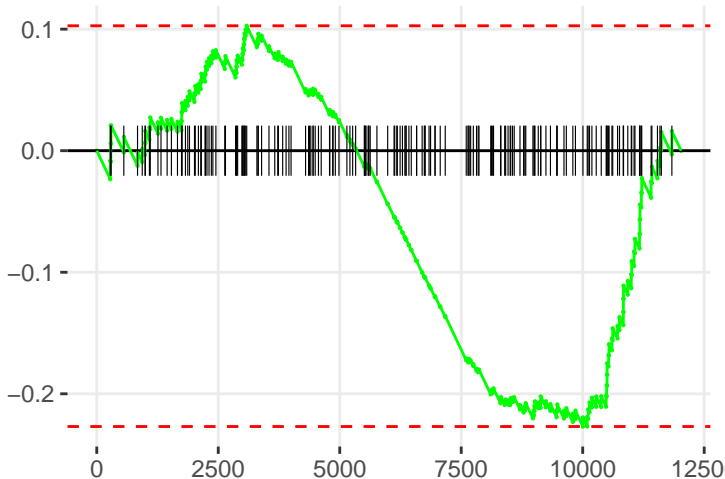
N-GLYCAN DEGRADATION



CAFFEINE METABOLISM

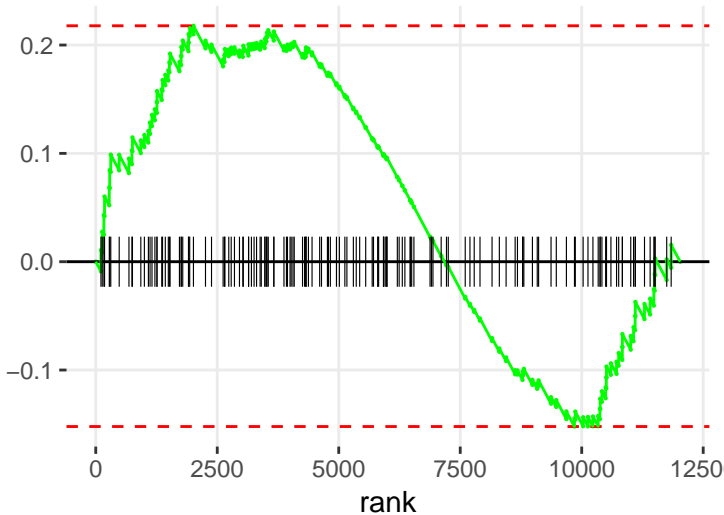
enrichment score

rank



VITAMIN B1 (THIAMIN) METABOLISM

enrichment score



PURINE METABOLISM

enrichment score

rank

0.1
0.0
-0.1
-0.2

0

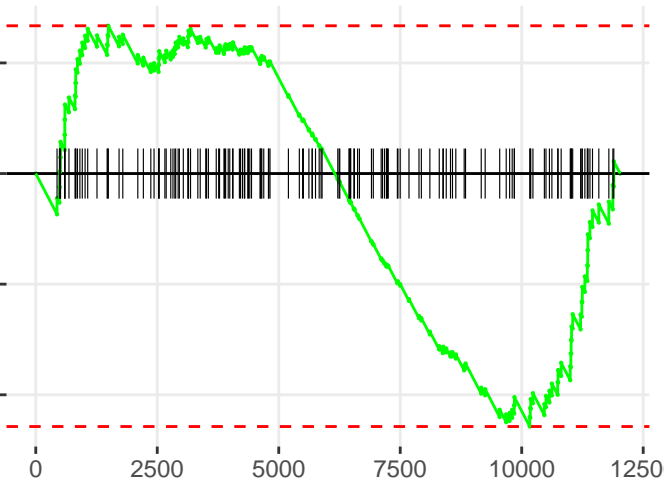
2500

5000

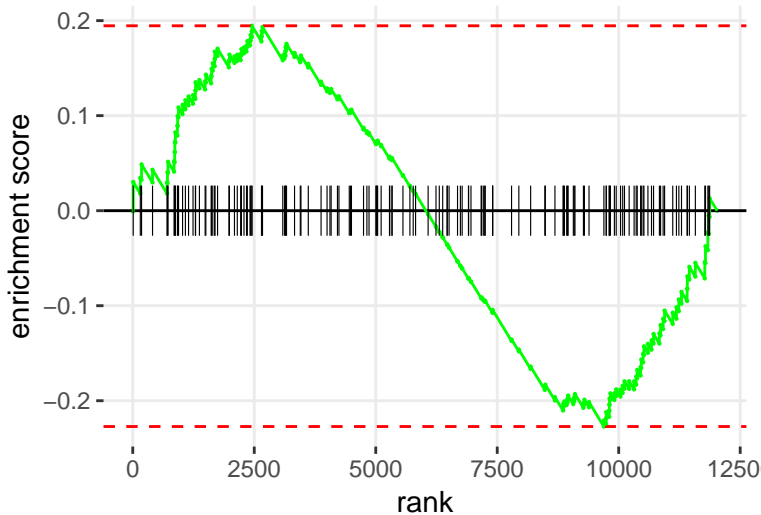
7500

10000

12500



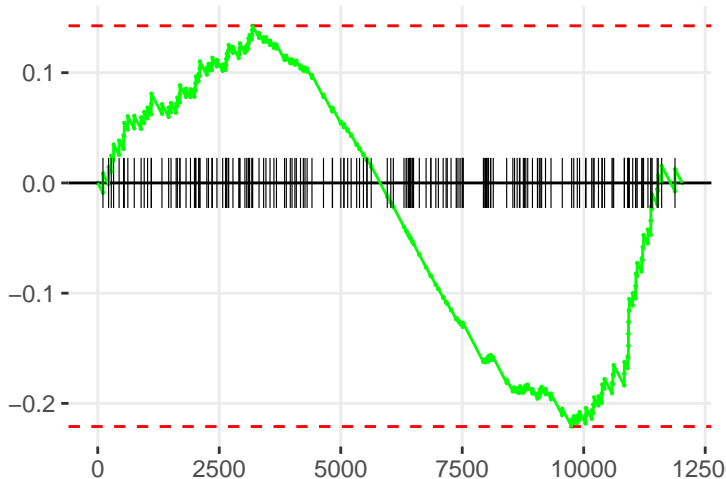
BIOPTERIN METABOLISM



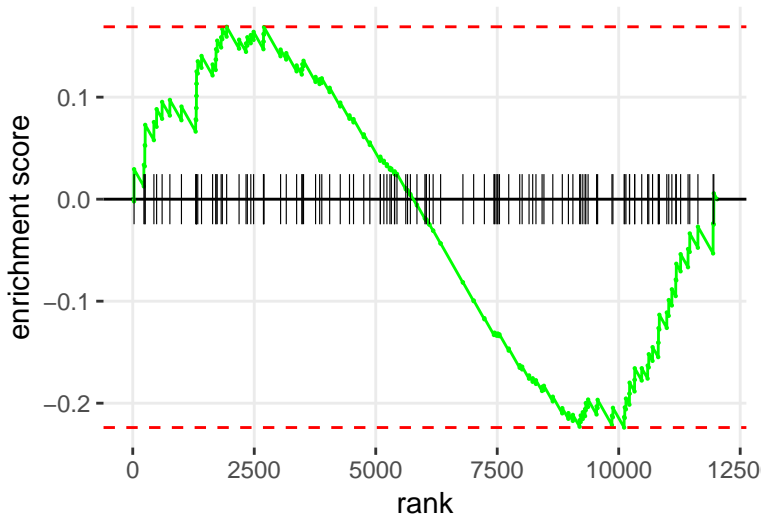
VITAMIN E METABOLISM

enrichment score

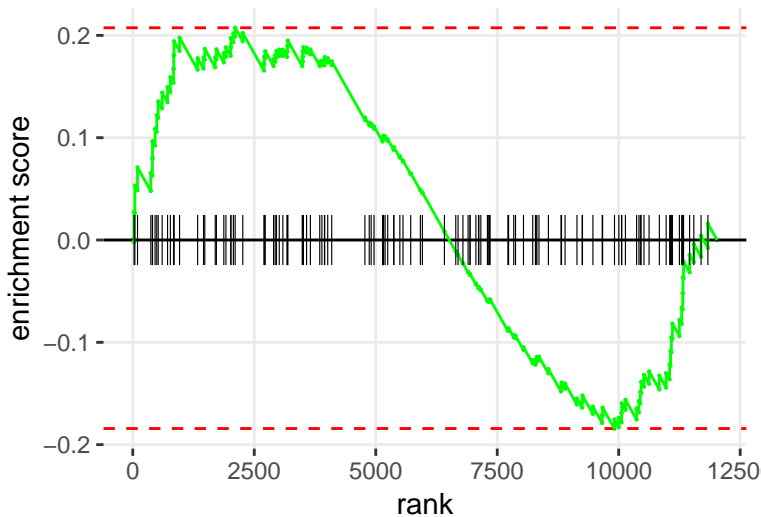
rank



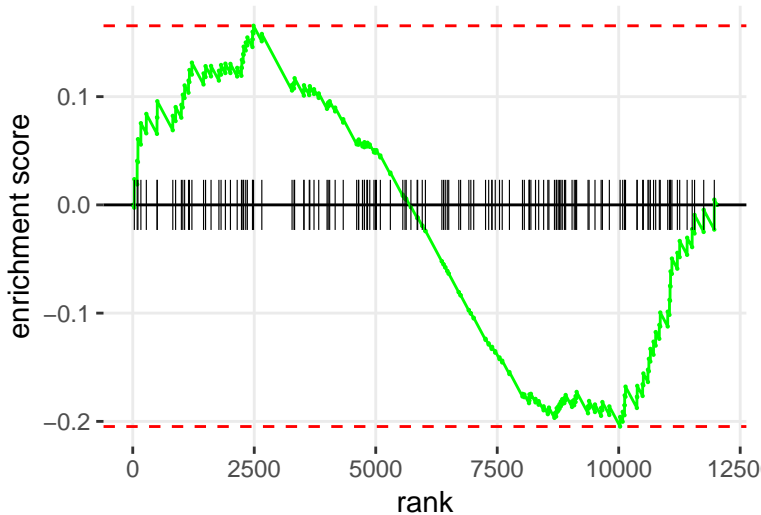
PHOSPHATIDYLINOSITOL PHOSPHATE METABOLISM



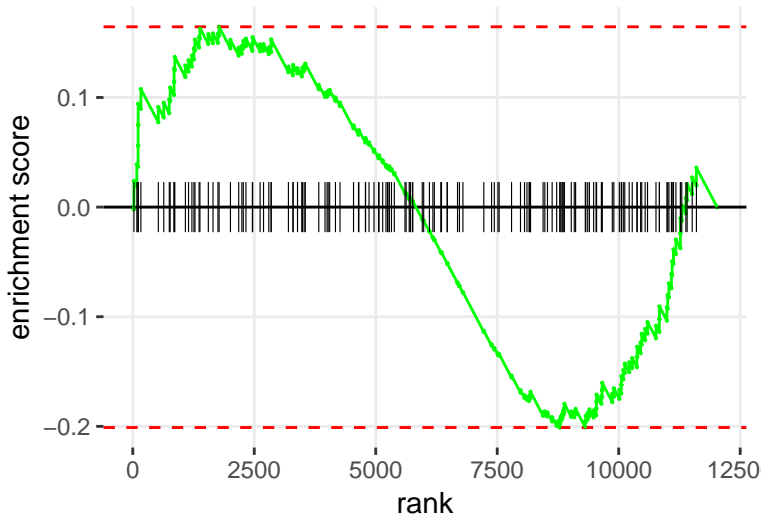
O-GLYCAN BIOSYNTHESIS



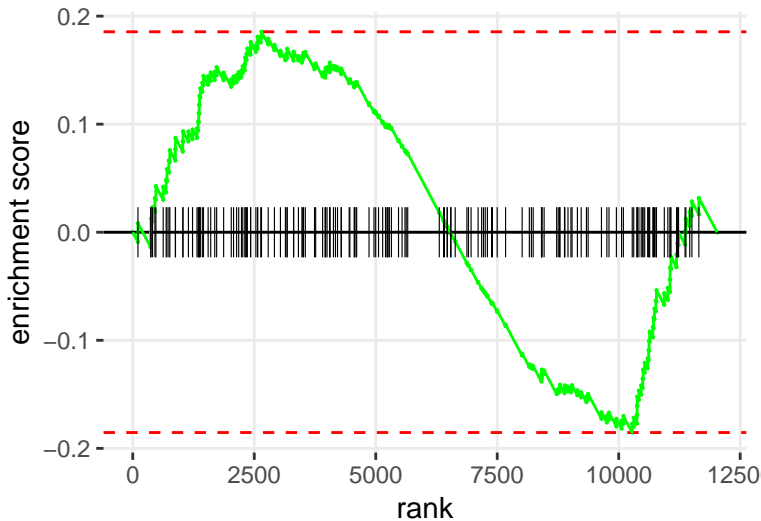
SQUALENE AND CHOLESTEROL BIOSYNTHESIS



PORPHYRIN METABOLISM



VITAMIN K METABOLISM



ELECTRON TRANSPORT CHAIN

enrichment score

0.0

-0.1

rank

0

2500

5000

7500

10000

12500

