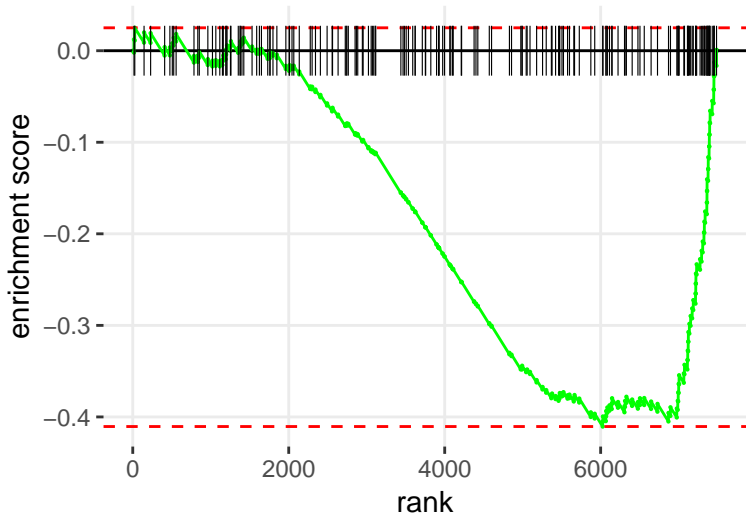
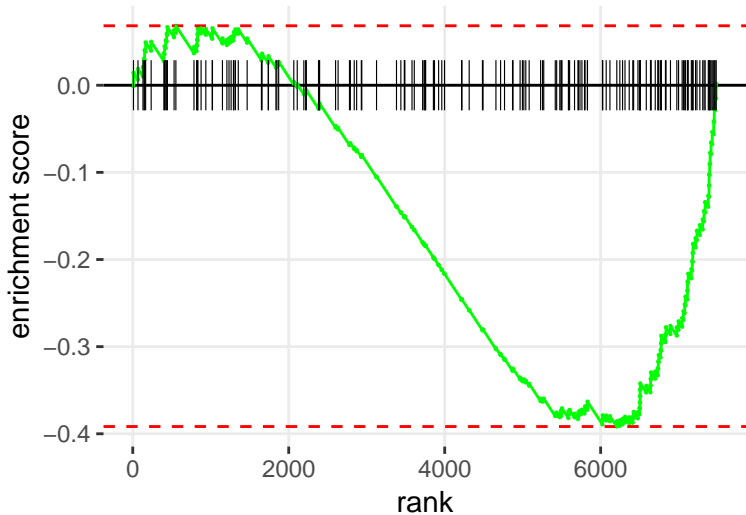


LIPOATE METABOLISM



GERANIOL DEGRADATION



C5-BRANCHED DIBASIC ACID METABOLISM

enrichment score

rank

0.0

-0.1

-0.2

-0.3

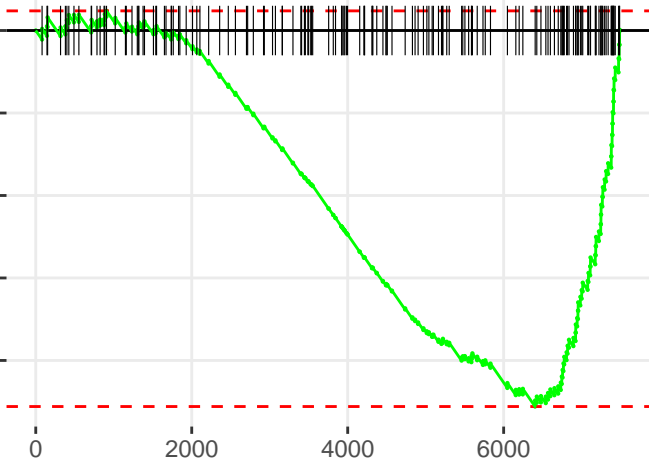
-0.4

0

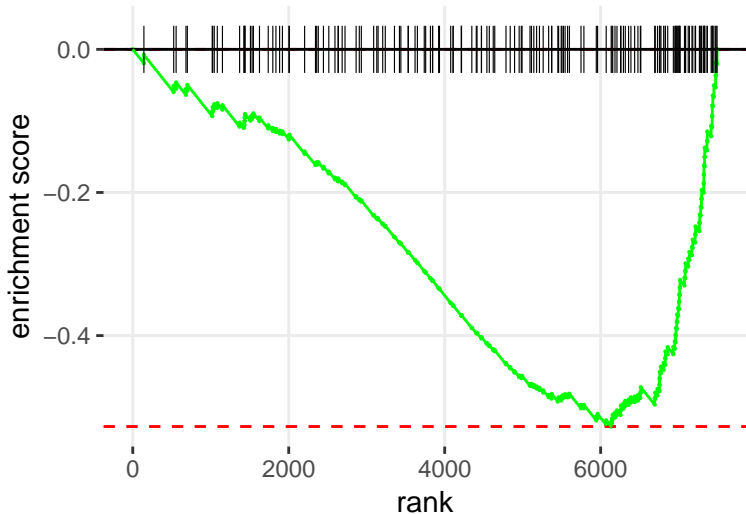
2000

4000

6000



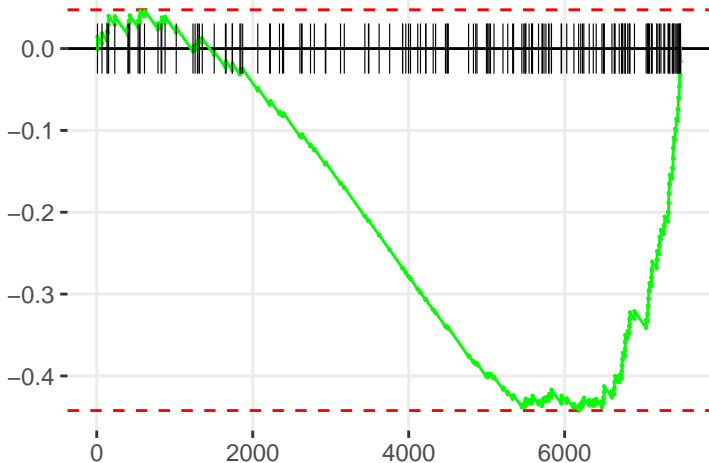
PENTOSE PHOSPHATE PATHWAY



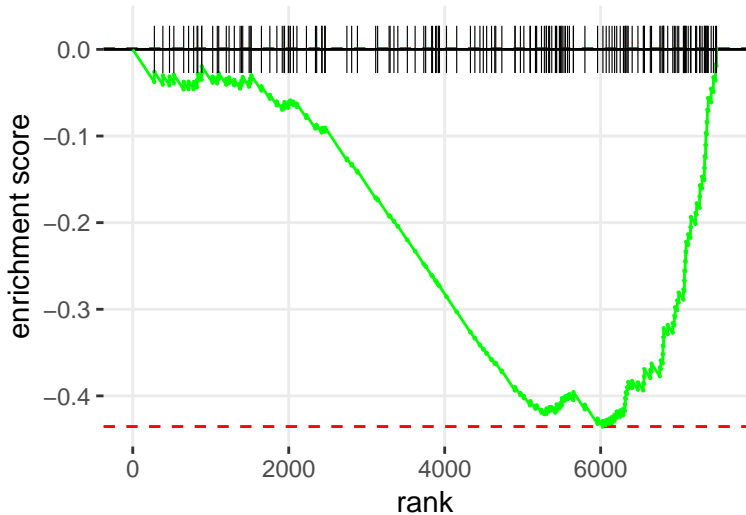
VITAMIN B6 (PYRIDOXINE) METABOLISM

enrichment score

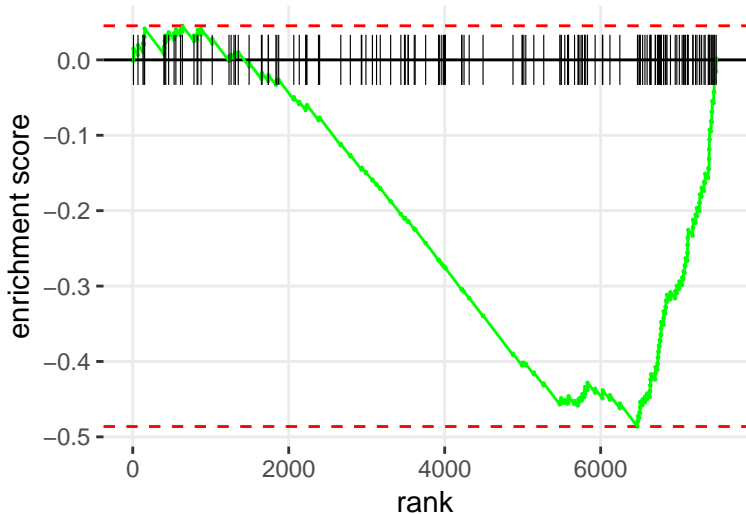
rank



LIMONENE AND PINENE DEGRADATION



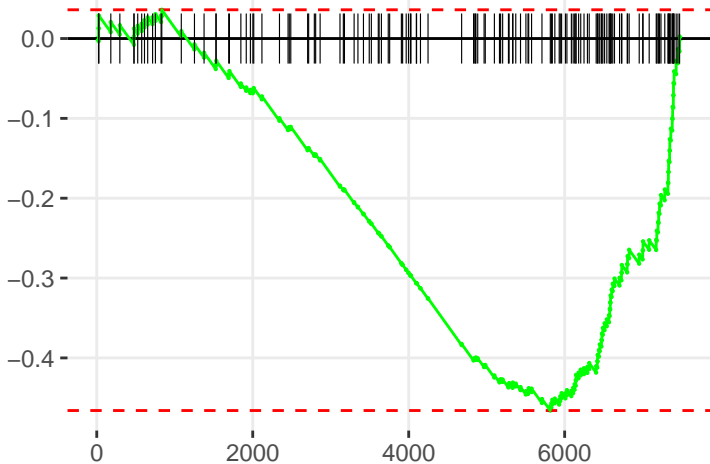
VITAMIN B5 – COA BIOSYNTHESIS FROM PANTOTHENATE



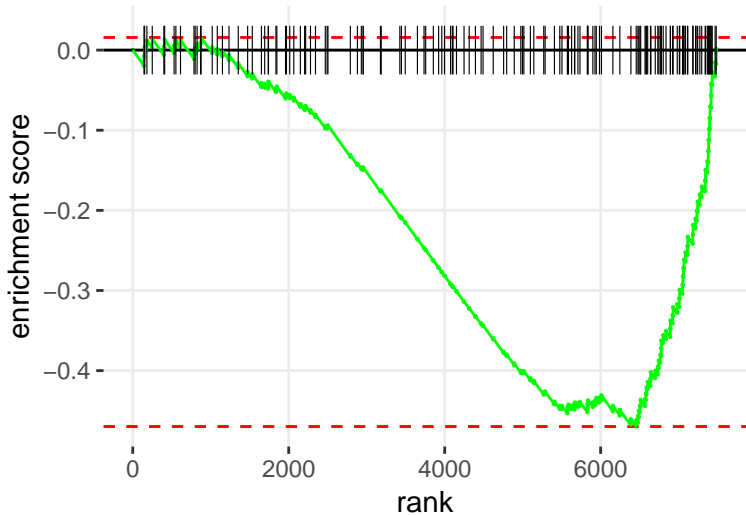
PYRUVATE METABOLISM

enrichment score

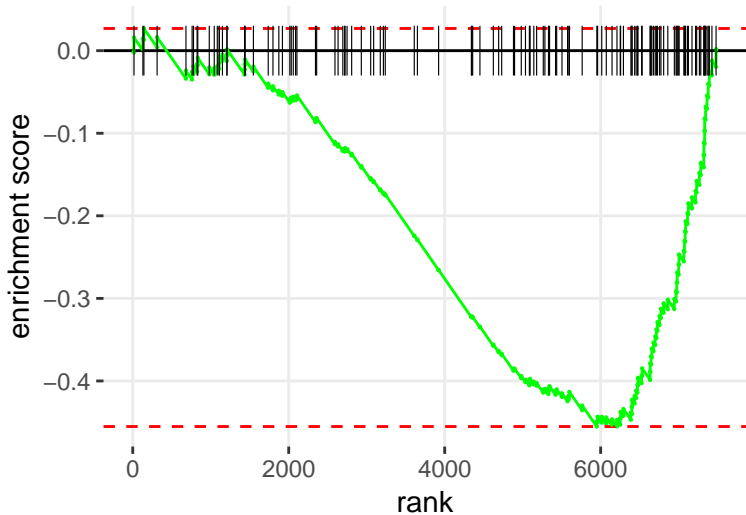
rank



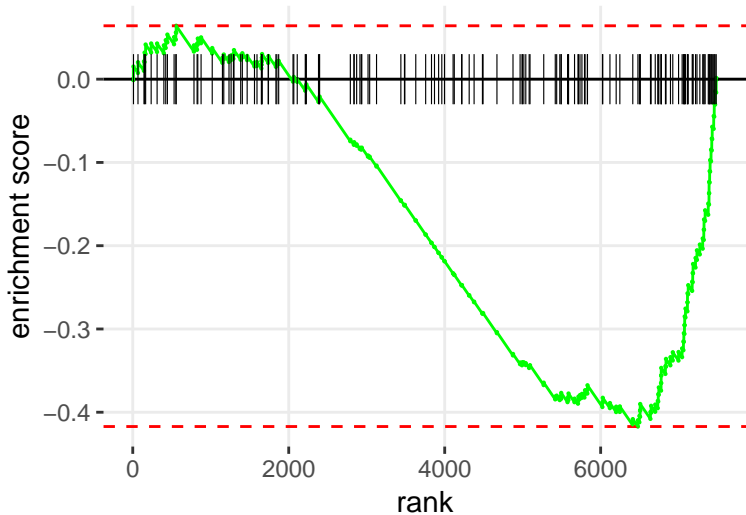
PENTOSE AND GLUCURONATE INTERCONVERSIONS



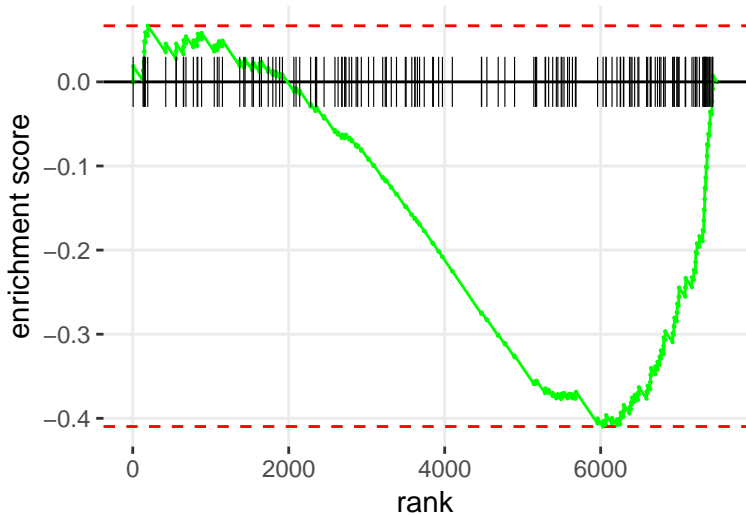
CARBON FIXATION



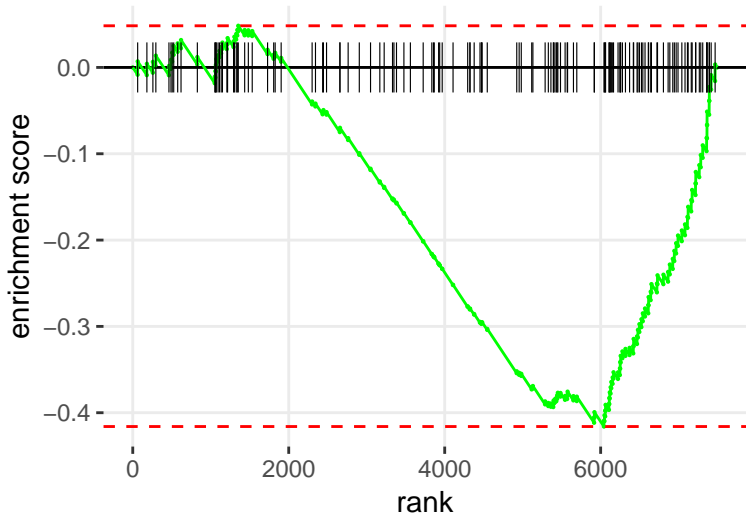
1- AND 2-METHYLNAPHTHALENE DEGRADATION



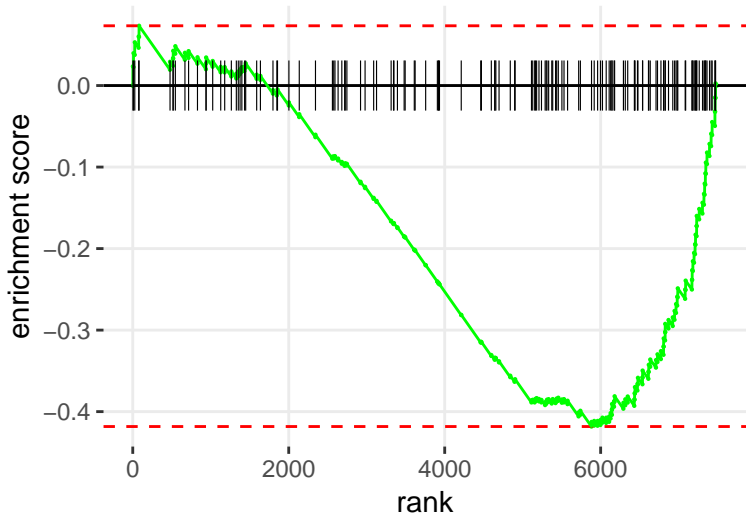
GALACTOSE METABOLISM



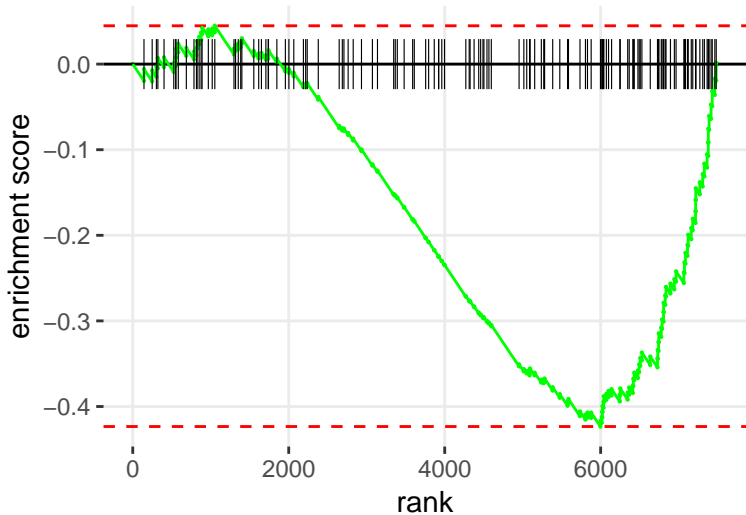
ALKALOID BIOSYNTHESIS II



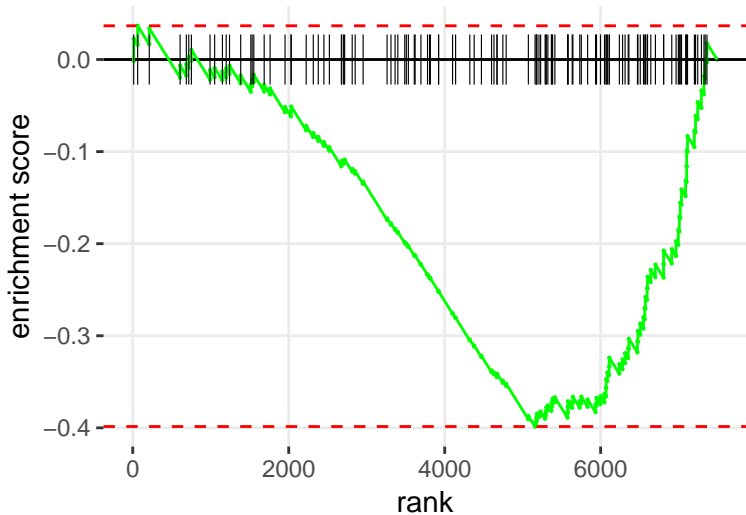
AMINOSUGARS METABOLISM



GLYCOSYLPHOSPHATIDYLINOSITOL(GPI)-ANCHOR BIOSYNTHESIS



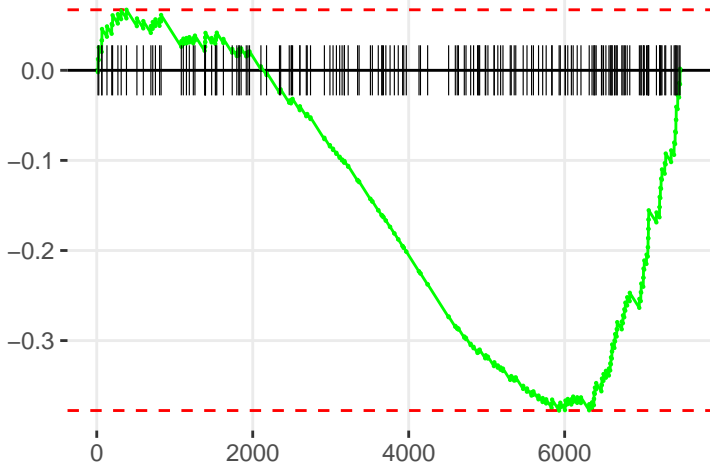
DRUG METABOLISM – OTHER ENZYMES



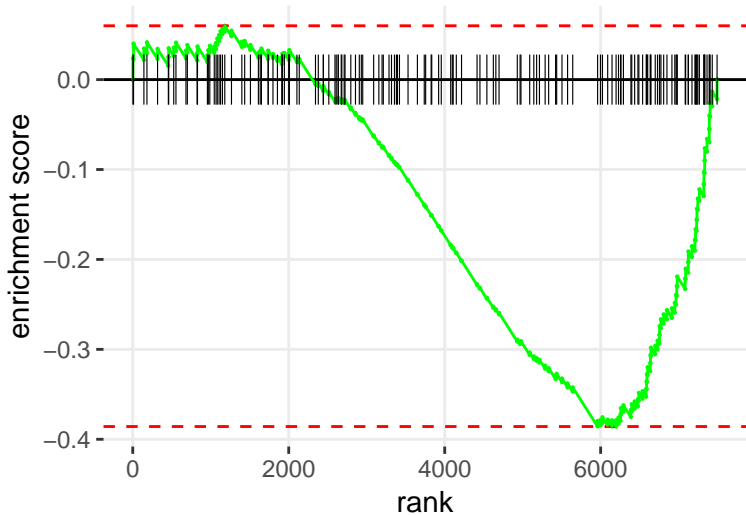
ROS DETOXIFICATION

enrichment score

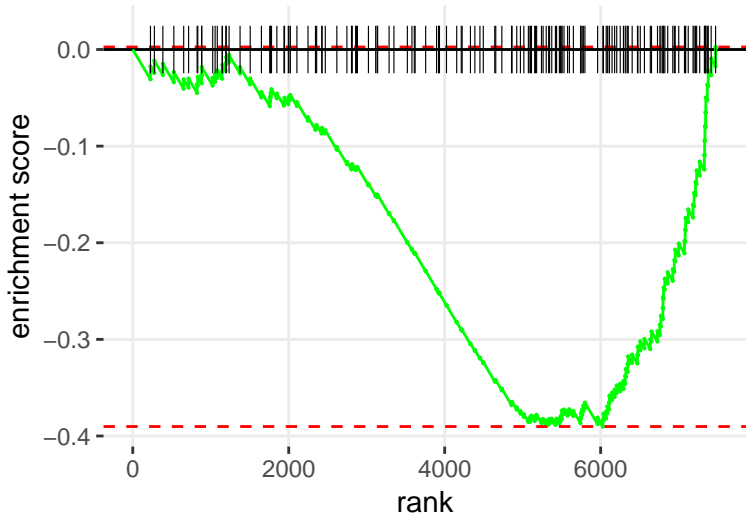
rank



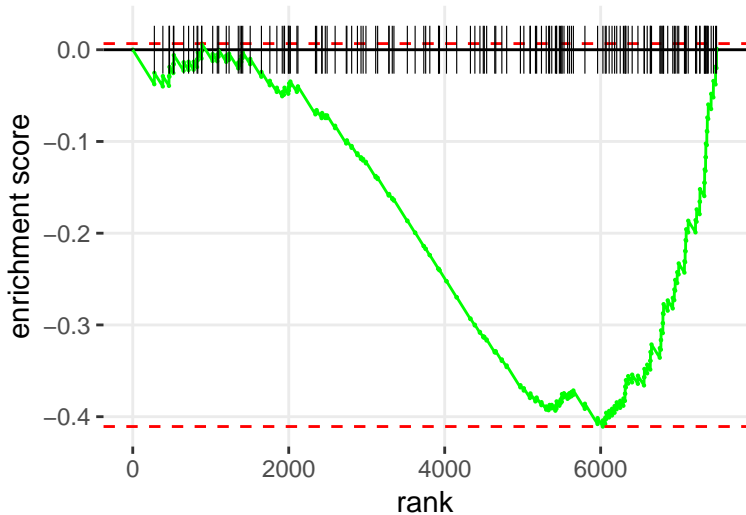
FRUCTOSE AND MANNOSE METABOLISM



HISTIDINE METABOLISM



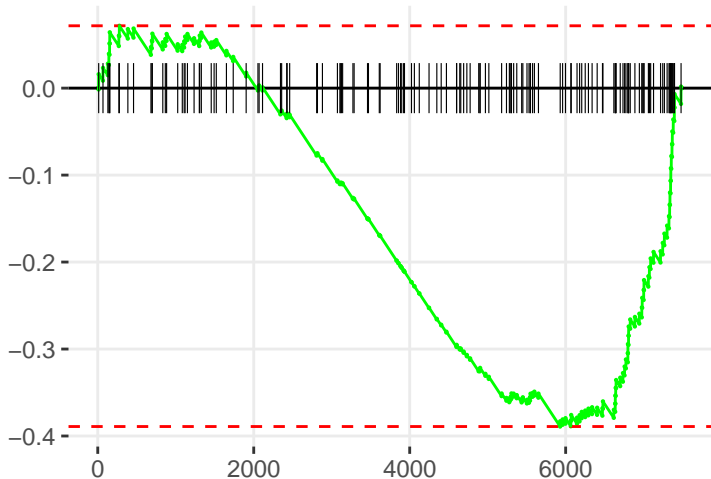
ASCORBATE (VITAMIN C) AND ALDARATE METABOLISM



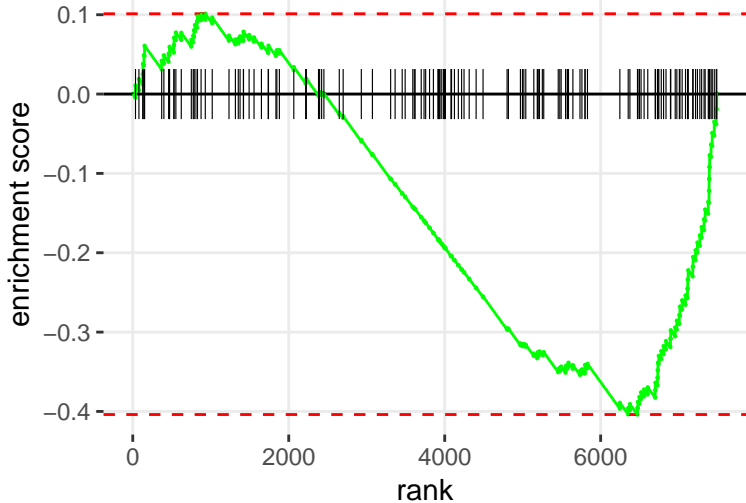
BUTANOATE METABOLISM

enrichment score

rank

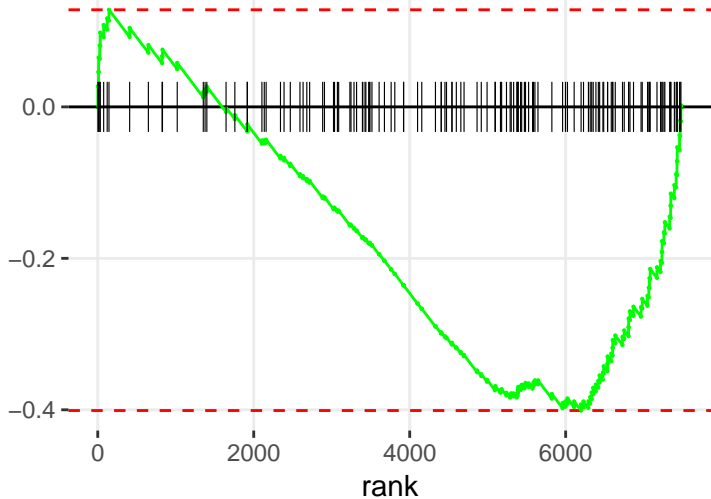


VITAMIN B2 (RIBOFLAVIN) METABOLISM

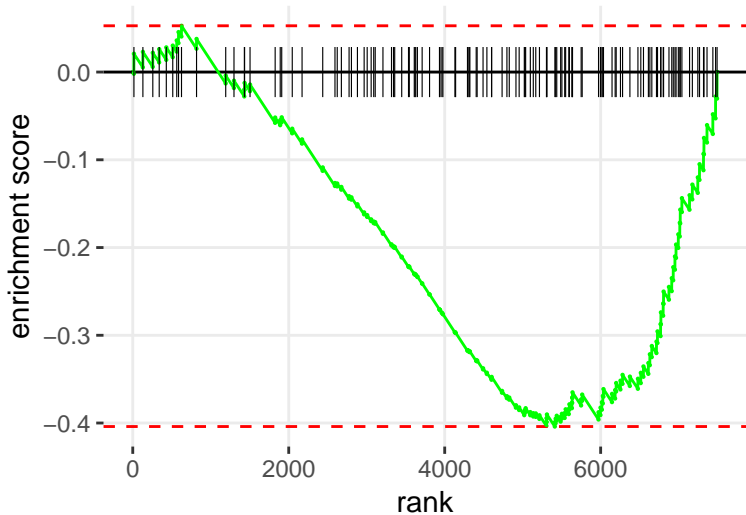


HEXOSE PHOSPHORYLATION

enrichment score



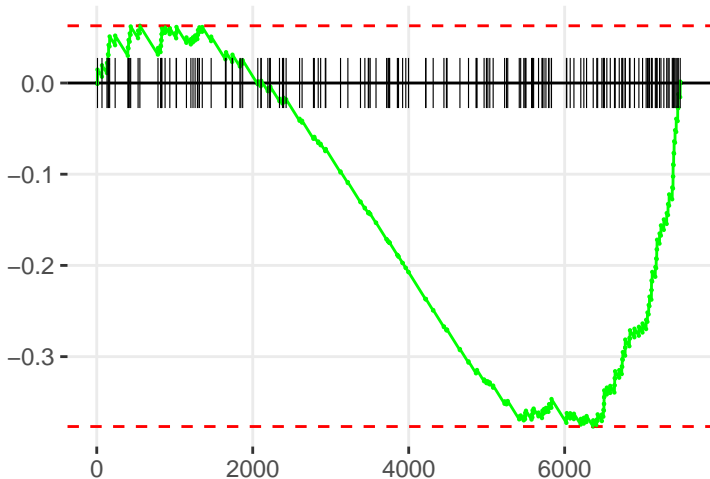
NUCLEOTIDE SUGAR METABOLISM



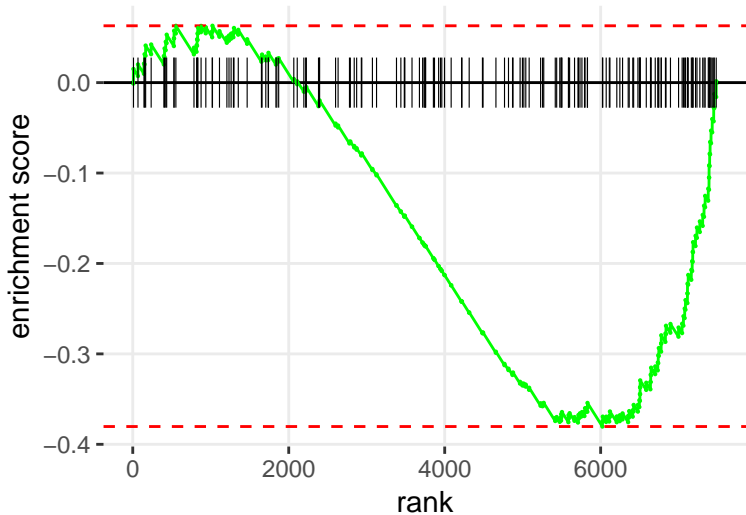
FATTY ACID OXIDATION

enrichment score

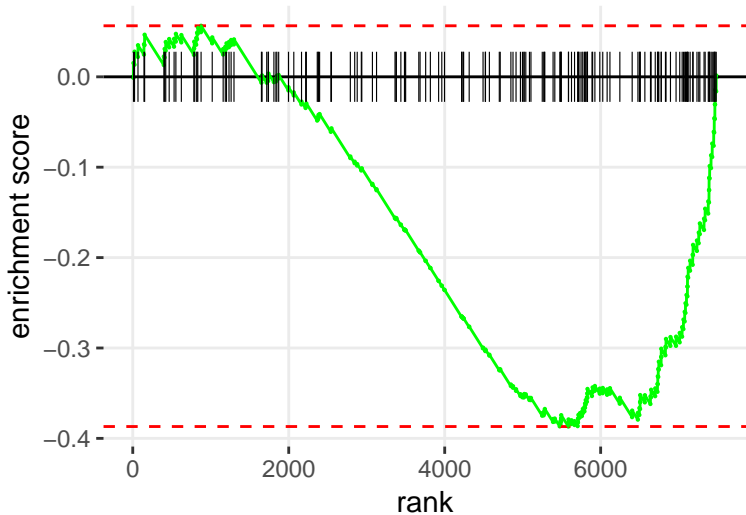
rank



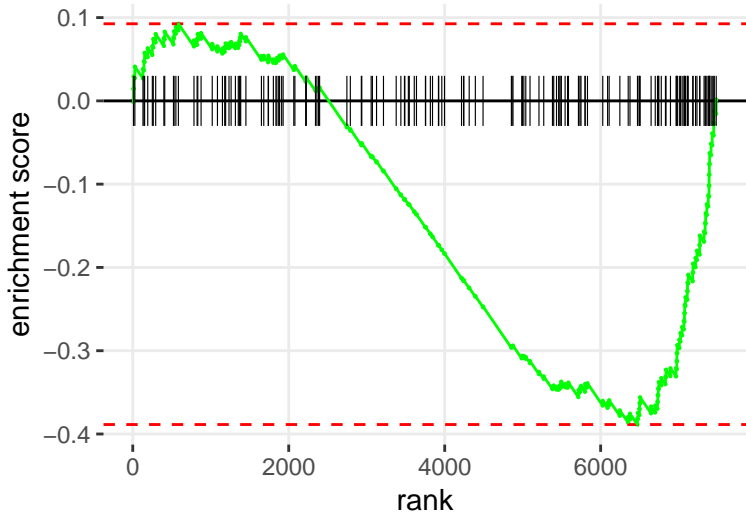
VITAMIN H (BIOTIN) METABOLISM



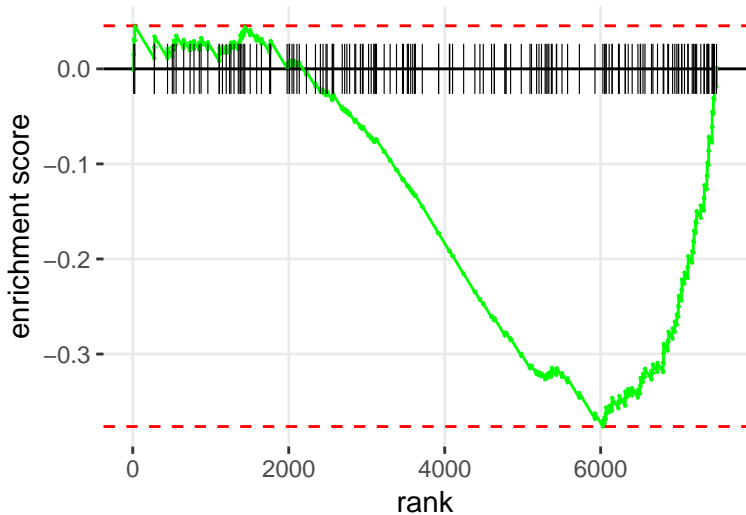
FATTY ACID OXIDATION, PEROXISOME



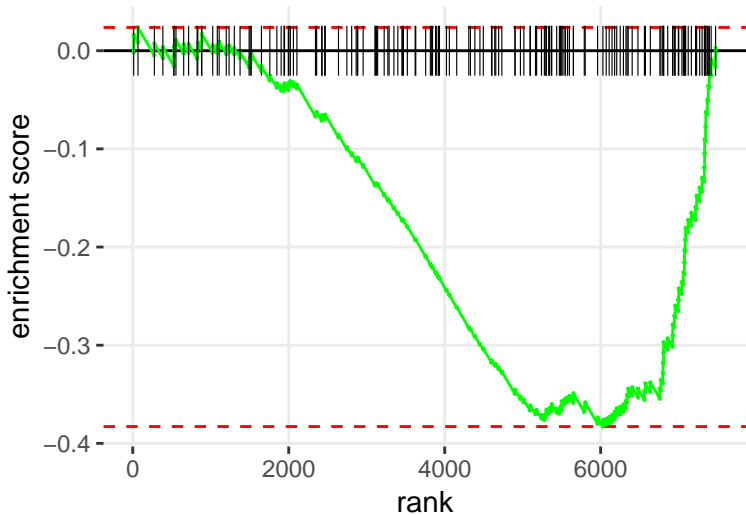
CARNITINE SHUTTLE



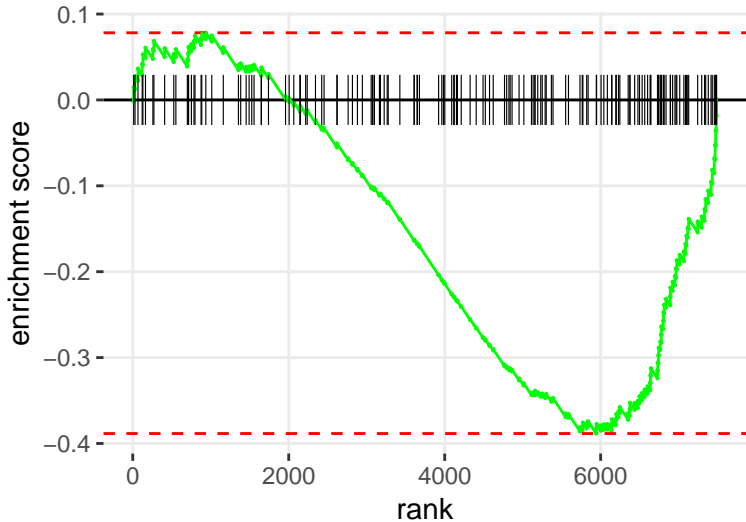
ALANINE AND ASPARTATE METABOLISM



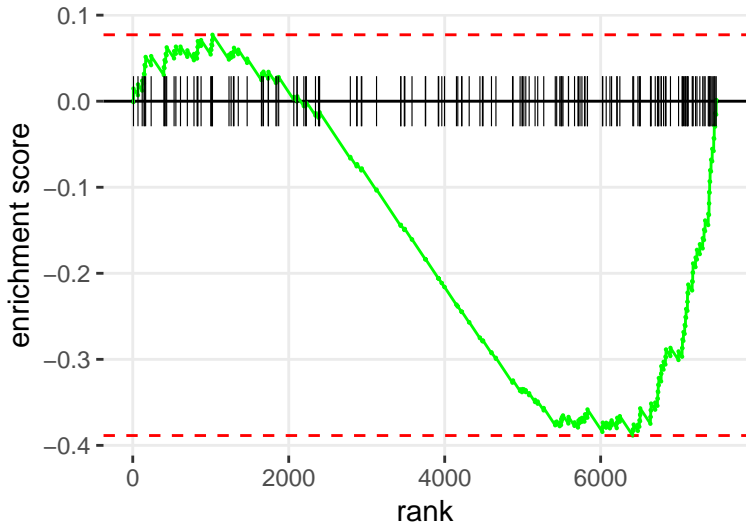
BETA-ALANINE METABOLISM



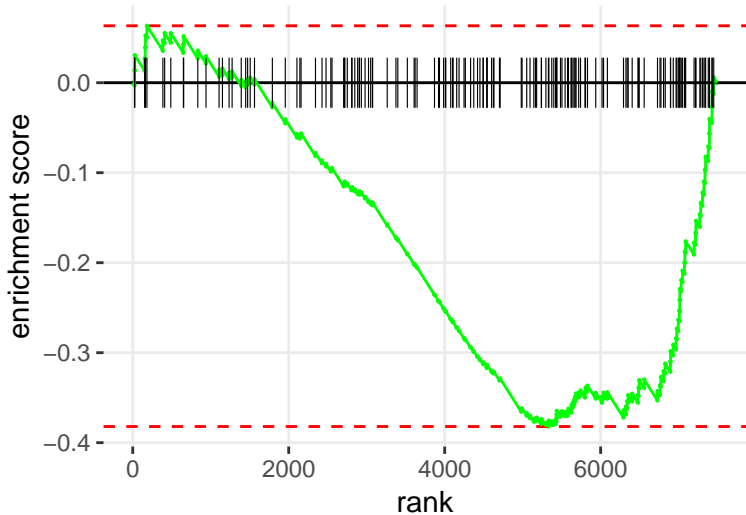
PROSTAGLANDIN FORMATION FROM DIHOMO GAMMA-LINOLEIC ACID



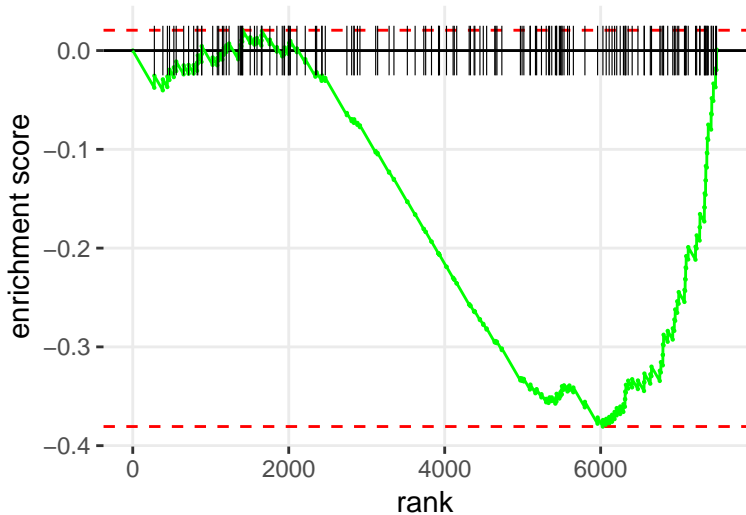
DYNORPHIN METABOLISM



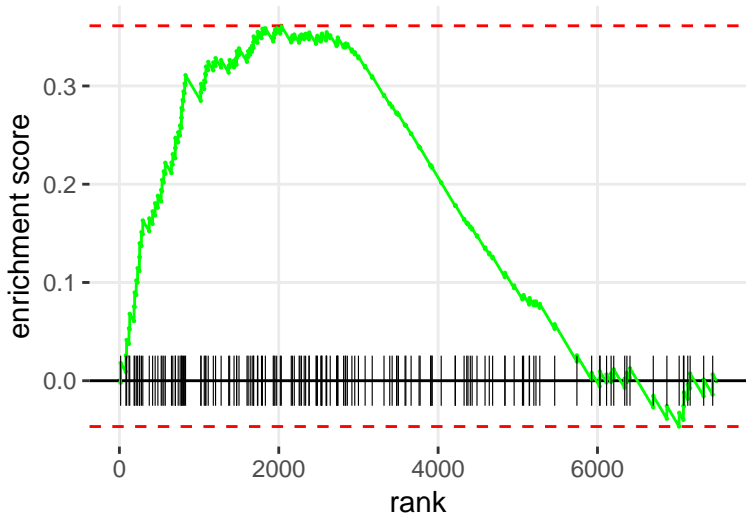
STARCH AND SUCROSE METABOLISM



3-CHLOROACRYLIC ACID DEGRADATION



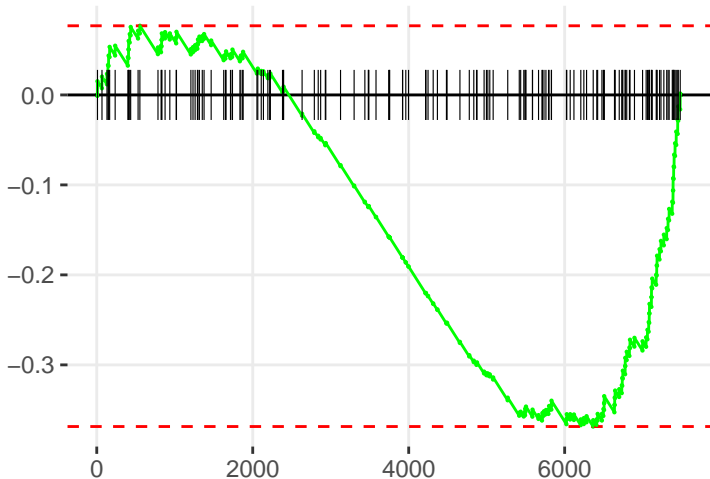
UREA CYCLE/AMINO GROUP METABOLISM



VITAMIN B12 (CYANOCOBALAMIN) METABOLISM

enrichment score

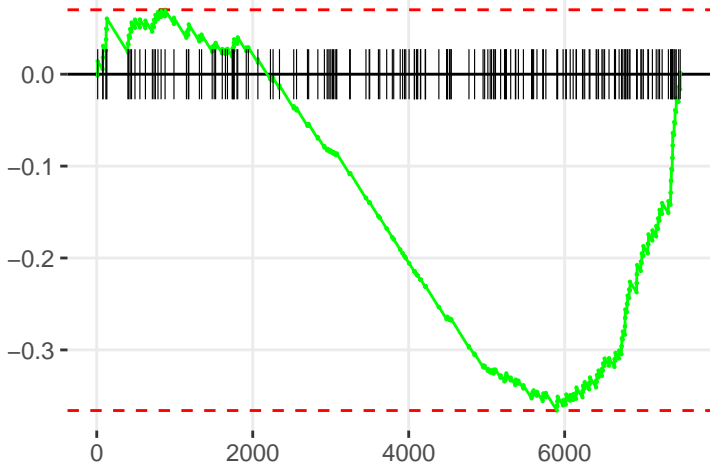
rank



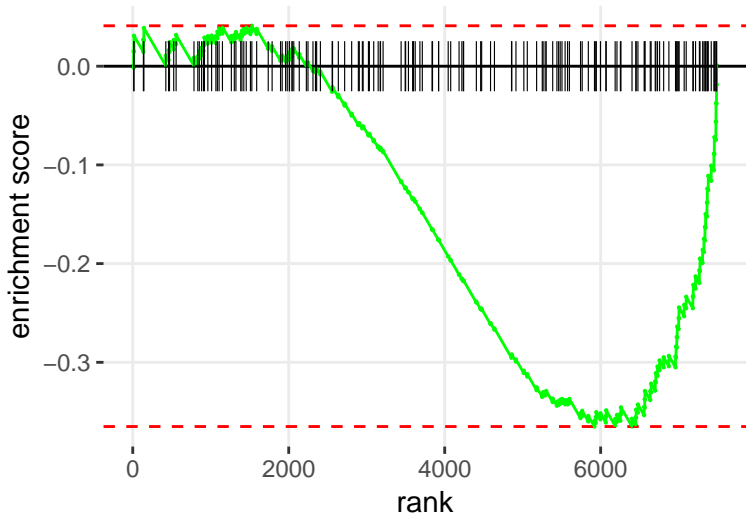
NITROGEN METABOLISM

enrichment score

rank



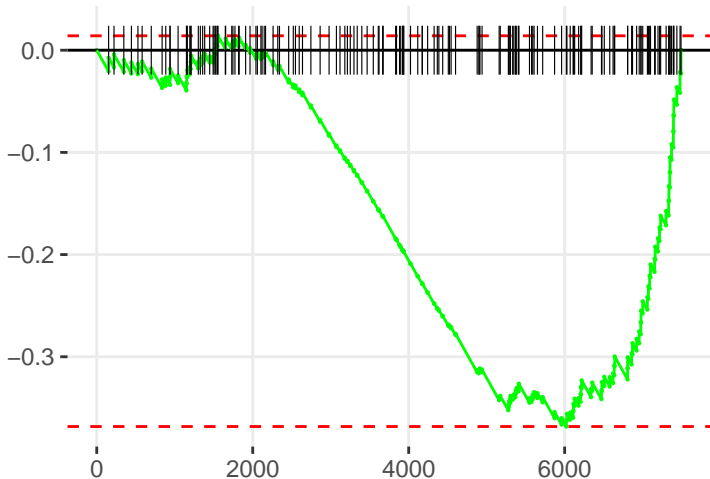
GLYCINE, SERINE, ALANINE AND THREONINE METABOLISM



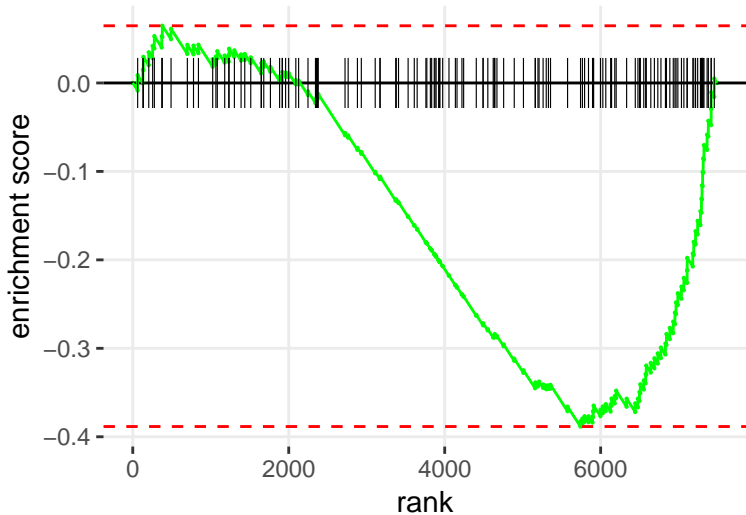
PHYTANIC ACID PEROXISOMAL OXIDATION

enrichment score

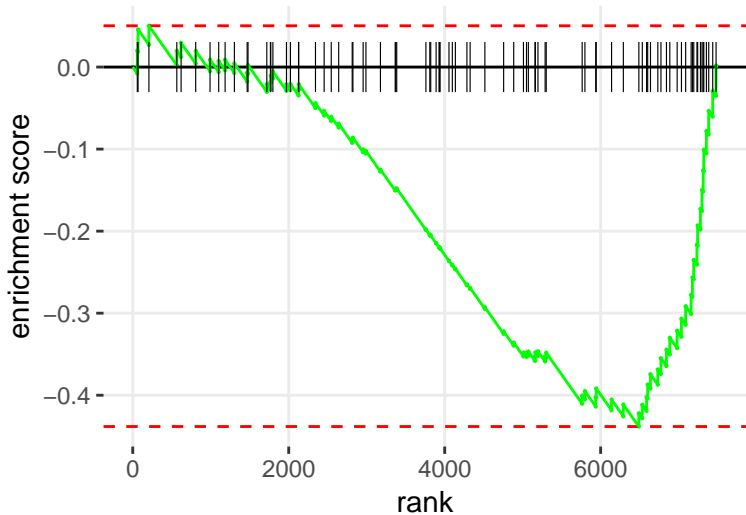
rank



ASPARTATE AND ASPARAGINE METABOLISM



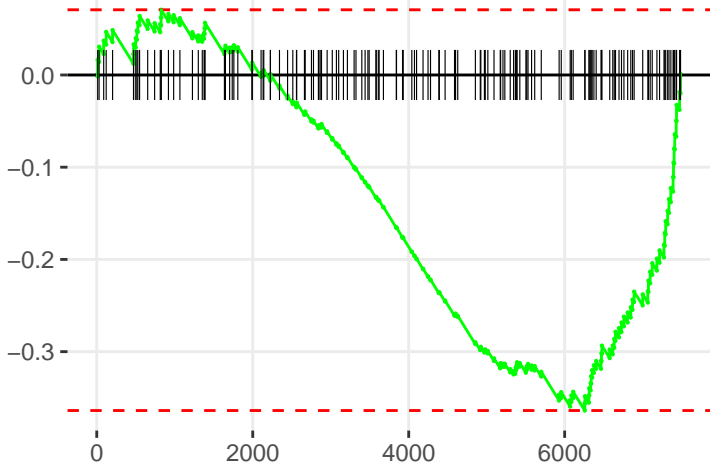
ANDROGEN AND ESTROGEN BIOSYNTHESIS AND METABOLISM



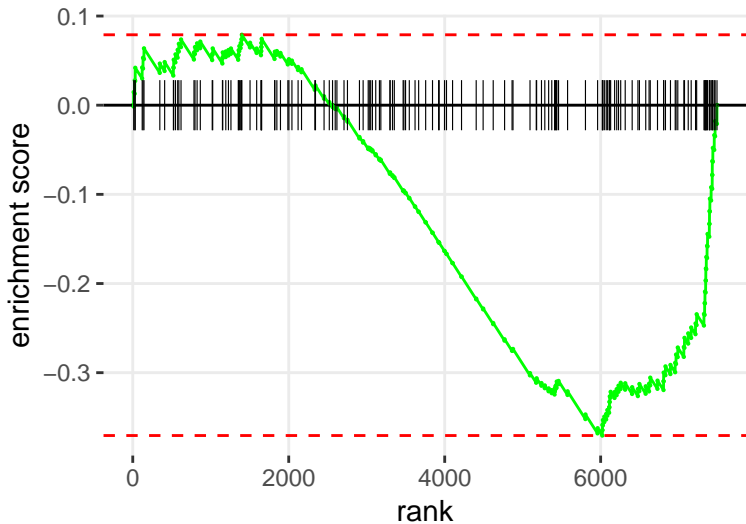
VITAMIN B9 (FOLATE) METABOLISM

enrichment score

rank



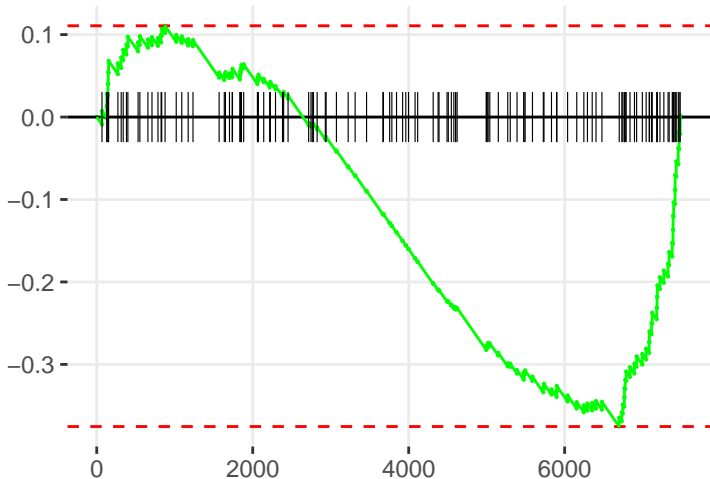
FATTY ACID ACTIVATION



GLYCOSPHINGOLIPID BIOSYNTHESIS – GLOBOSERIES

enrichment score

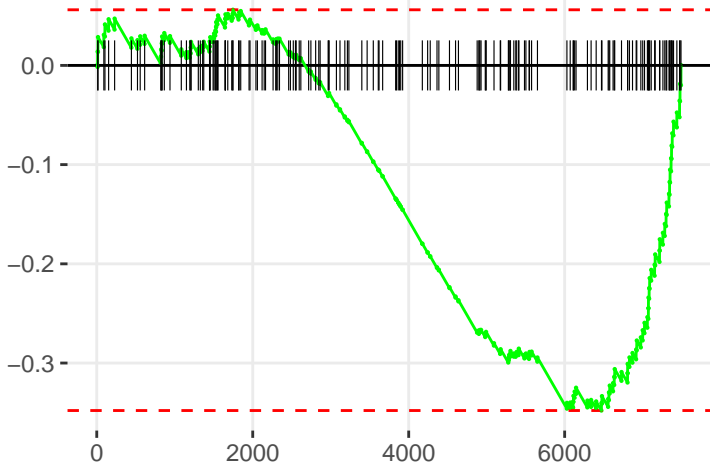
rank



OMEGA-3 FATTY ACID METABOLISM

enrichment score

rank



LYSINE METABOLISM

enrichment score

0.3

0.2

0.1

0.0

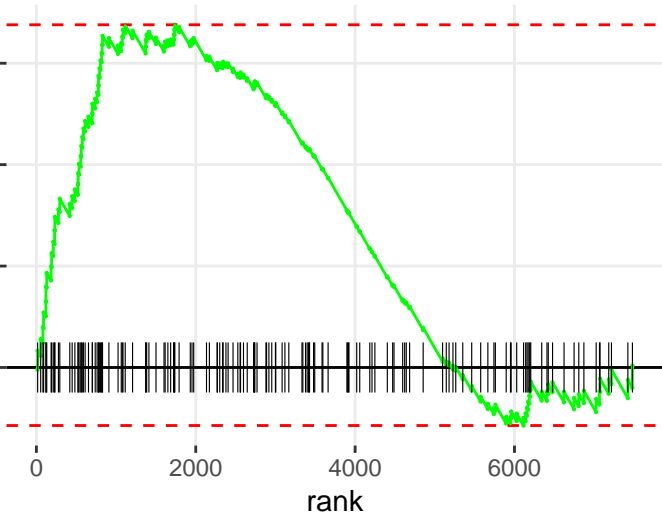
0

2000

4000

6000

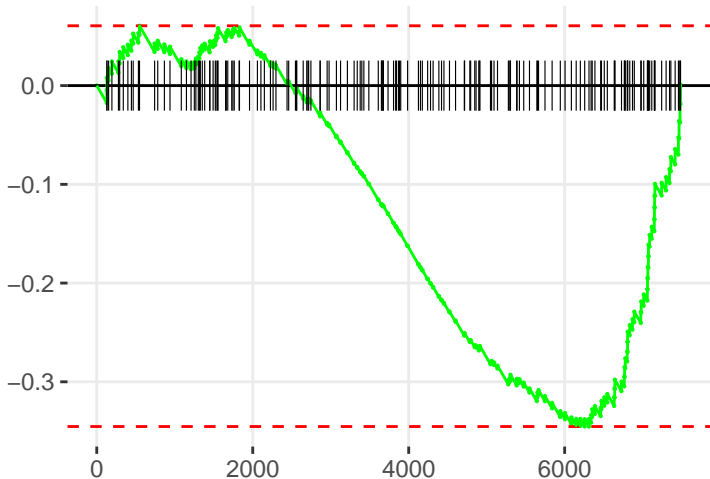
rank



DIMETHYL-BRANCHED-CHAIN FATTY ACID MITOCHONDRIAL BETA-OXIDATION

enrichment score

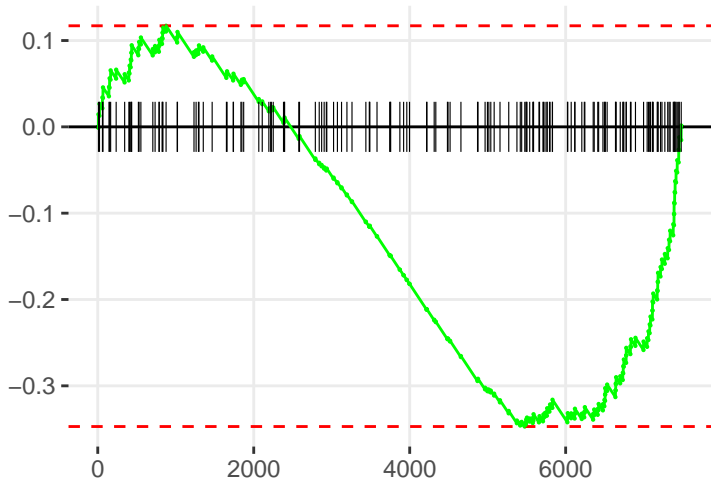
rank



SPHINGOLIPID METABOLISM

enrichment score

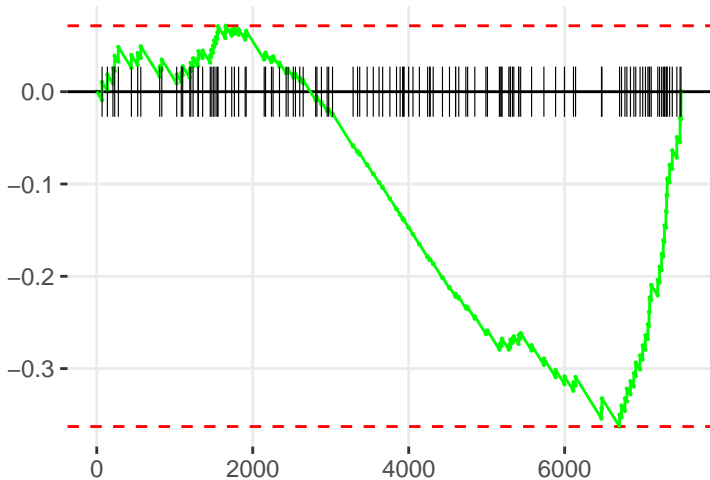
rank



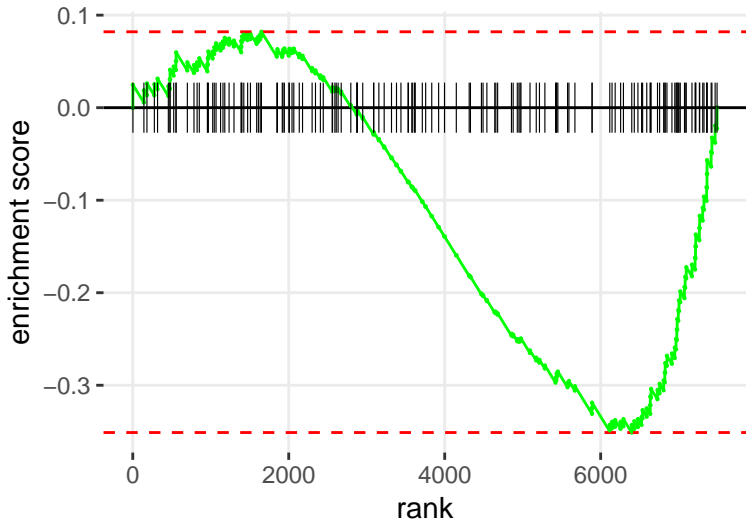
LEUKOTRIENE METABOLISM

enrichment score

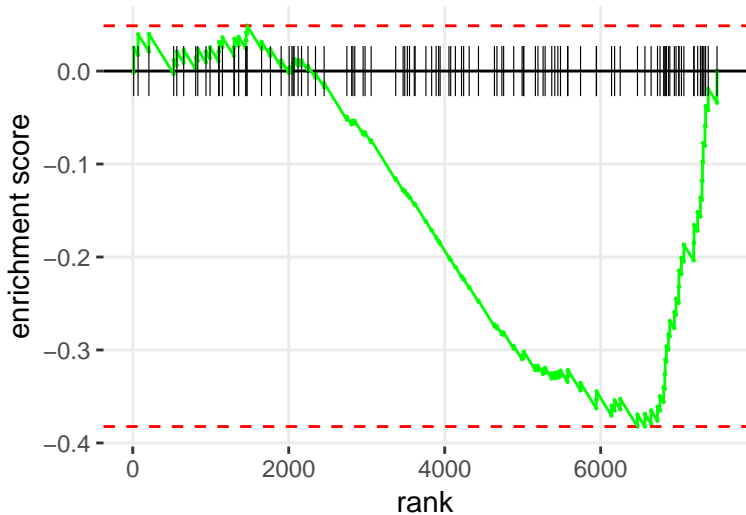
rank



GLYCOLYSIS AND GLUCONEOGENESIS



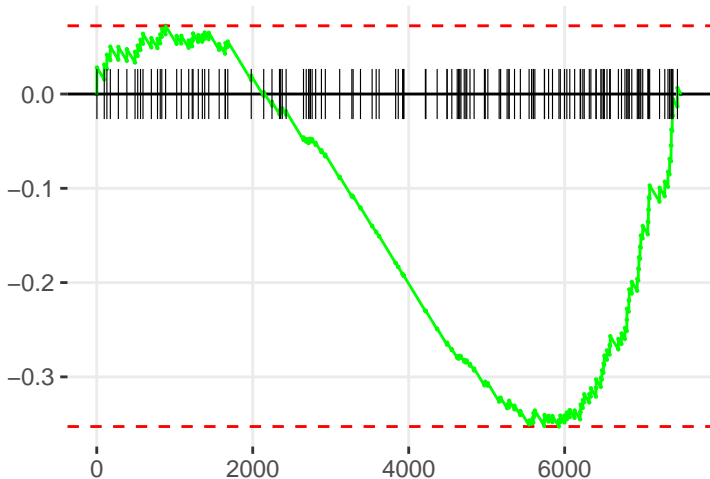
DRUG METABOLISM – CYTOCHROME P450



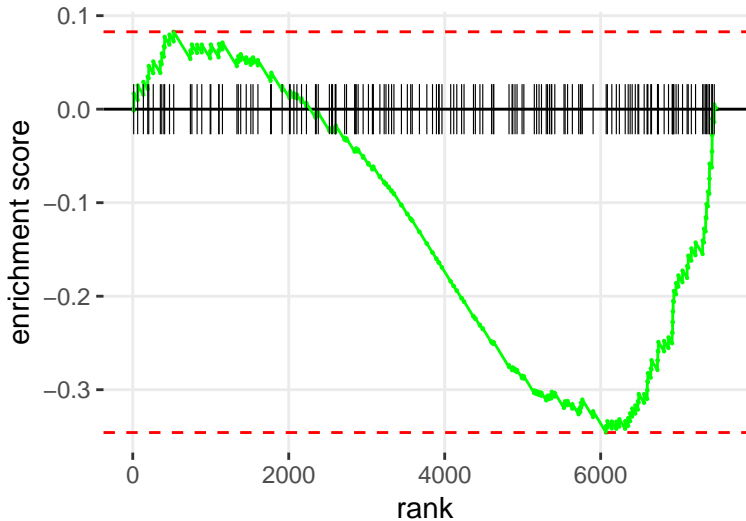
ARGININE AND PROLINE METABOLISM

enrichment score

rank



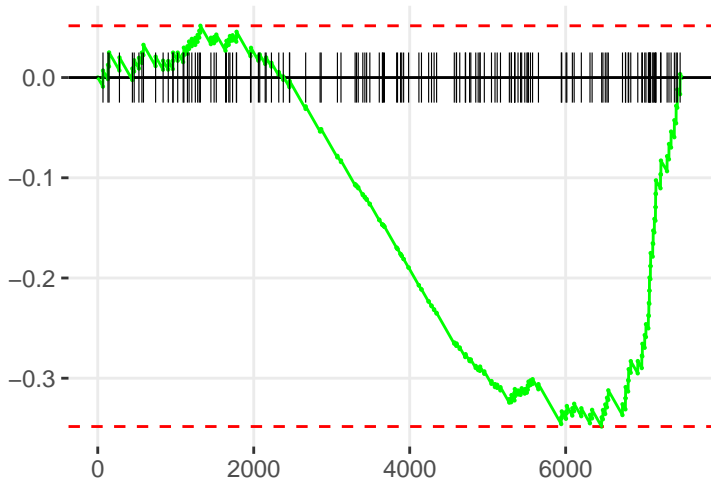
GLUTATHIONE METABOLISM



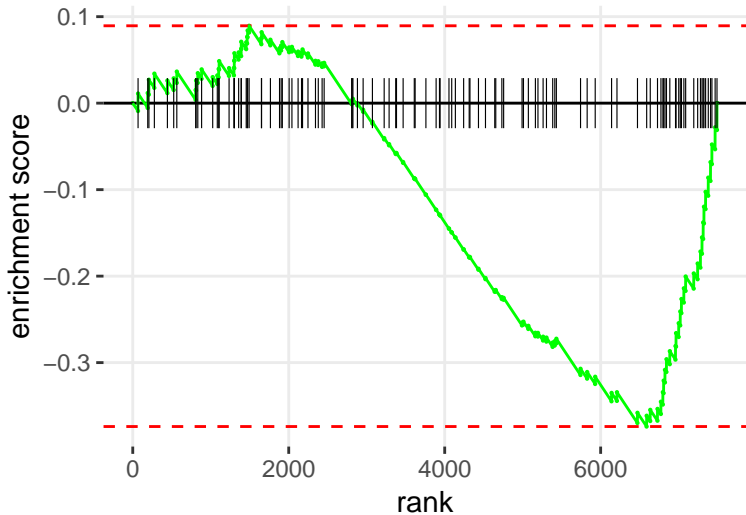
TRIHYDROXYCOPROSTANOYL-COA BETA-OXIDATION

enrichment score

rank



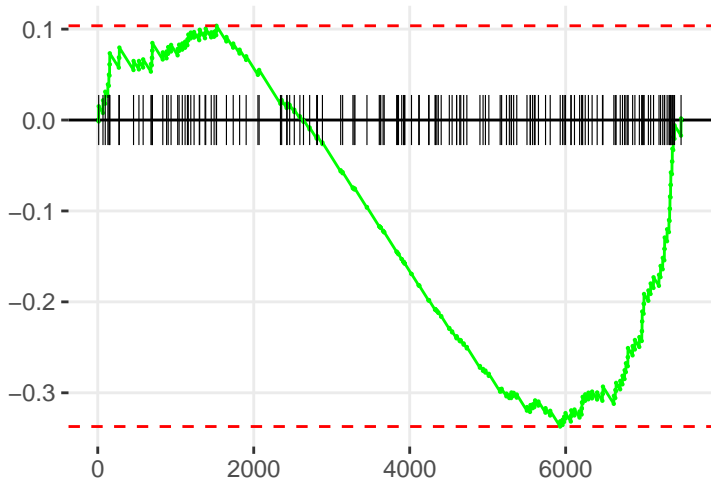
TRYPTOPHAN METABOLISM



PROPANOATE METABOLISM

enrichment score

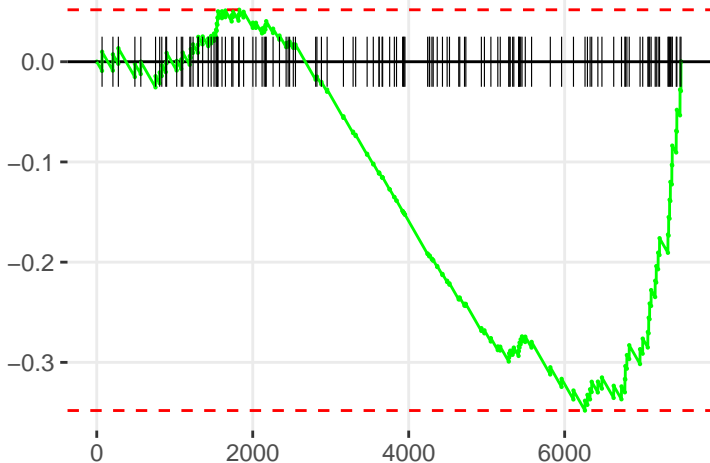
rank



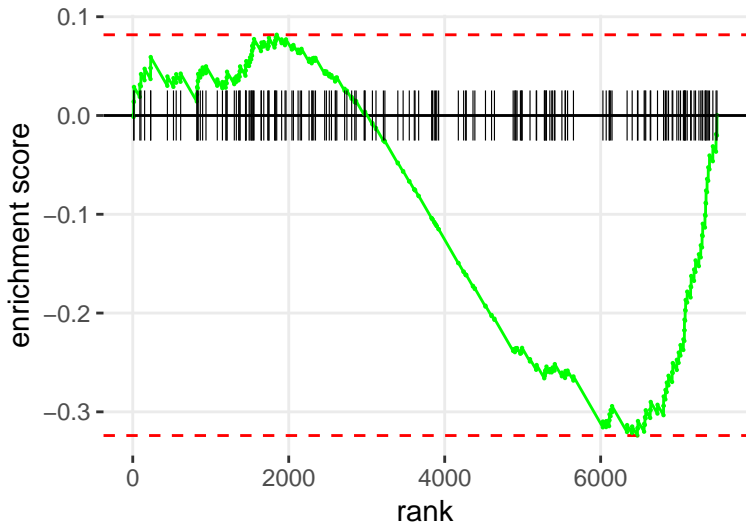
FATTY ACID METABOLISM

enrichment score

rank



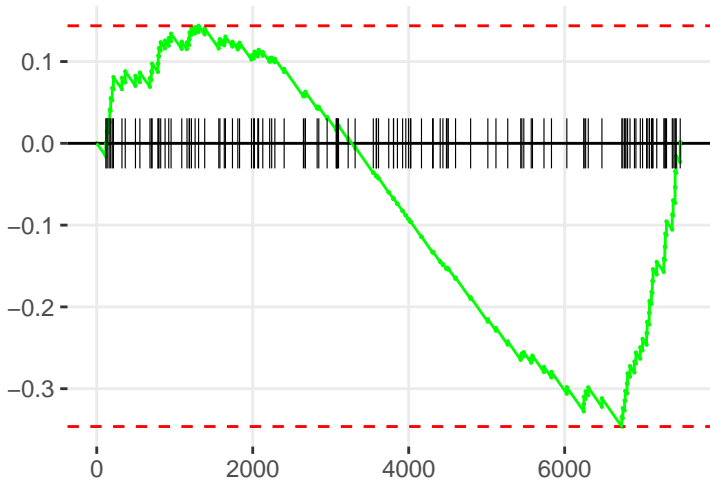
OMEGA-6 FATTY ACID METABOLISM



KERATAN SULFATE BIOSYNTHESIS

enrichment score

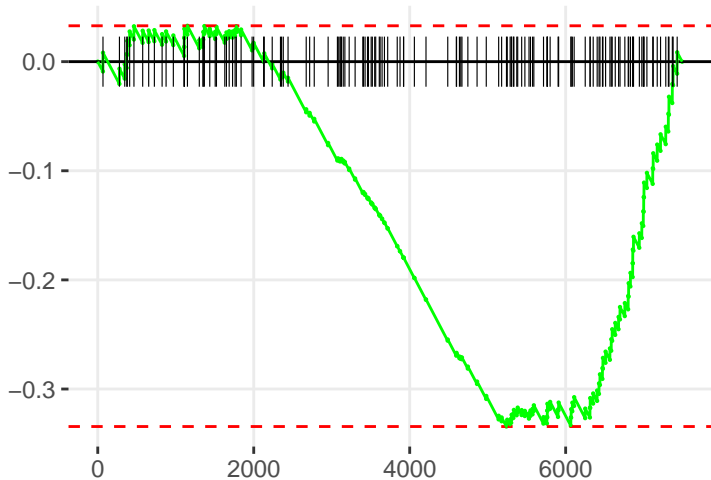
rank



GLUTAMATE METABOLISM

enrichment score

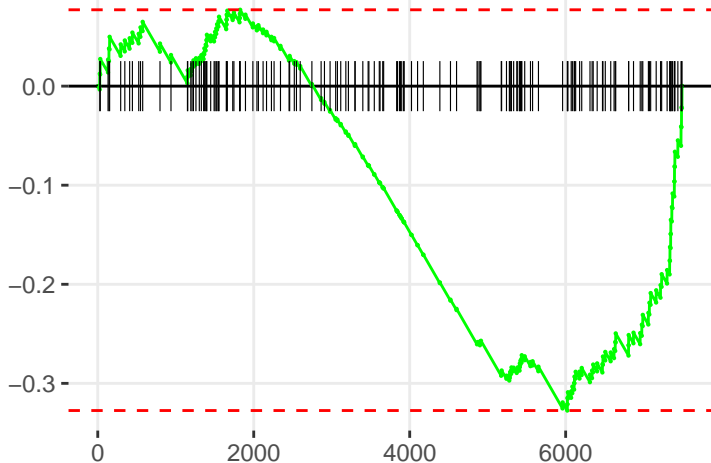
rank



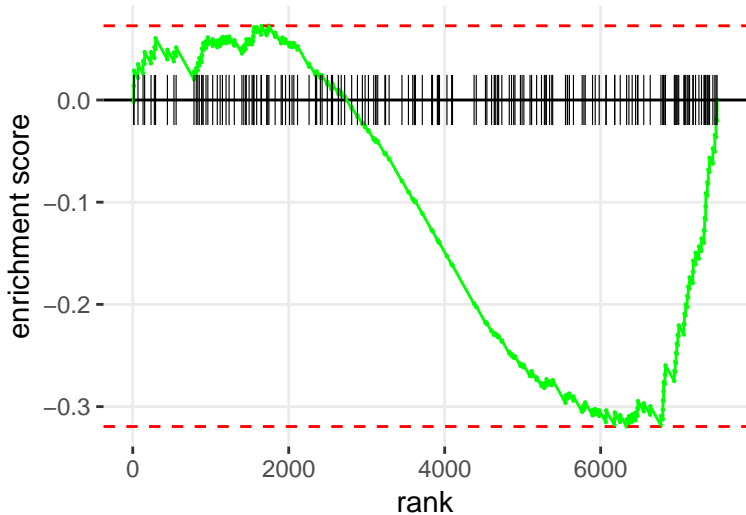
MONO-UNSATURATED FATTY ACID BETA-OXIDATION

enrichment score

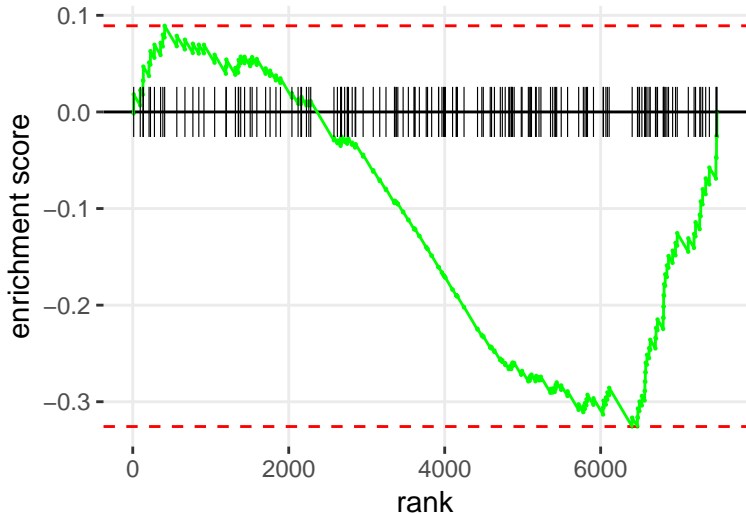
rank



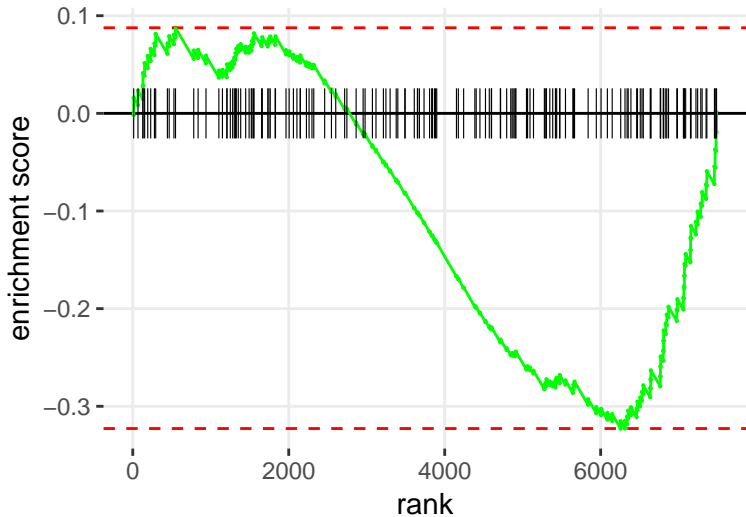
VALINE, LEUCINE AND ISOLEUCINE DEGRADATION



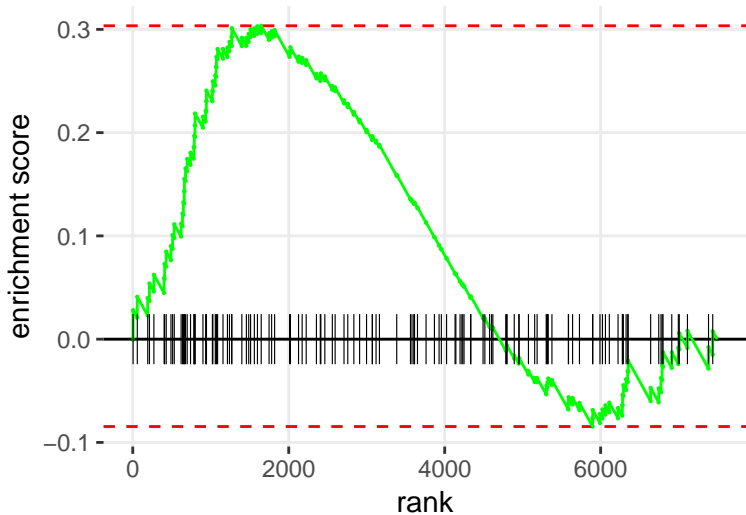
VITAMIN B3 (NICOTINATE AND NICOTINAMIDE) METABOLISM



3-OXO-10R-OCTADECATRIENOATE BETA-OXIDATION



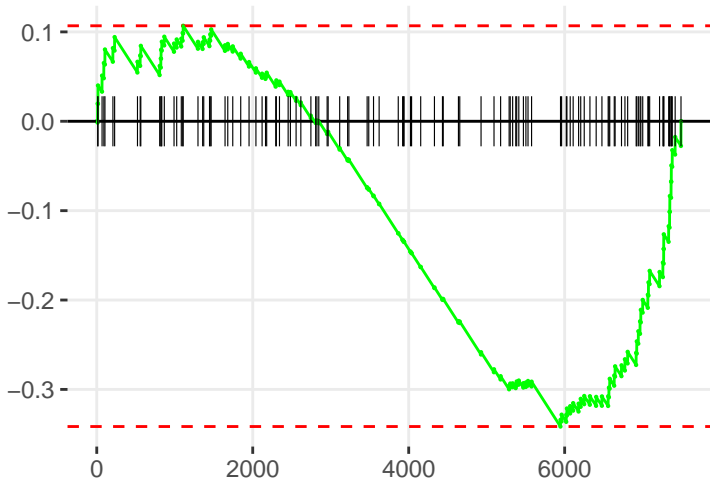
PROTEOGLYCAN BIOSYNTHESIS



VITAMIN A (RETINOL) METABOLISM

enrichment score

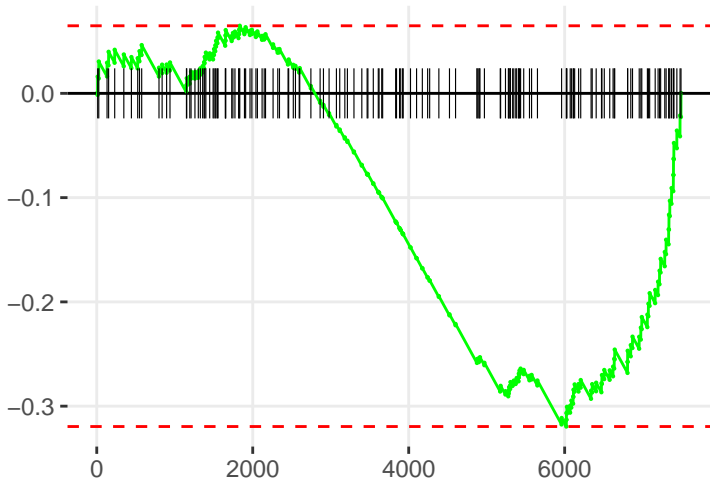
rank



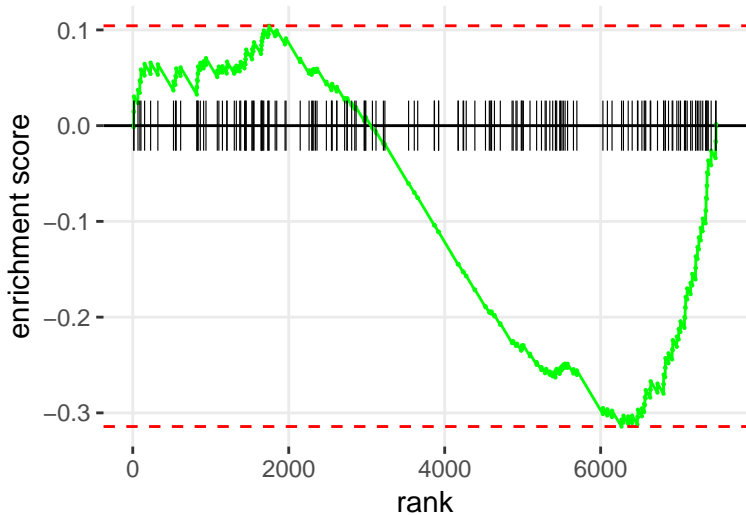
DI-UNSATURATED FATTY ACID BETA-OXIDATION

enrichment score

rank



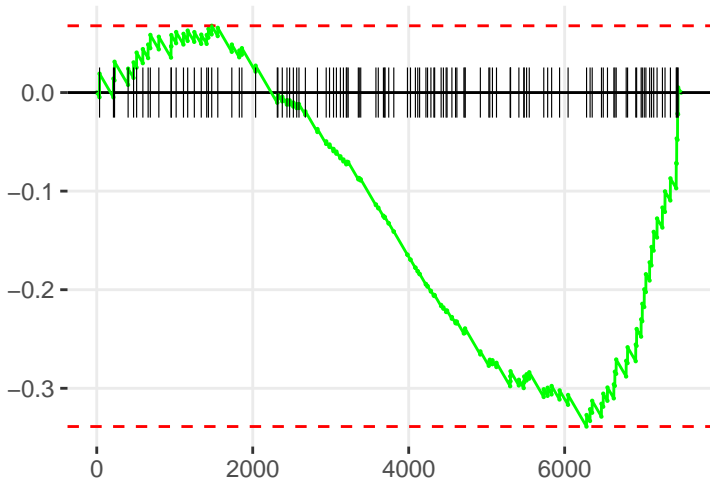
POLYUNSATURATED FATTY ACID BIOSYNTHESIS



HEPARAN SULFATE DEGRADATION

enrichment score

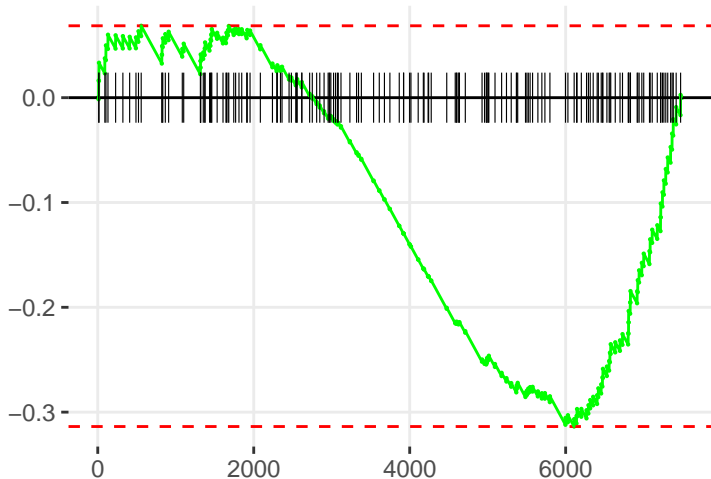
rank



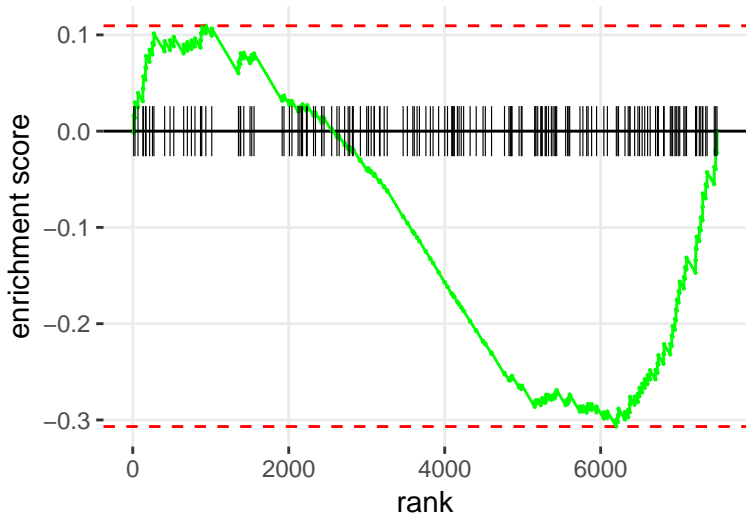
DE NOVO FATTY ACID BIOSYNTHESIS

enrichment score

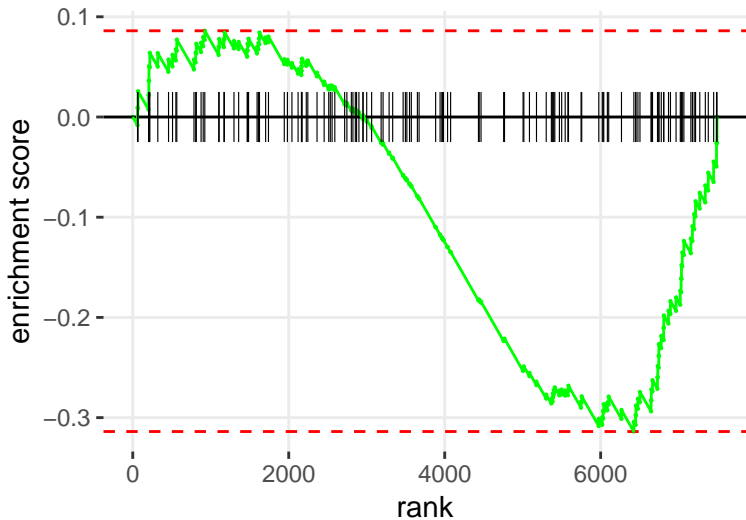
rank



PUTATIVE ANTI-INFLAMMATORY METABOLITES FORMATION FROM EPA



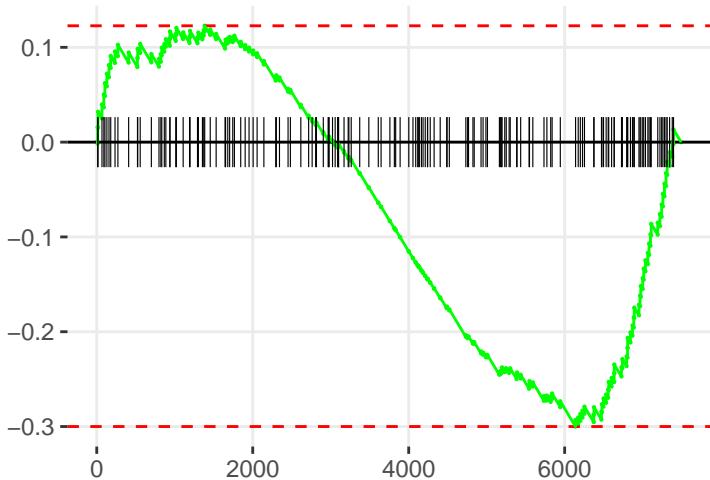
PARATHIO DEGRADATION



PROSTAGLANDIN FORMATION FROM ARACHIDONATE

enrichment score

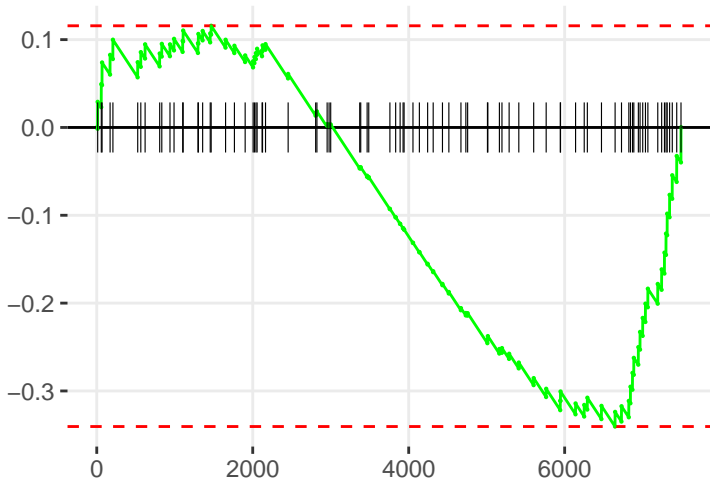
rank



XENOBIOTICS METABOLISM

enrichment score

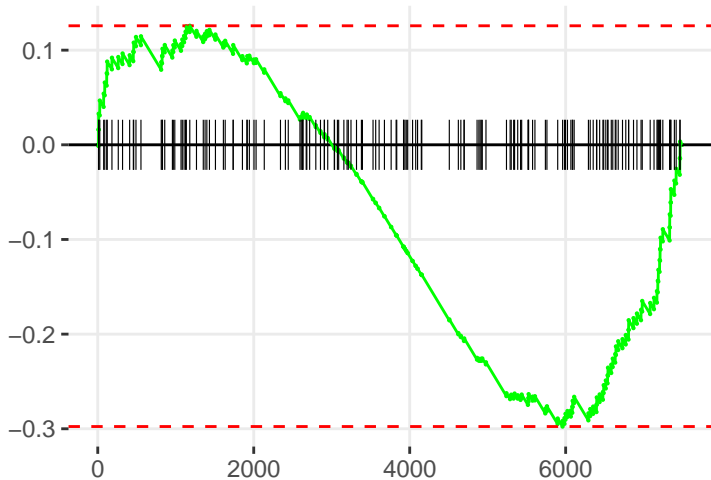
rank



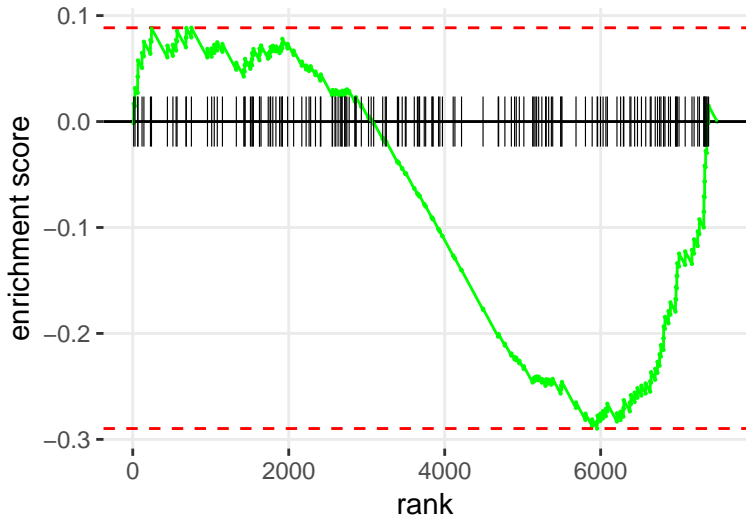
BENZOATE DEGRADATION VIA COA LIGATION

enrichment score

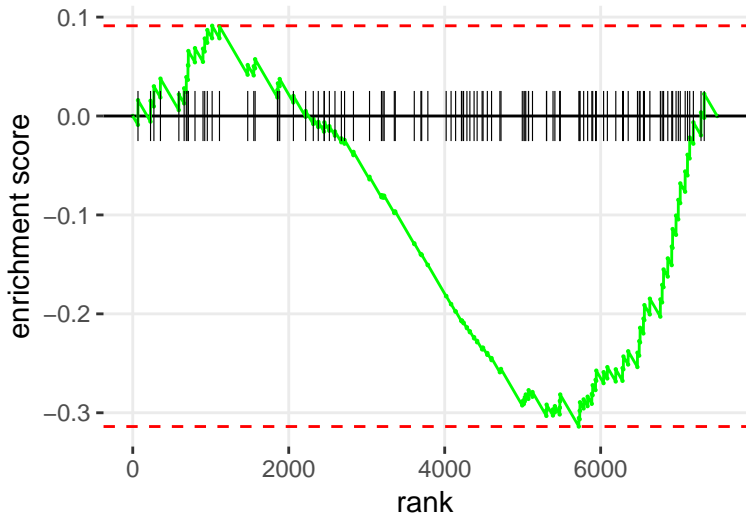
rank



GLYOXYLATE AND DICARBOXYLATE METABOLISM



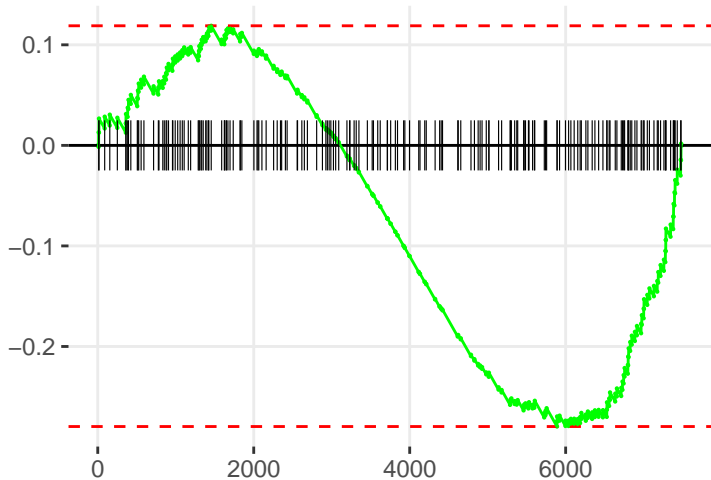
HYALURONAN METABOLISM



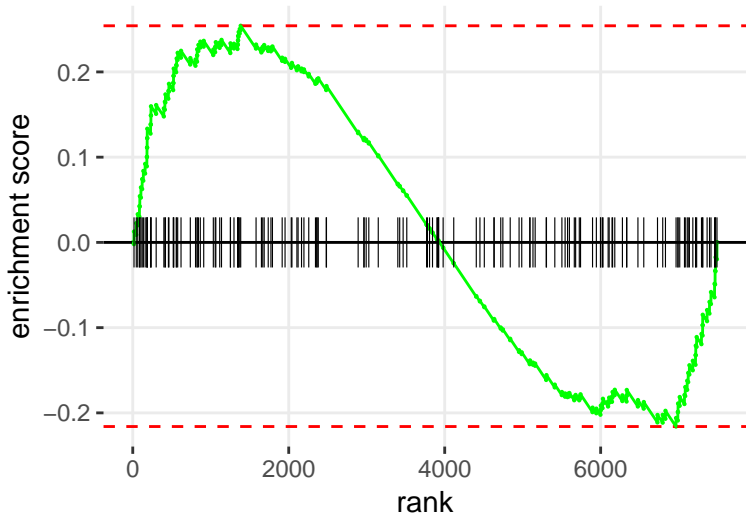
TCA CYCLE

enrichment score

rank

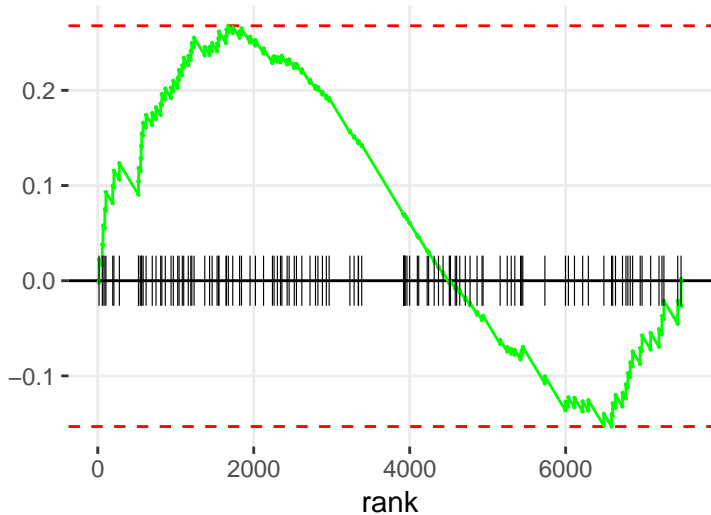


SELENOAMINO ACID METABOLISM

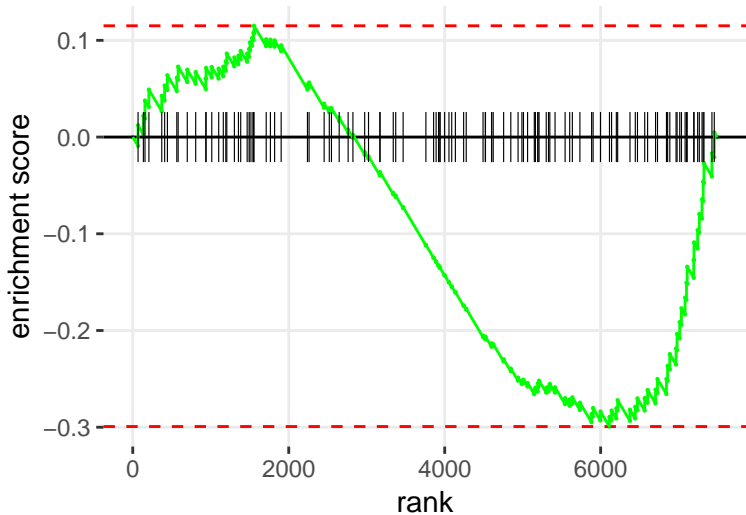


BILE ACID BIOSYNTHESIS

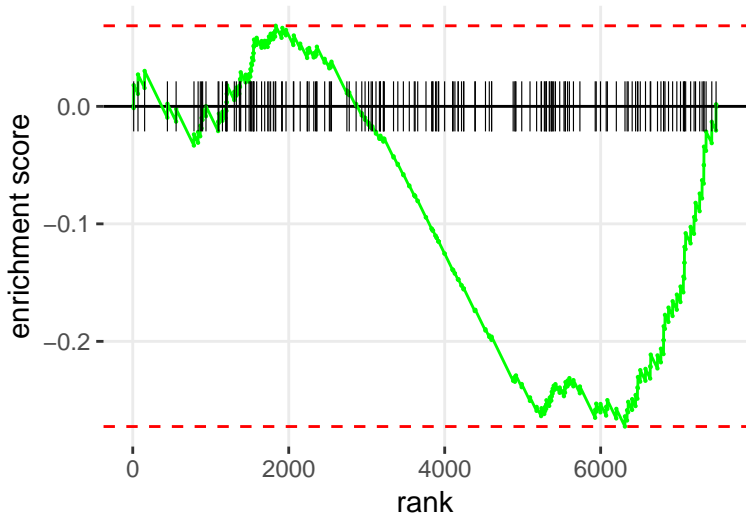
enrichment score



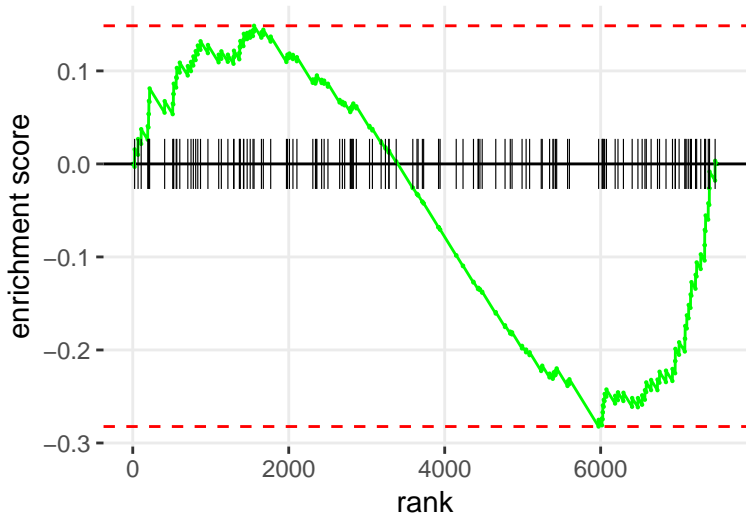
ARACHIDONIC ACID METABOLISM



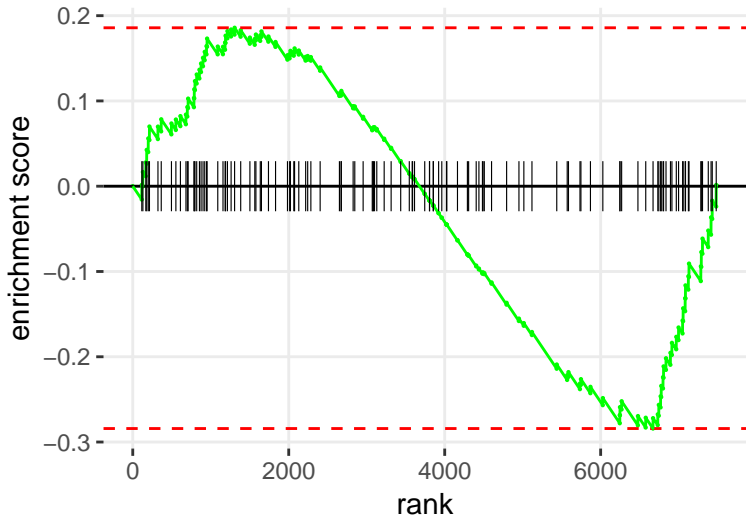
SATURATED FATTY ACIDS BETA-OXIDATION



VITAMIN D3 (CHOLECALCIFEROL) METABOLISM



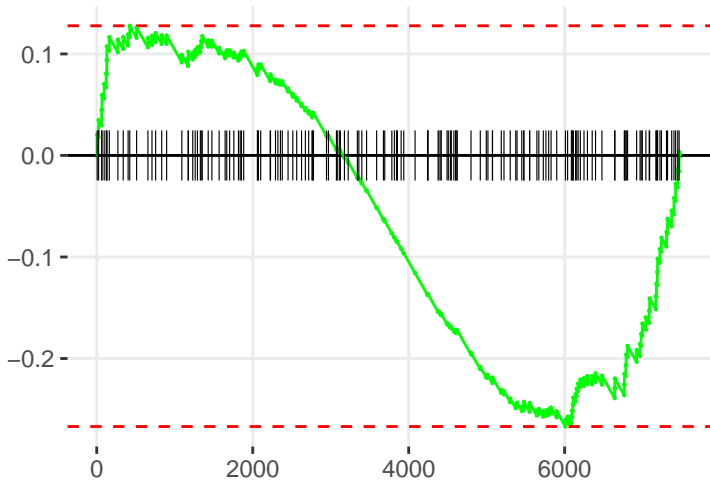
GLYCOSPHINGOLIPID BIOSYNTHESIS – NEOLACTOSERIES



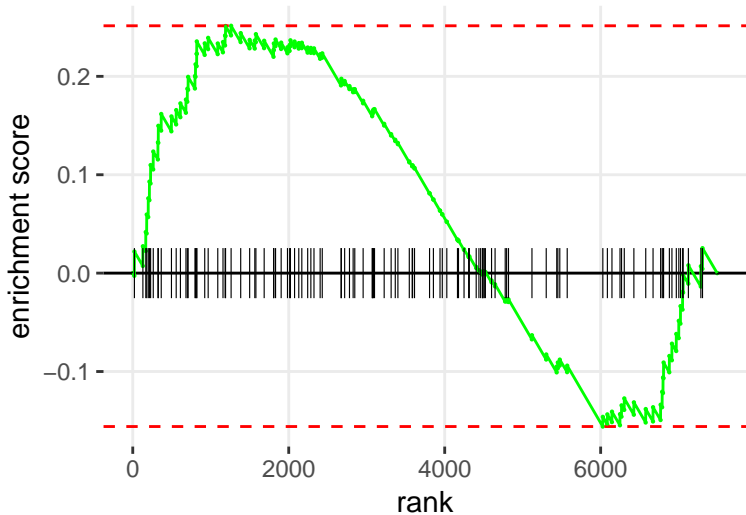
KERATAN SULFATE DEGRADATION

enrichment score

rank

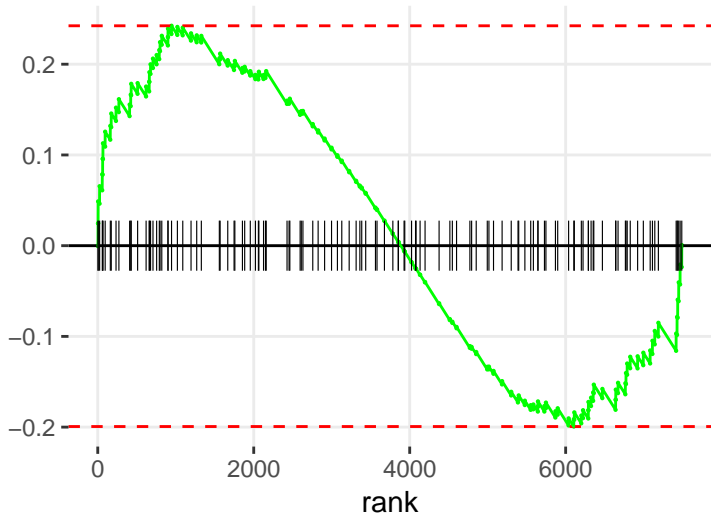


GLYCOSPHINGOLIPID BIOSYNTHESIS – LACTOSERIES



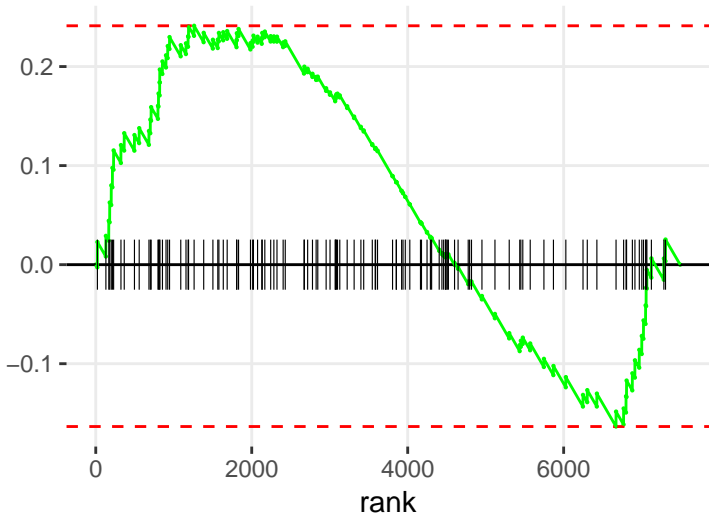
GLYCOSPHINGOLIPID BIOSYNTHESIS – GANGLIOSERIES

enrichment score



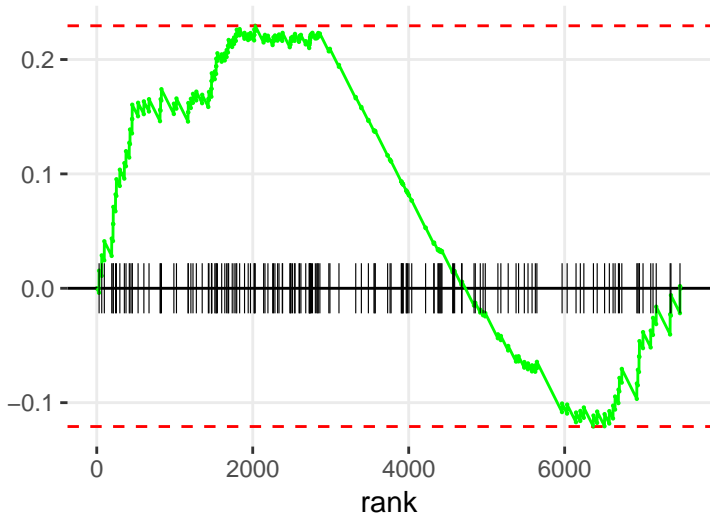
BLOOD GROUP BIOSYNTHESIS

enrichment score

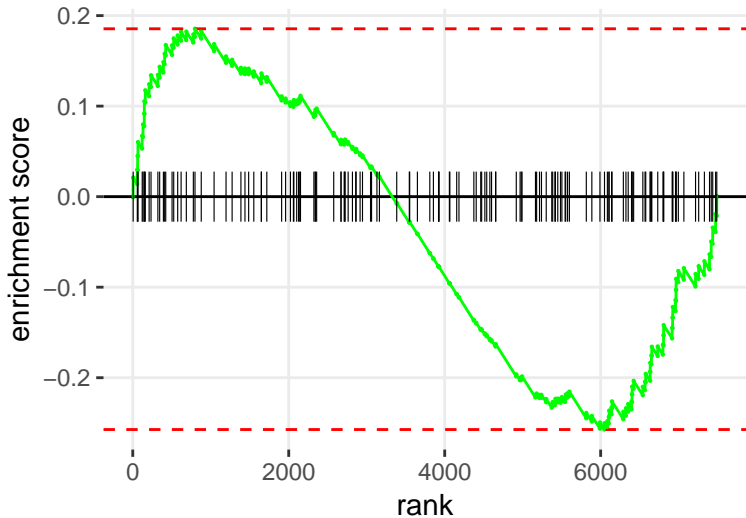


PYRIMIDINE METABOLISM

enrichment score



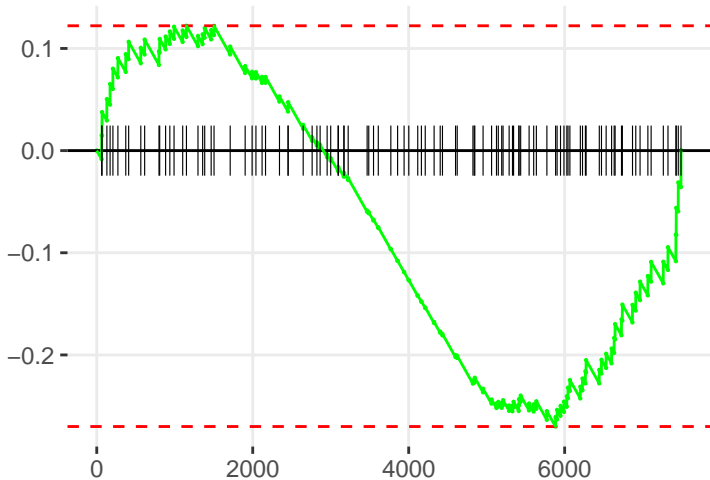
GLYCOSPHINGOLIPID METABOLISM



LINOLEATE METABOLISM

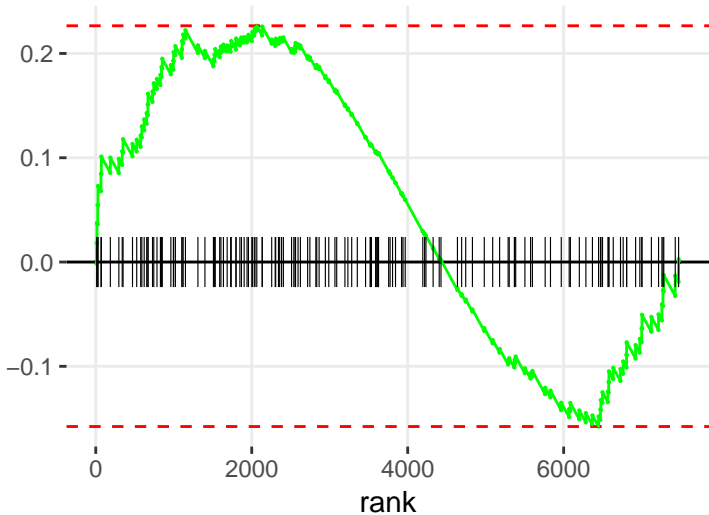
enrichment score

rank



VITAMIN B1 (THIAMIN) METABOLISM

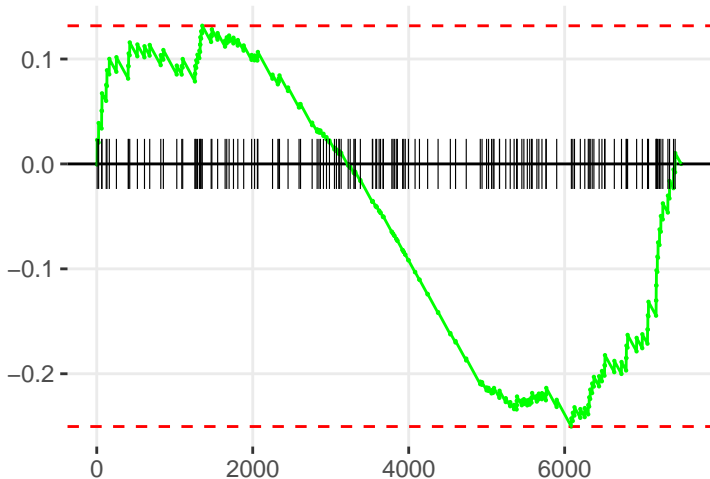
enrichment score



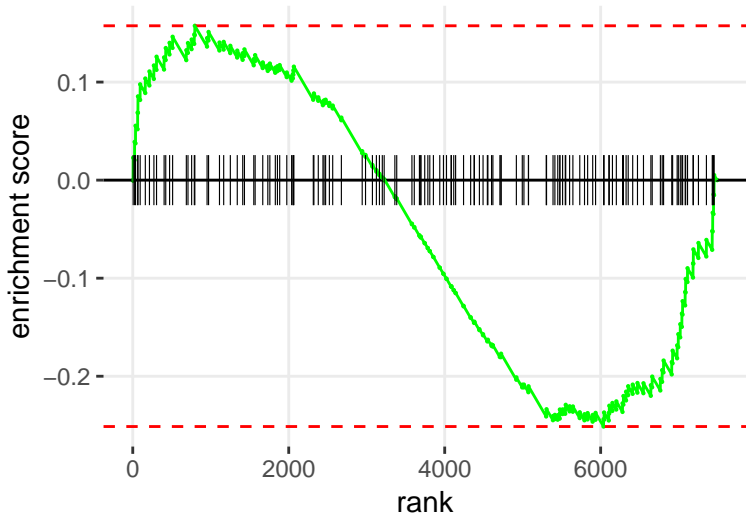
SIALIC ACID METABOLISM

enrichment score

rank

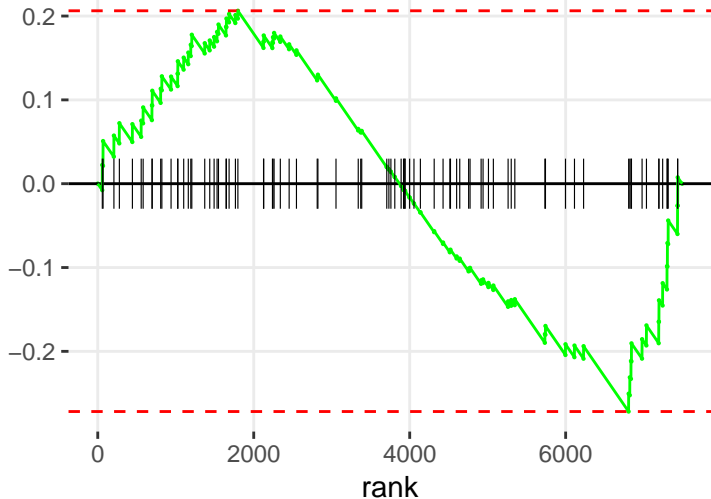


GLYCOSAMINOGLYCAN DEGRADATION

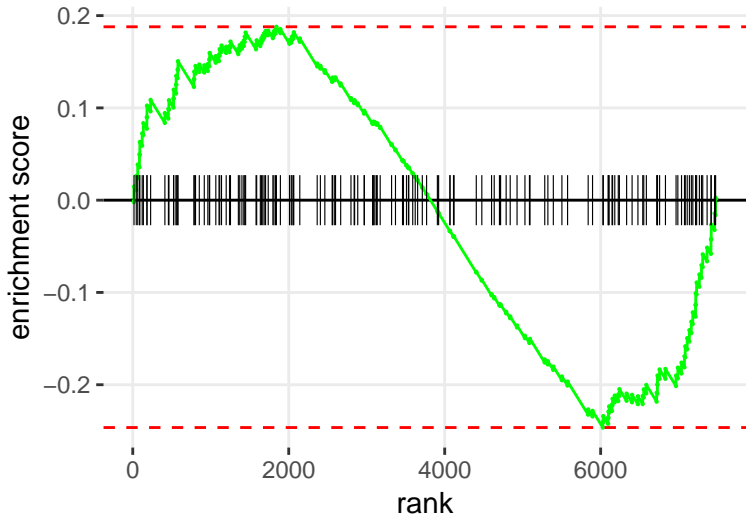


TYROSINE METABOLISM

enrichment score



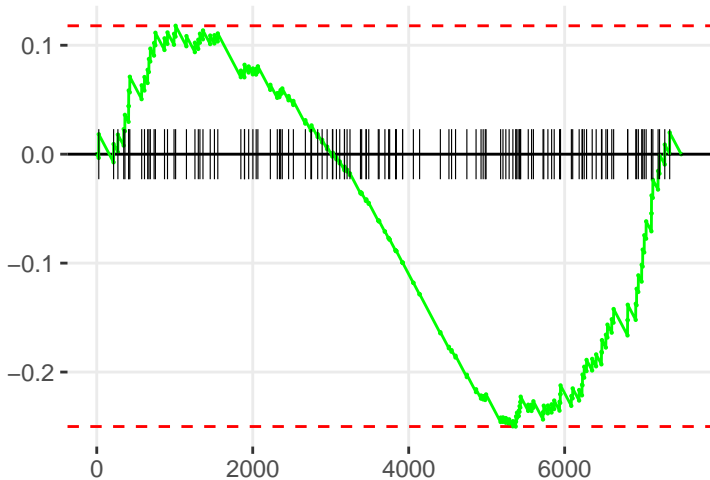
METHIONINE AND CYSTEINE METABOLISM



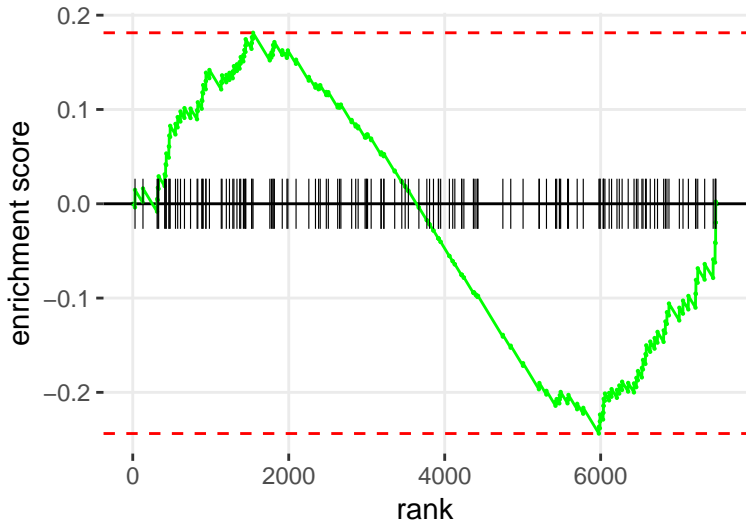
PORPHYRIN METABOLISM

enrichment score

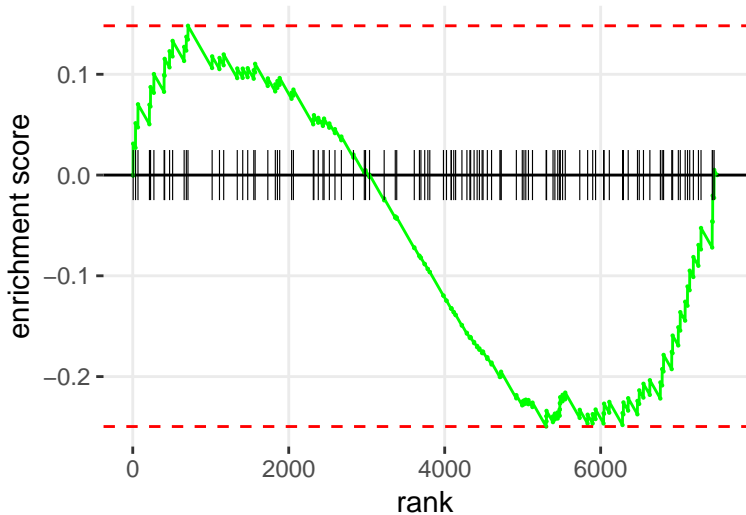
rank



BIOPTERIN METABOLISM



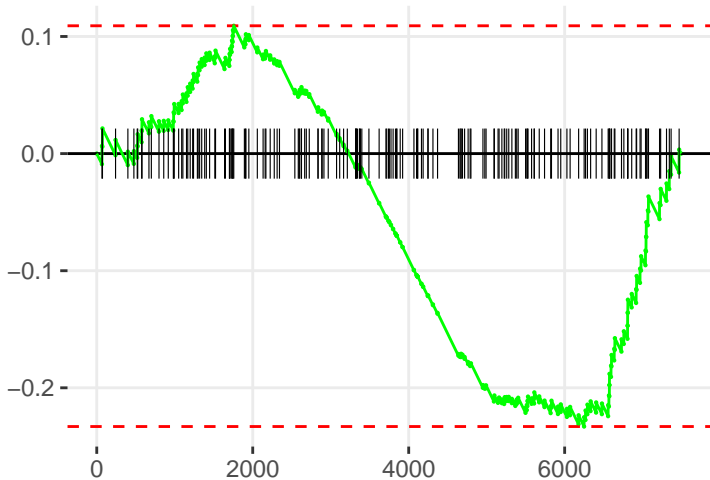
CHONDROITIN SULFATE DEGRADATION



CAFFEINE METABOLISM

enrichment score

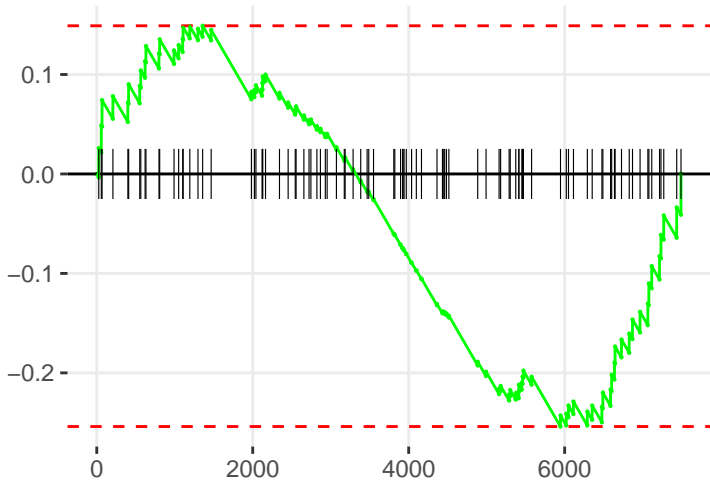
rank



C21-STEROID HORMONE BIOSYNTHESIS AND METABOLISM

enrichment score

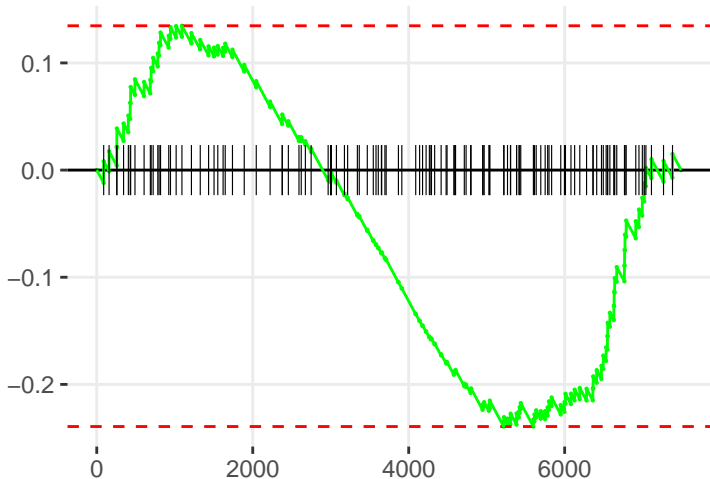
rank



HEPARAN SULFATE BIOSYNTHESIS

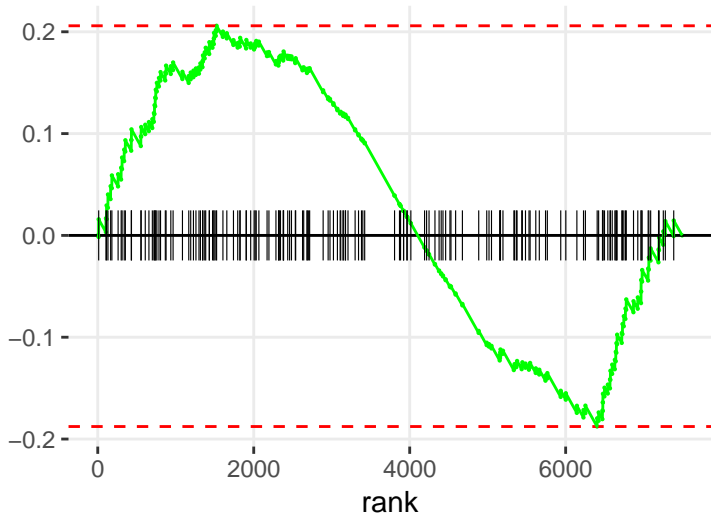
enrichment score

rank

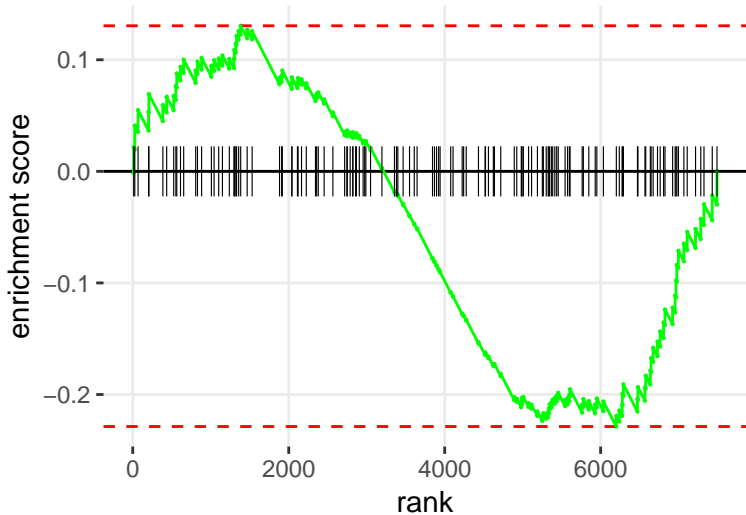


VITAMIN K METABOLISM

enrichment score



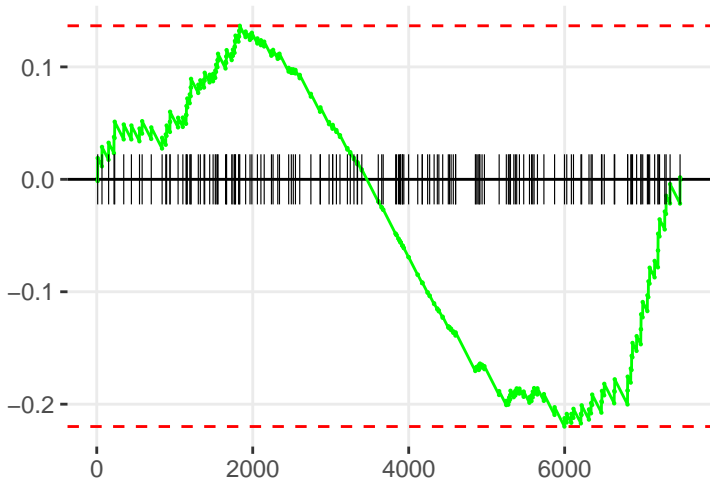
SQUALENE AND CHOLESTEROL BIOSYNTHESIS



VITAMIN E METABOLISM

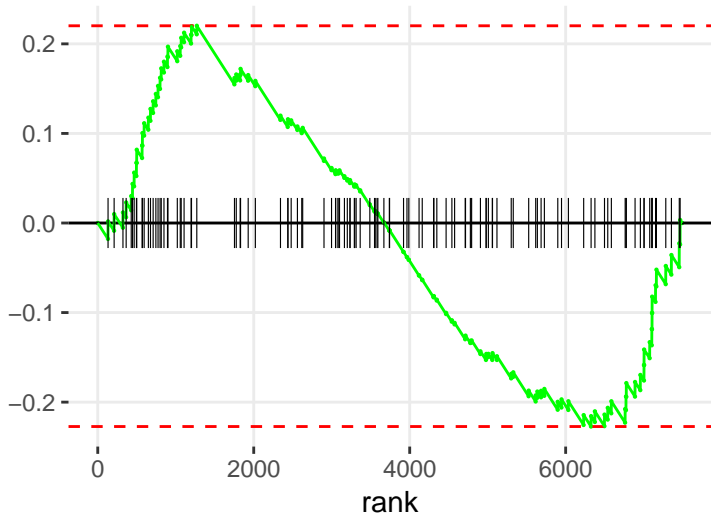
enrichment score

rank



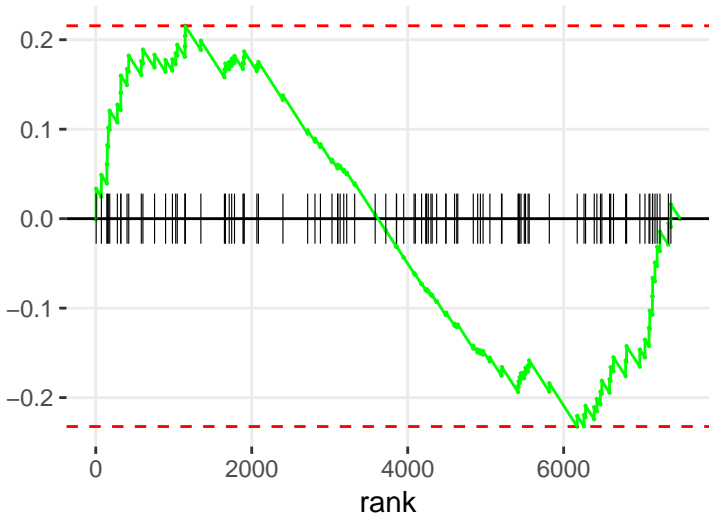
N-GLYCAN BIOSYNTHESIS

enrichment score



GLYCEROPHOSPHOLIPID METABOLISM

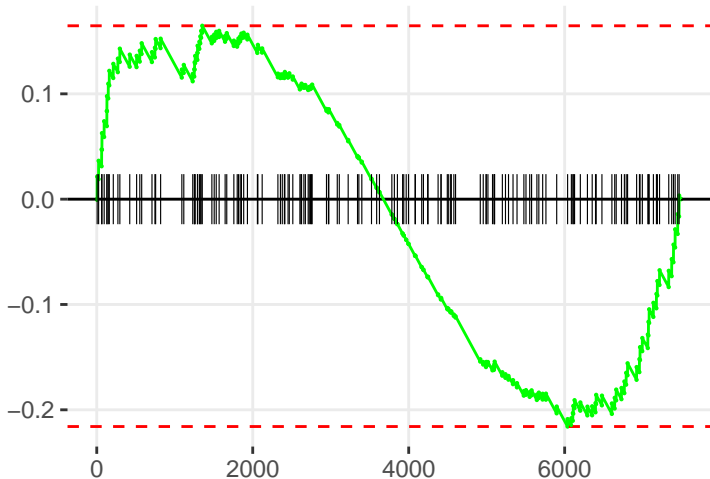
enrichment score



N-GLYCAN DEGRADATION

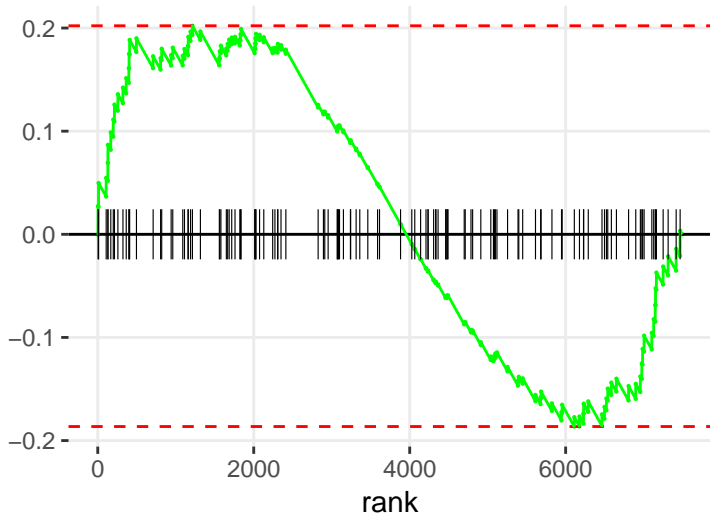
enrichment score

rank

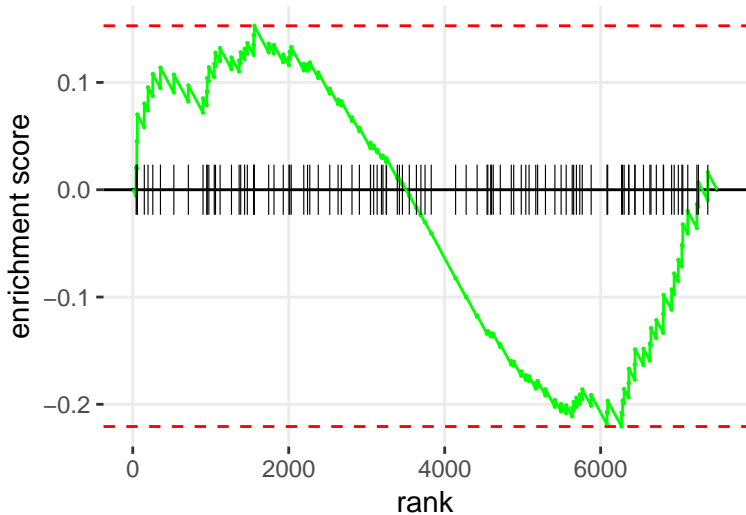


O-GLYCAN BIOSYNTHESIS

enrichment score



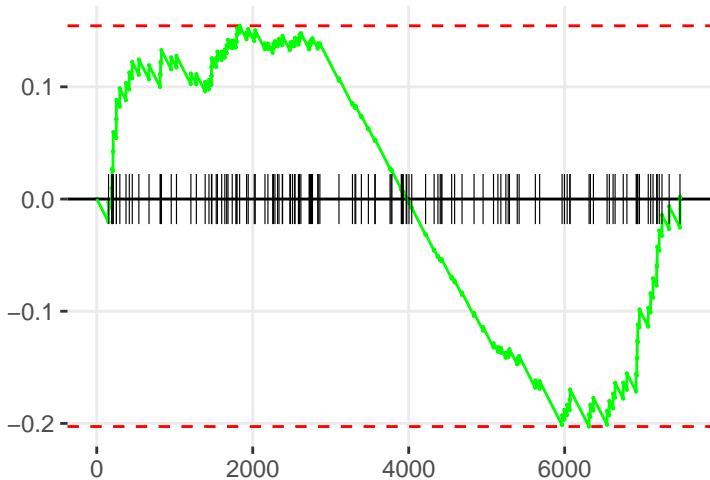
PHOSPHATIDYLINOSITOL PHOSPHATE METABOLISM



PURINE METABOLISM

enrichment score

rank



ELECTRON TRANSPORT CHAIN

enrichment score

0.0

-0.1

0

2000

4000

6000

rank

