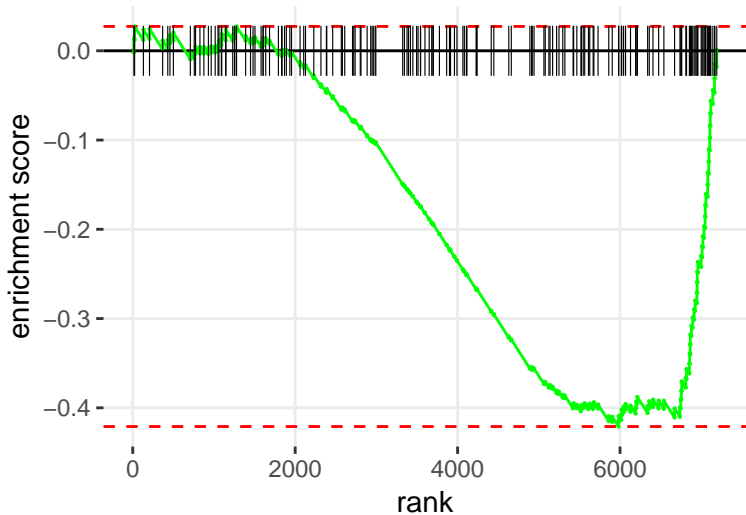


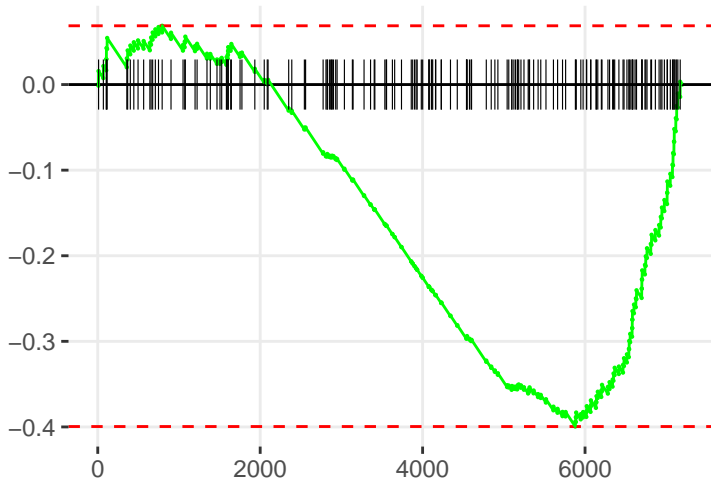
LIPOATE METABOLISM



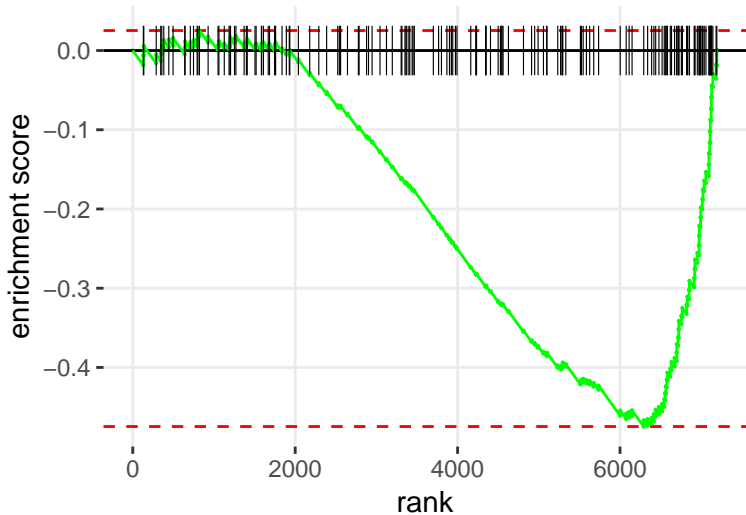
NITROGEN METABOLISM

enrichment score

rank



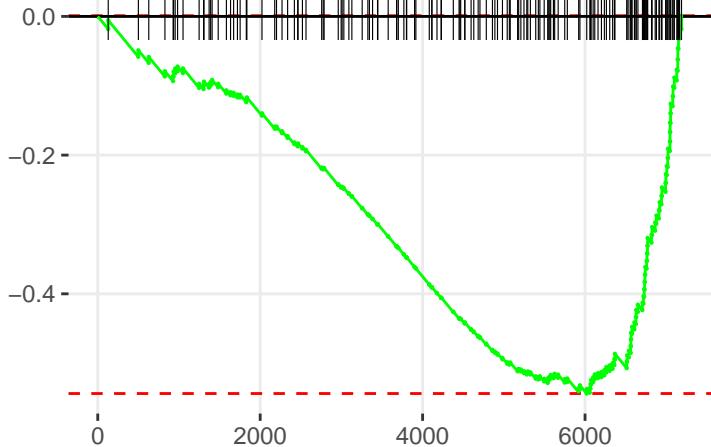
C5-BRANCHED DIBASIC ACID METABOLISM



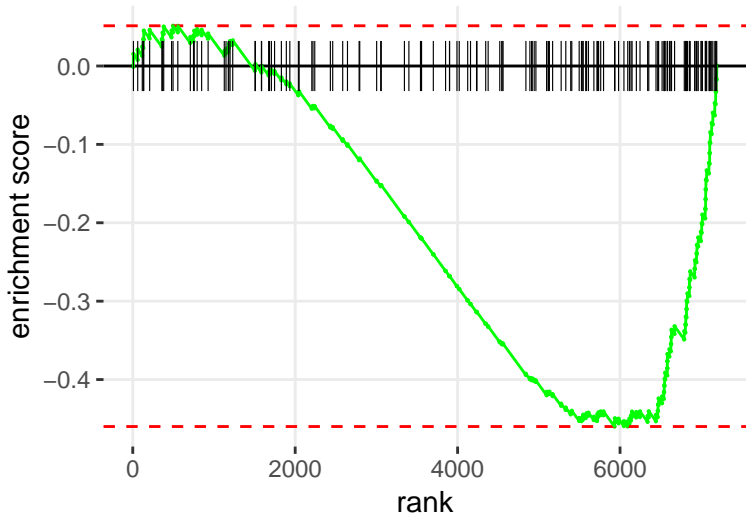
PENTOSE PHOSPHATE PATHWAY

enrichment score

rank



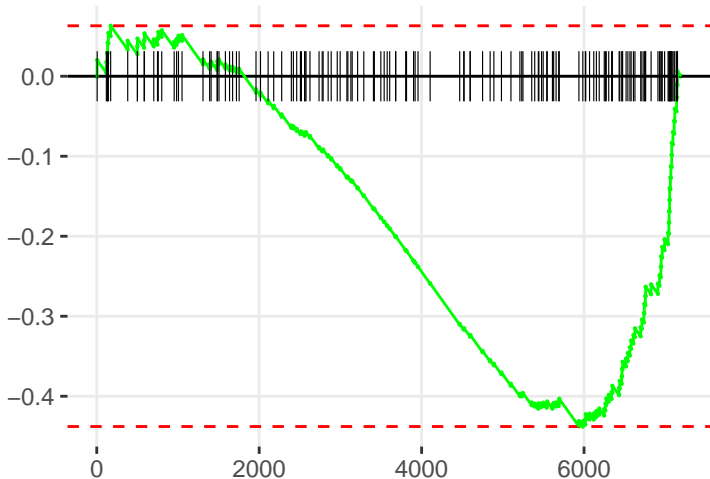
VITAMIN B6 (PYRIDOXINE) METABOLISM



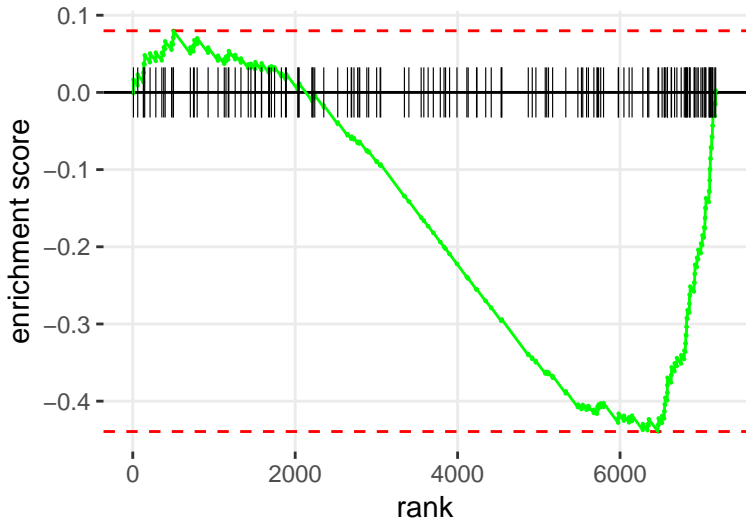
GALACTOSE METABOLISM

enrichment score

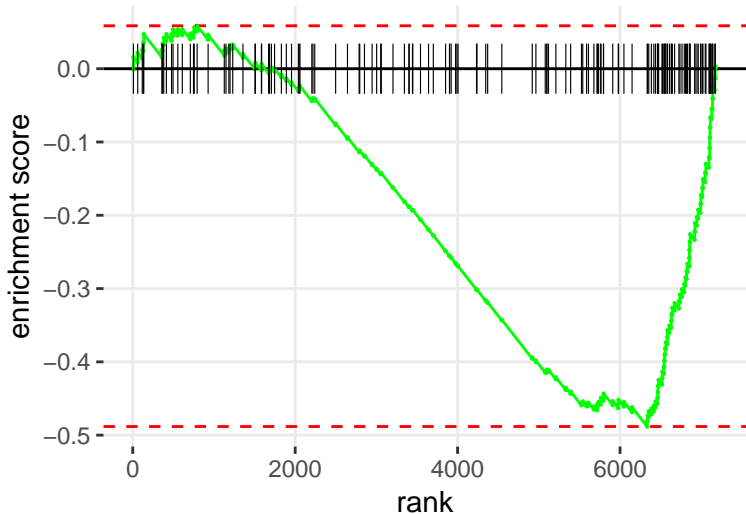
rank



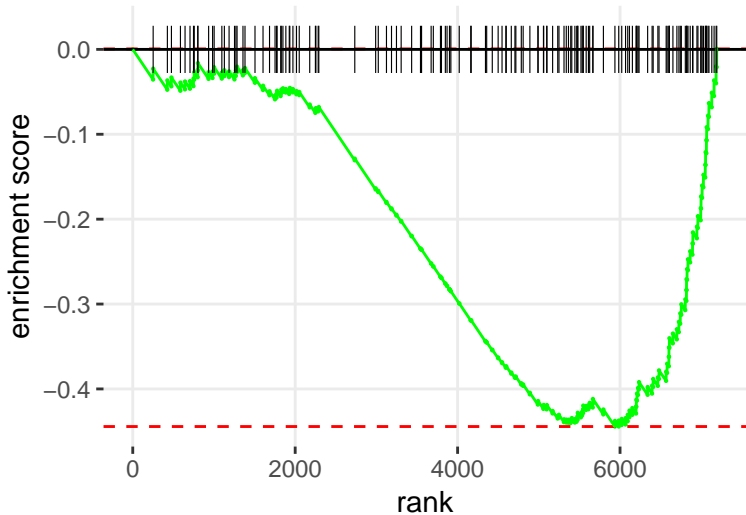
1- AND 2-METHYLNAPHTHALENE DEGRADATION



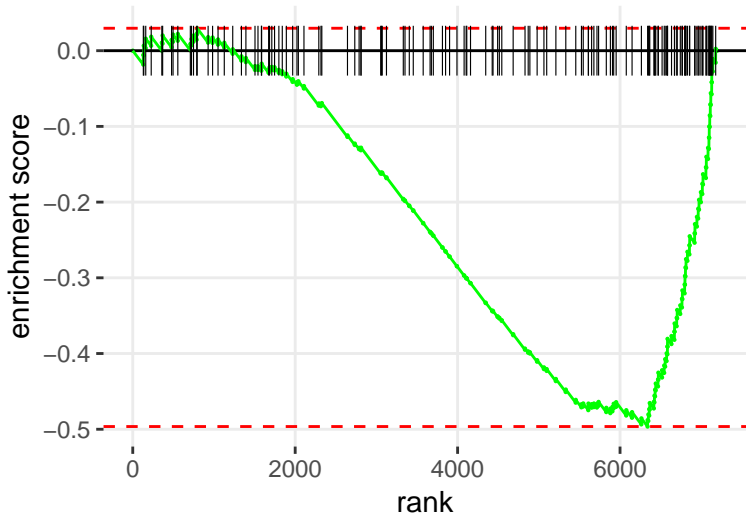
VITAMIN B5 – COA BIOSYNTHESIS FROM PANTOTHENATE



LIMONENE AND PINENE DEGRADATION



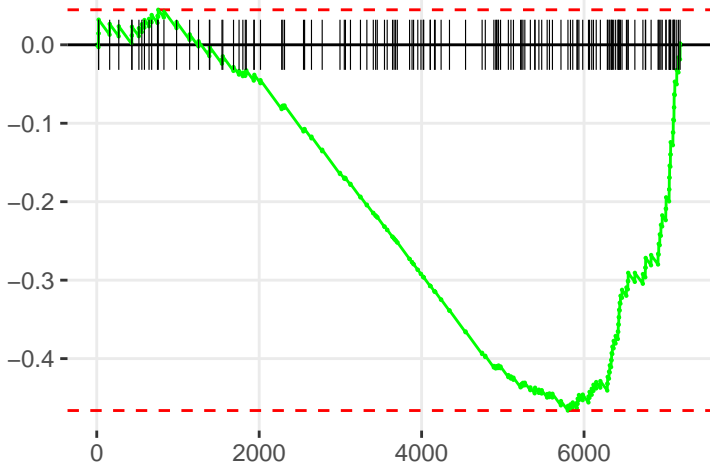
PENTOSE AND GLUCURONATE INTERCONVERSIONS



PYRUVATE METABOLISM

enrichment score

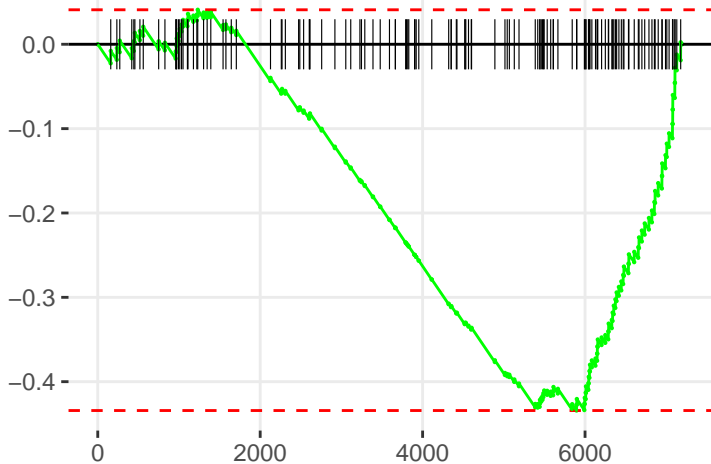
rank



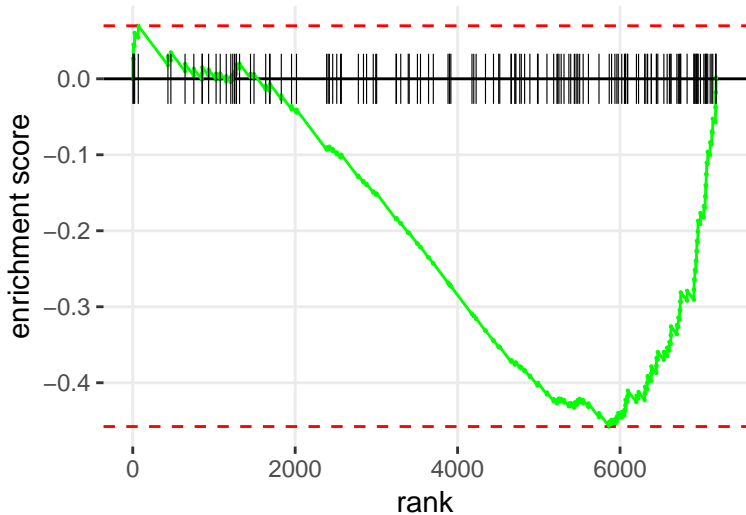
ALKALOID BIOSYNTHESIS II

enrichment score

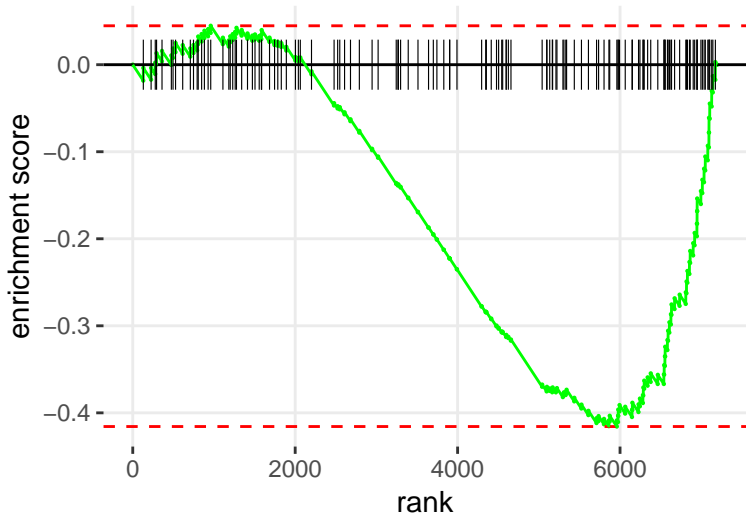
rank



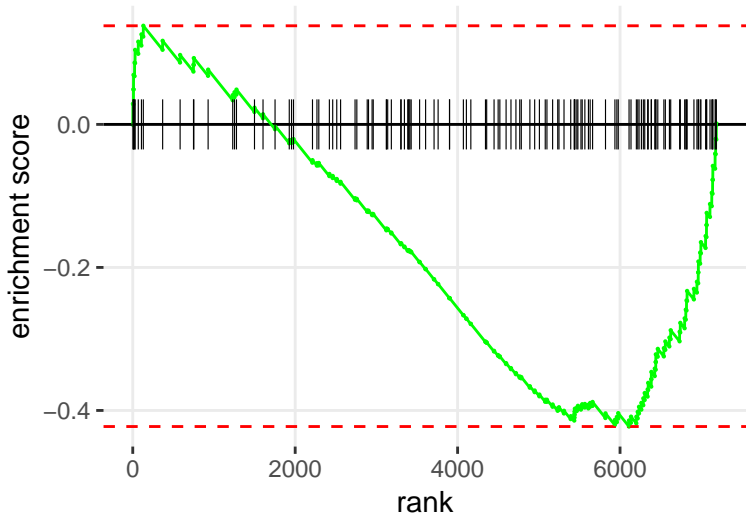
AMINOSUGARS METABOLISM



GLYCOSYLPHOSPHATIDYLINOSITOL(GPI)-ANCHOR BIOSYNTHESIS



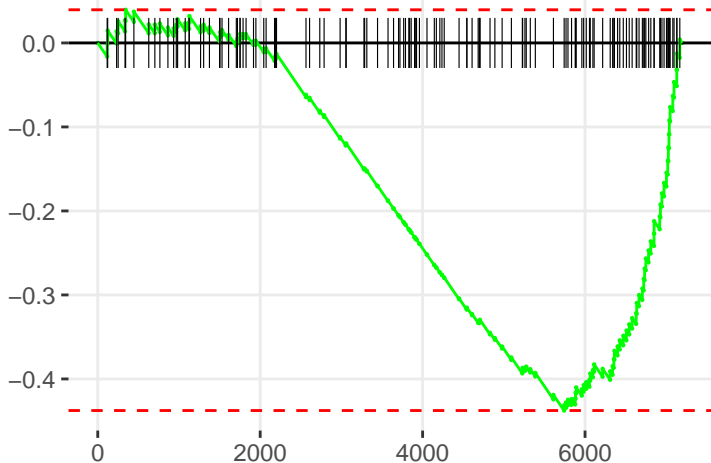
HEXOSE PHOSPHORYLATION



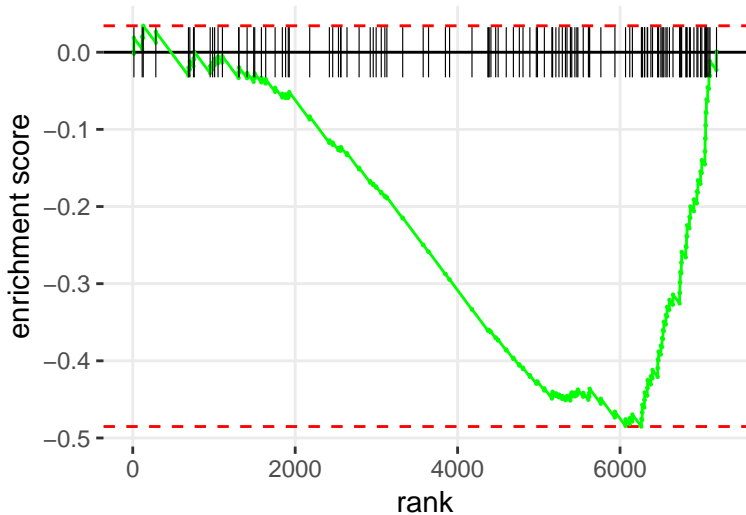
ASPARTATE AND ASPARAGINE METABOLISM

enrichment score

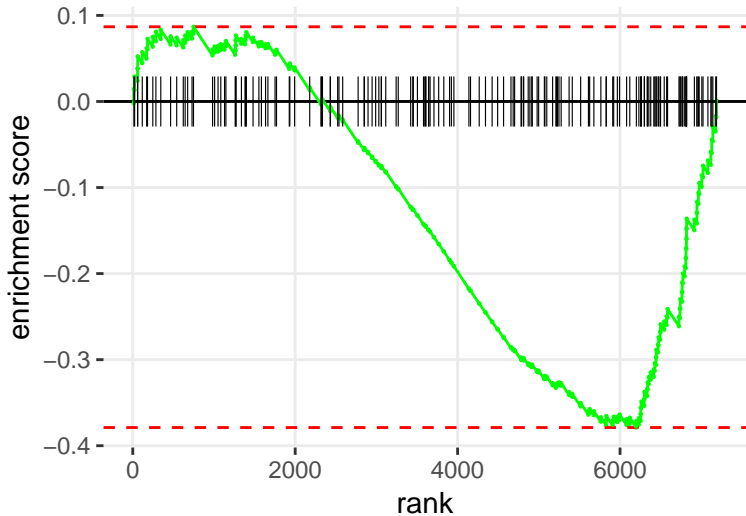
rank



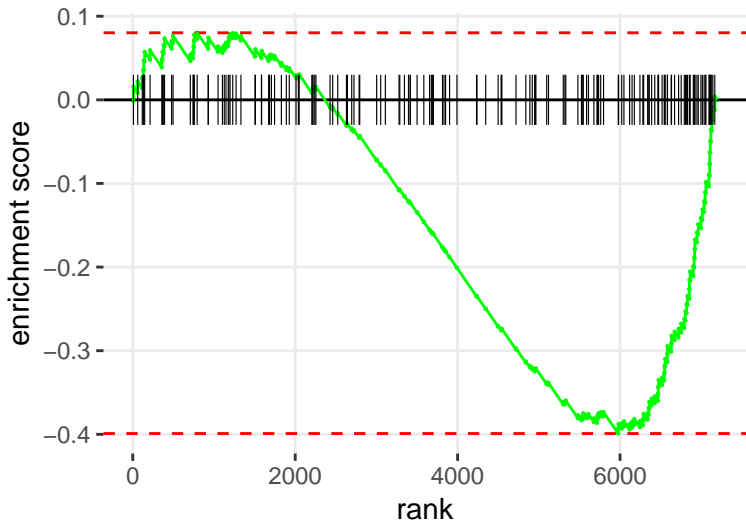
CARBON FIXATION



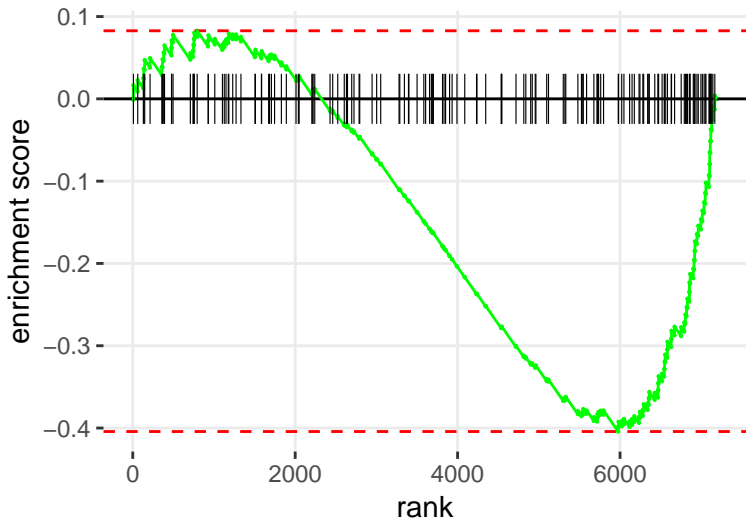
ROS DETOXIFICATION



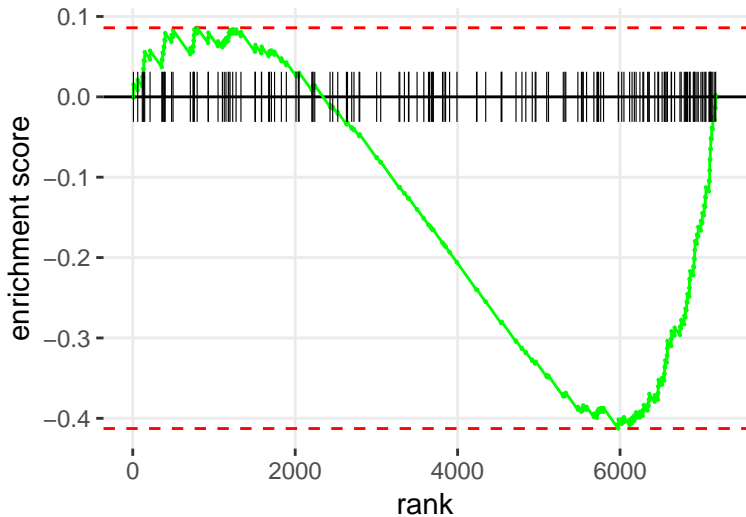
FATTY ACID OXIDATION



VITAMIN H (BIOTIN) METABOLISM



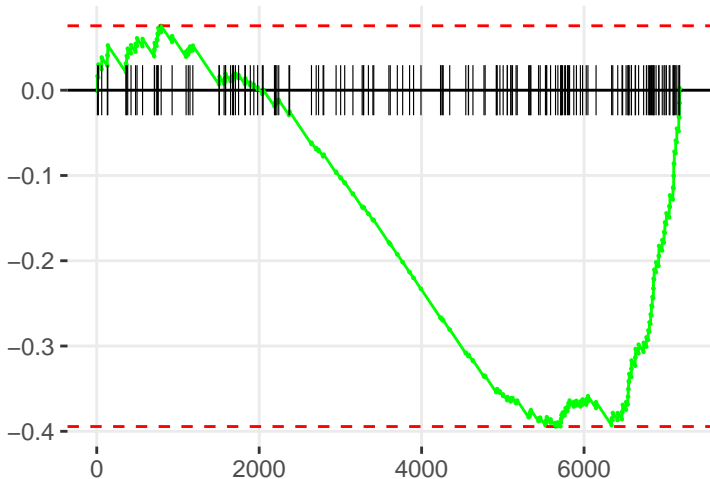
GERANIOL DEGRADATION



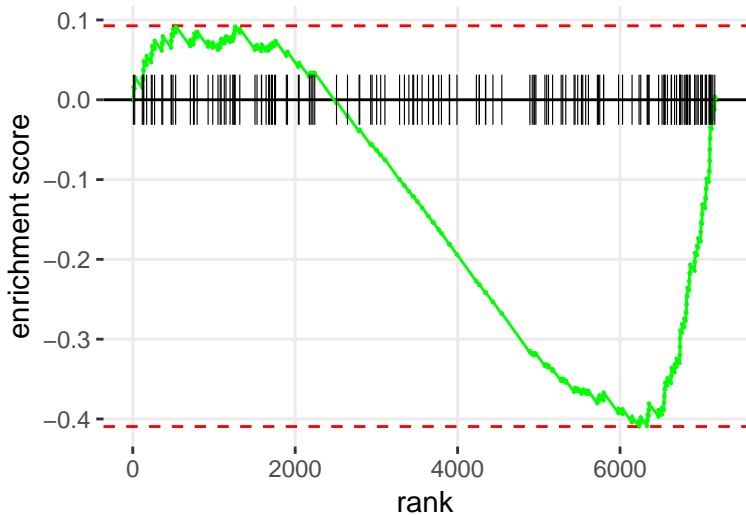
FATTY ACID OXIDATION, PEROXISOME

enrichment score

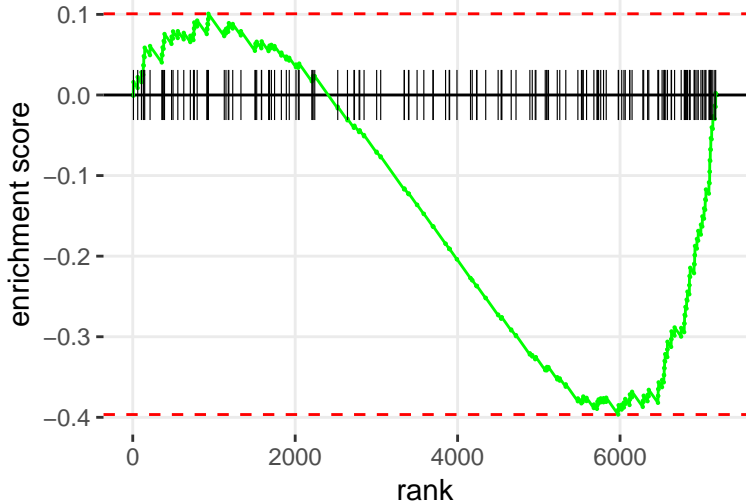
rank



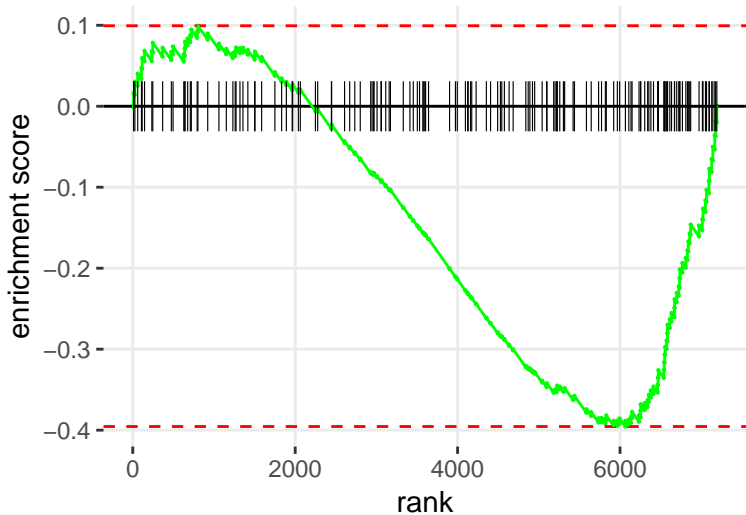
CARNITINE SHUTTLE



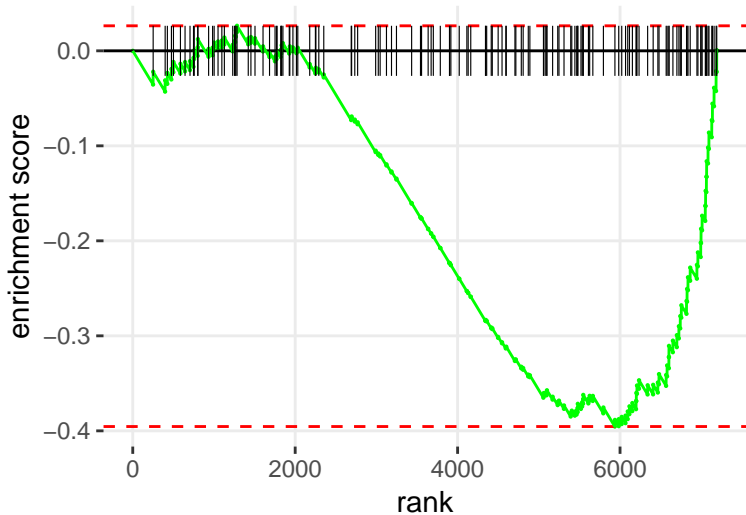
DYNORPHIN METABOLISM



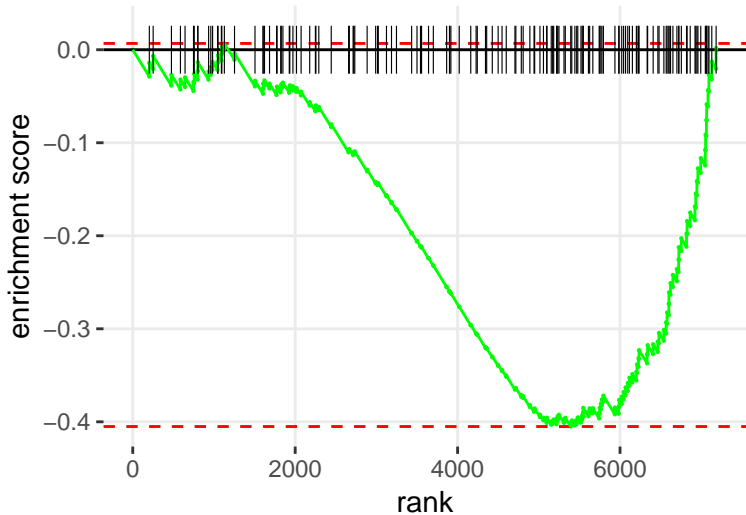
PROSTAGLANDIN FORMATION FROM DIHOMO GAMMA-LINOLEIC ACID



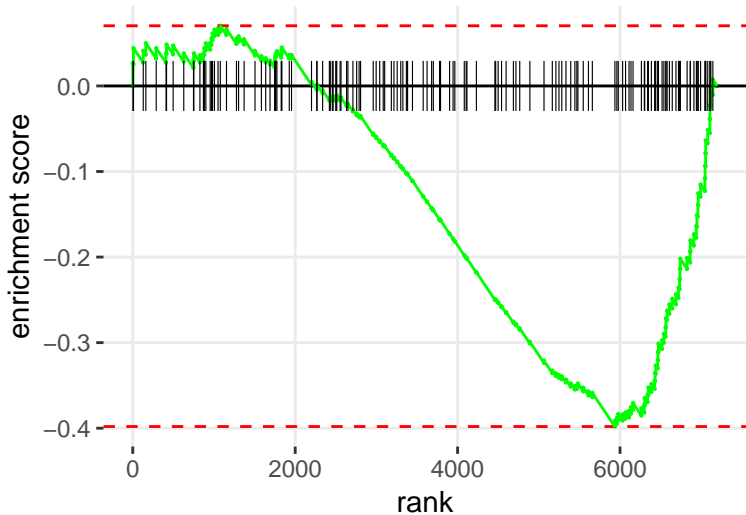
3-CHLOROACRYLIC ACID DEGRADATION



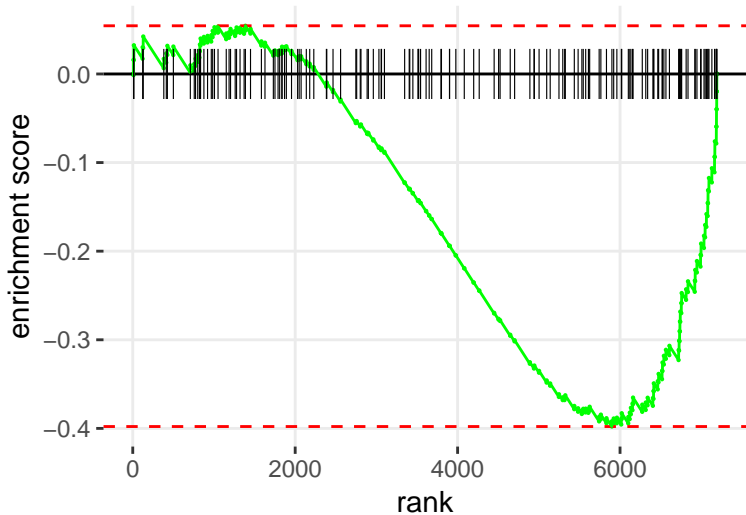
HISTIDINE METABOLISM



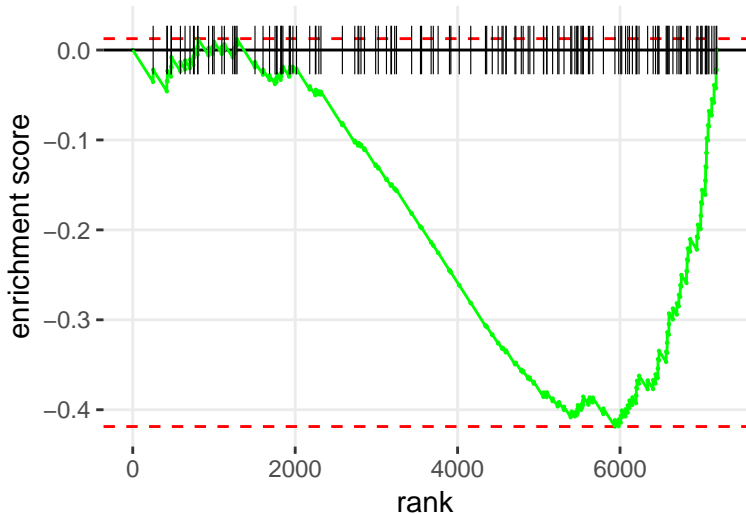
FRUCTOSE AND MANNOSE METABOLISM



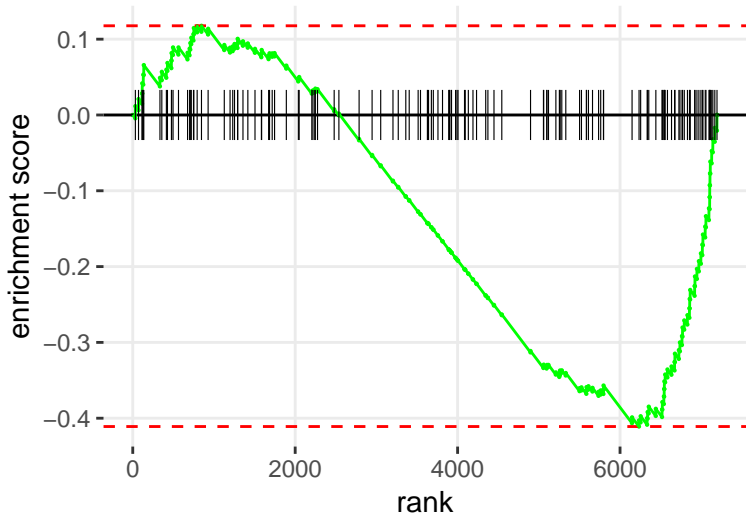
GLYCINE, SERINE, ALANINE AND THREONINE METABOLISM



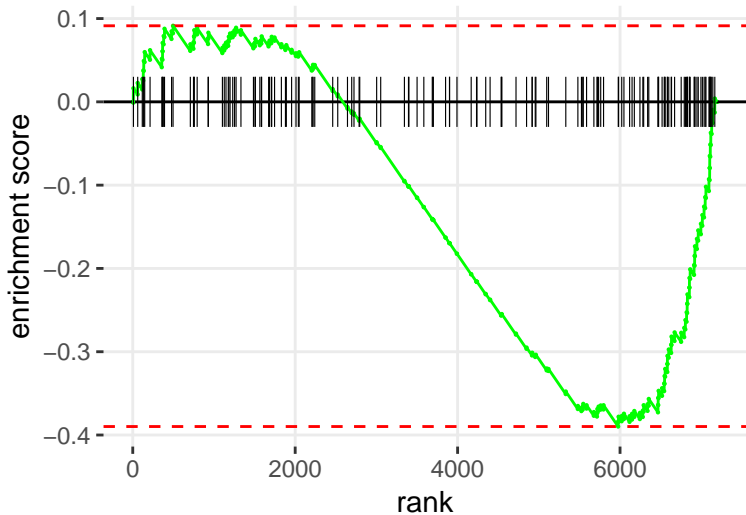
ASCORBATE (VITAMIN C) AND ALDARATE METABOLISM



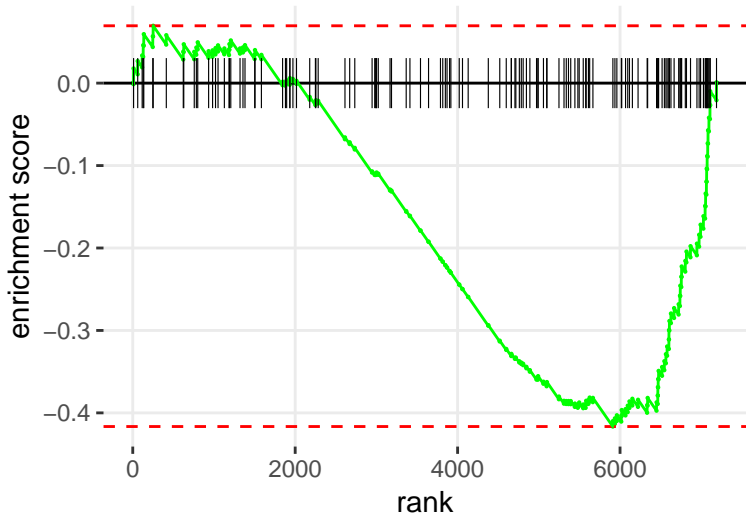
VITAMIN B2 (RIBOFLAVIN) METABOLISM



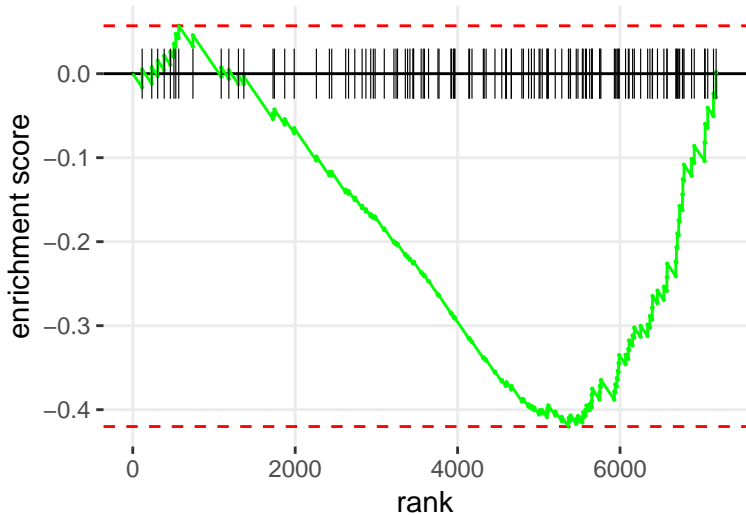
VITAMIN B12 (CYANOCOBALAMIN) METABOLISM



BUTANOATE METABOLISM



NUCLEOTIDE SUGAR METABOLISM



BETA-ALANINE METABOLISM

enrichment score

0.0

-0.1

-0.2

-0.3

-0.4

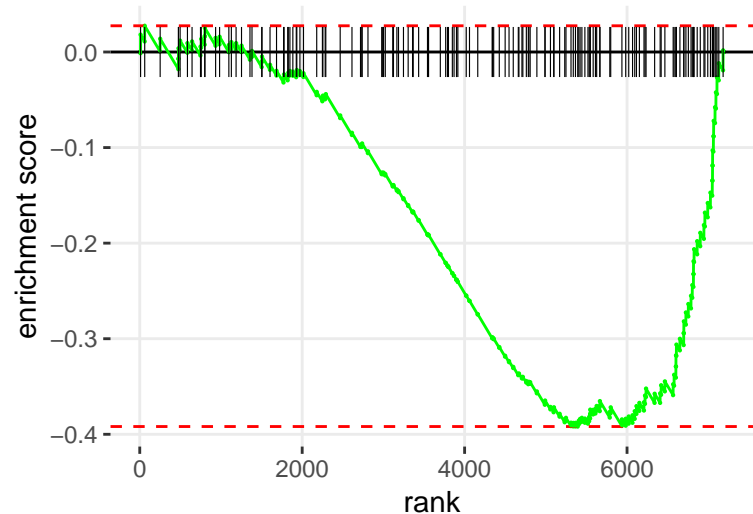
0

2000

4000

6000

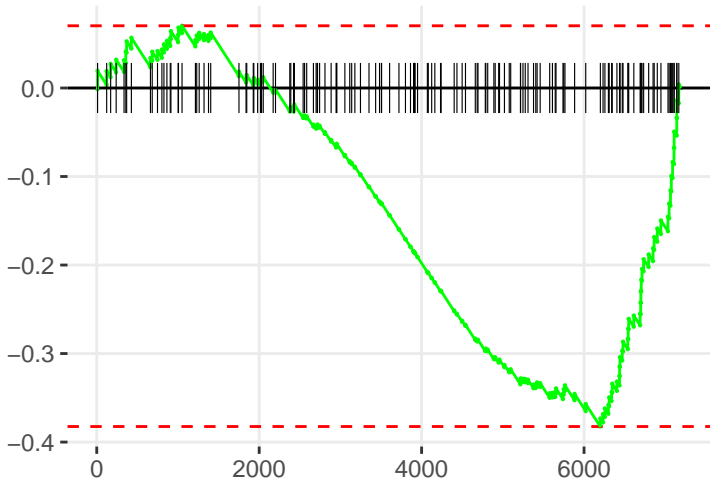
rank



GLUTATHIONE METABOLISM

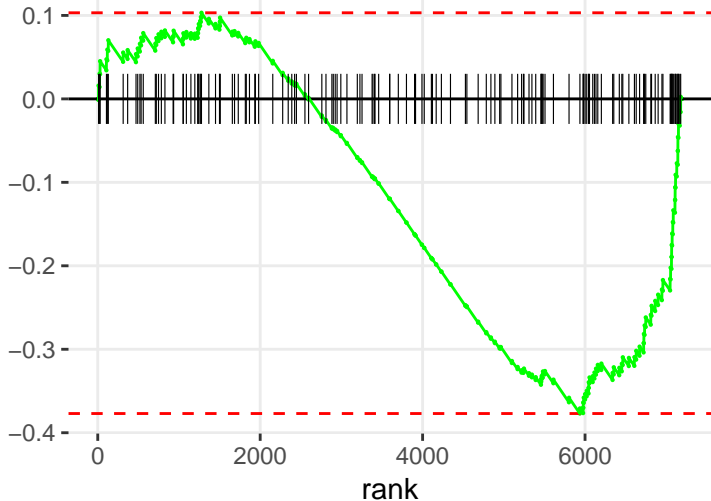
enrichment score

rank

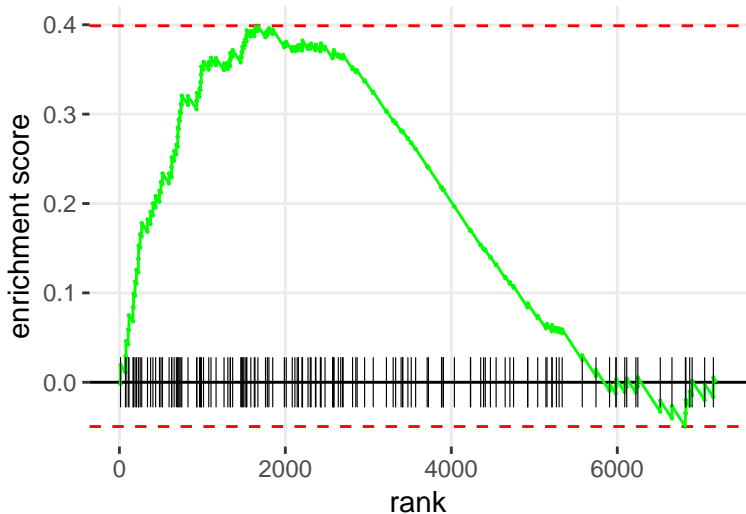


FATTY ACID ACTIVATION

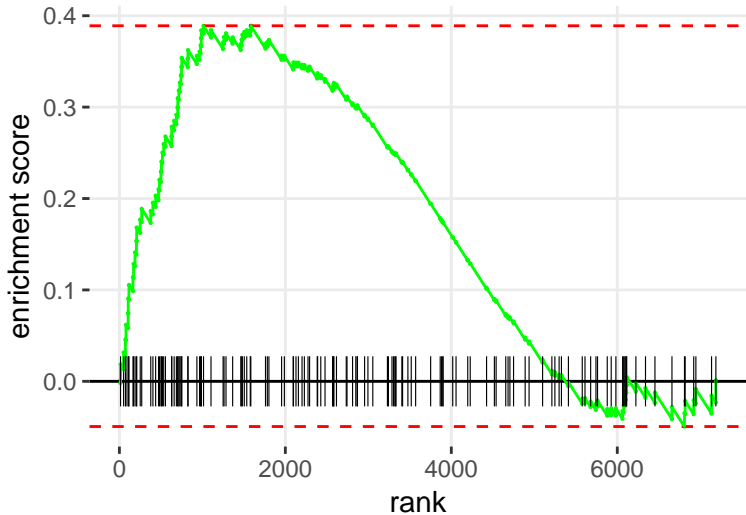
enrichment score



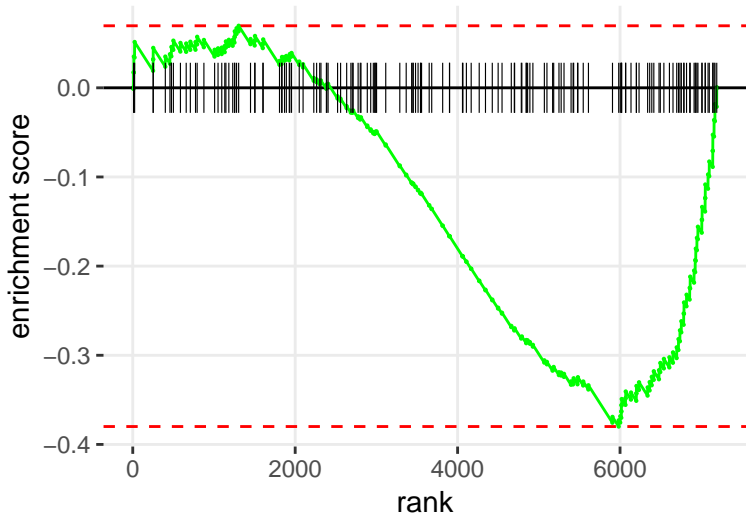
UREA CYCLE/AMINO GROUP METABOLISM



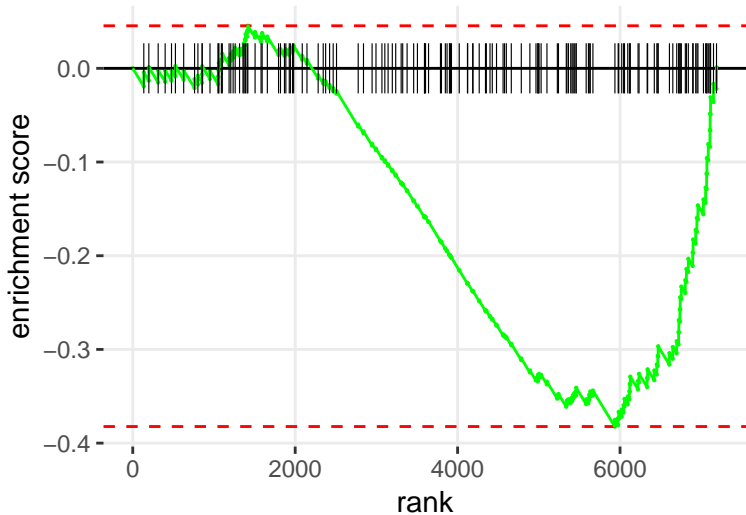
LYSINE METABOLISM



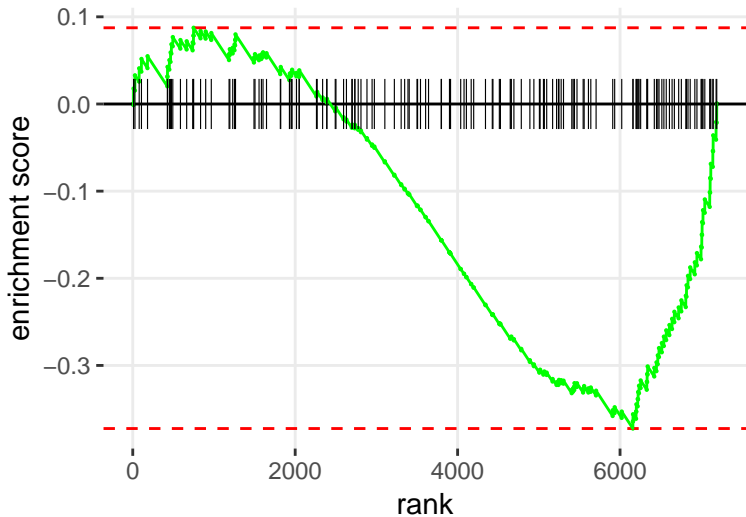
ALANINE AND ASPARTATE METABOLISM



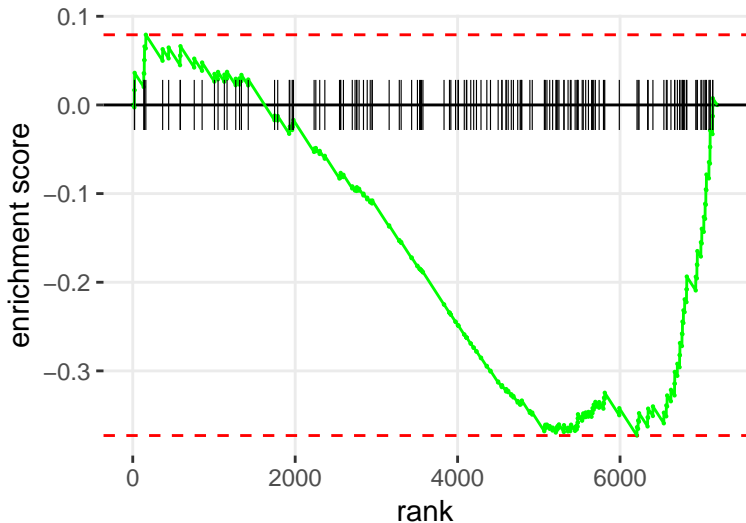
PHYTANIC ACID PEROXISOMAL OXIDATION



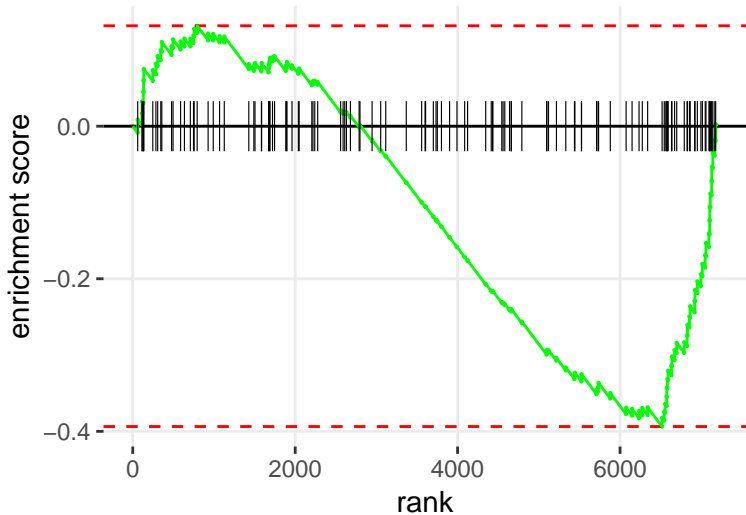
VITAMIN B9 (FOLATE) METABOLISM



STARCH AND SUCROSE METABOLISM



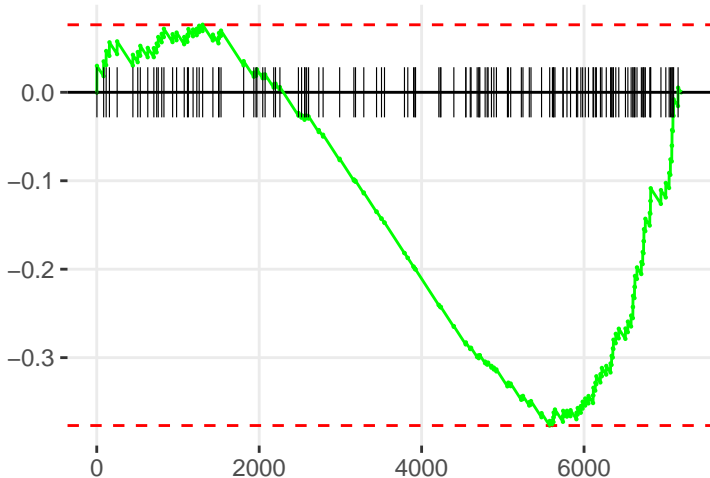
GLYCOSPHINGOLIPID BIOSYNTHESIS – GLOBOSERIES



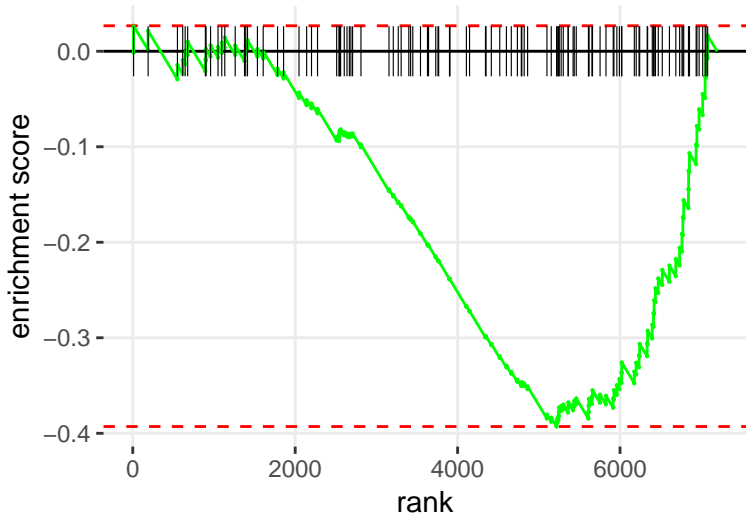
ARGININE AND PROLINE METABOLISM

enrichment score

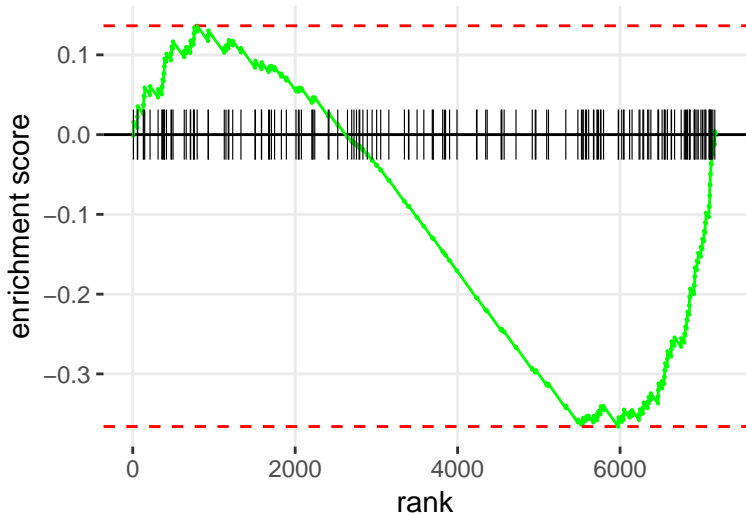
rank



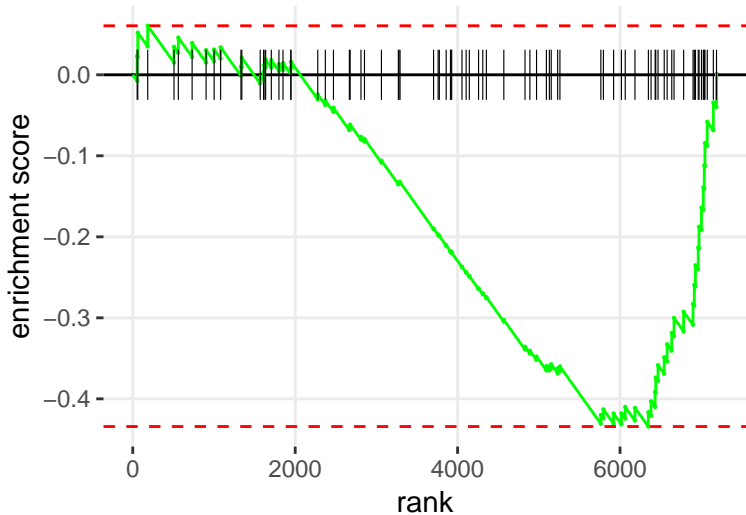
DRUG METABOLISM – OTHER ENZYMES



SPHINGOLIPID METABOLISM



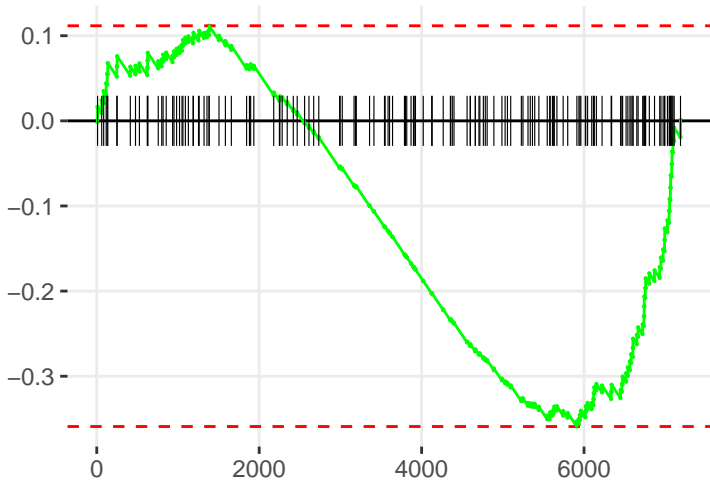
ANDROGEN AND ESTROGEN BIOSYNTHESIS AND METABOLISM



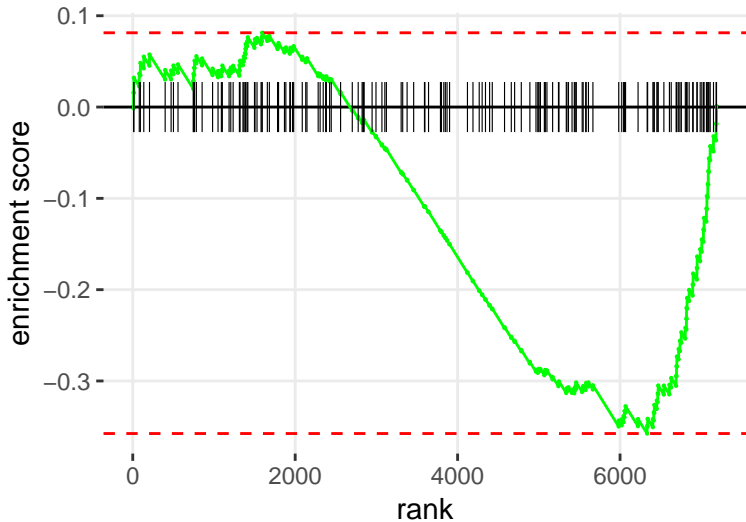
PROPANOATE METABOLISM

enrichment score

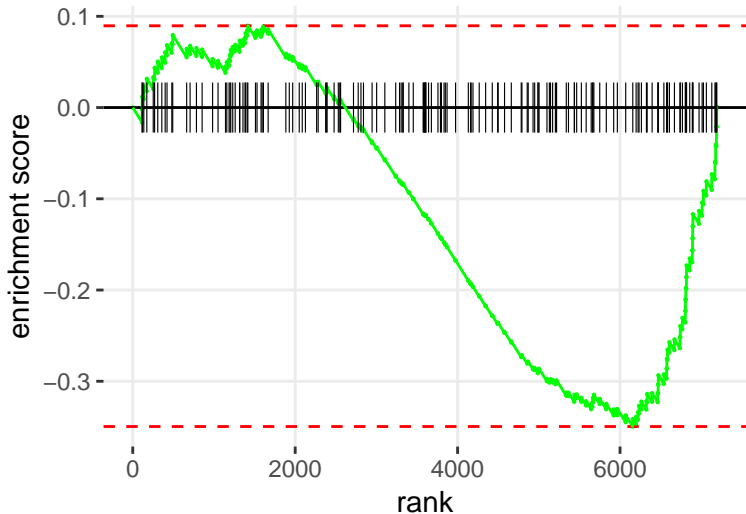
rank



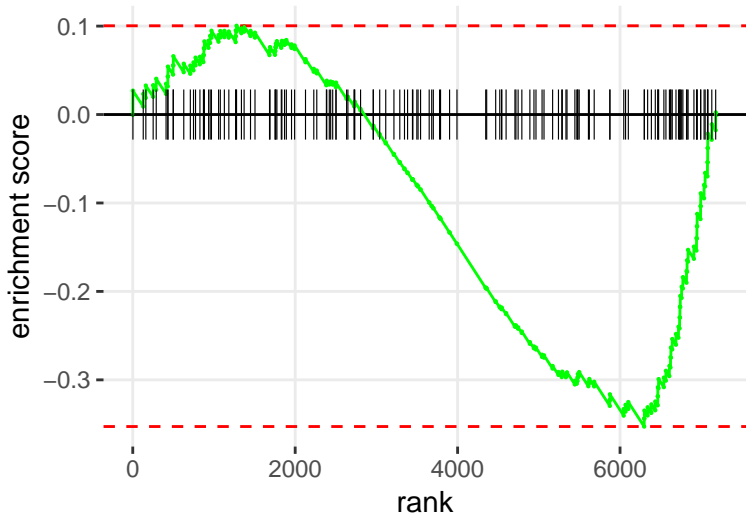
OMEGA-3 FATTY ACID METABOLISM



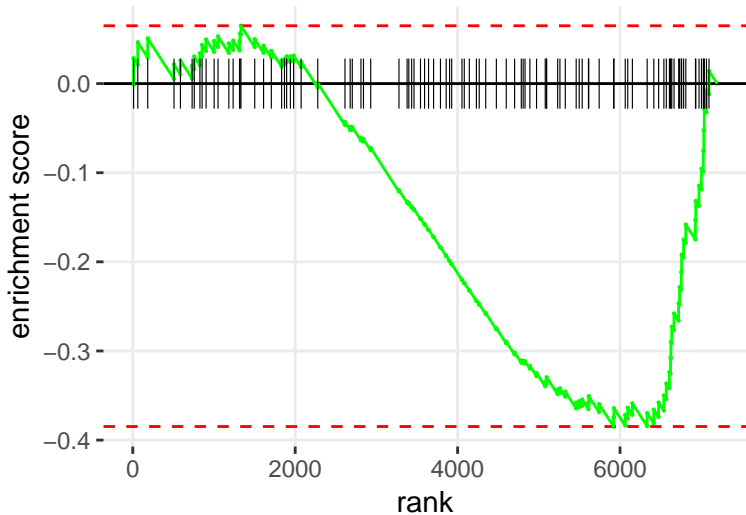
DIMETHYL-BRANCHED-CHAIN FATTY ACID MITOCHONDRIAL BETA-OXIDATION



GLYCOLYSIS AND GLUCONEOGENESIS



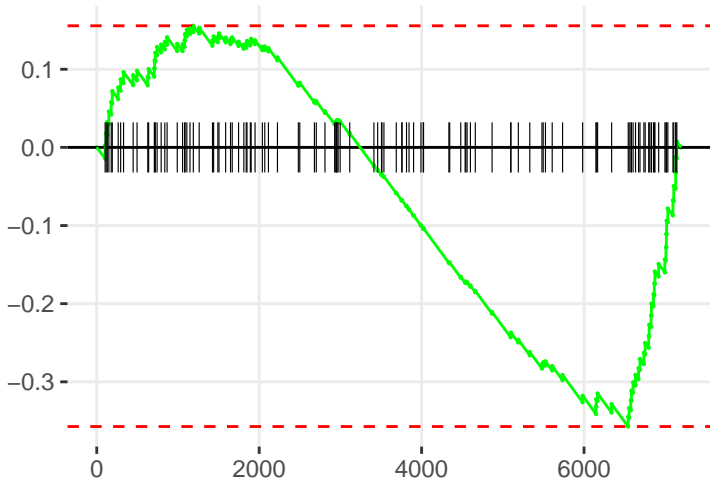
DRUG METABOLISM – CYTOCHROME P450



KERATAN SULFATE BIOSYNTHESIS

enrichment score

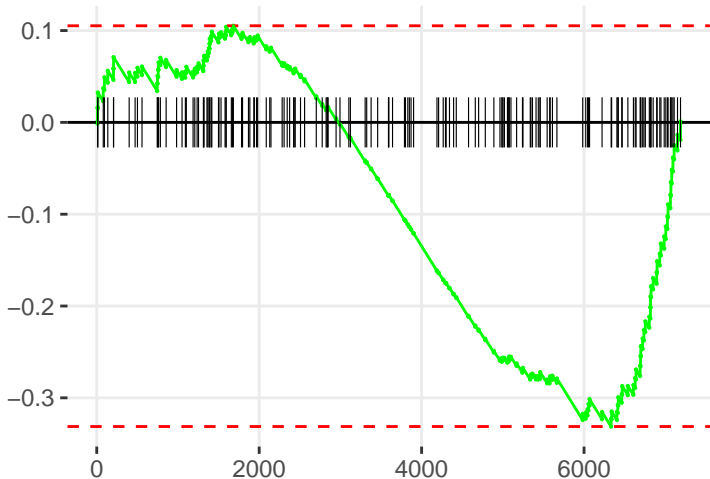
rank



OMEGA-6 FATTY ACID METABOLISM

enrichment score

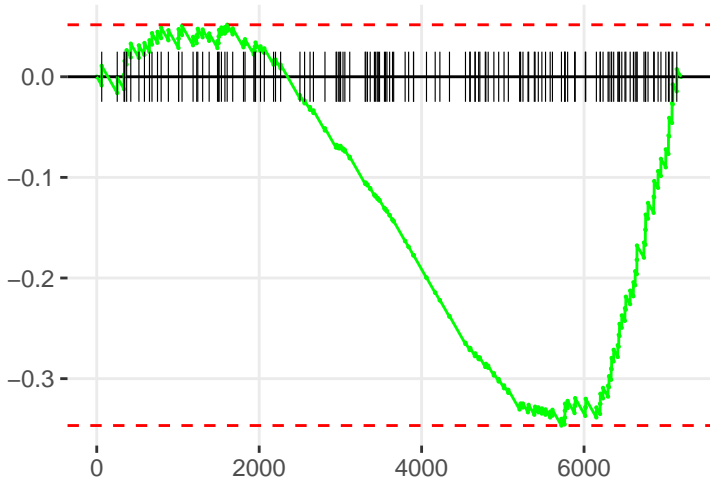
rank



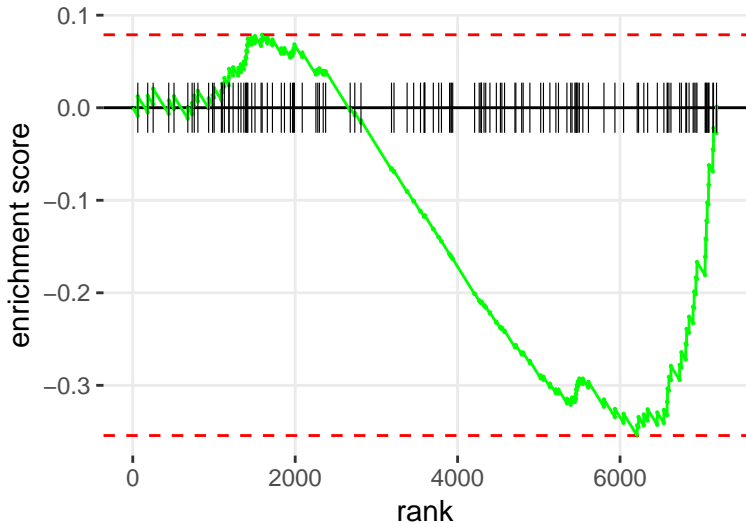
GLUTAMATE METABOLISM

enrichment score

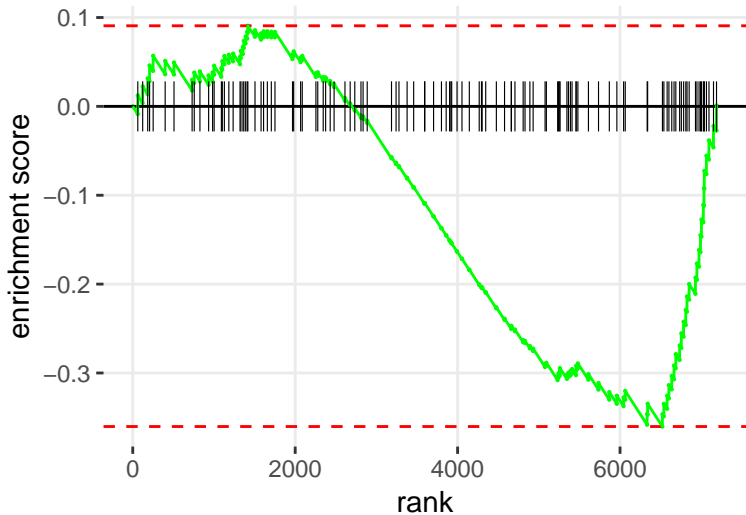
rank



FATTY ACID METABOLISM



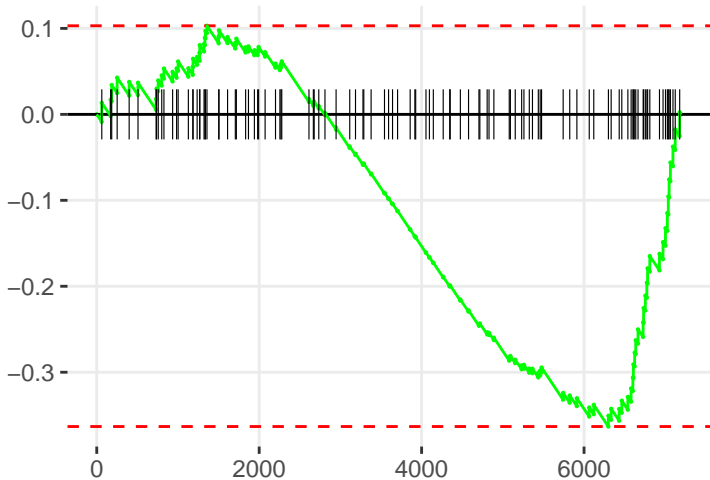
LEUKOTRIENE METABOLISM



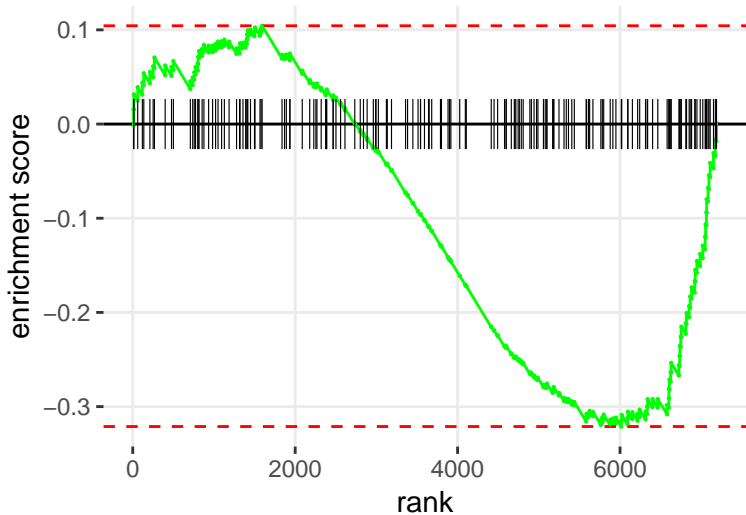
TRYPTOPHAN METABOLISM

enrichment score

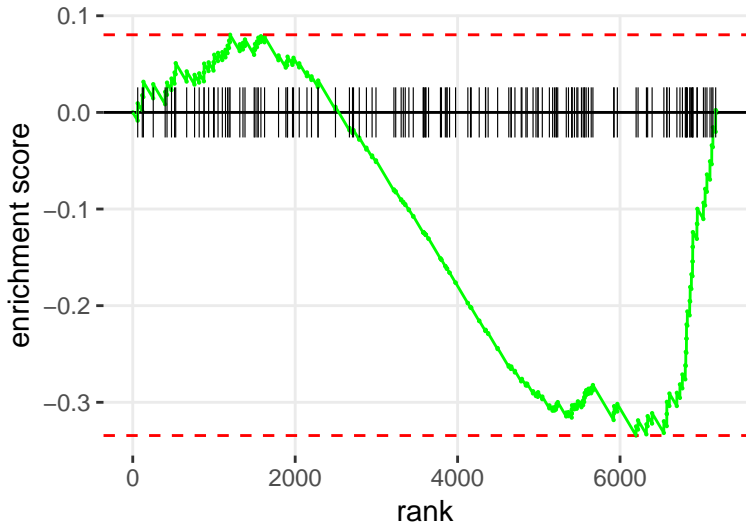
rank



VALINE, LEUCINE AND ISOLEUCINE DEGRADATION



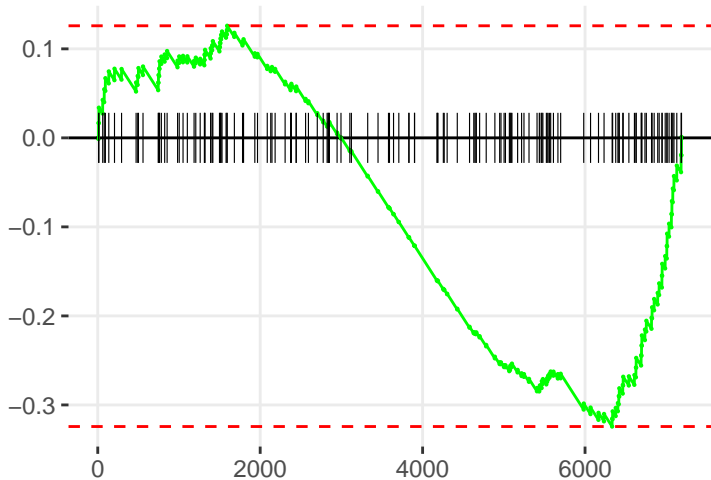
TRIHYDROXYCOPROSTANOYL-COA BETA-OXIDATION



POLYUNSATURATED FATTY ACID BIOSYNTHESIS

enrichment score

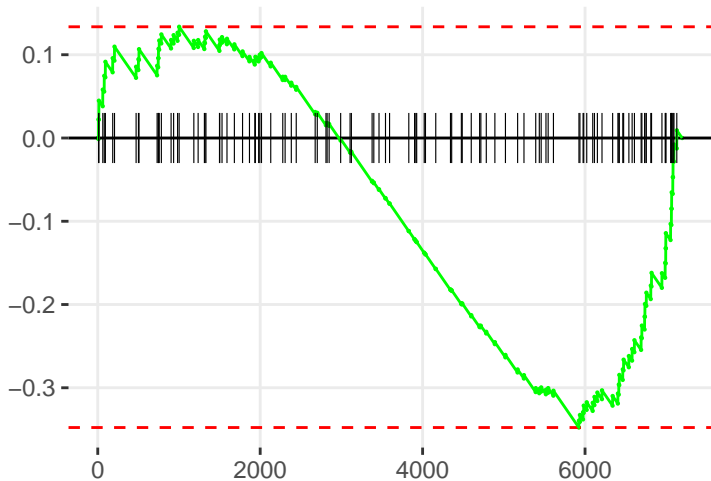
rank



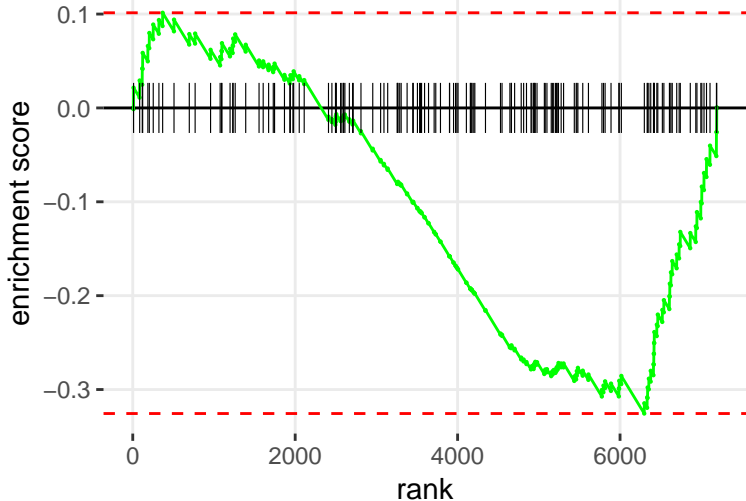
VITAMIN A (RETINOL) METABOLISM

enrichment score

rank



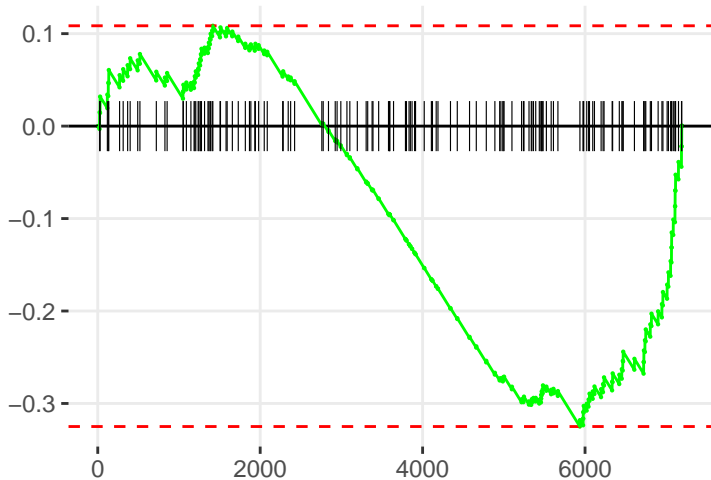
VITAMIN B3 (NICOTINATE AND NICOTINAMIDE) METABOLISM



MONO-UNSATURATED FATTY ACID BETA-OXIDATION

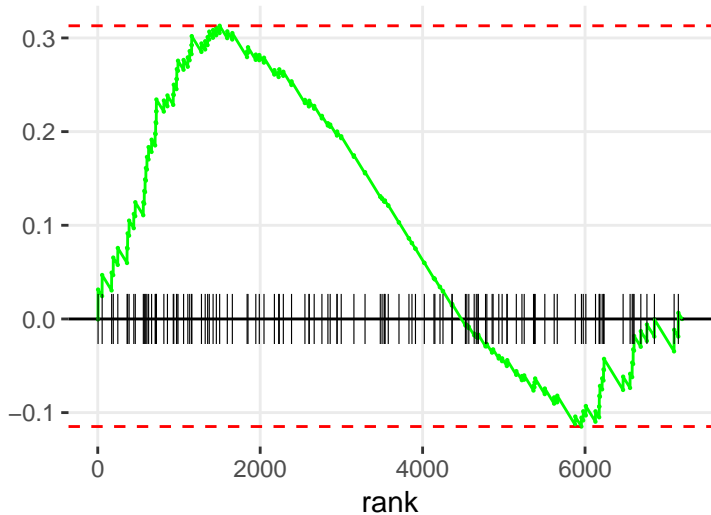
enrichment score

rank

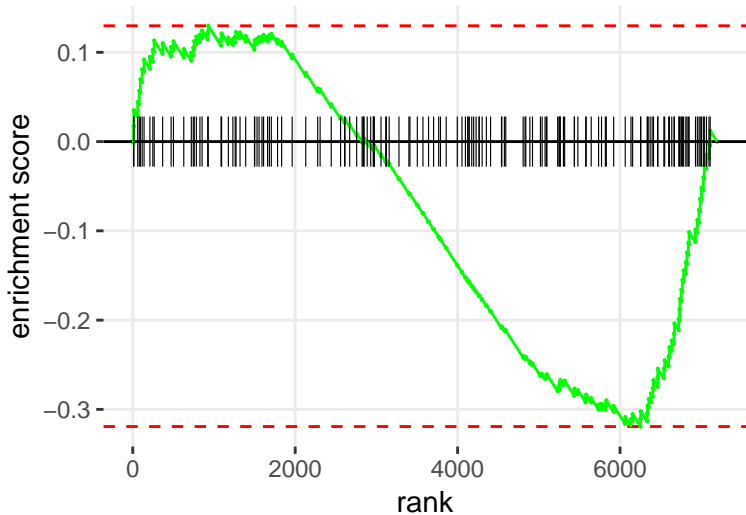


PROTEOGLYCAN BIOSYNTHESIS

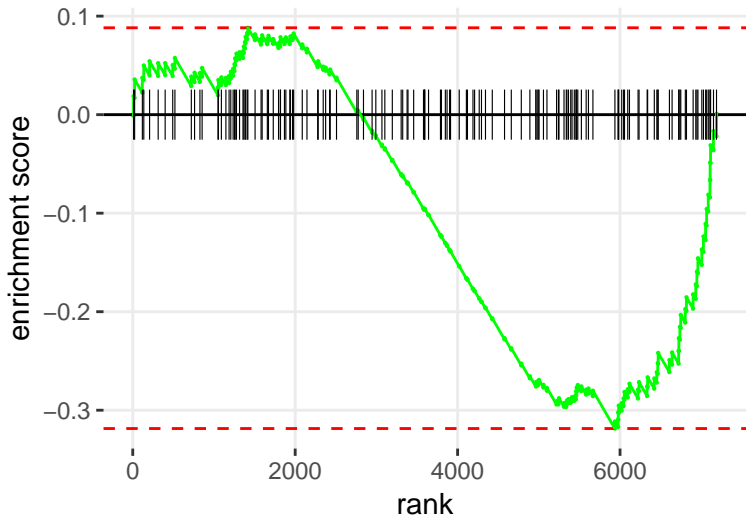
enrichment score



PROSTAGLANDIN FORMATION FROM ARACHIDONATE

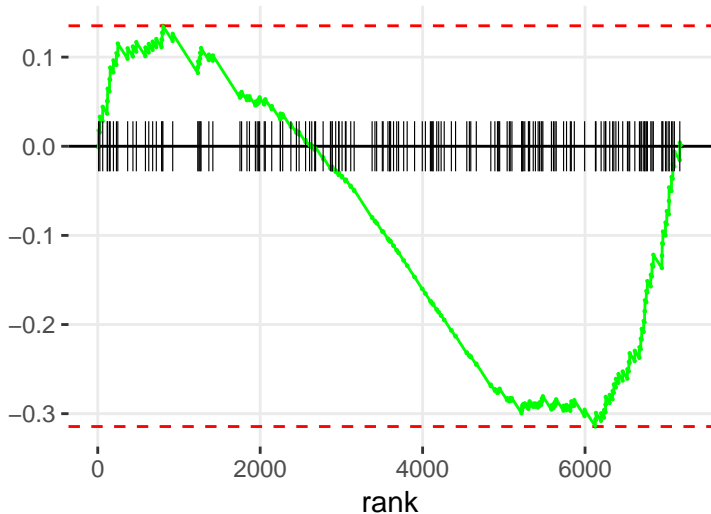


DI-UNSATURATED FATTY ACID BETA-OXIDATION

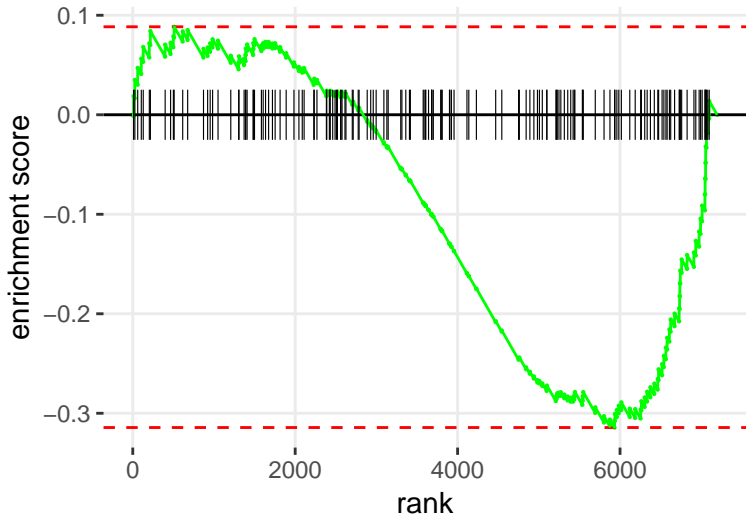


PUTATIVE ANTI-INFLAMMATORY METABOLITES FORMATION FROM EPA

enrichment score



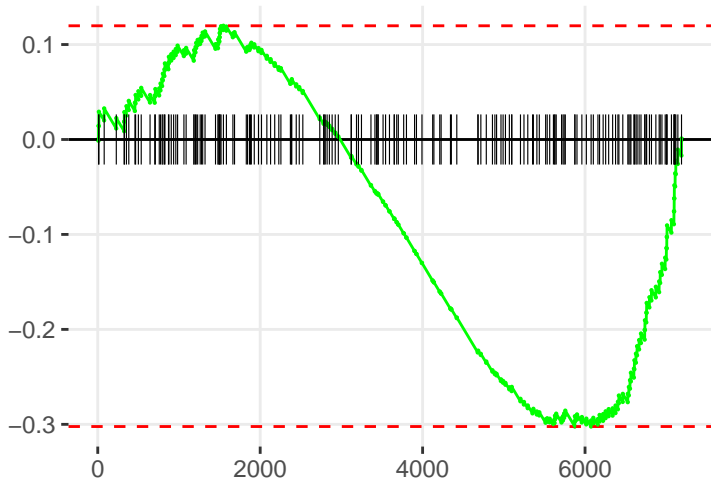
GLYOXYLATE AND DICARBOXYLATE METABOLISM



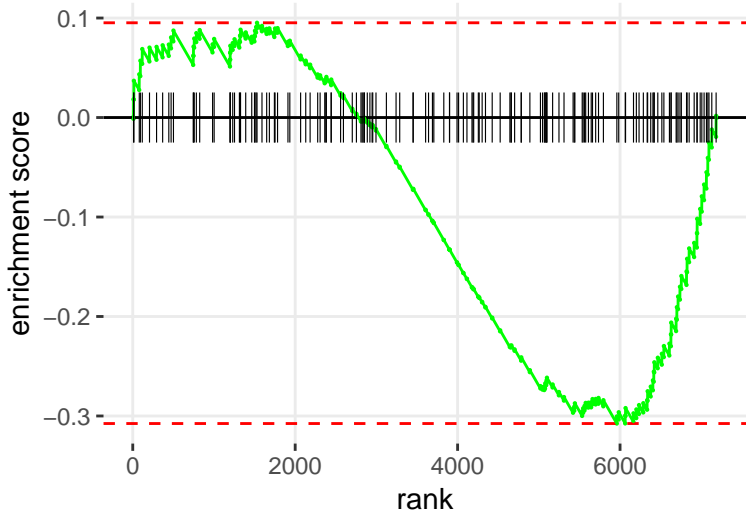
TCA CYCLE

enrichment score

rank



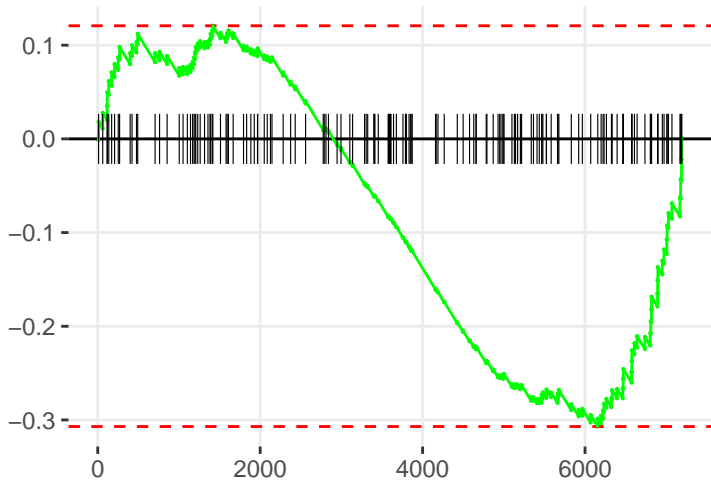
DE NOVO FATTY ACID BIOSYNTHESIS



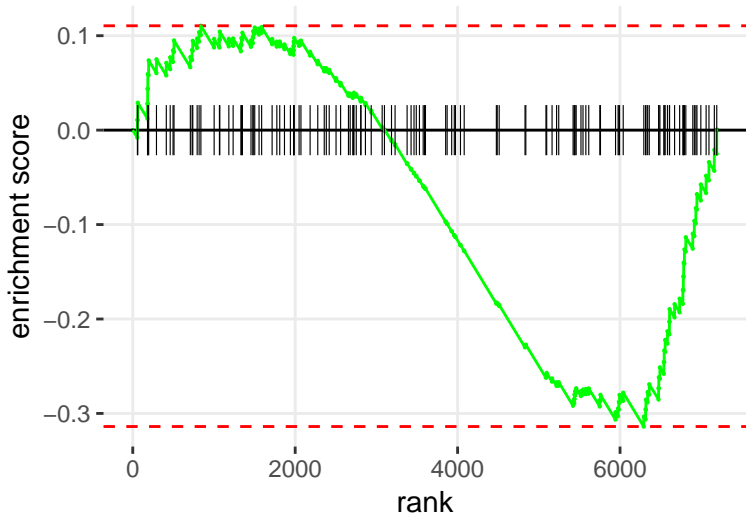
3-OXO-10R-OCTADECATRIENOATE BETA-OXIDATION

enrichment score

rank



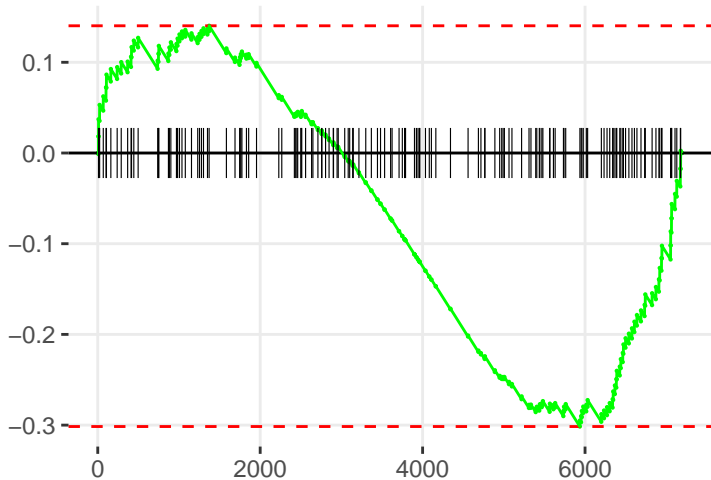
PARATHIO DEGRADATION



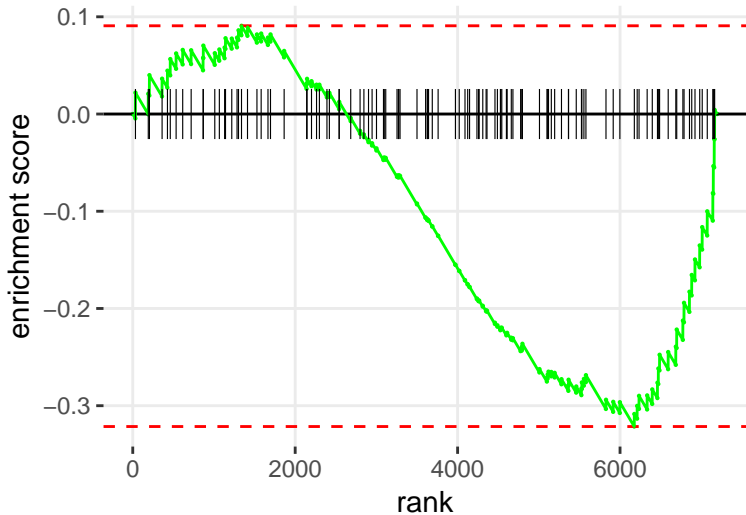
BENZOATE DEGRADATION VIA COA LIGATION

enrichment score

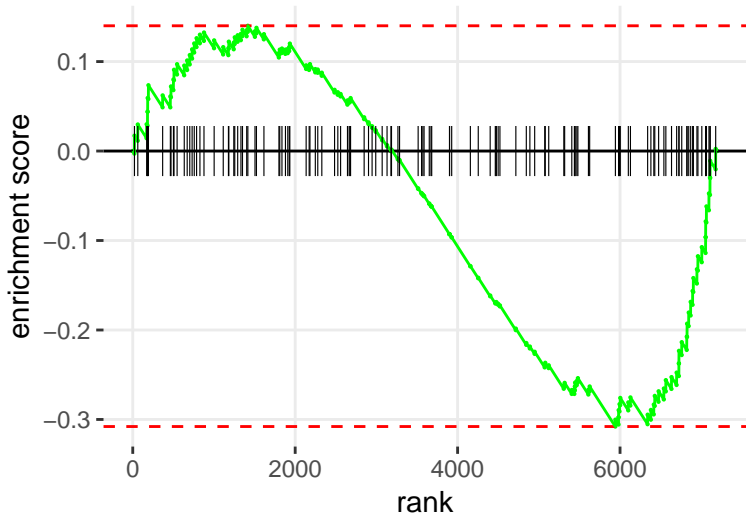
rank



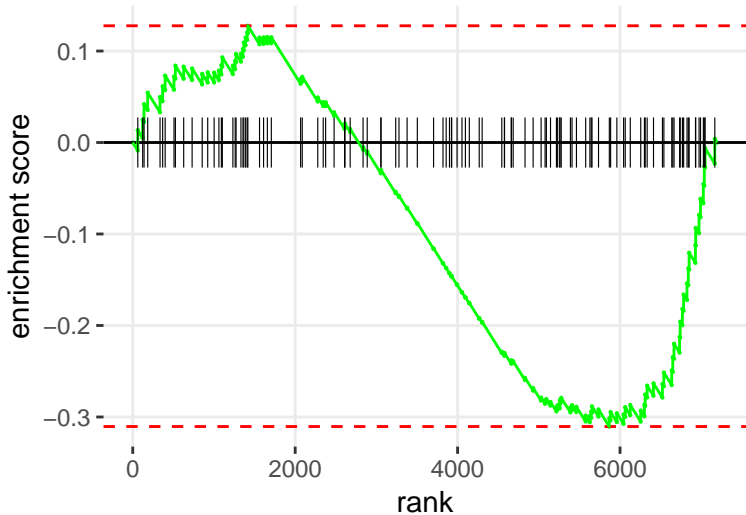
HEPARAN SULFATE DEGRADATION



VITAMIN D3 (CHOLECALCIFEROL) METABOLISM



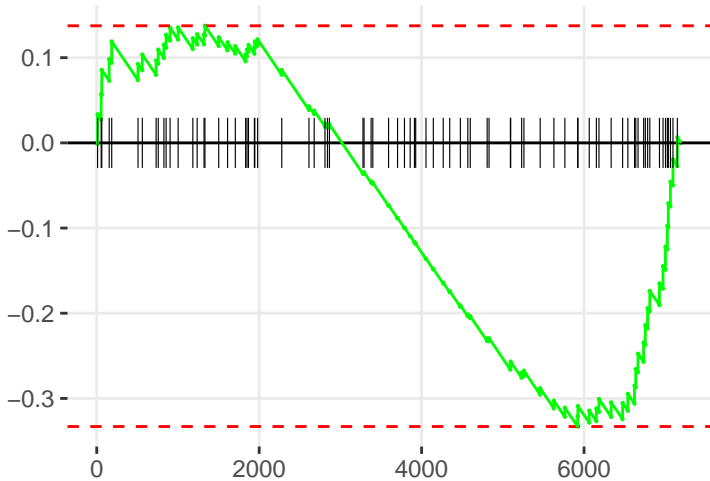
ARACHIDONIC ACID METABOLISM



XENOBIOTICS METABOLISM

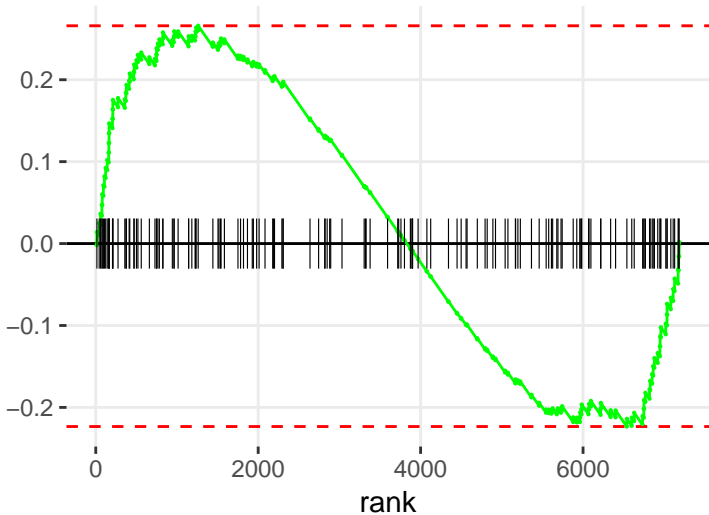
enrichment score

rank

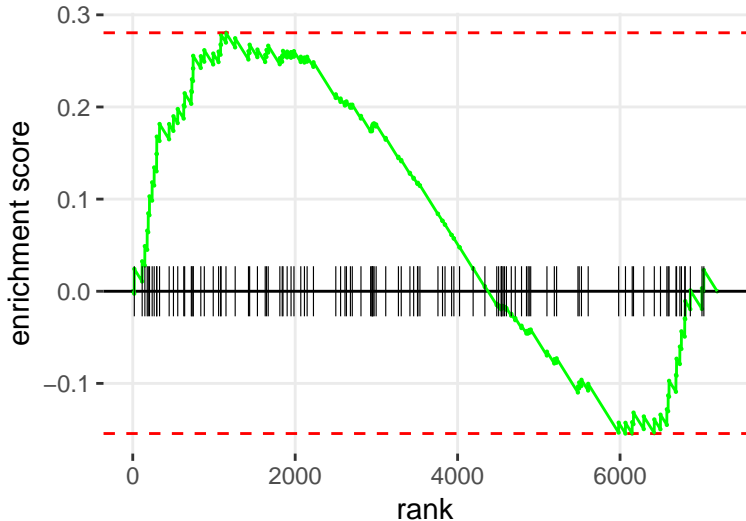


SELENOAMINO ACID METABOLISM

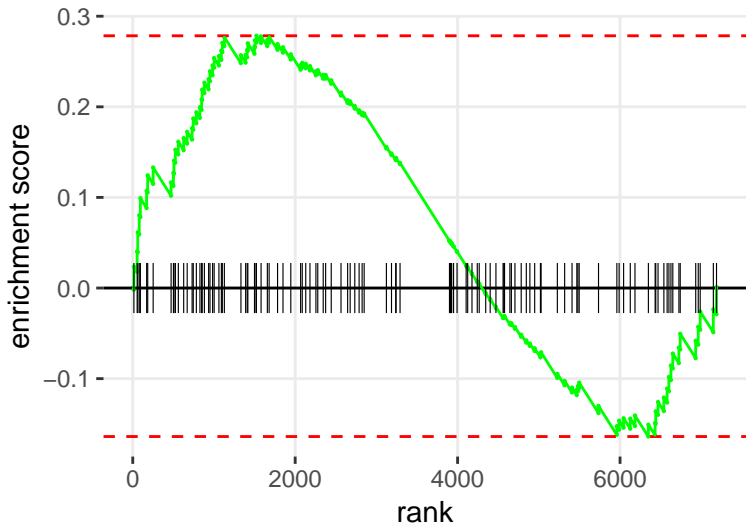
enrichment score



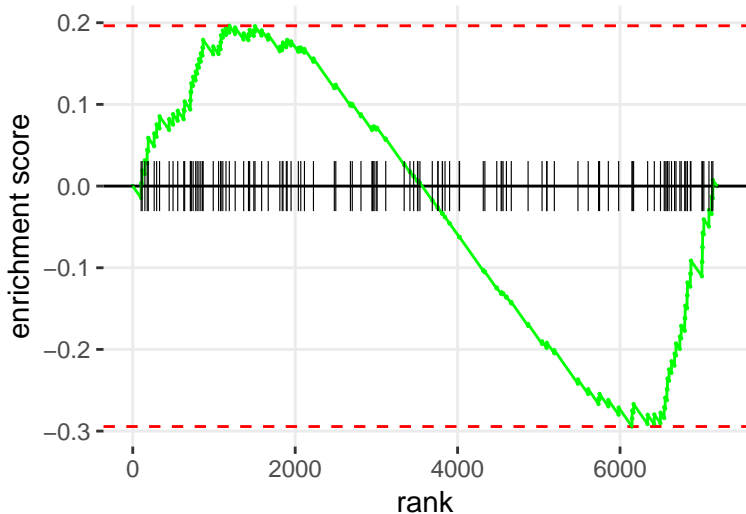
GLYCOSPHINGOLIPID BIOSYNTHESIS – LACTOSERIES



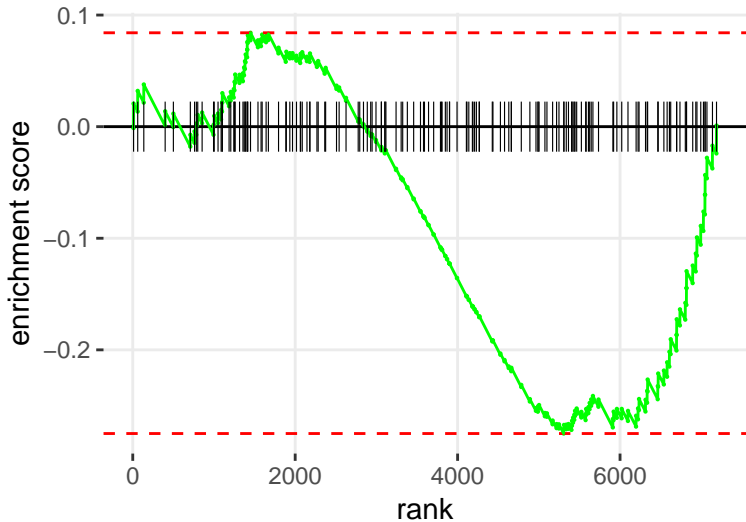
BILE ACID BIOSYNTHESIS



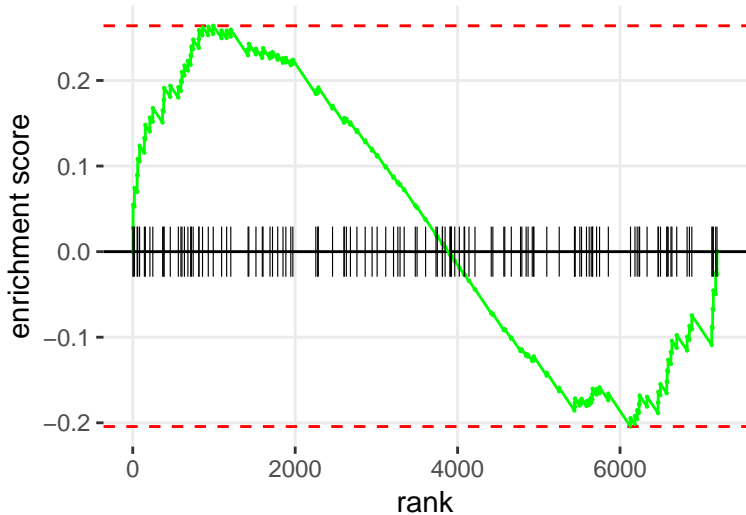
GLYCOSPHINGOLIPID BIOSYNTHESIS – NEOLACTOSERIES



SATURATED FATTY ACIDS BETA-OXIDATION

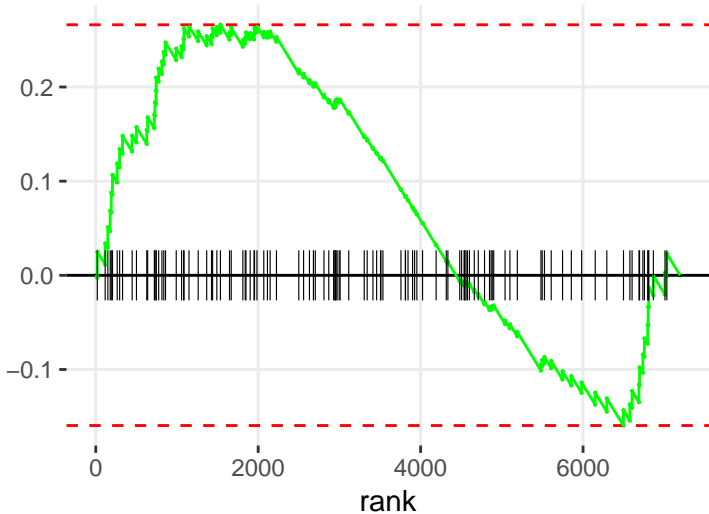


GLYCOSPHINGOLIPID BIOSYNTHESIS – GANGLIOSERIES

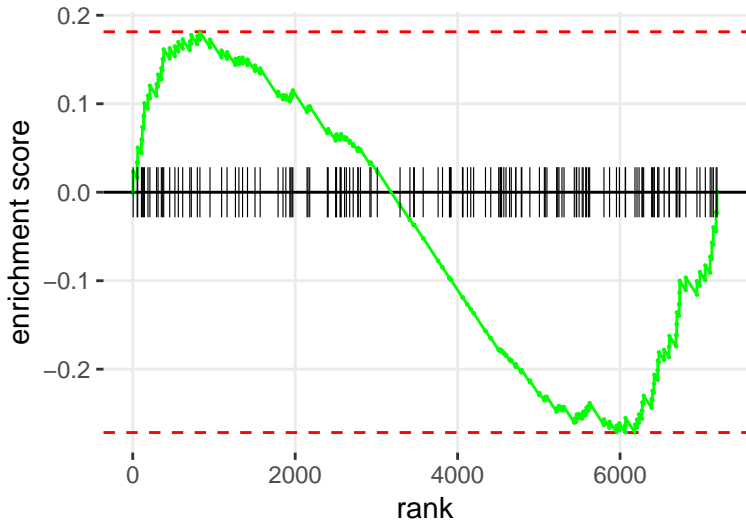


BLOOD GROUP BIOSYNTHESIS

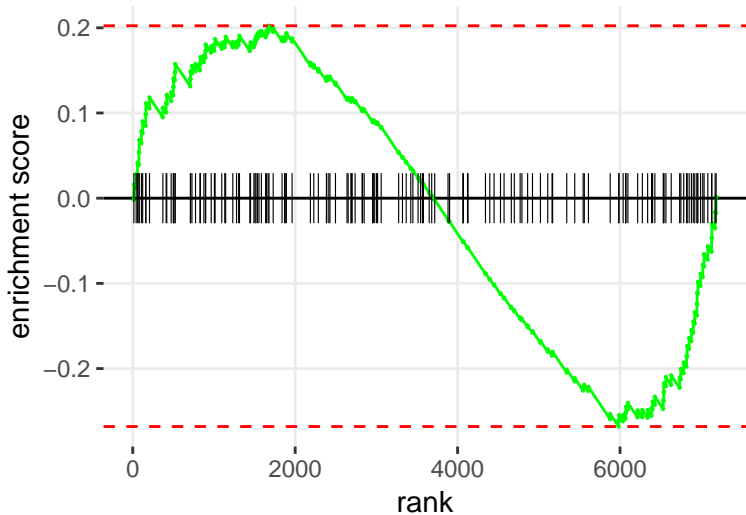
enrichment score



GLYCOSPHINGOLIPID METABOLISM

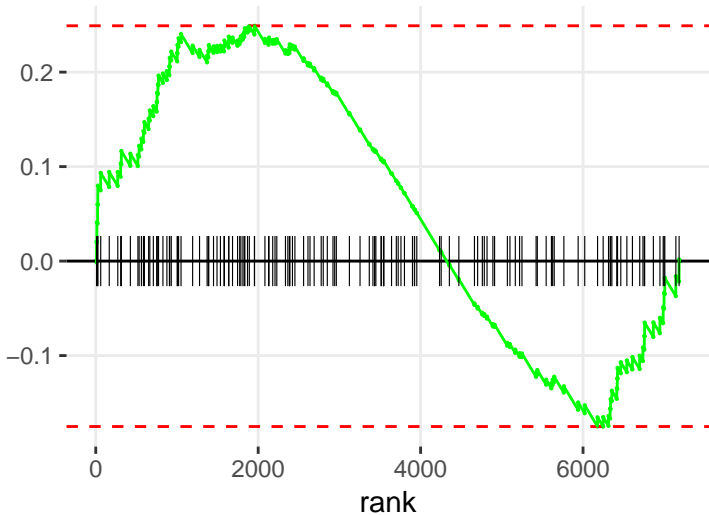


METHIONINE AND CYSTEINE METABOLISM



VITAMIN B1 (THIAMIN) METABOLISM

enrichment score



HYALURONAN METABOLISM

enrichment score

0.1

0.0

-0.1

-0.2

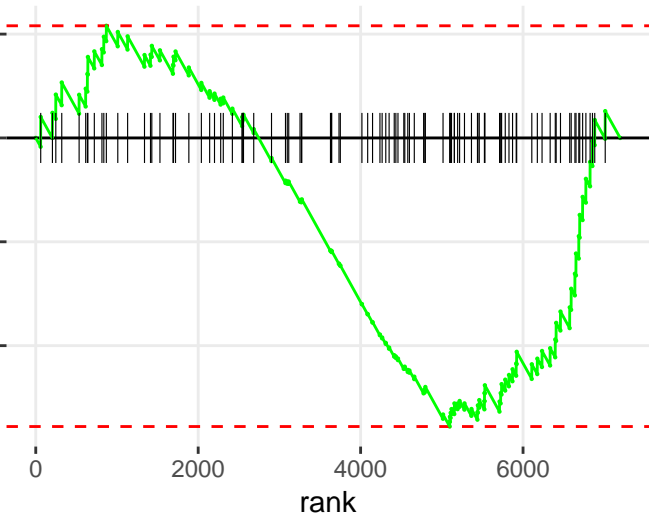
0

2000

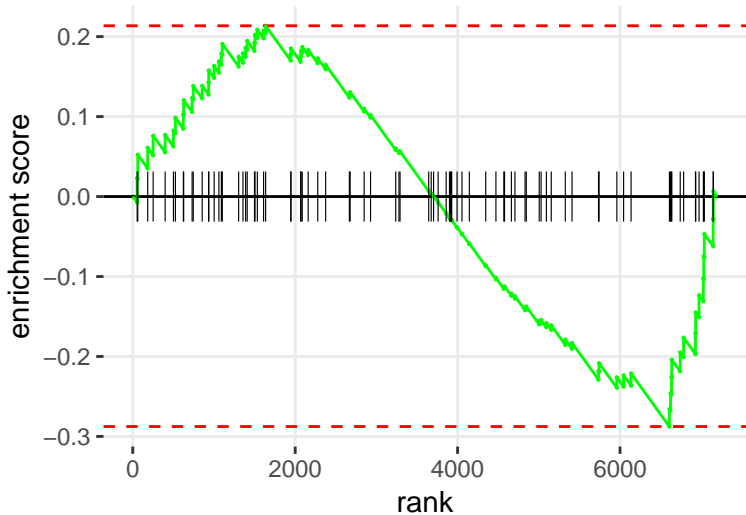
4000

6000

rank



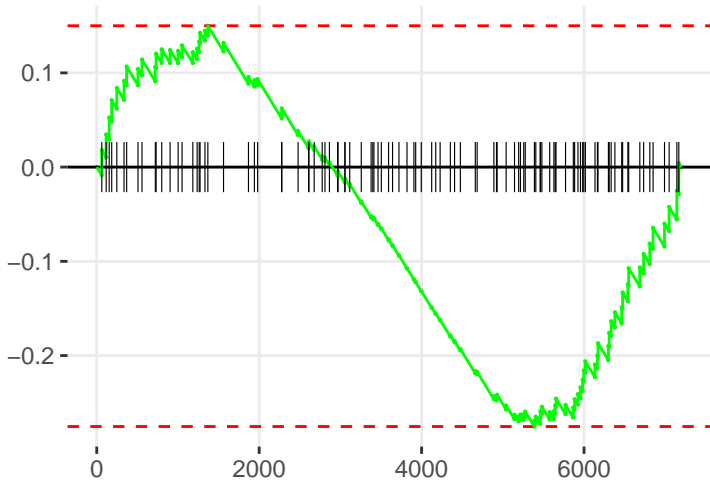
TYROSINE METABOLISM



LINOLEATE METABOLISM

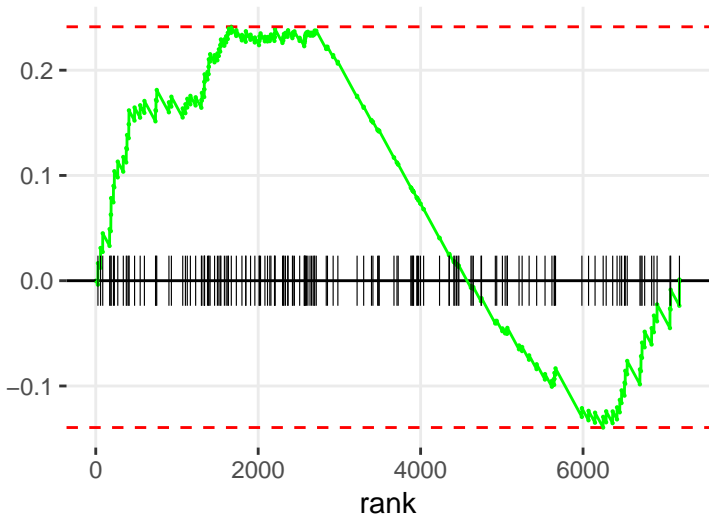
enrichment score

rank



PYRIMIDINE METABOLISM

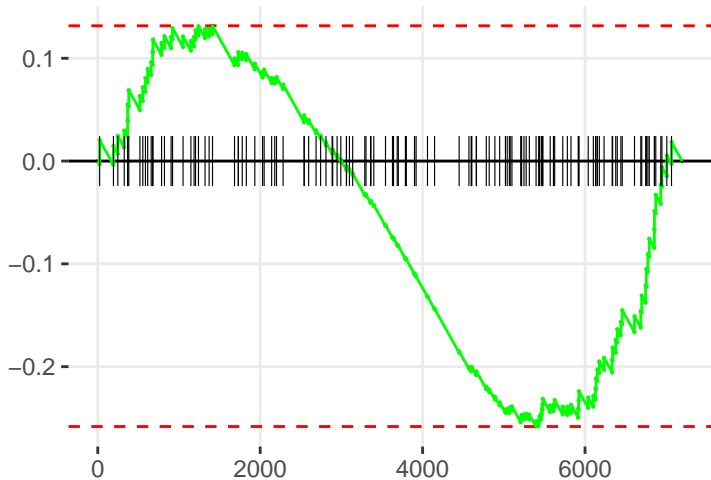
enrichment score



PORPHYRIN METABOLISM

enrichment score

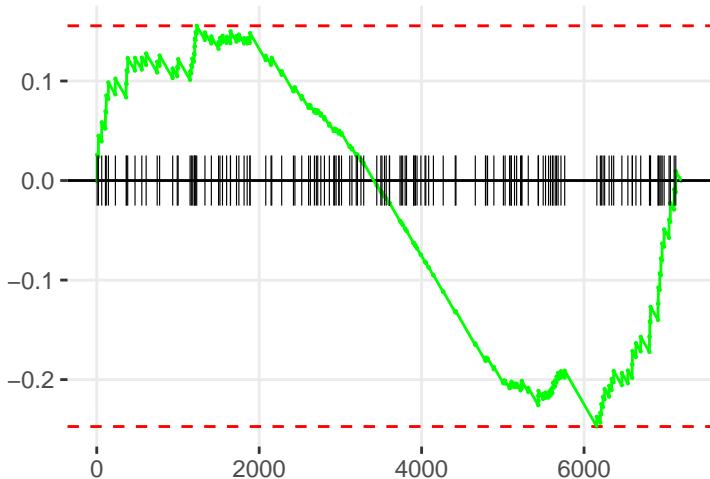
rank



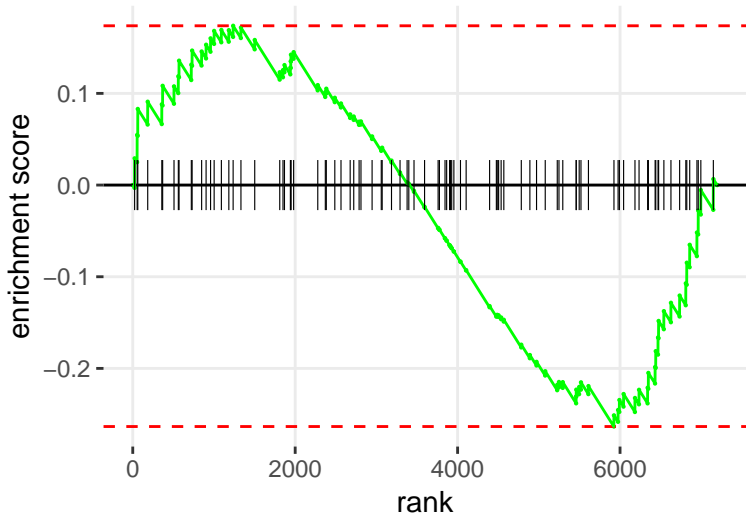
SIALIC ACID METABOLISM

enrichment score

rank



C21-STEROID HORMONE BIOSYNTHESIS AND METABOLISM



N-GLYCAN BIOSYNTHESIS

enrichment score

rank

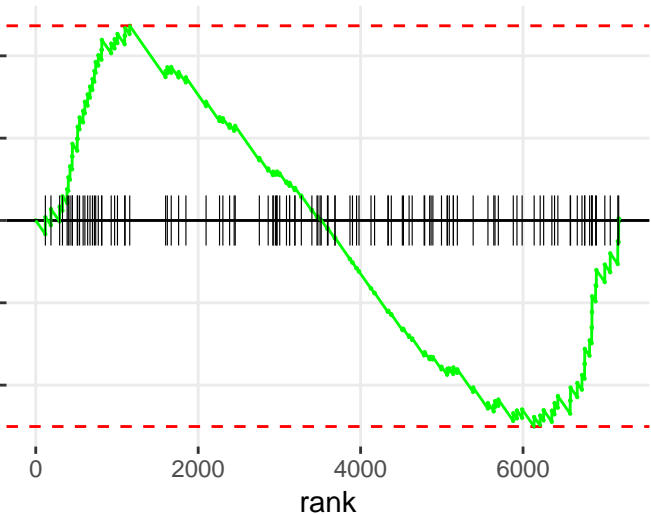
0.2
0.1
0.0
-0.1
-0.2

0

2000

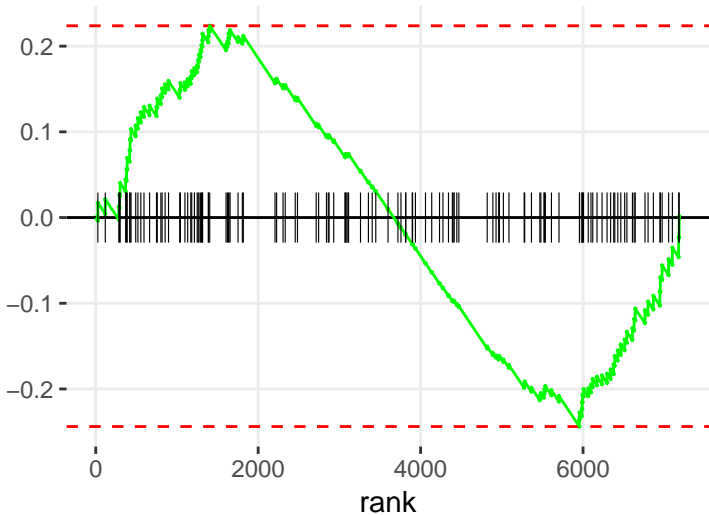
4000

6000



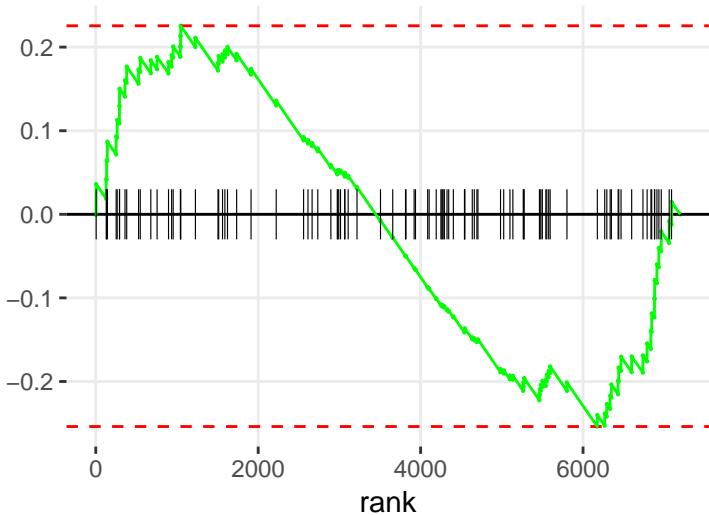
BIOPTERIN METABOLISM

enrichment score

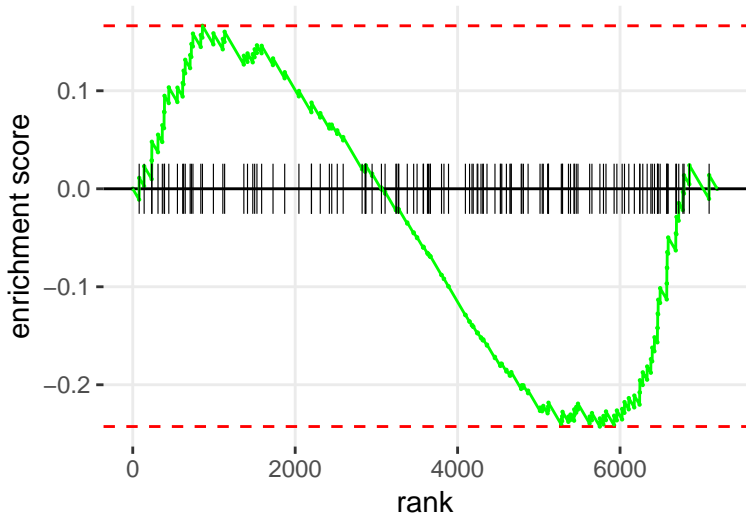


GLYCEROPHOSPHOLIPID METABOLISM

enrichment score



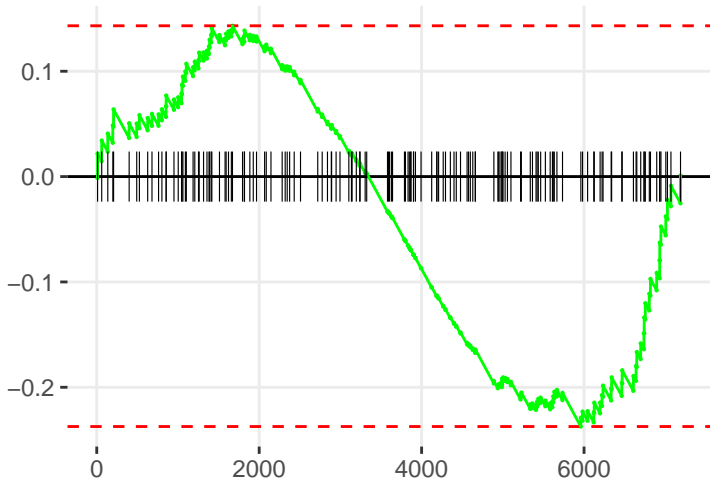
HEPARAN SULFATE BIOSYNTHESIS



VITAMIN E METABOLISM

enrichment score

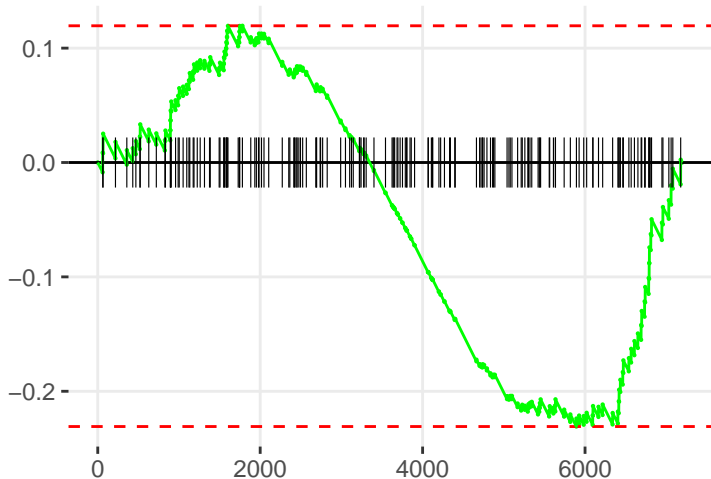
rank



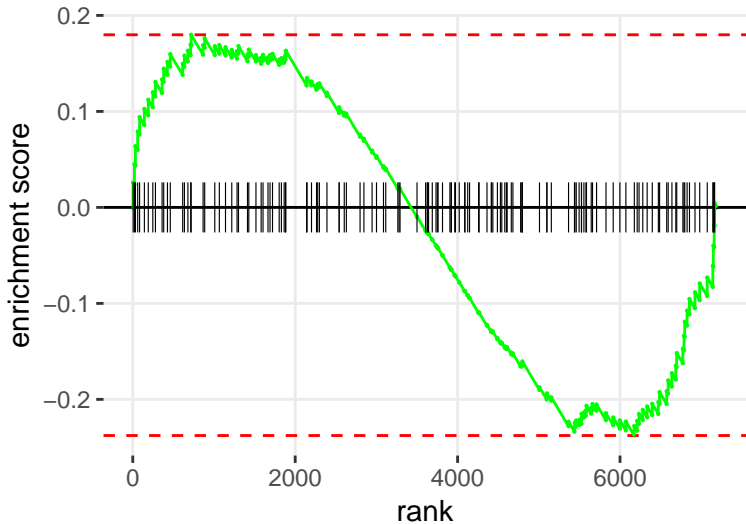
CAFFEINE METABOLISM

enrichment score

rank



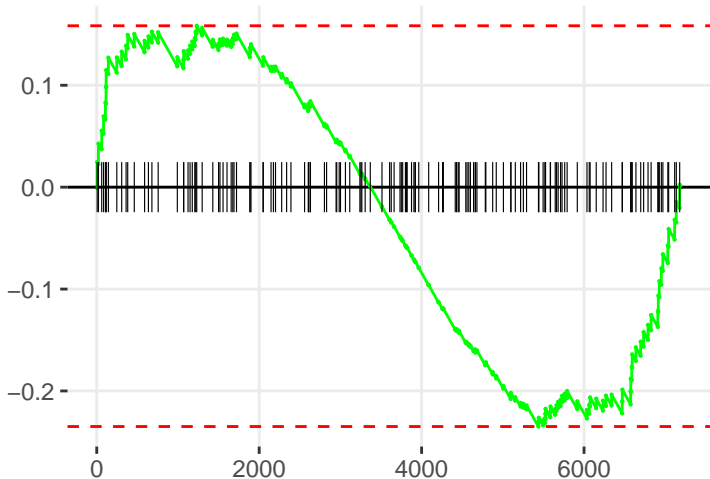
GLYCOSAMINOGLYCAN DEGRADATION



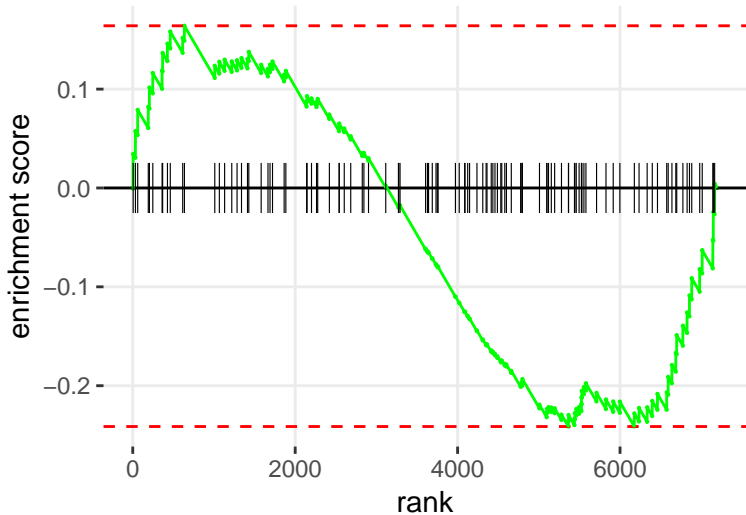
KERATAN SULFATE DEGRADATION

enrichment score

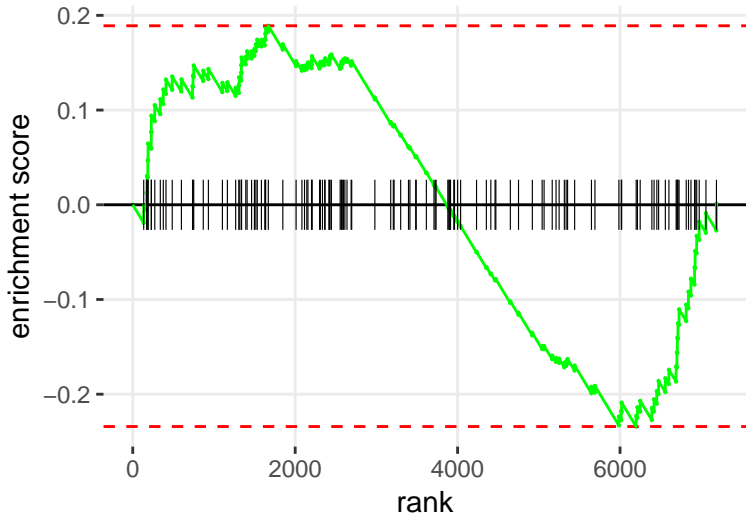
rank



CHONDROITIN SULFATE DEGRADATION



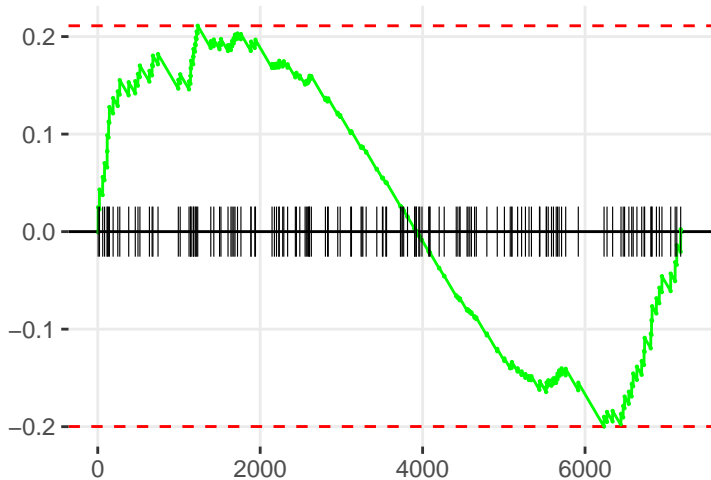
PURINE METABOLISM



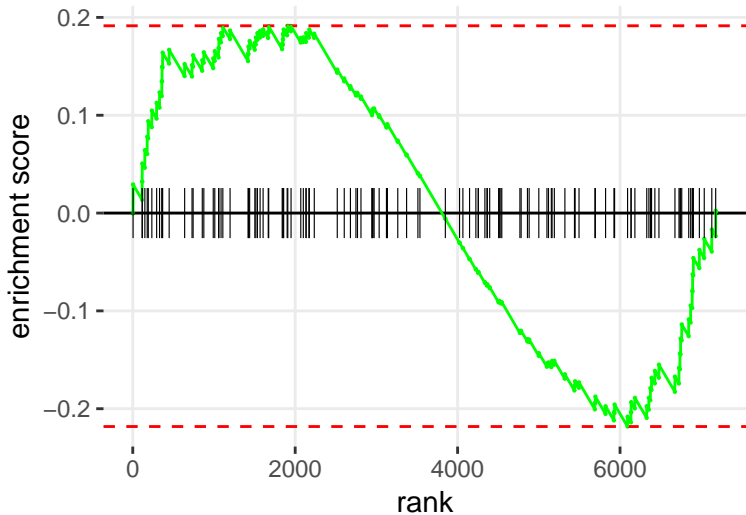
N-GLYCAN DEGRADATION

enrichment score

rank



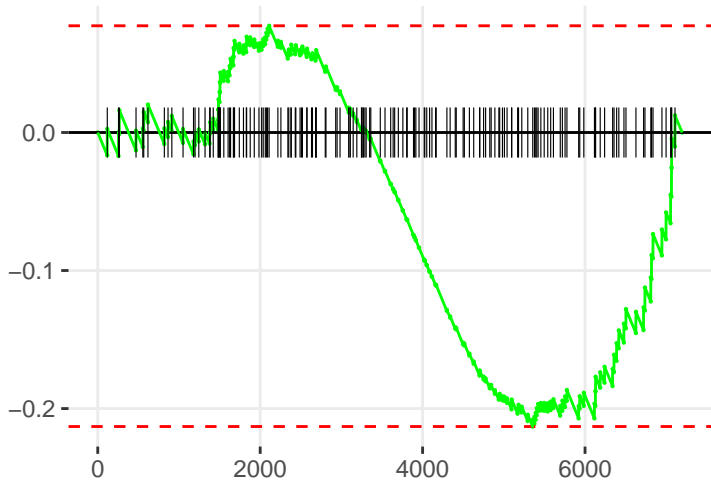
O-GLYCAN BIOSYNTHESIS



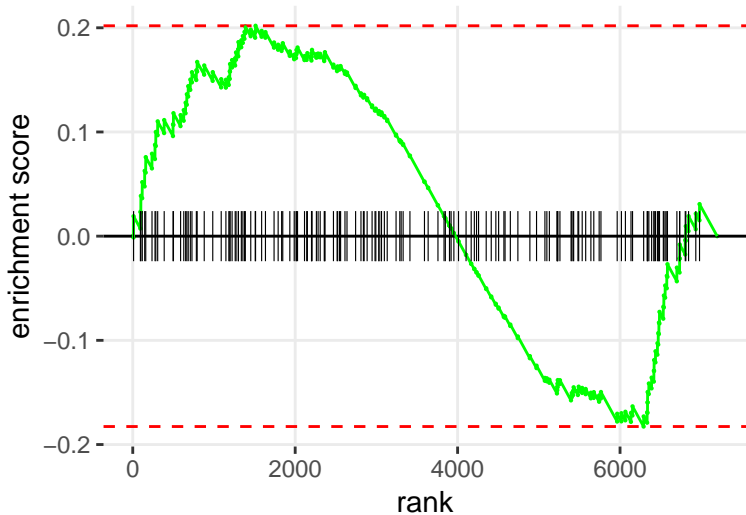
ELECTRON TRANSPORT CHAIN

enrichment score

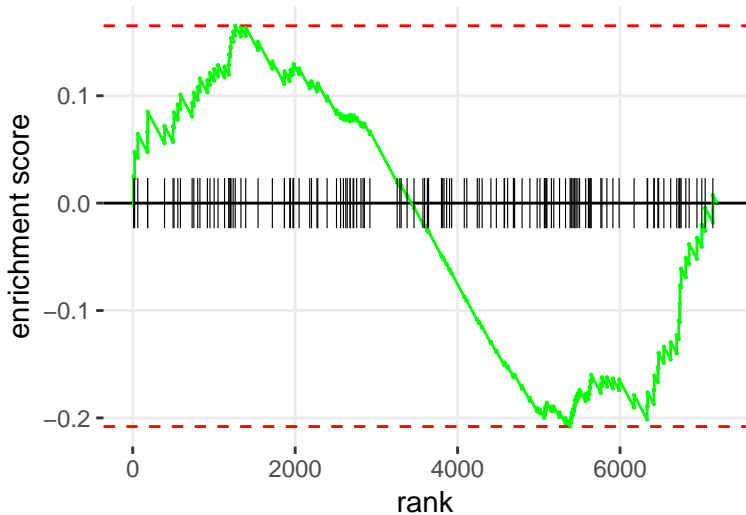
rank



VITAMIN K METABOLISM



SQUALENE AND CHOLESTEROL BIOSYNTHESIS



PHOSPHATIDYLINOSITOL PHOSPHATE METABOLISM

