**0 features with significant associations (–log(qval)*sign(coeff))**



COA.PWY.1..coenzyme.A.biosynthesis.II..mammalian.
PWY.5154..L.arginine.biosynthesis.III..via.N.acetyl.L.citrulline.
THISYN.PWY..superpathway.of.thiamin.diphosphate.biosynthesis.I
PWY.841..superpathway.of.purine.nucleotides.de.novo.biosynthesis.I
PWY.7242..D.fructuronate.degradation
PWY.4242..pantothenate.and.coenzyme.A.biosynthesis.III
DENOVOPURINE2.PWY..superpathway.of.purine.nucleotides.de.novo.biosynthesis.II
PWY.5097..L.lysine.biosynthesis.VI
PWY.6387..UDP.N.acetylmuramoyl.pentapeptide.biosynthesis.I..meso.diaminopimelate.containing.
PWY.6385..peptidoglycan.biosynthesis.III..mycobacteria.
PWY.6168..flavin.biosynthesis.III..fungi.
PANTOSYN.PWY..pantothenate.and.coenzyme.A.biosynthesis.I
PEPTIDOGLYCANSYN.PWY..peptidoglycan.biosynthesis.I..meso.diaminopimelate.containing.
PWY.7199..pyrimidine.deoxyribonucleosides.salvage
ARO.PWY..chorismate.biosynthesis.I
PWY.724..superpathway.of.L.lysine..L.threonine.and.L.methionine.biosynthesis.II
PWY.2942..L.lysine.biosynthesis.III
COA.PWY..coenzyme.A.biosynthesis.I
PWY.7229..superpathway.of.adenosine.nucleotides.de.novo.biosynthesis.I
HISTSYN.PWY..L.histidine.biosynthesis
PWY.7221..guanosine.ribonucleotides.de.novo.biosynthesis
TRNA.CHARGING.PWY..tRNA.charging
PWY.5686..UMP.biosynthesis
PWY.6122..5.aminoimidazole.ribonucleotide.biosynthesis.II
PWY.6277..superpathway.of.5.aminoimidazole.ribonucleotide.biosynthesis
COMPLETE.ARO.PWY..superpathway.of.aromatic.amino.acid.biosynthesis
PWY.6126..superpathway.of.adenosine.nucleotides.de.novo.biosynthesis.II
PWY.6897..thiamin.salvage.II
PWY.6386..UDP.N.acetylmuramoyl.pentapeptide.biosynthesis.II..lysine.containing.
ANAGLYCOLYSIS.PWY..glycolysis.III..from.glucose.
PWY.6163..chorismate.biosynthesis.from.3.dehydroquinate
PWY.3841..folate.transformations.II
PWY.7219..adenosine.ribonucleotides.de.novo.biosynthesis
ANAEROFRUCAT.PWY..homolactic.fermentation
PHOSLIPSYN.PWY..superpathway.of.phospholipid.biosynthesis.I..bacteria.
PWY.5695..urate.biosynthesis.inosine.5..phosphate.degradation
PWY.3001..superpathway.of.L.isoleucine.biosynthesis.I
PWY.6609..adenine.and.adenosine.salvage.III
PWY.5667..CDP.diacylglycerol.biosynthesis.I
PWY0.1319..CDP.diacylglycerol.biosynthesis.II
PWY.6151..S.adenosyl.L.methionine.cycle.I
PWY.1042..glycolysis.IV..plant.cytosol.
PANTO.PWY..phosphopantothenate.biosynthesis.I
PWY.7208..superpathway.of.pyrimidine.nucleobases.salvage
PWY.6121..5.aminoimidazole.ribonucleotide.biosynthesis.I
PWY.6700..queuosine.biosynthesis
RIBOSYN2.PWY..flavin.biosynthesis.I..bacteria.and.plants.
PWY.7357..thiamin.formation.from.pyrithiamine.and.oxythiamine..yeast.
PYRIDNUCSYN.PWY..NAD.biosynthesis.I..from.aspartate.
DTDPRHAMSYN.PWY..dTDP.L.rhamnose.biosynthesis.I

diagnosis
diagnosis UC
diagnosis CD
dysbiosis

20
10
0
−10
−20