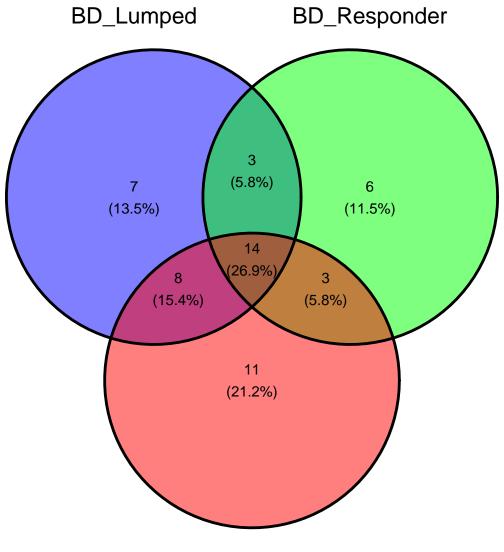
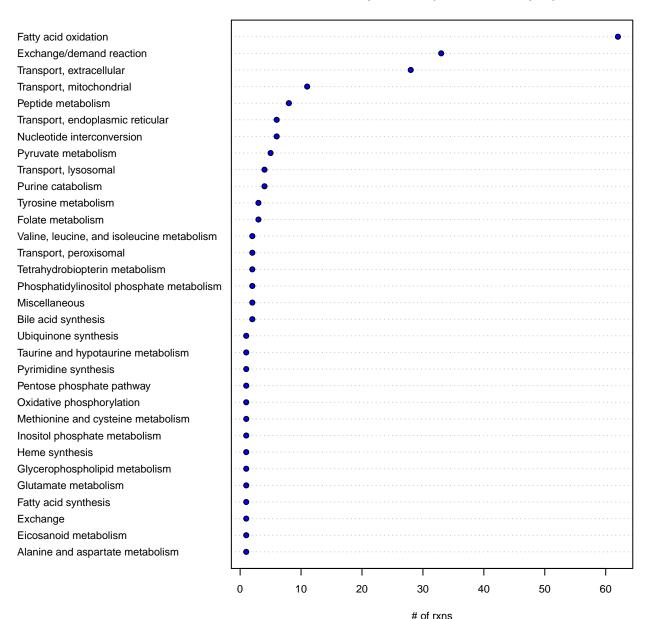


BD_NonResponder



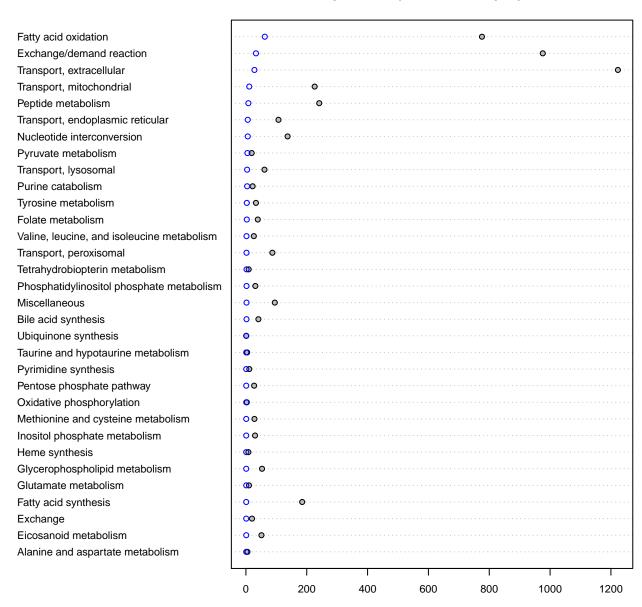
BD_NonResponder

of disrupted rxns (n=199, bd_lumped)



of disrupted rxns (n=199, bd_lumped) vs all rxns

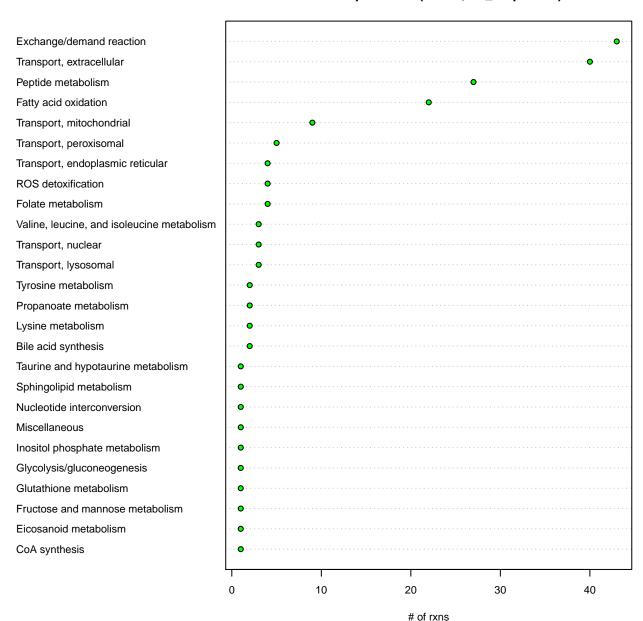
of rxns



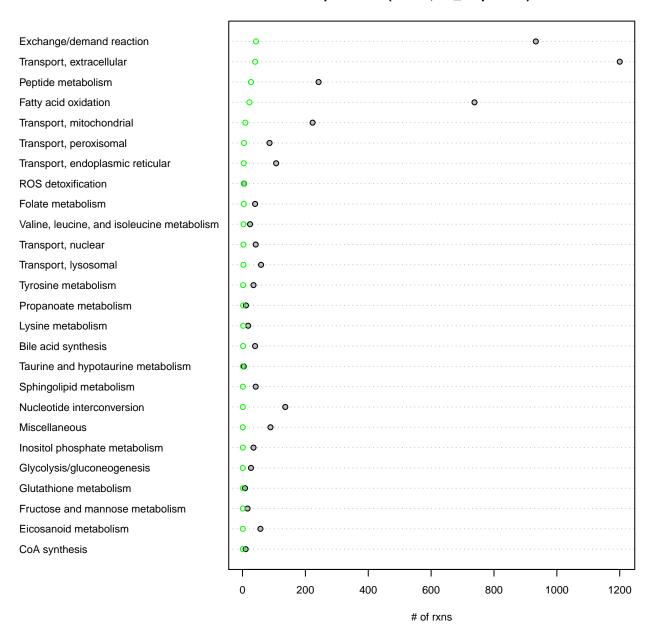
over-representation analysis, bd_lumped Fatty acid oxidation Pyruvate metabolism Purine catabolism -Tetrahydrobiopterin metabolism · Ubiquinone synthesis Transport, mitochondrial Transport, endoplasmic reticular Transport, lysosomal Tyrosine metabolism -Folate metabolism Taurine and hypotaurine metabolism · Oxidative phosphorylation Alanine and aspartate metabolism Valine, leucine, and isoleucine metabolism subSystem Heme synthesis Phosphatidylinositol phosphate metabolism Glutamate metabolism · Pyrimidine synthesis Nucleotide interconversion Bile acid synthesis Exchange Exchange/demand reaction · Peptide metabolism · Pentose phosphate pathway Methionine and cysteine metabolism Inositol phosphate metabolism Transport, peroxisomal Miscellaneous Glycerophospholipid metabolism · Eicosanoid metabolism · Transport, extracellular -Fatty acid synthesis 0.00 0.25 0.50 0.75 1.00

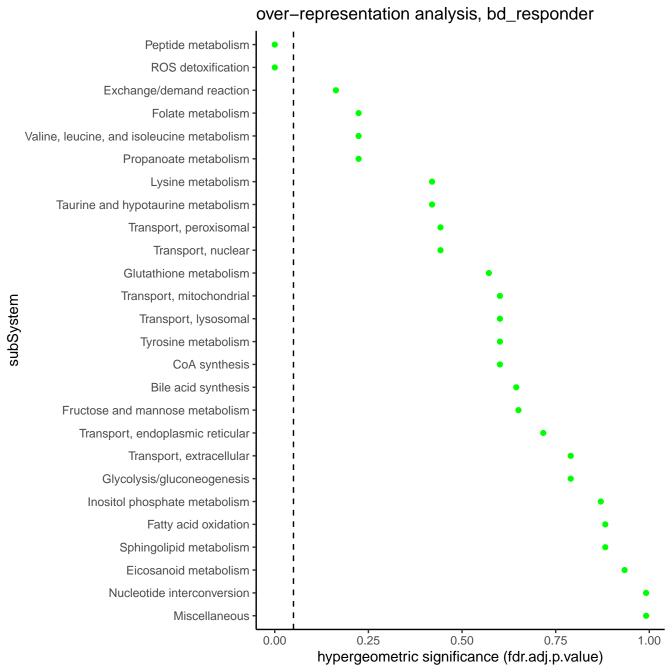
hypergeometric significance (fdr.adj.p.value)

of disrupted rxns (n=185, bd_responder)



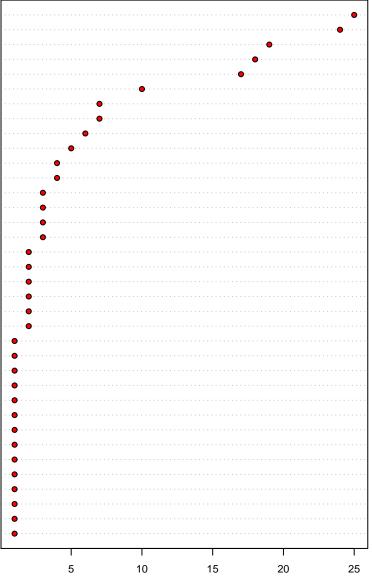
of disrupted rxns (n=185, bd_responder) vs all rxns





of disrupted rxns (n=184, bd_nonresponder)

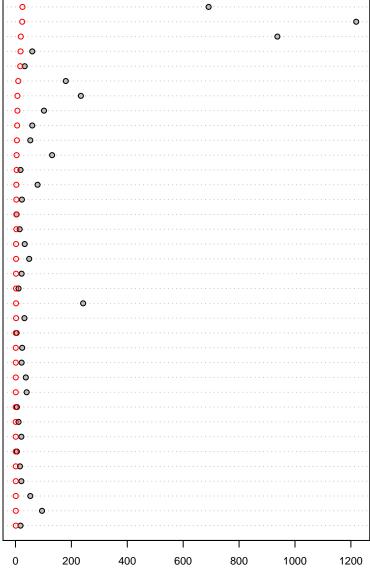




of rxns

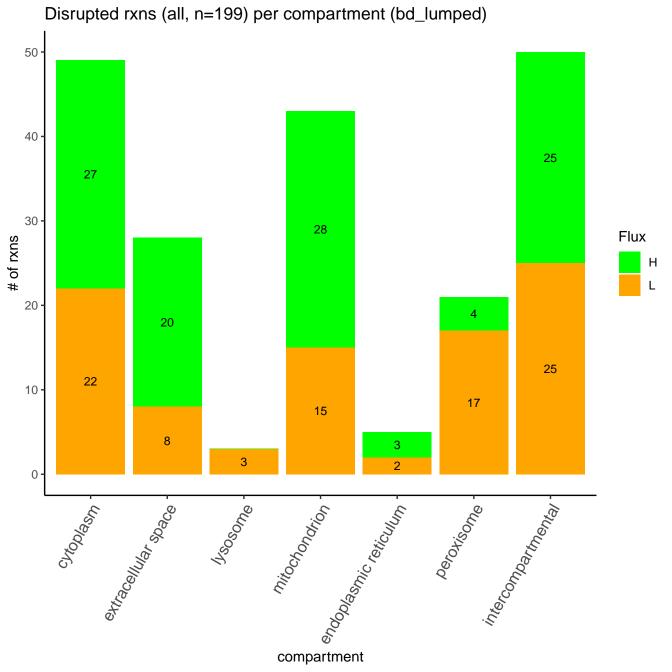
of disrupted rxns (n=184, bd_nonresponder) vs all rxns

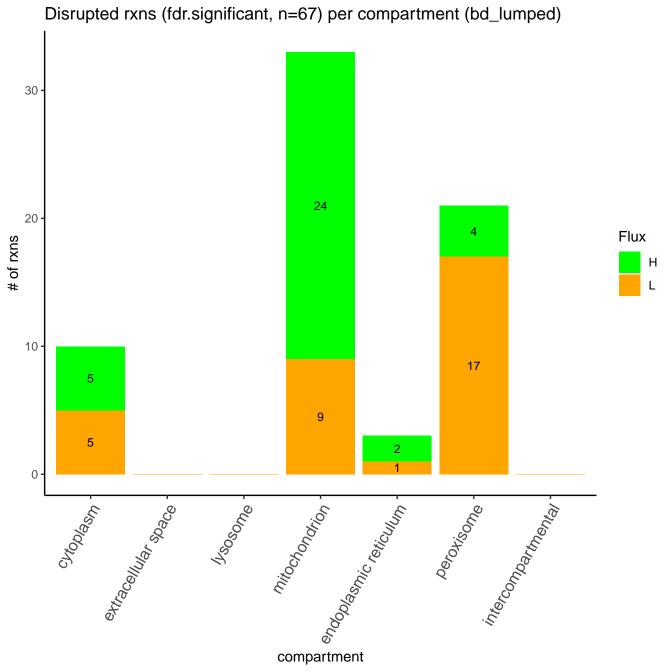
Fatty acid oxidation Transport, extracellular Exchange/demand reaction Keratan sulfate degradation Phosphatidylinositol phosphate metabolism Fatty acid synthesis Transport, mitochondrial Transport, endoplasmic reticular Transport, lysosomal Glycerophospholipid metabolism Nucleotide interconversion Aminosugar metabolism Transport, peroxisomal Steroid metabolism N-glycan synthesis Fructose and mannose metabolism Tyrosine metabolism Sphingolipid metabolism Pyruvate metabolism Phenylalanine metabolism Peptide metabolism Inositol phosphate metabolism Vitamin C metabolism Valine, leucine, and isoleucine metabolism Tryptophan metabolism Transport, nuclear Transport, golgi apparatus Taurine and hypotaurine metabolism Pyrimidine synthesis Purine catabolism Oxidative phosphorylation Glycine, serine, alanine, and threonine metabolism Exchange Eicosanoid metabolism Drug metabolism Arginine and proline metabolism

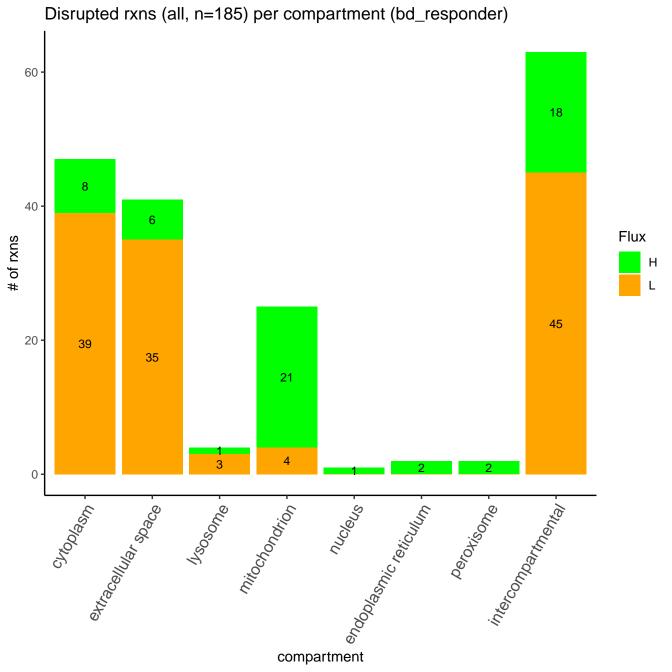


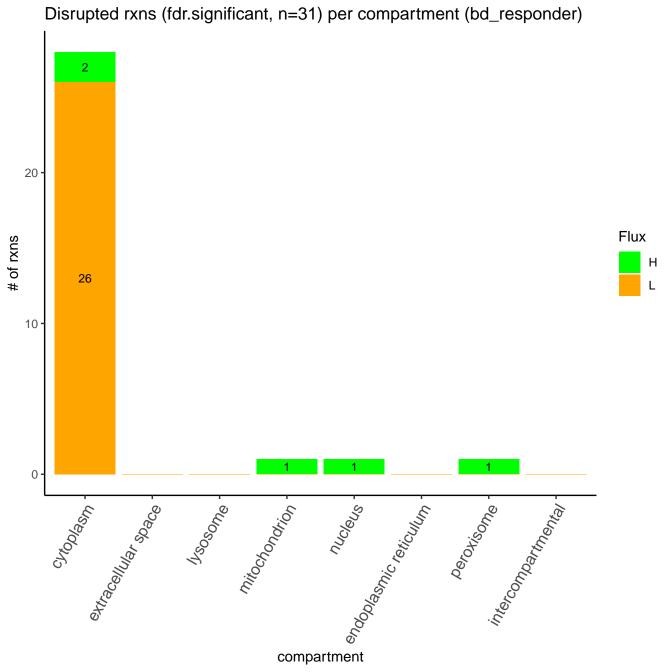
of rxns

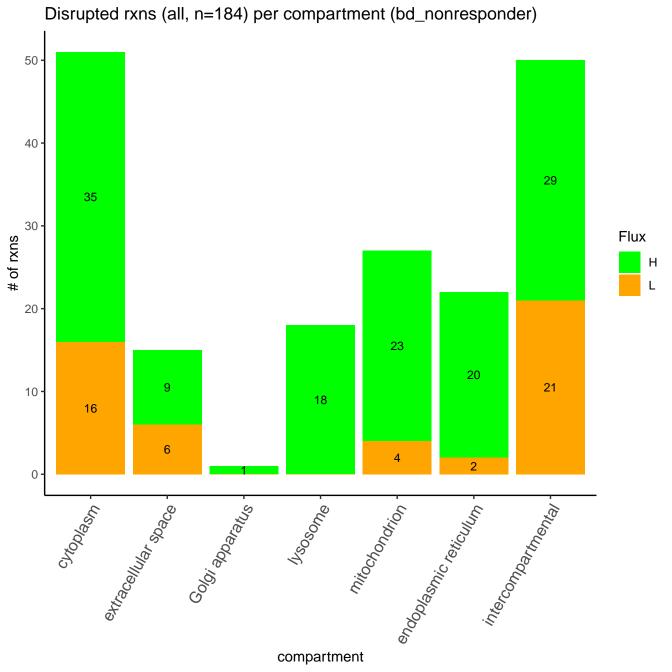
over-representation analysis, bd_nonresponder Phosphatidylinositol phosphate metabolism -Keratan sulfate degradation N-glycan synthesis Aminosugar metabolism Transport, lysosomal Fructose and mannose metabolism Glycerophospholipid metabolism Steroid metabolism Transport, endoplasmic reticular Phenylalanine metabolism Fatty acid synthesis Vitamin C metabolism Pyruvate metabolism Taurine and hypotaurine metabolism Oxidative phosphorylation Tyrosine metabolism subSystem Inositol phosphate metabolism Pyrimidine synthesis Fatty acid oxidation Transport, peroxisomal Sphingolipid metabolism Tryptophan metabolism Purine catabolism Glycine, serine, alanine, and threonine metabolism Exchange Arginine and proline metabolism Valine, leucine, and isoleucine metabolism Nucleotide interconversion Transport, mitochondrial Transport, nuclear Transport, golgi apparatus Eicosanoid metabolism Transport, extracellular Exchange/demand reaction Peptide metabolism Drug metabolism 0.00 0.25 0.50 0.75 1.00 hypergeometric significance (fdr.adj.p.value)

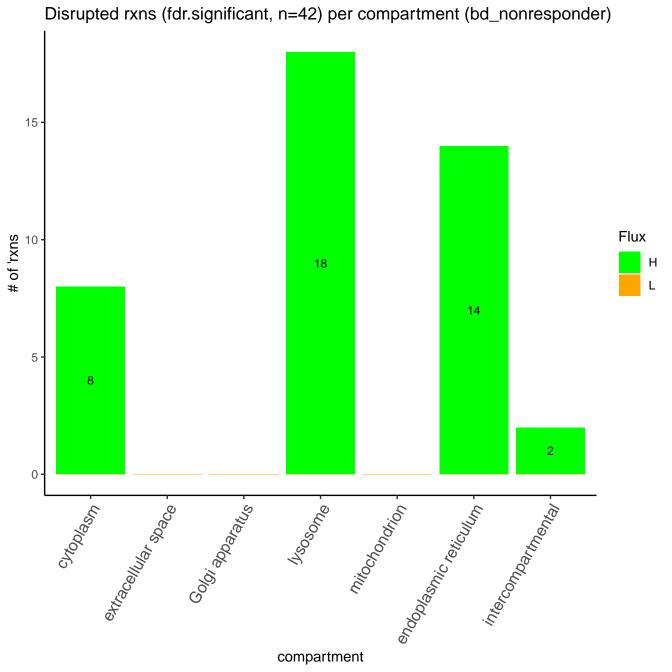


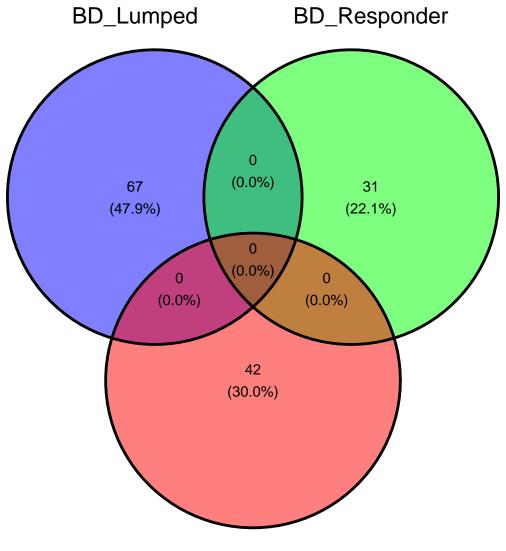




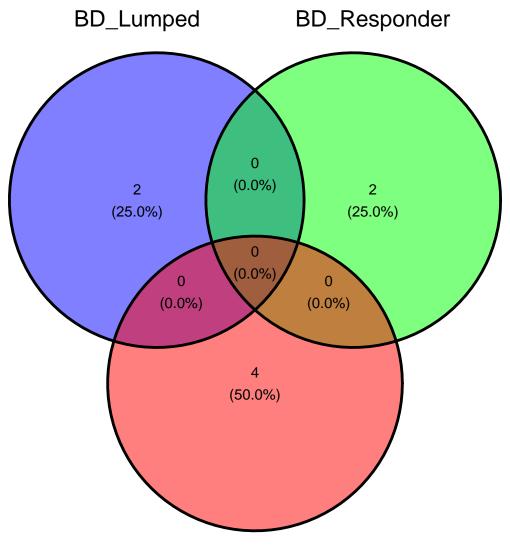








BD_NonResponder



BD_NonResponder