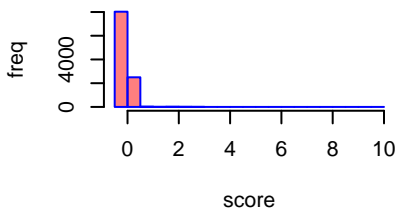
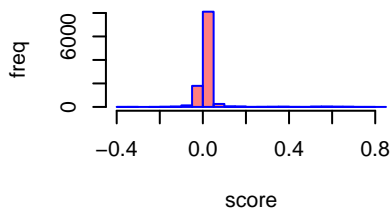
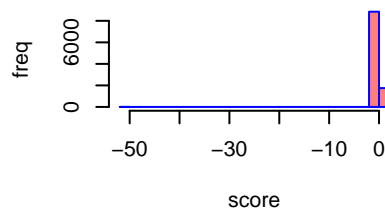
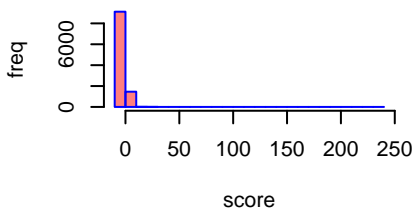
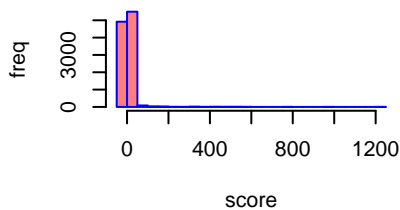
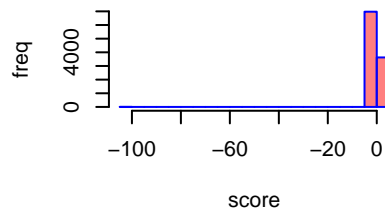
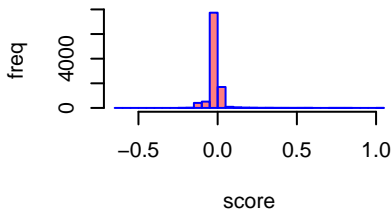
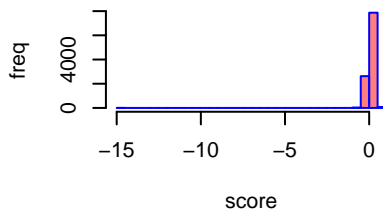
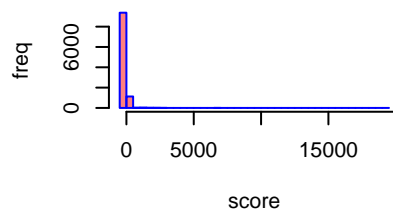
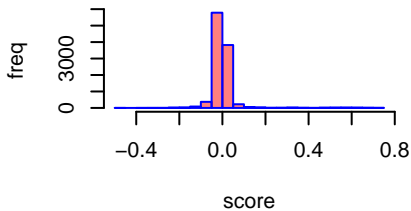
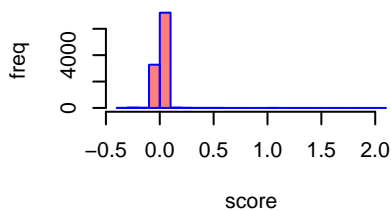
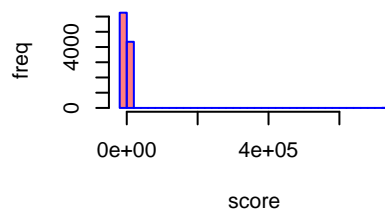
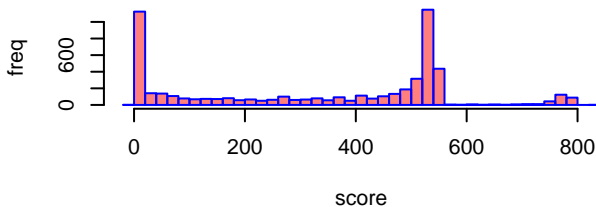
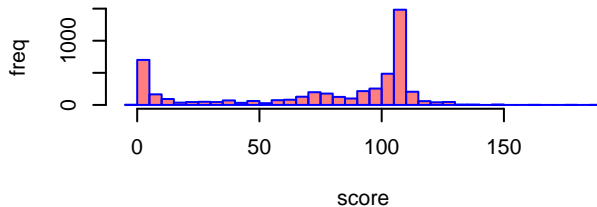


NHBE**Calu-3****A549****Vero****293T****Caco-2****Swab.Butler****Swab.Lieberman****BALF****SC.Liao****SC.Chua.Basal****SC.Chua.Ciliated**

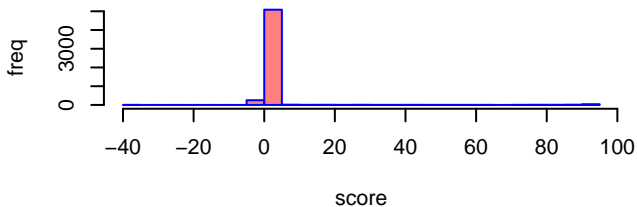
Ctrl_to_Primary



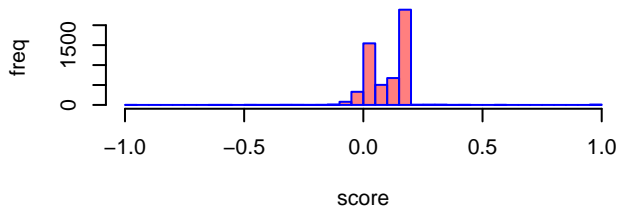
Primary_to_Ctrl



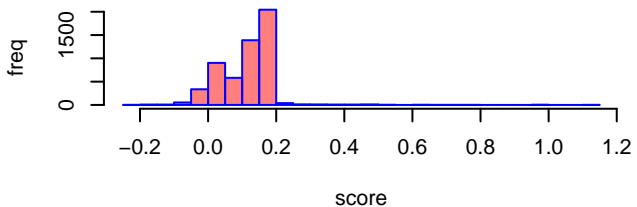
Ctrl_to_BD



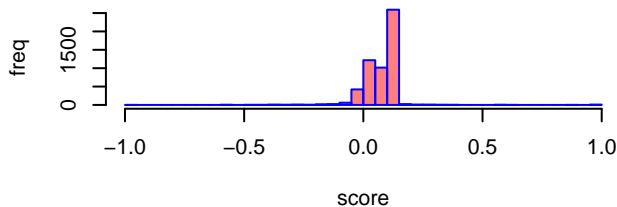
BD_to_Ctrl



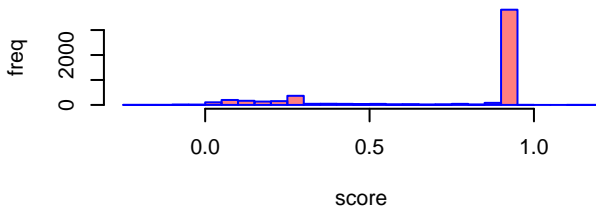
Ctrl_to_BD_R



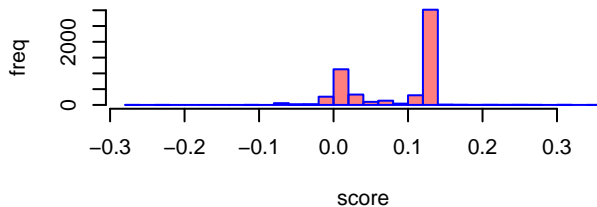
BD_R_to_Ctrl



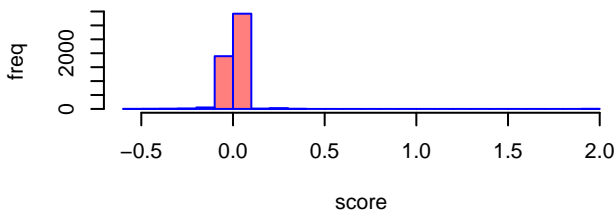
Ctrl_to_BD_NR



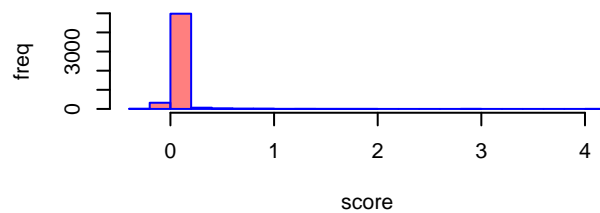
BD_NR_to_Ctrl



R_to_NR

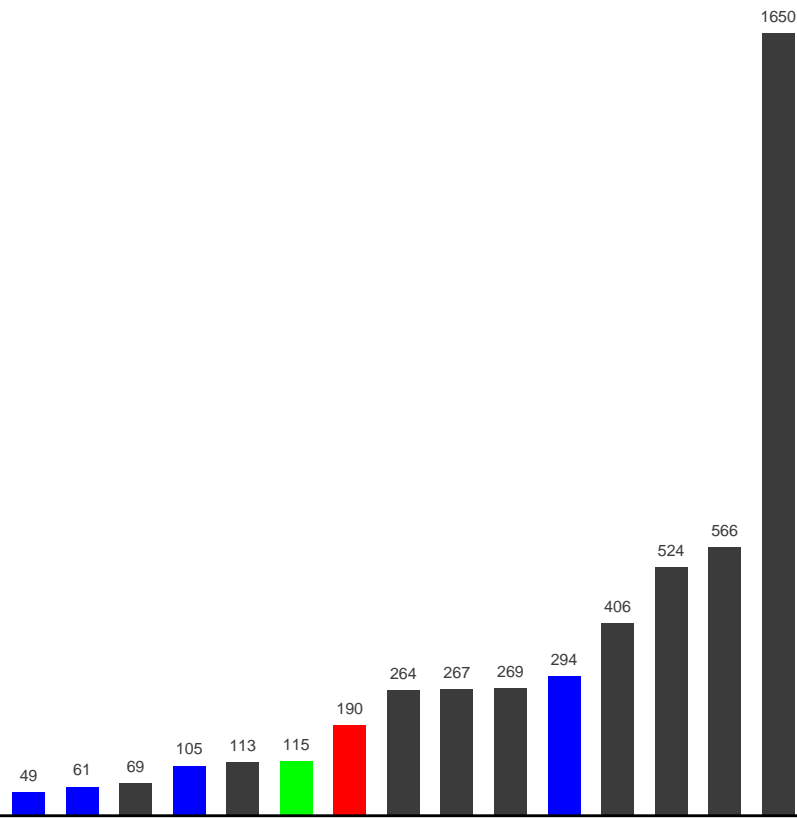


NR_to_R



Intersection Size

1500
1000
500
0

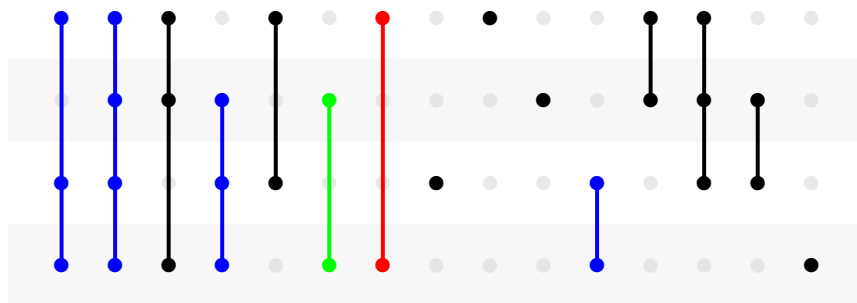


BD_NR_top

BD_R_top

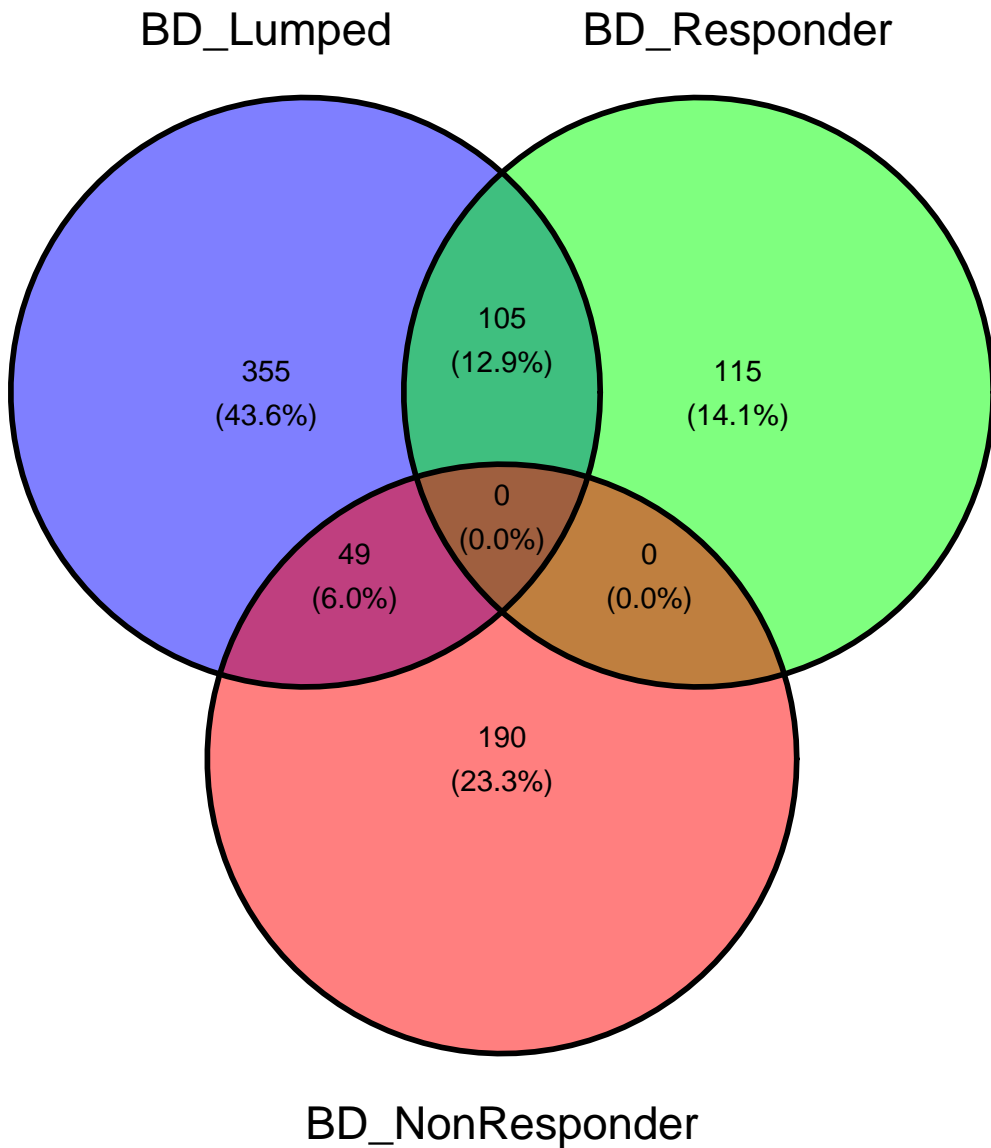
BD_top

Ctrl_unchanged

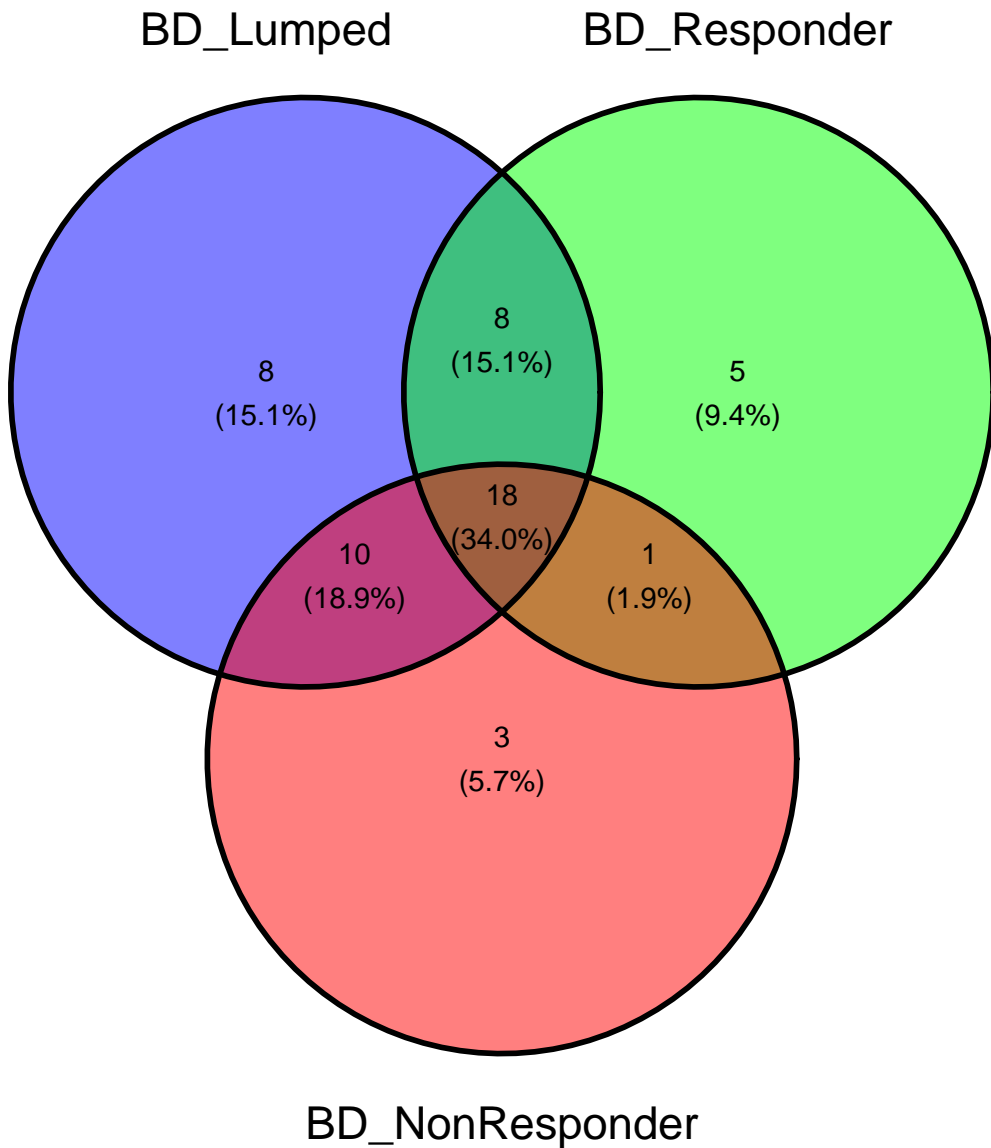


2500 2000 1500 1000 500 0
Set Size

Overlap in rxns disrupted between models



Overlap in subSystems disrupted between models

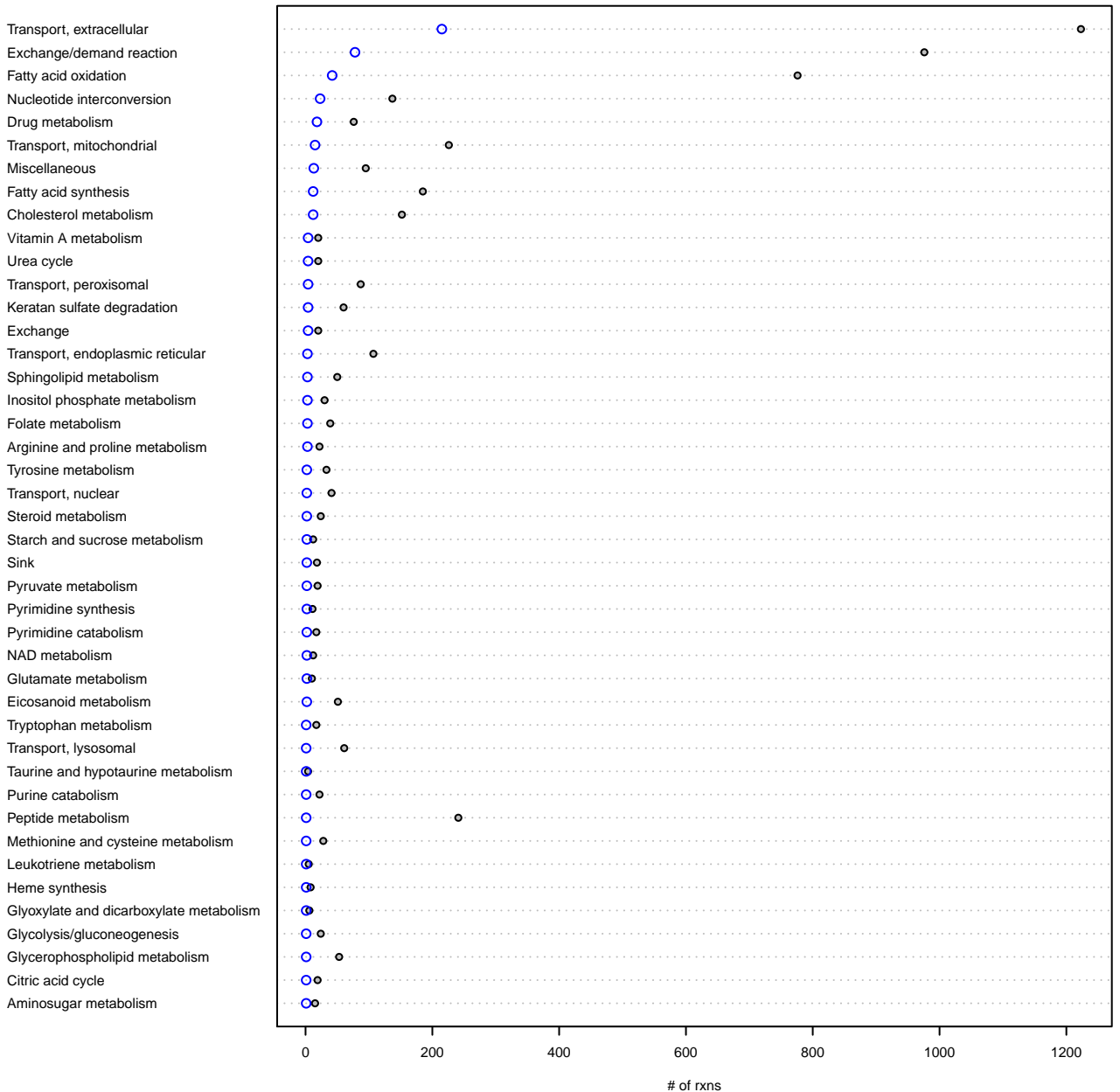


of mta hits (bd_lumped)

Transport, extracellular
Exchange/demand reaction
Fatty acid oxidation
Nucleotide interconversion
Drug metabolism
Transport, mitochondrial
Miscellaneous
Fatty acid synthesis
Cholesterol metabolism
Vitamin A metabolism
Urea cycle
Transport, peroxisomal
Keratan sulfate degradation
Exchange
Transport, endoplasmic reticular
Sphingolipid metabolism
Inositol phosphate metabolism
Folate metabolism
Arginine and proline metabolism
Tyrosine metabolism
Transport, nuclear
Steroid metabolism
Starch and sucrose metabolism
Sink
Pyruvate metabolism
Pyrimidine synthesis
Pyrimidine catabolism
NAD metabolism
Glutamate metabolism
Eicosanoid metabolism
Tryptophan metabolism
Transport, lysosomal
Taurine and hypotaurine metabolism
Purine catabolism
Peptide metabolism
Methionine and cysteine metabolism
Leukotriene metabolism
Heme synthesis
Glyoxylate and dicarboxylate metabolism
Glycolysis/gluconeogenesis
Glycerophospholipid metabolism
Citric acid cycle
Aminosugar metabolism

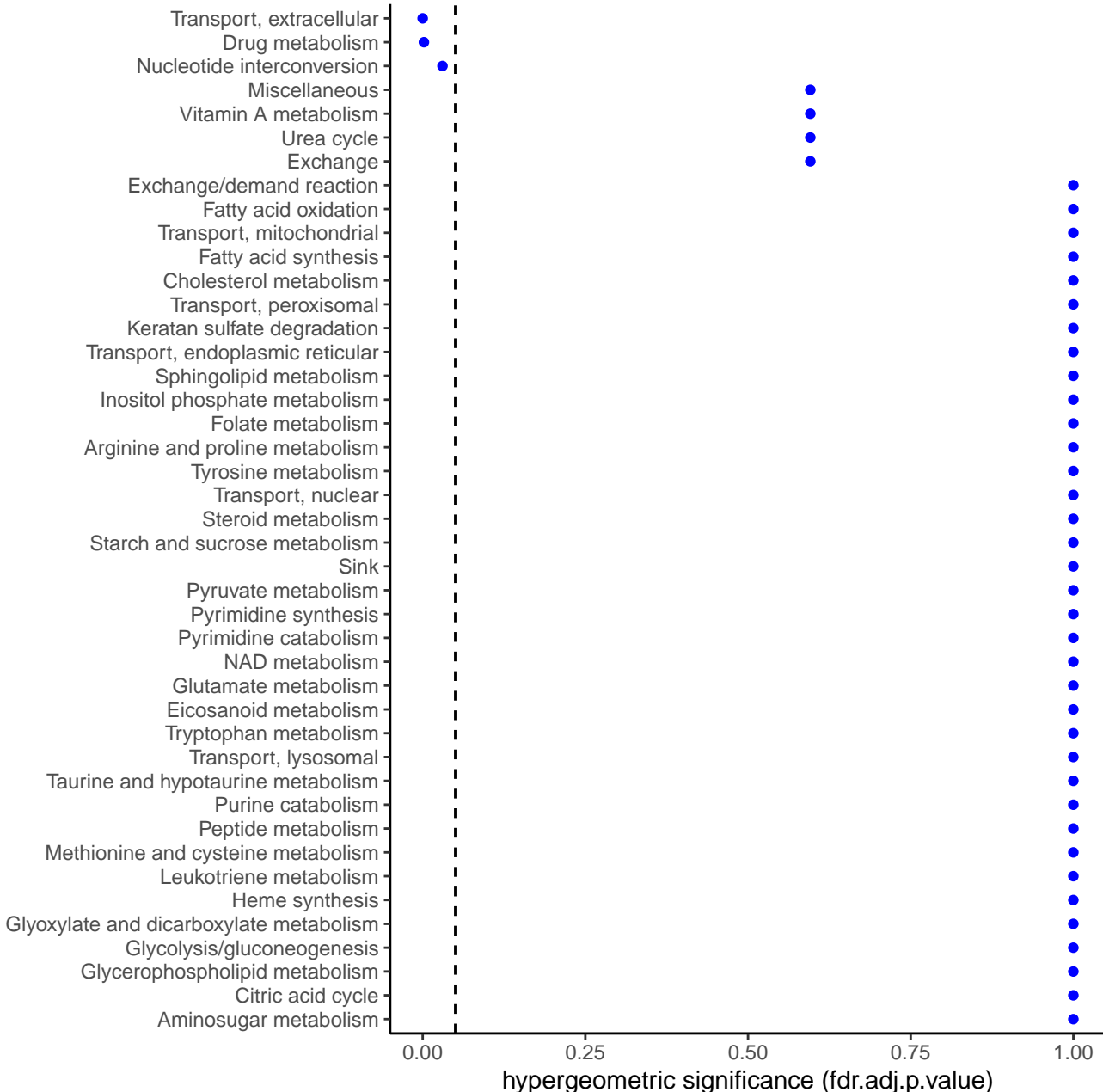


of mta hits (bd_lumped) vs all rxns

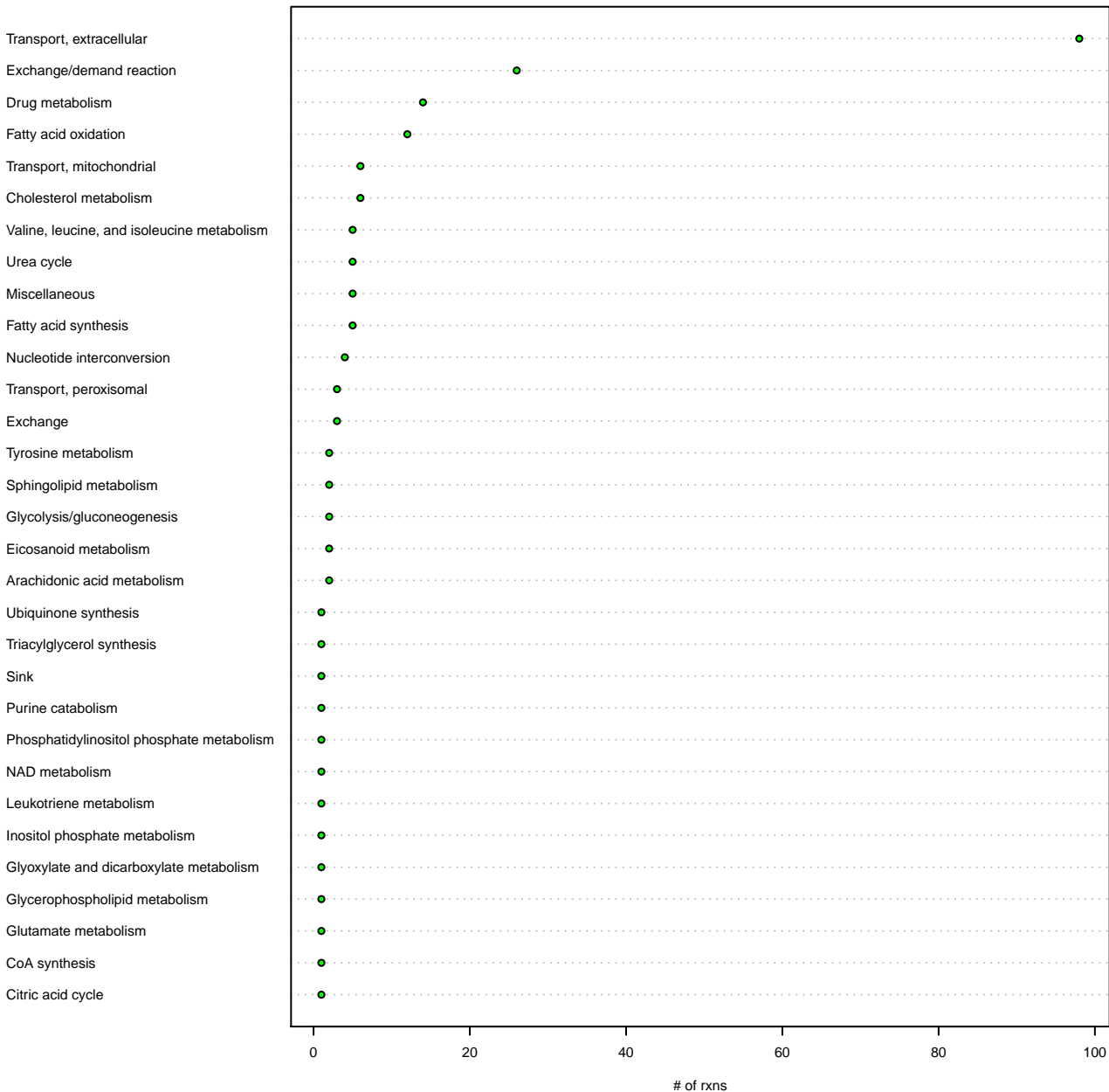


over-representation analysis, bd_lumped

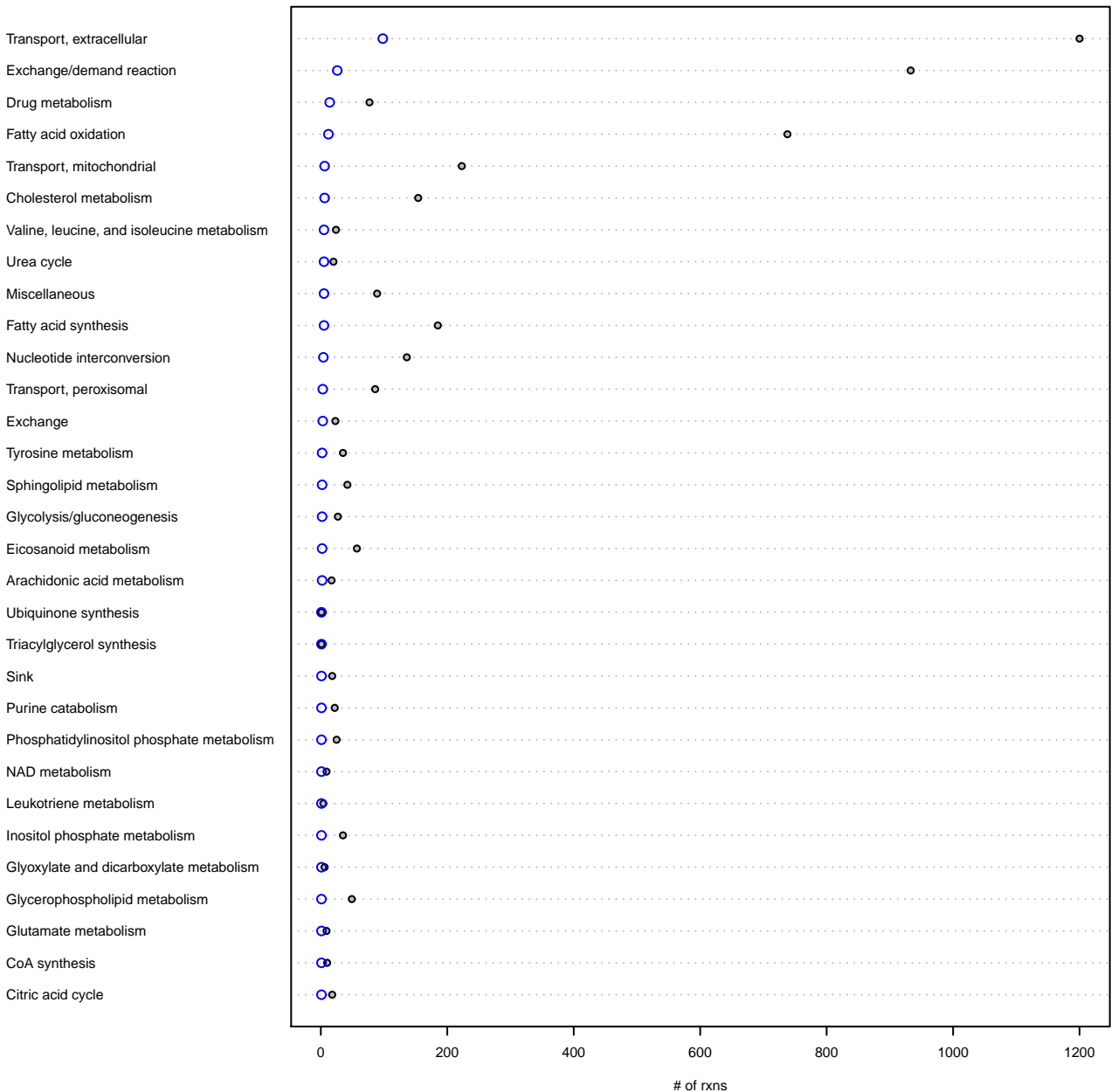
subSystem_BC



of mta hits (bd_responder)

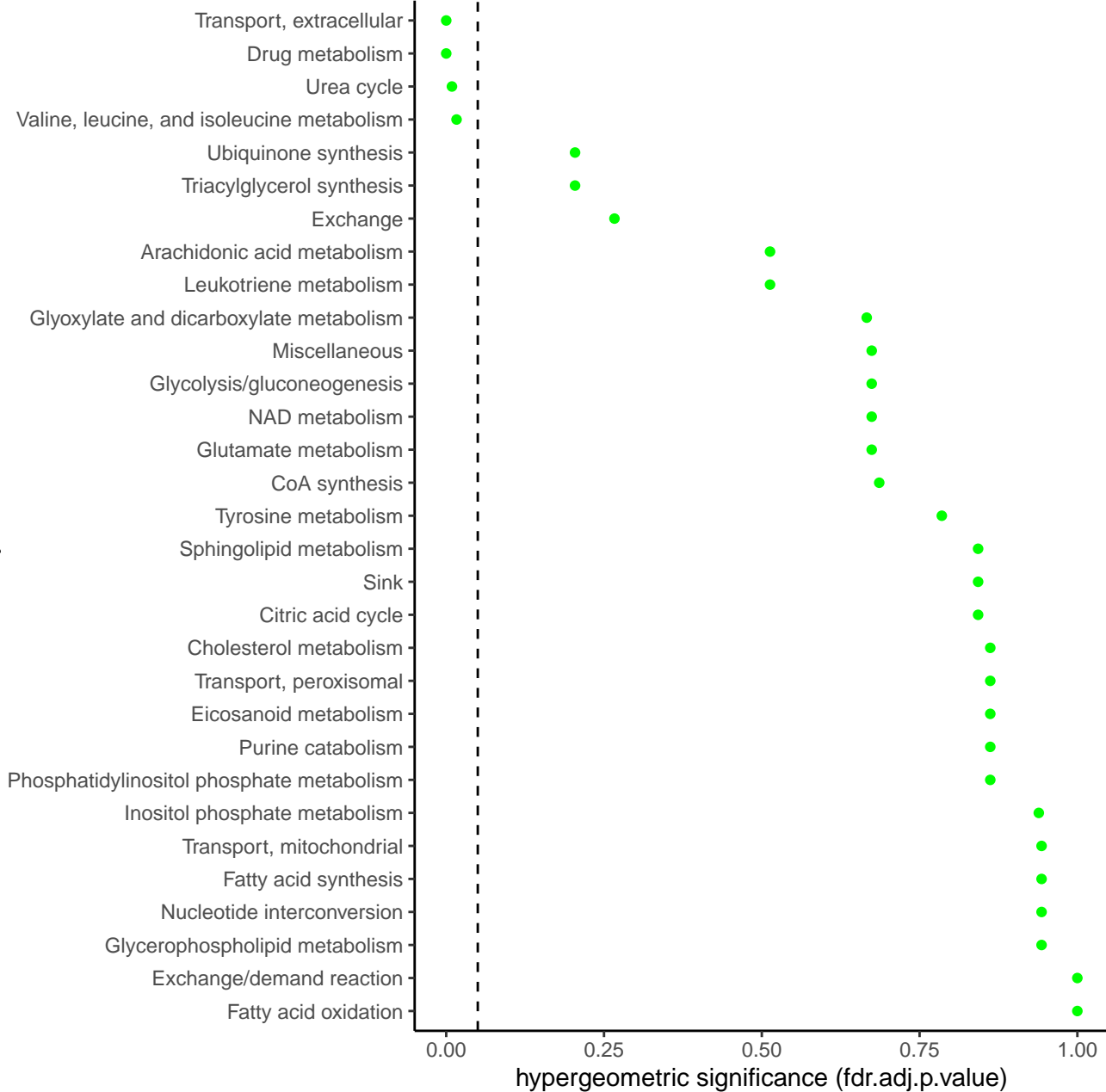


of mta hits (bd_responder) vs all rxns

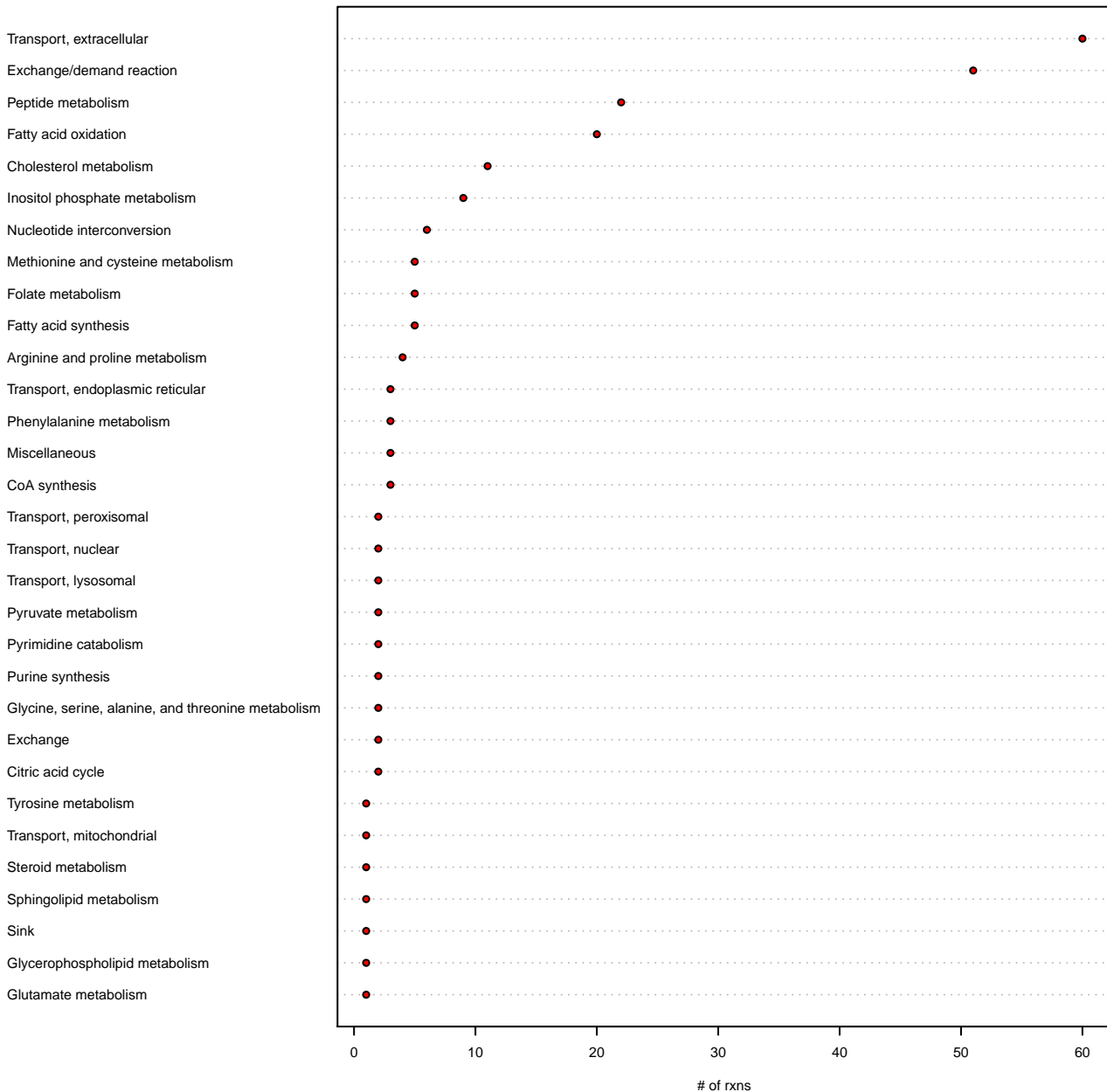


over-representation analysis, bd_responder

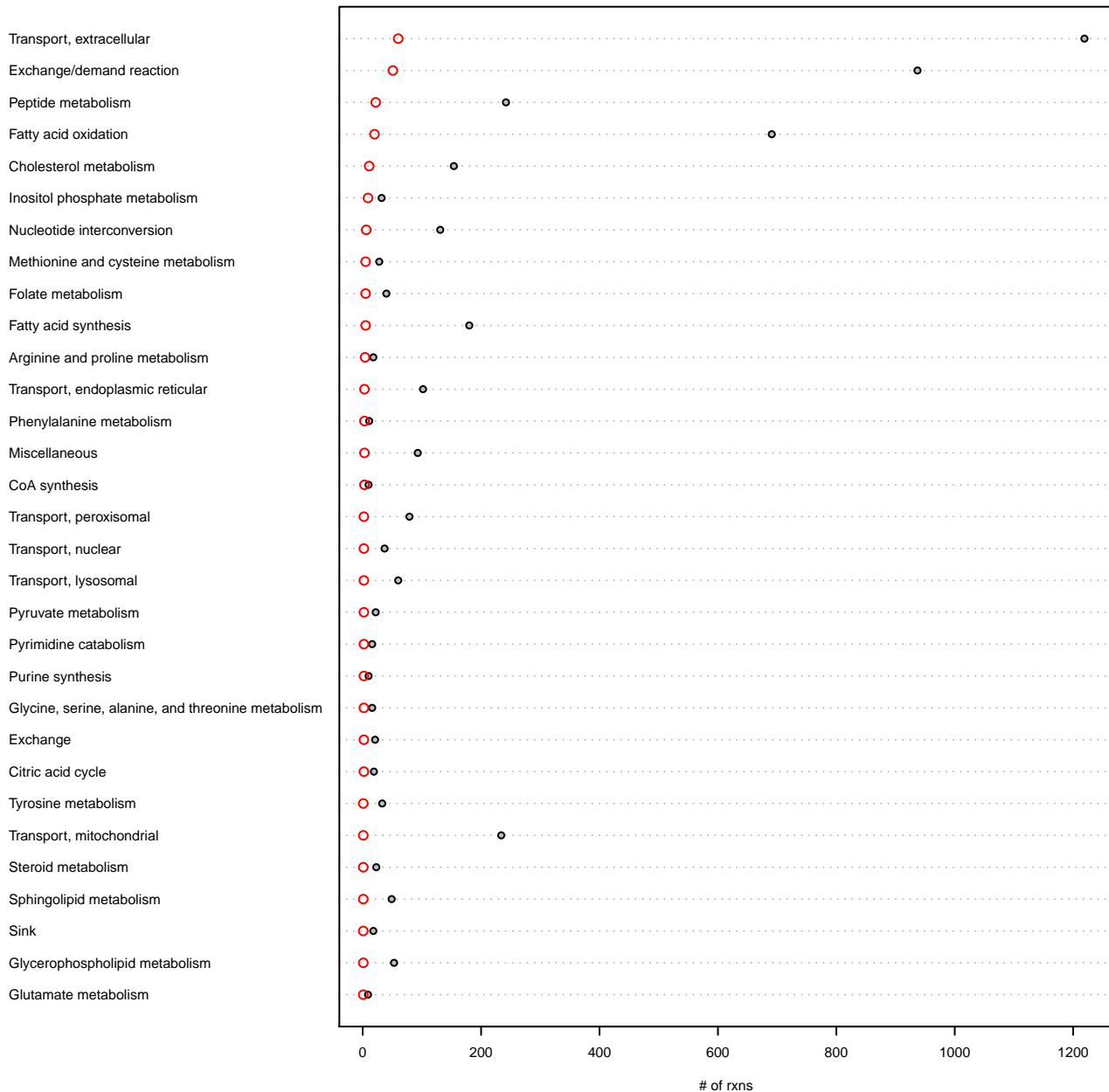
subSystem_BRC



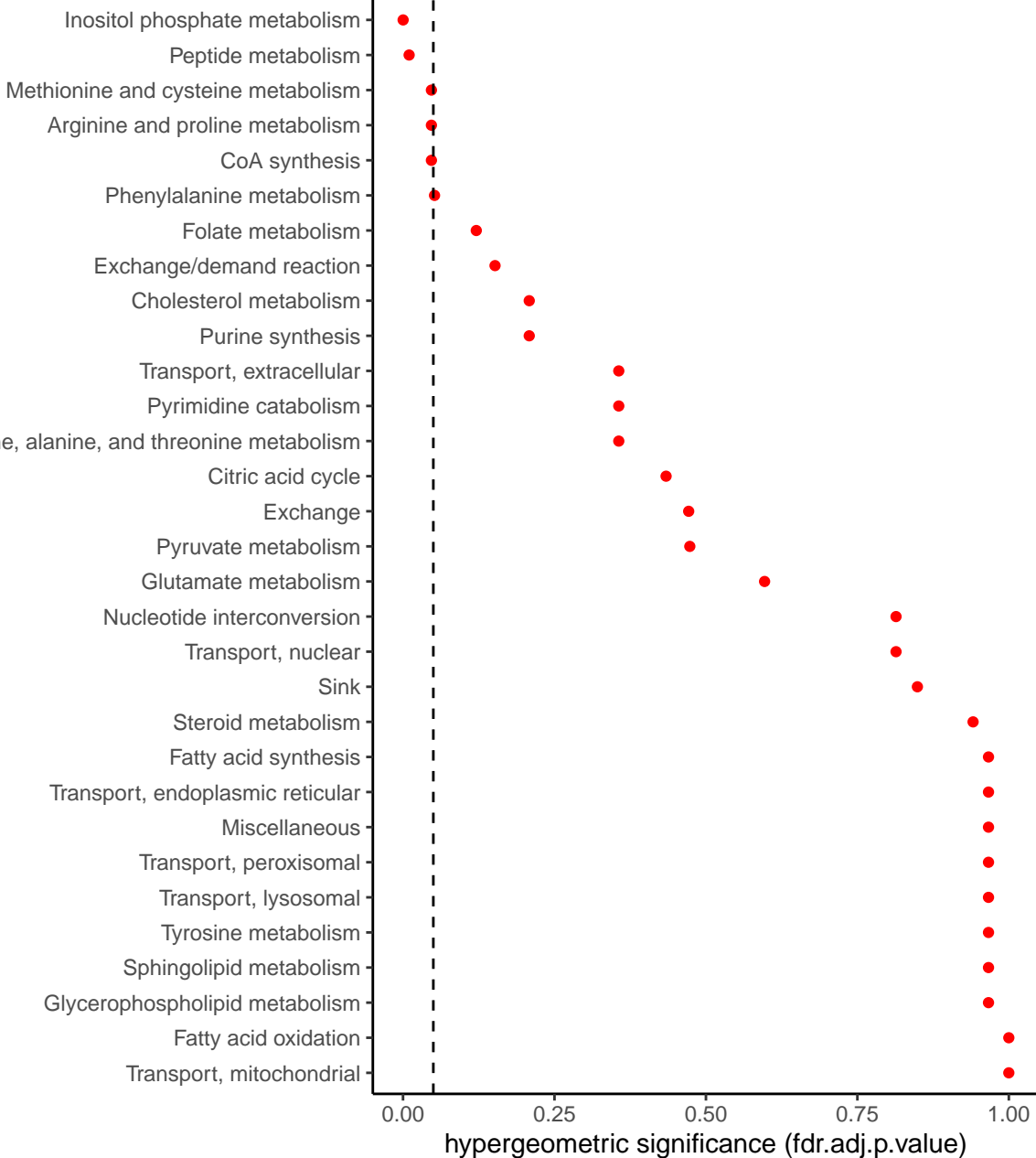
of disrupted rxns (bd_nonresponder)



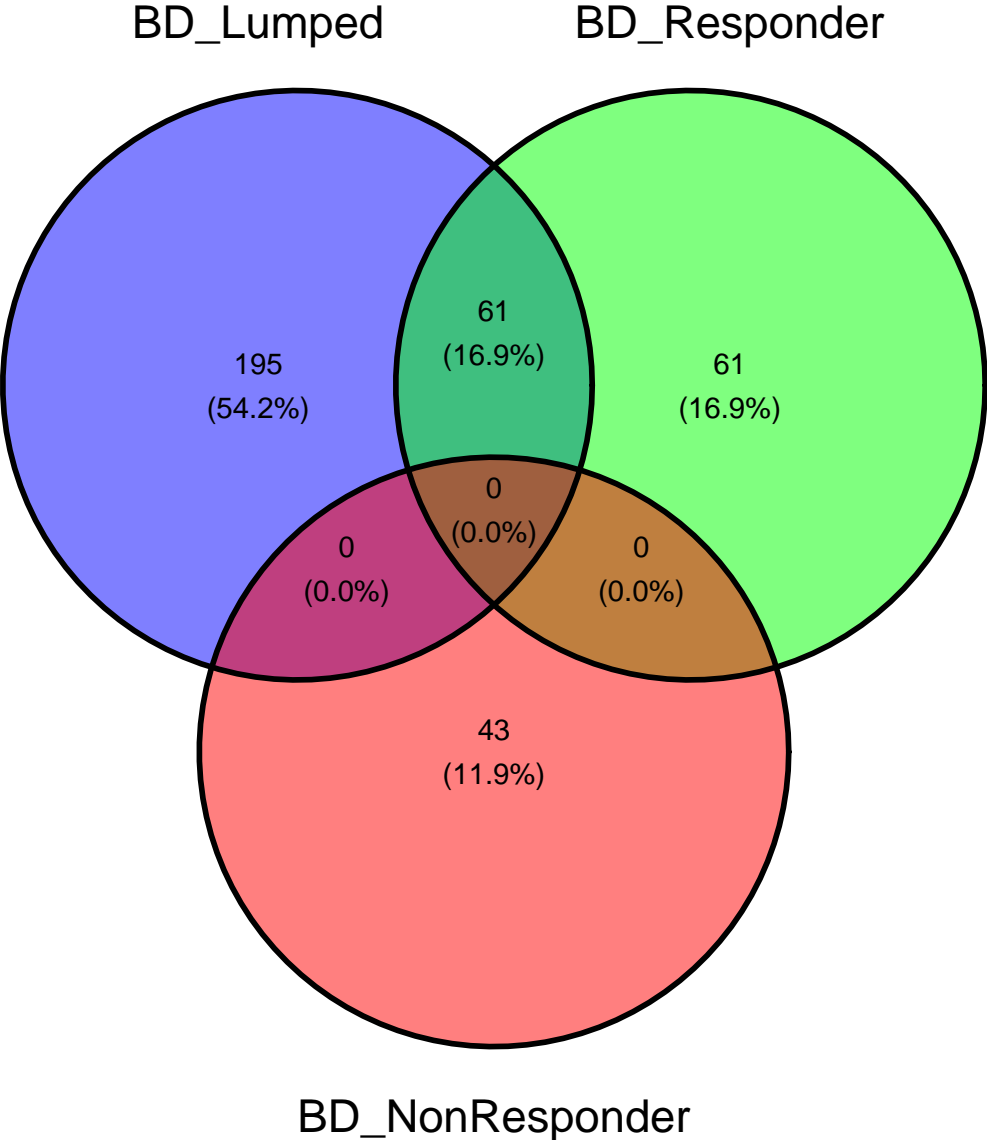
of disrupted rxns (bd_nonresponder) vs all rxns



subSystem_BNRC



Overlap in rxns (fdr.significant) disrupted between models



Overlap in subSystems (fdr.significant) disrupted between models

