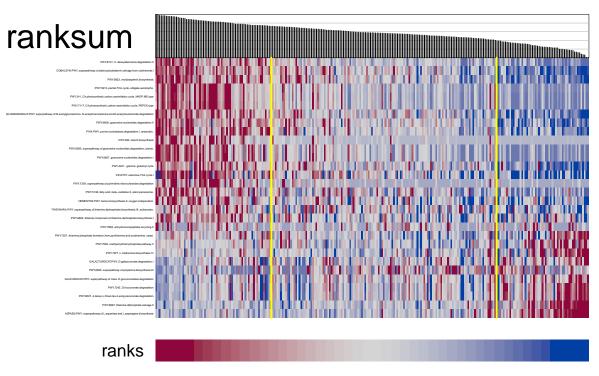
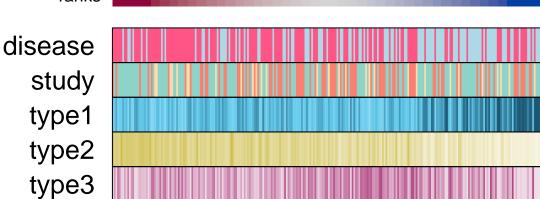
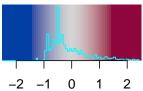


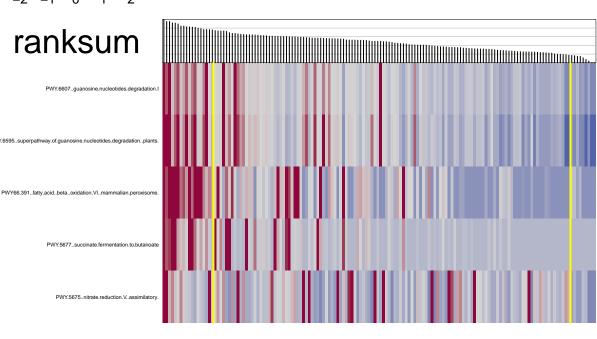
# type1\_counts



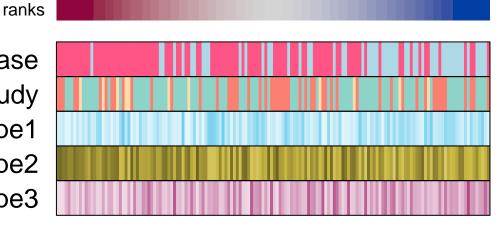


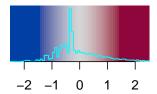


## type2\_counts



disease study type1 type2 type3





## type3\_counts

#### ranksum

PWY.5913. partial.TCA.cycle..obligate.autotrophs. PWY.241..C4.photosynthetic.carbon.assimilation.cycle..NADP.ME.type PWY.7117..C4.photosynthetic.carbon.assimilation.cycle..PEPCk.type P23.PWY.reductive.TCA.cycle.1

PWY.7013...S..propane.1.2.diol.degradation

PWY.8131..5..deoxyadenosine.degradation.II PYRIDNUCSAL.PWY..NAD.salvage.pathway.I..PNC.VI.cycle. PWY3O.4107..NAD.salvage.pathway.V..PNC.V.cycle.

.PDLCAT.PWY..superpathway.of.glycerol.degradation.to.1.3.propanediol PWY.6549..L.glutamine.biosynthesis.III

PWY.622..starch.biosynthesis P164.PWY..purine.nucleobases.degradation.l..anaerobic.

PWY.6595..superpathway.of.guanosine.nucleotides.degradation..plants. PWY.6607..guanosine.nucleotides.degradation.I

PWY.7209...superpathway.of.pyrimidine.ribonucleosides.degradation PWY.5676..acetyl.CoA.fermentation.to.butanoate.II PWY.6588..pyruvate.fermentation.to.acetone

PWY66.391..fatty.acid..beta..oxidation.VI..mammalian.peroxisome. PWY.5677..succinate.fermentation.to.butanoate

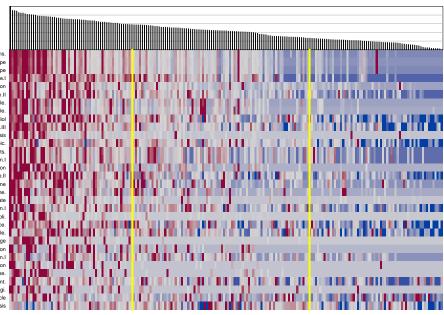
LACTOSECAT.PWY..lactose.and.galactose.degradation.l.
N.INITIAL.PWY..superpathway.of.fatty.acid.biosynthesis.initiation..E..coli.

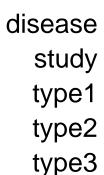
PWY.6470..peptidoglycan.biosynthesis.V...beta..lactam.resistance. P185.PWY..formaldehyde.assimilation.III..dihydroxyacetone.cycle. PWY.7196..superpathway.of.pyrimidine.ribonucleosides.salvage

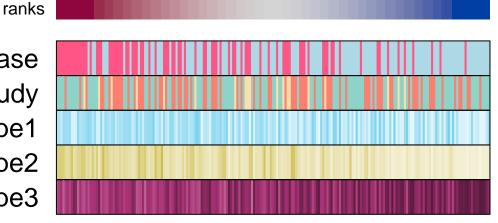
P221.PWY..octane.oxidation GLUCARDEG.PWY..D.glucarate.degradation.1 P621.PWY..nylon.6.oligomer.degradation PWY.5994..palmitate.biosynthesis..type.l.fatty.acid.synthase.

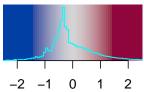
HEMESYN2.PWY..heme.b.biosynthesis.II..oxygen.independent. PWY.6293..superpathway.of.L.cysteine.biosynthesis..fungi. PWY.4041...gamma..glutamyl.cycle

POLYAMINE.SYN..superpathway.of.arginine.and.polyamine.biosynthesis

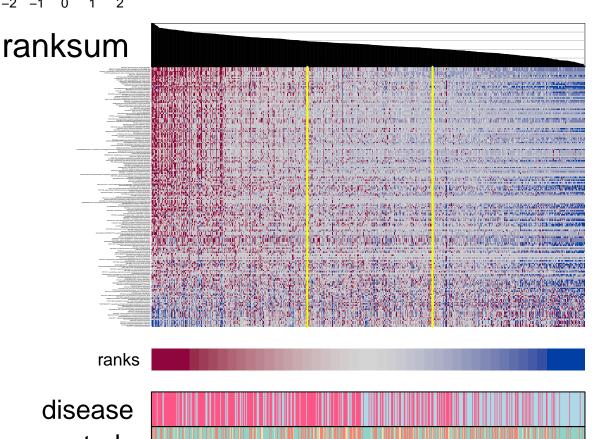




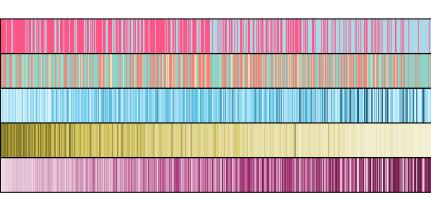


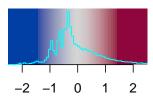


### noAA\_allIBD\_counts



study study type1 type2 type3





### withAA\_allIBD\_count

