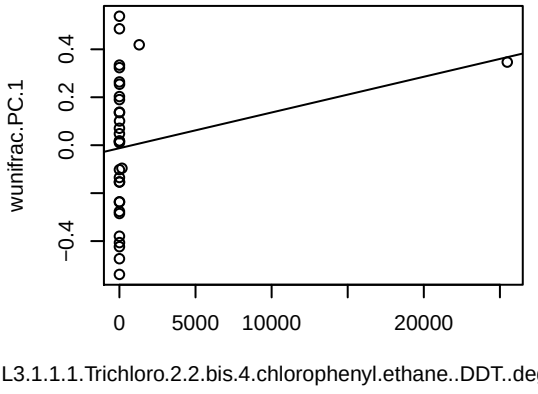
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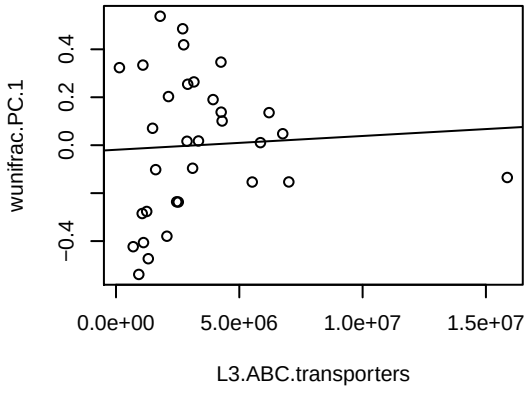
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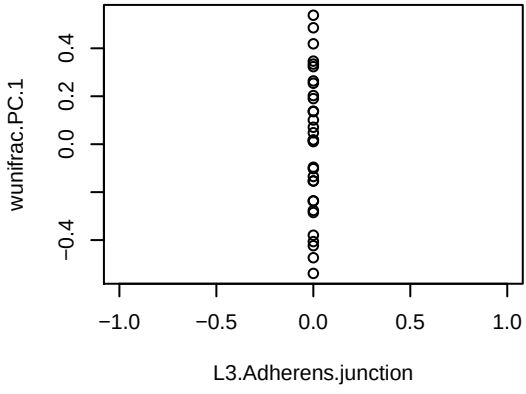
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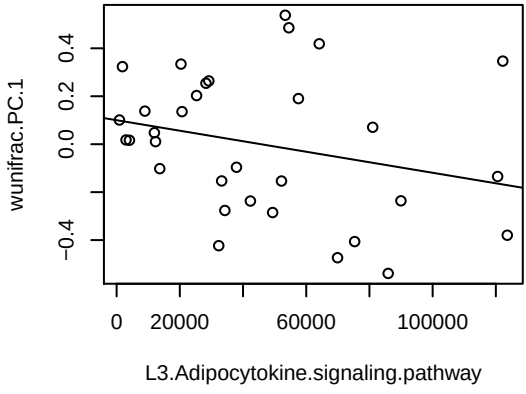
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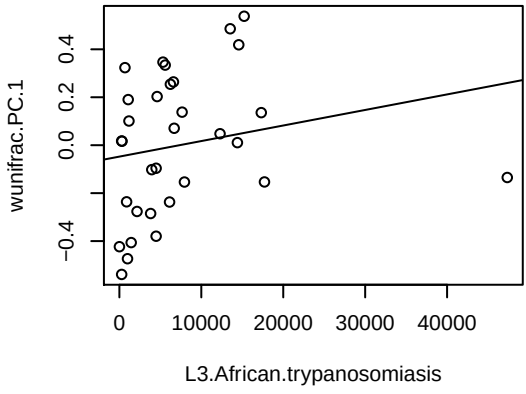
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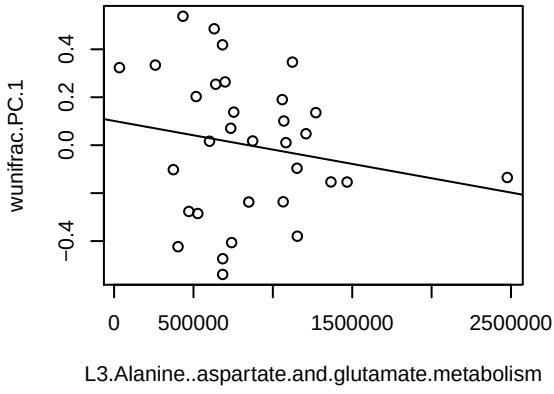
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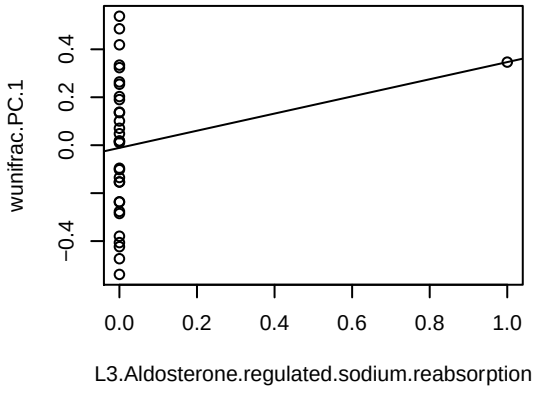
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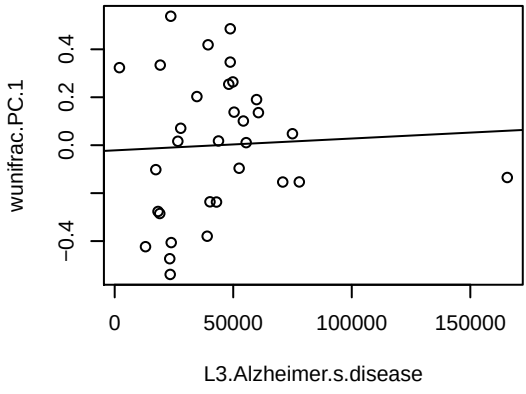
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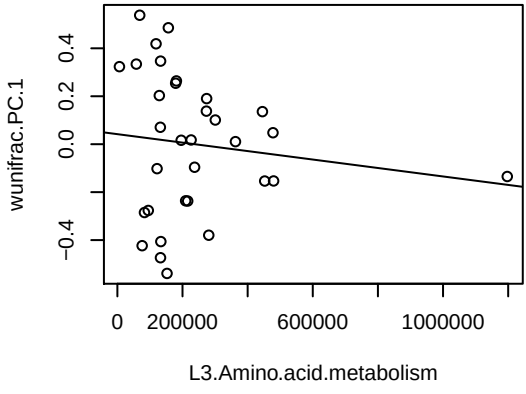
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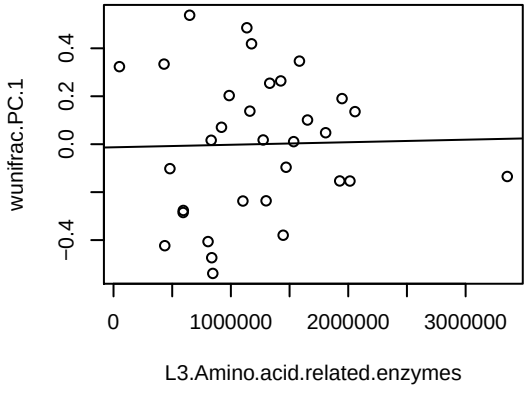
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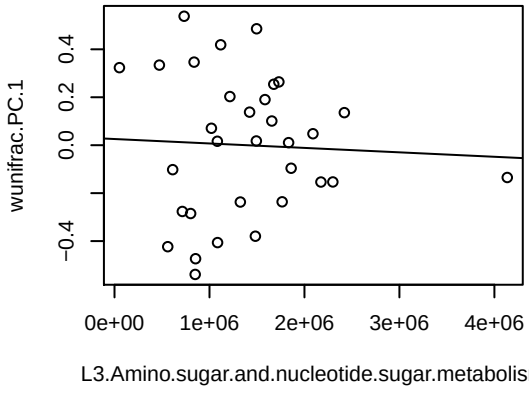
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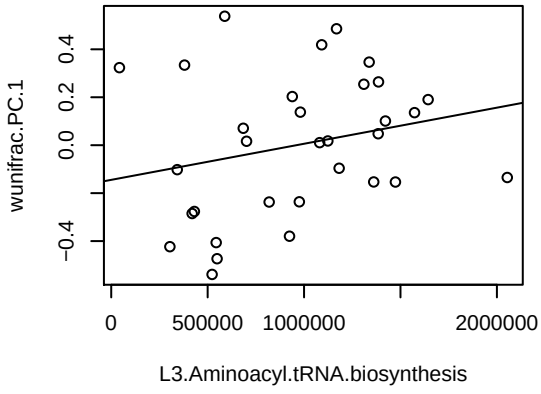
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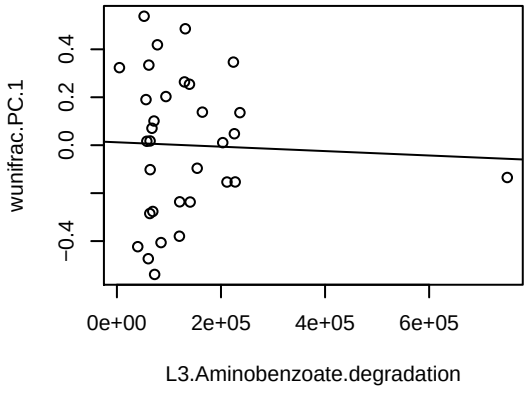
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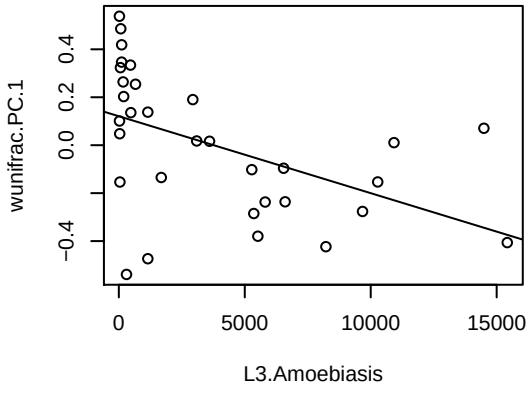
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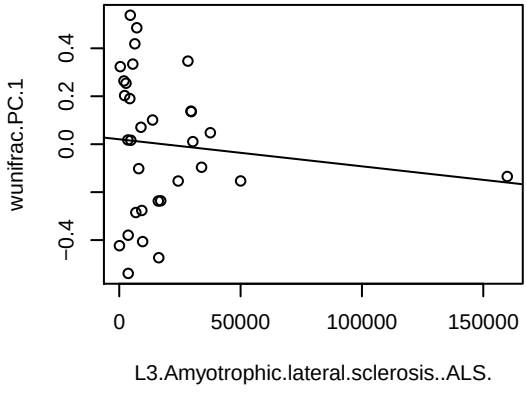
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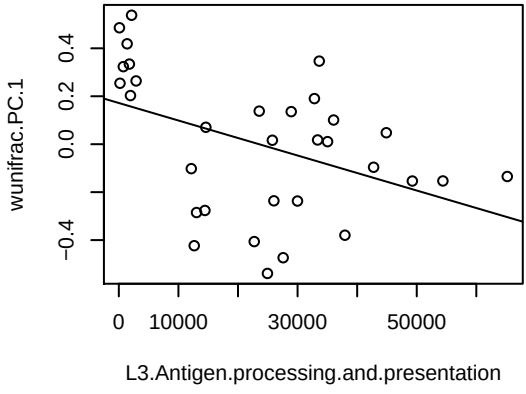
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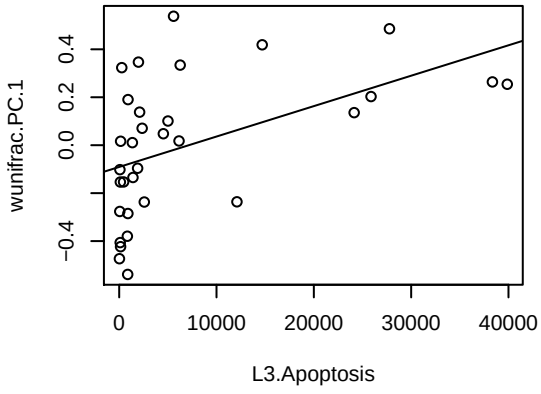
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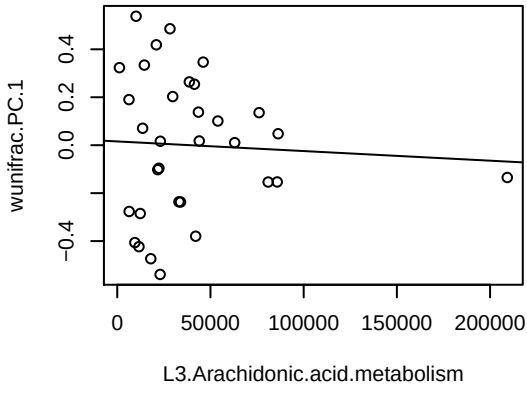
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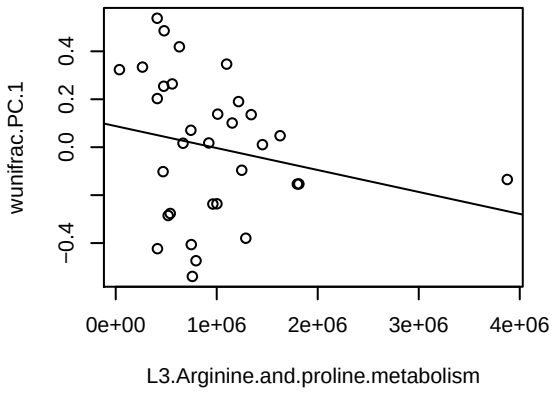
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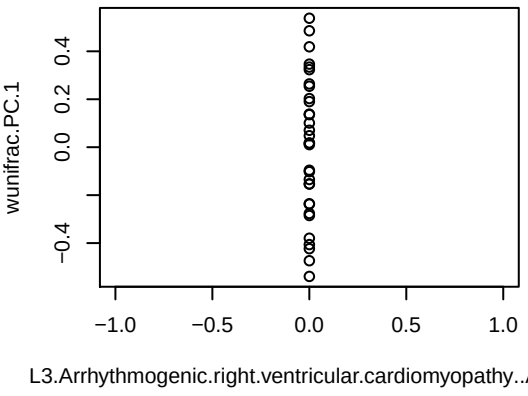
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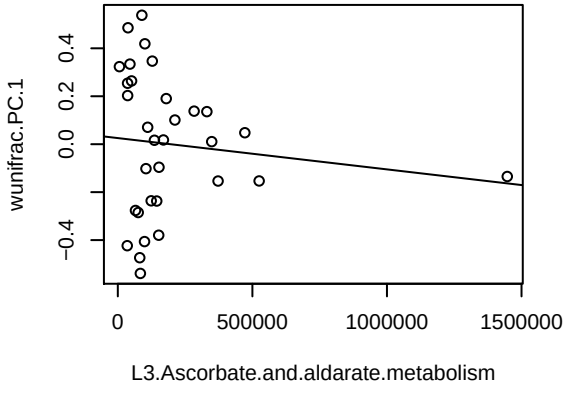
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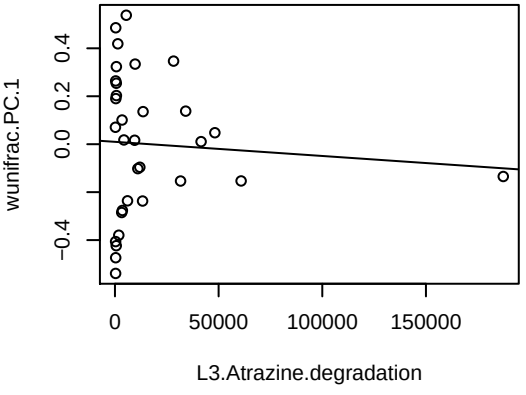
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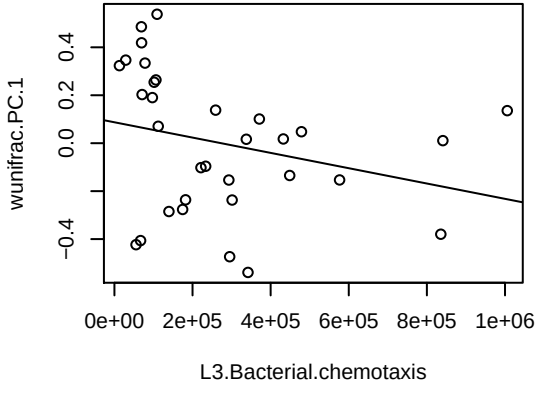
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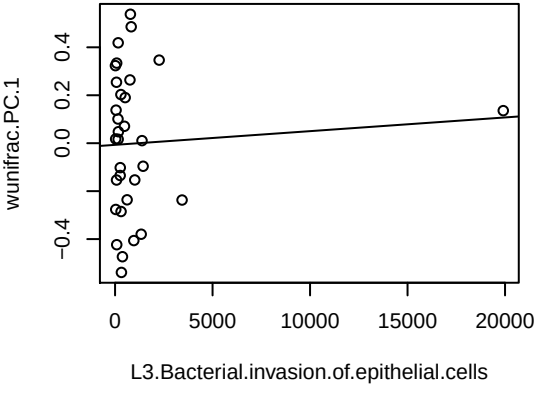
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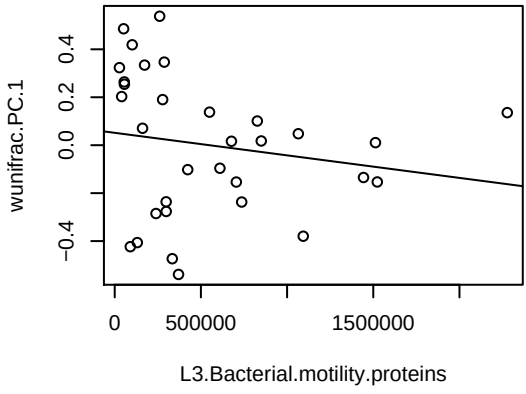
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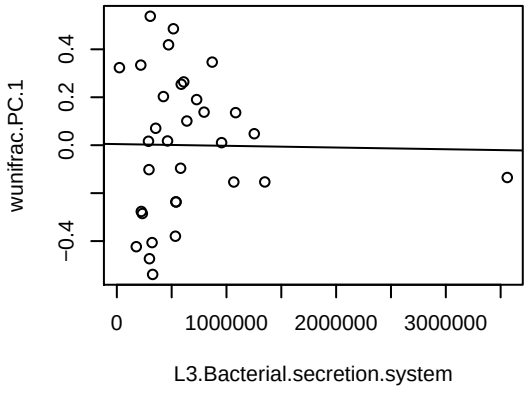
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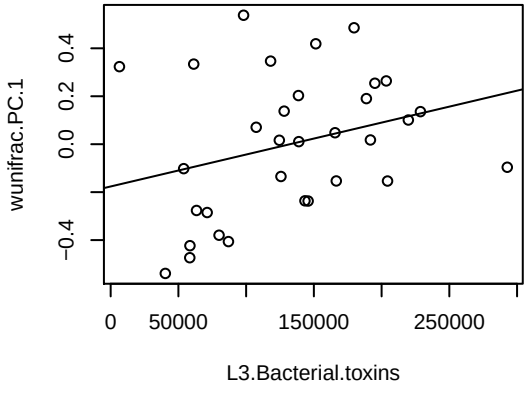
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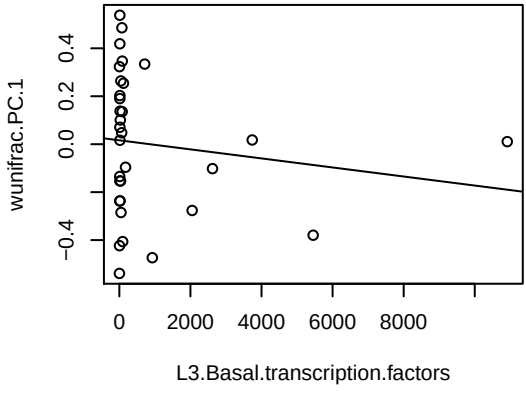
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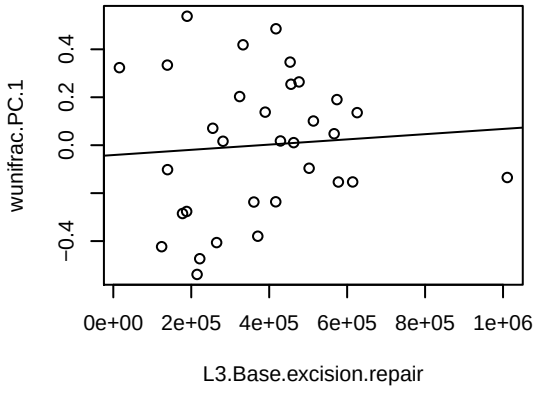
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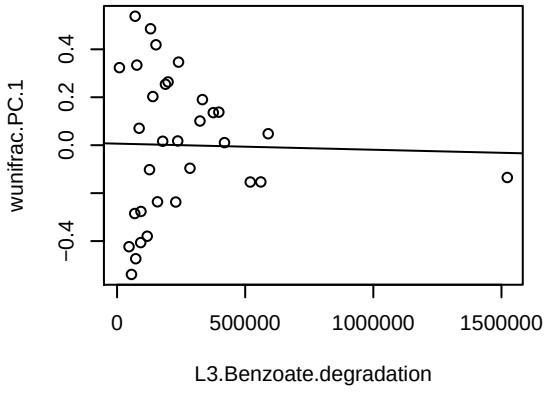
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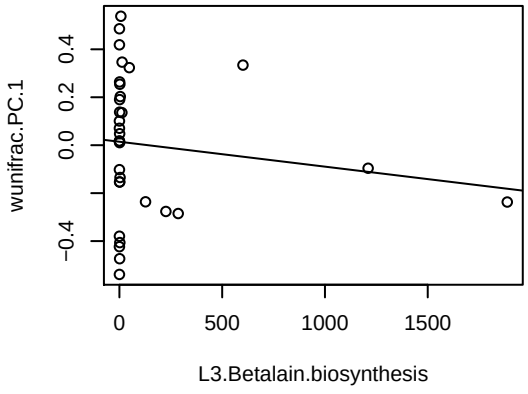
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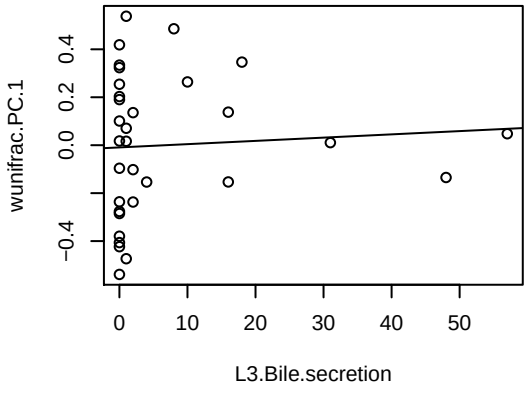
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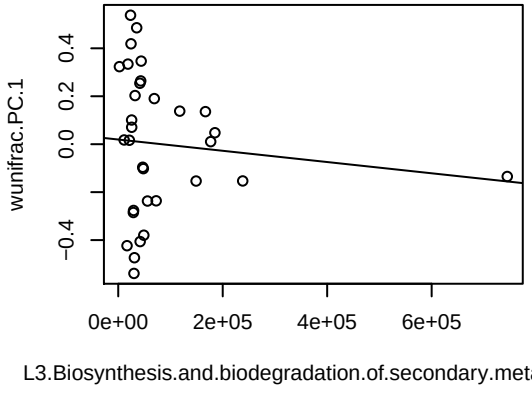
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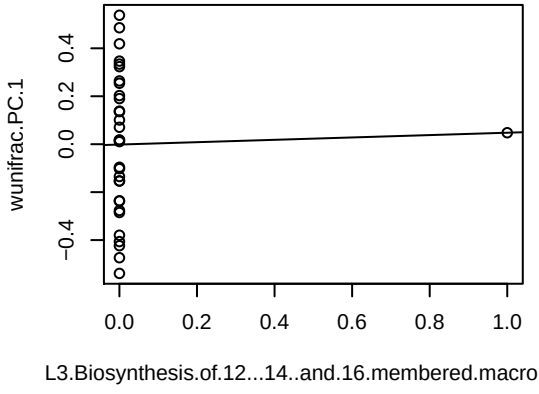
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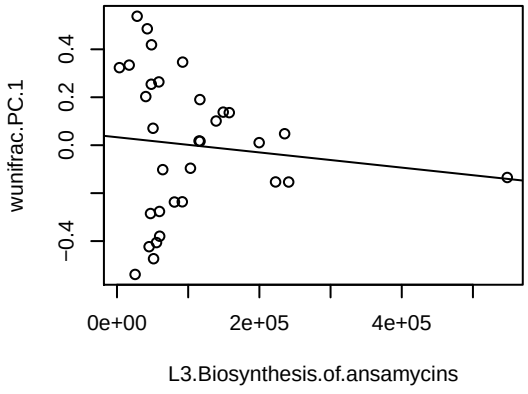
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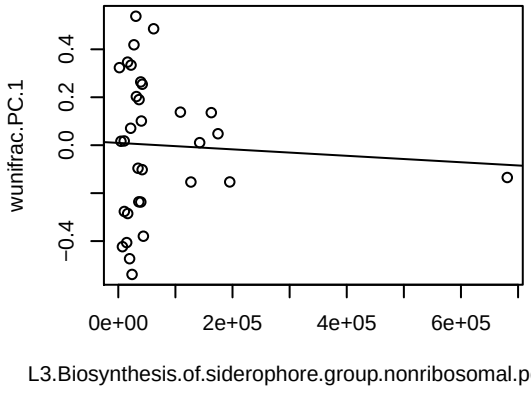
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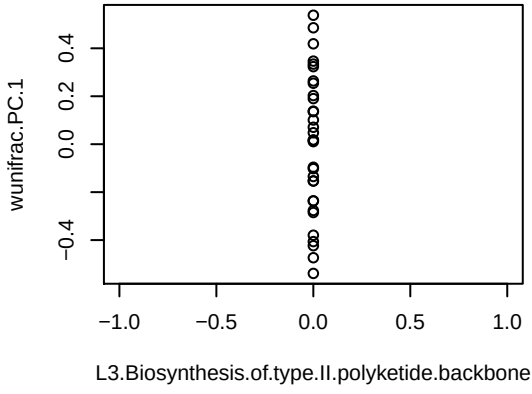
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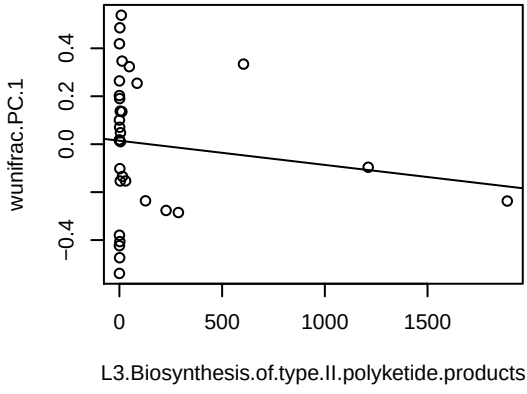
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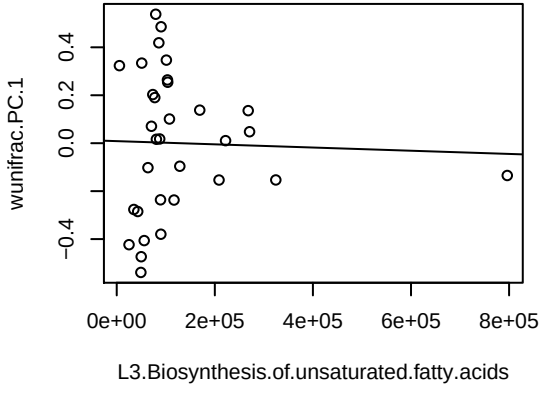
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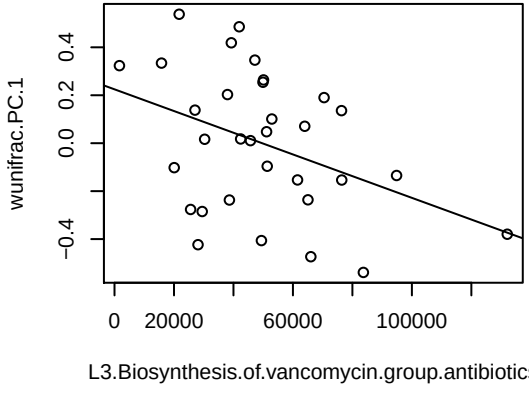
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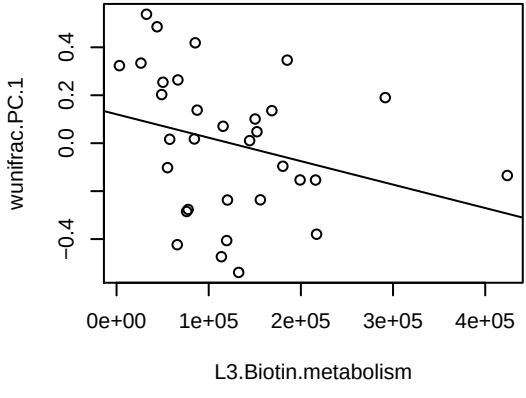
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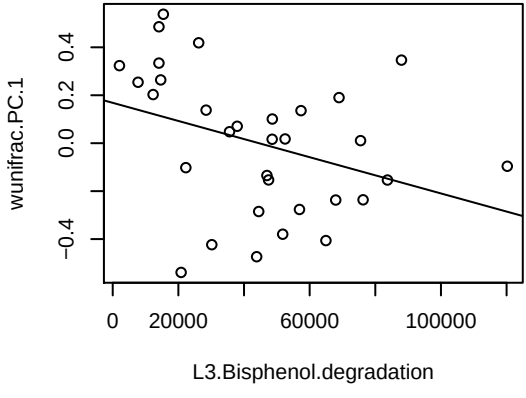
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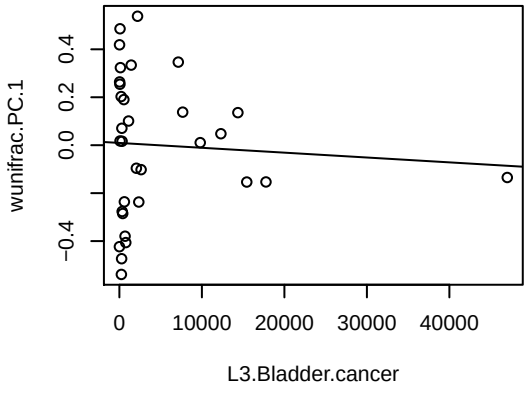
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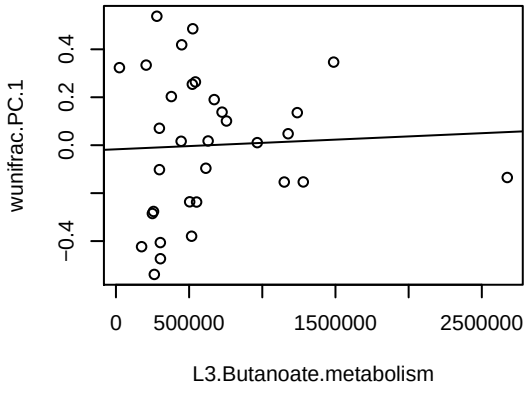
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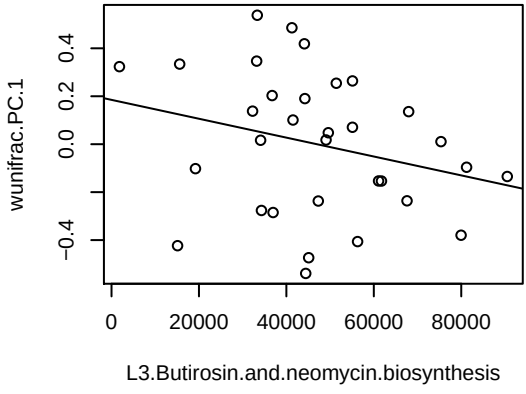
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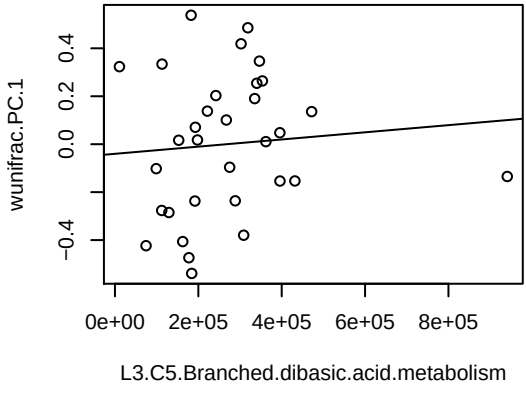
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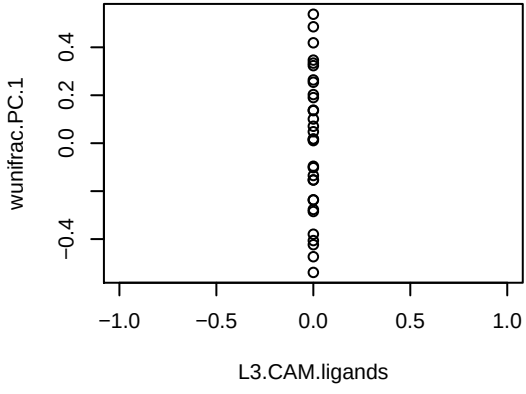
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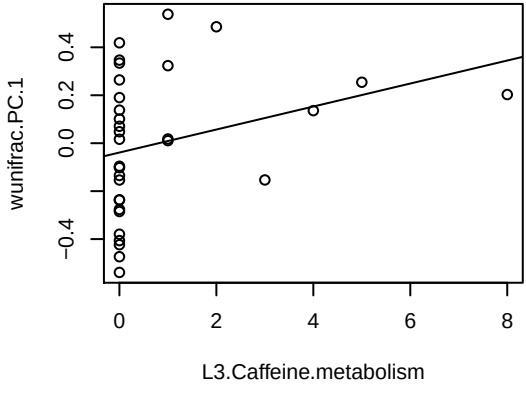
L3.CAM.ligands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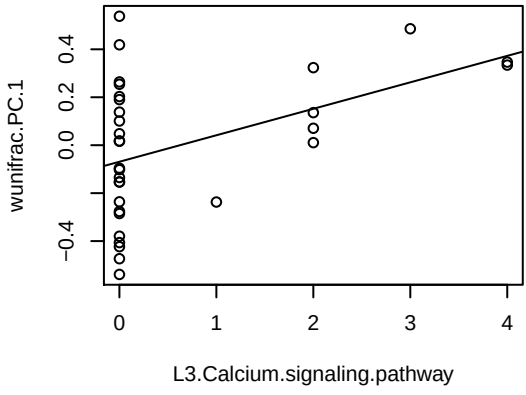
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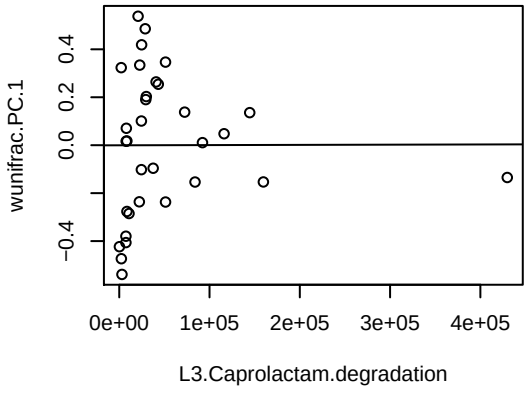
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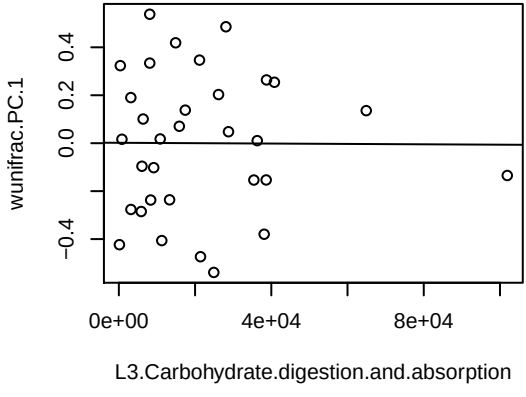
L3.Caprolactam.degradation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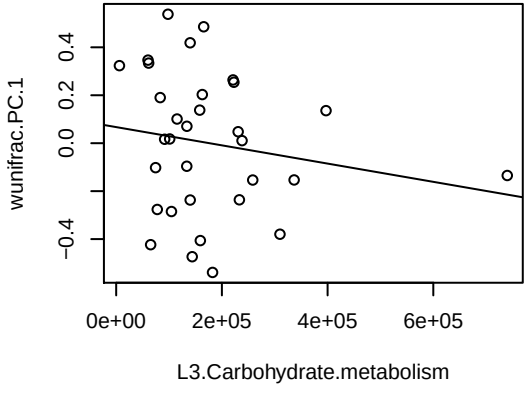
L3.Carbohydrate.digestion.and.absorption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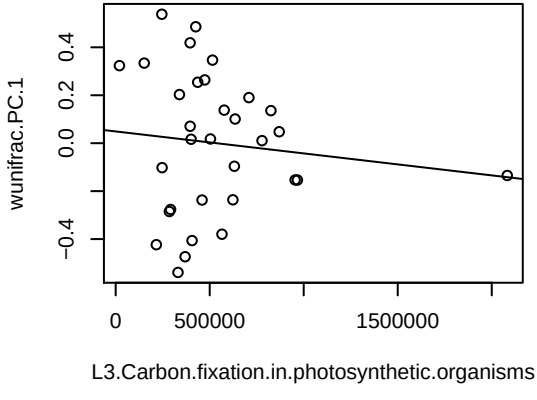
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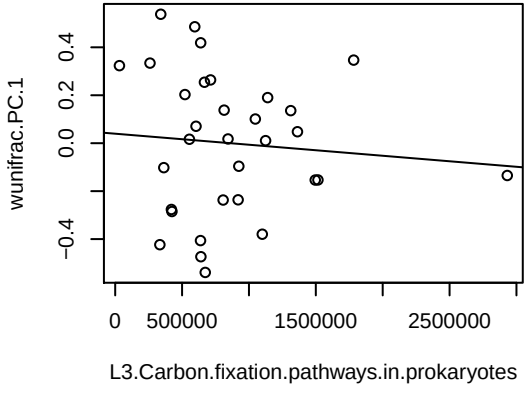
L3.Carbon.fixation.in.photosynthetic.organisms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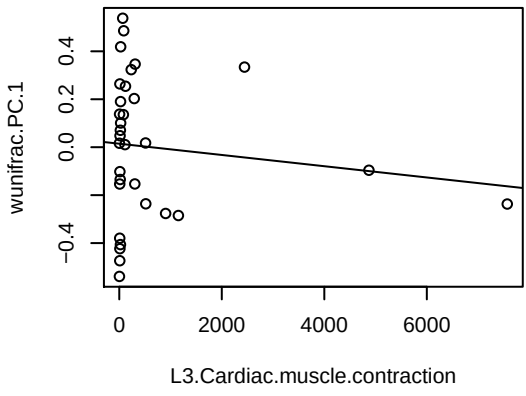
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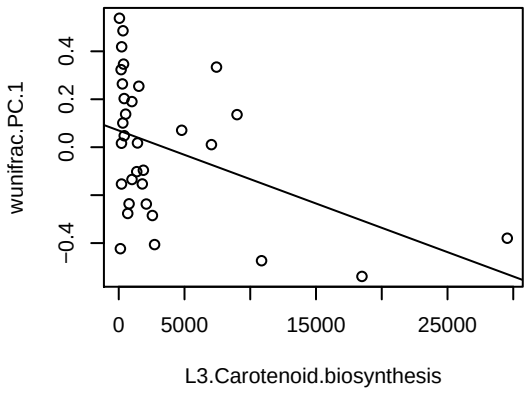
L3.Cardiac.muscle.contraction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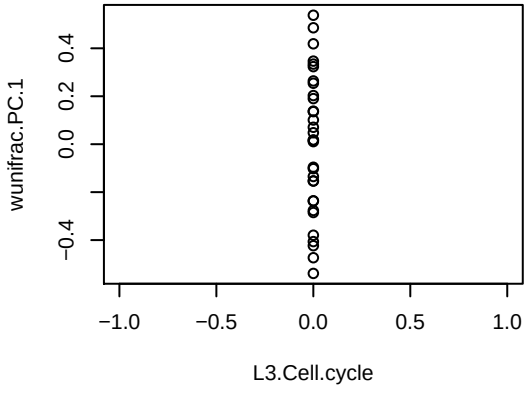
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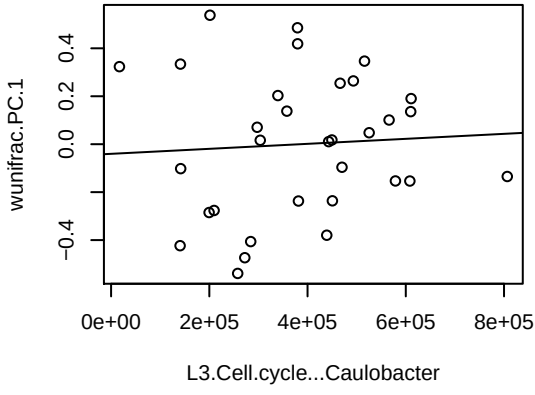
L3.Cell.cycle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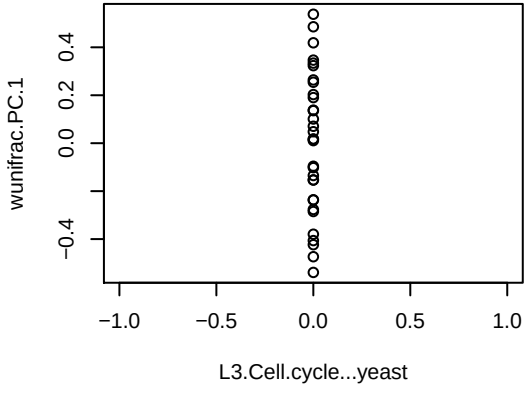
L3.Cell.cycle...Caulobacter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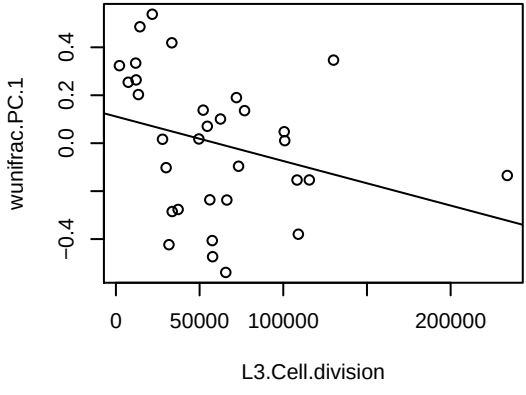
L3.Cell.cycle...yeast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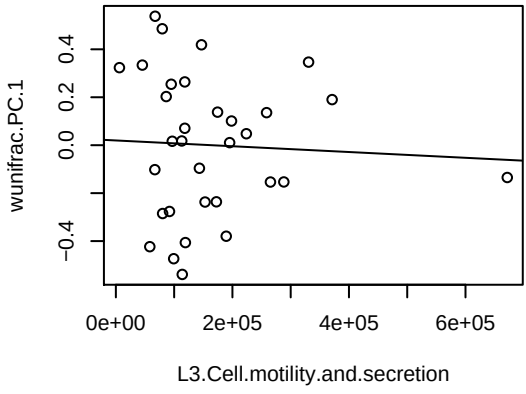
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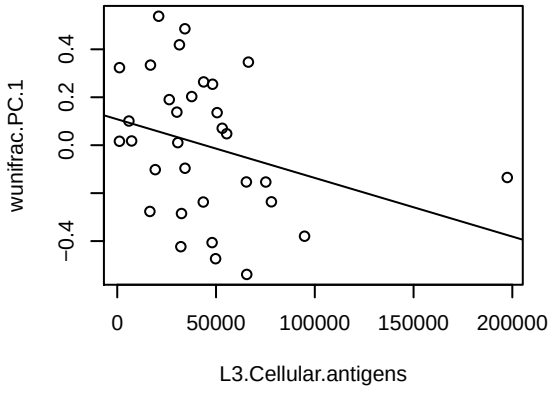
L3.Cell.motility.and.secretion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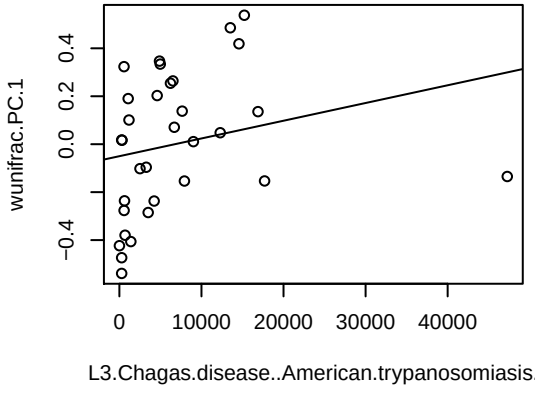
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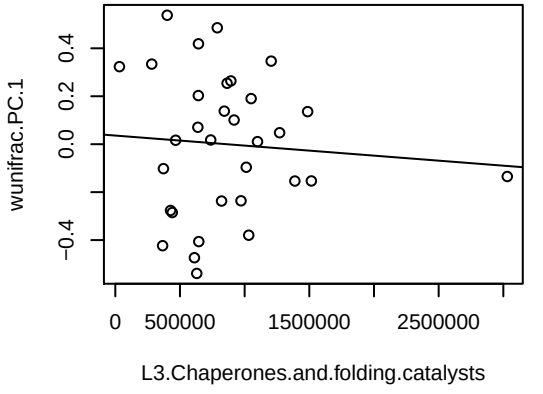
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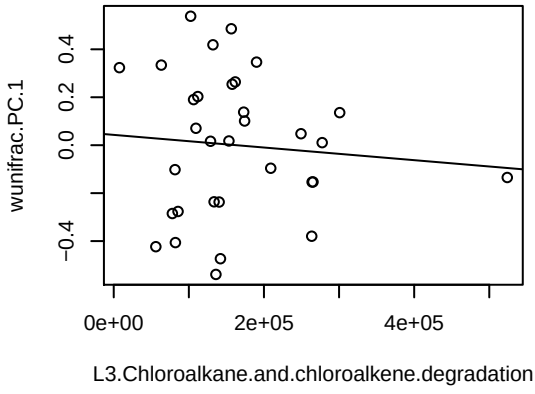
L3.Chaperones.and.folding.catalysts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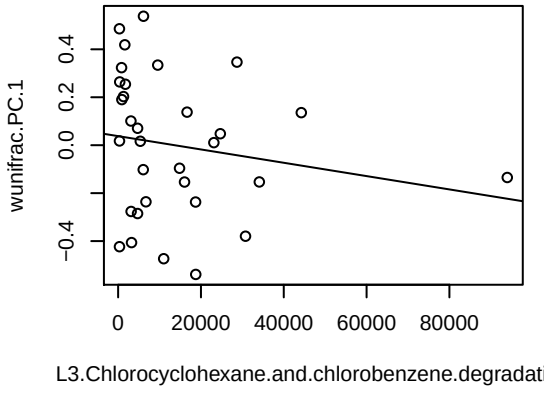
L3.Chloroalkane.and.chloroalkene.degradation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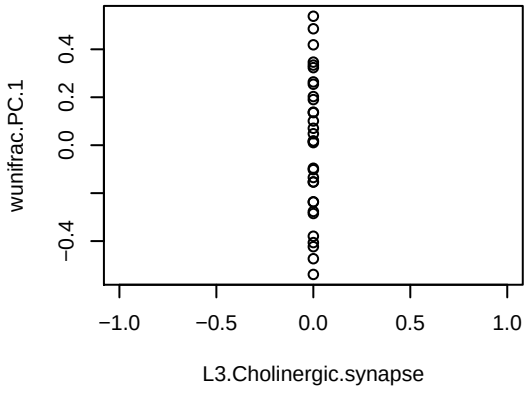
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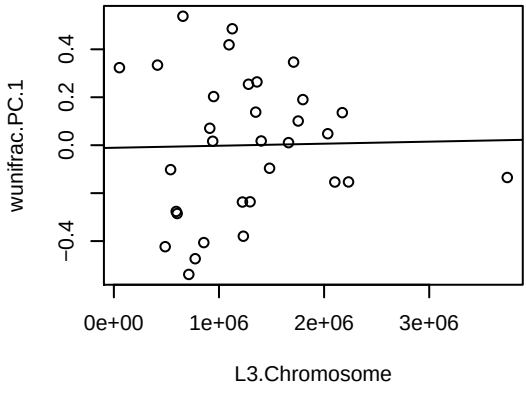
L3.Cholinergic.synapse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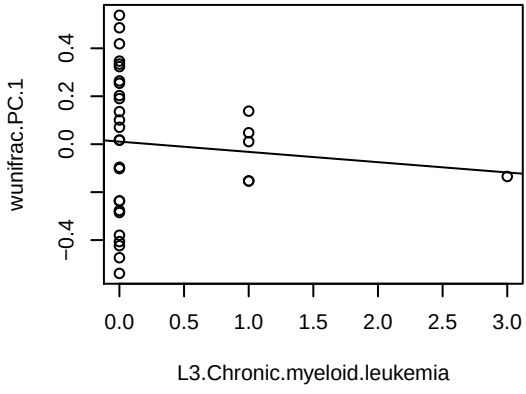
L3.Chromosome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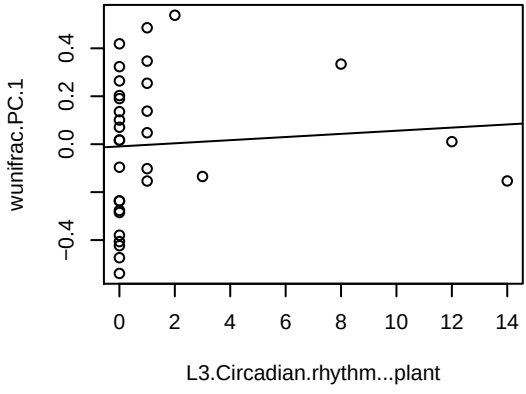
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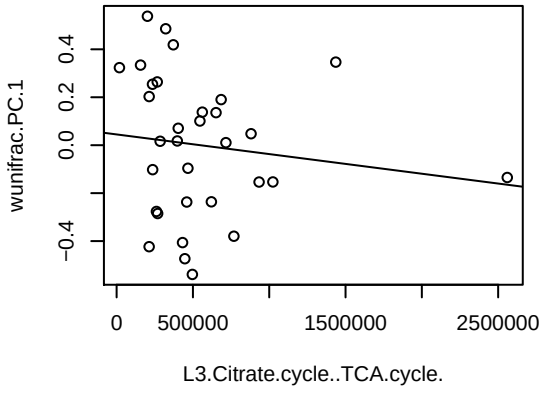
L3.Circadian.rhythm...plant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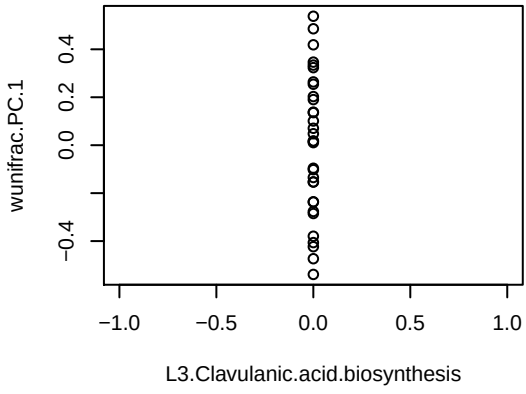
L3.Citrate.cycle..TCA.cycle.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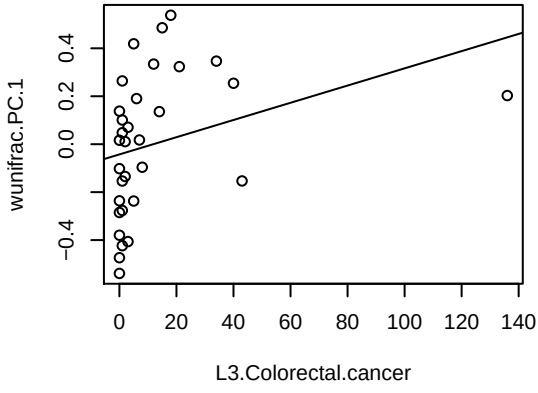
L3.Clavulanic.acid.biosynthesis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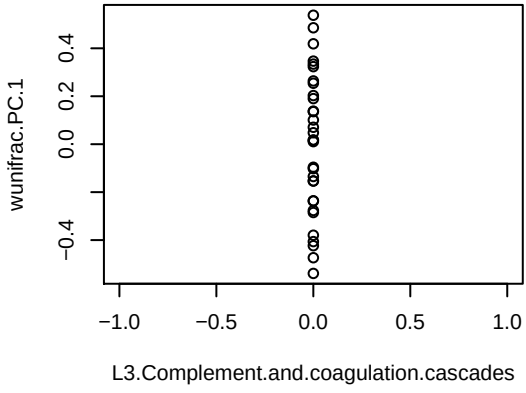
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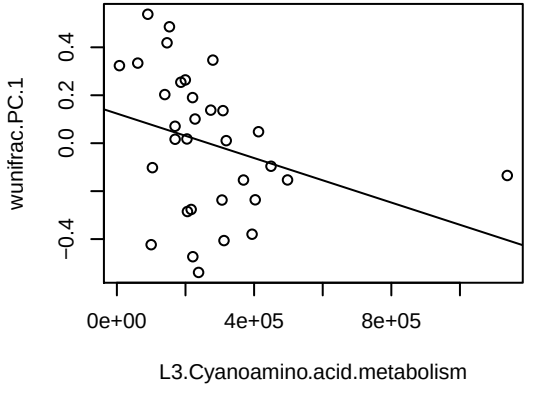
L3.Complement.and.coagulation.cascades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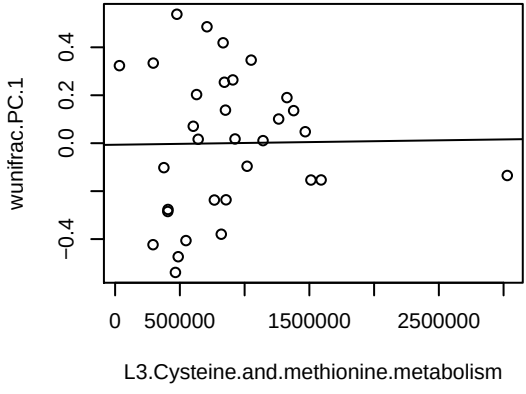
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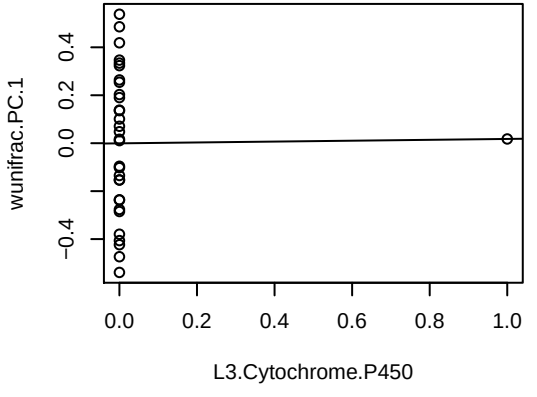
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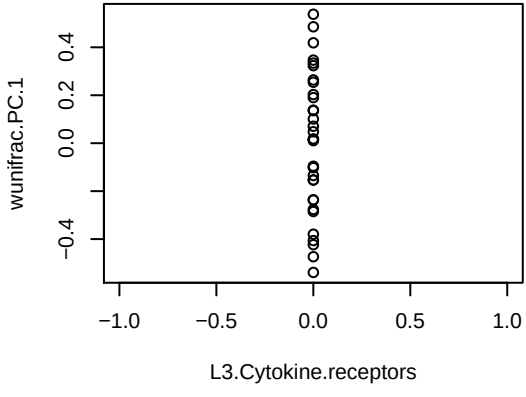
L3.Cytochrome.P450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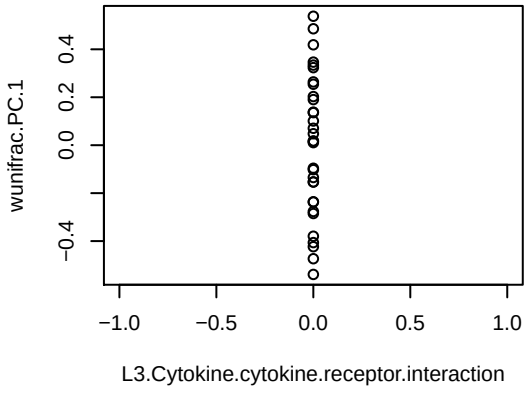
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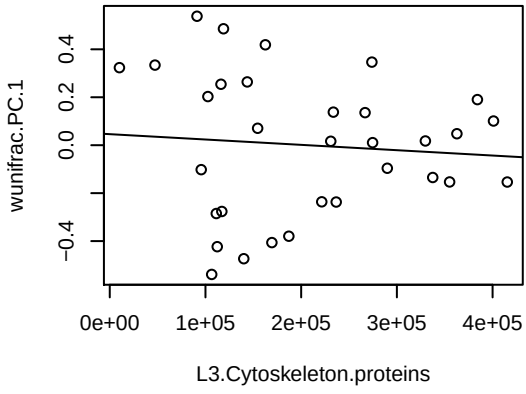
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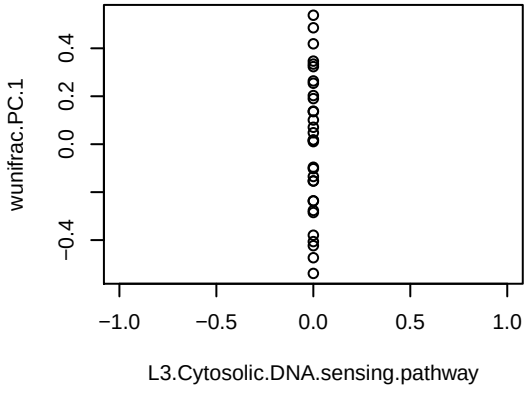
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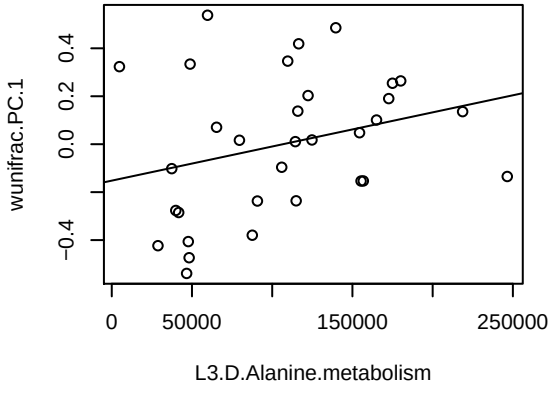
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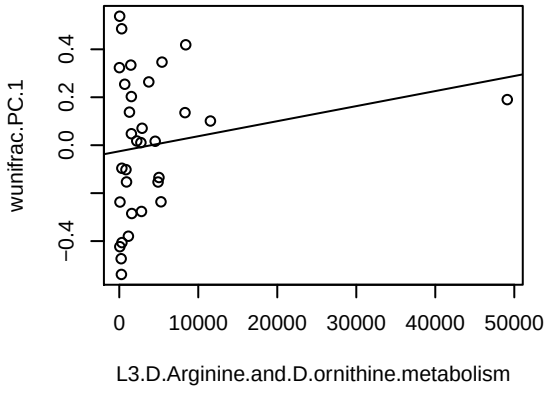
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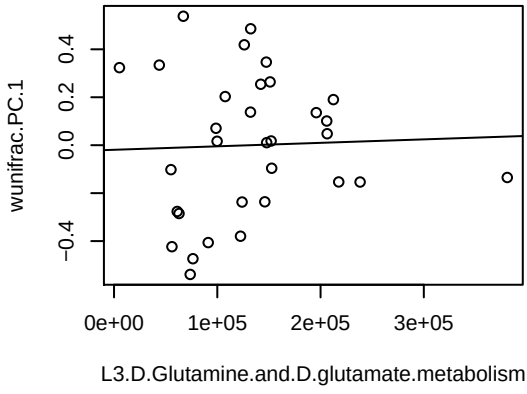
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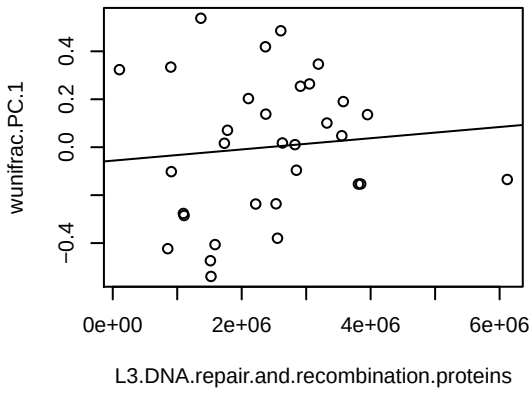
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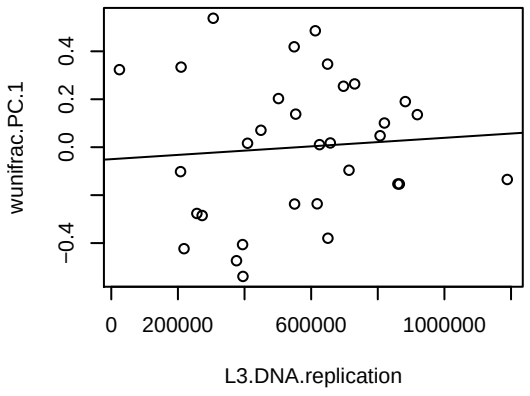
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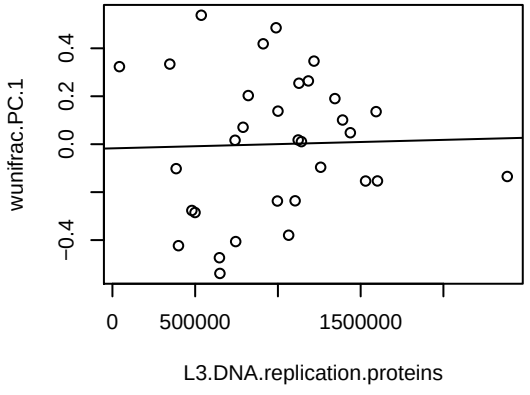
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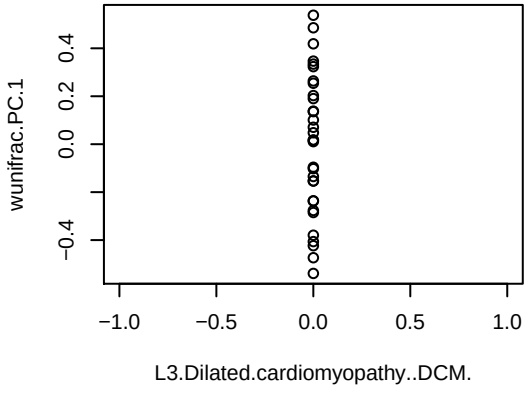
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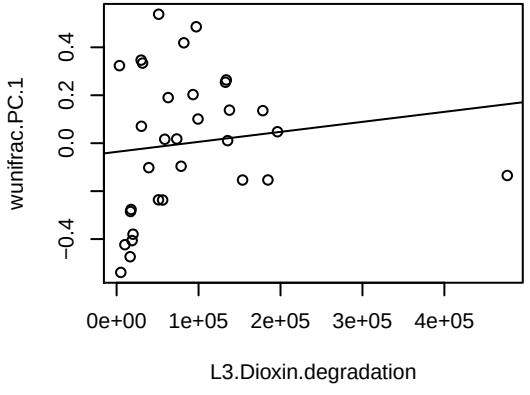
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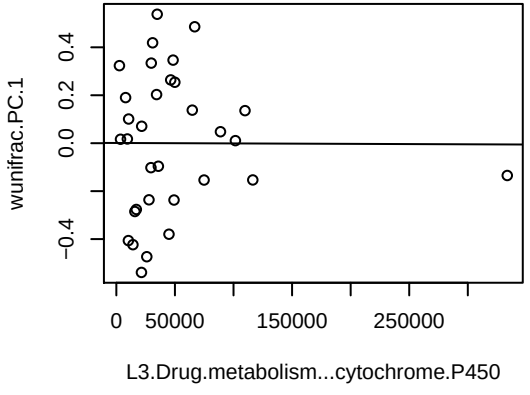
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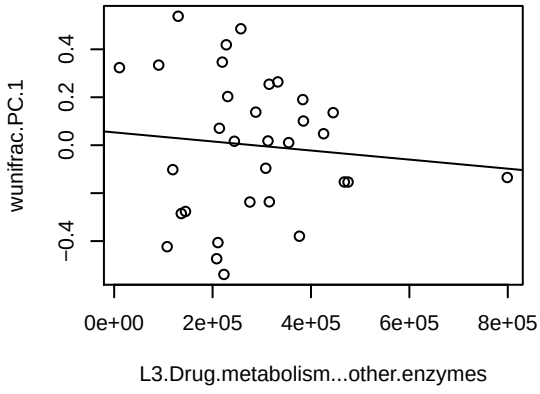
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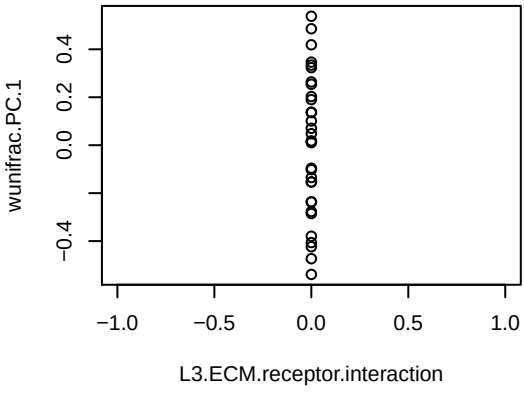
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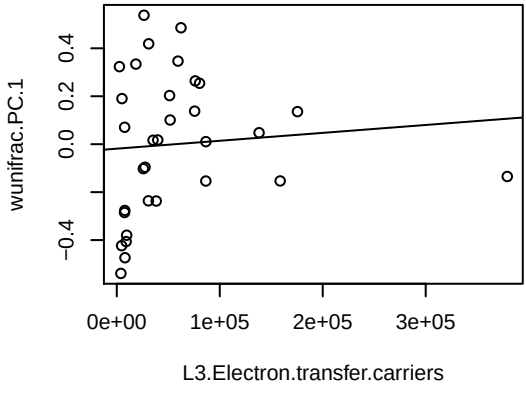
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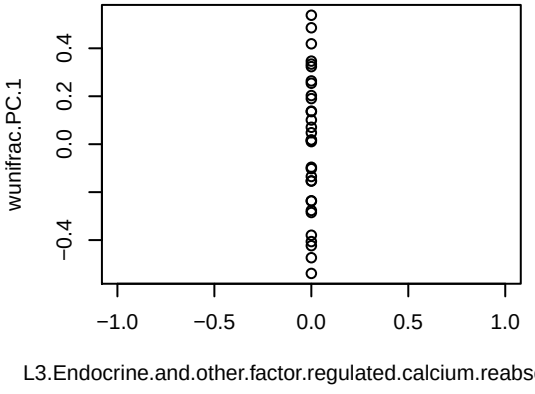
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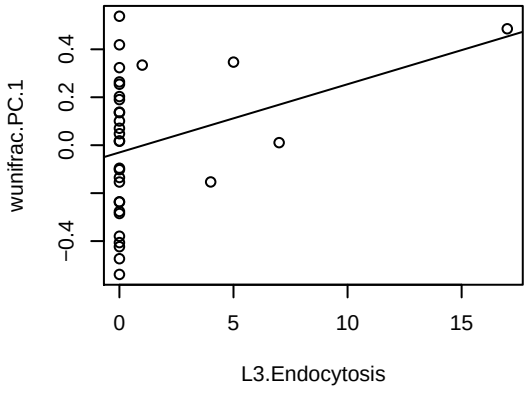
L3.Endocrine.and.other.factor.regulated.calcium.reabsorpti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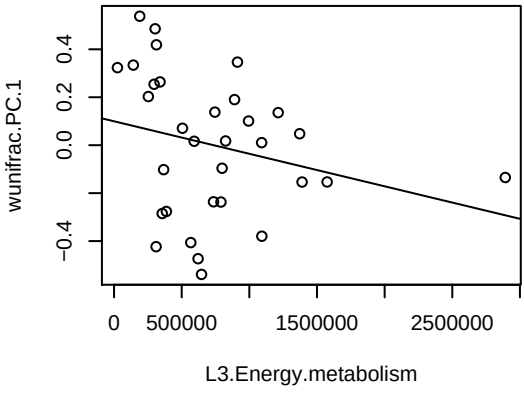
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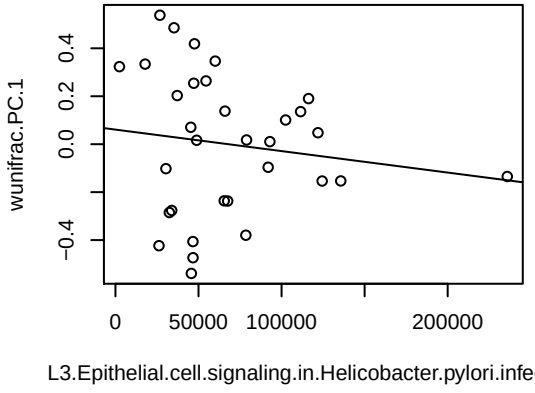
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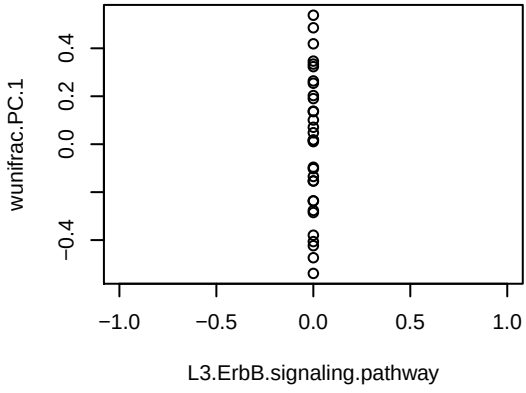
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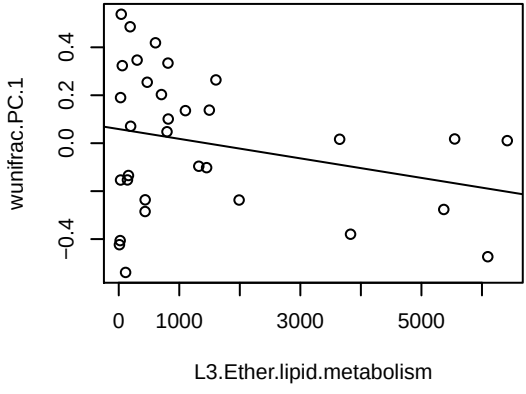
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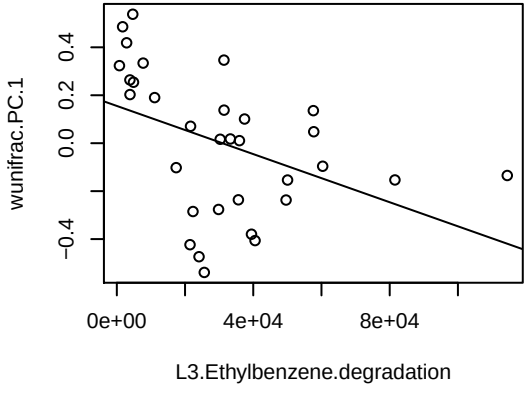
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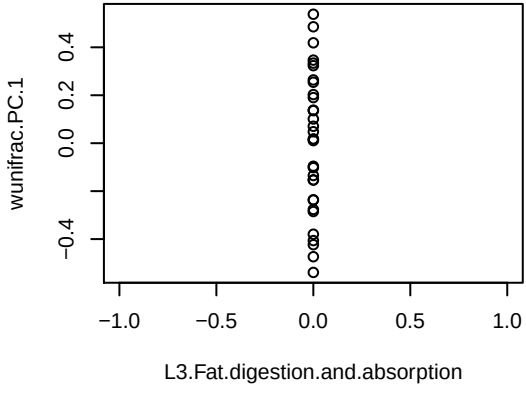
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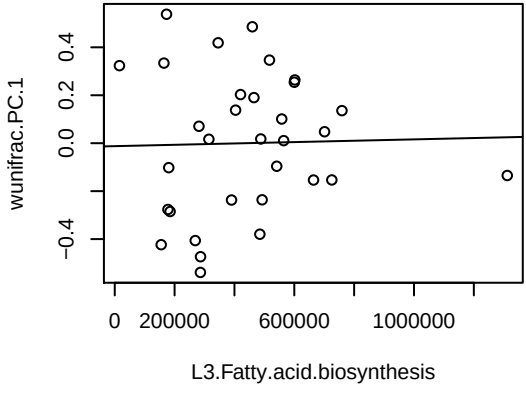
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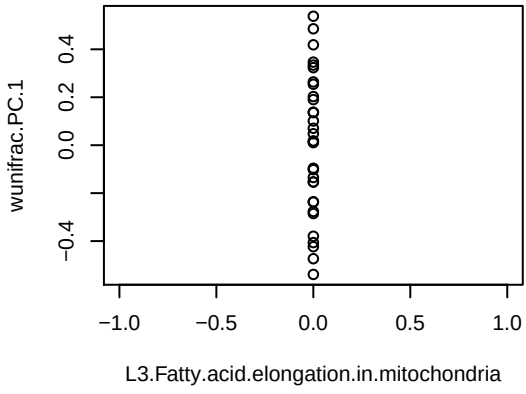
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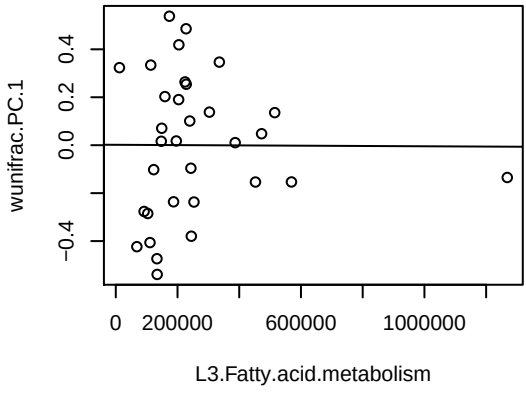
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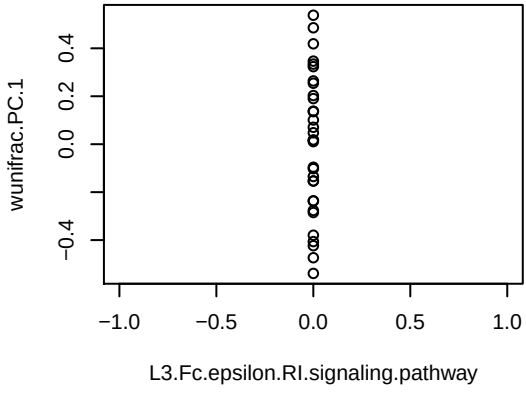
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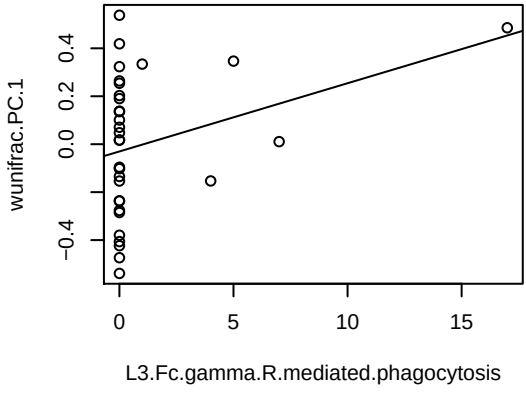
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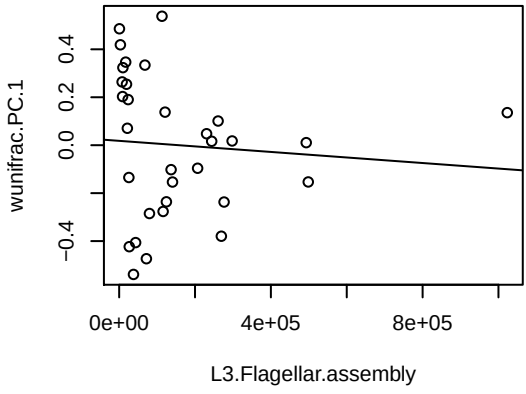
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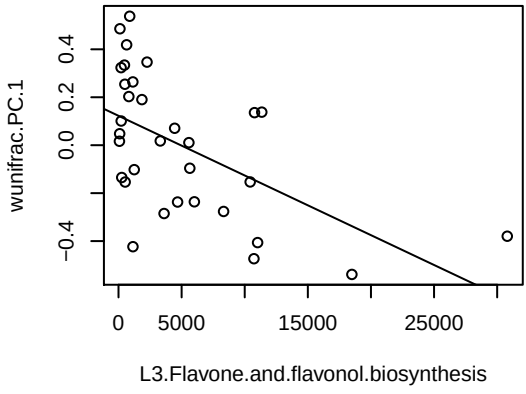
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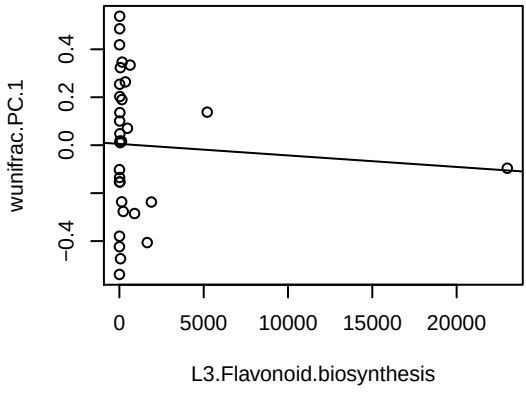
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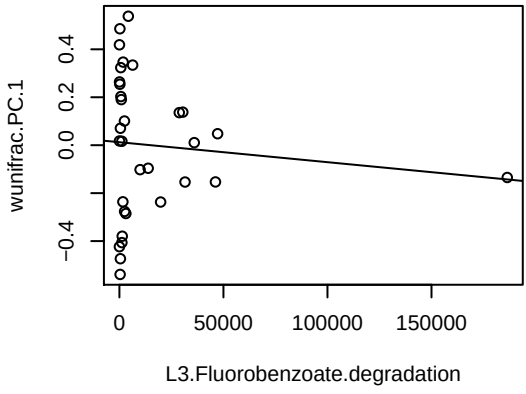
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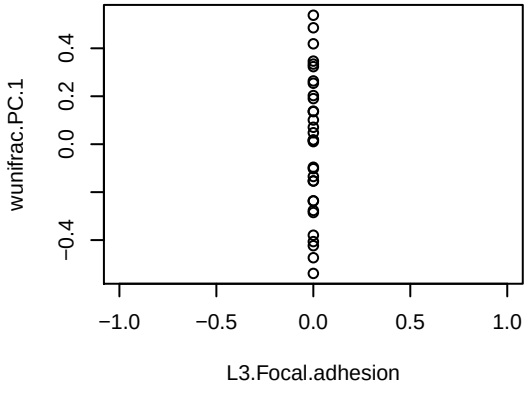
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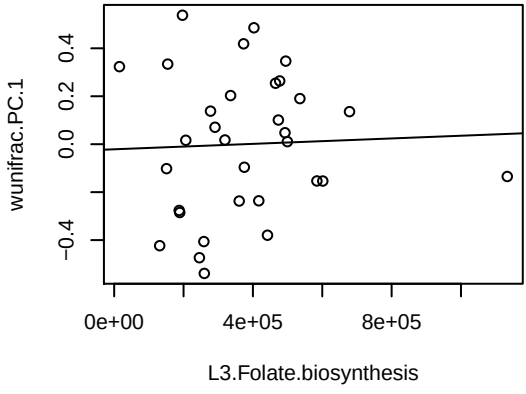
L3.Focal.adhesion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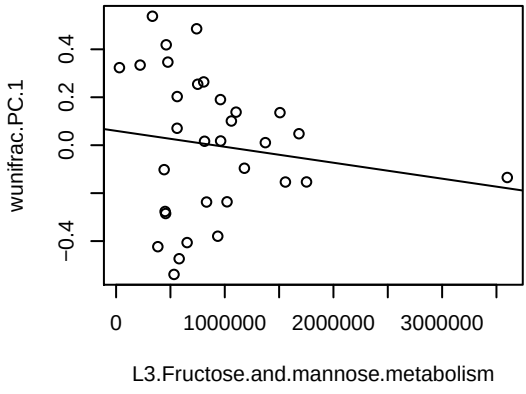
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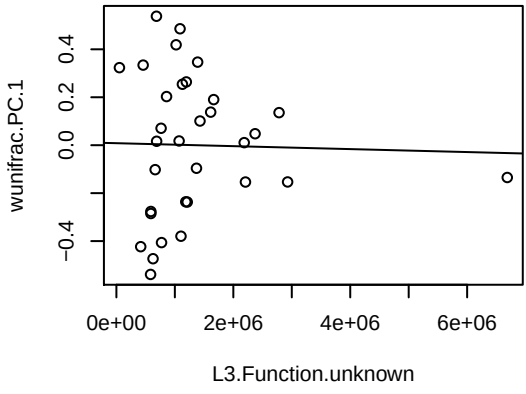
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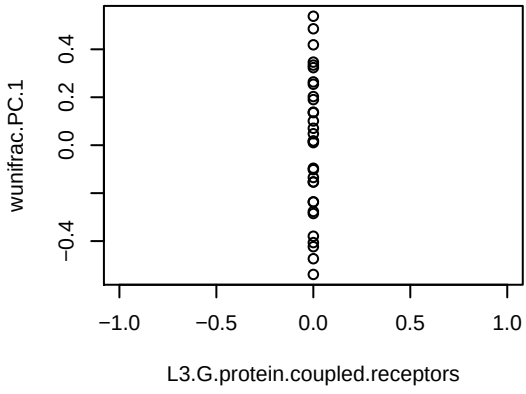
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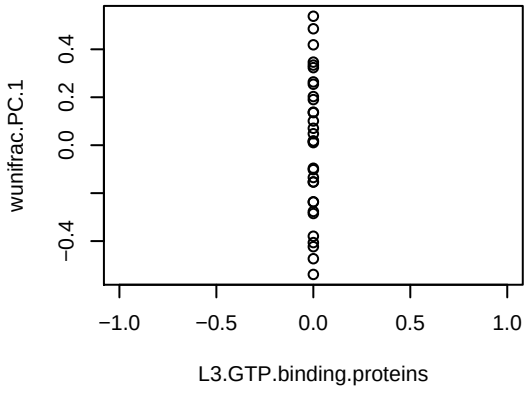
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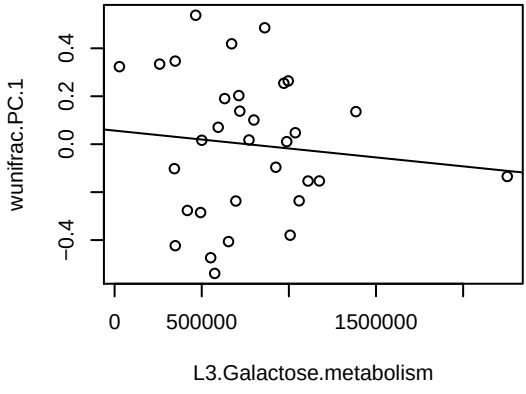
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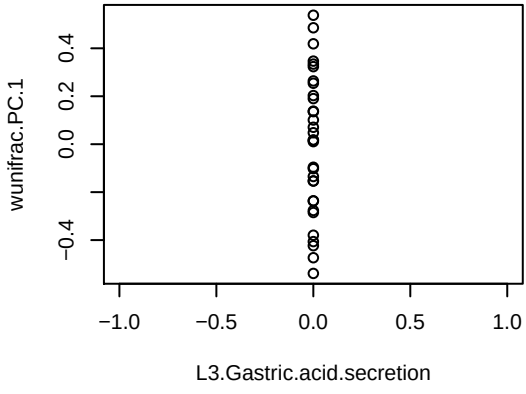
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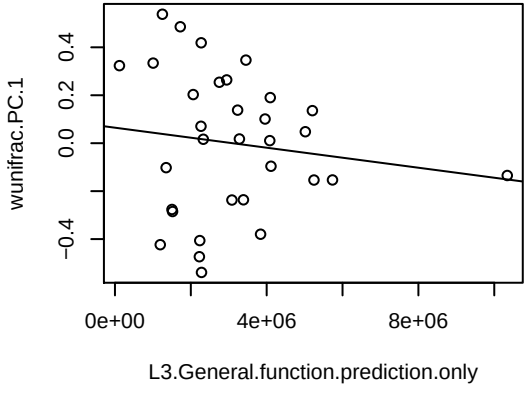
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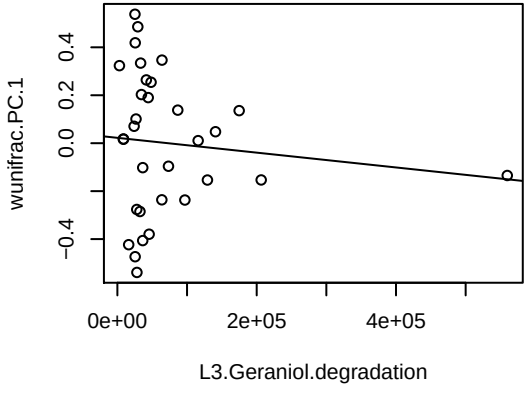
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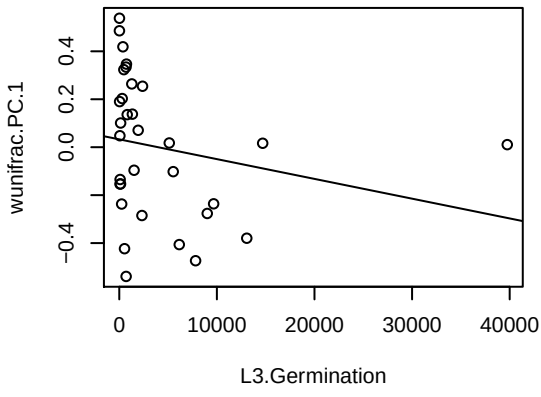
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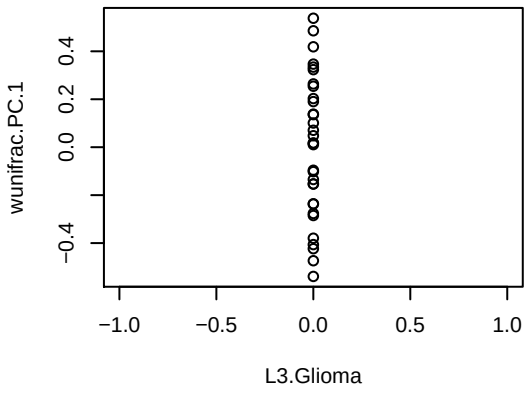
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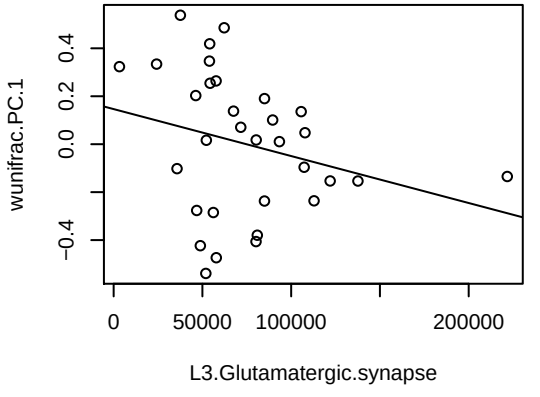
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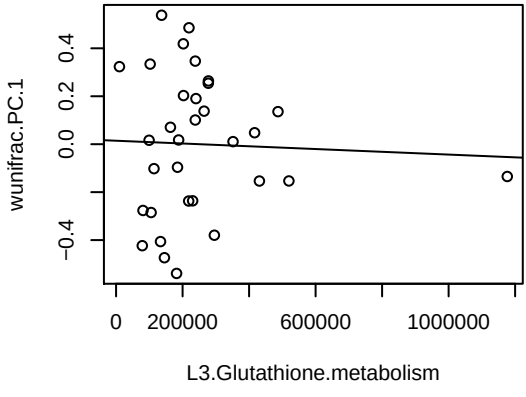
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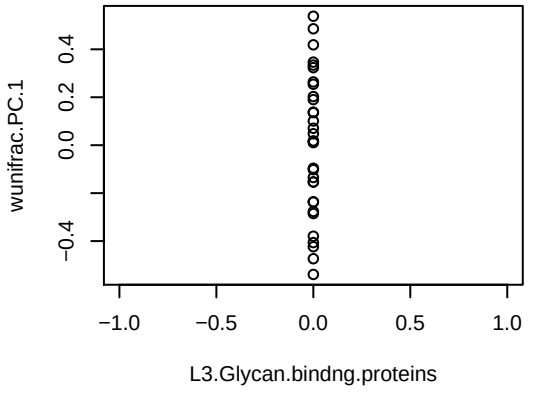
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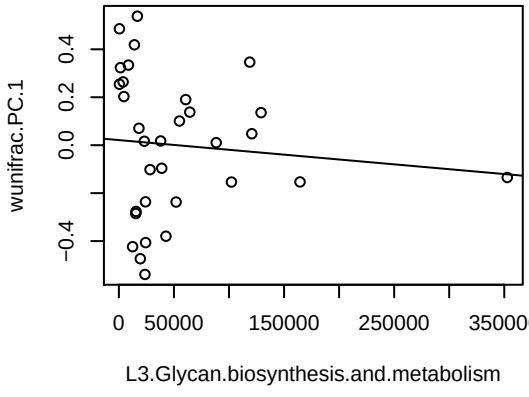
L3.Glycan.bindng.proteins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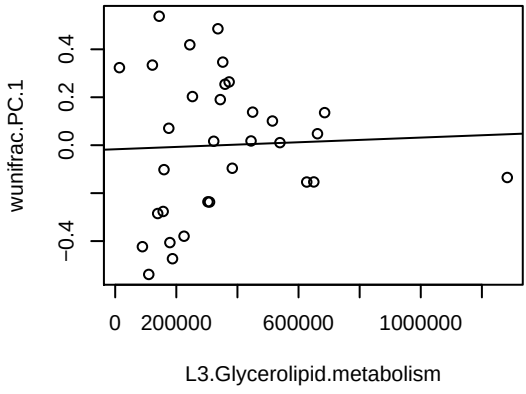
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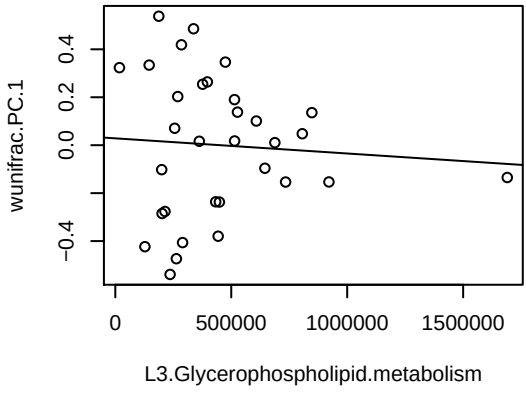
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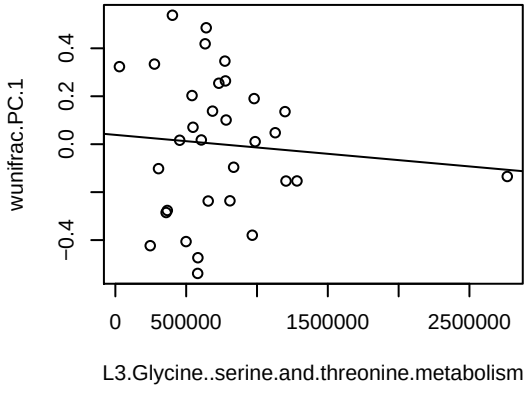
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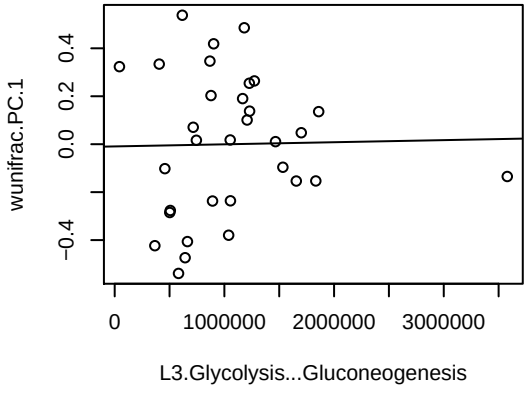
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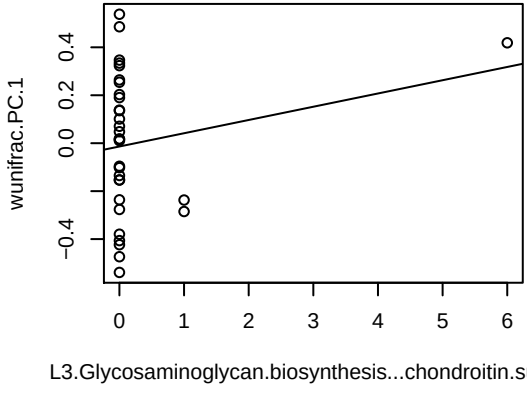
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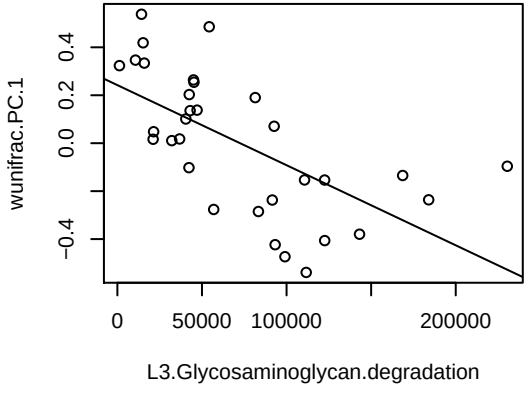
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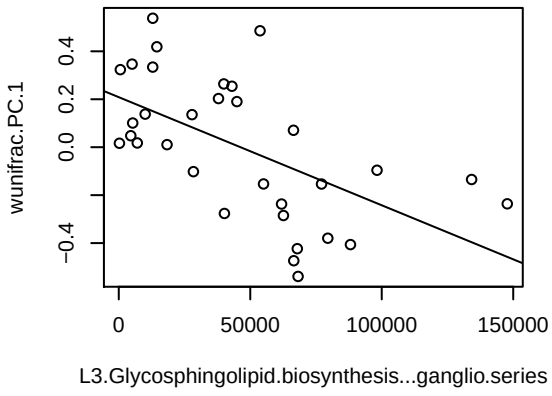
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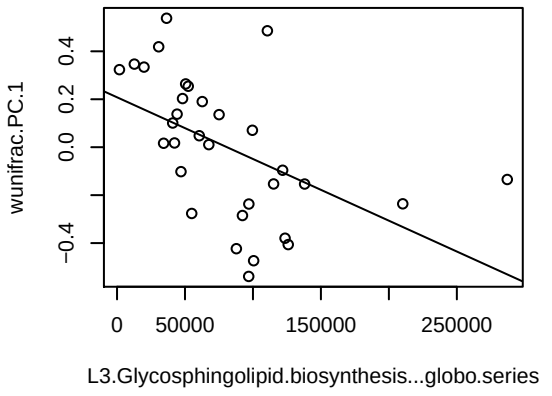
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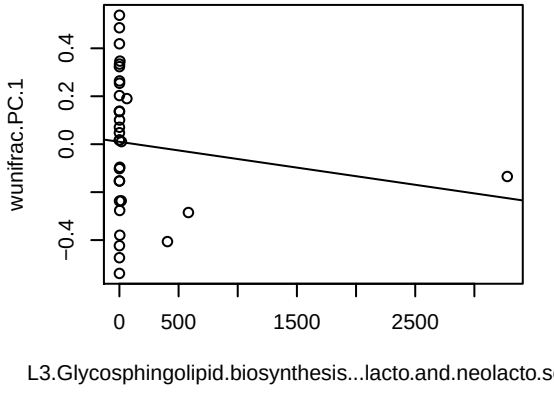
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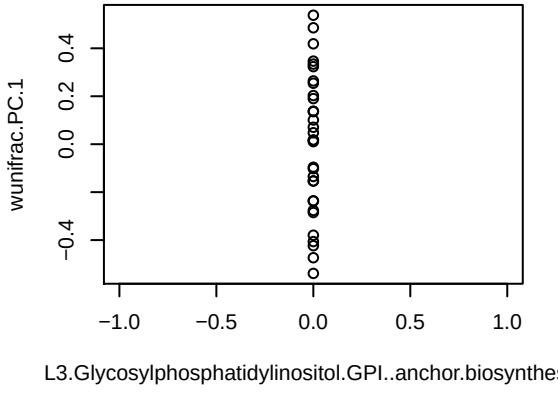
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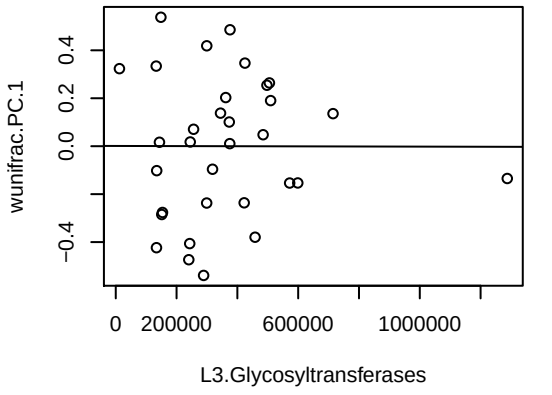
L3.Glycosylphosphatidylinositol.GPI..anchor.biosynthesis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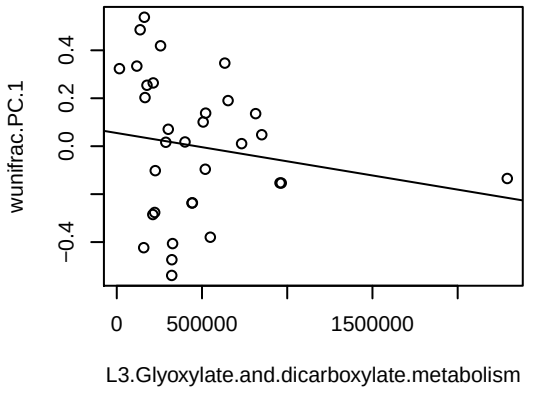
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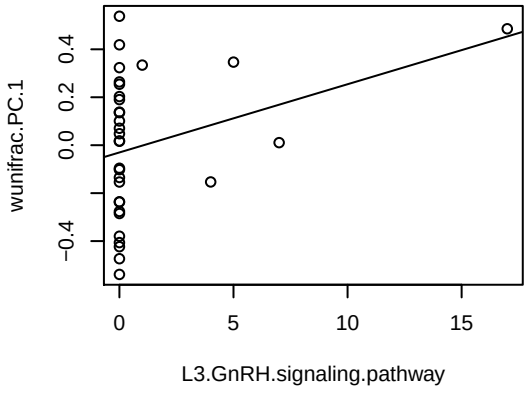
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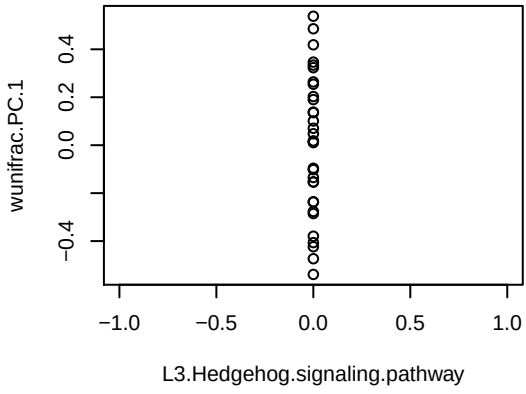
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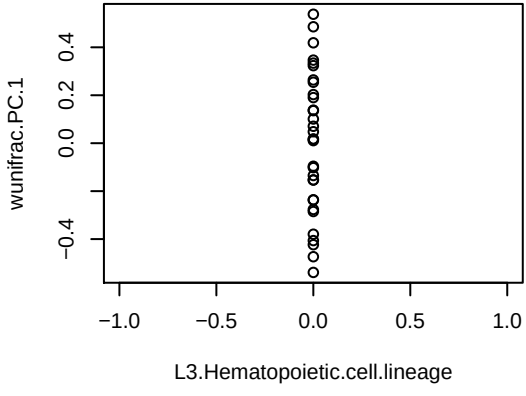
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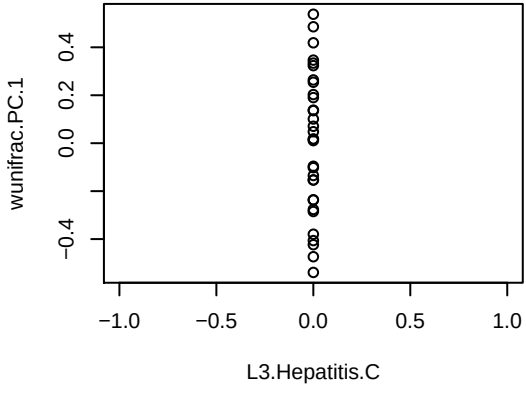
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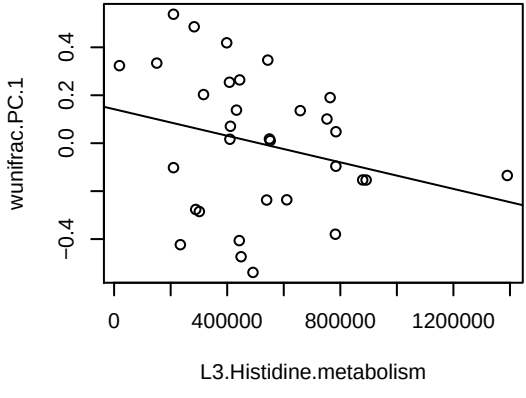
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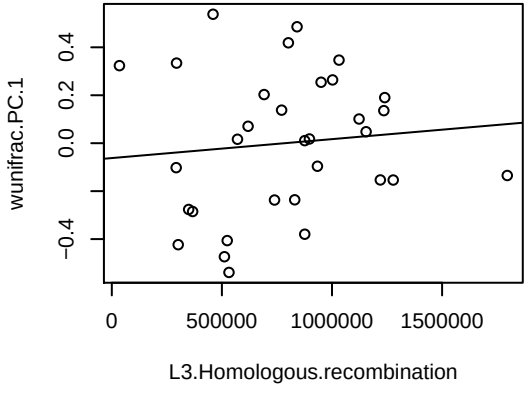
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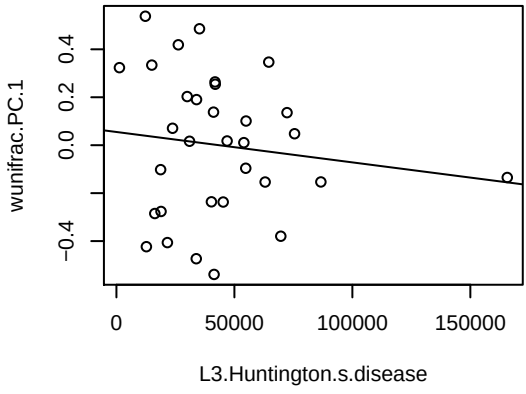
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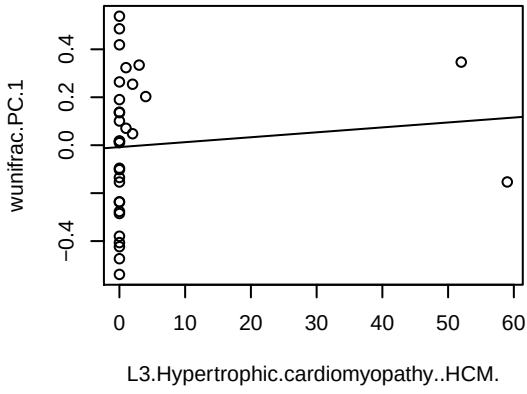
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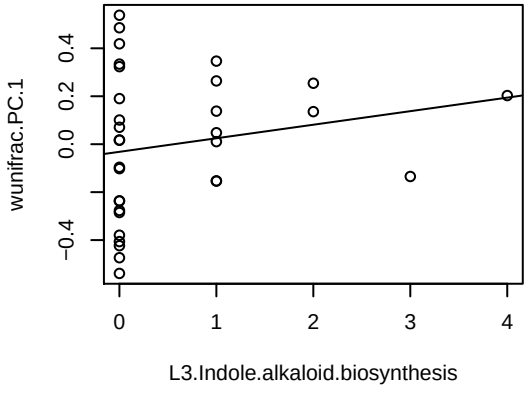
L3.Hypertrophic.cardiomyopathy..HCM.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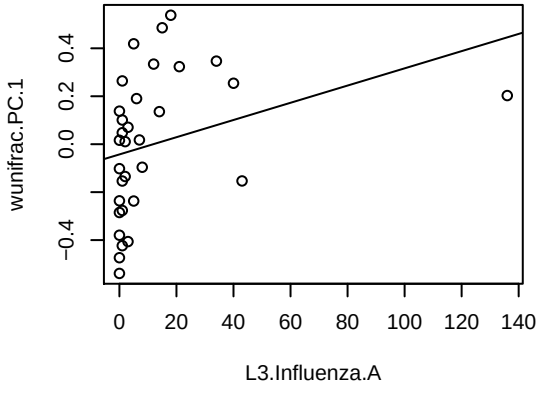
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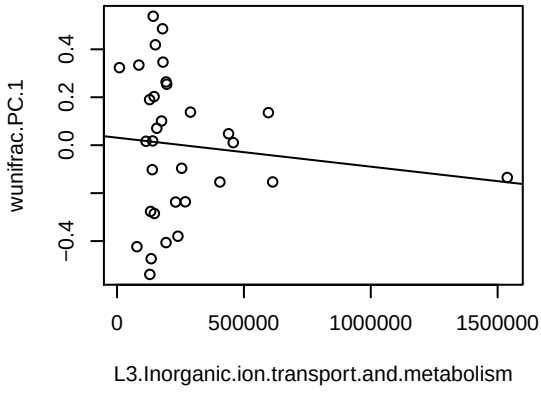
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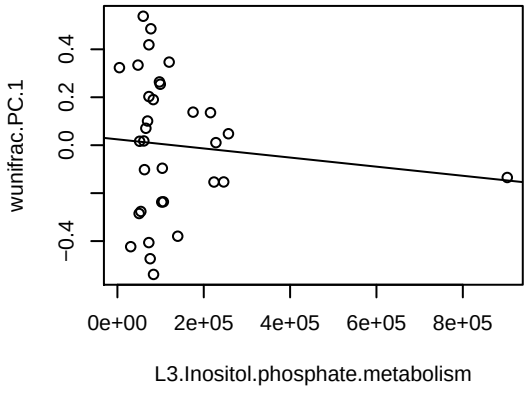
L3.Inorganic.ion.transport.and.metabolism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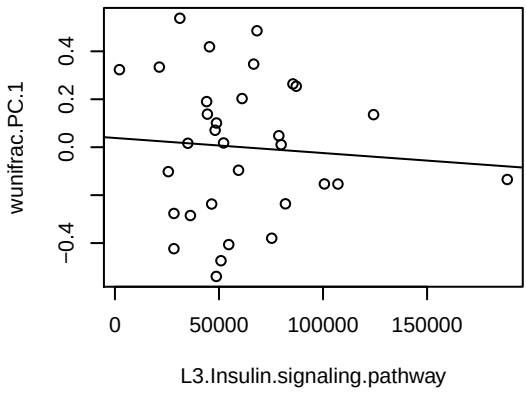
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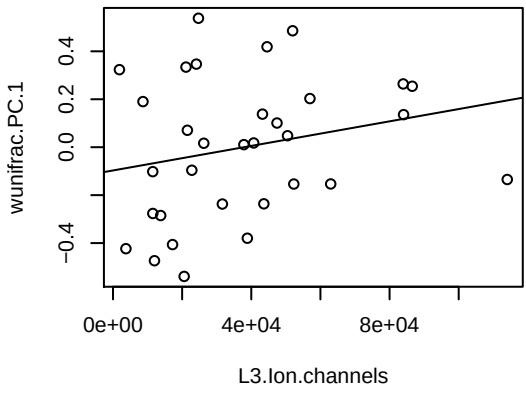
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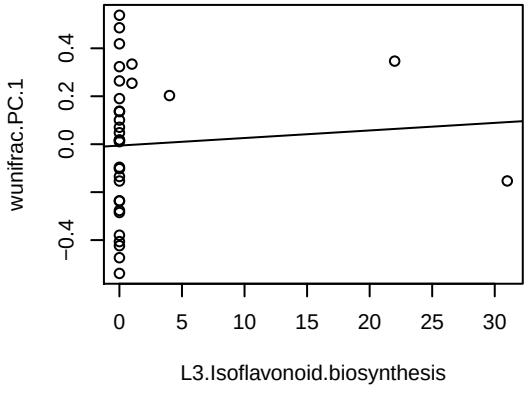
L3.Ion.channels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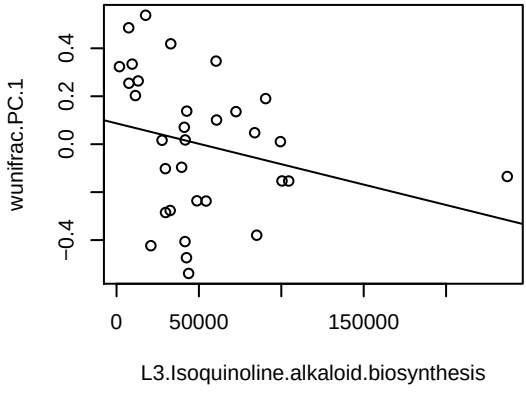
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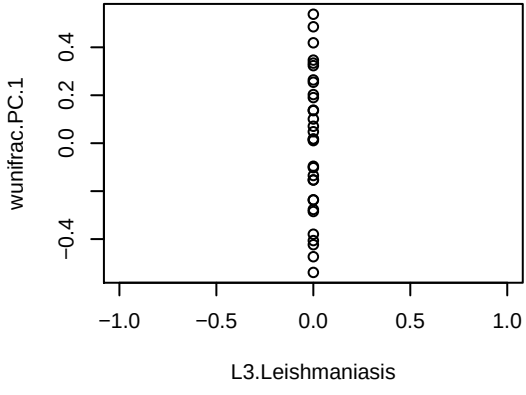
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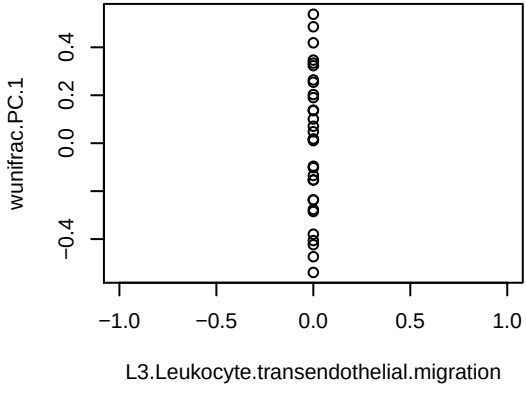
L3.Leishmaniasis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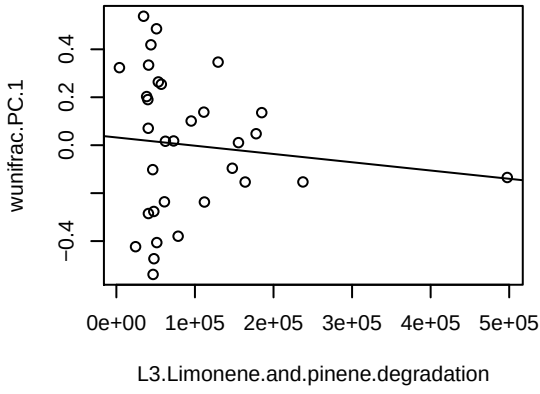
L3.Leukocyte.transendothelial.migration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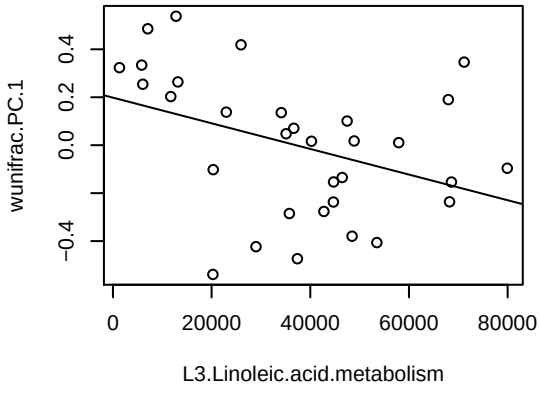
L3.Limonene.and.pinene.degradation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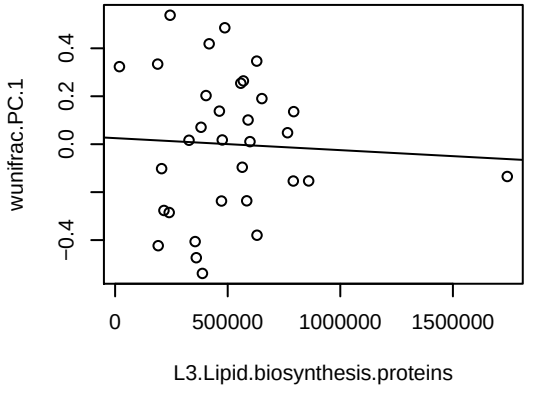
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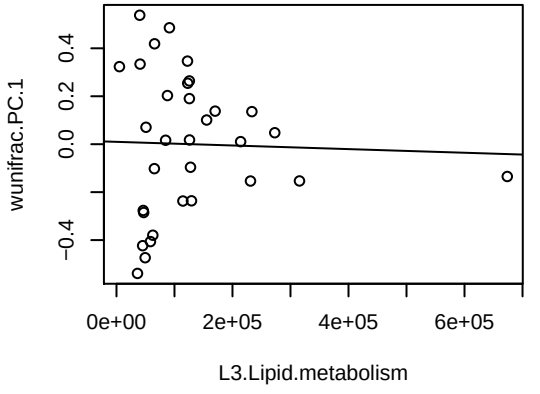
L3.Lipid.biosynthesis.proteins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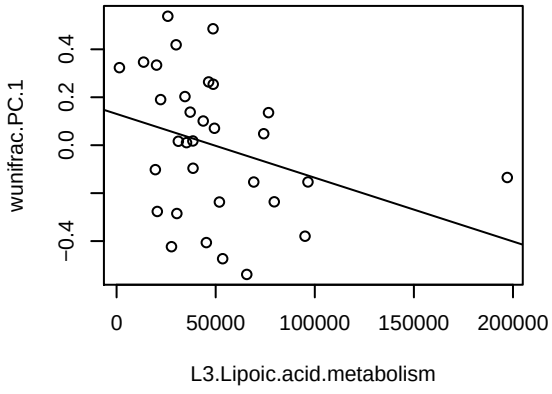
L3.Lipid.metabolism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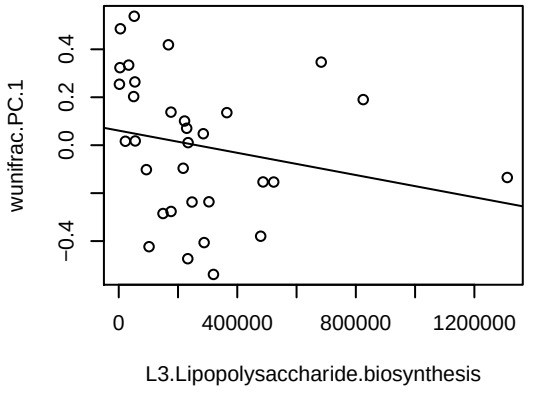
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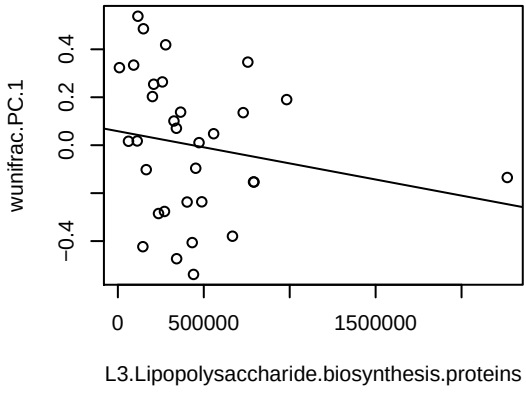
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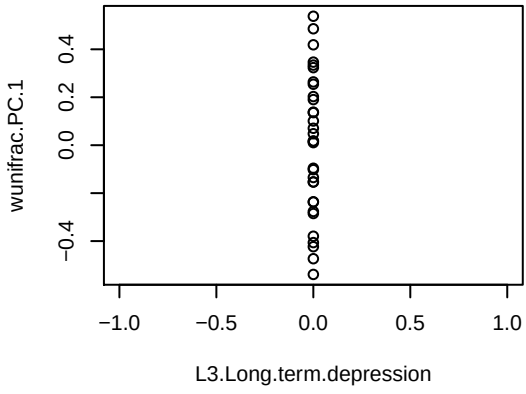
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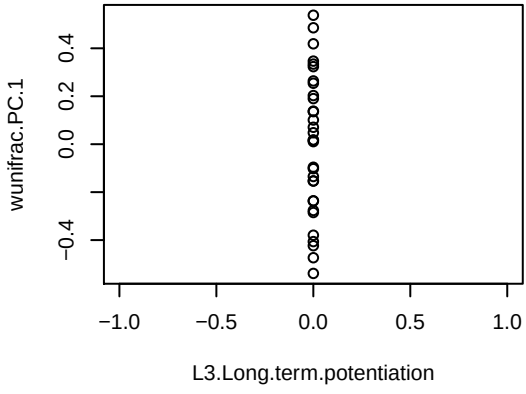
L3.Long.term.depression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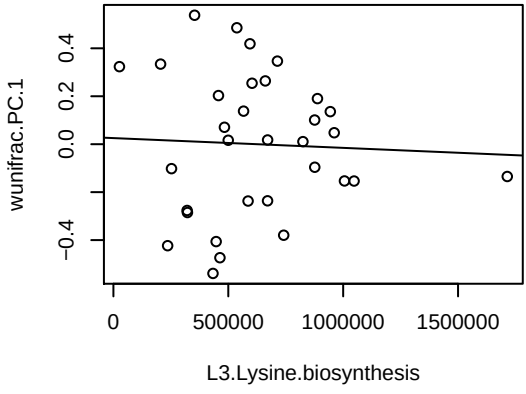
L3.Long.term.potentiation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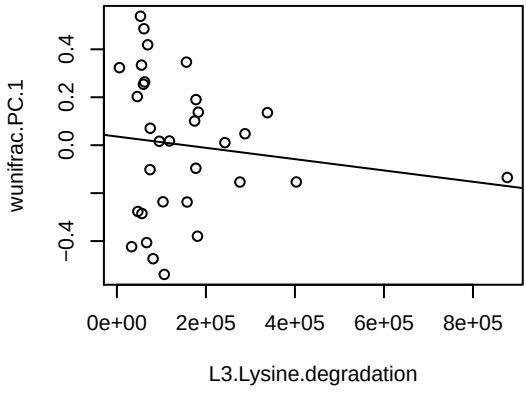
L3.Lysine.biosynthesis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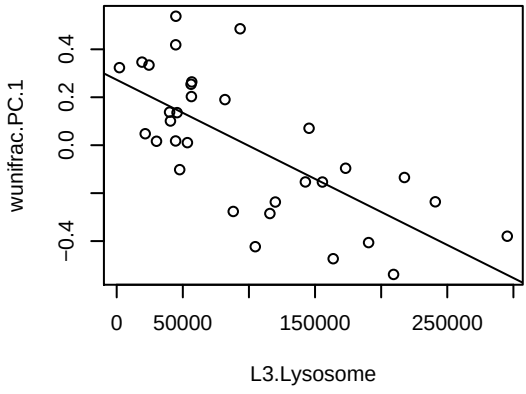
L3.Lysine.degradation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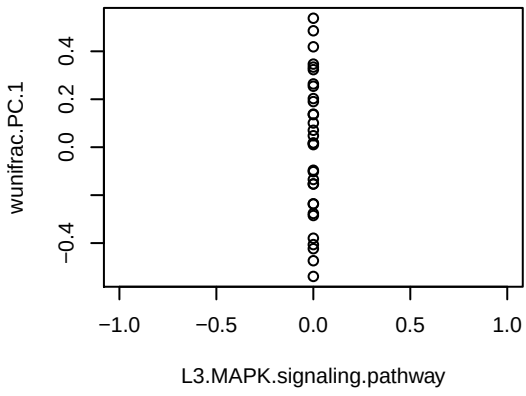
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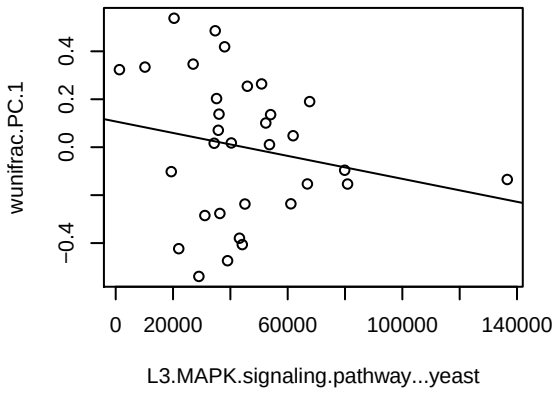
L3.MAPK.signaling.pathway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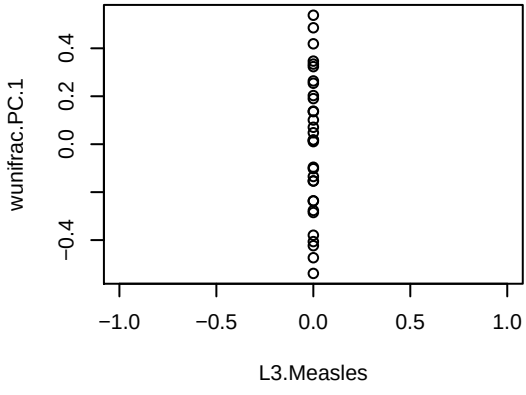
L3.MAPK.signaling.pathway...yeast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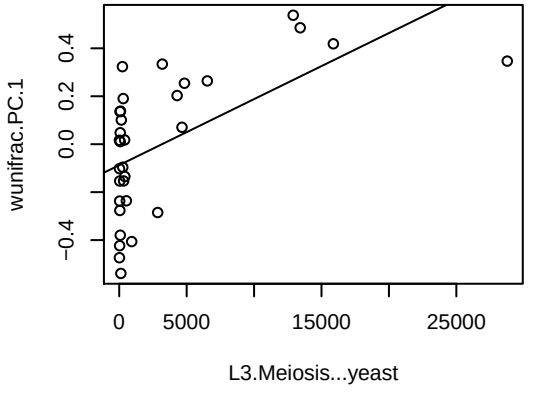
L3.Measles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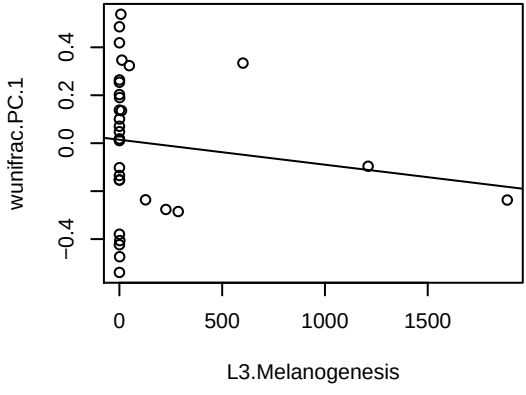
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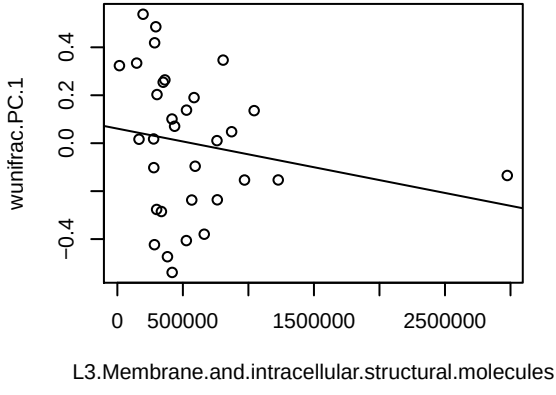
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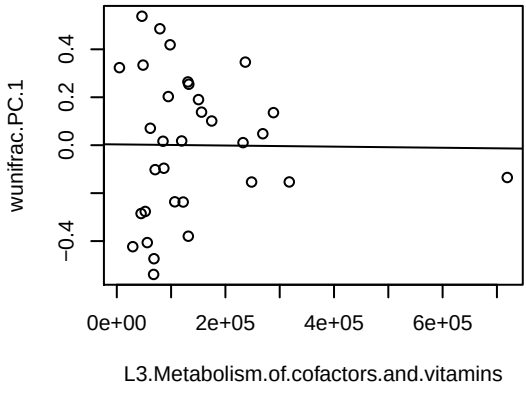
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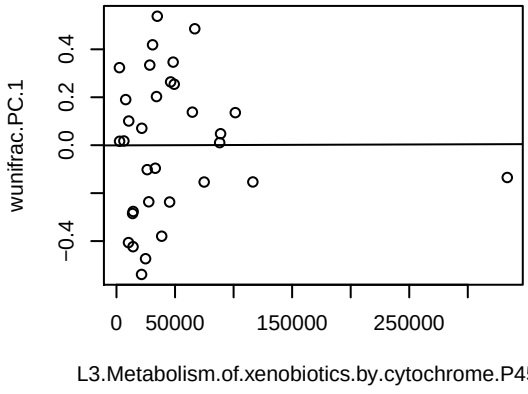
L3.Metabolism.of.cofactors.and.vitamins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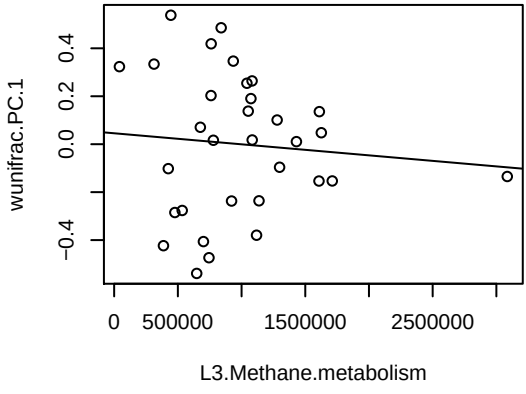
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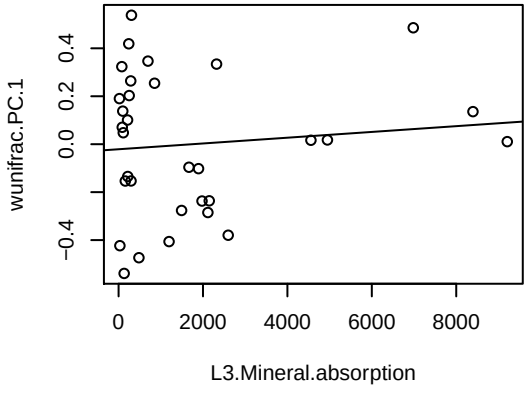
L3.Methane.metabolism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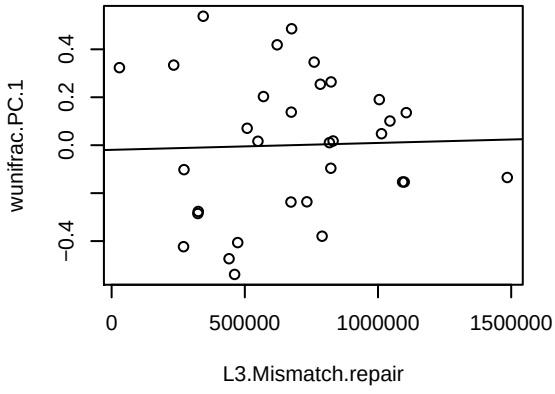
L3.Mineral.absorption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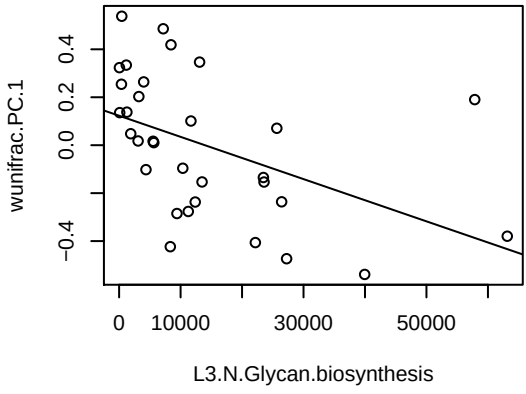
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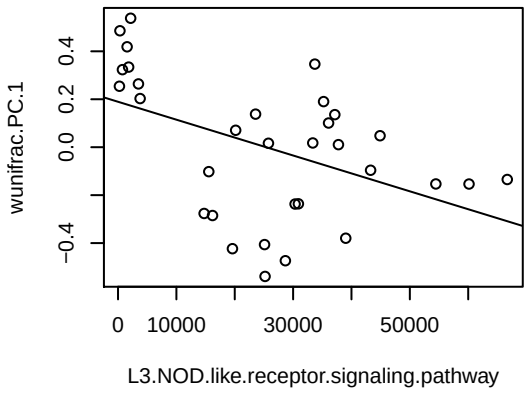
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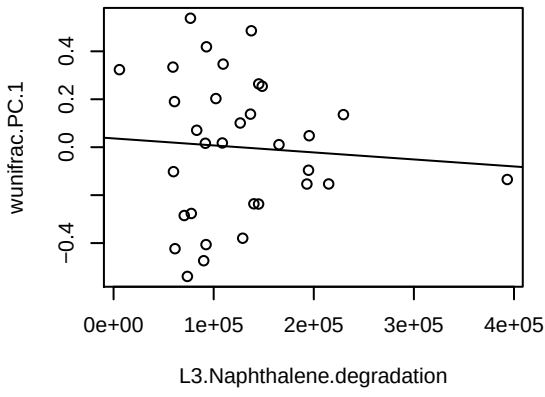
L3.NOD.like.receptor.signaling.pathway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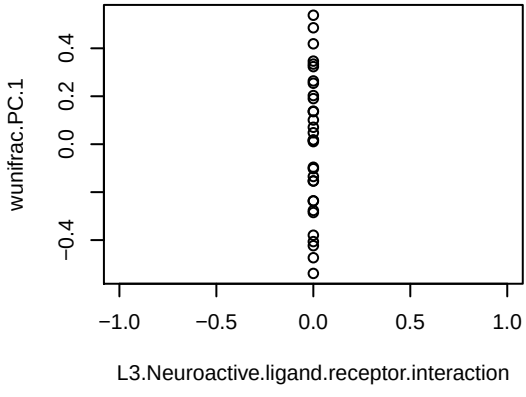
L3.Naphthalene.degradation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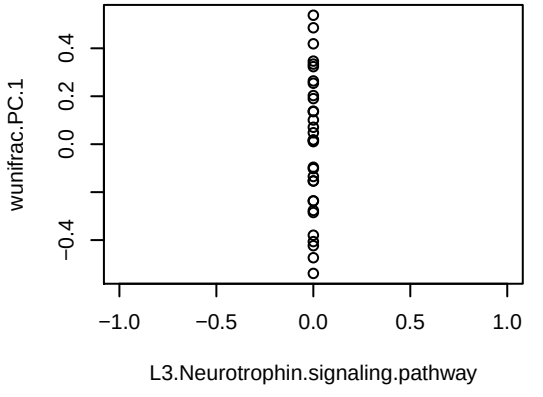
L3.Neuroactive.ligand.receptor.interaction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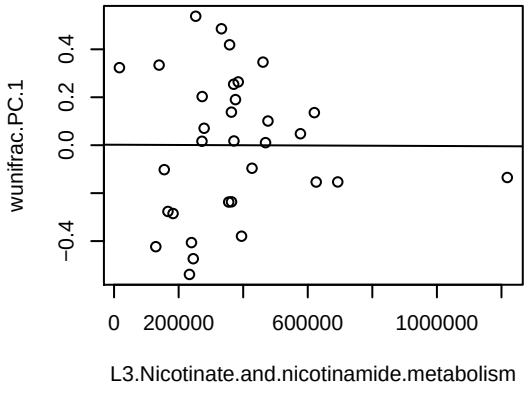
L3.Neurotrophin.signaling.pathway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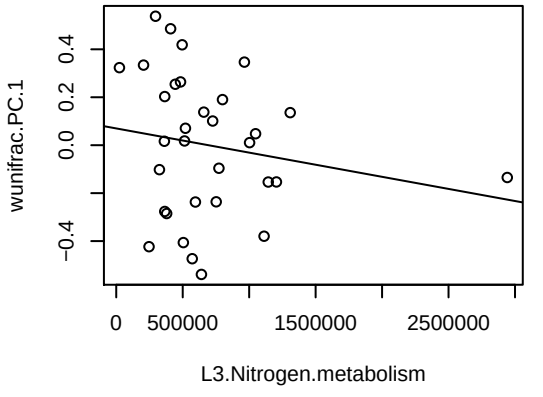
L3.Nicotinate.and.nicotinamide.metabolism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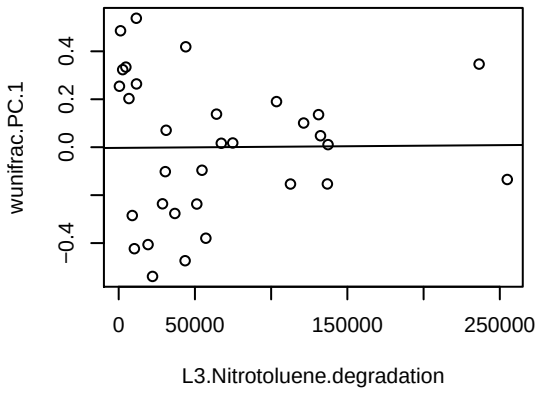
L3.Nitrogen.metabolism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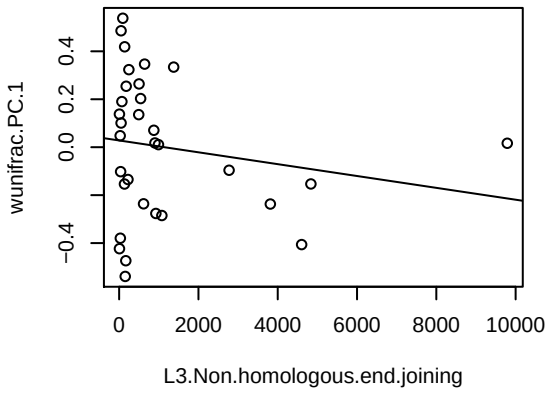
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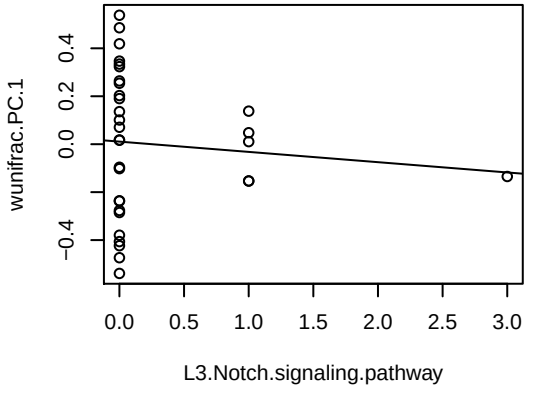
L3.Non.homologous.end.joining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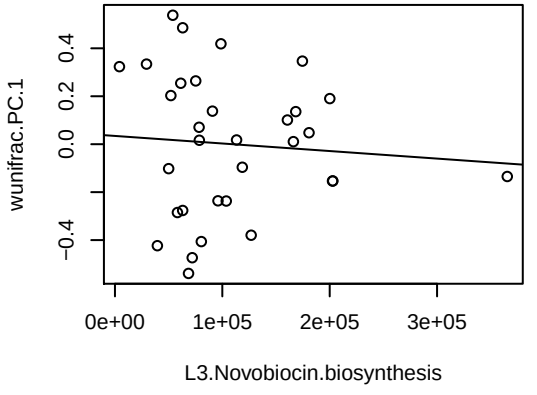
L3.Notch.signaling.pathway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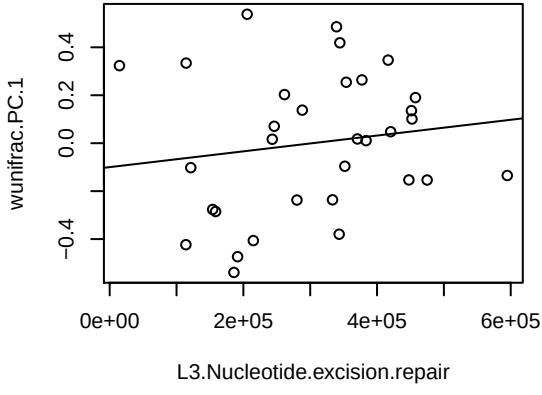
L3.Novobiocin.biosynthesis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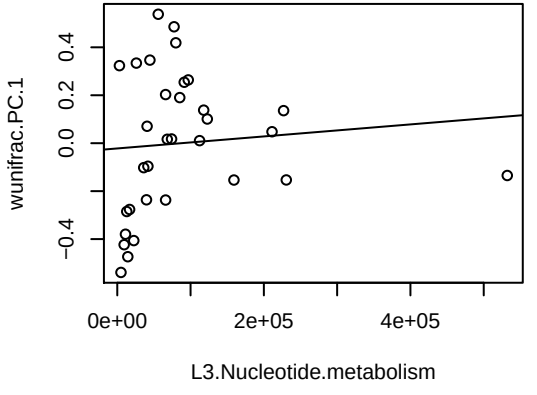
L3.Nucleotide.excision.repair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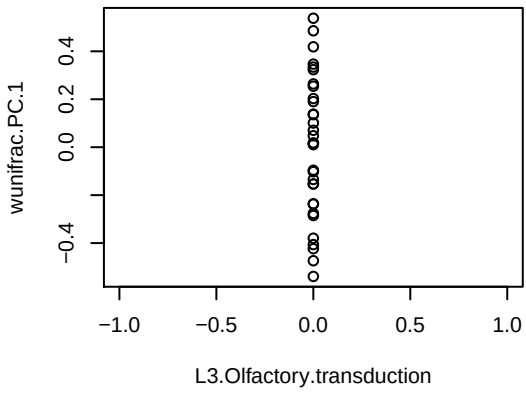
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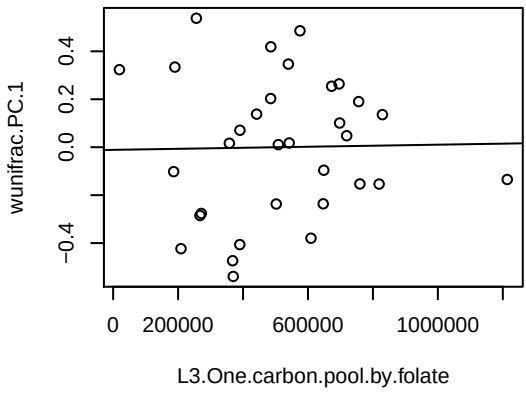
L3.Olfactory.transduction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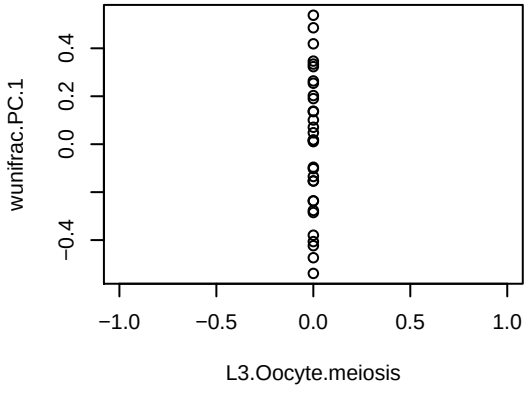
L3.One.carbon.pool.by.folate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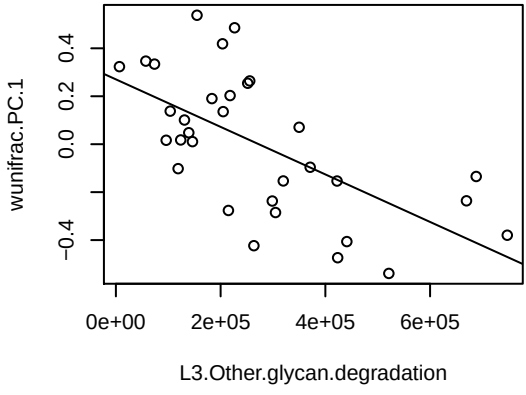
L3.Oocyte.meiosis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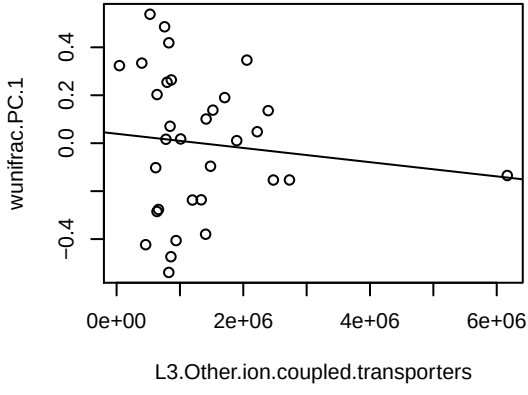
L3.Other.glycan.degradation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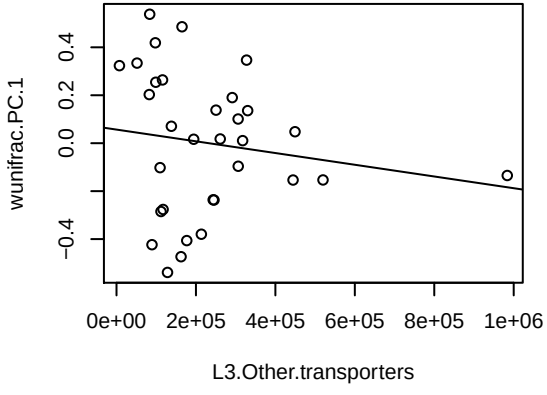
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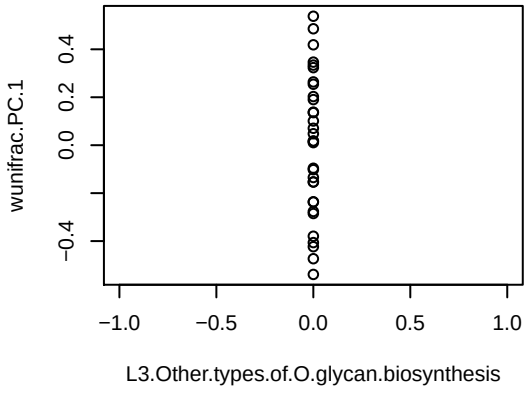
L3.Other.transporters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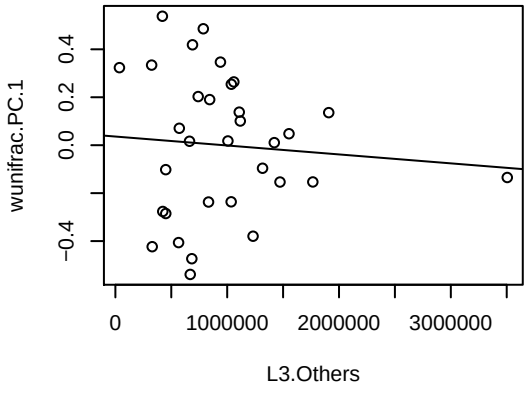
L3.Other.types.of.O.glycan.biosynthesis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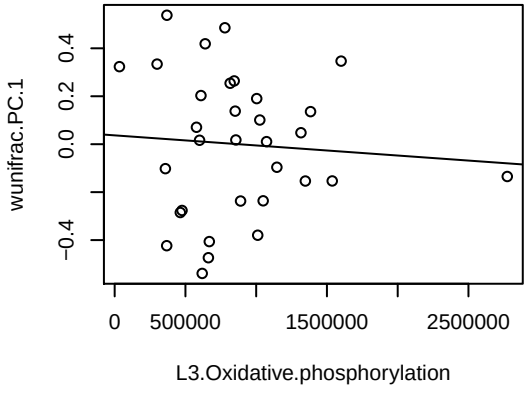
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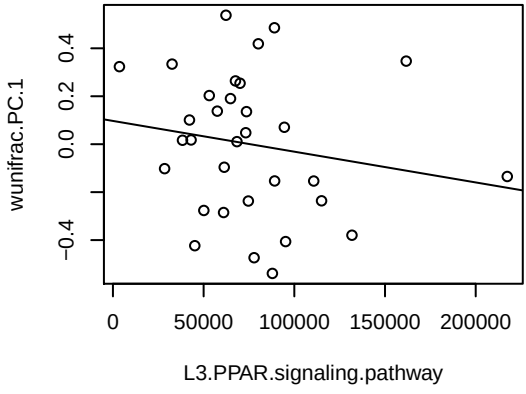
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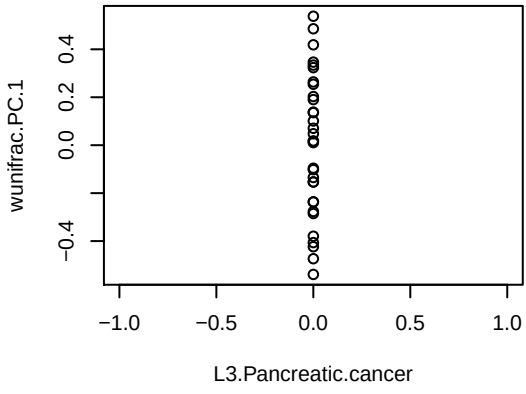
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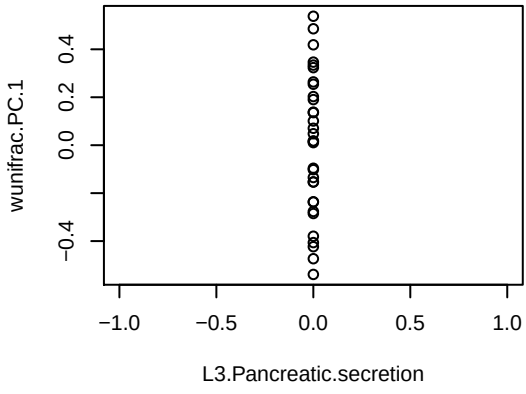
L3.Pancreatic.cancer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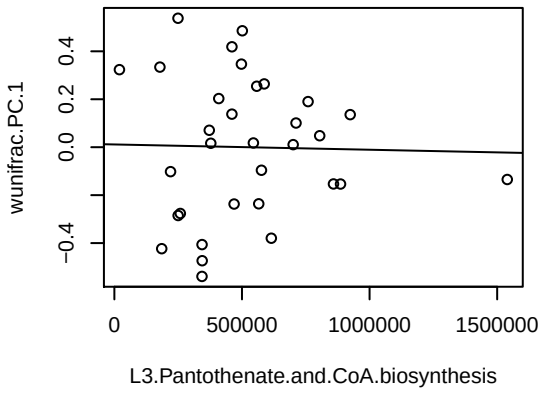
L3.Pancreatic.secretion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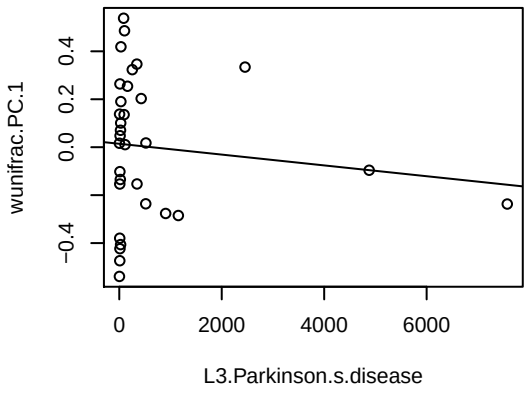
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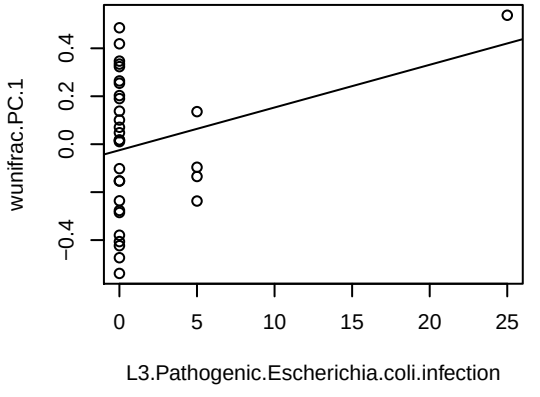
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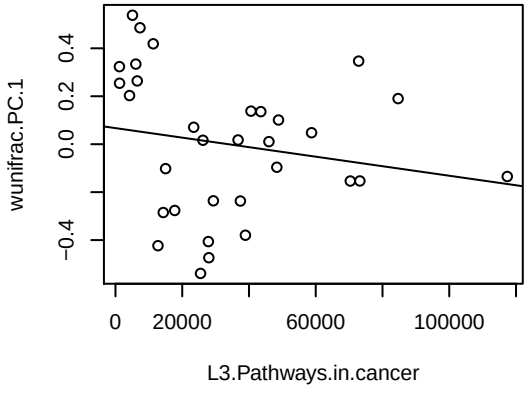
L3.Pathogenic.Escherichia.coli.infection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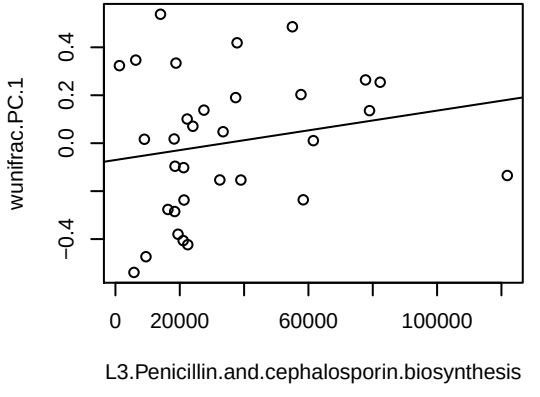
L3.Pathways.in.cancer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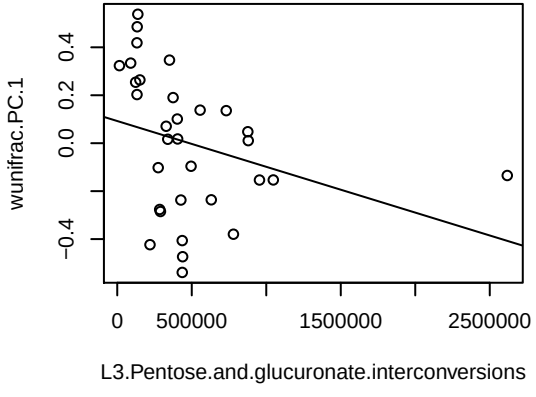
L3.Penicillin.and.cephalosporin.biosynthesis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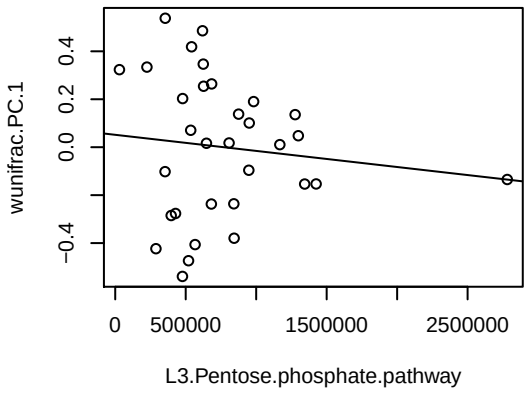
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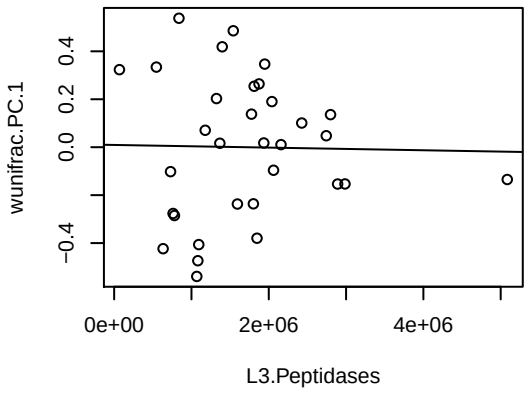
L3.Pentose.phosphate.pathway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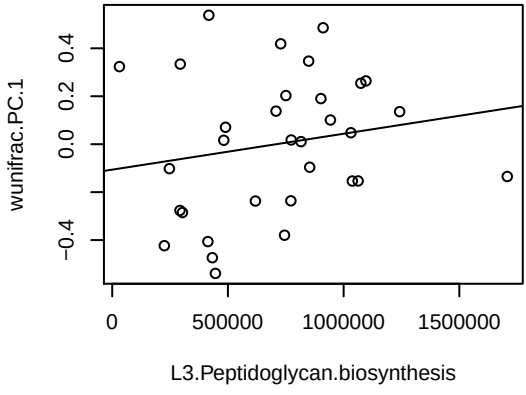
L3.Peptidases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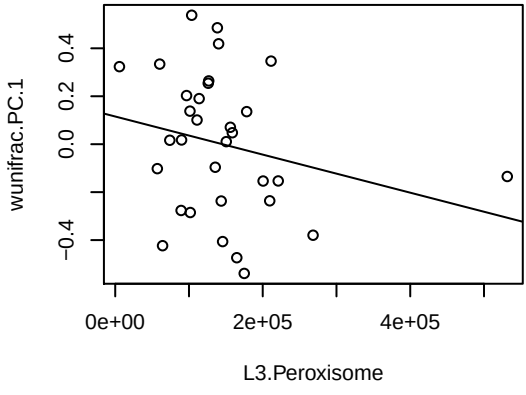
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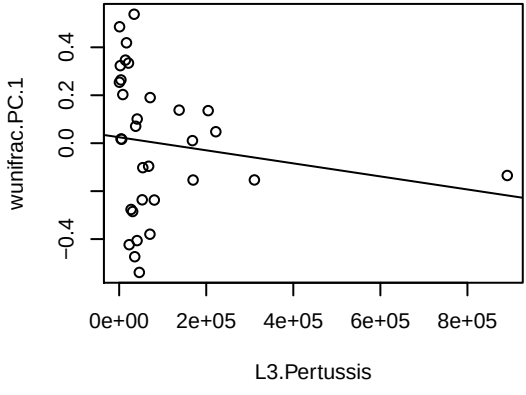
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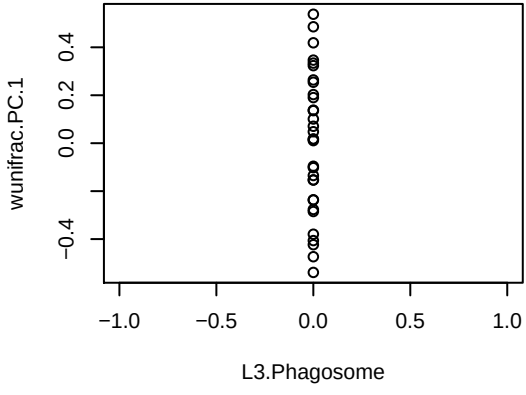
L3.Pertussis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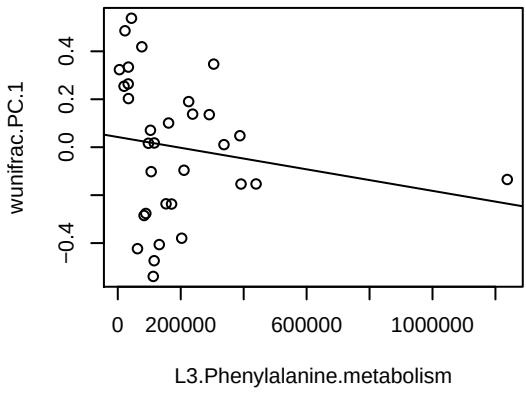
L3.Phagosome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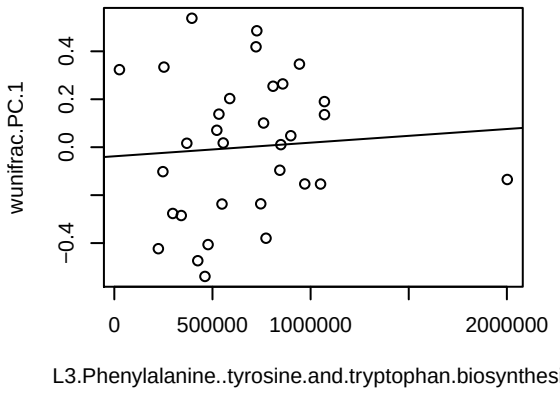
L3.Phenylalanine.metabolism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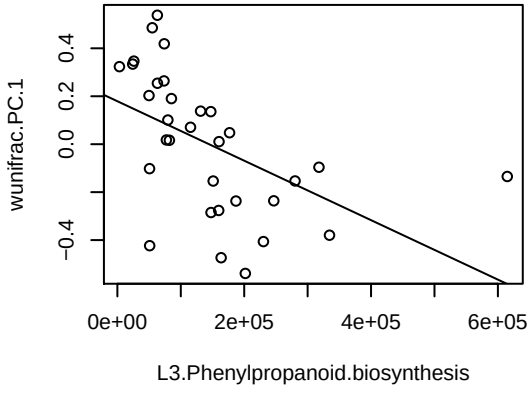
L3.Phenylalanine..tyrosine.and.tryptophan.biosynthesis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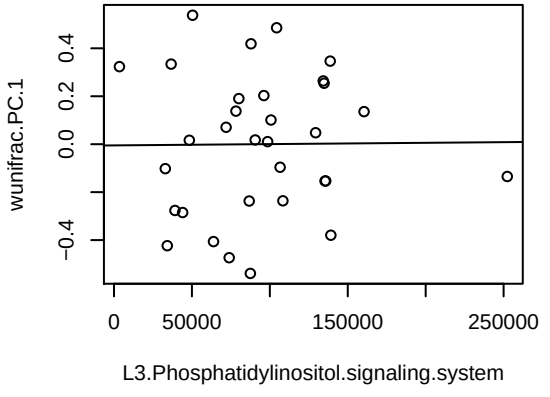
L3.Phenylpropanoid.biosynthesis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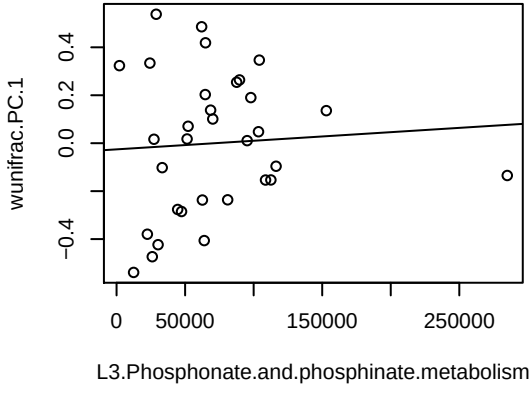
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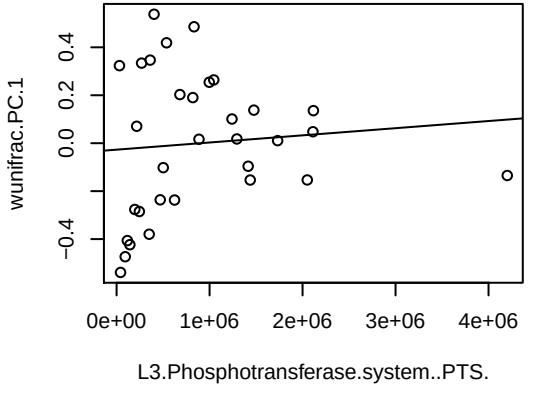
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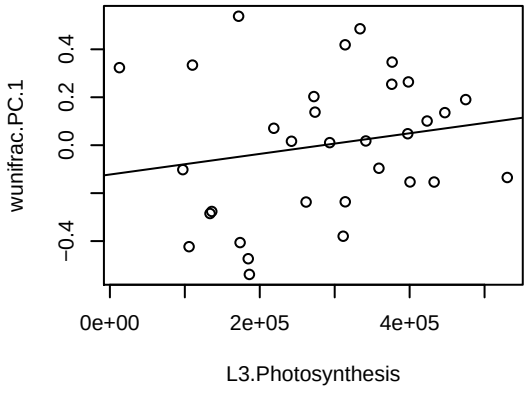
L3.Phosphotransferase.system..PTS.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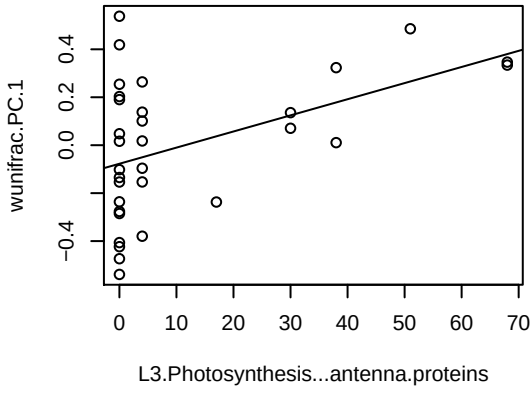
L3.Photosynthesis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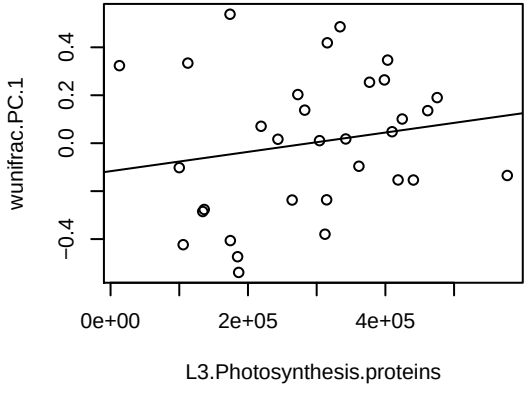
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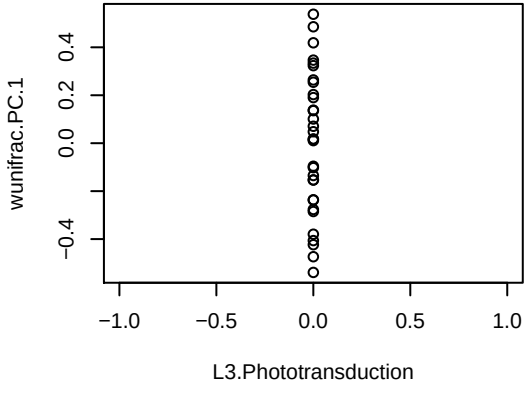
L3.Photosynthesis.proteins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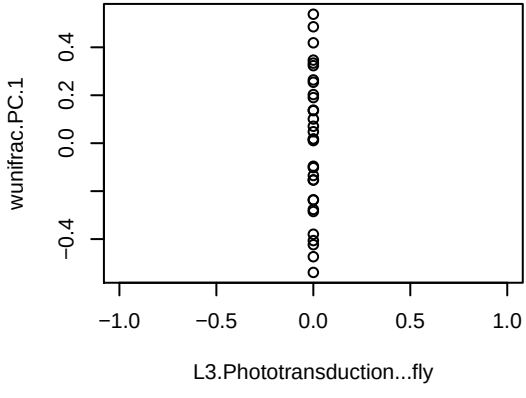
L3.Phototransduction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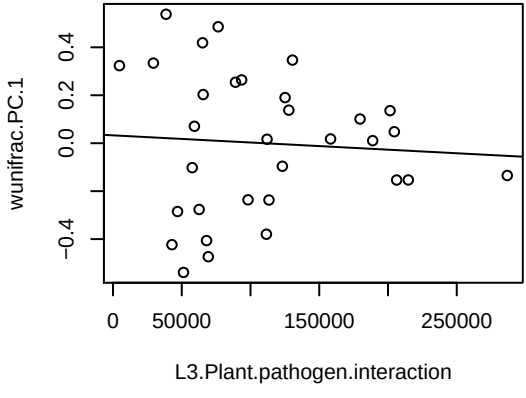
L3.Phototransduction...fly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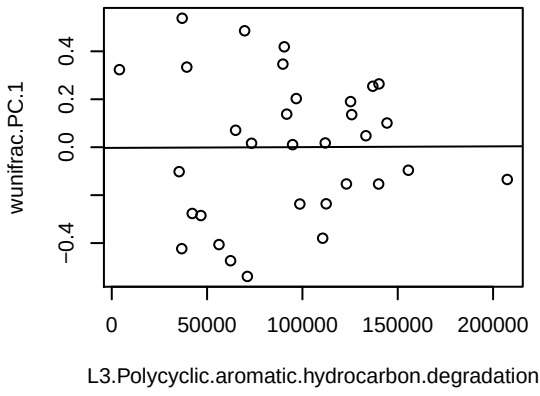
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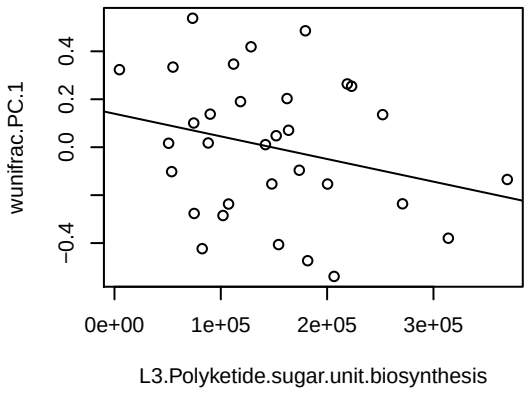
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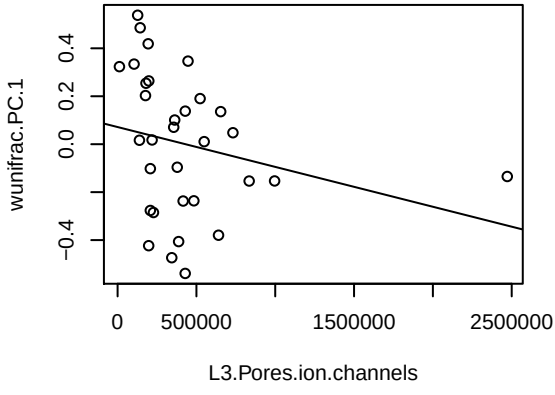
L3.Polyketide.sugar.unit.biosynthesis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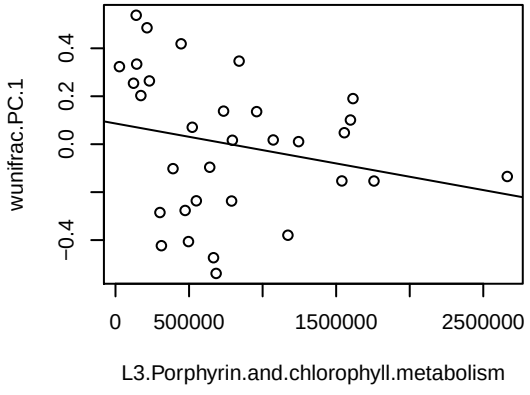
L3.Pores.ion.channels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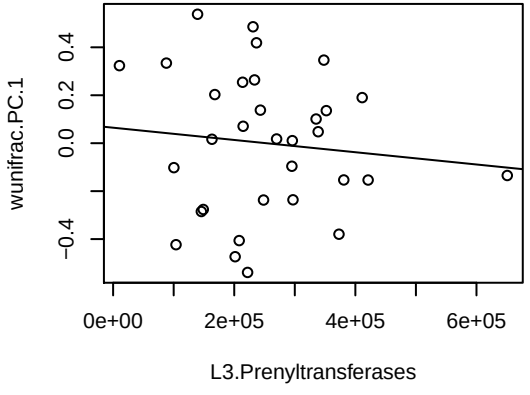
L3.Porphyrin.and.chlorophyll.metabolism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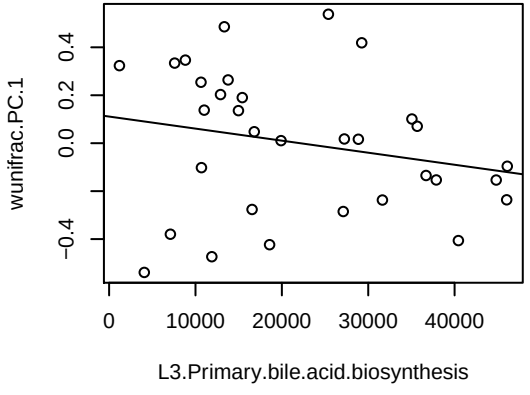
L3.Prenyltransferases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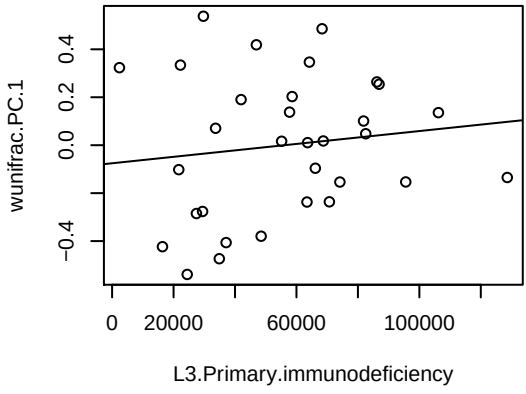
L3.Primary.bile.acid.biosynthesis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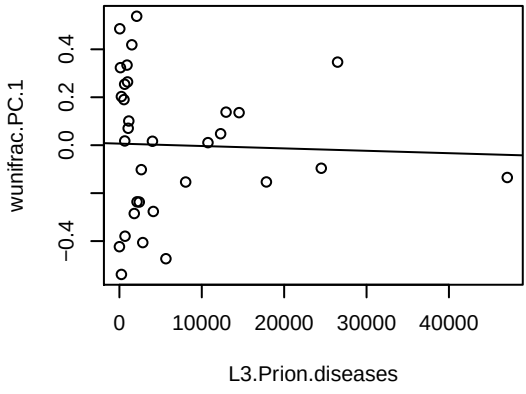
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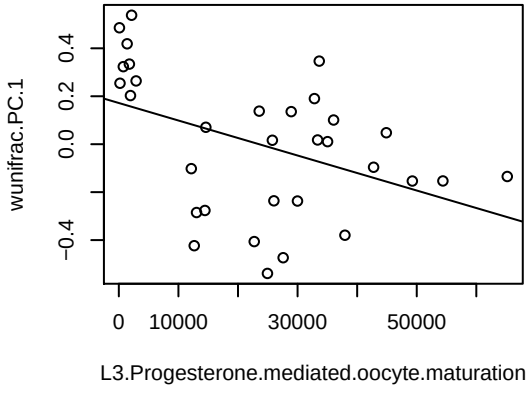
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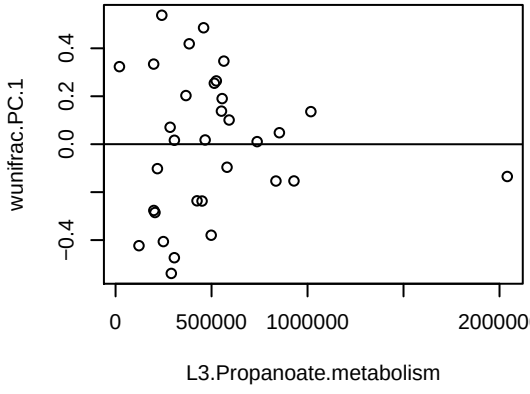
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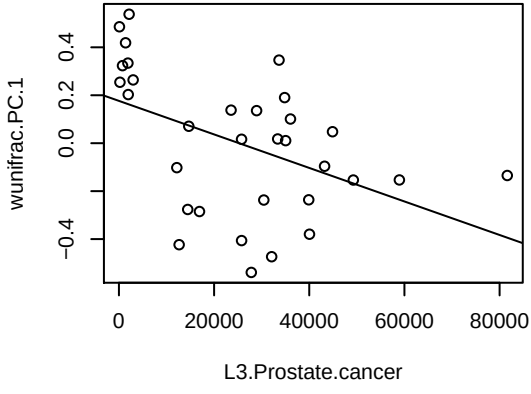
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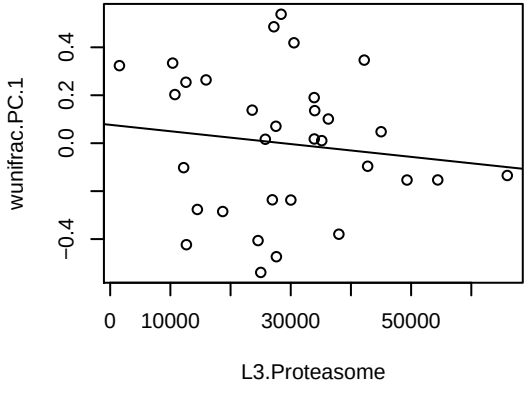
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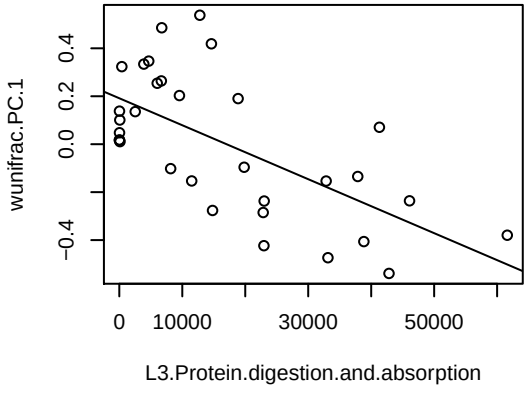
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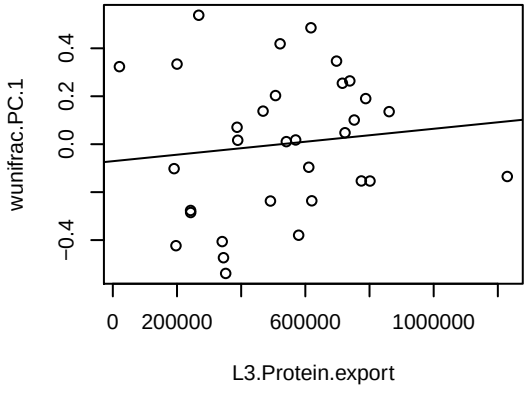
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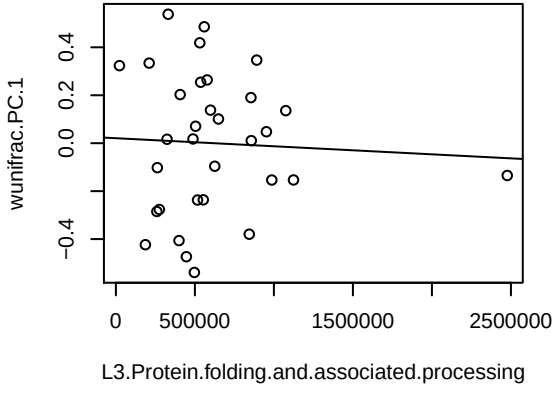
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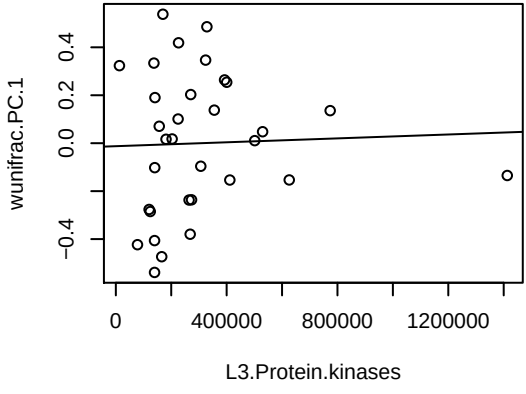
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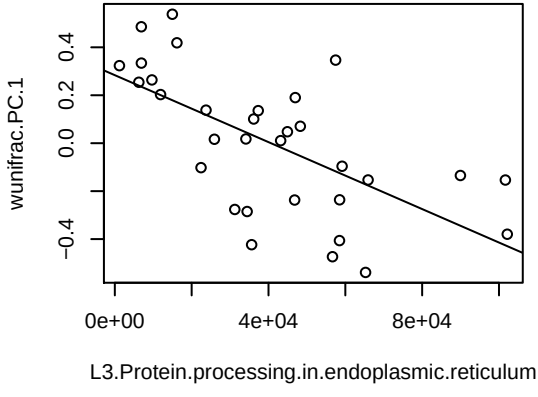
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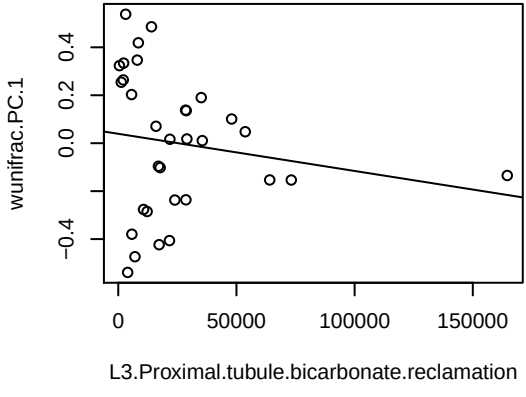
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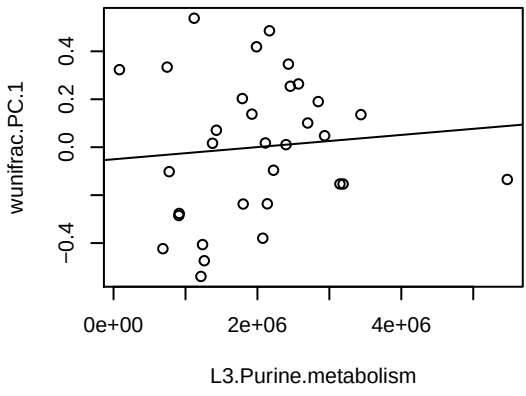
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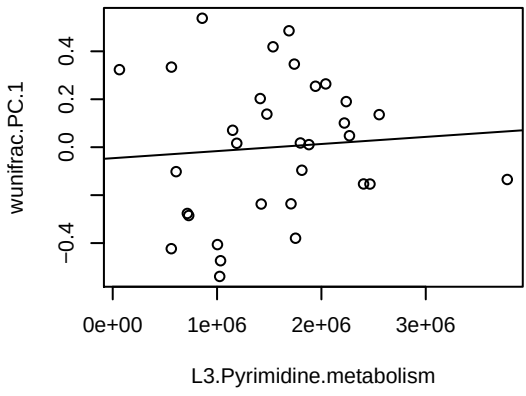
L3.Purine.metabolism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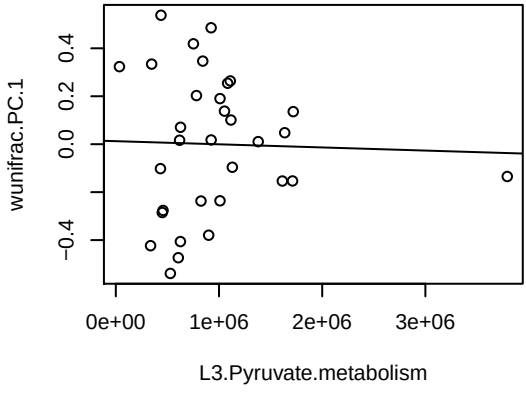
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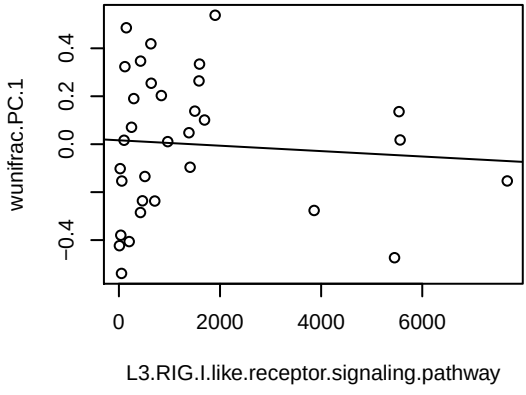
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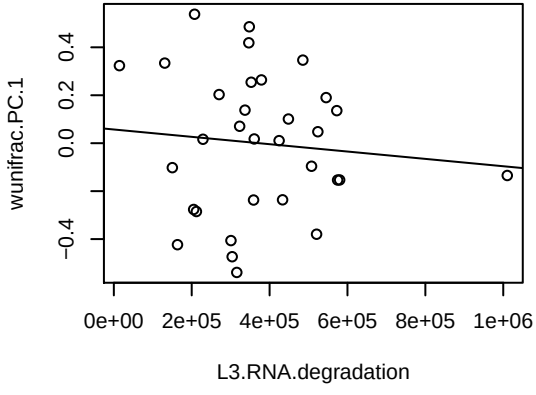
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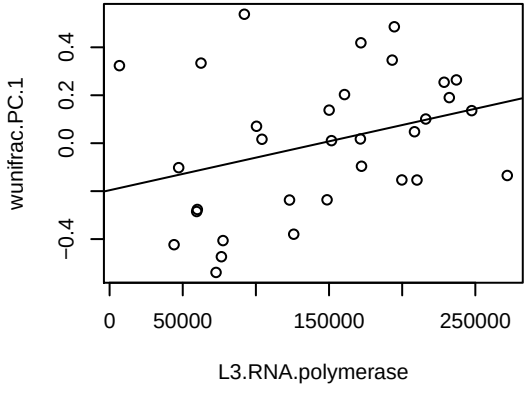
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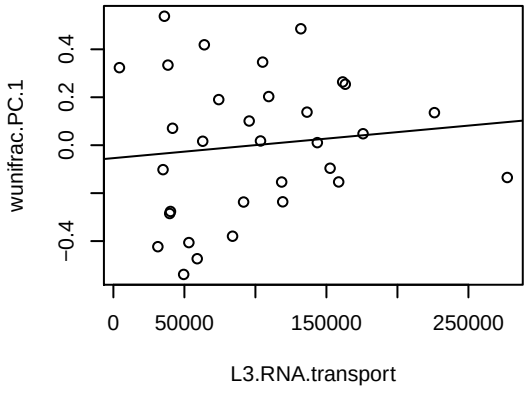
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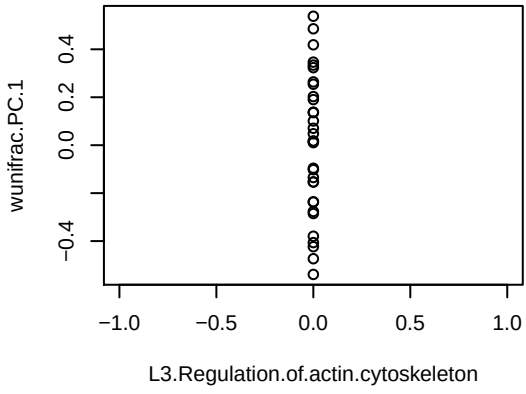
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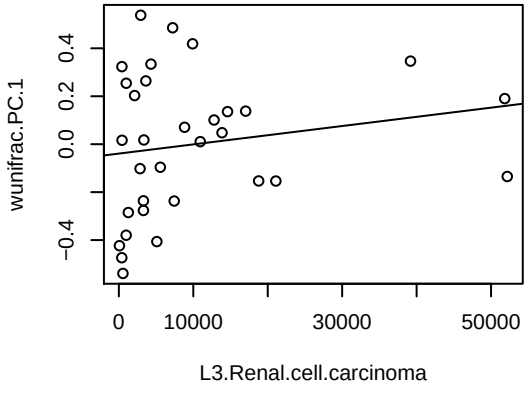
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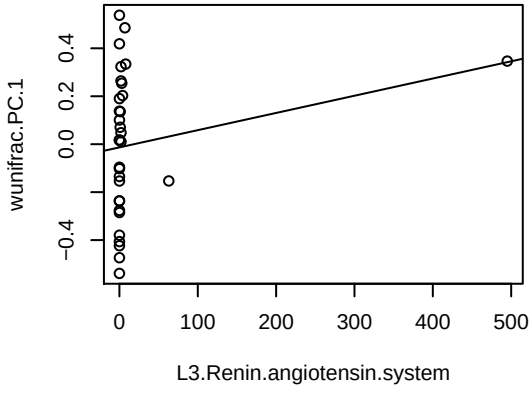
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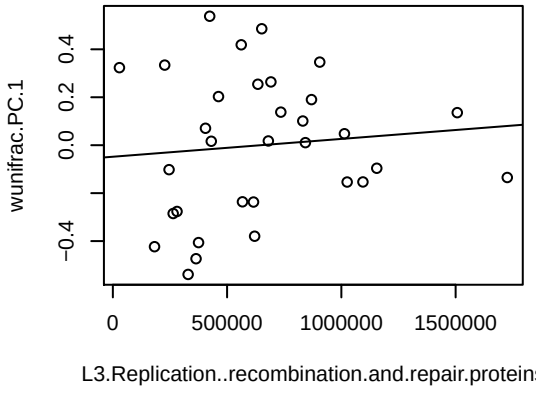
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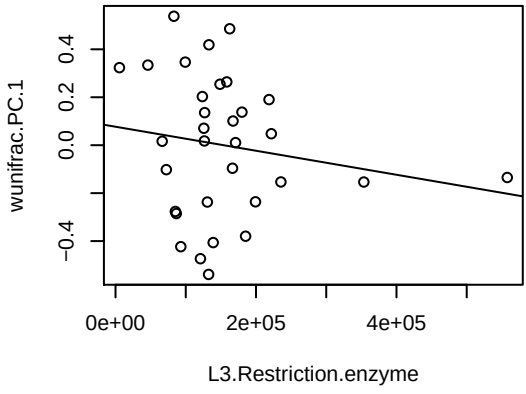
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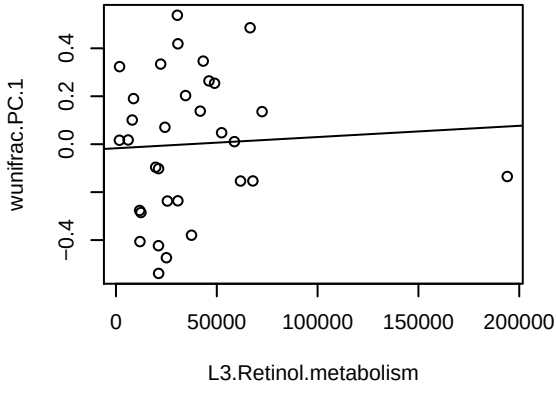
L3.Restriction.enzyme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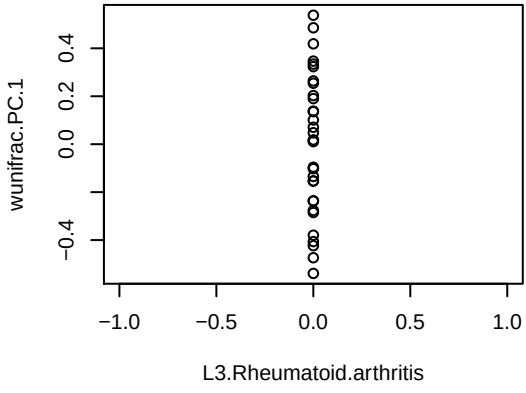
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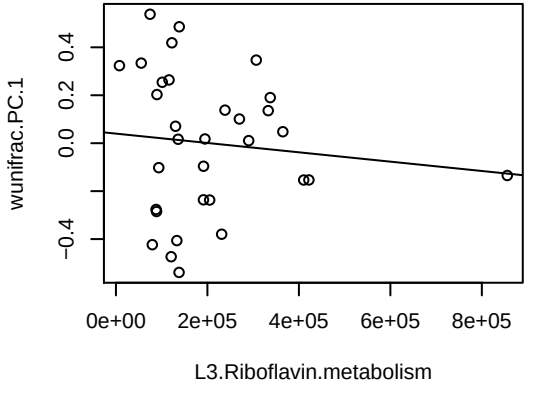
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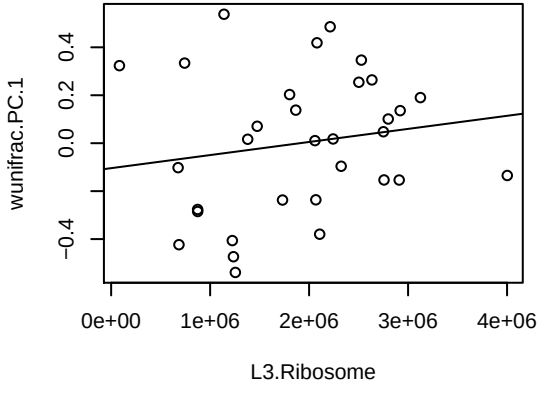
L3.Riboflavin.metabolism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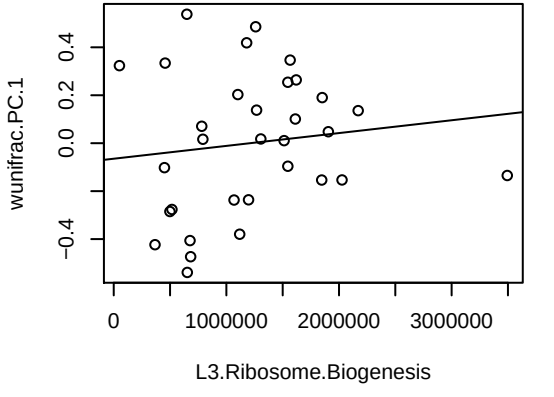
L3.Ribosome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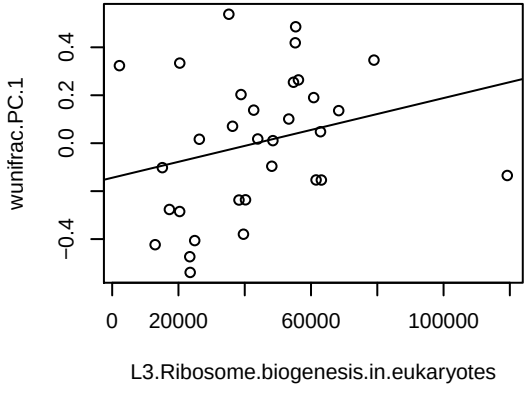
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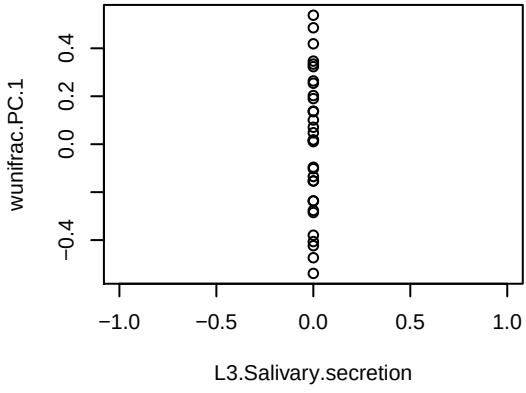
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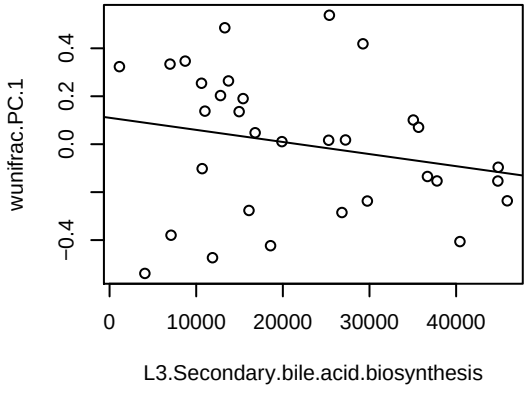
L3.Salivary.secretion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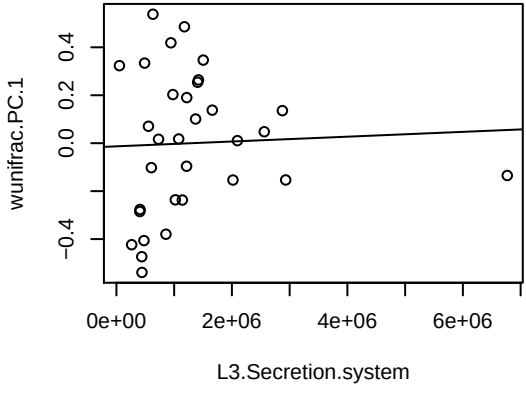
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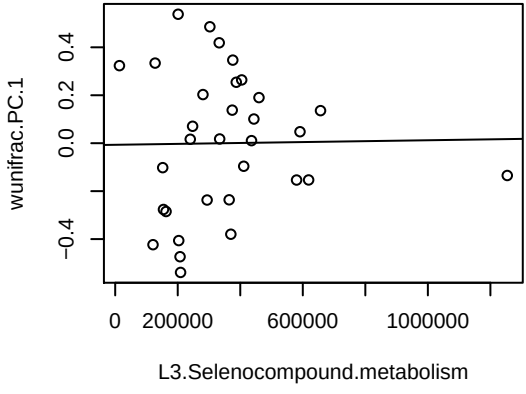
L3.Secretion.system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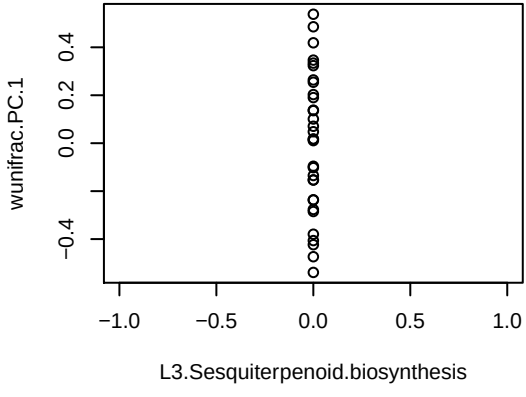
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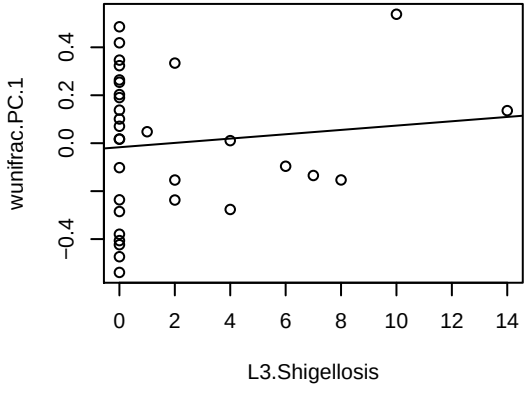
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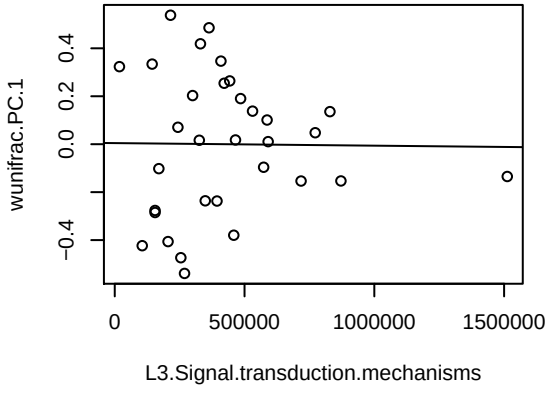
L3.Shigellosis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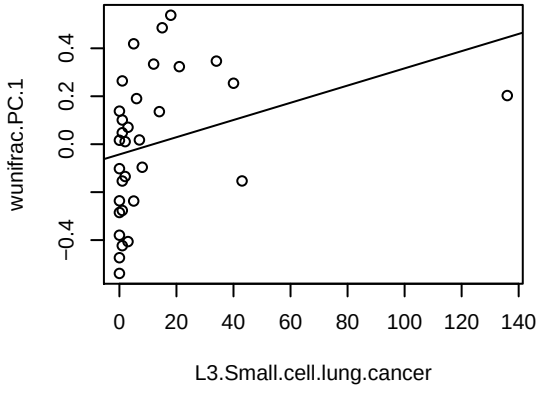
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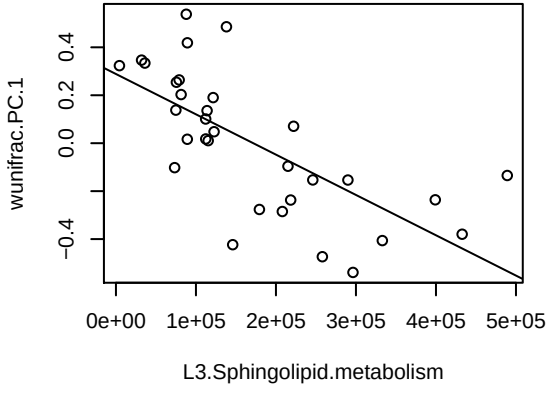
L3.Small.cell.lung.cancer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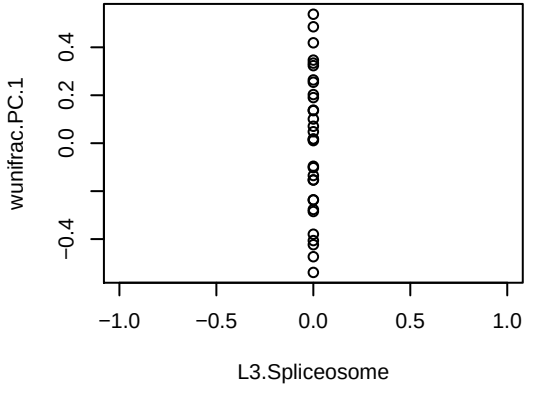
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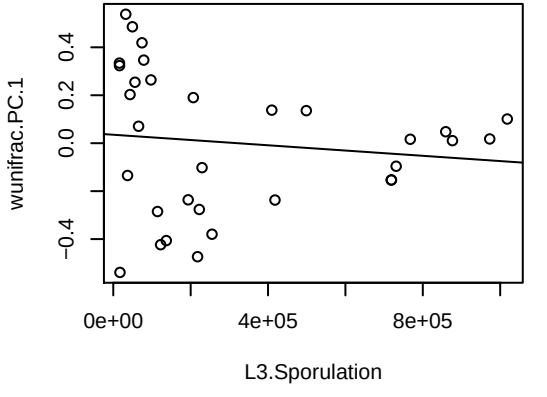
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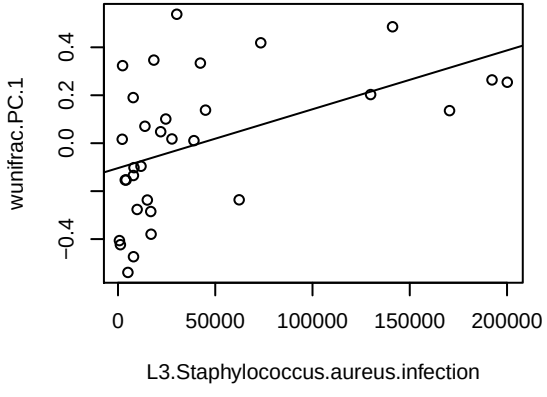
L3.Sporulation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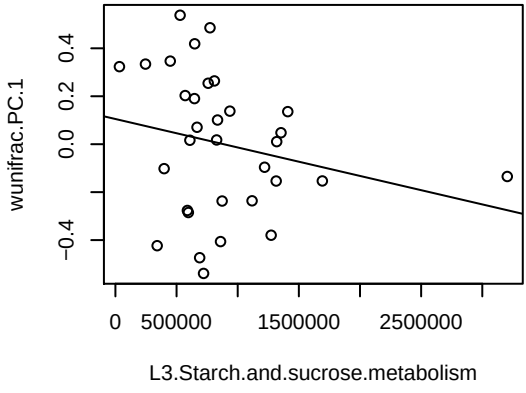
L3.Staphylococcus.aureus.infection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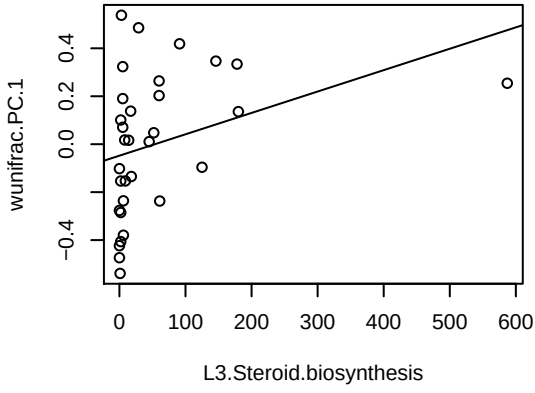
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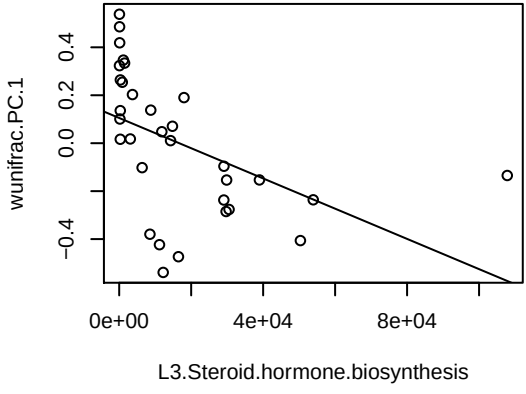
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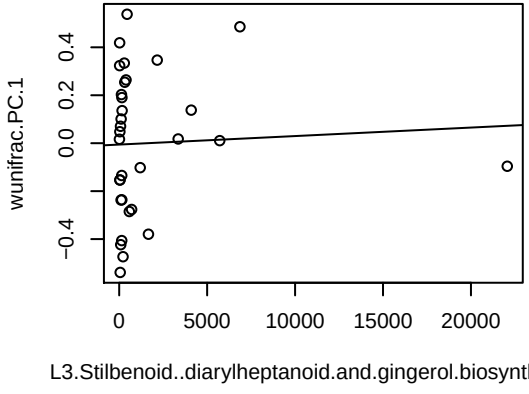
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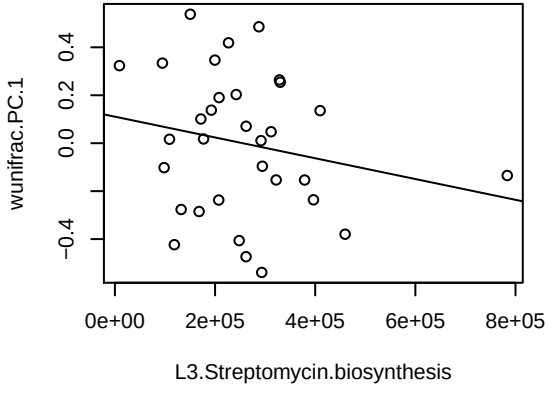
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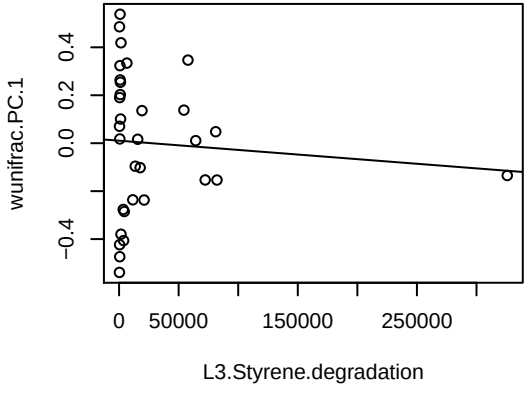
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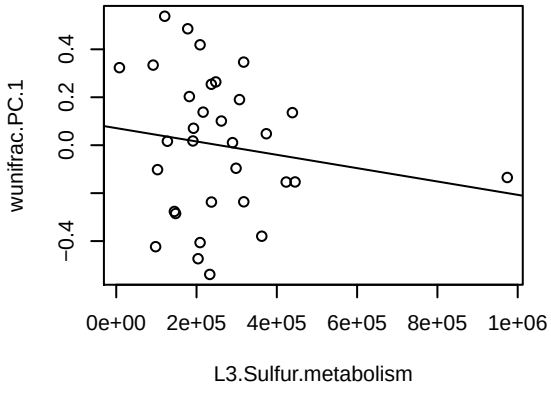
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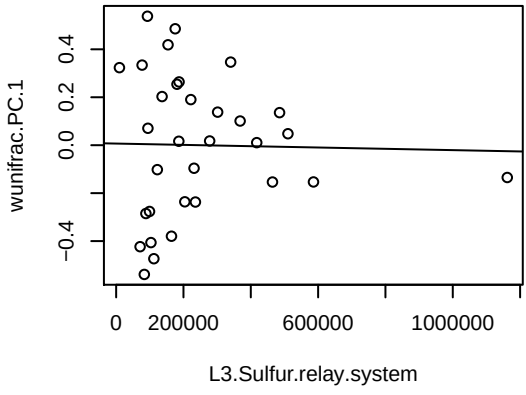
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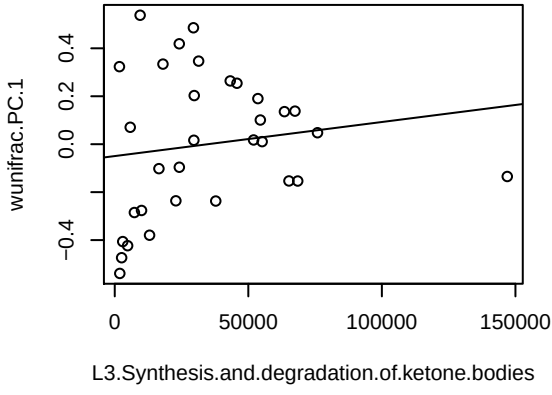
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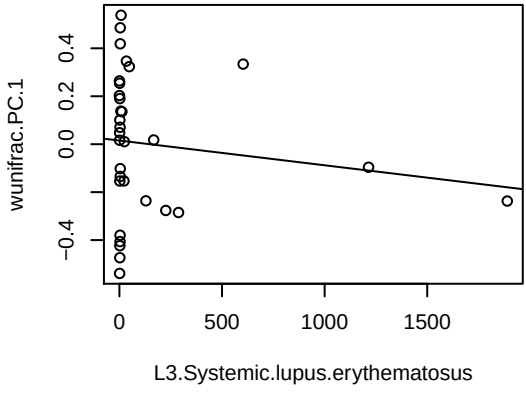
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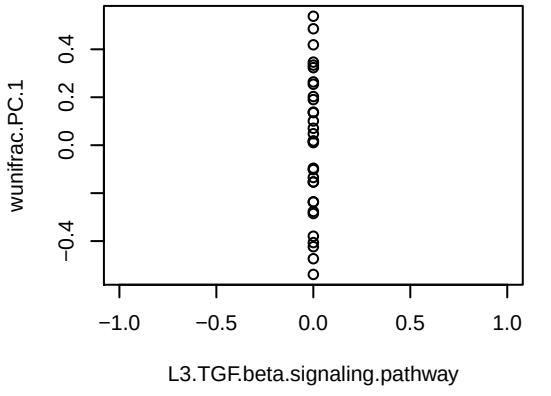
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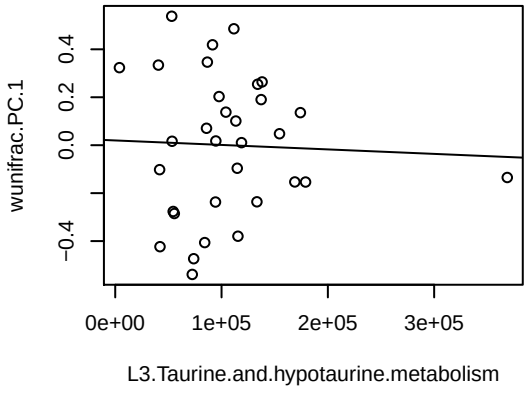
L3.TGF.beta.signaling.pathway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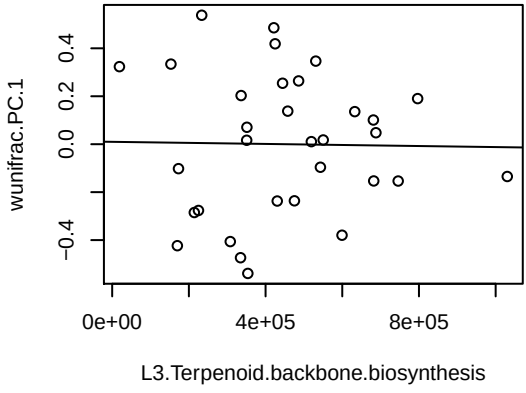
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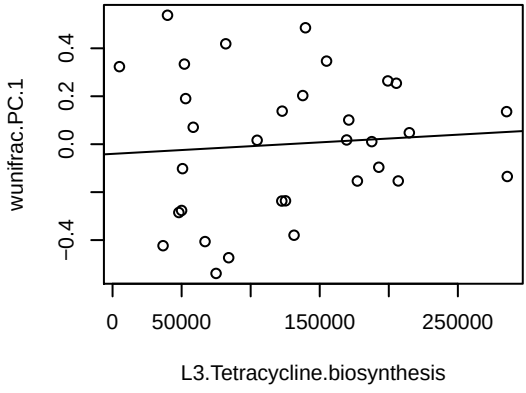
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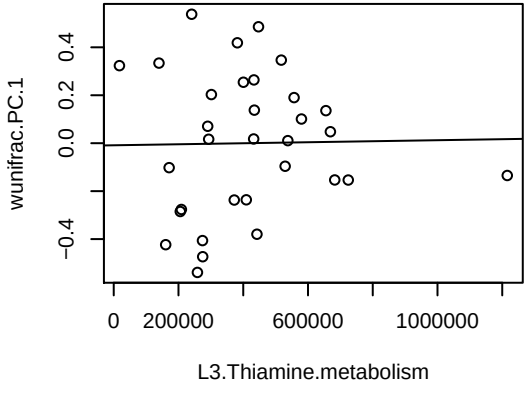
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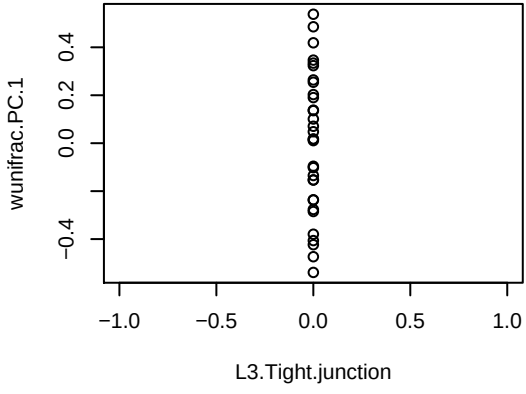
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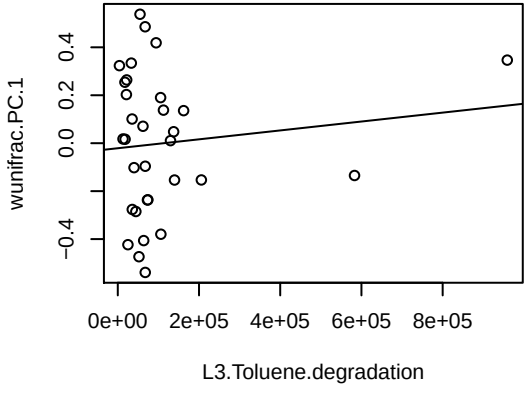
L3.Tight.junction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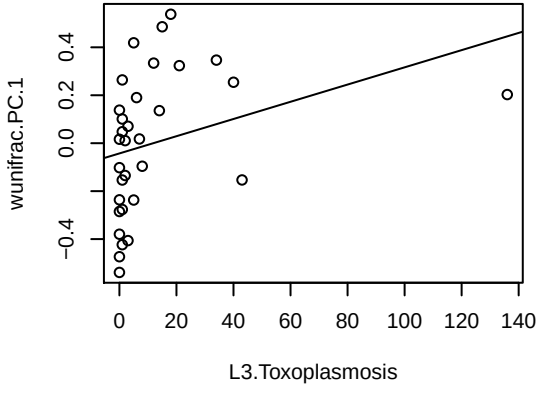
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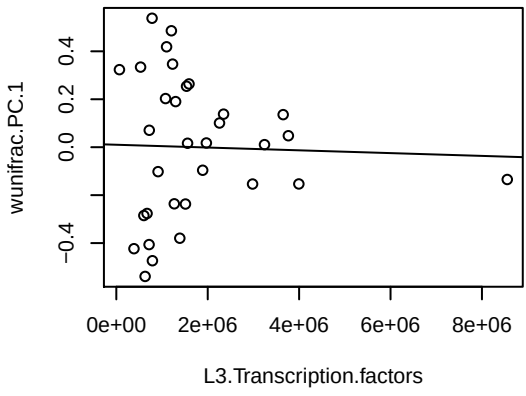
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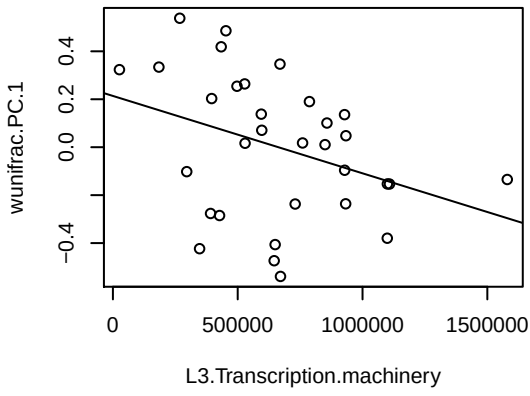
L3.Transcription.factors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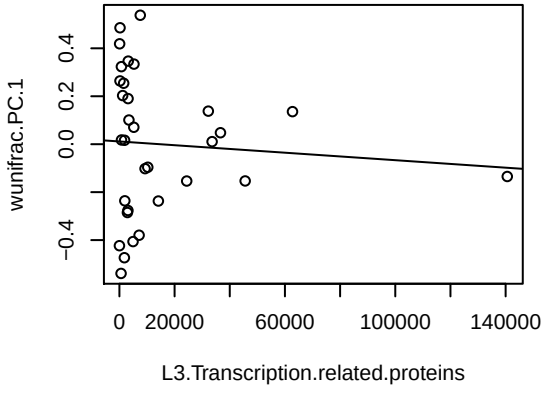
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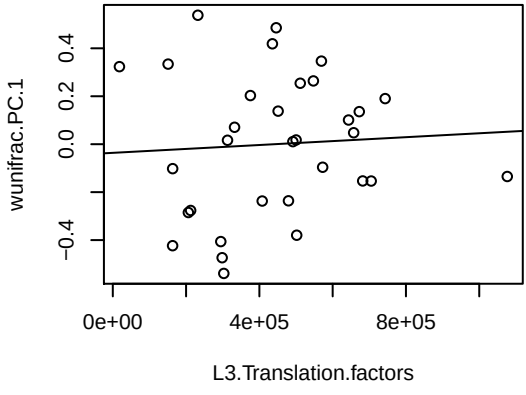
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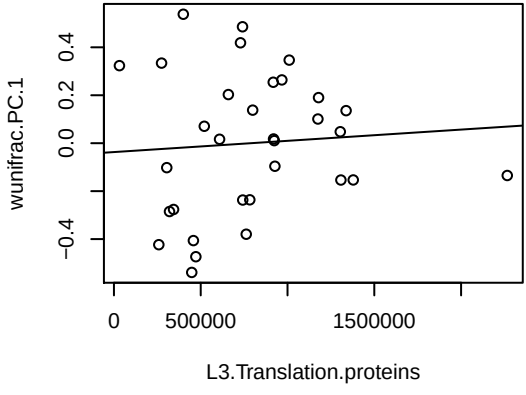
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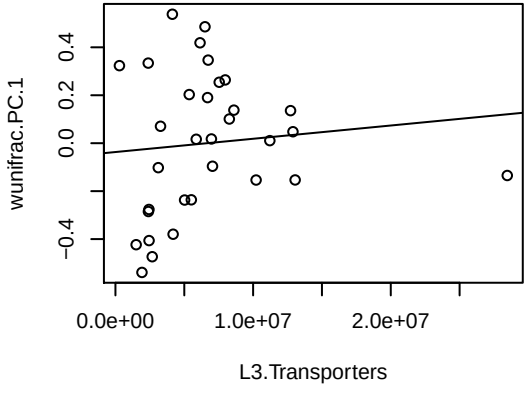
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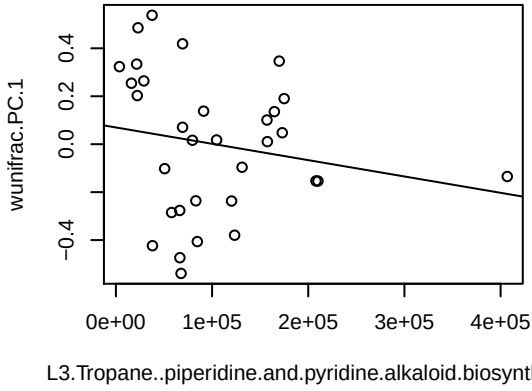
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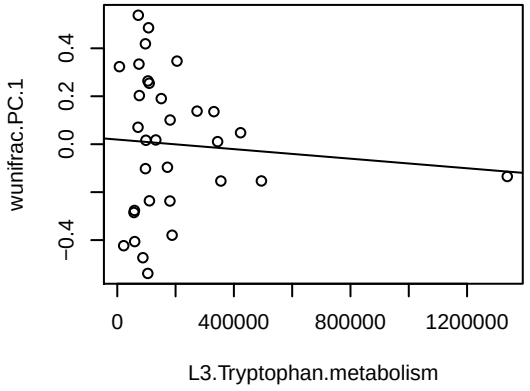
L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis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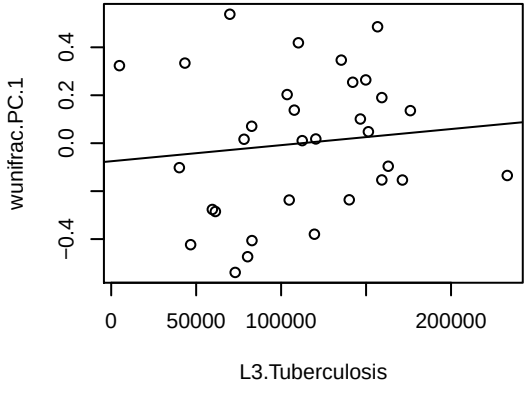
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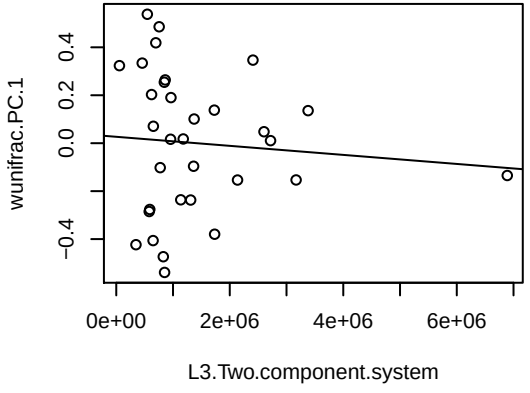
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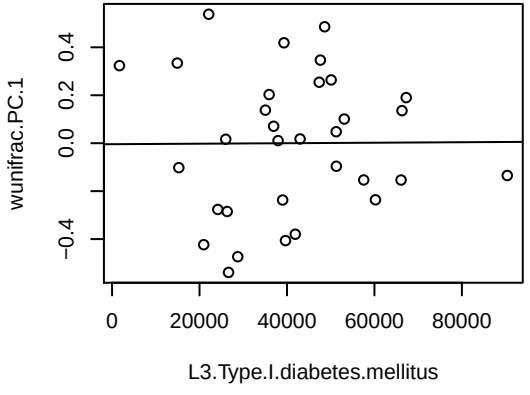
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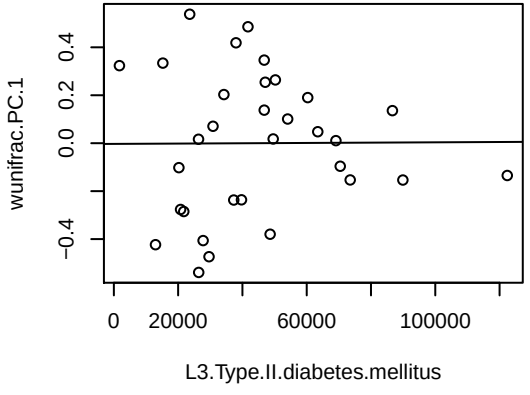
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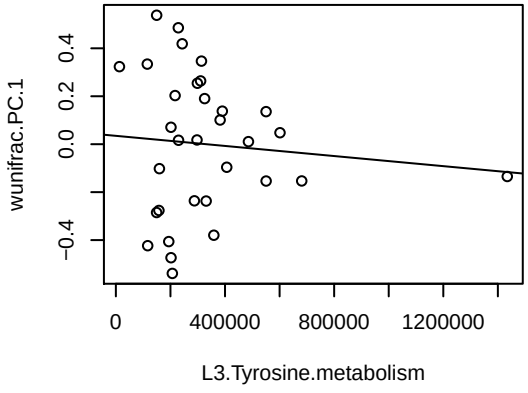
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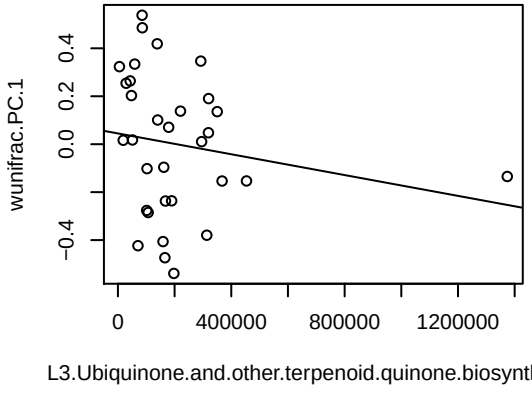
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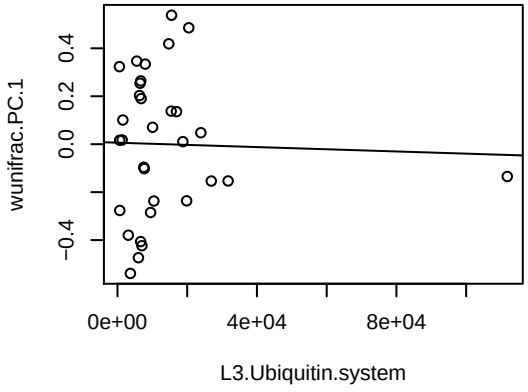
L3.Ubiquinone.and.other.terpenoid.quinone.biosynthesis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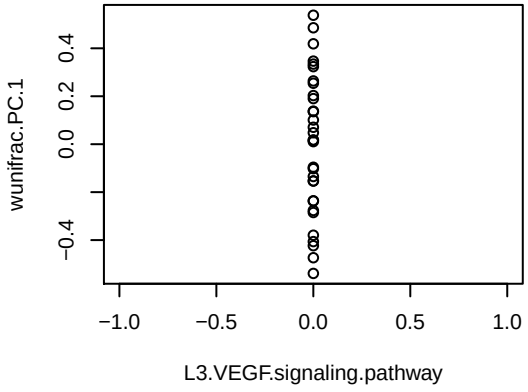
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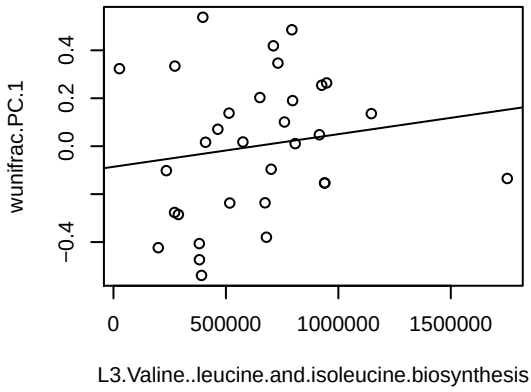
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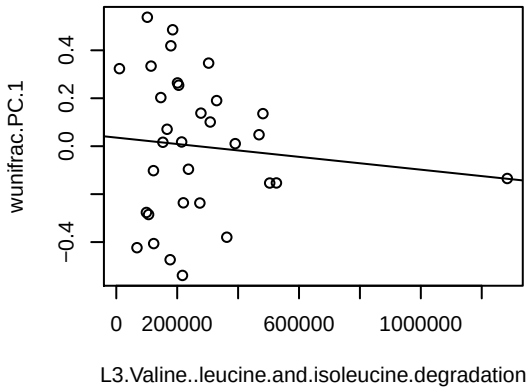
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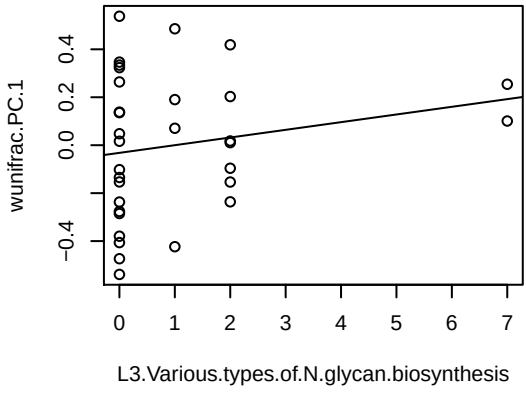
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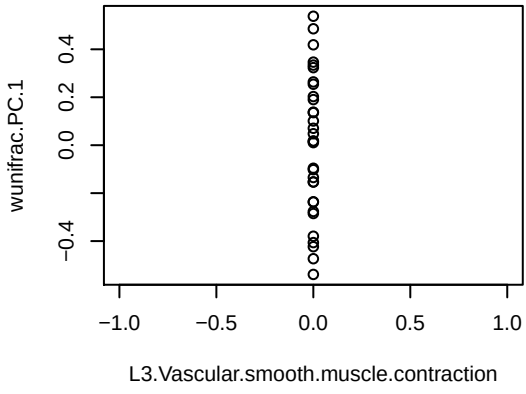
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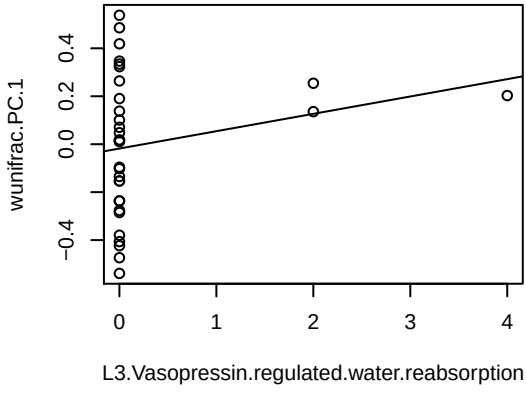
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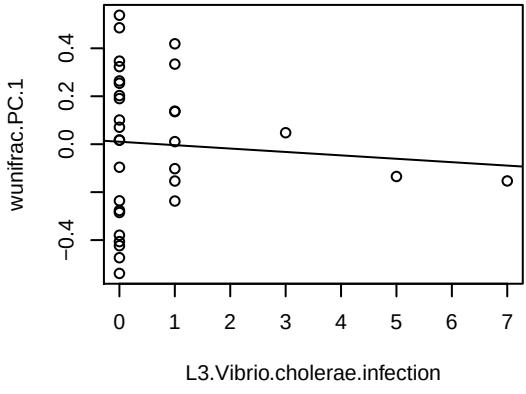
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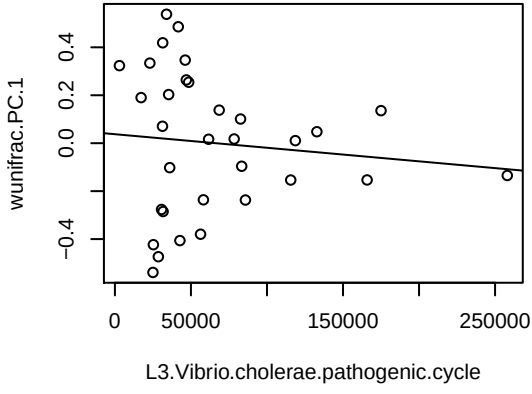
L3.Vibrio.cholerae.infection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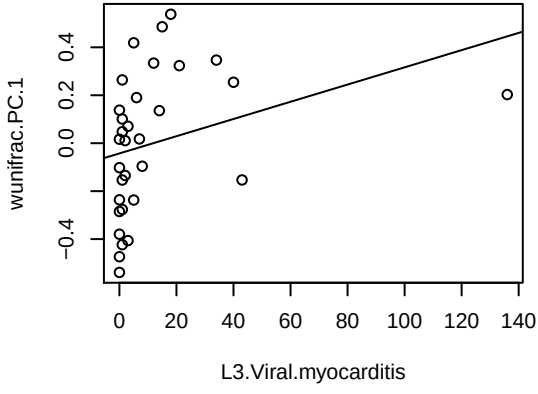
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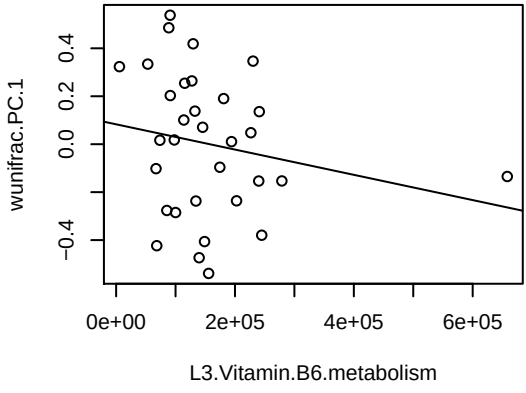
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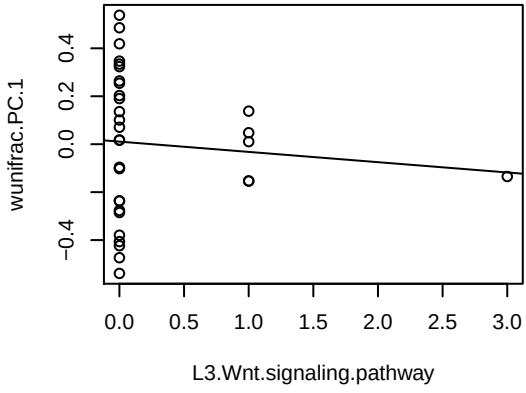
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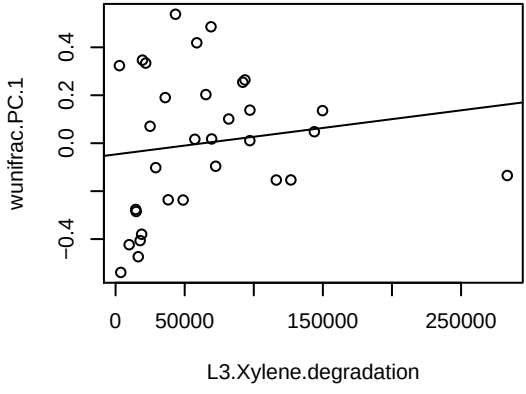
L3.Wnt.signaling.pathway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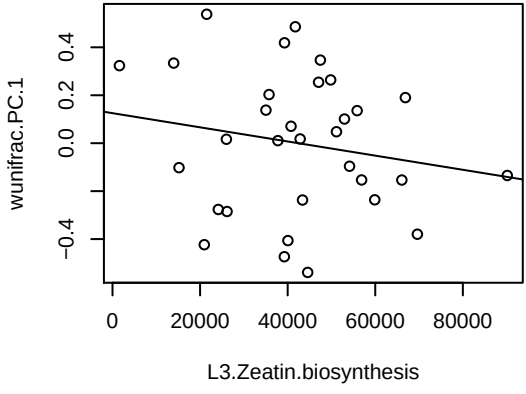
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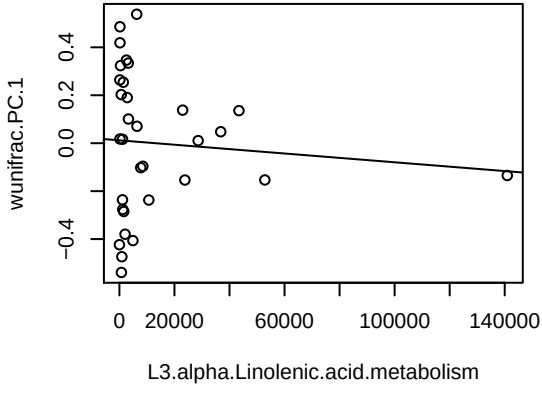
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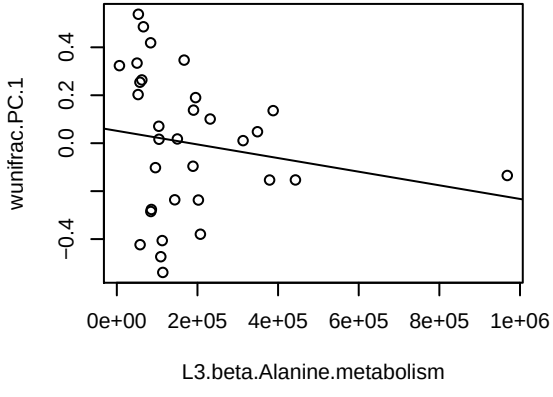
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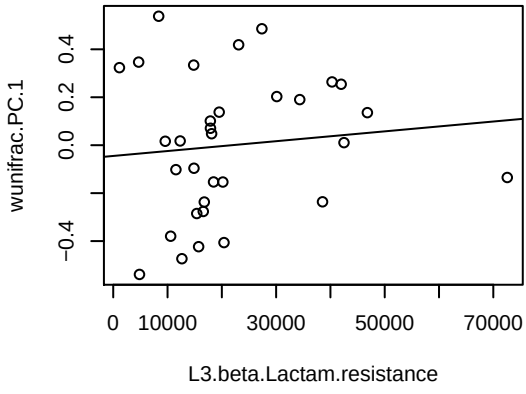
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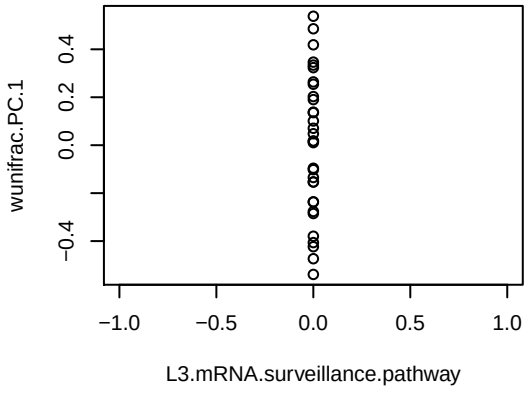
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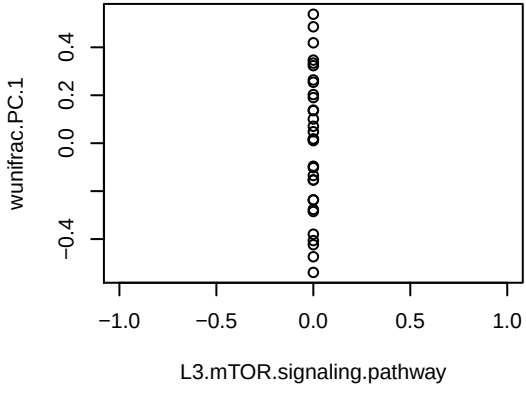
L3.mRNA.surveillance.pathway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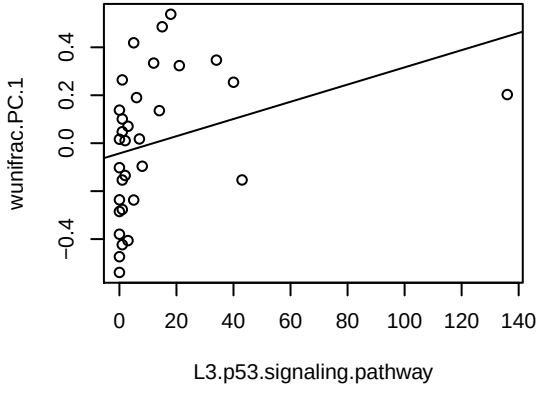
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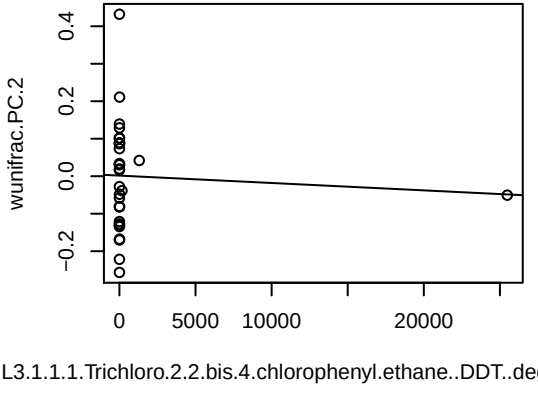
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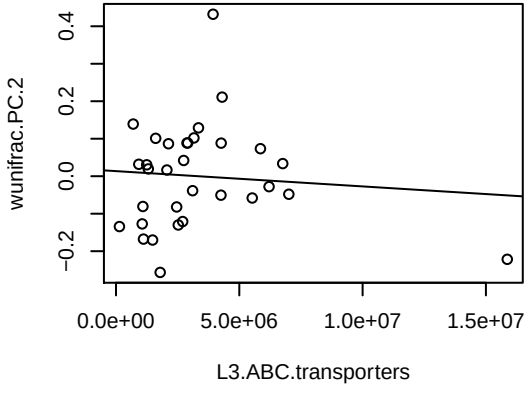
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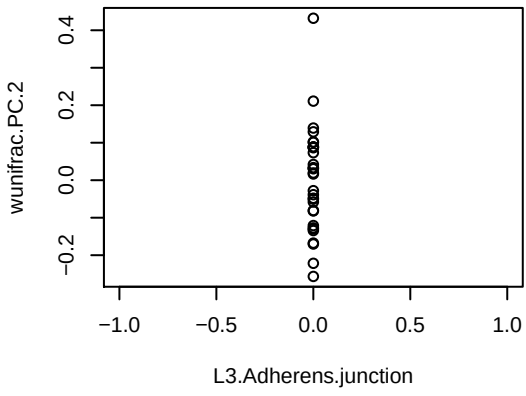
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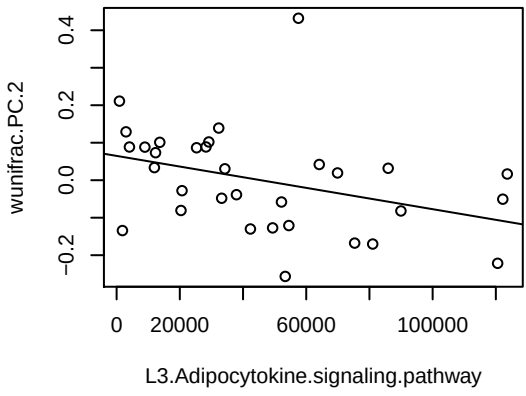
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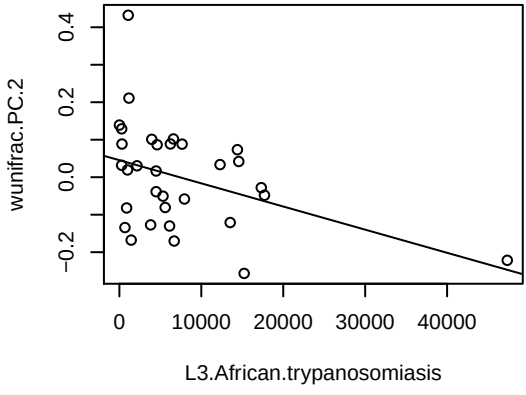
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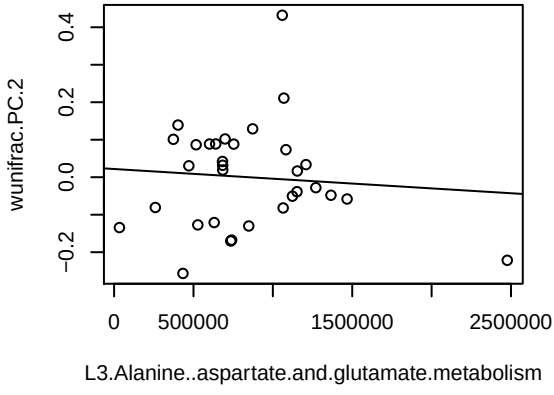
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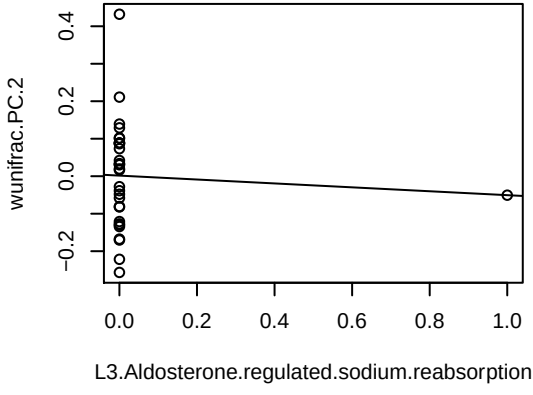
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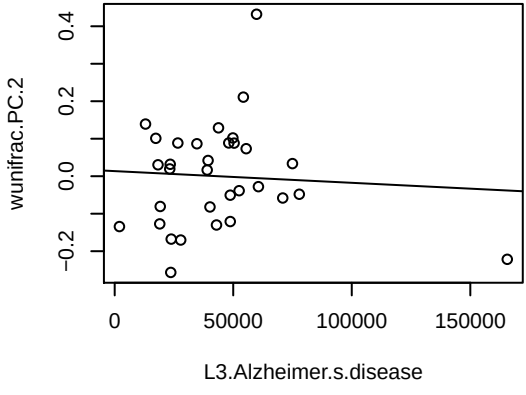
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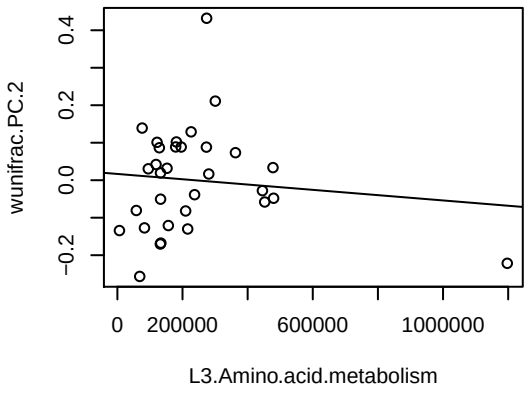
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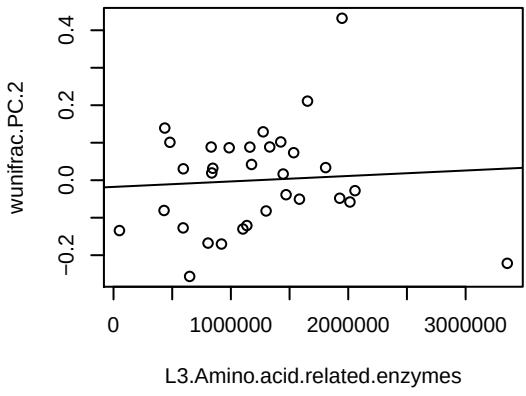
L3.Amino.acid.metabolism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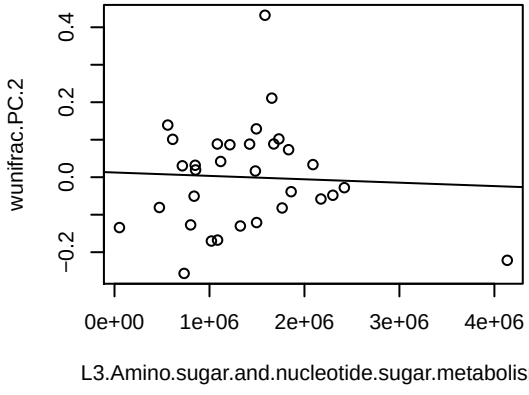
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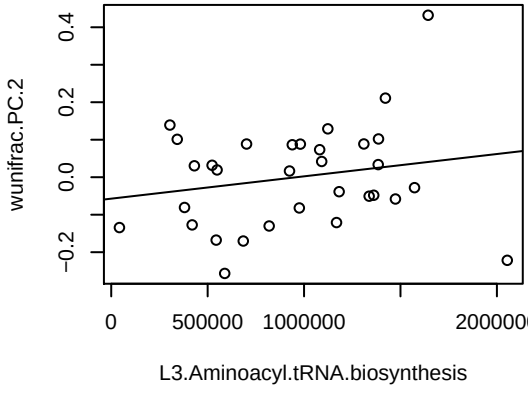
L3.Amino.sugar.and.nucleotide.sugar.metabolism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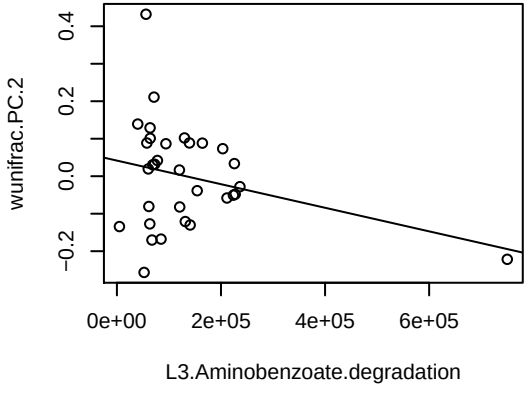
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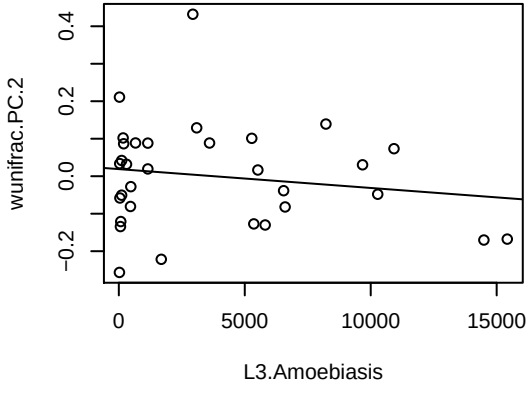
L3.Aminobenzoate.degradation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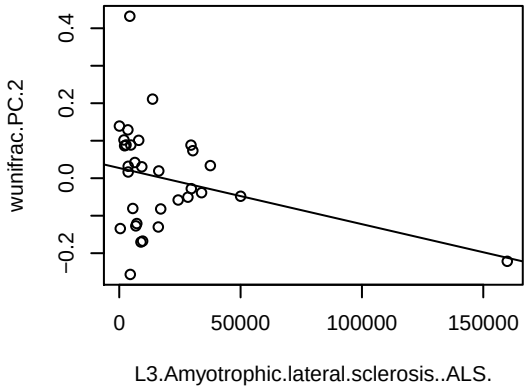
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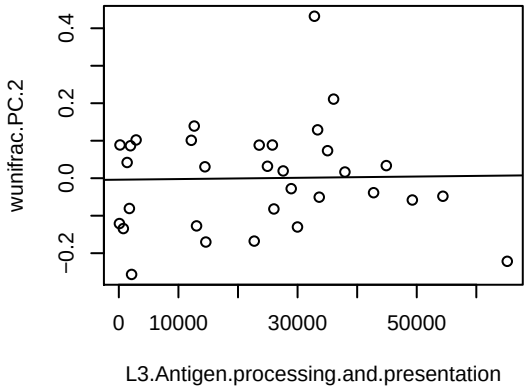
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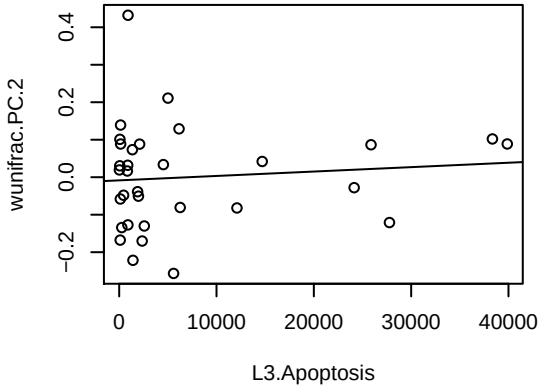
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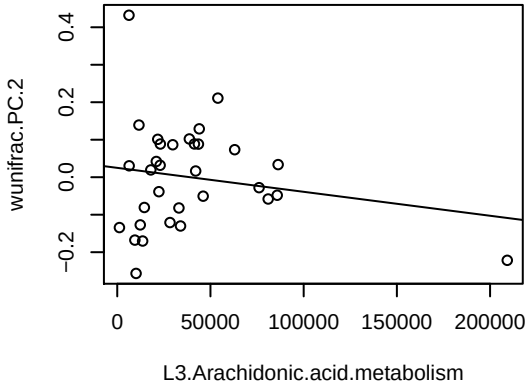
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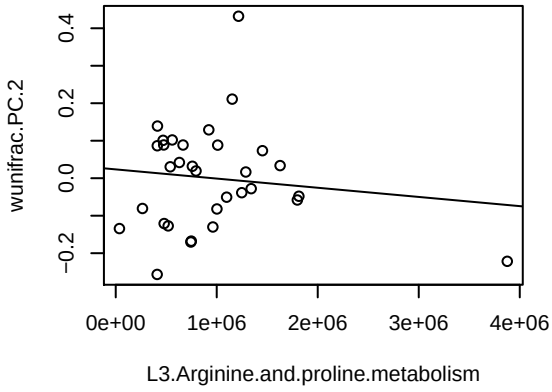
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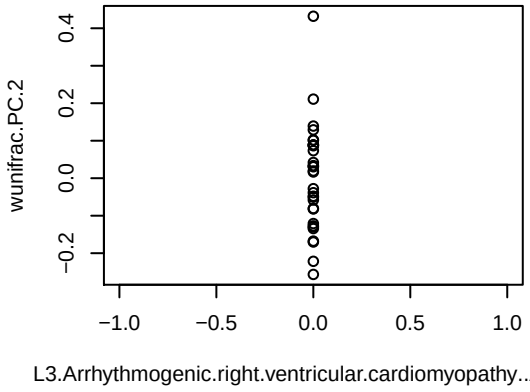
L3.Arginine.and.proline.metabolism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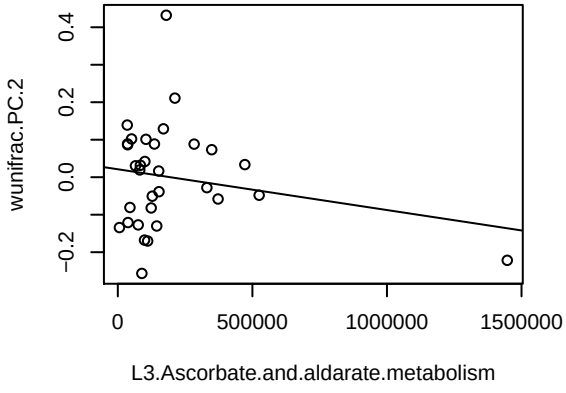
L3.Arrhythmogenic.right.ventricular.cardiomyopathy..ARV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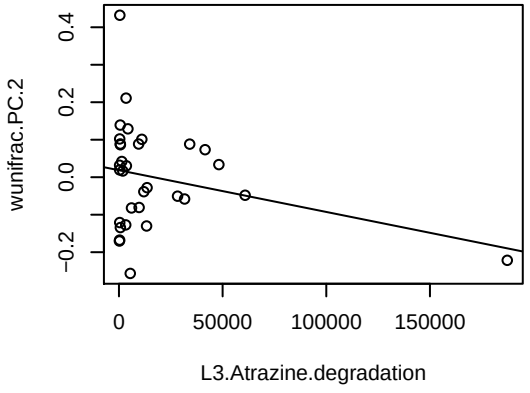
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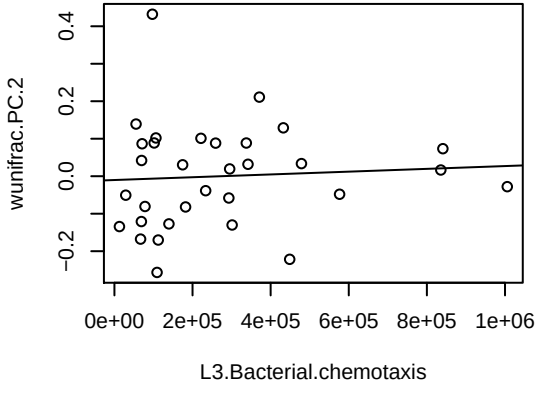
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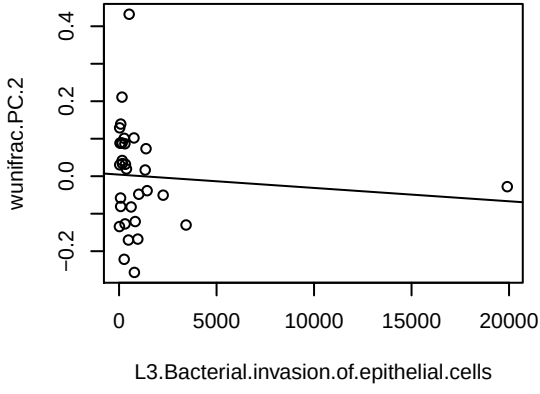
L3.Bacterial.chemotaxis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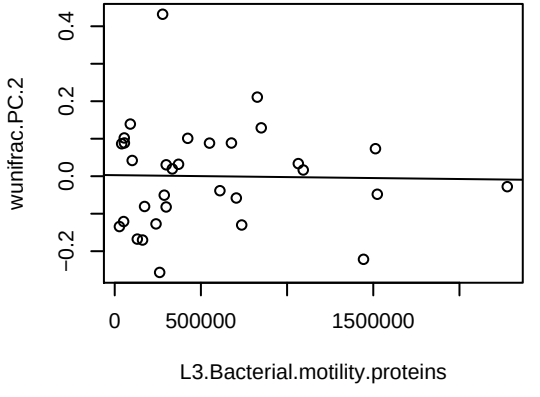
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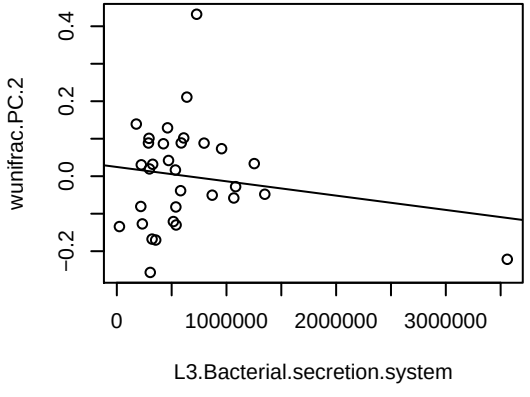
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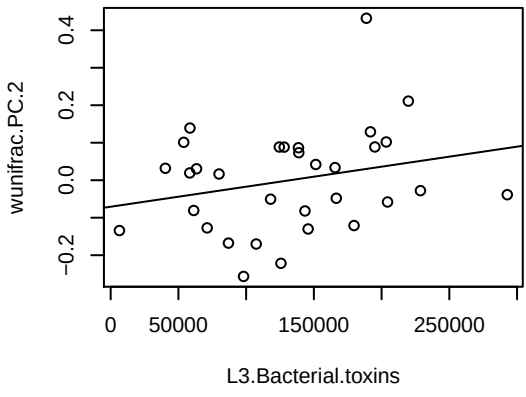
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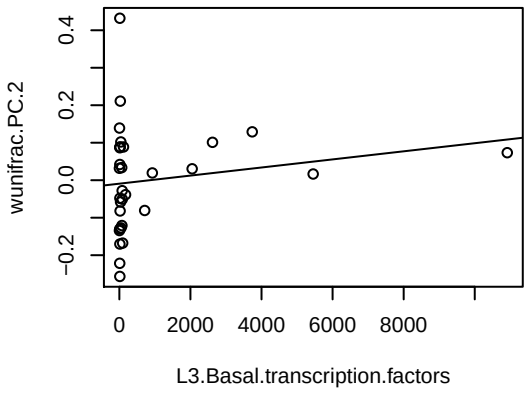
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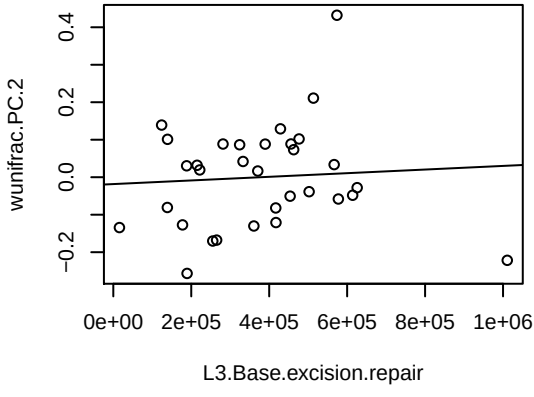
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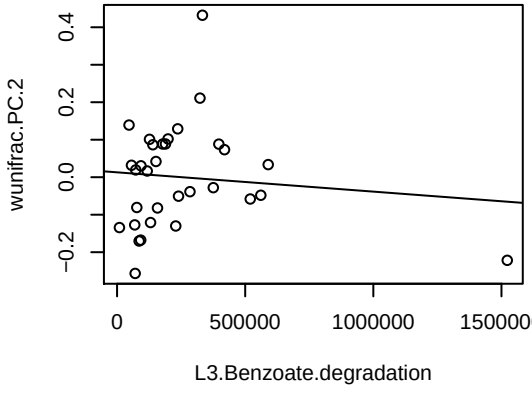
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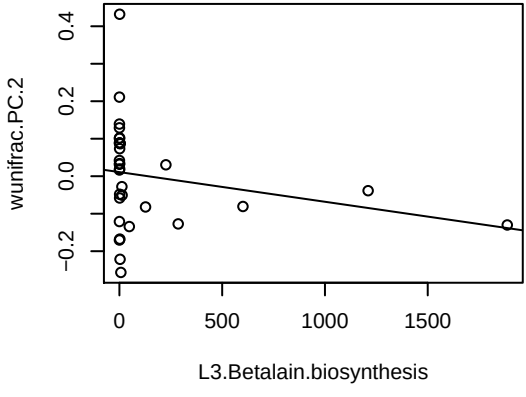
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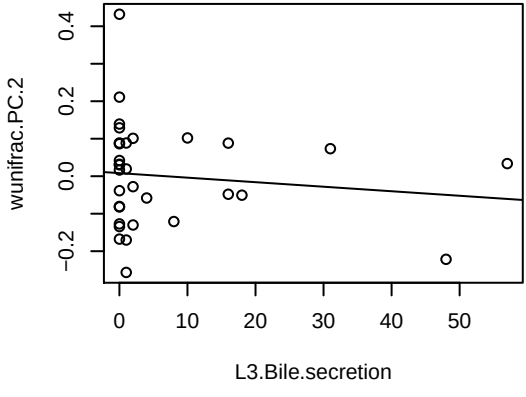
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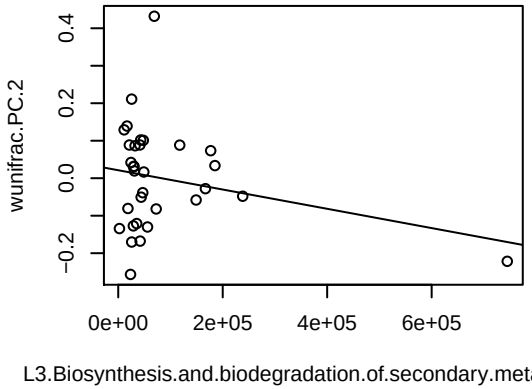
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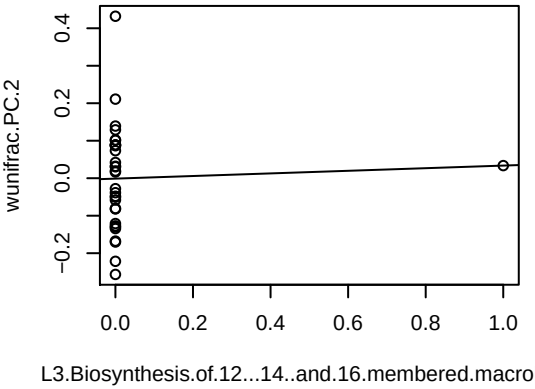
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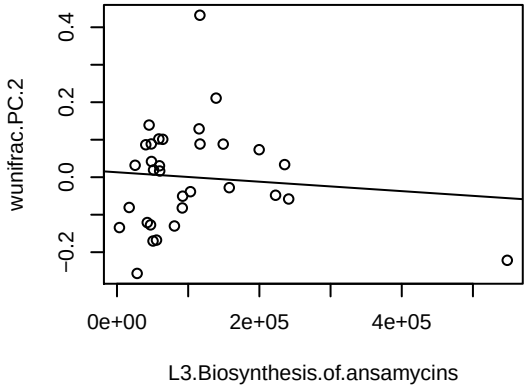
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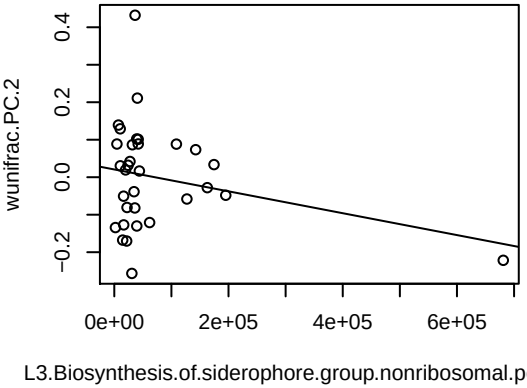
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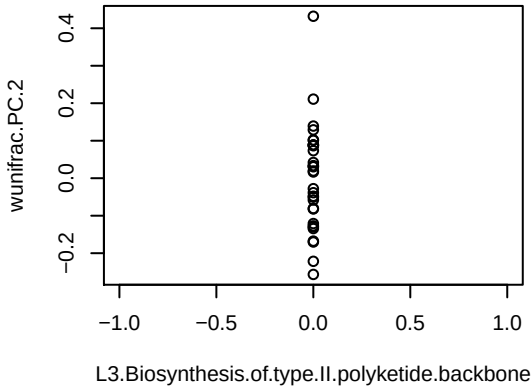
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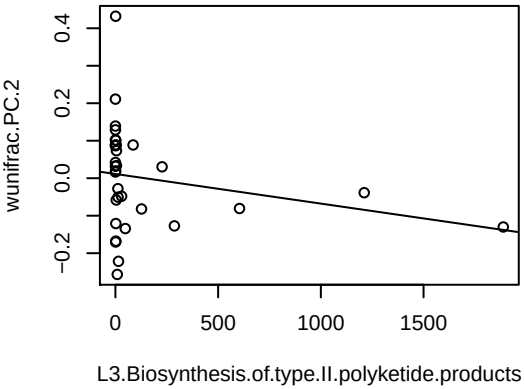
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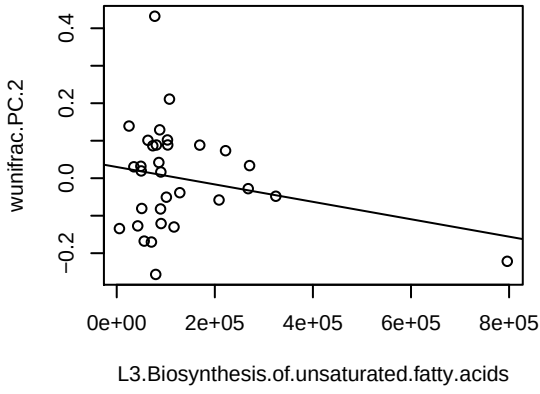
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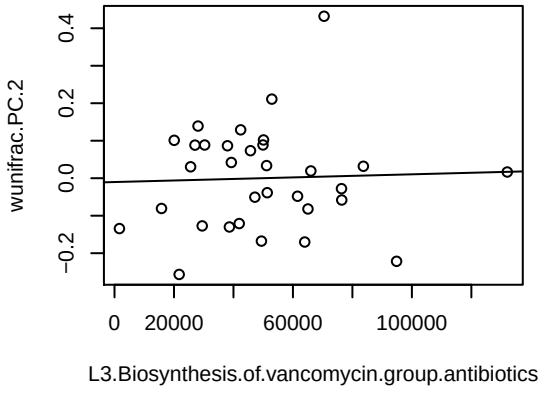
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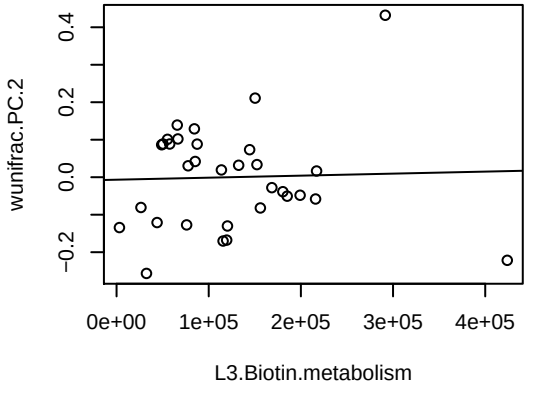
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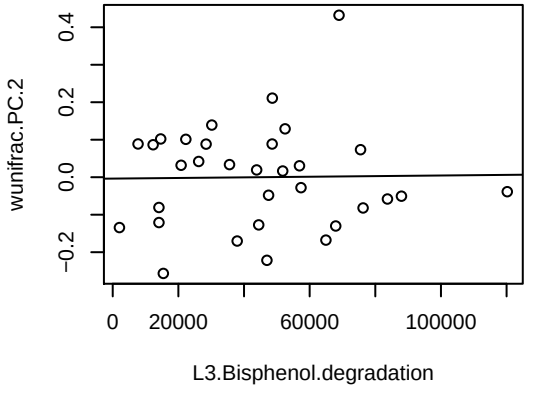
L3.Biotin.metabolism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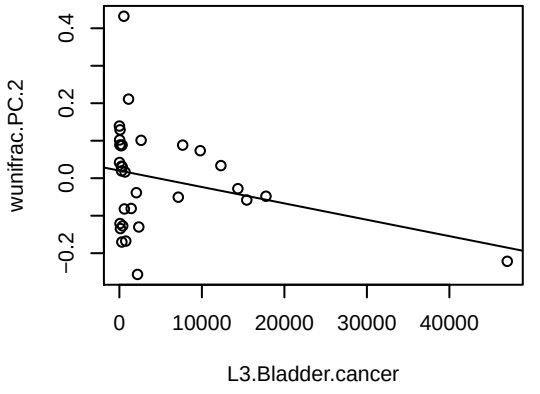
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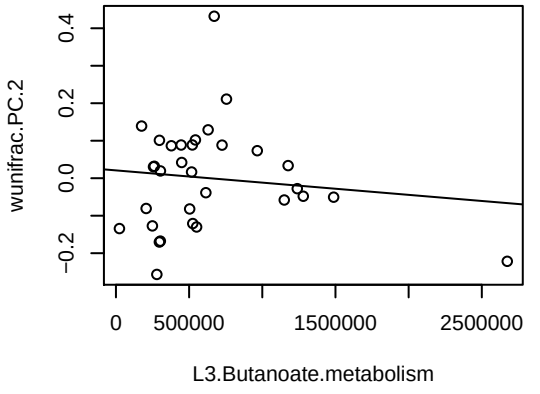
L3.Bladder.cancer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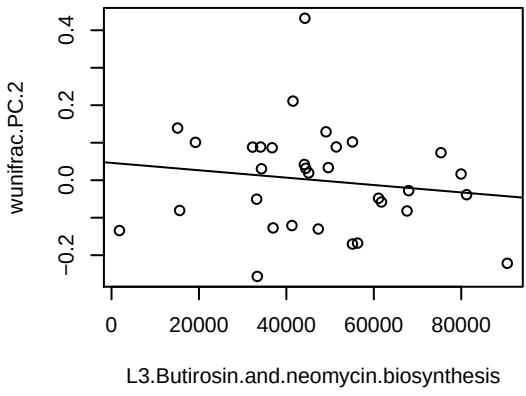
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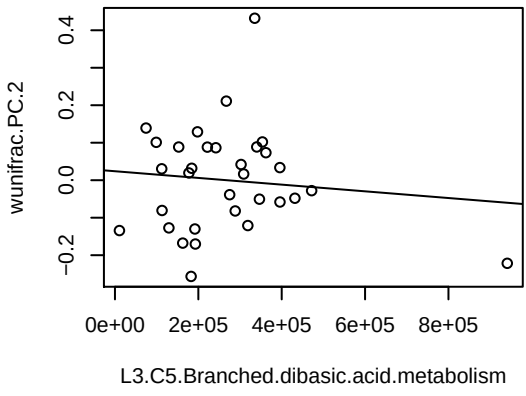
L3.Butirosin.and.neomycin.biosynthesis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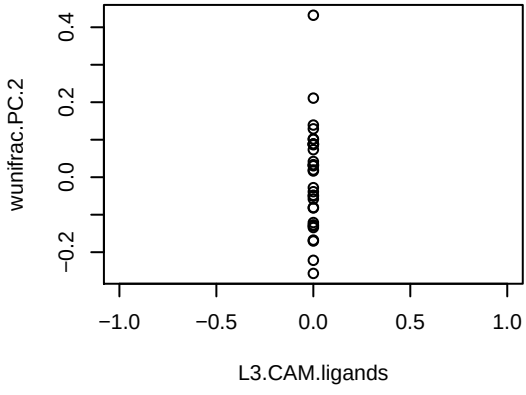
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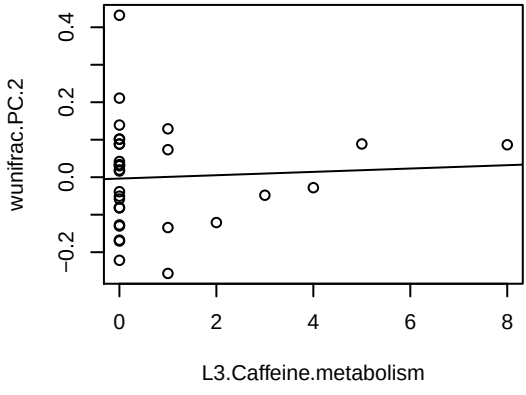
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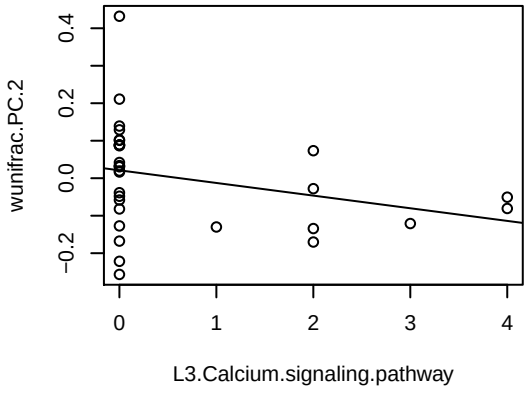
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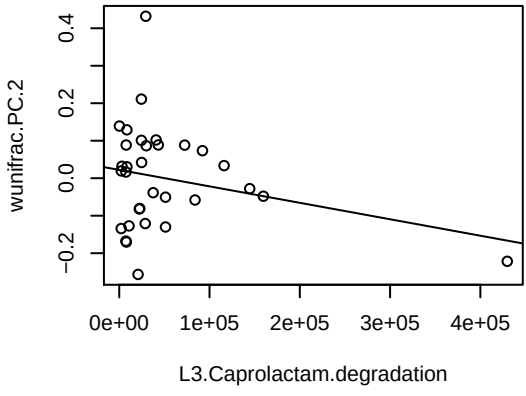
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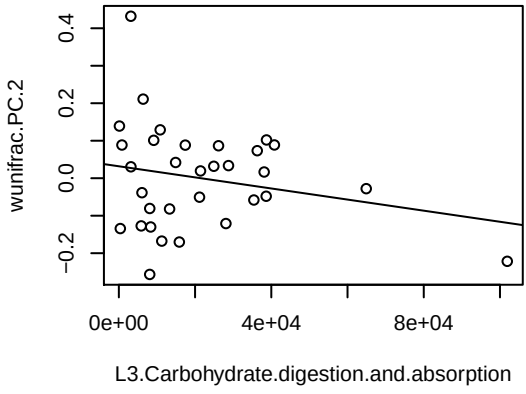
L3.Caprolactam.degradation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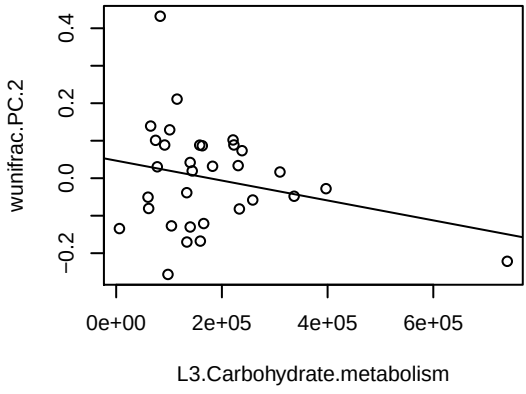
L3.Carbohydrate.digestion.and.absorption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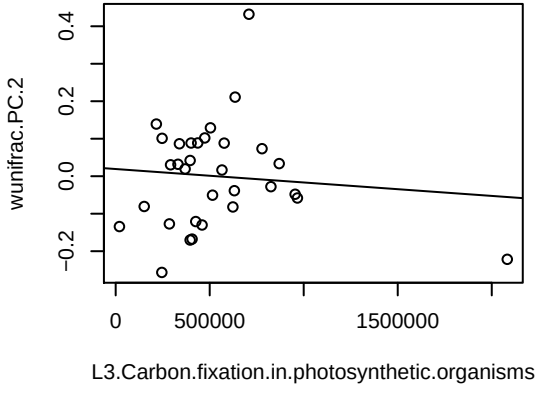
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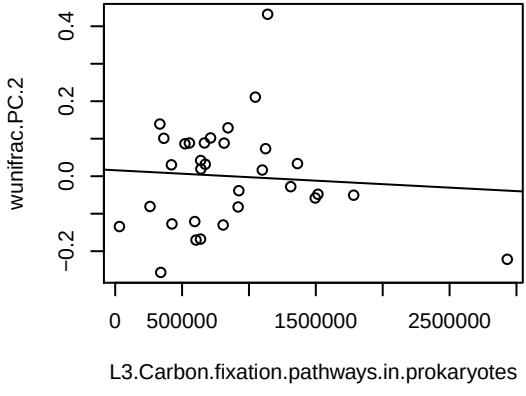
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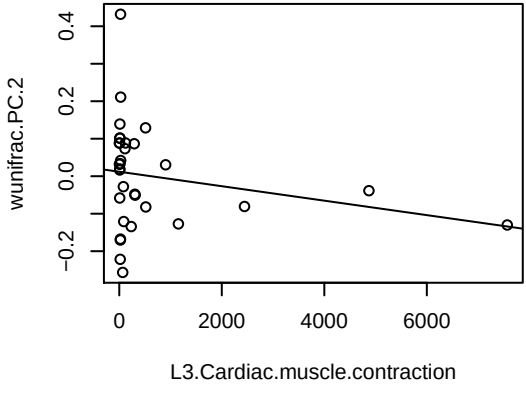
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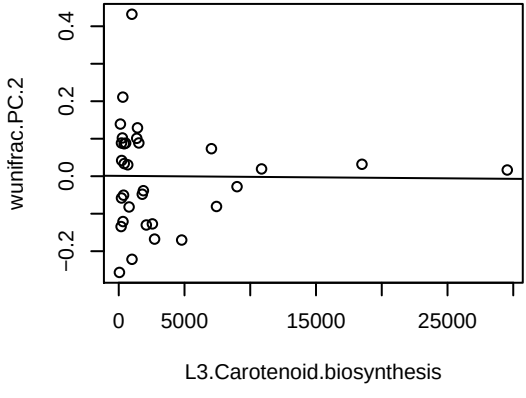
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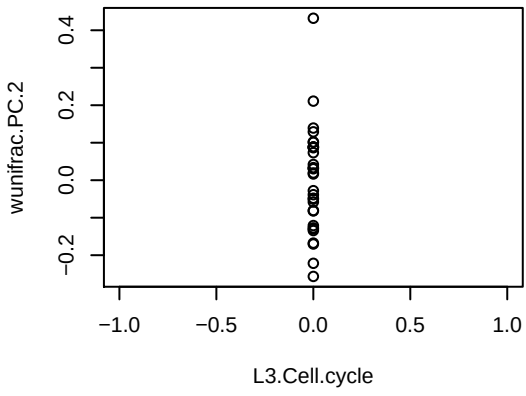
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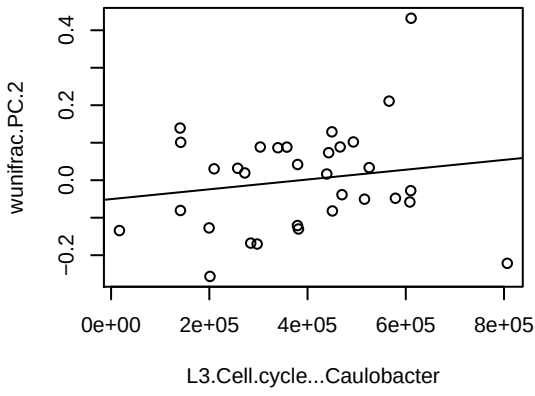
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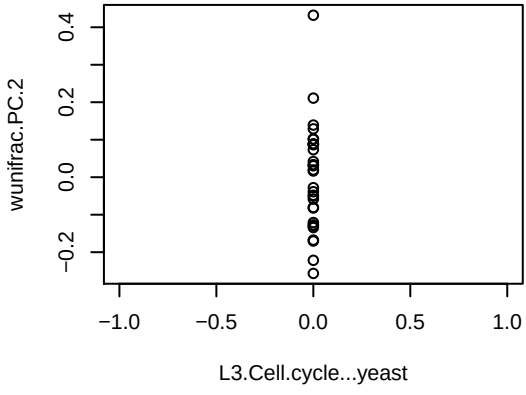
L3.Cell.cycle...Caulobacter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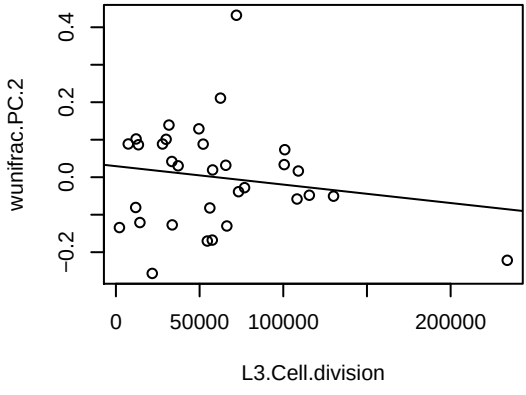
L3.Cell.cycle...yeast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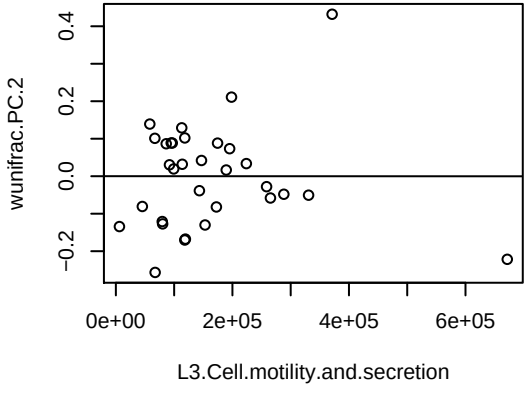
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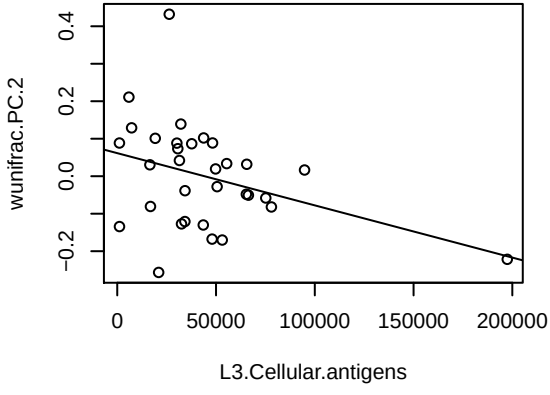
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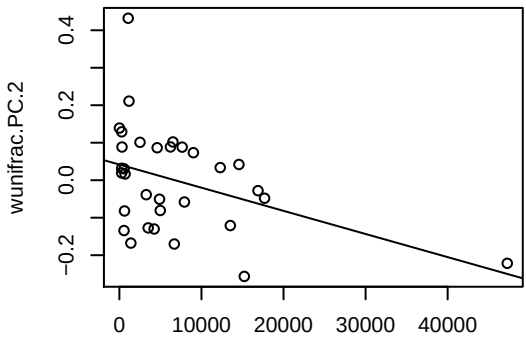
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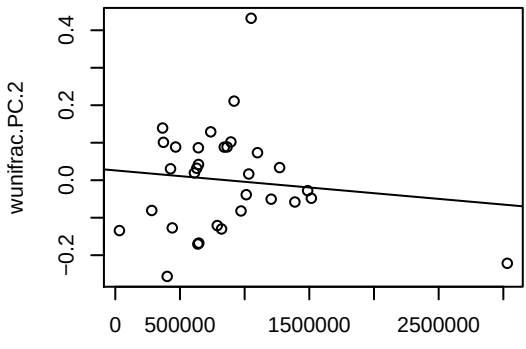
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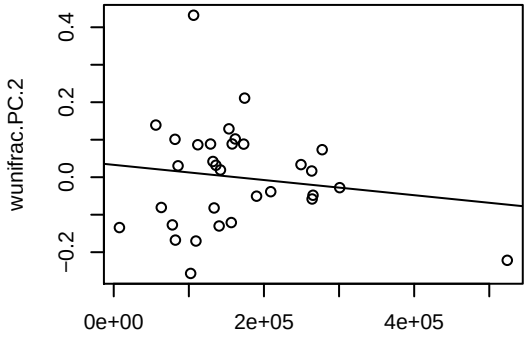
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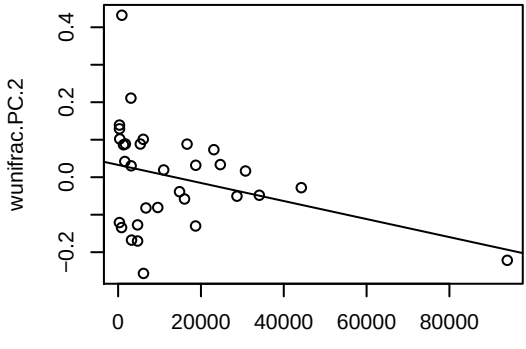
L3.Chloroalkane.and.chloroalkene.degradation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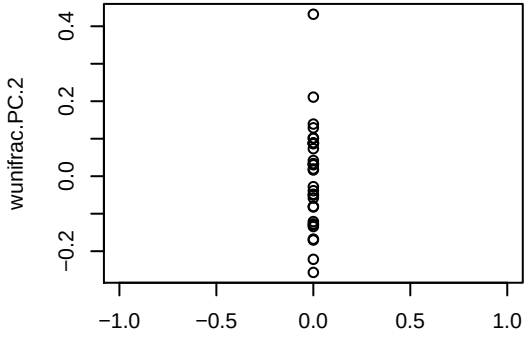
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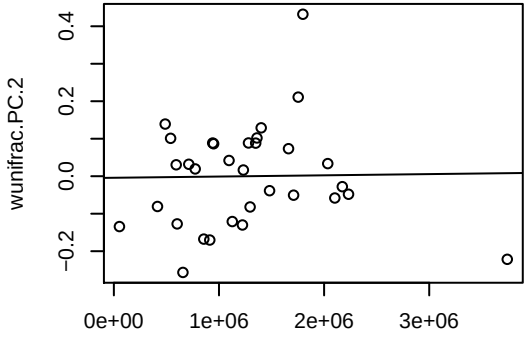
L3.Cholinergic.synapse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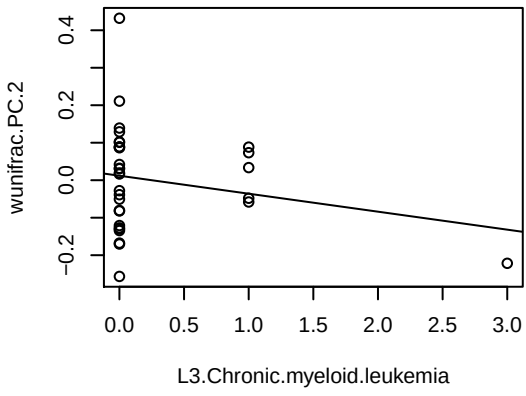
L3.Chromosome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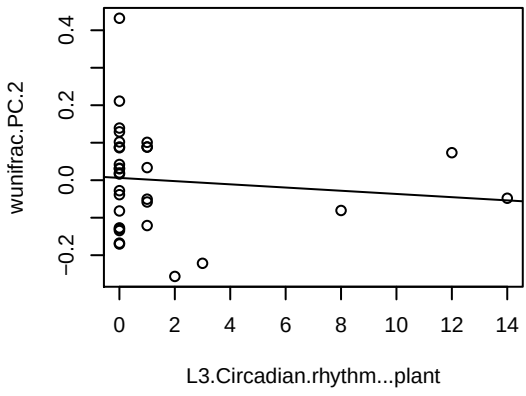
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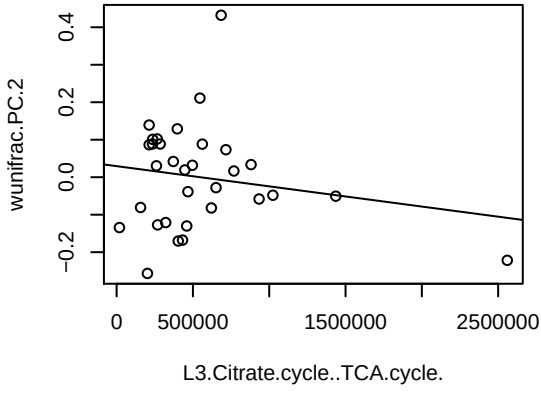
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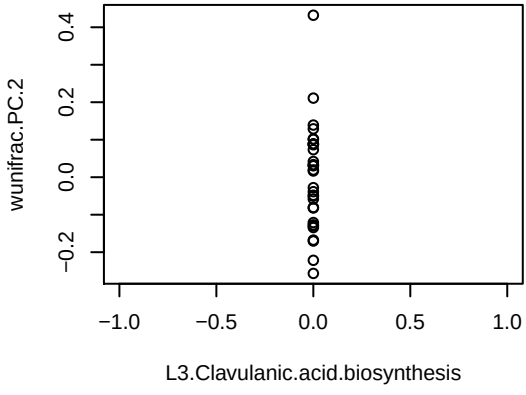
L3.Citrate.cycle..TCA.cycle.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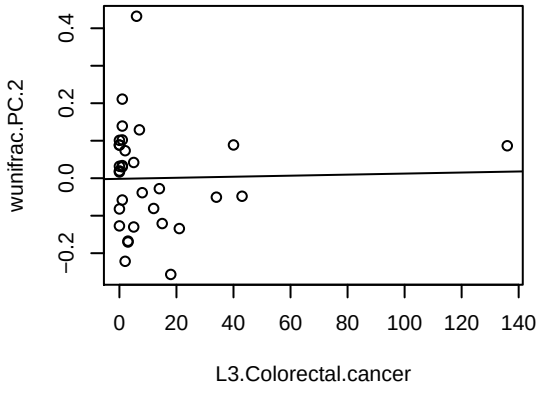
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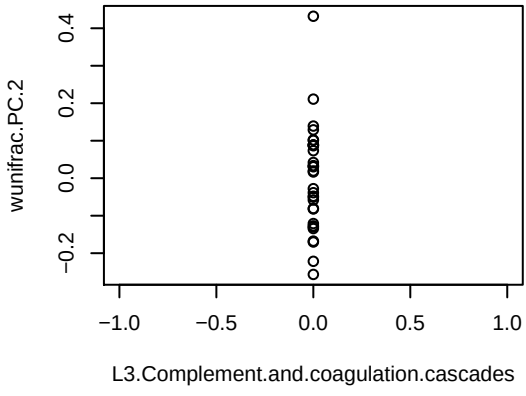
L3.Colorectal.cancer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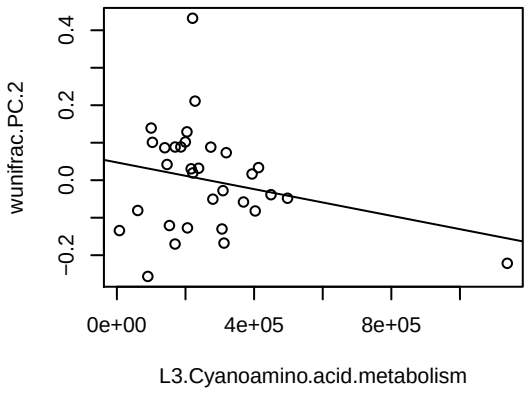
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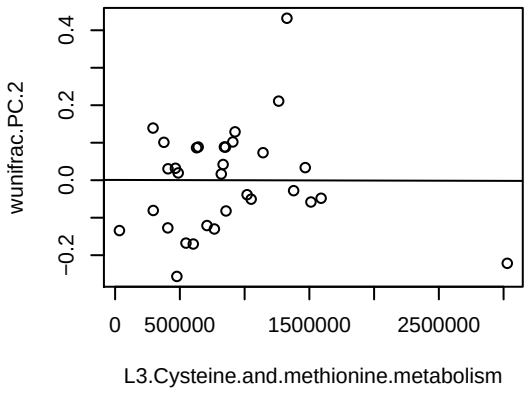
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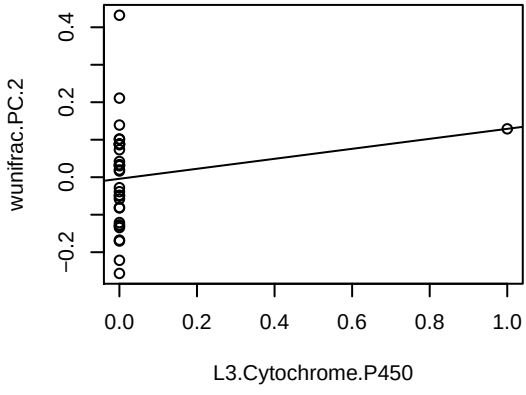
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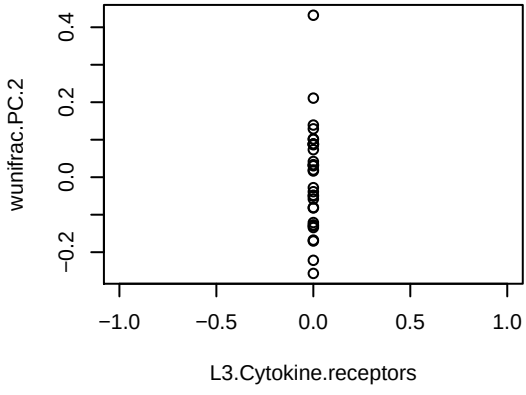
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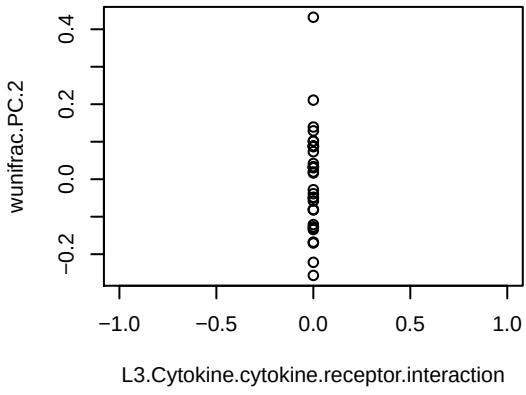
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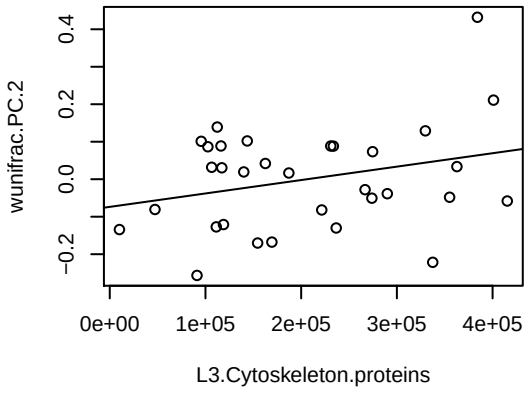
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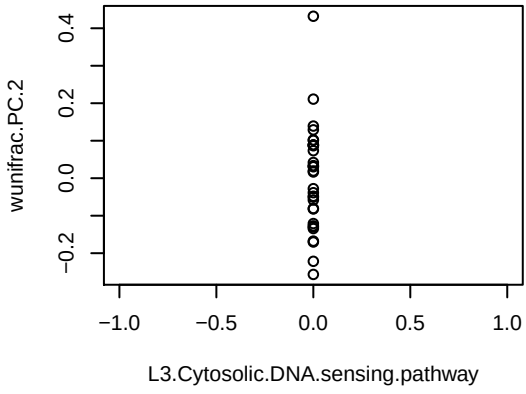
L3.Cytoskeleton.proteins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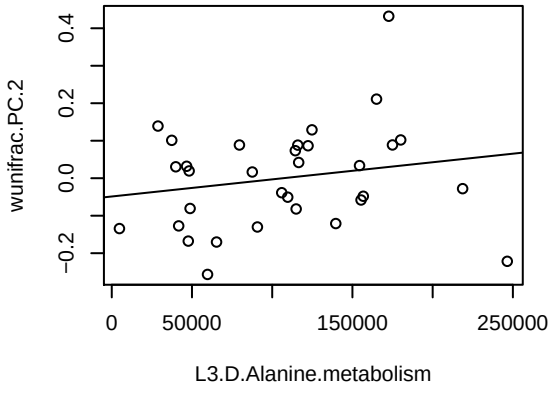
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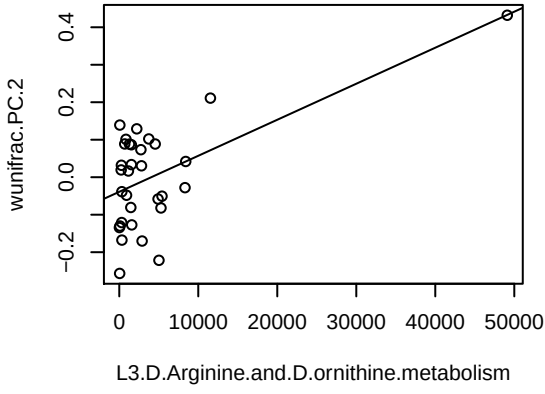
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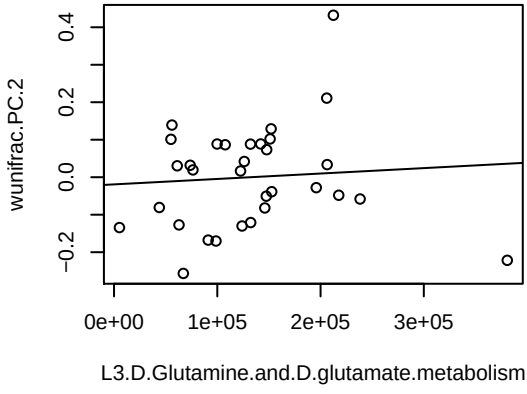
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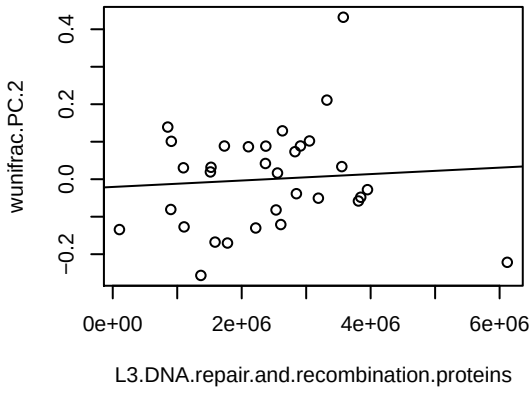
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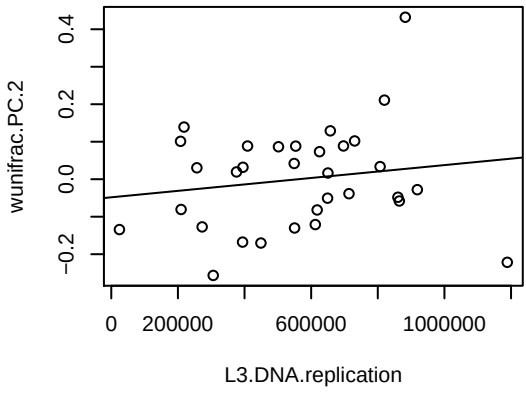
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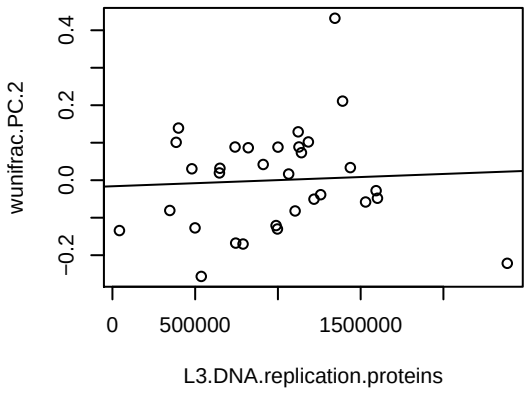
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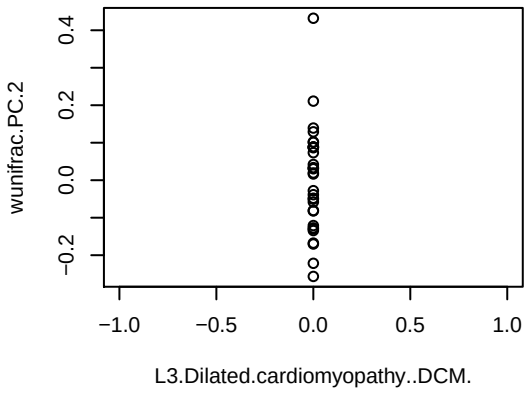
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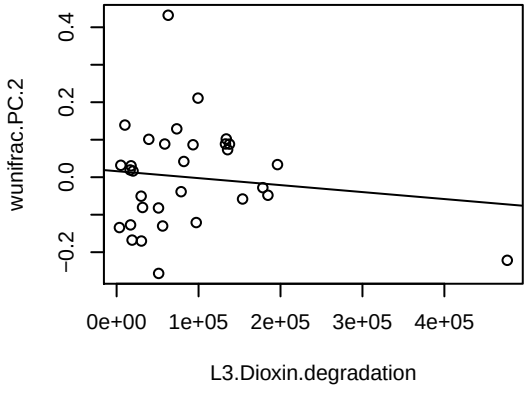
L3.Dilated.cardiomyopathy..DCM.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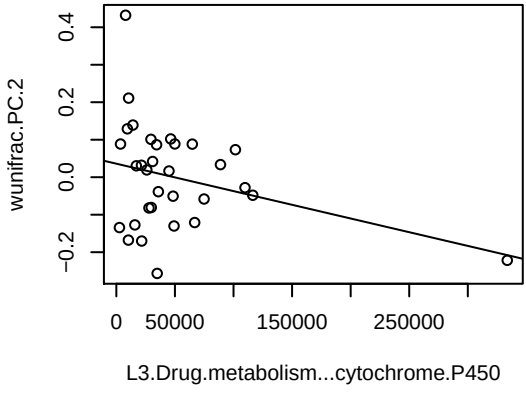
L3.Dioxin.degradation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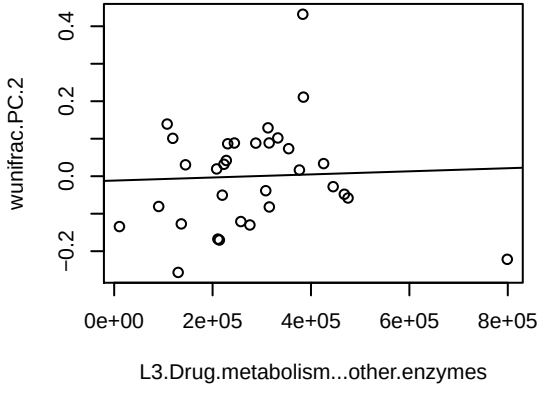
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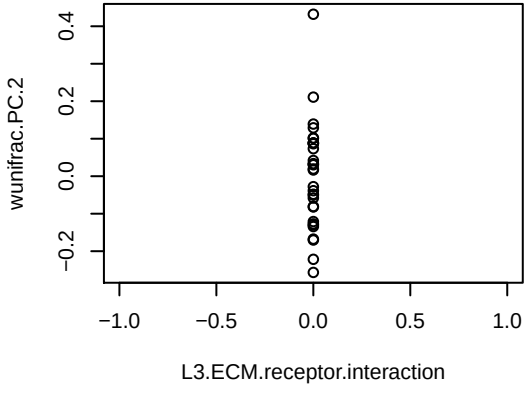
L3.Drug.metabolism...other.enzymes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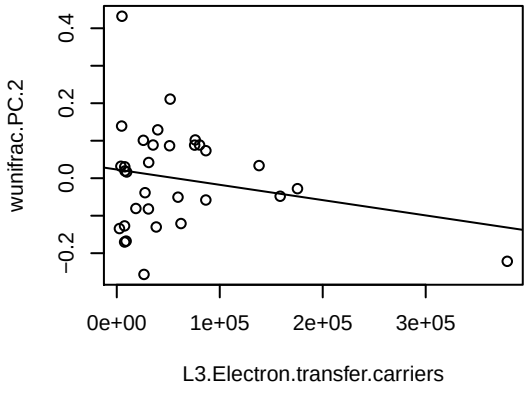
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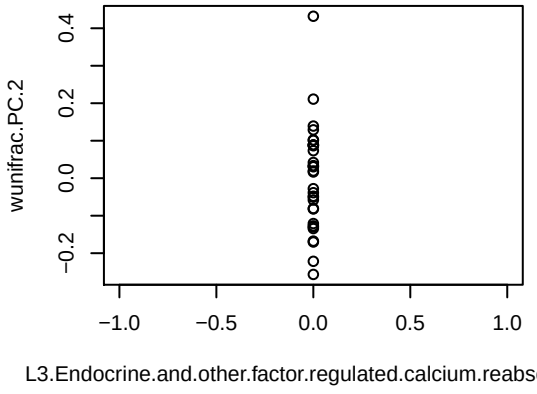
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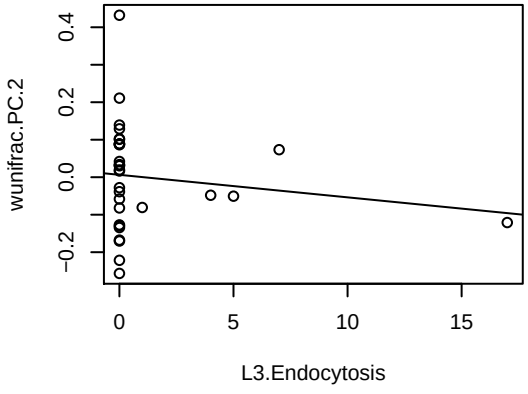
L3.Endocrine.and.other.factor.regulated.calcium.reabsorpti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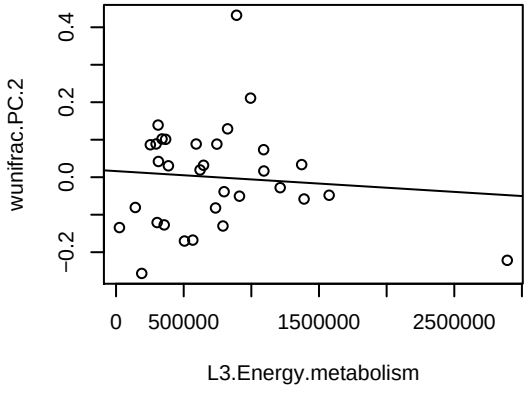
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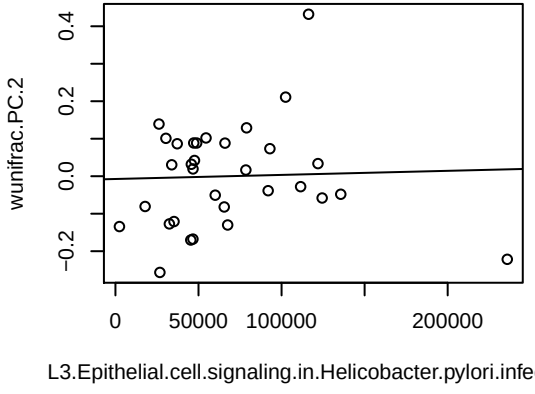
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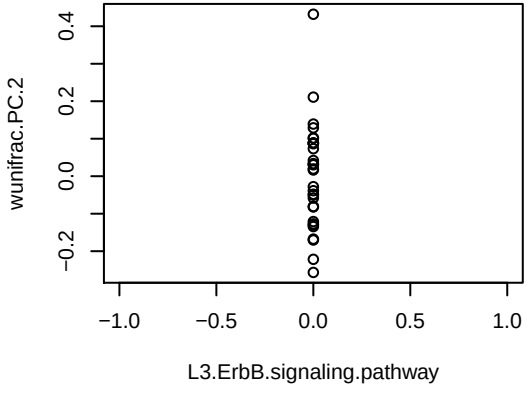
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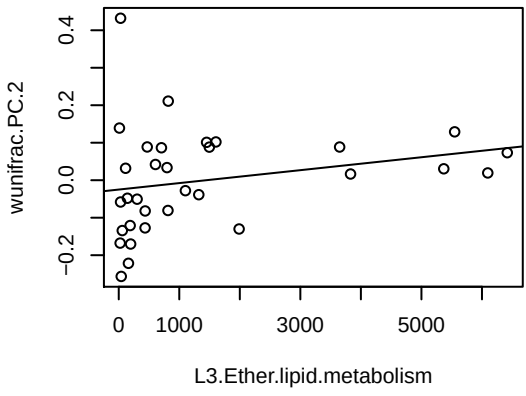
L3.ErbB.signaling.pathway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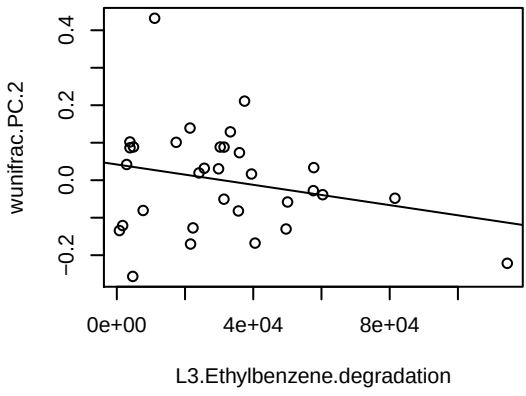
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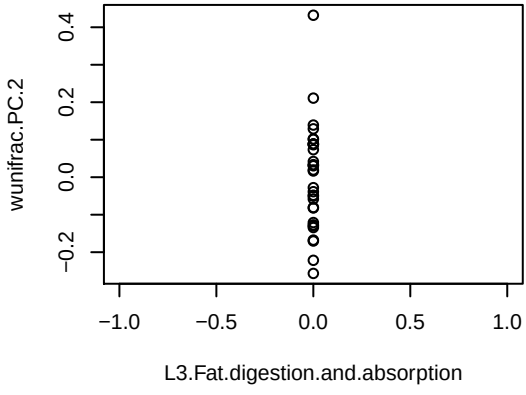
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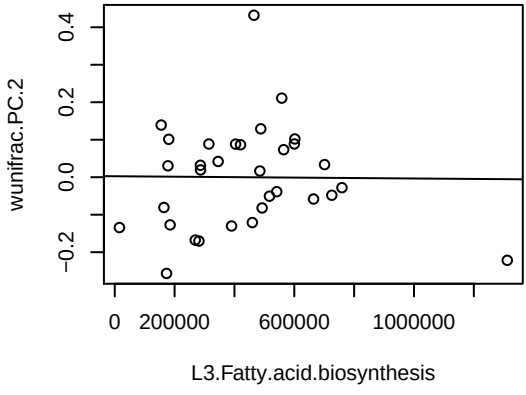
L3.Fat.digestion.and.absorption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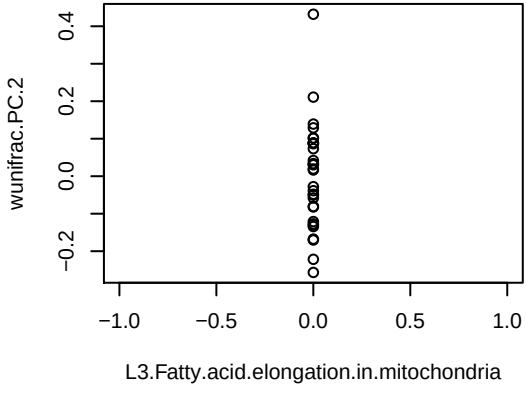
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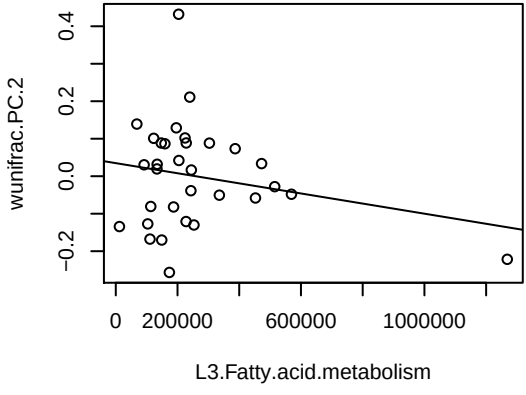
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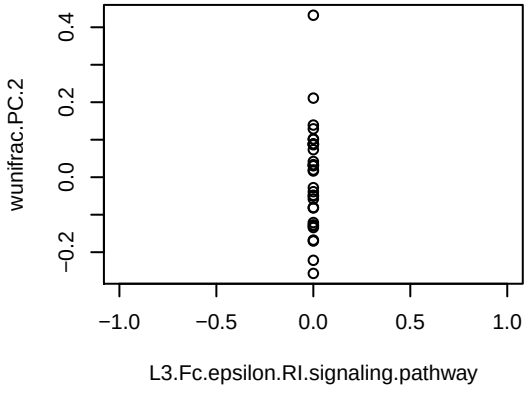
L3.Fatty.acid.metabolism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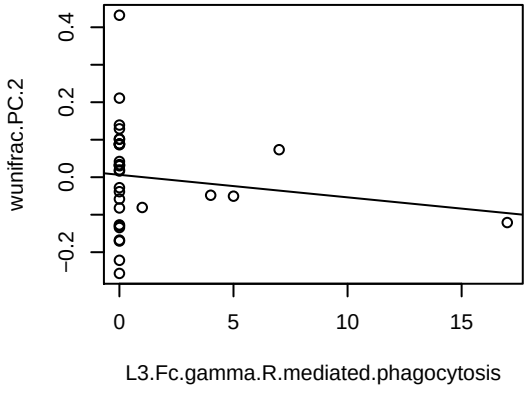
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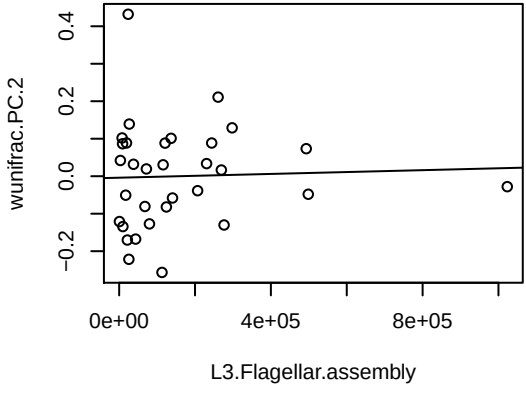
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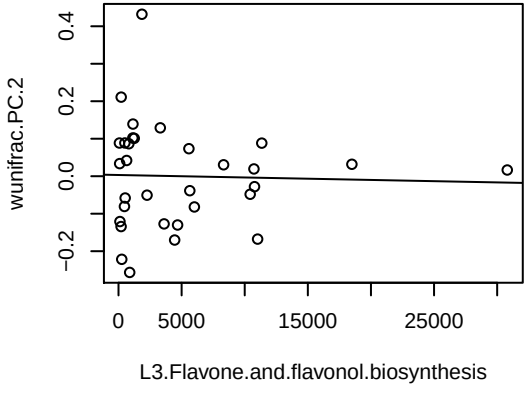
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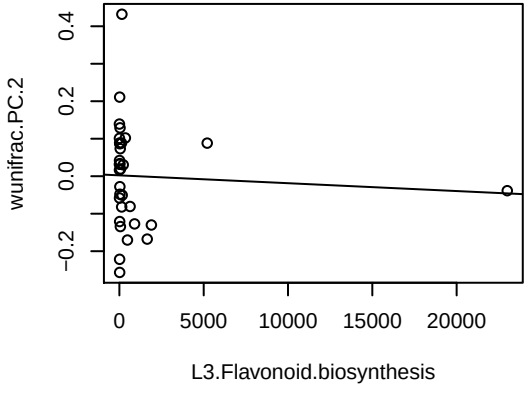
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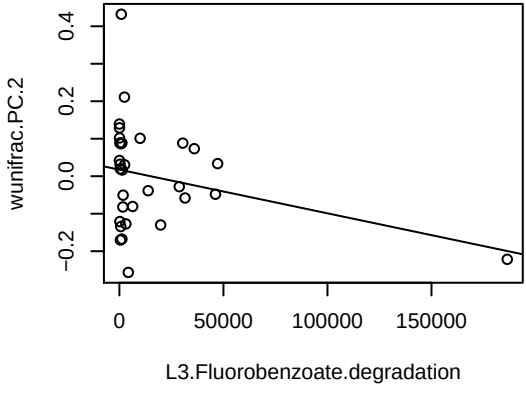
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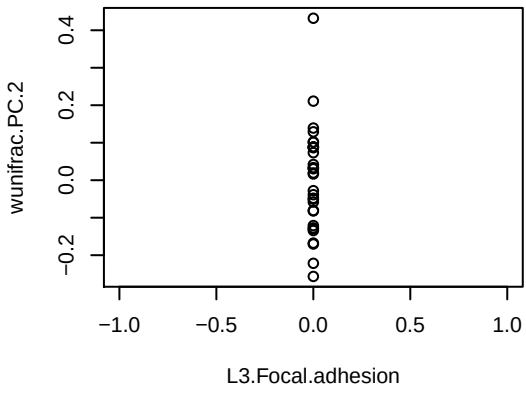
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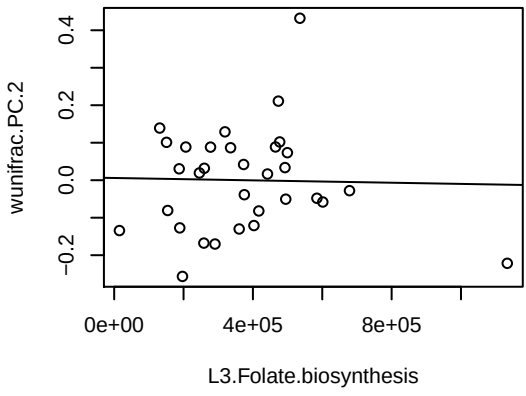
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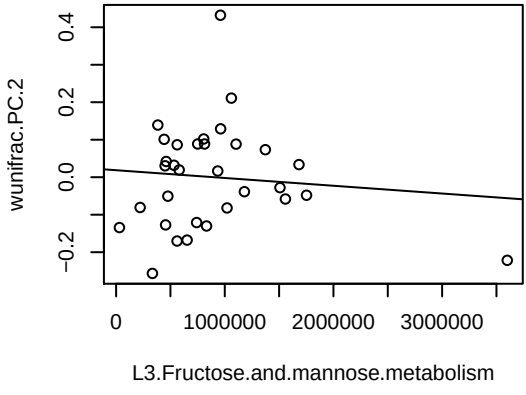
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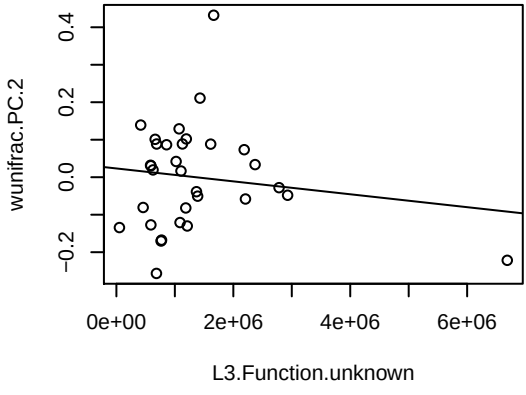
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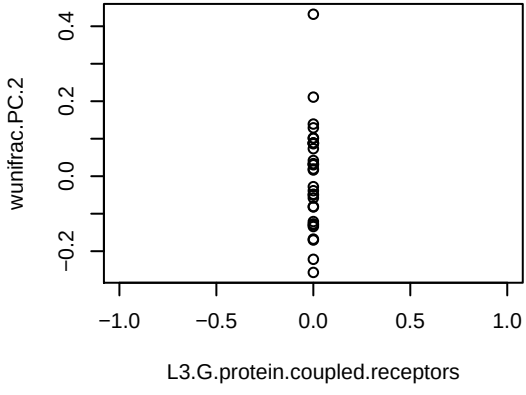
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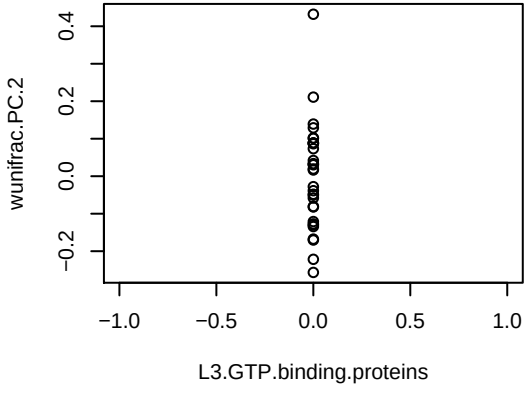
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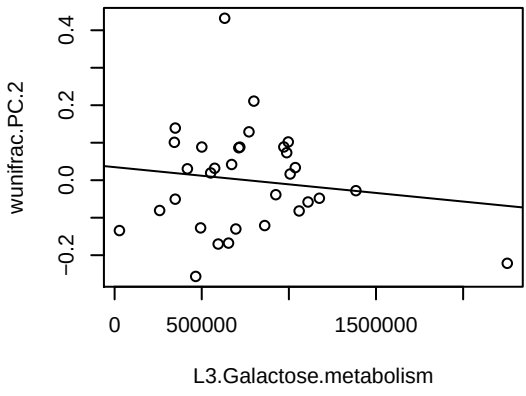
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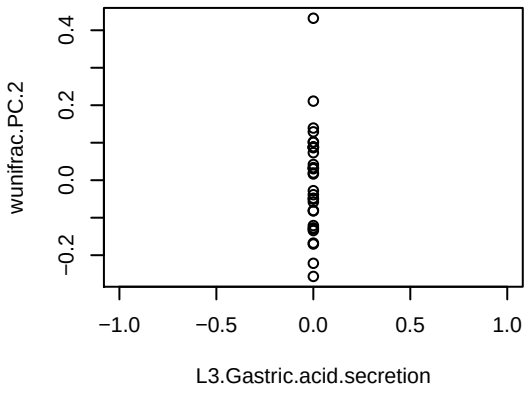
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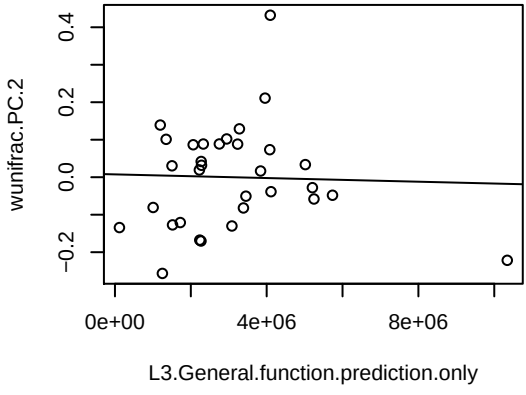
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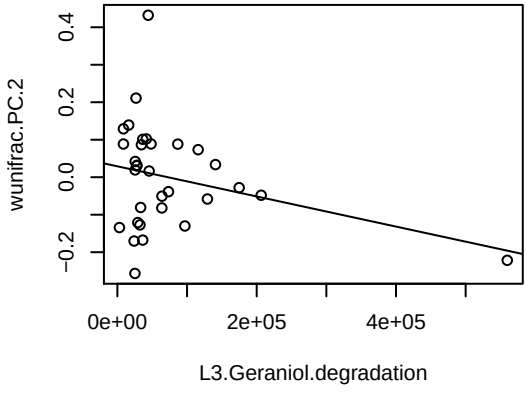
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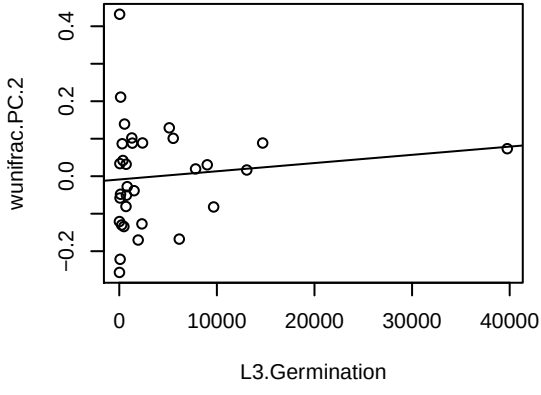
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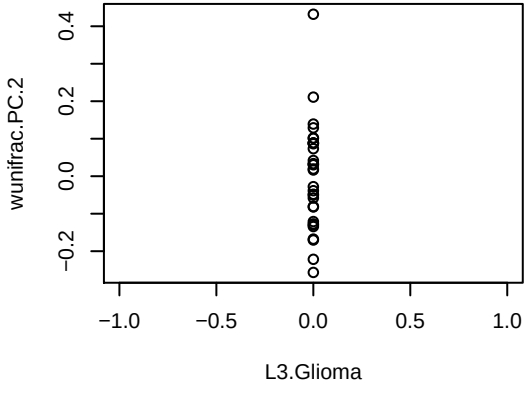
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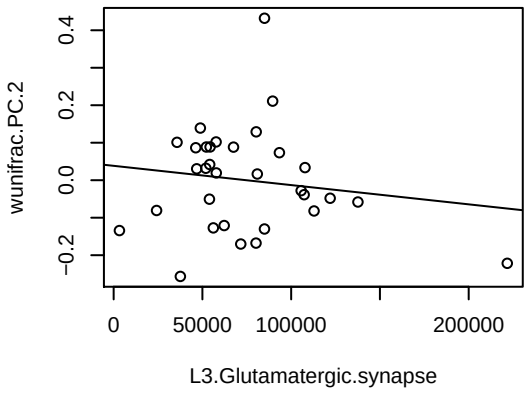
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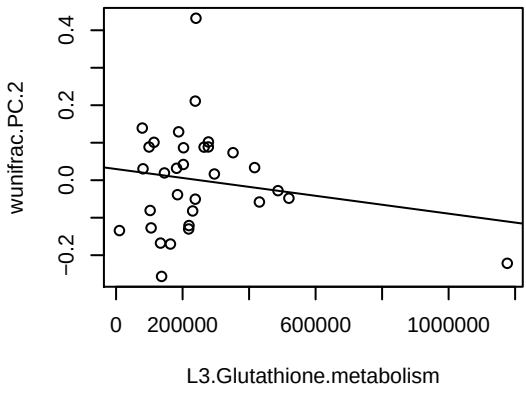
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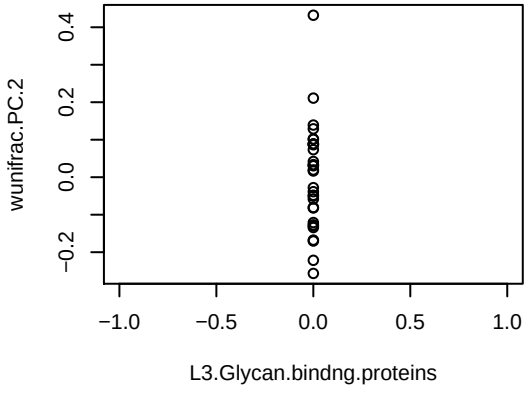
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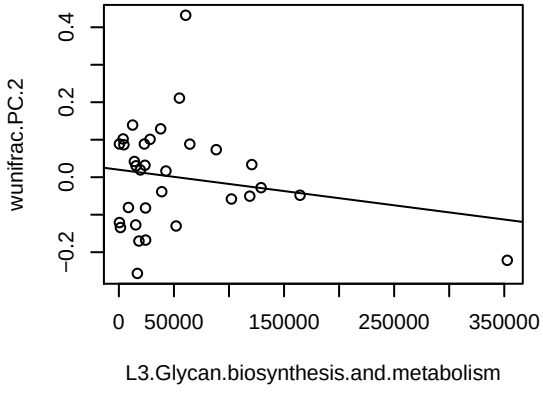
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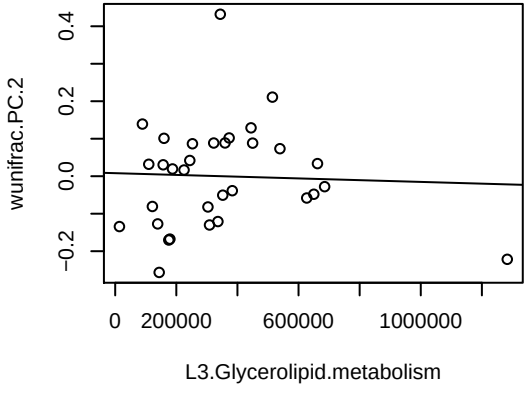
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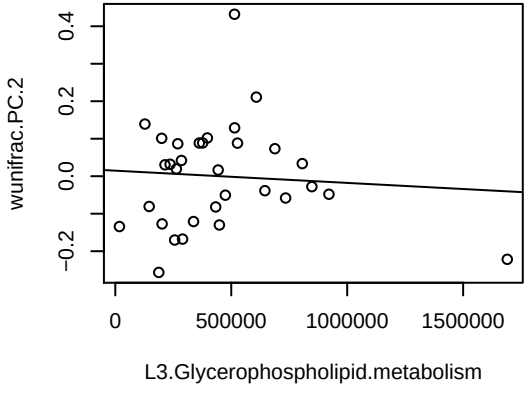
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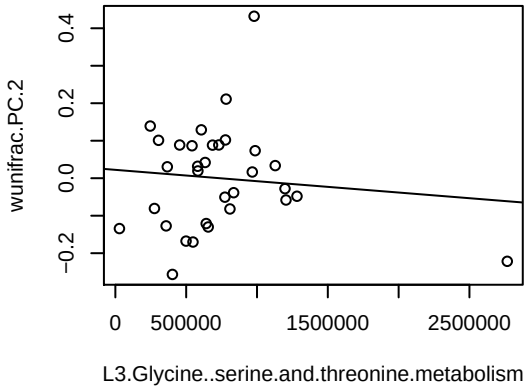
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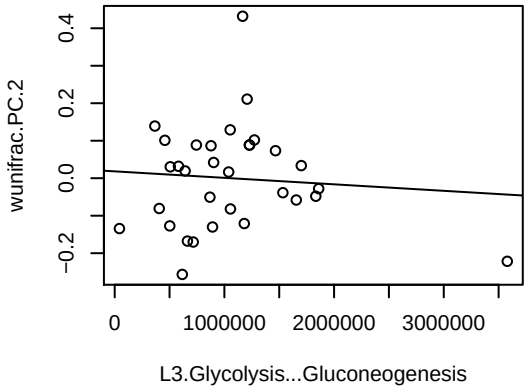
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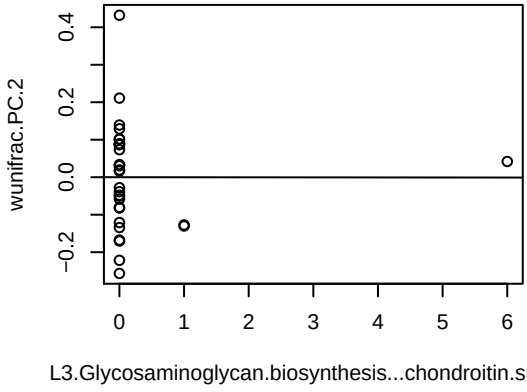
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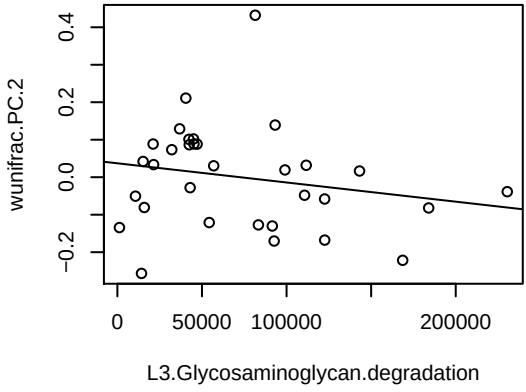
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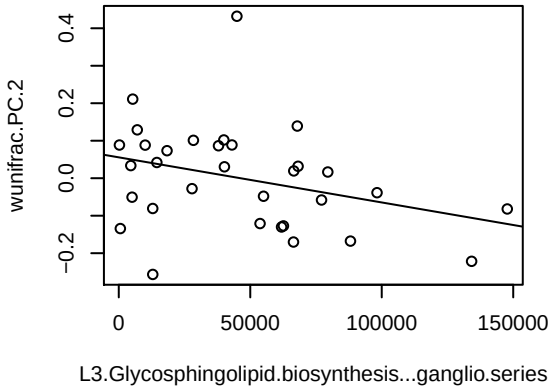
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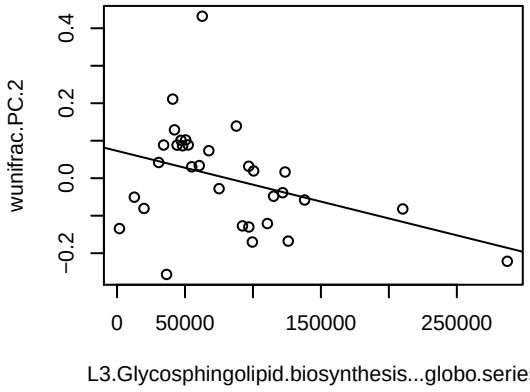
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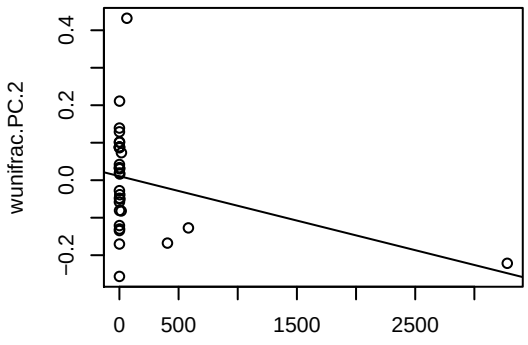

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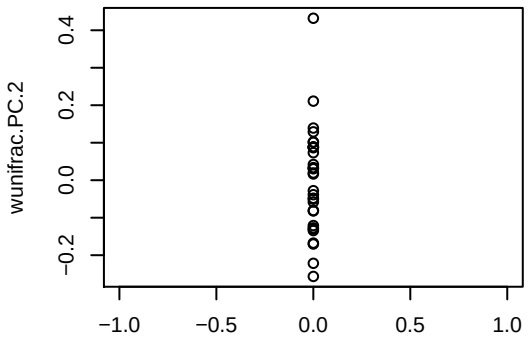

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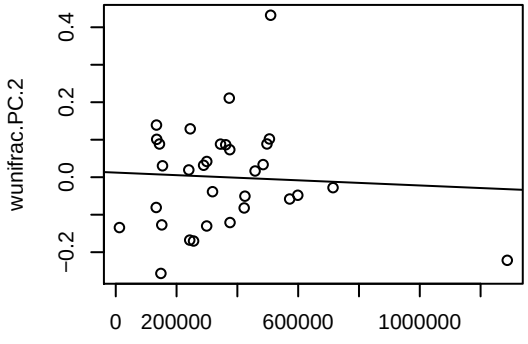
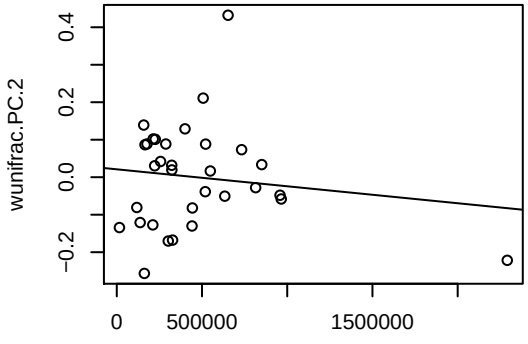
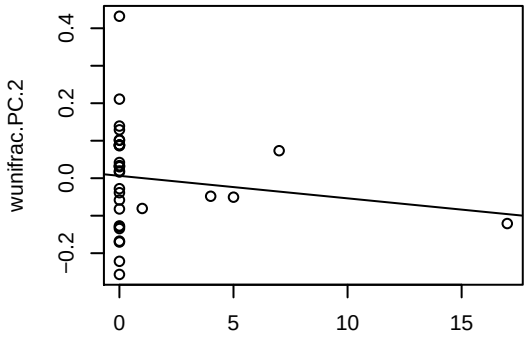


L3.Glycosyltransferases



L3.Glyoxylate.and.dicarboxylate.metabolism



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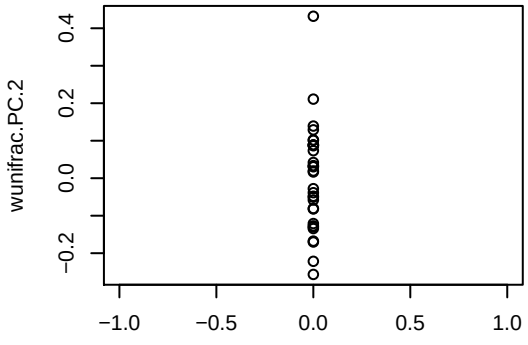
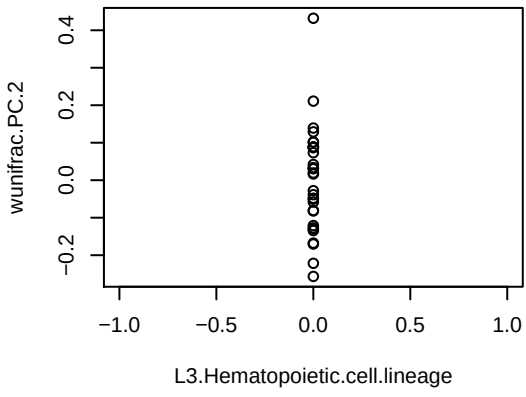


L3.Hedgehog.signaling.pathway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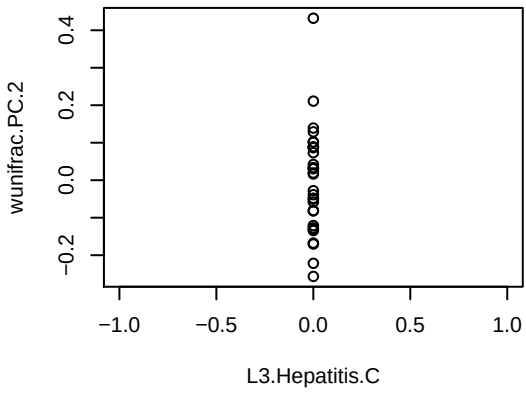
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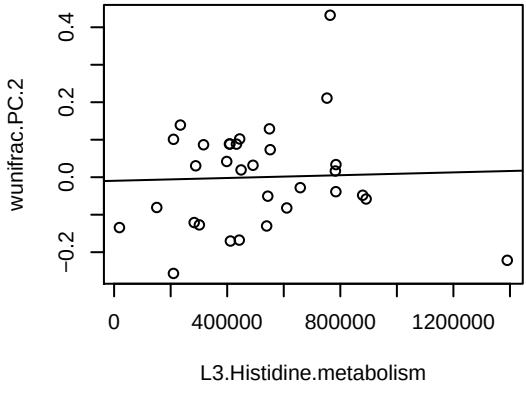
L3.Hepatitis.C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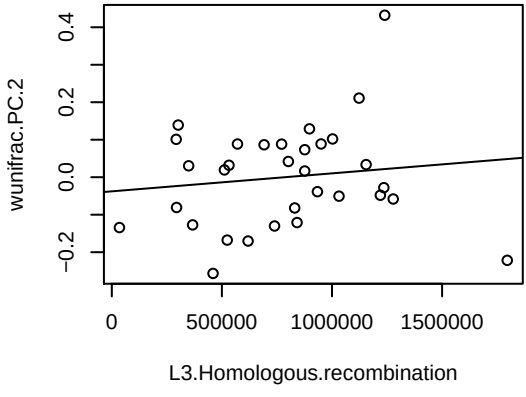
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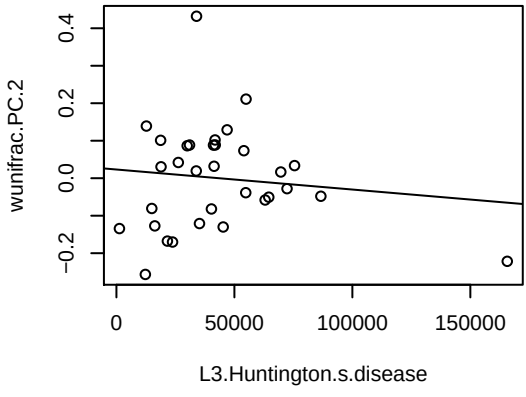
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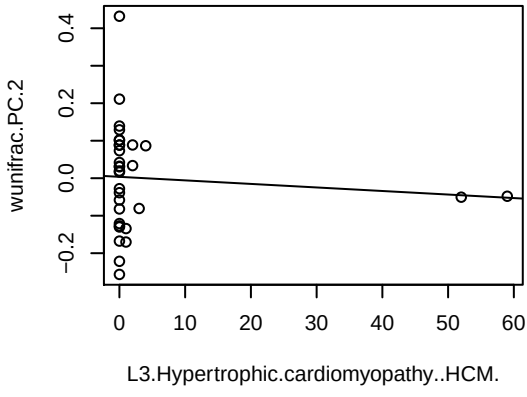
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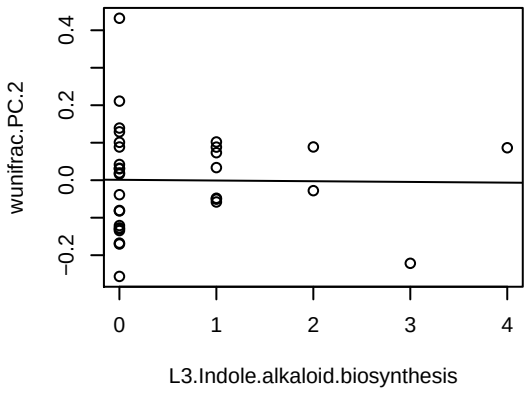
L3.Hypertrophic.cardiomyopathy..HCM.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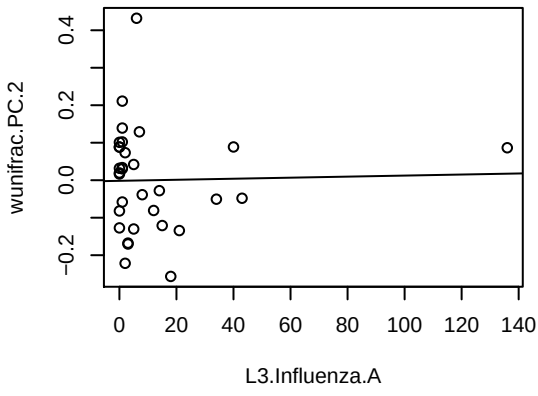
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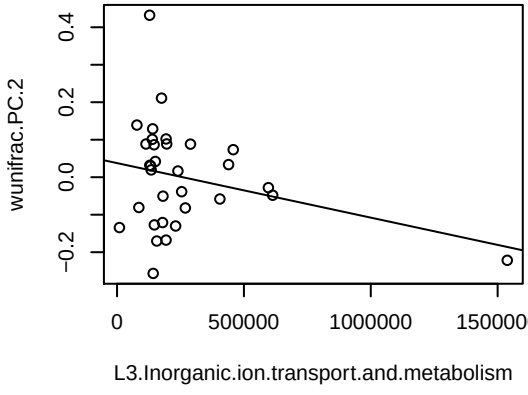
L3.Influenza.A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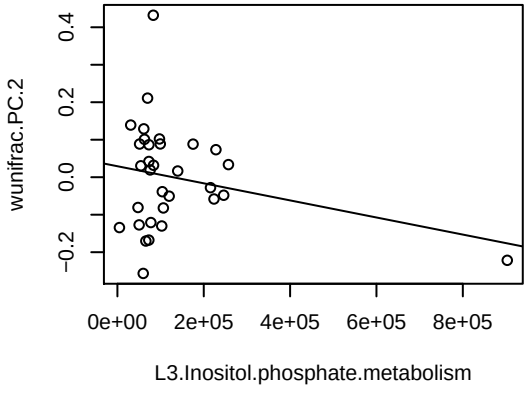
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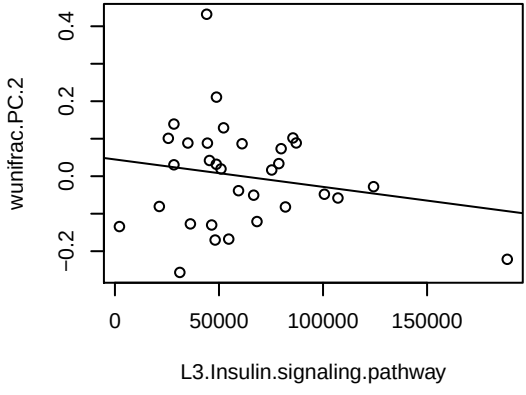
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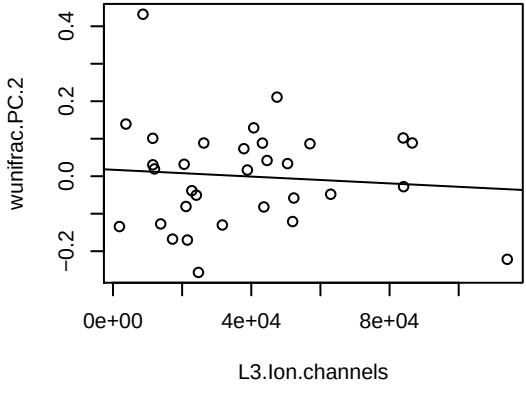
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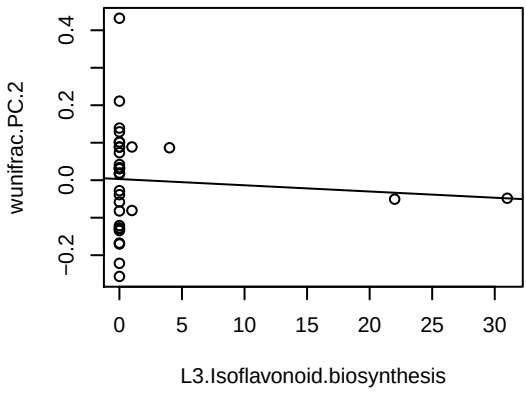
L3.Ion.channels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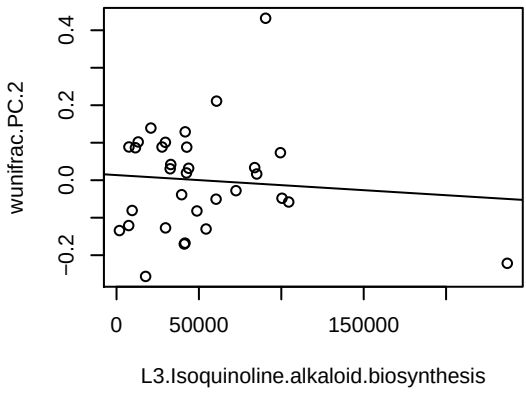
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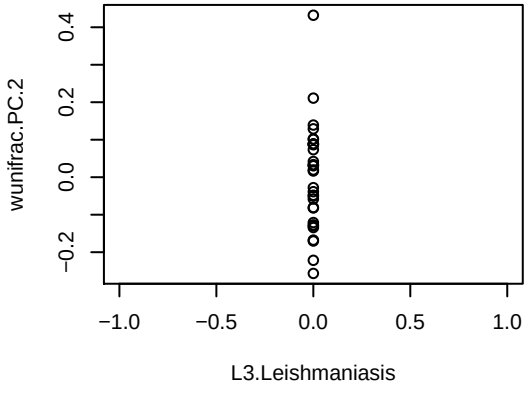
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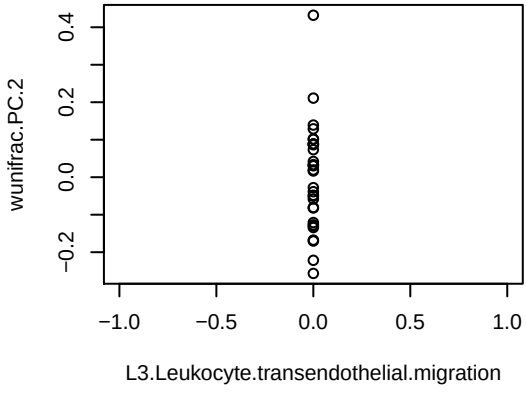
L3.Leishmaniasis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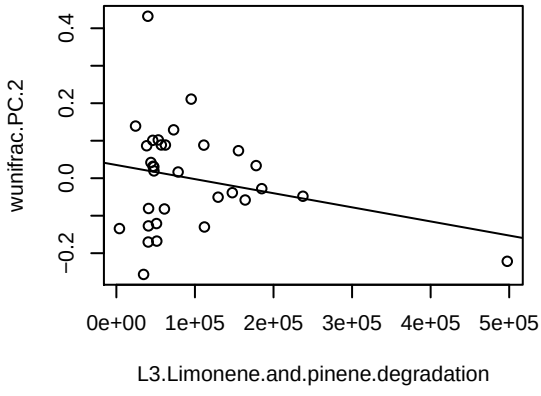
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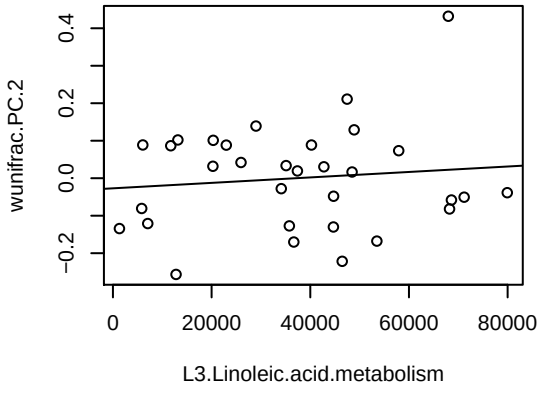
L3.Limonene.and.pinene.degradation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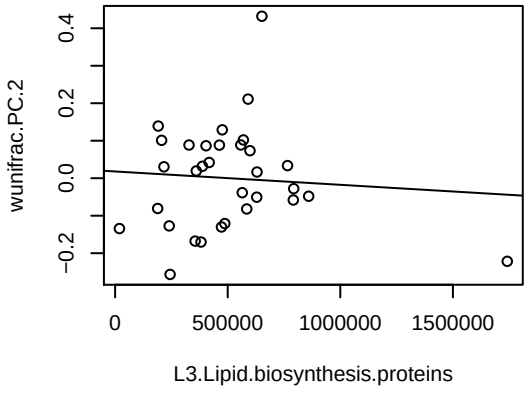
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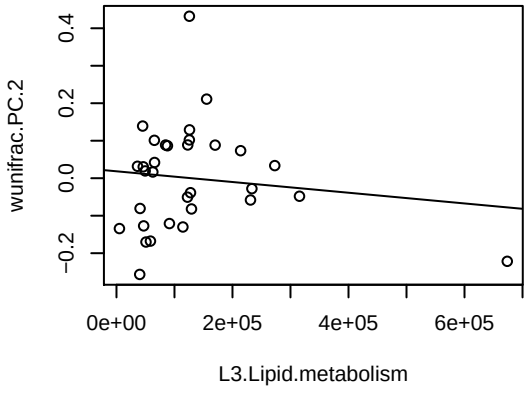
L3.Lipid.biosynthesis.proteins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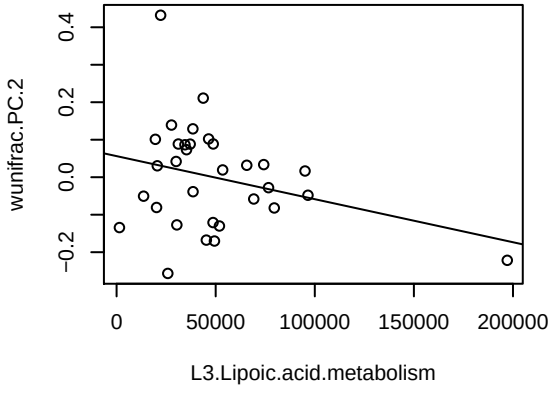
L3.Lipid.metabolism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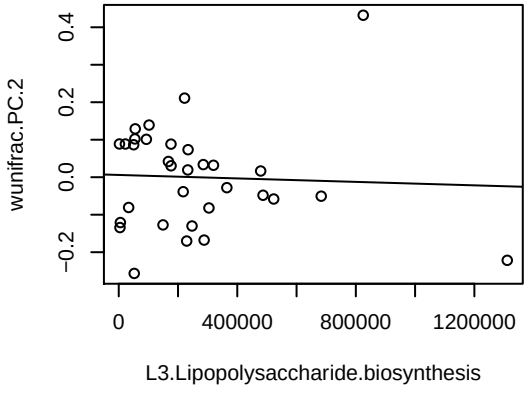
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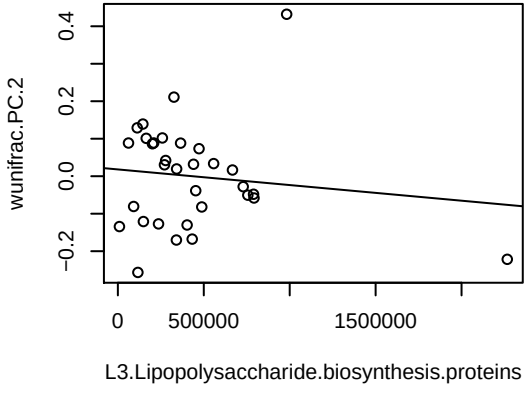
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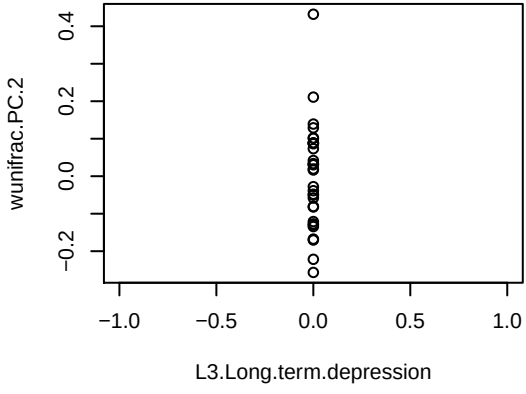
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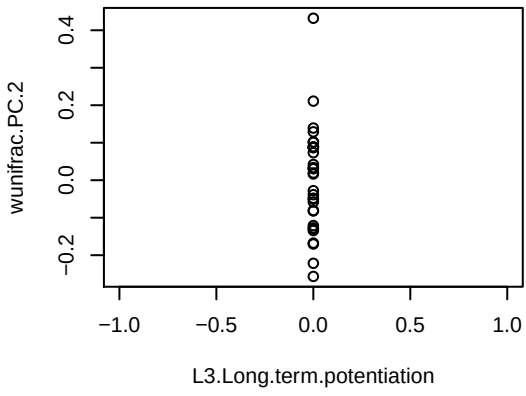
L3.Long.term.depression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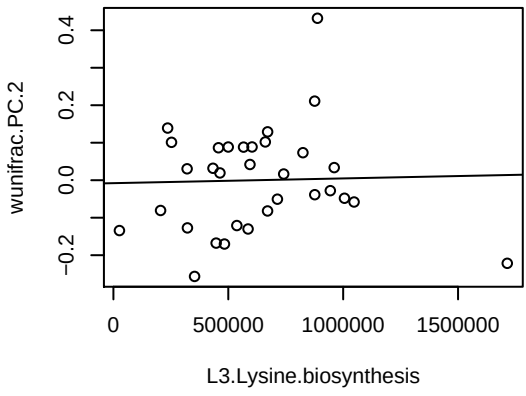
L3.Long.term.potentiation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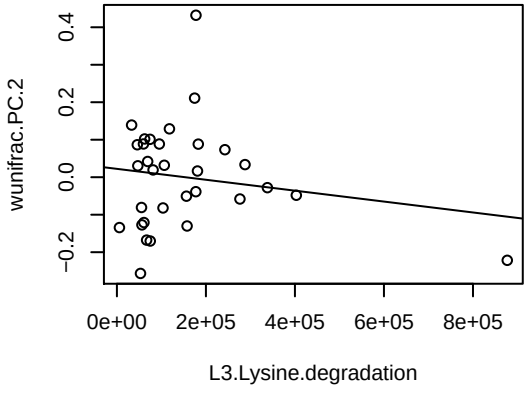
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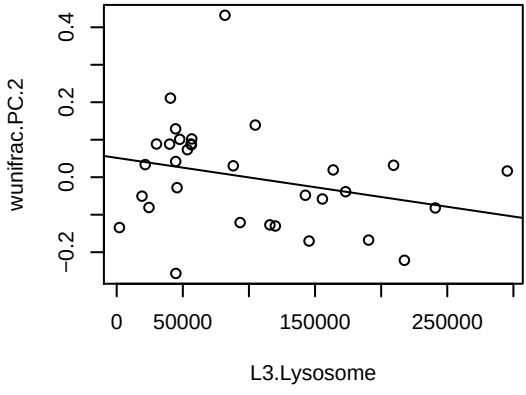
L3.Lysine.degradation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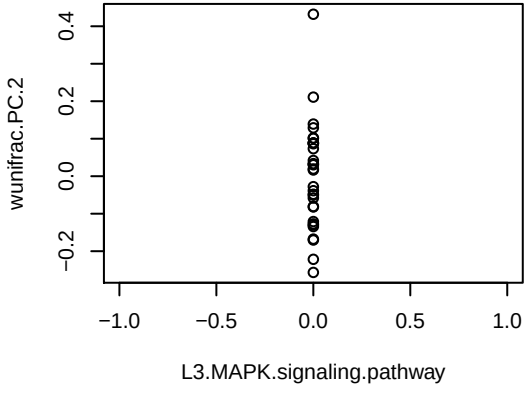
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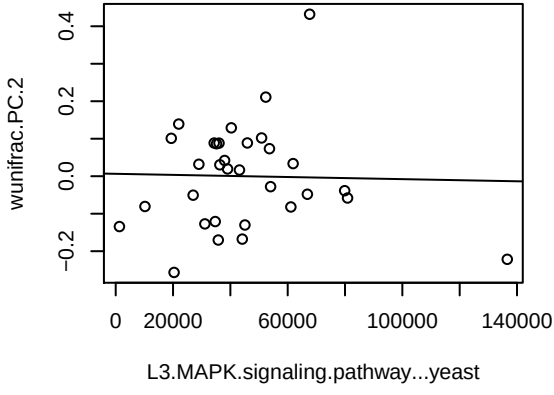
L3.MAPK.signaling.pathway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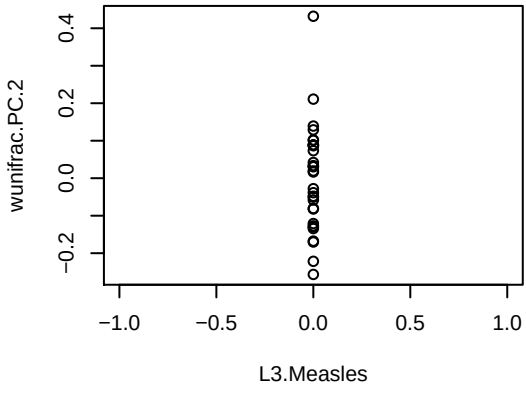
L3.MAPK.signaling.pathway...yeast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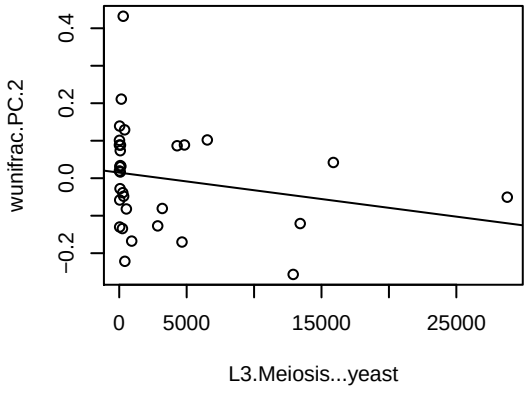
L3.Measles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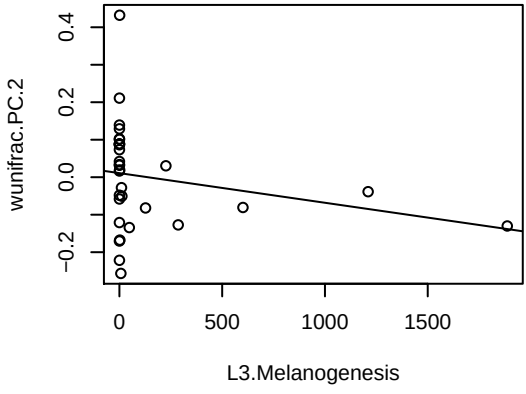
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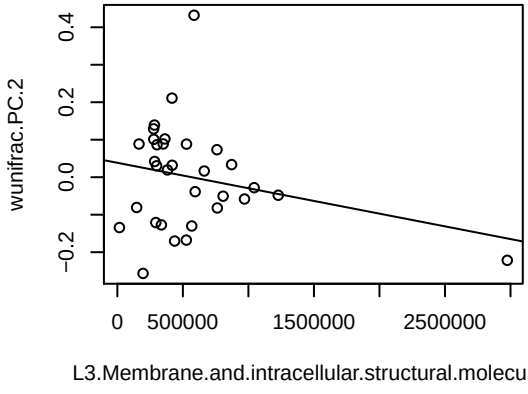
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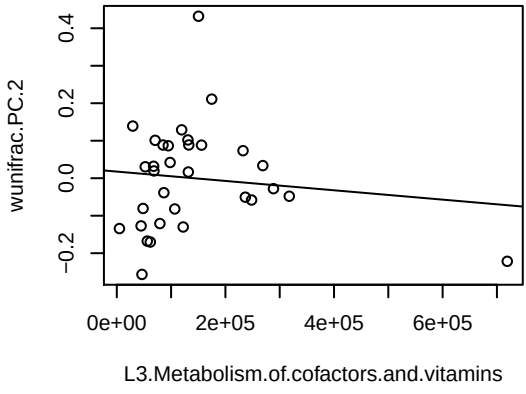
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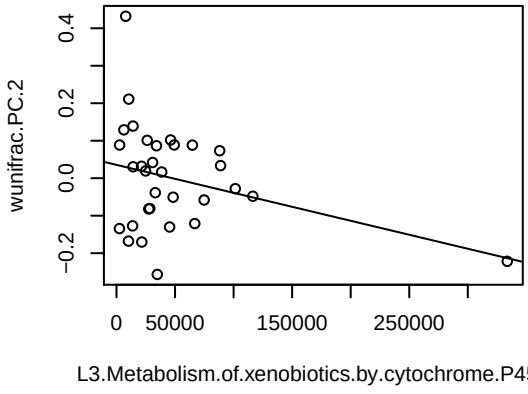
L3.Metabolism.of.cofactors.and.vitamins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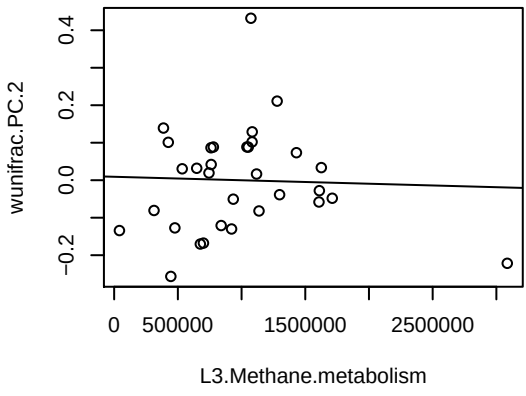
L3.Metabolism.of.xenobiotics.by.cytochrome.P450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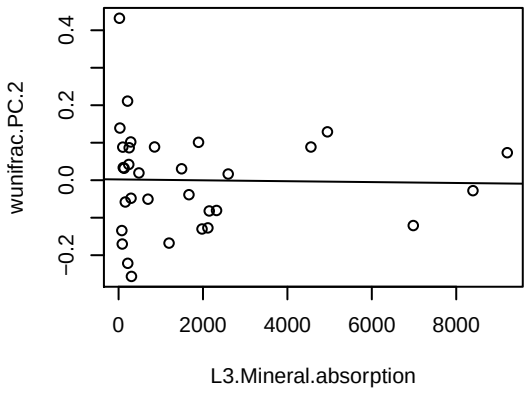
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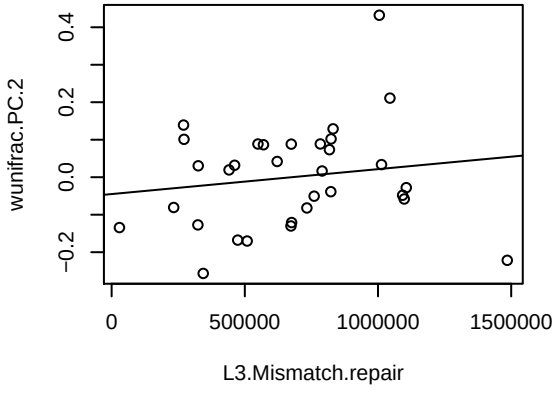
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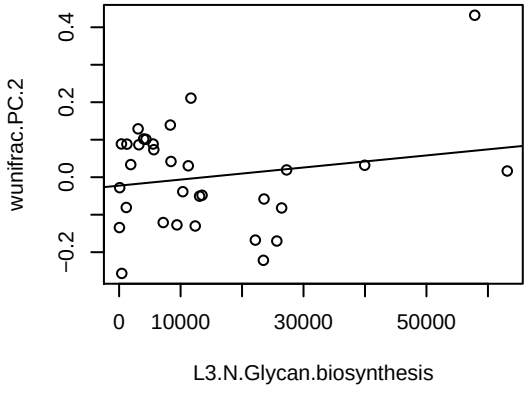
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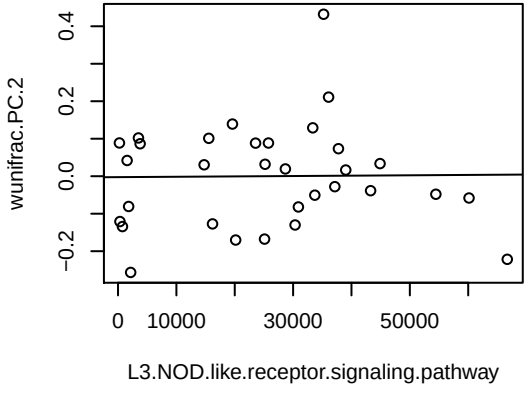
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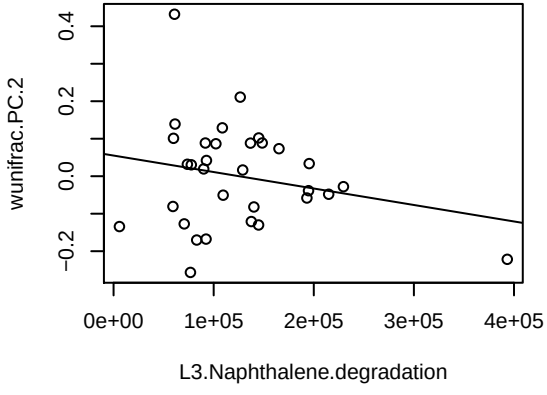
L3.NOD.like.receptor.signaling.pathway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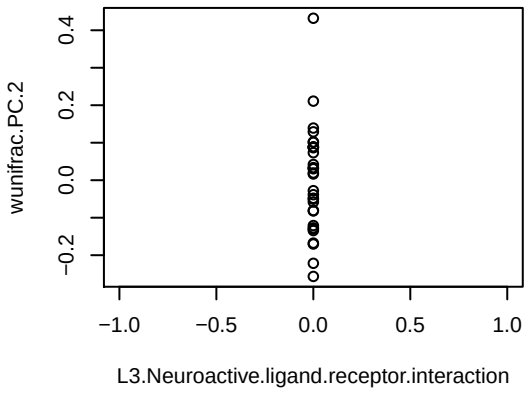
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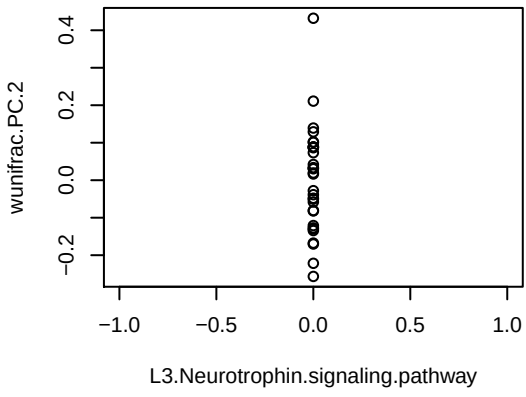
L3.Neuroactive.ligand.receptor.interaction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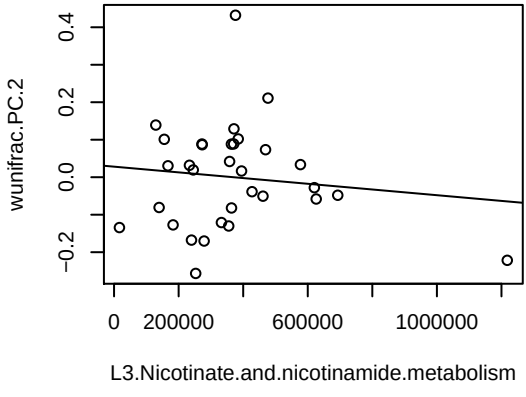
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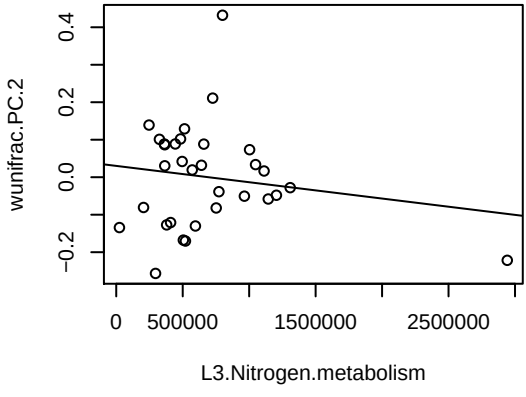
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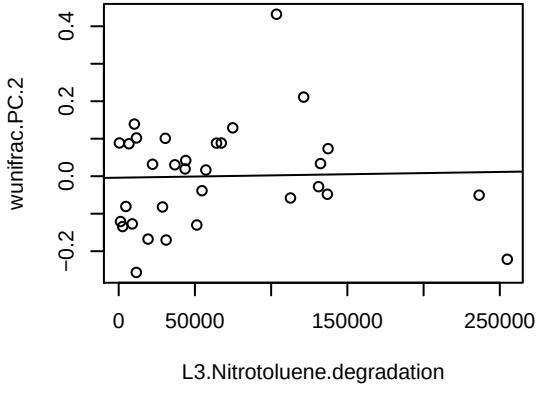
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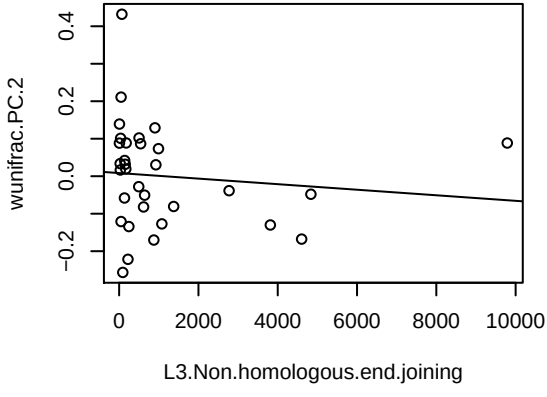
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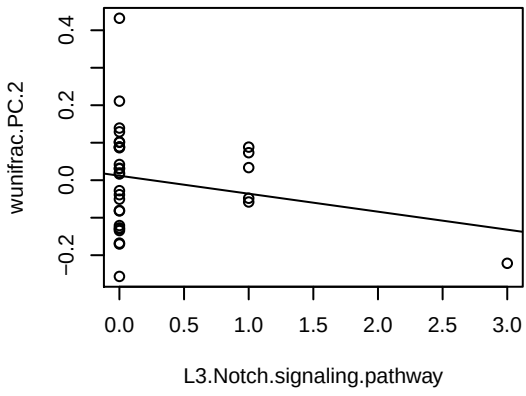
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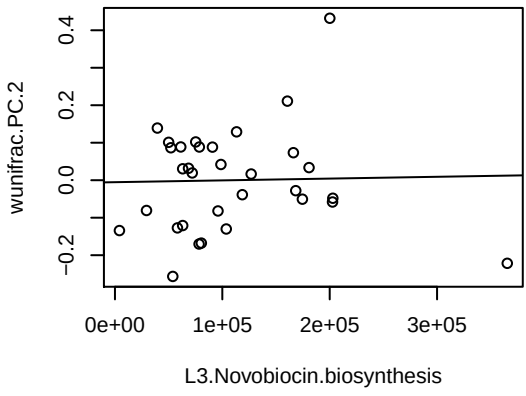
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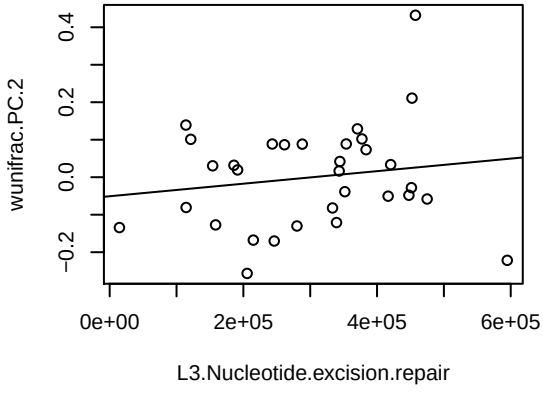
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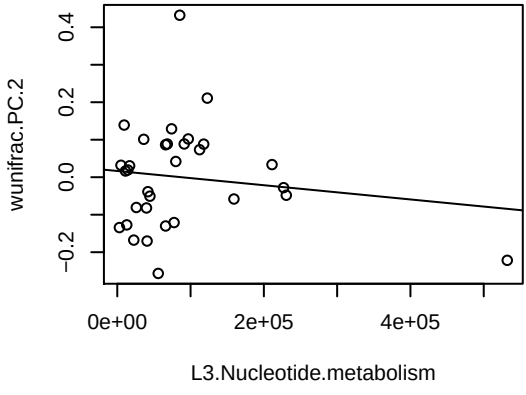
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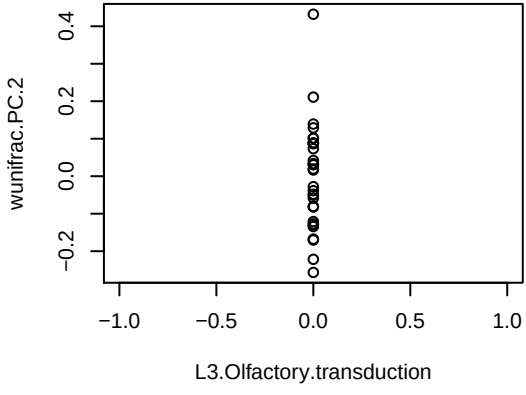
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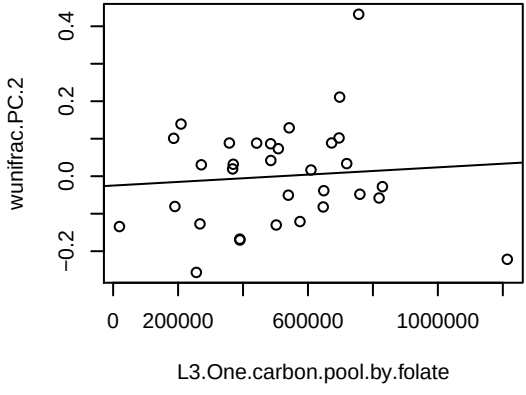
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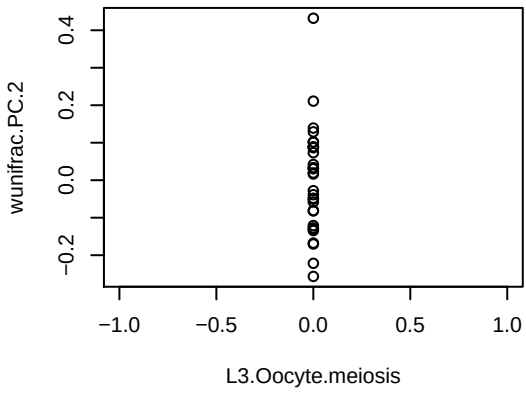
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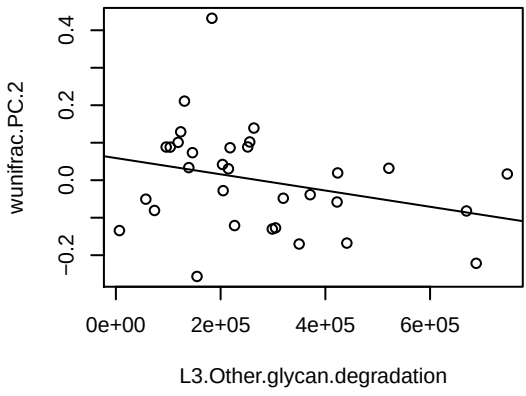
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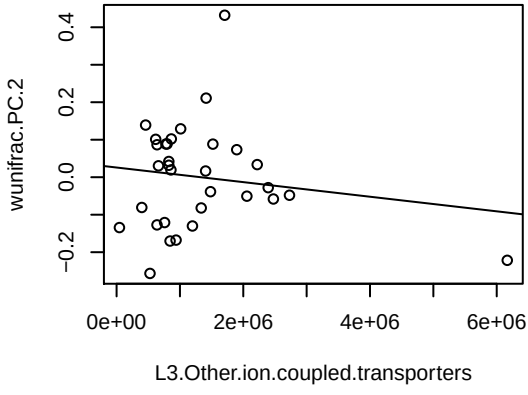
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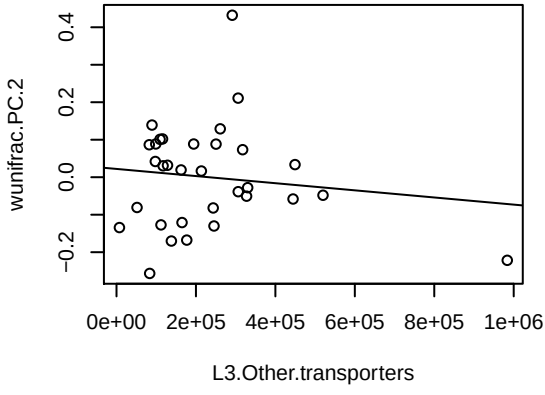
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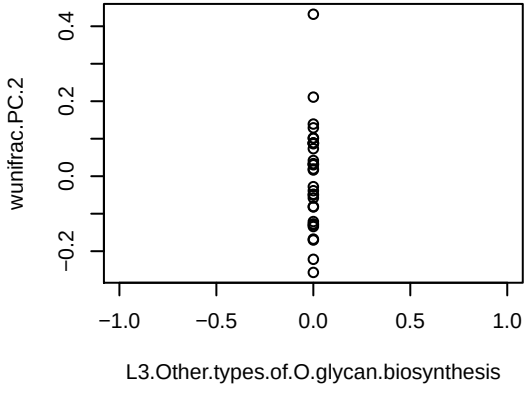
L3.Other.transporters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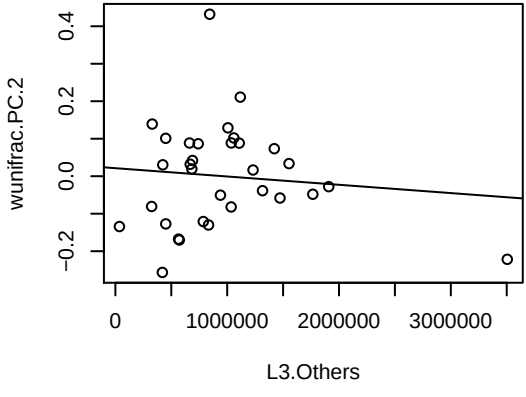
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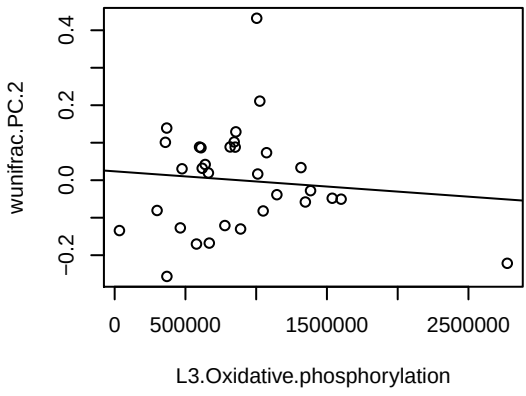
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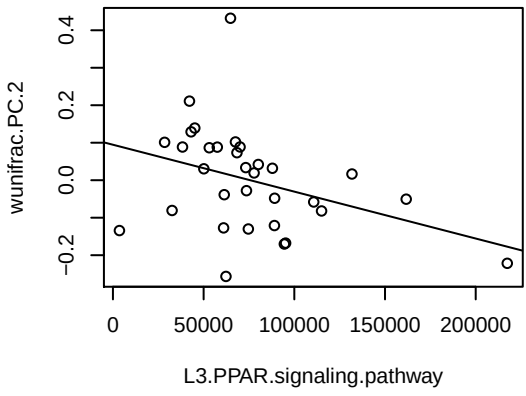
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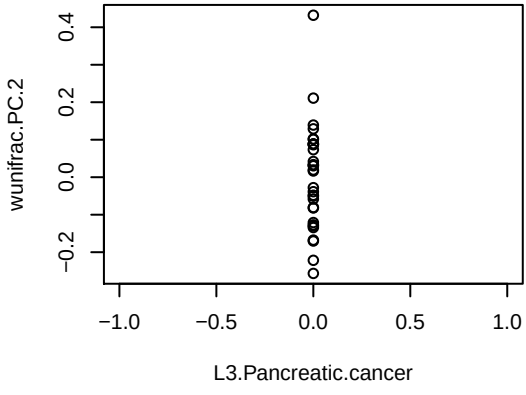
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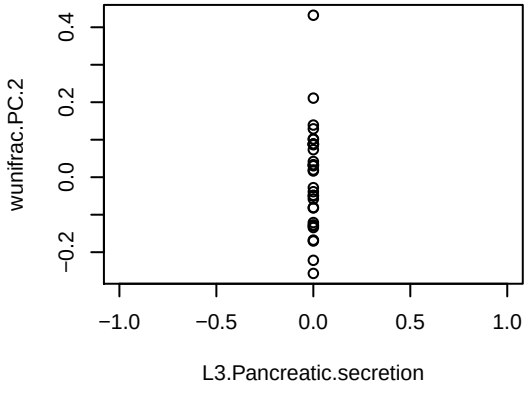
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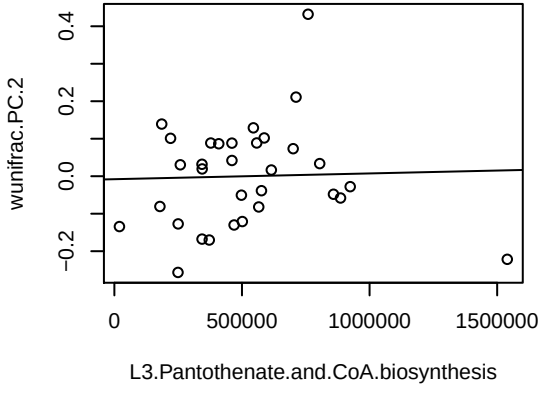
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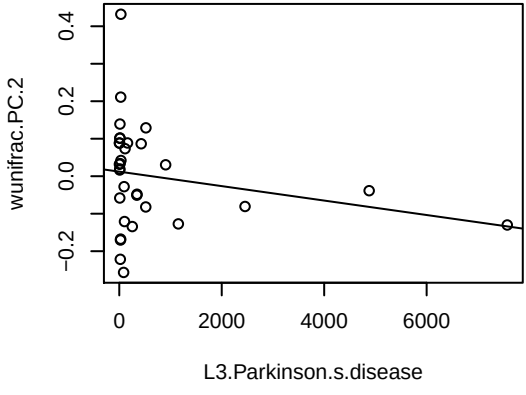
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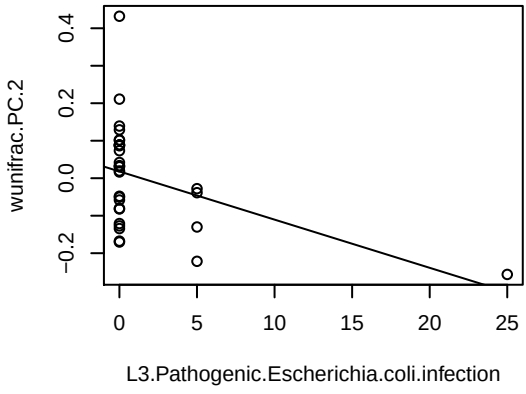
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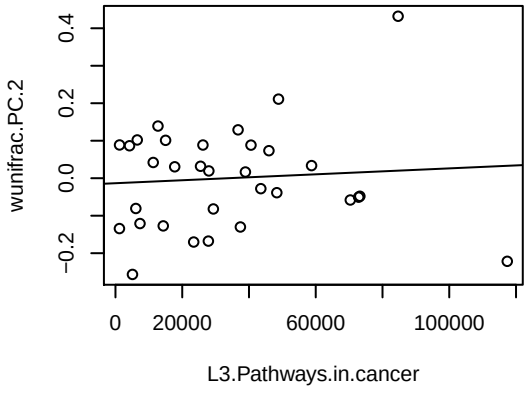
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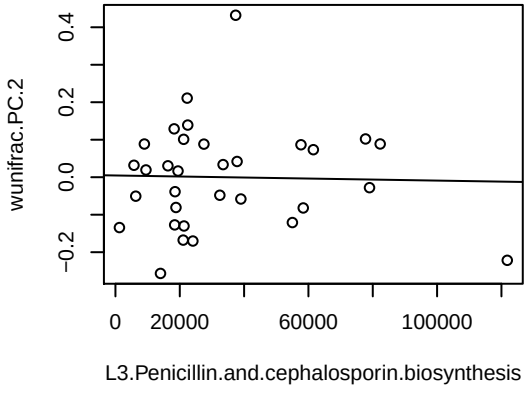
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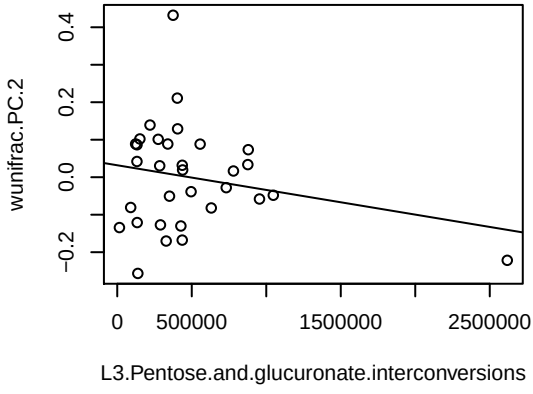
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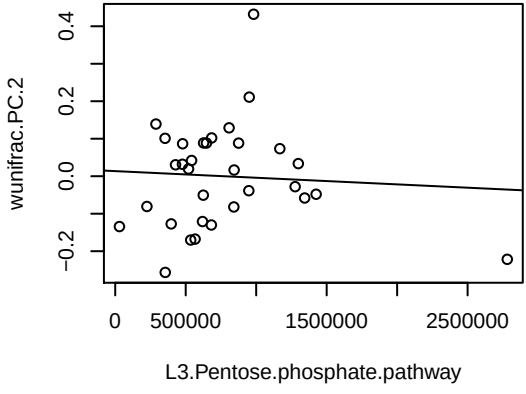
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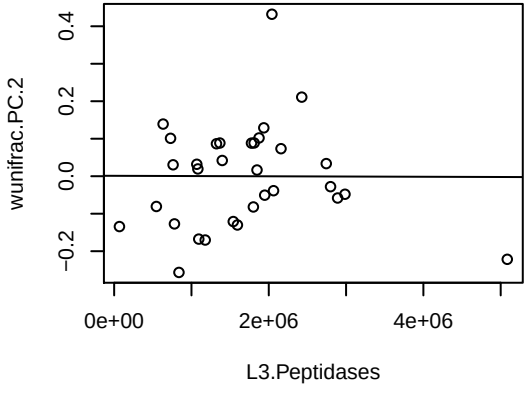
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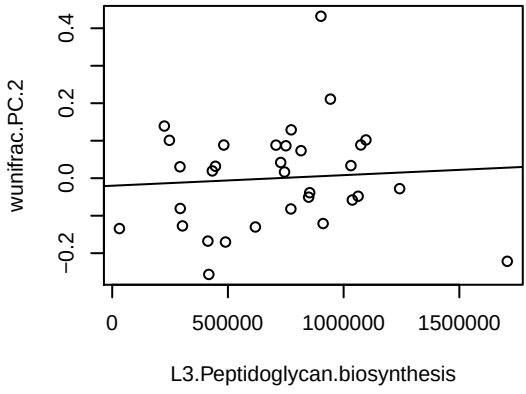
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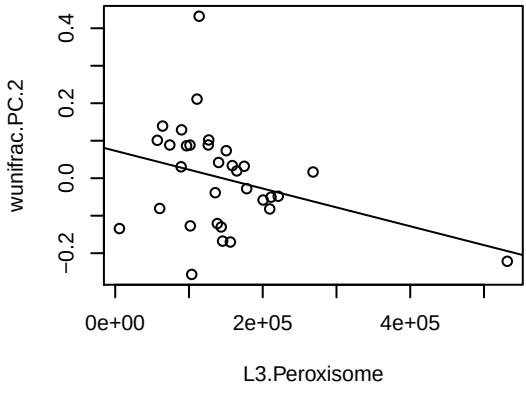
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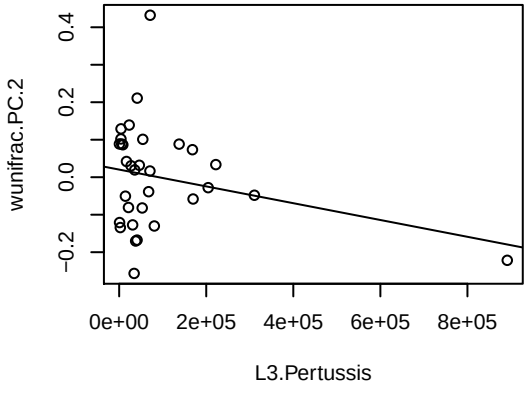
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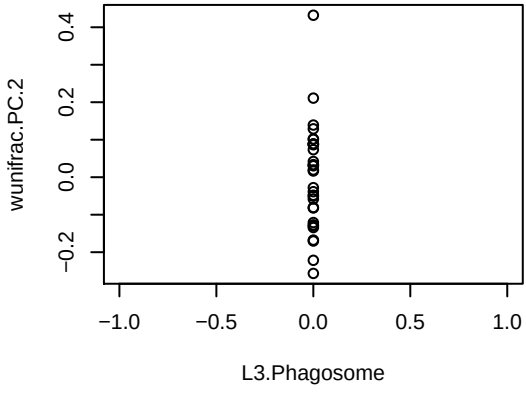
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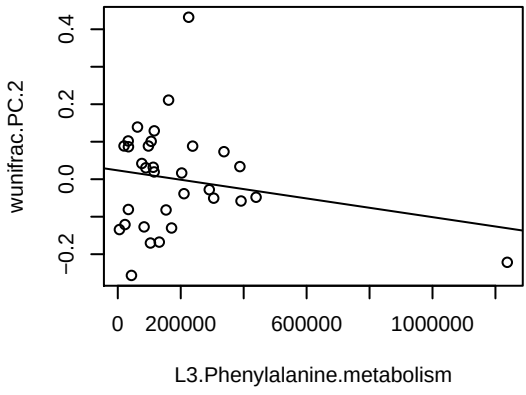
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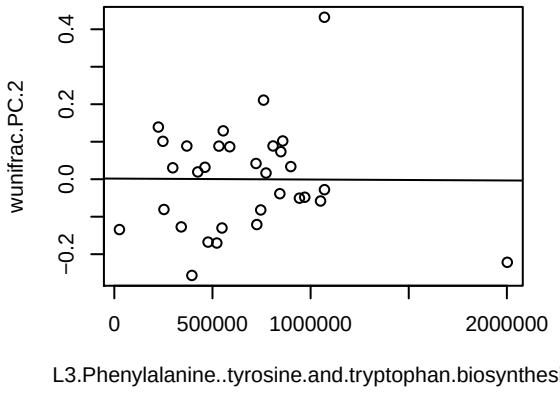
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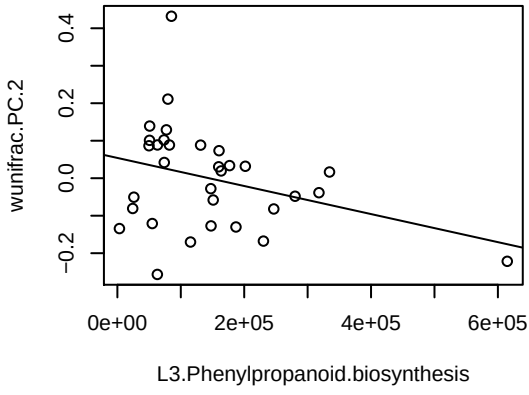
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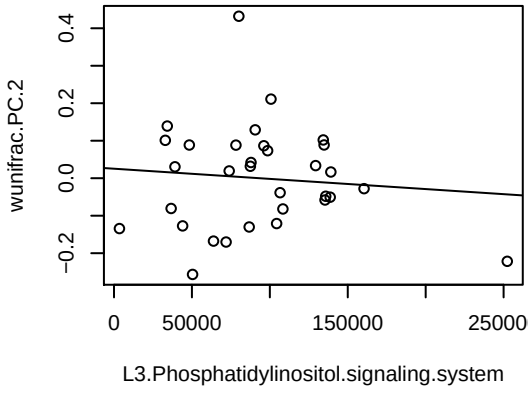
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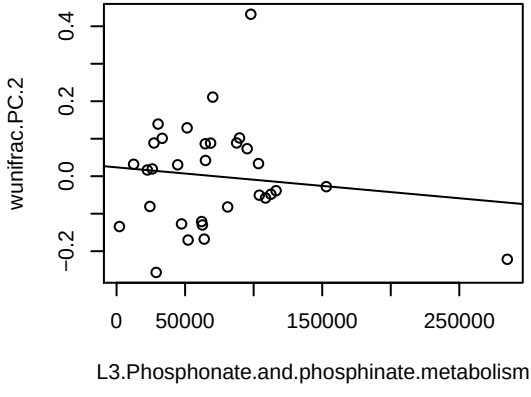
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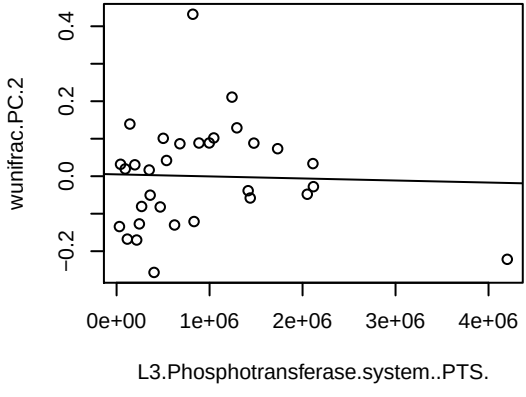
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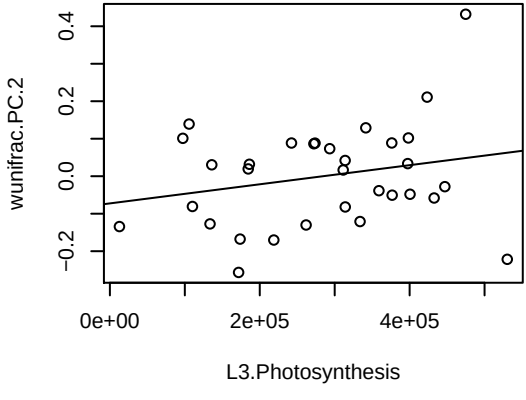
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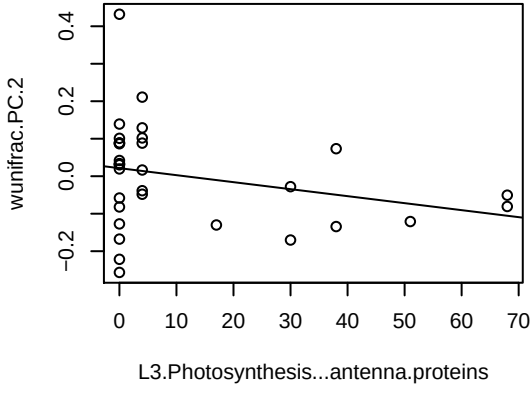
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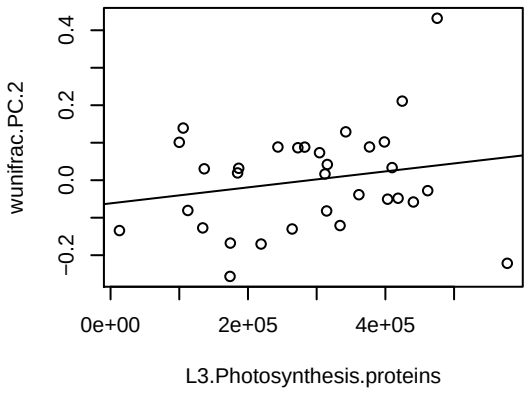
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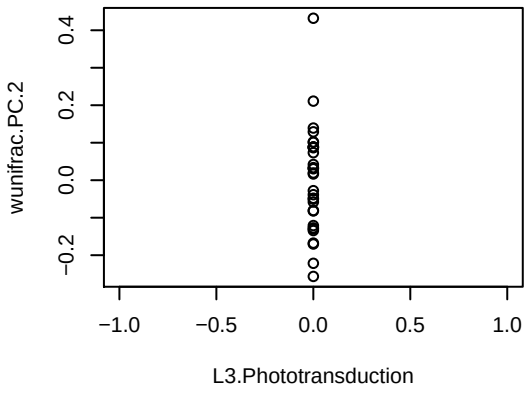
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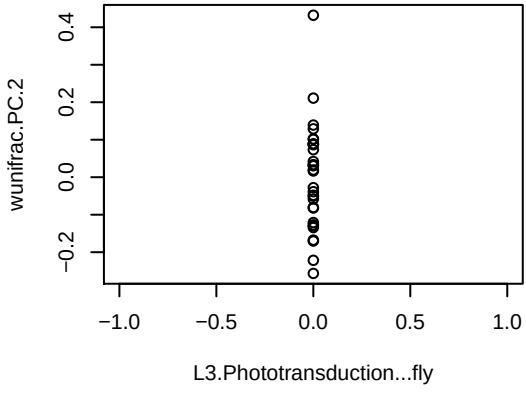
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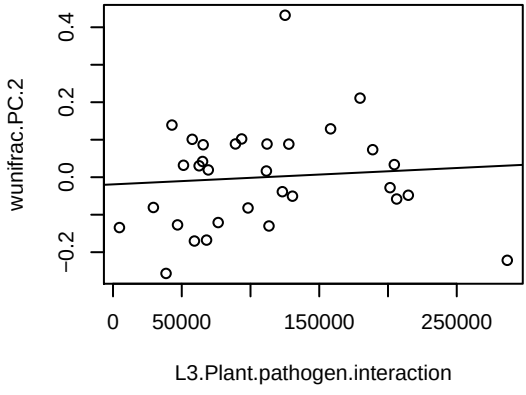
L3.Phototransduction...fly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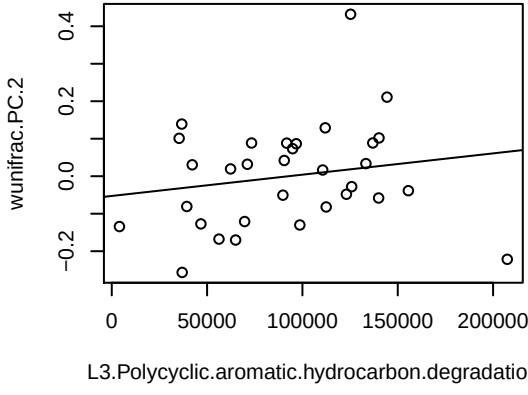
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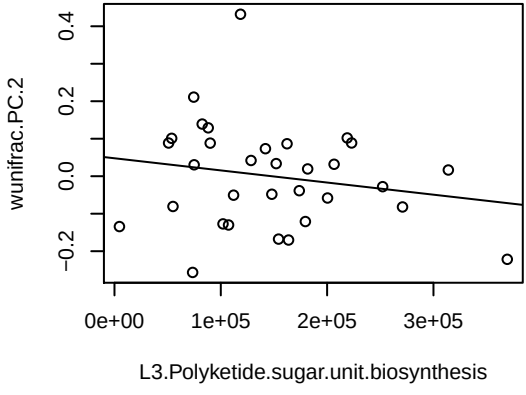
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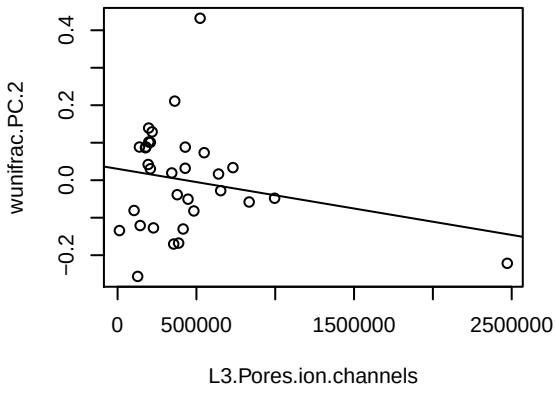
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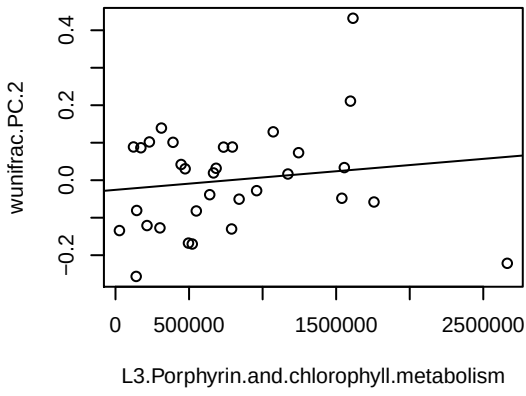
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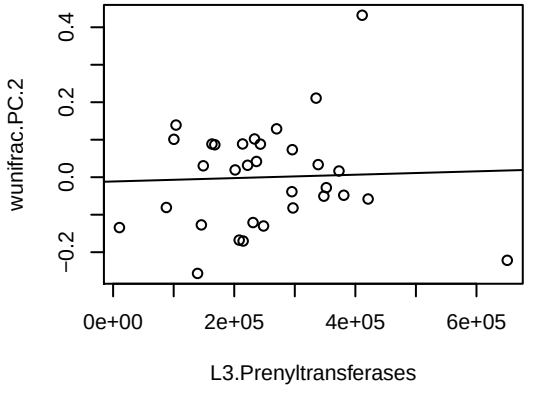
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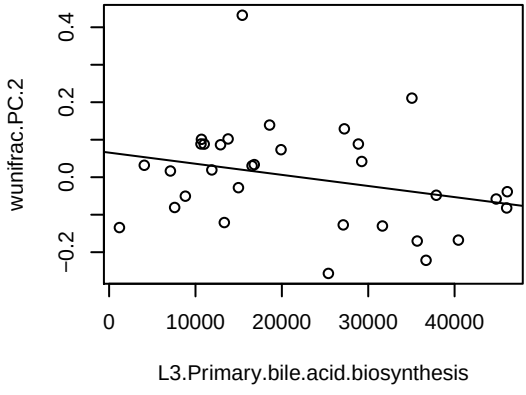
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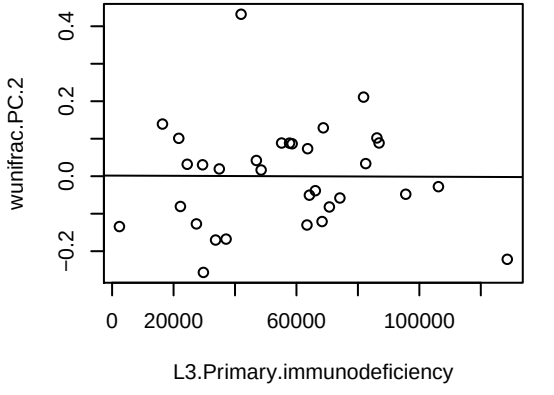
L3.Primary.bile.acid.biosynthesis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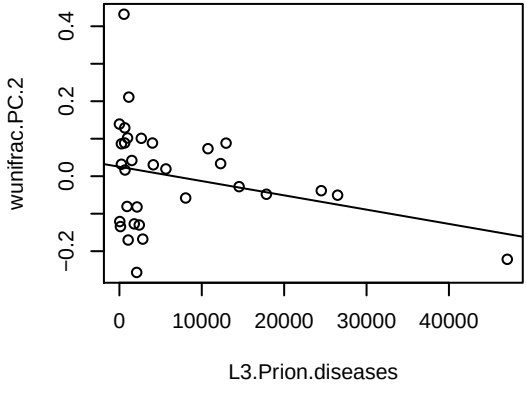
L3.Primary.immunodeficiency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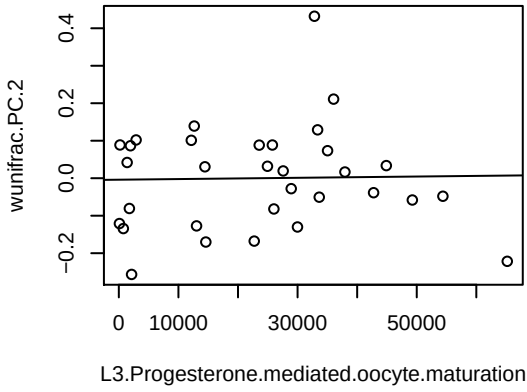
L3.Prion.diseases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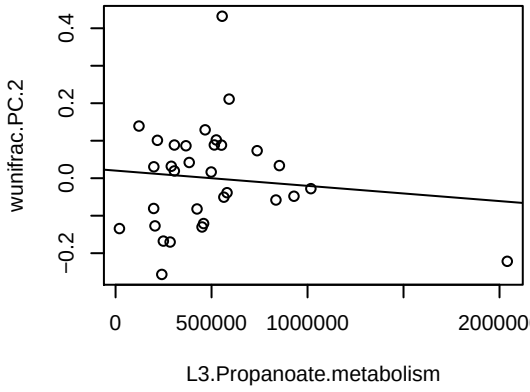
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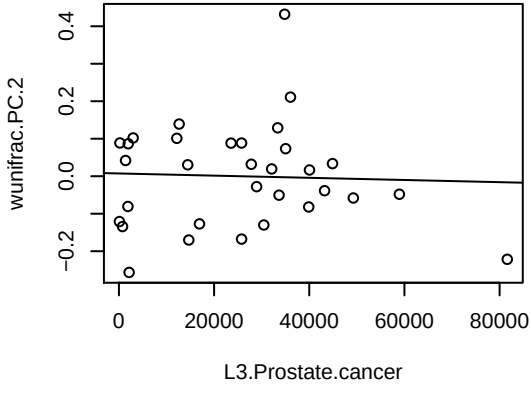
L3.Propanoate.metabolism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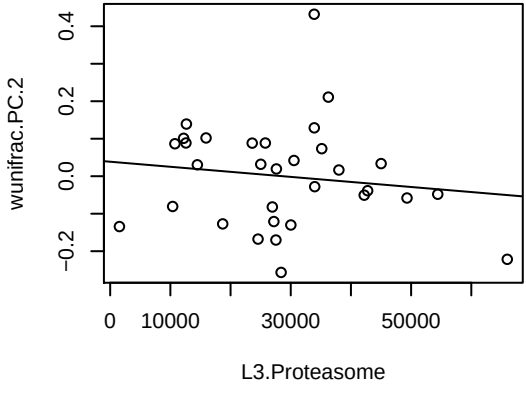
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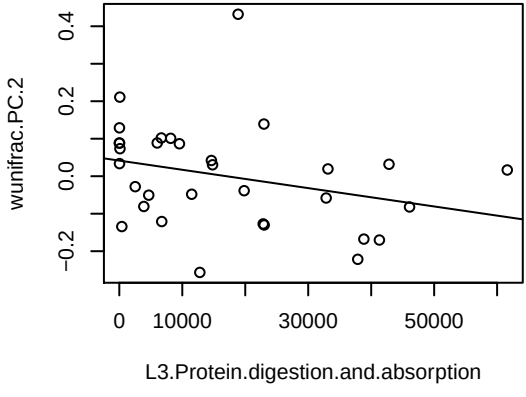
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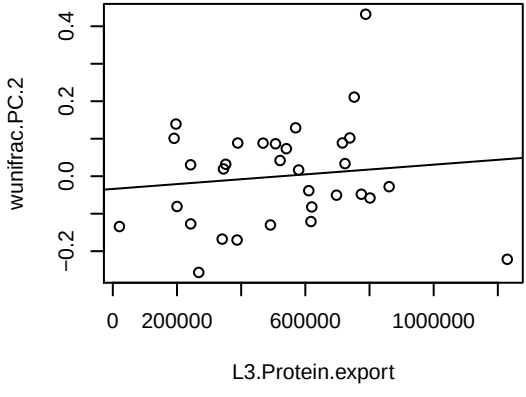
L3.Protein.digestion.and.absorption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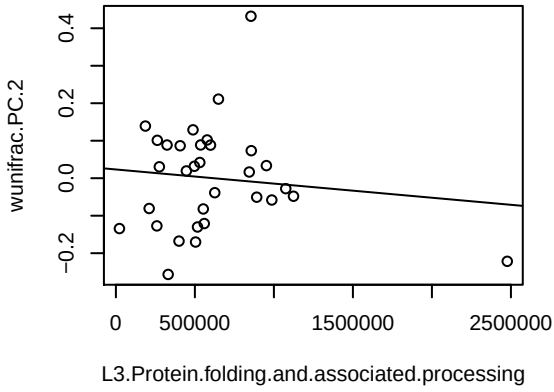
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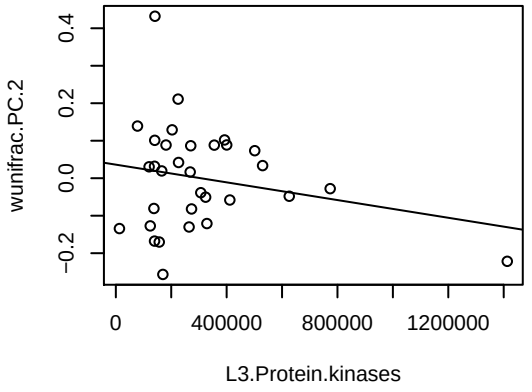
L3.Protein.folding.and.associated.processing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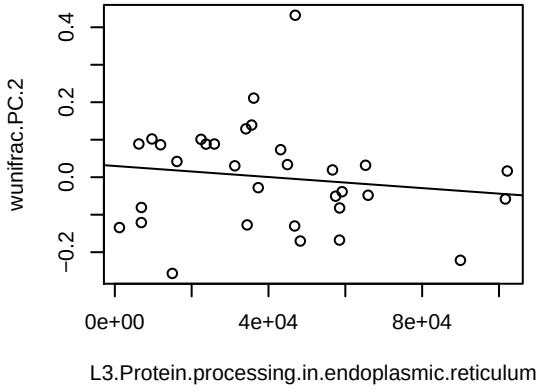
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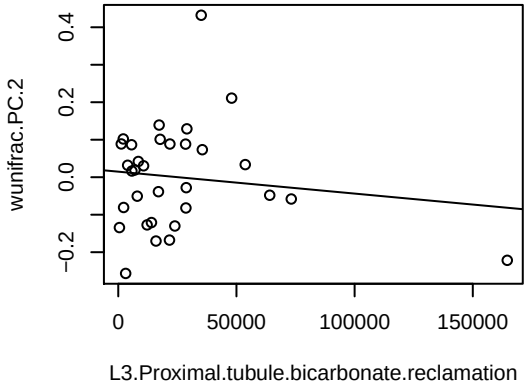
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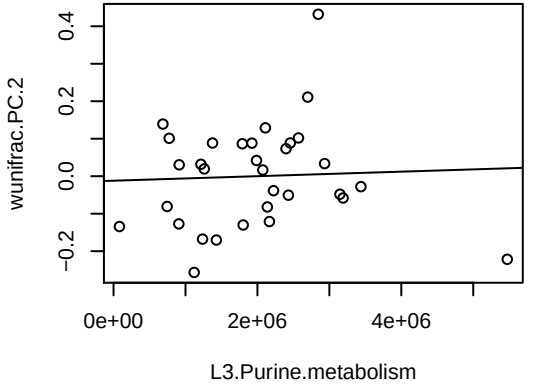
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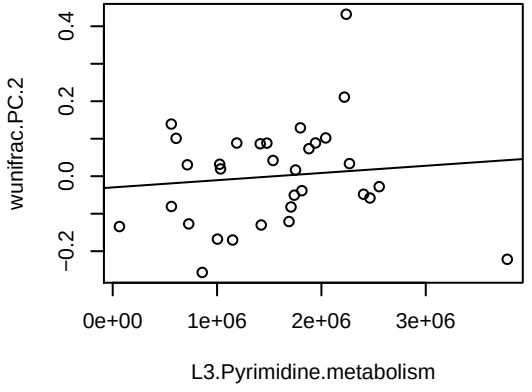
L3.Purine.metabolism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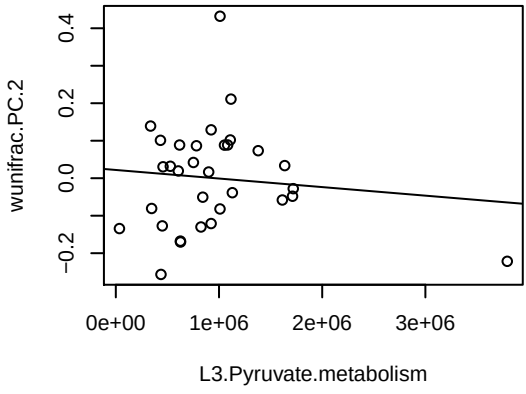
L3.Pyrimidine.metabolism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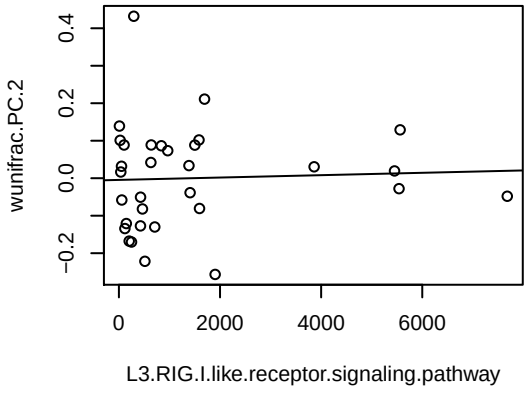
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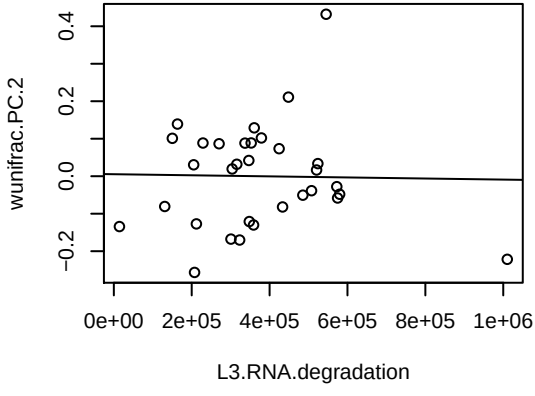
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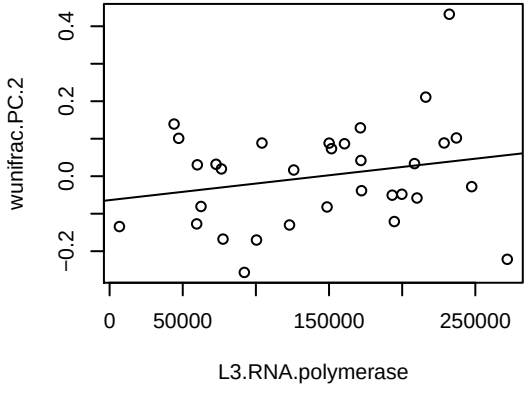
L3.RNA.degradation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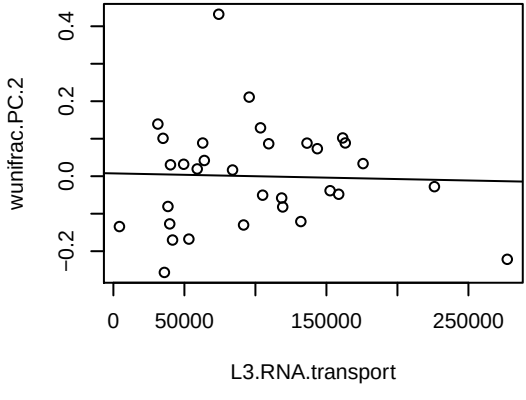
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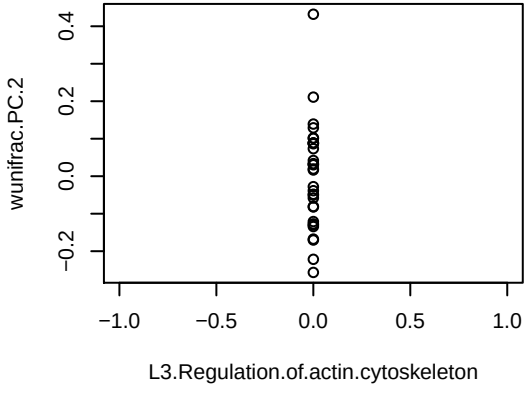
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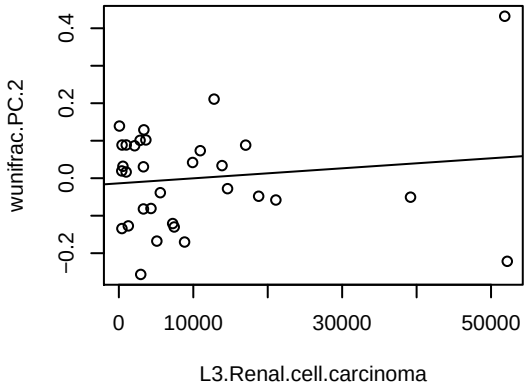
L3.Regulation.of.actin.cytoskeleton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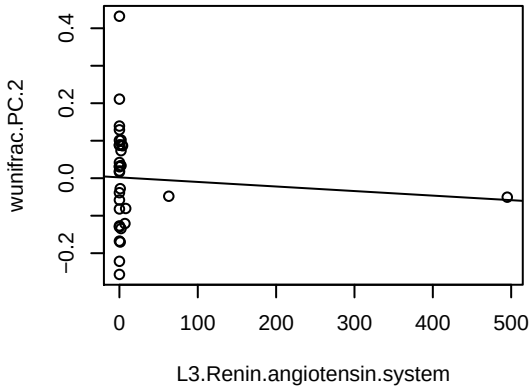
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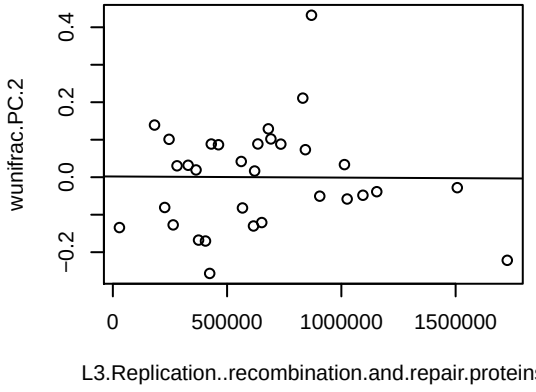
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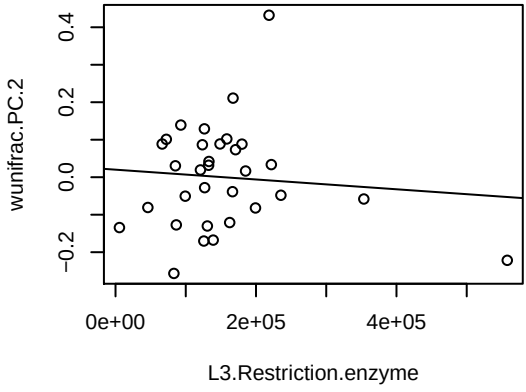
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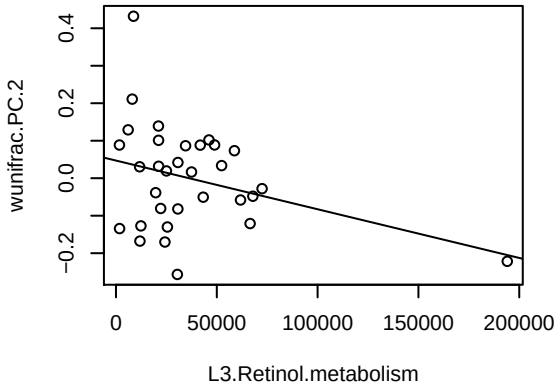
L3.Restriction.enzyme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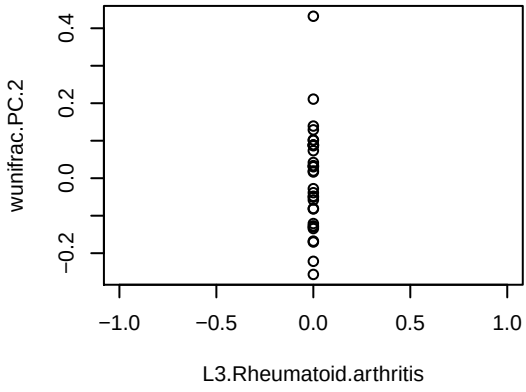
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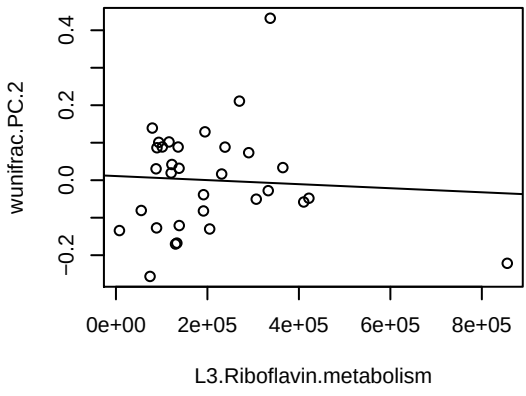
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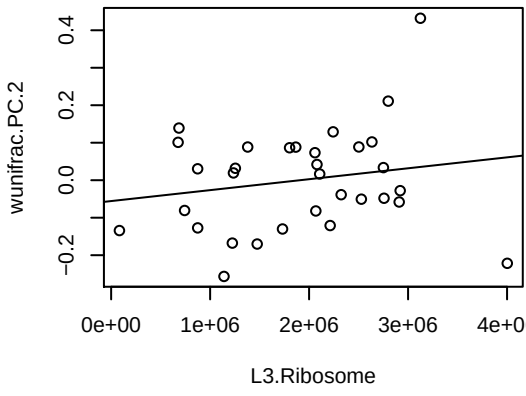
L3.Riboflavin.metabolism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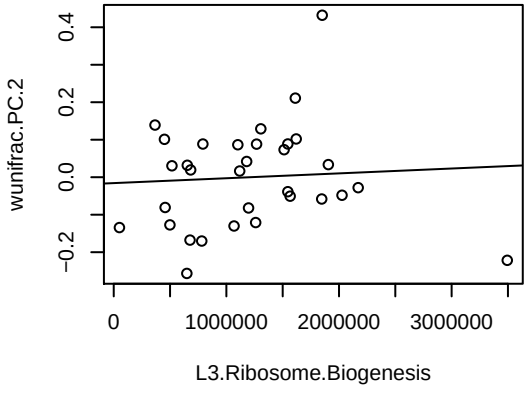
L3.Ribosome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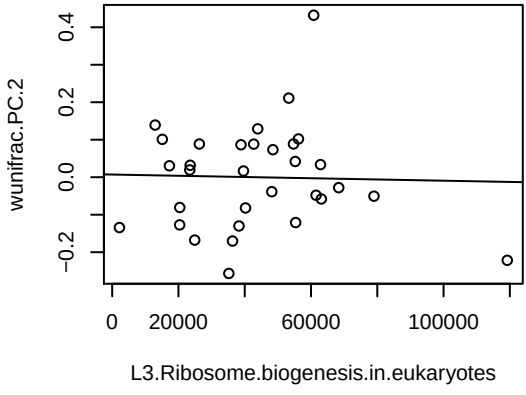
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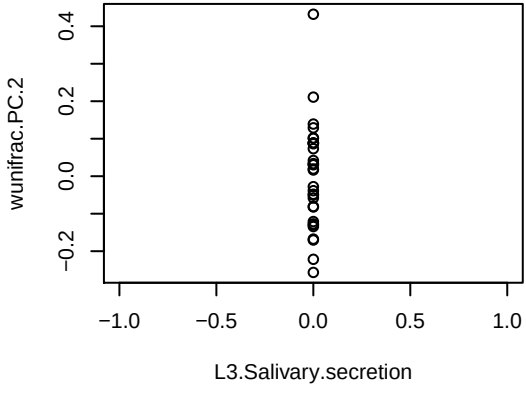
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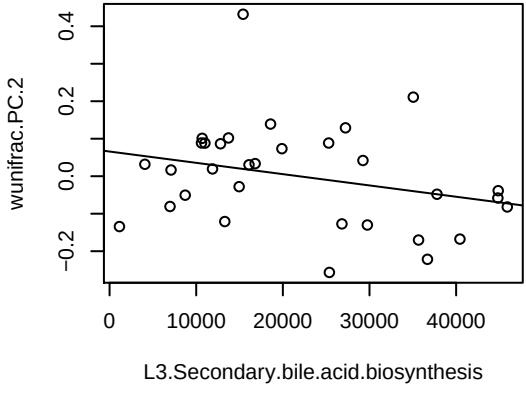
L3.Salivary.secretion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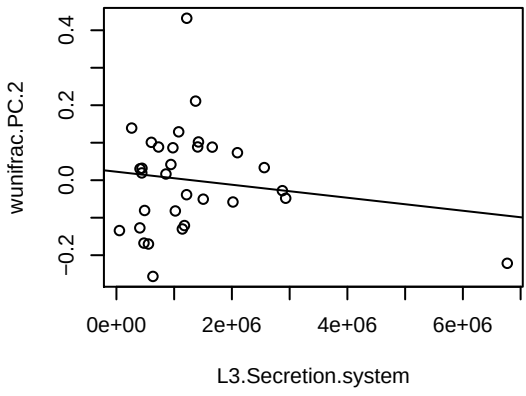
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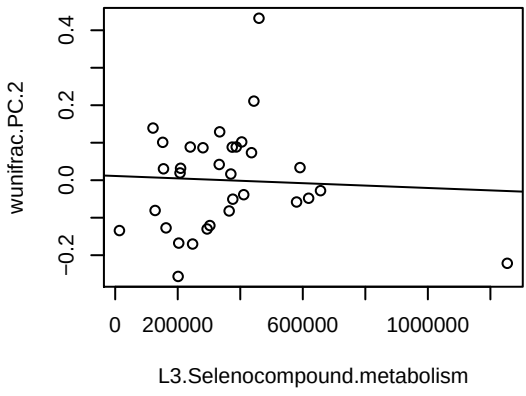
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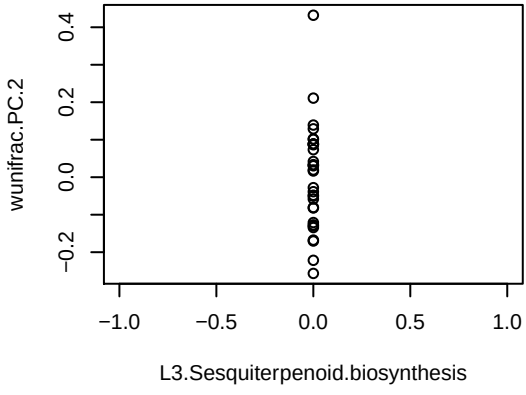
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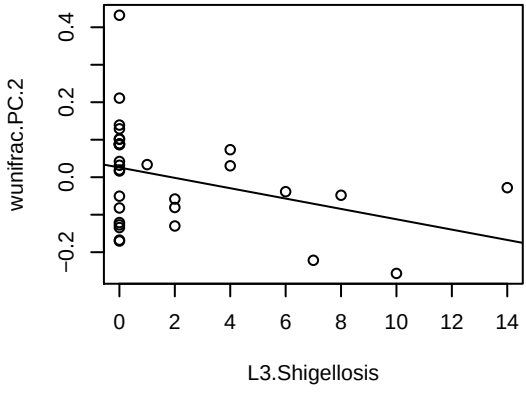
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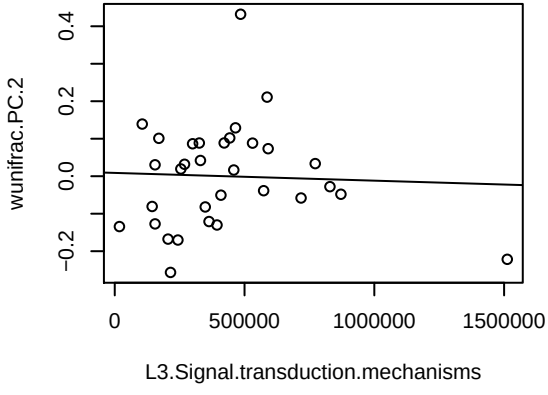
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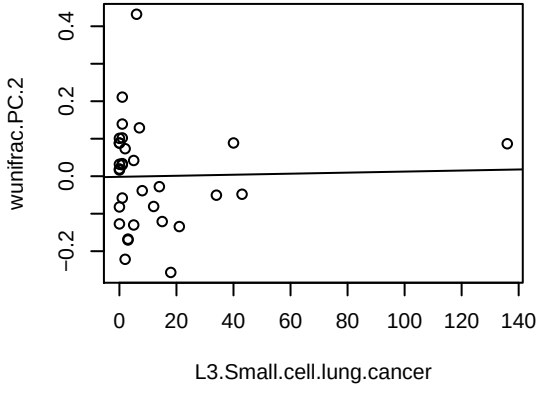
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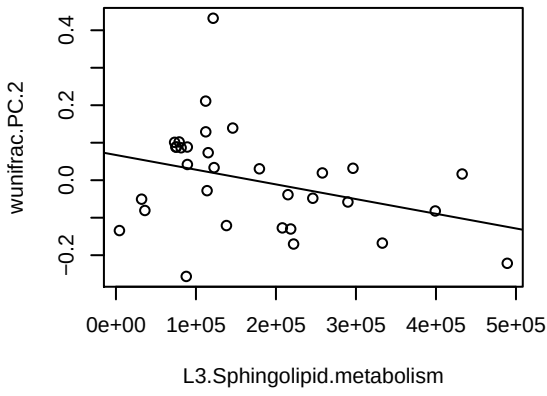
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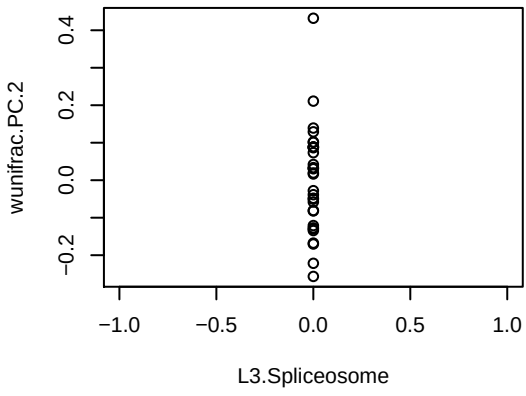
L3.Sphingolipid.metabolism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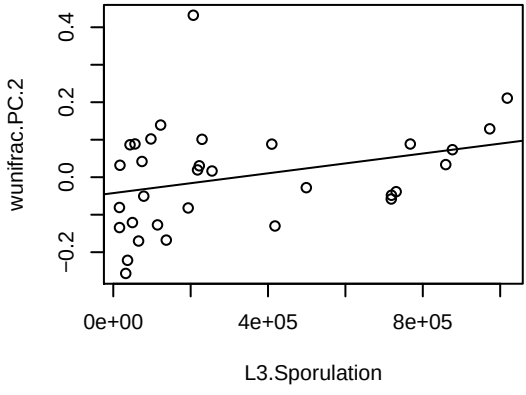
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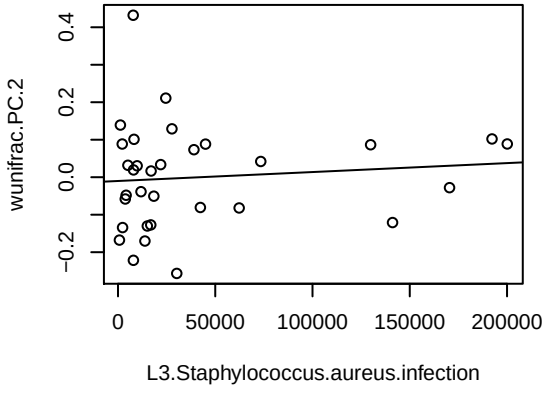
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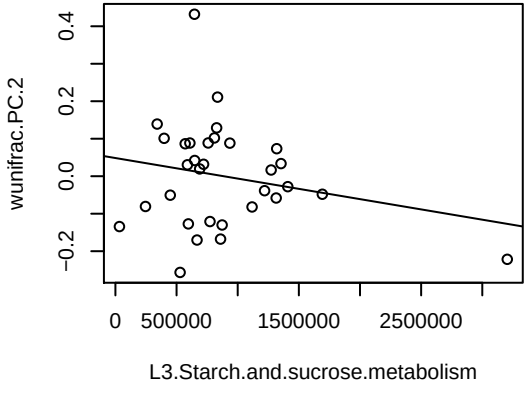
L3.Staphylococcus.aureus.infection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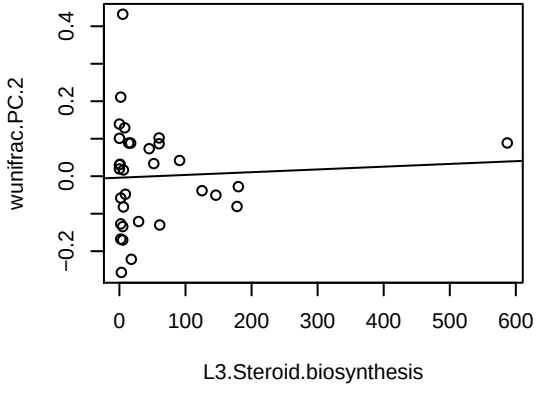
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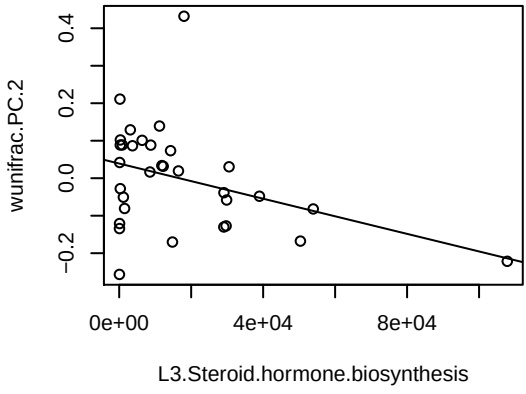
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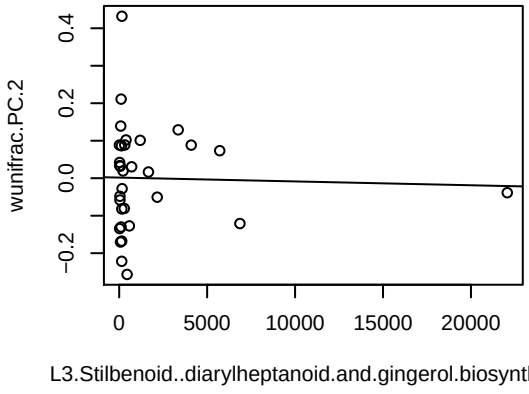
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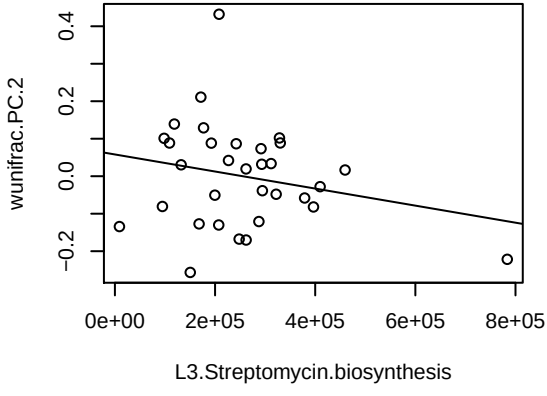
L3.Stilbenoid..diarylheptanoid.and.gingerol.biosynthesis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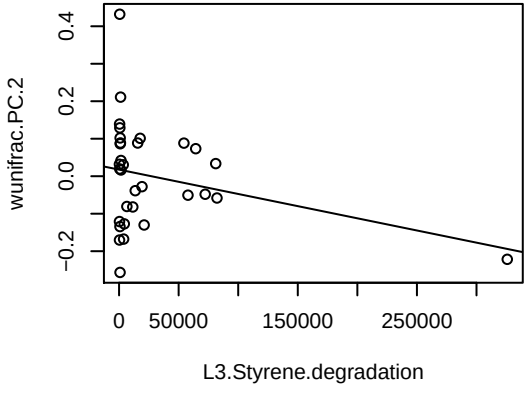
L3.Streptomycin.biosynthesis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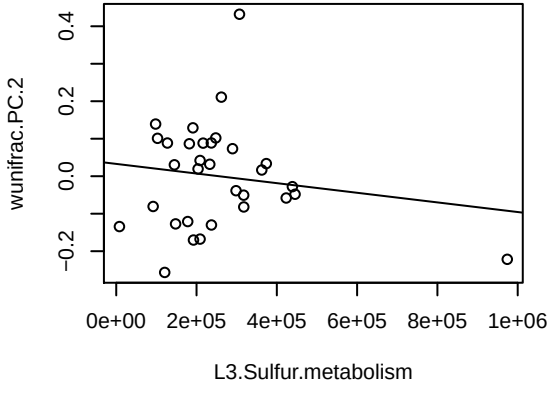
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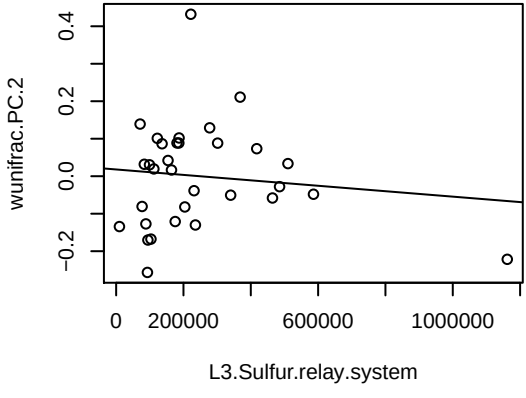
L3.Sulfur.metabolism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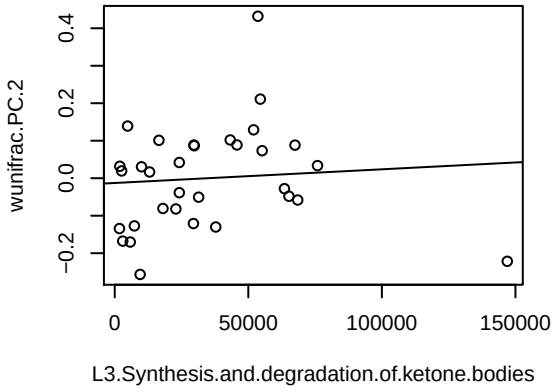
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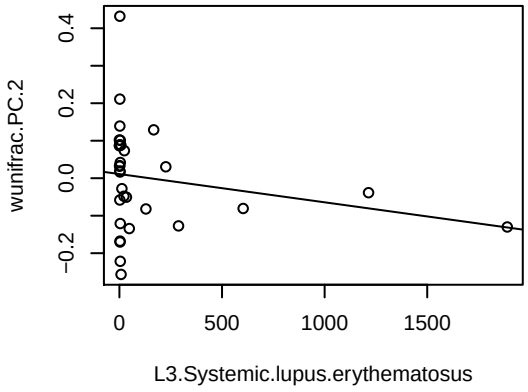
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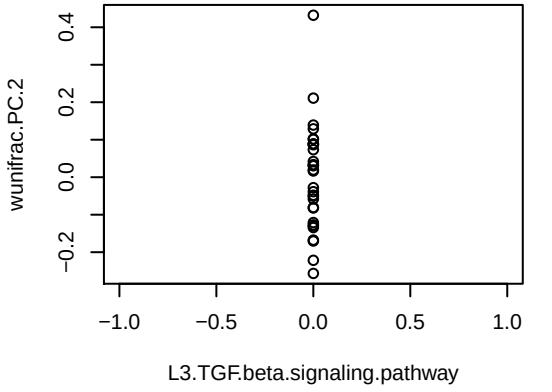
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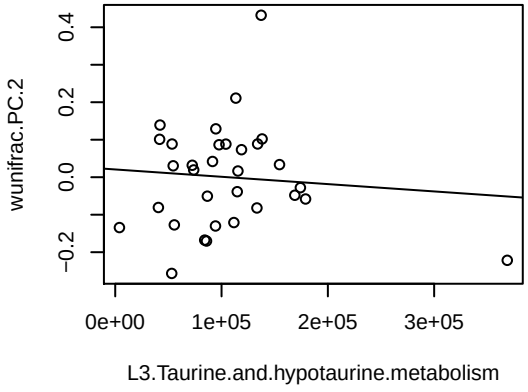
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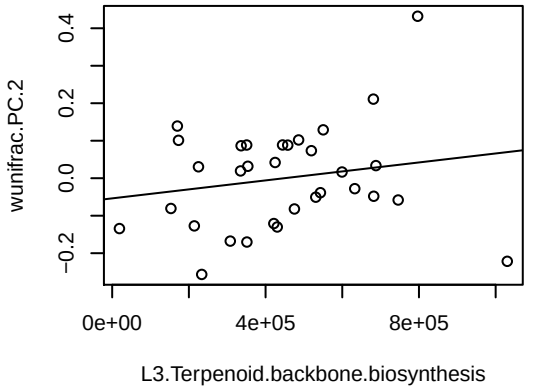
L3.Taurine.and.hypotaurine.metabolism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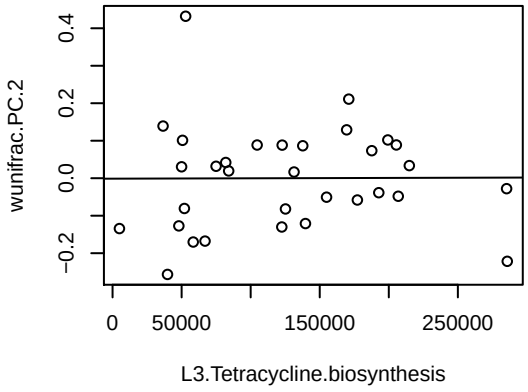
L3.Terpenoid.backbone.biosynthesis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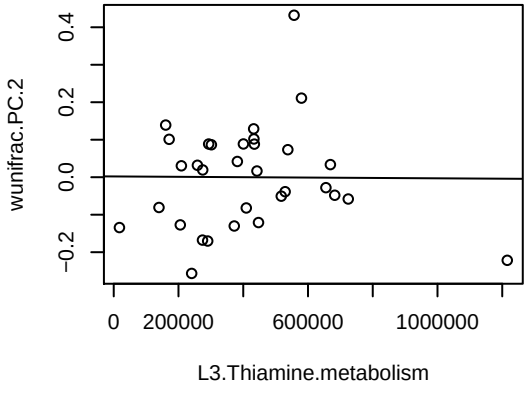
L3.Tetracycline.biosynthesis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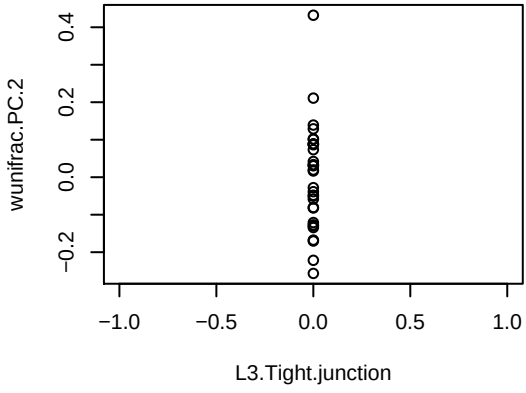
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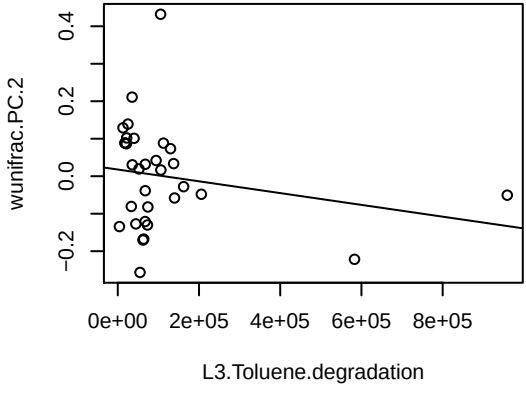
L3.Tight.junction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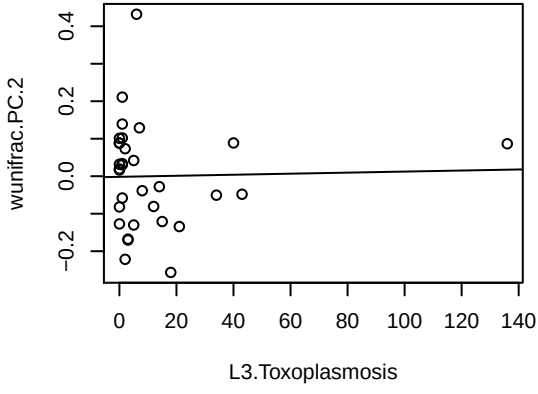
L3.Toluene.degradation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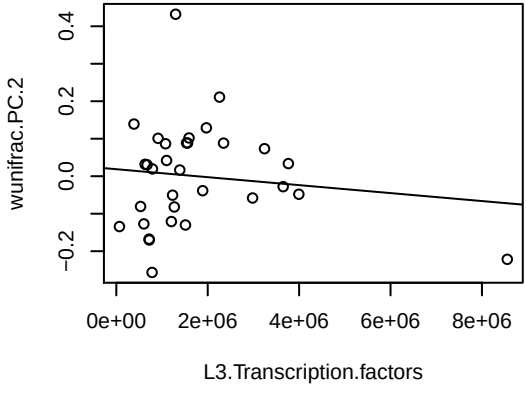
L3.Toxoplasmosis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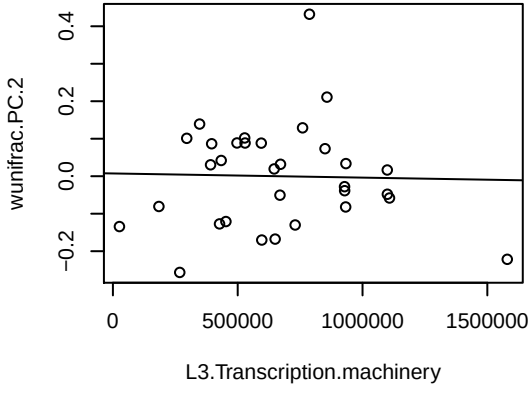
L3.Transcription.factors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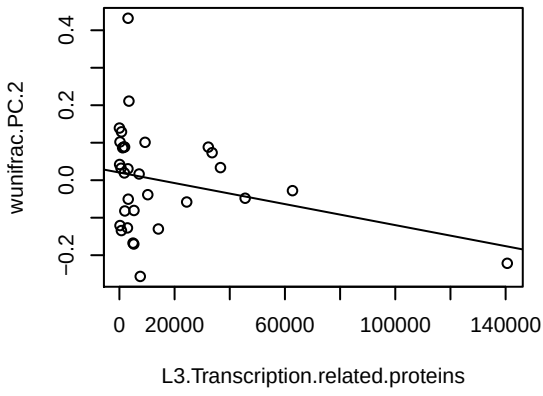
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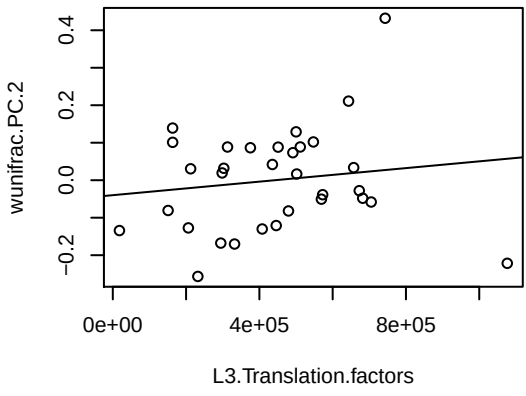
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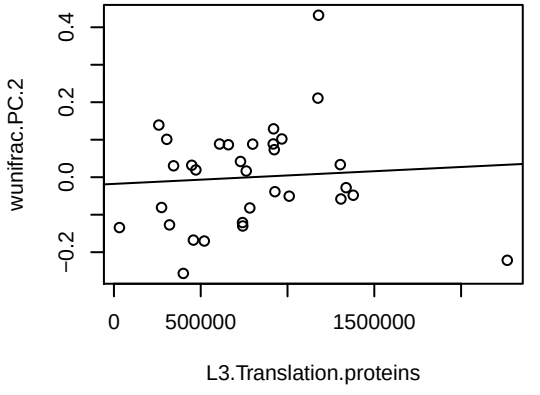
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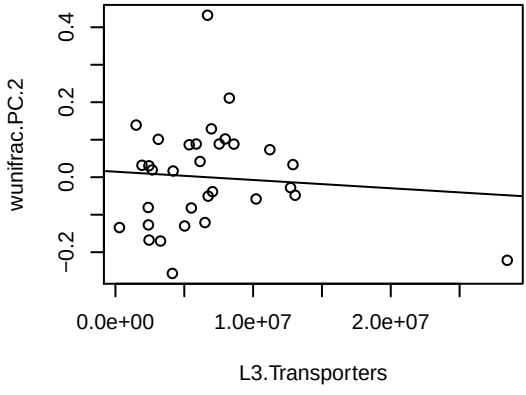
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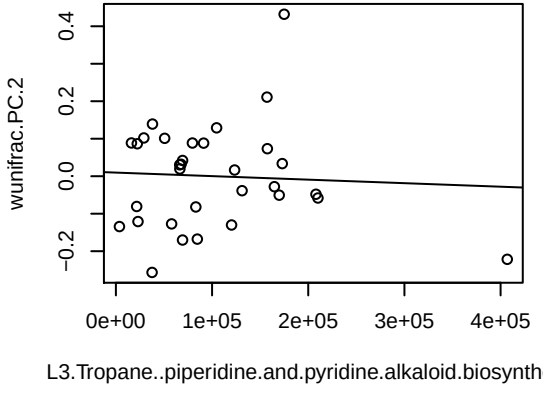
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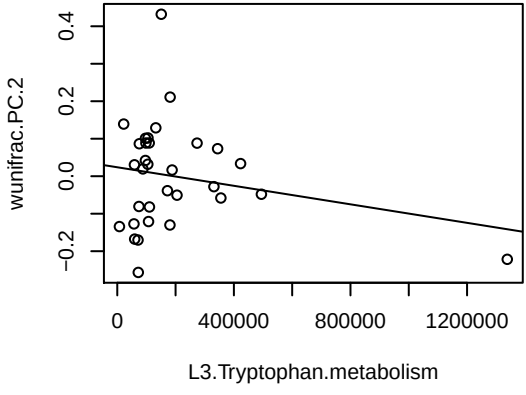
L3.Tropane..piperidine.and.pyridine.alkaloid.biosynthesis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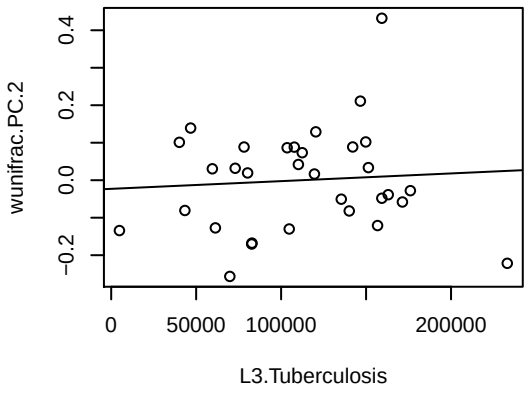
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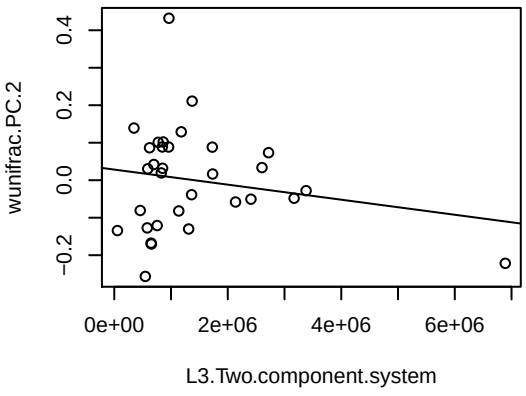
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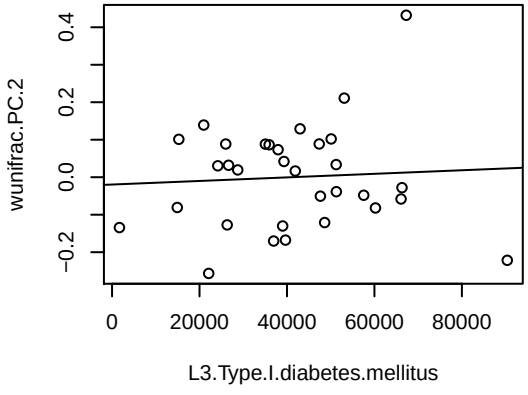
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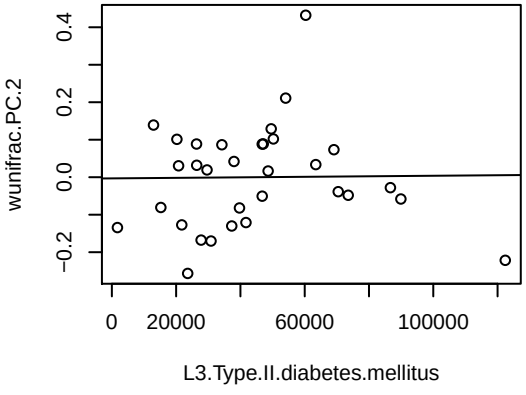
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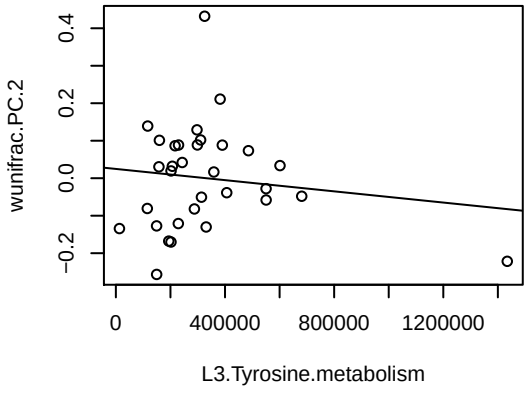
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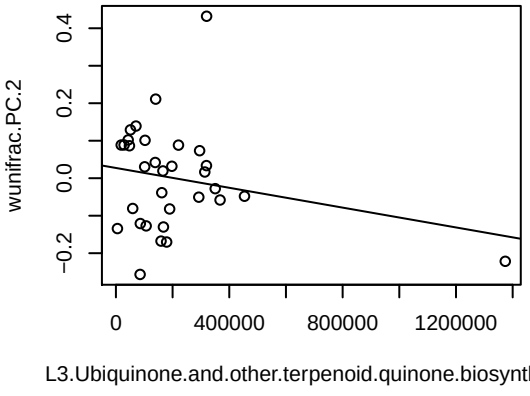
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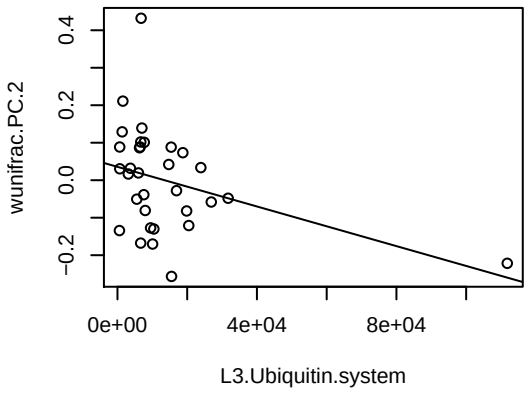
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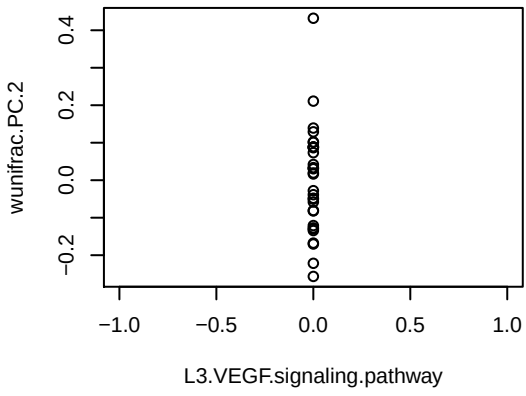
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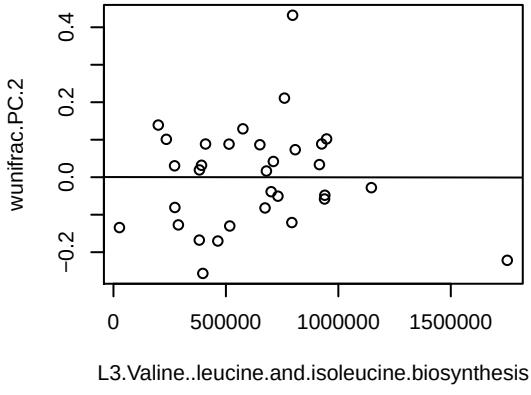
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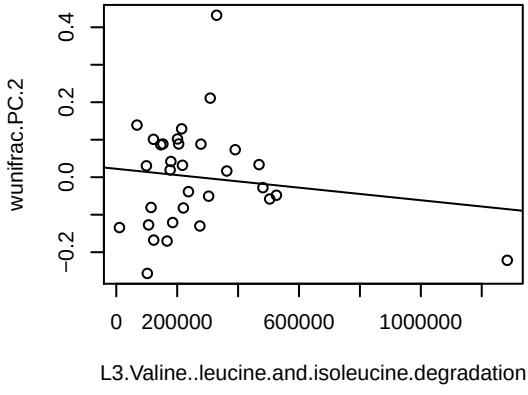
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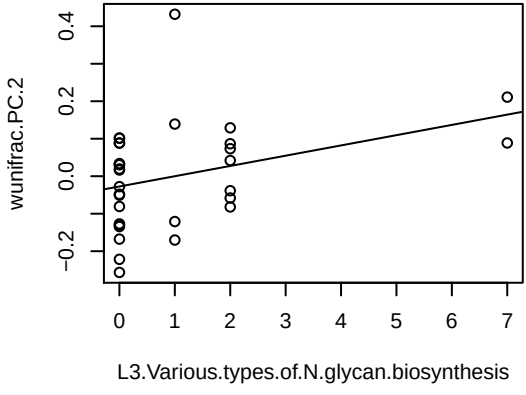
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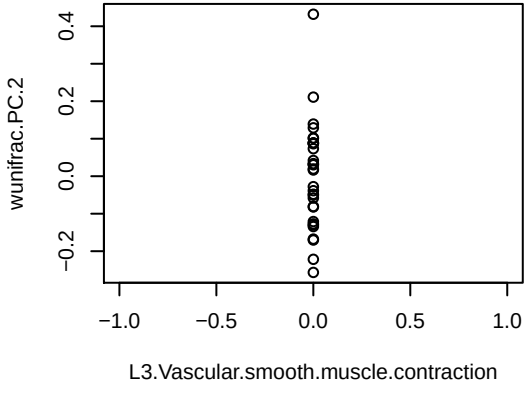
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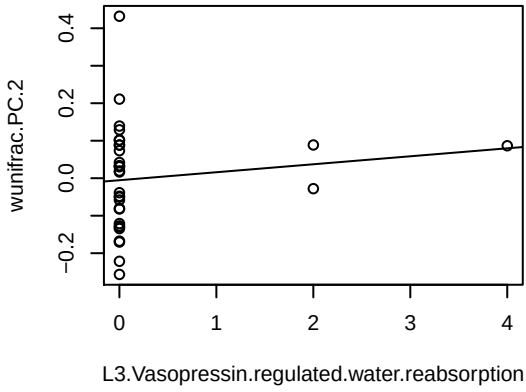
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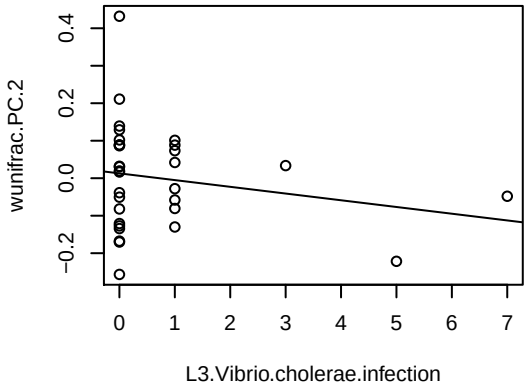
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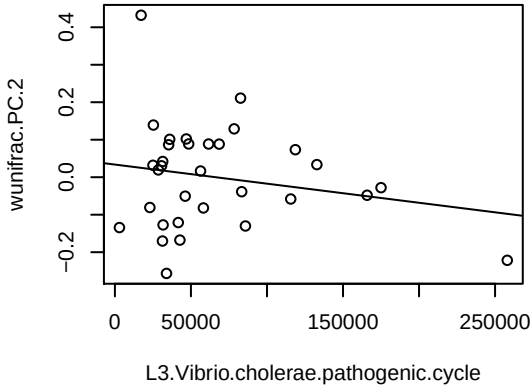
L3.Vibrio.cholerae.infection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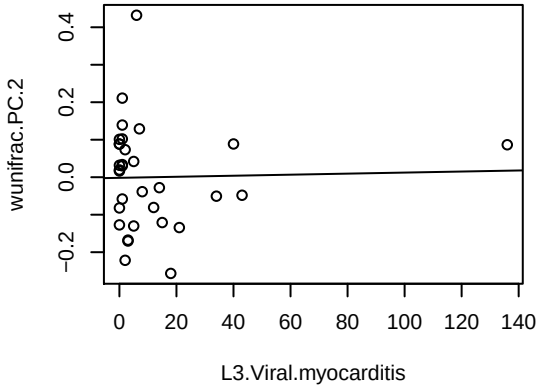
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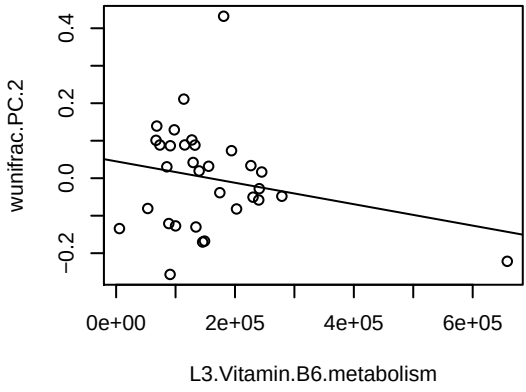
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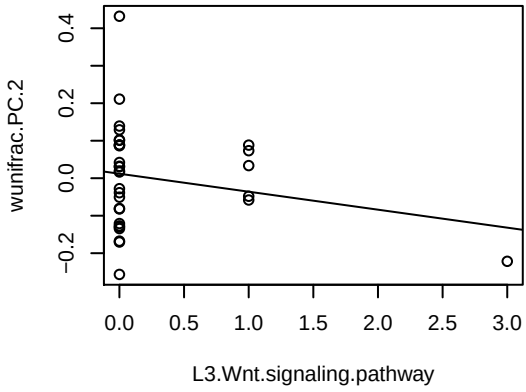
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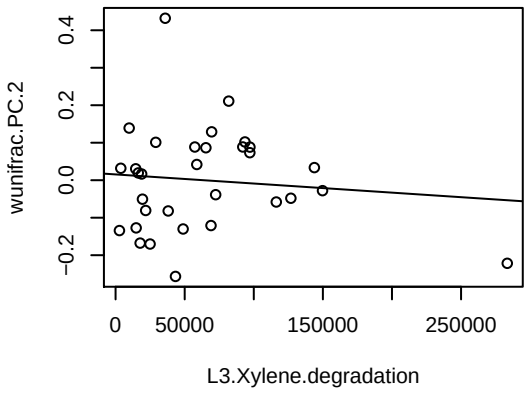
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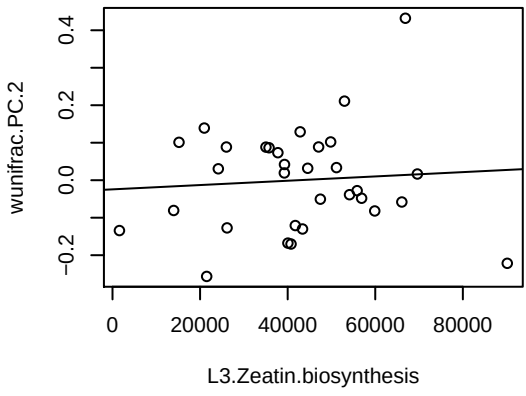
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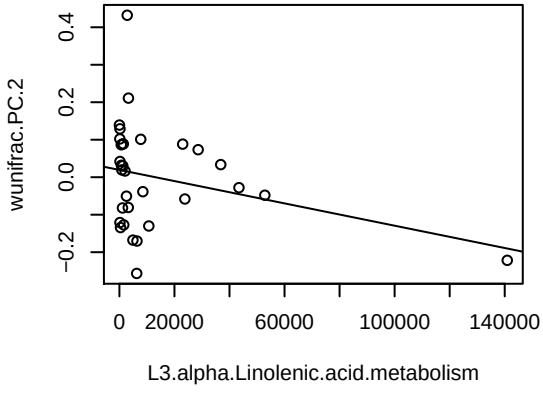
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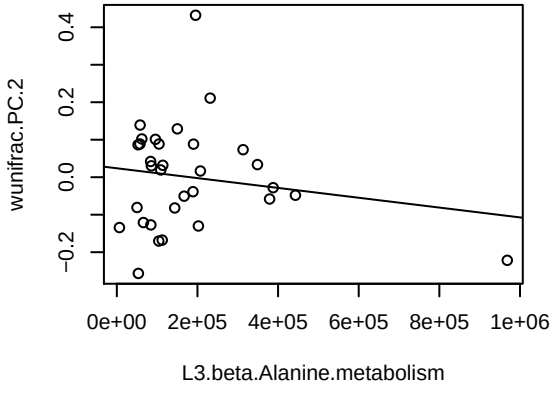
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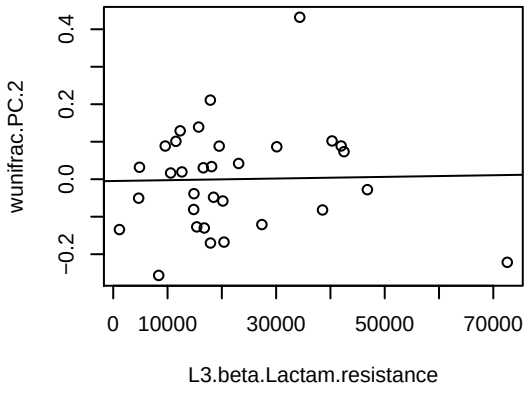
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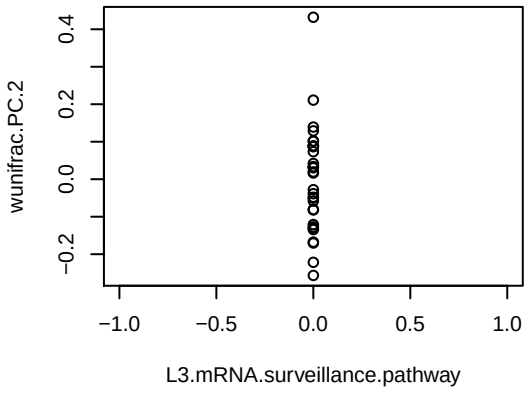
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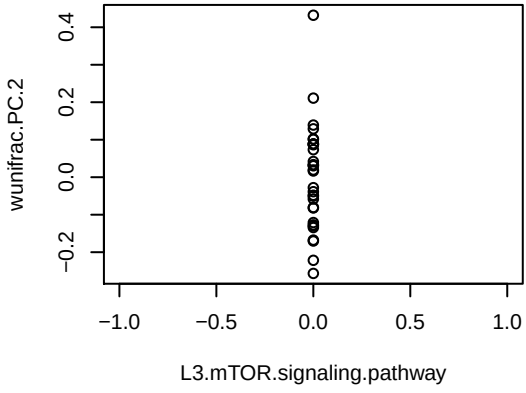
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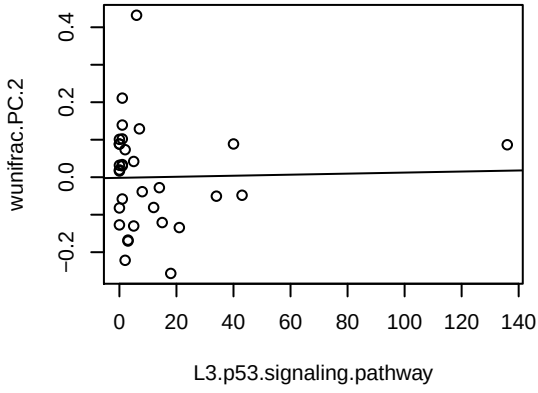
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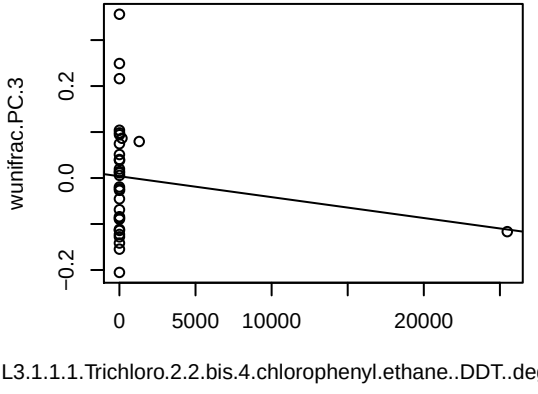
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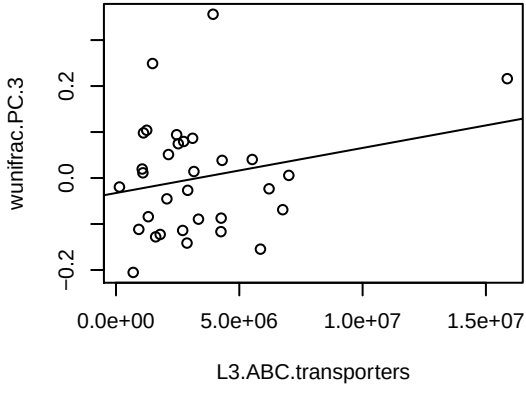
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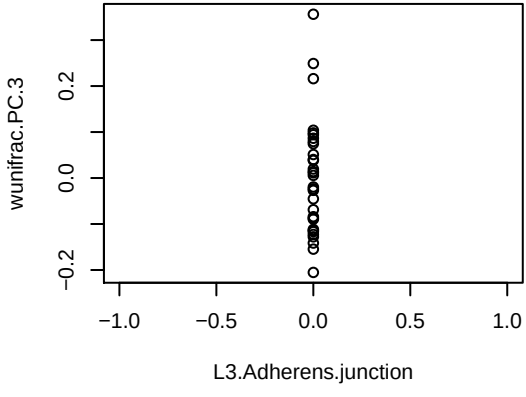
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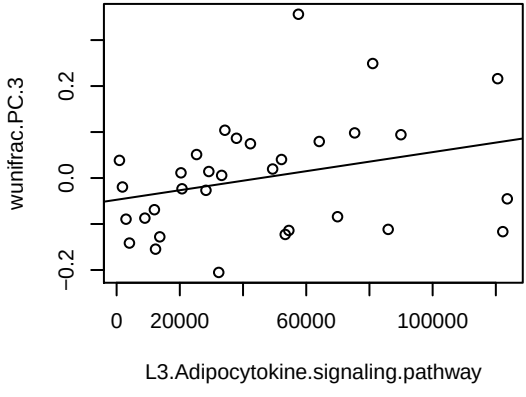
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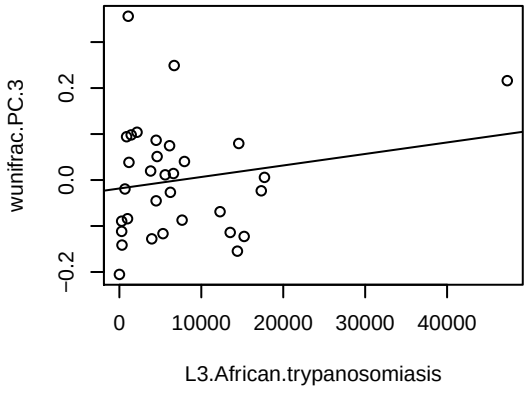
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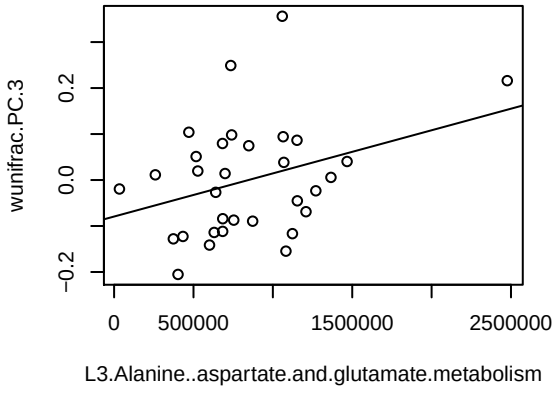
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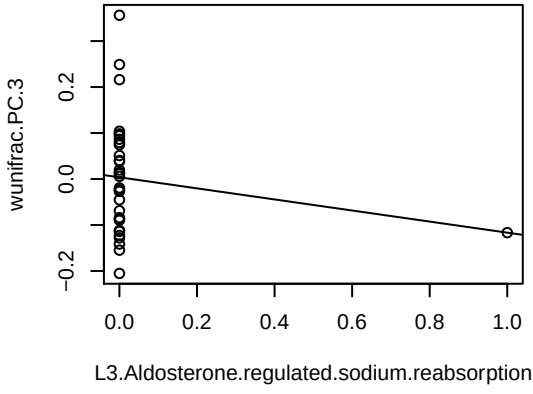
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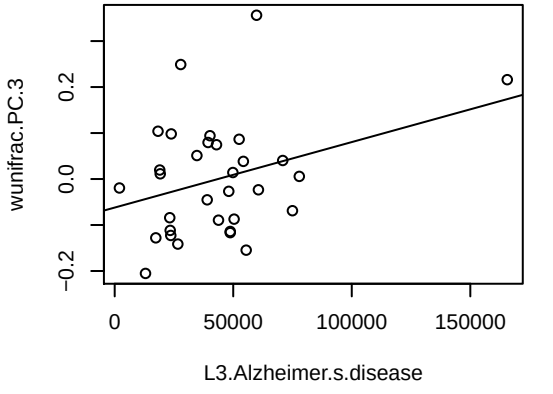
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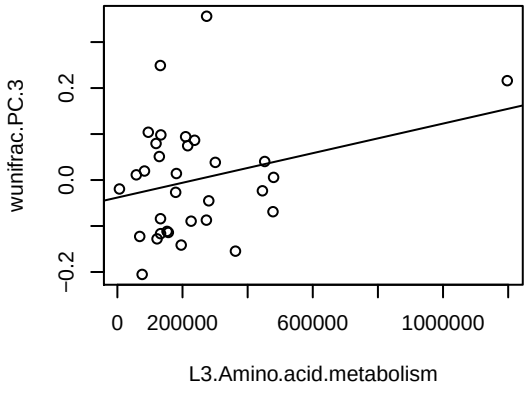
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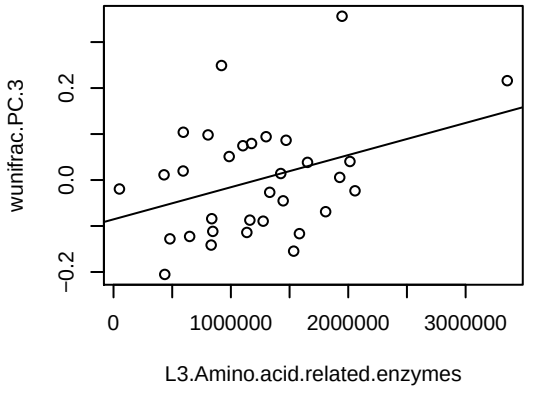
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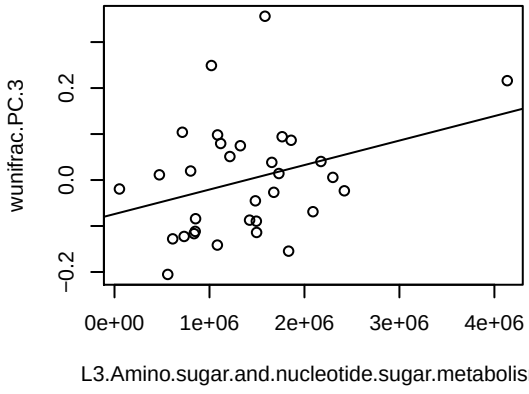
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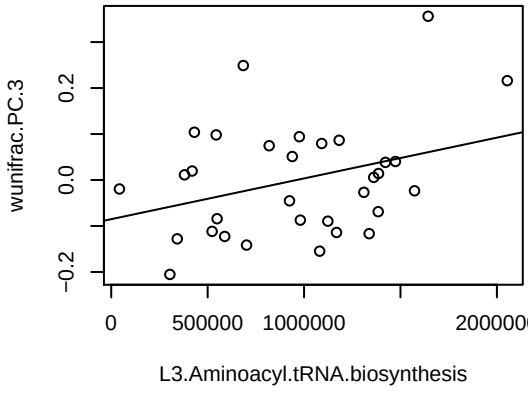
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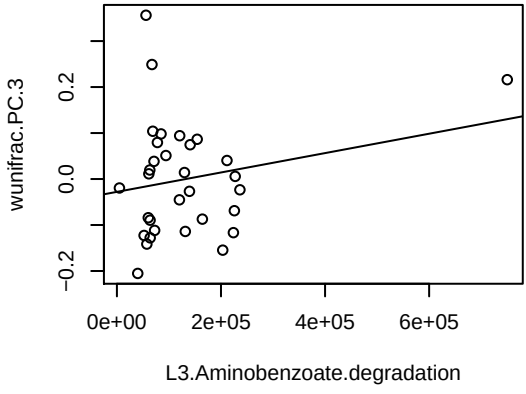
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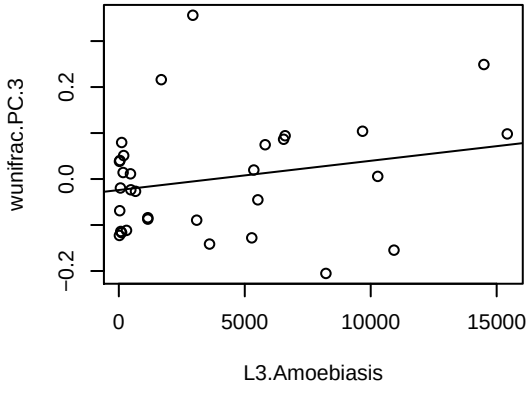
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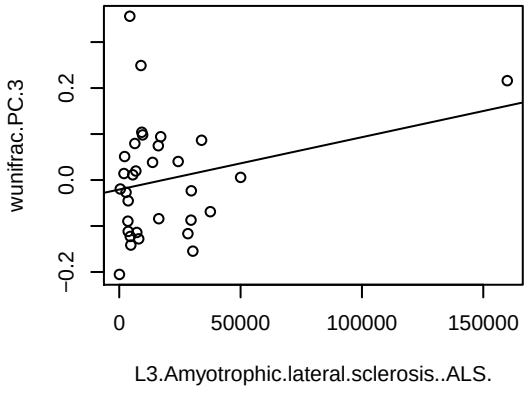
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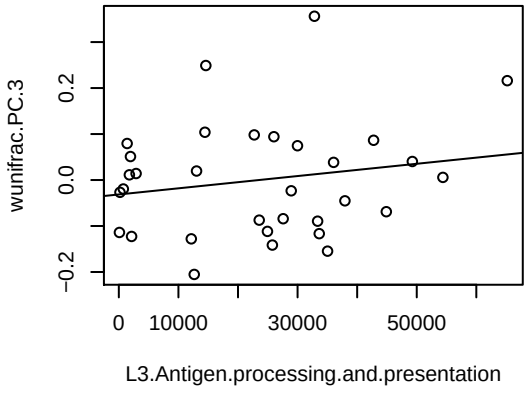
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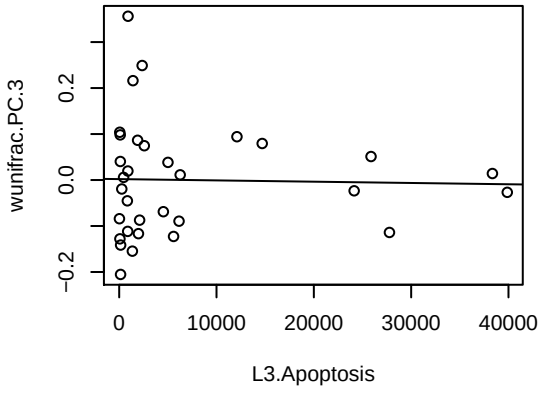
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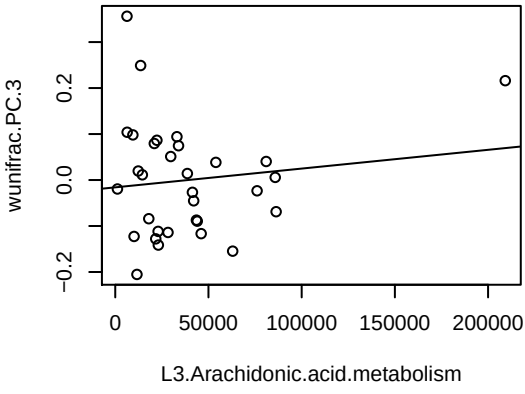
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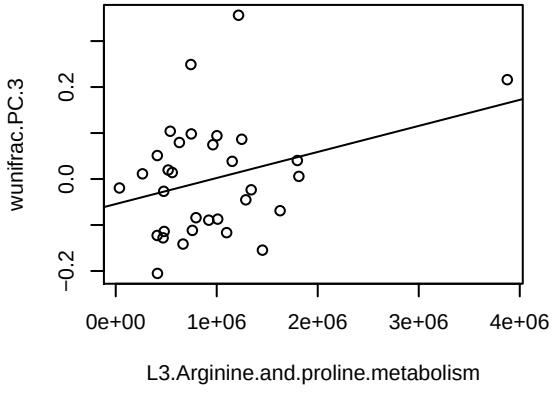
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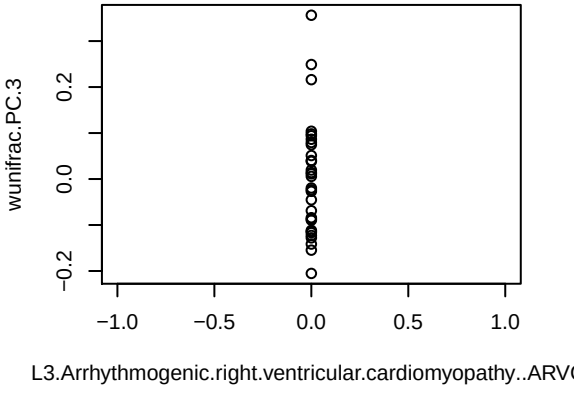
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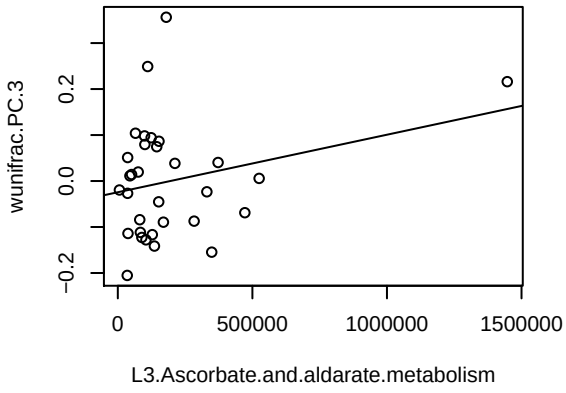
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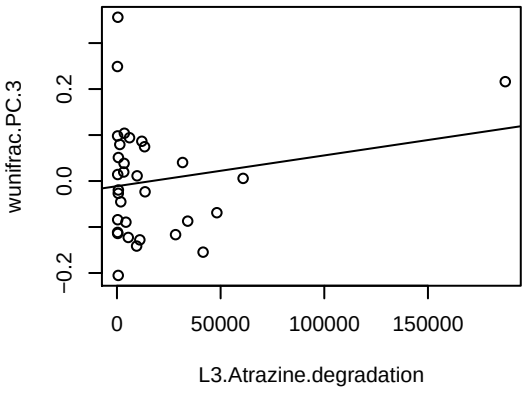
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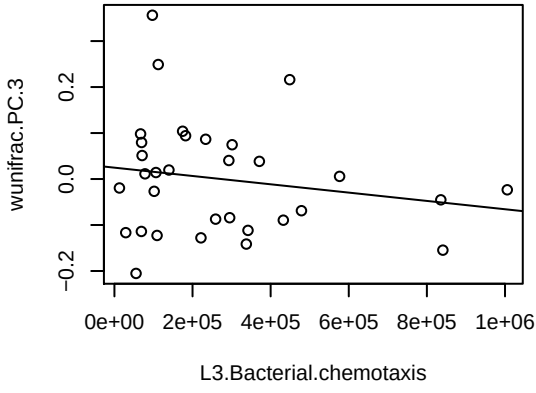
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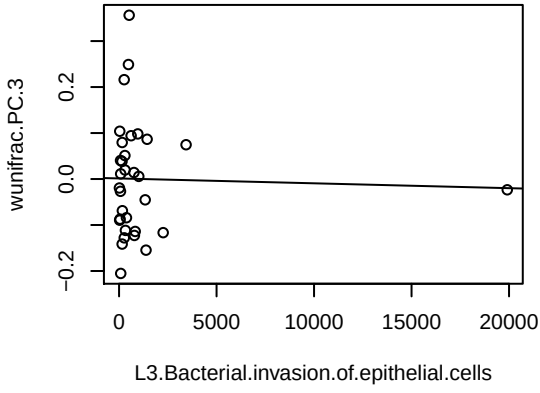
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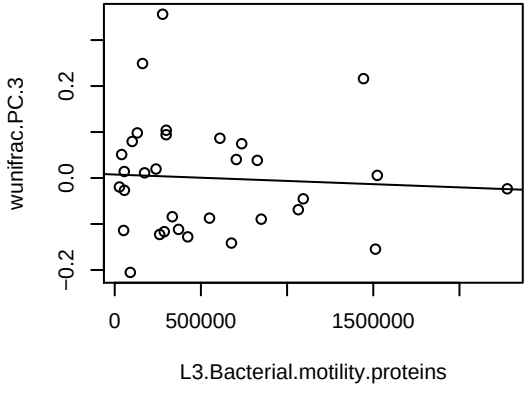
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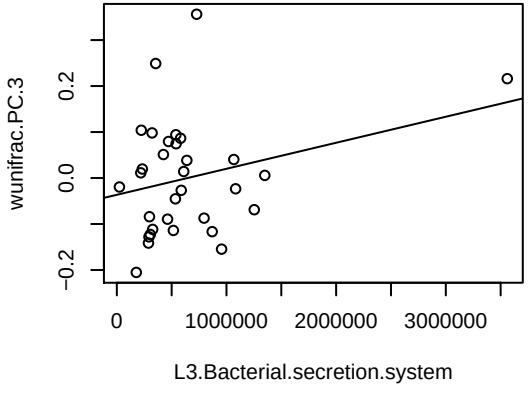
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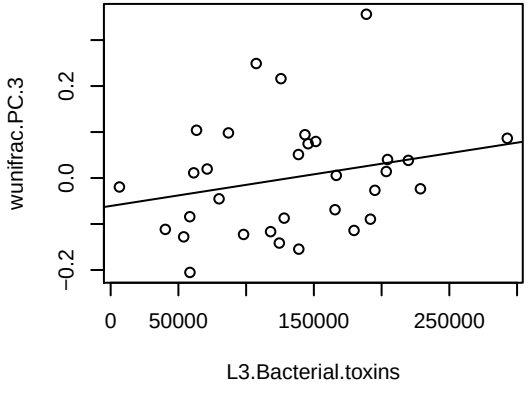
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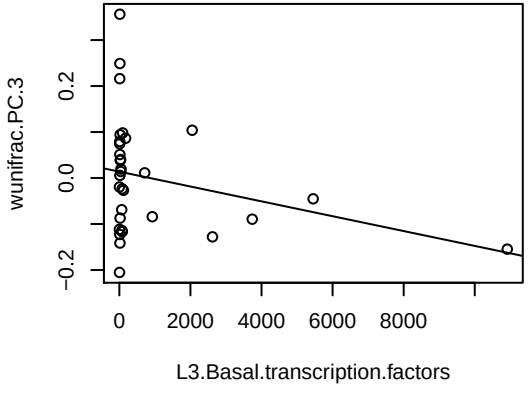
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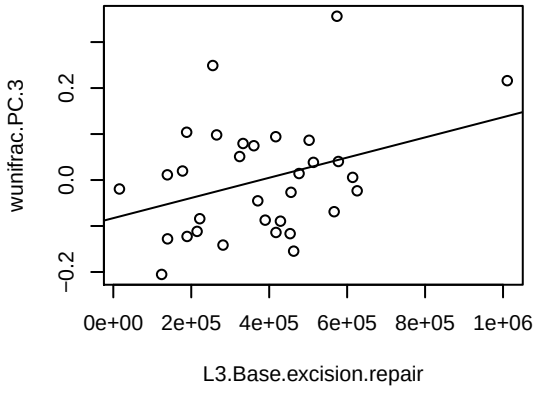
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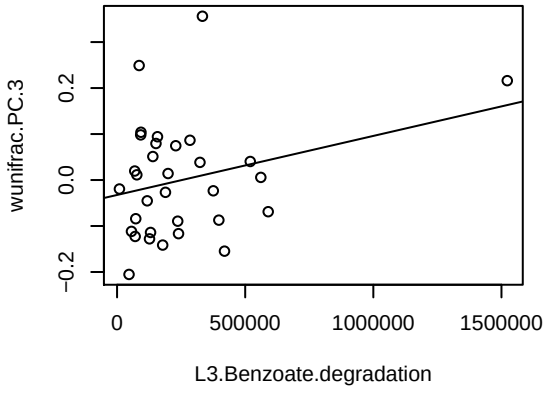
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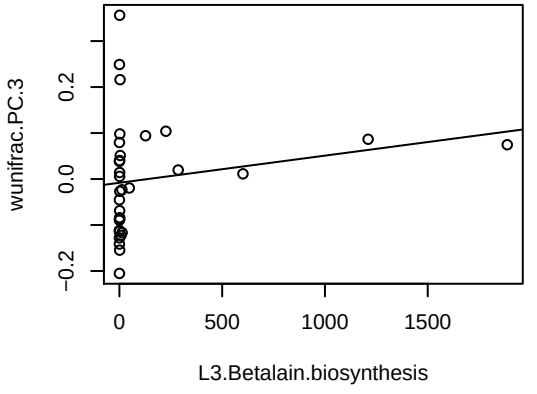
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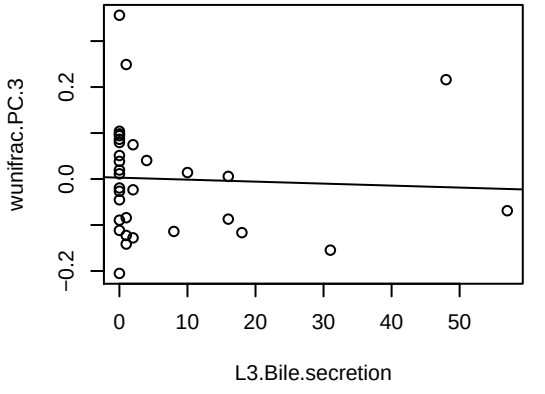
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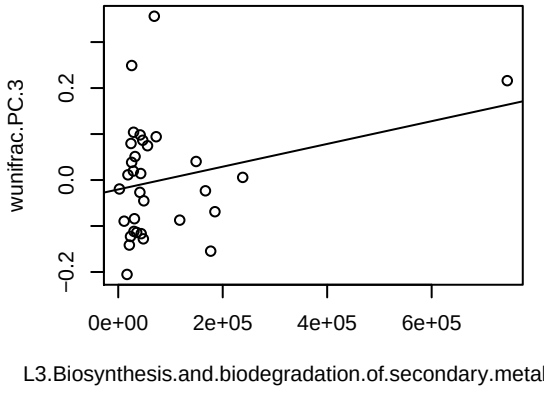
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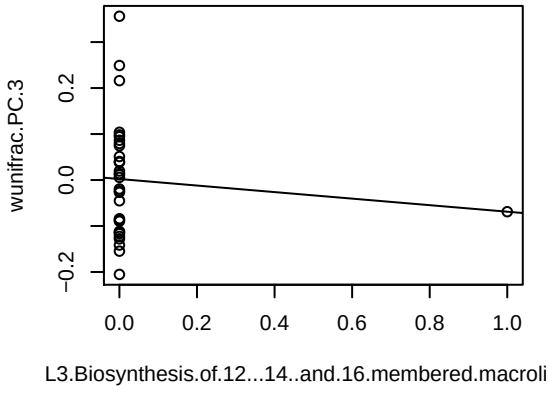
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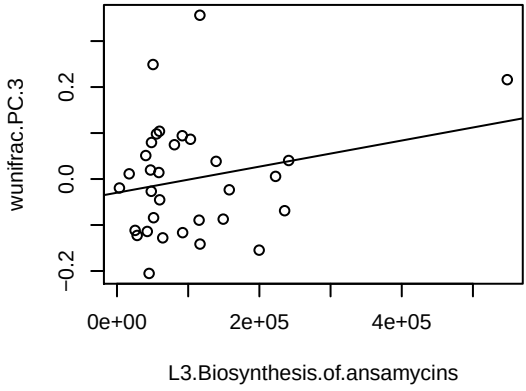
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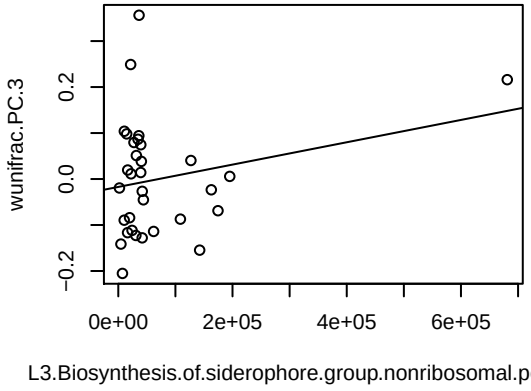
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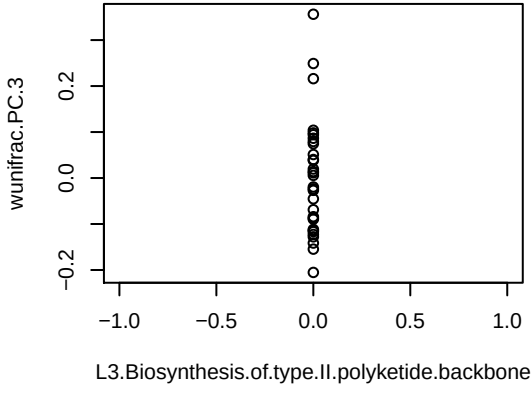
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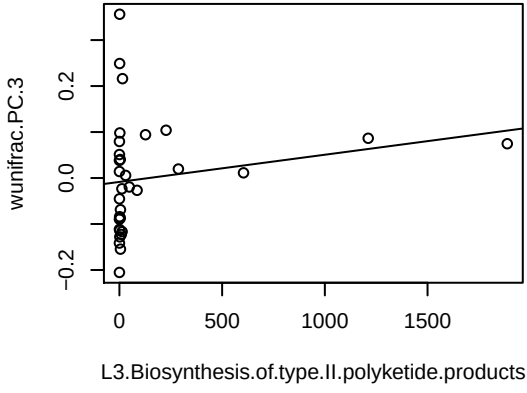
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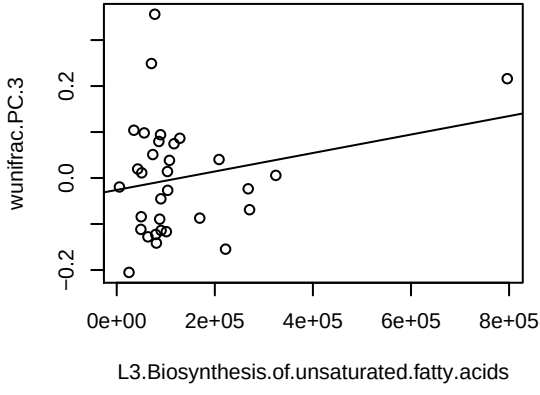
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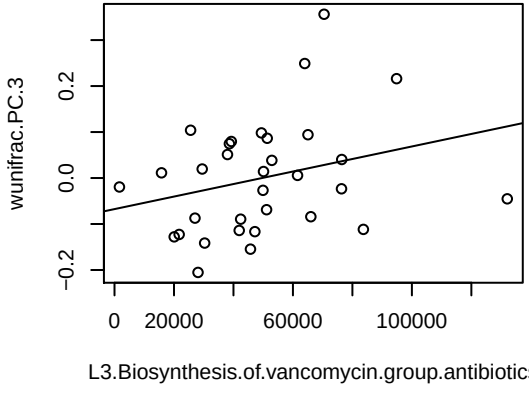
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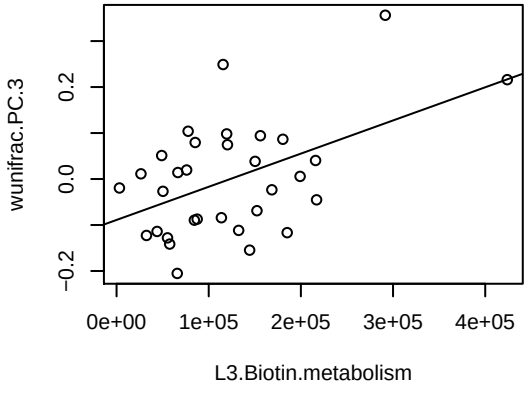
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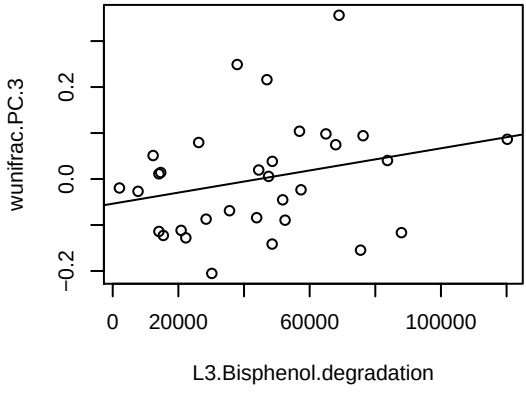
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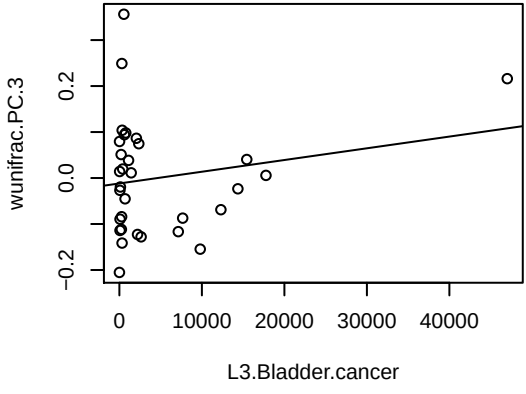
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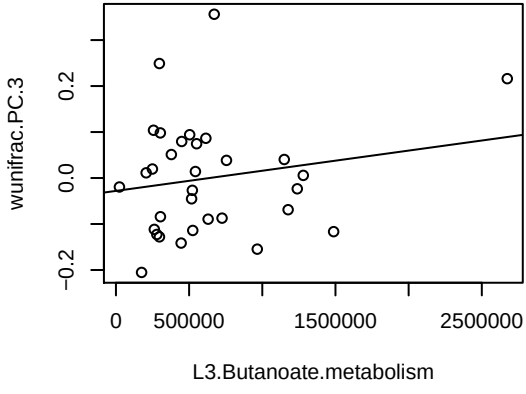
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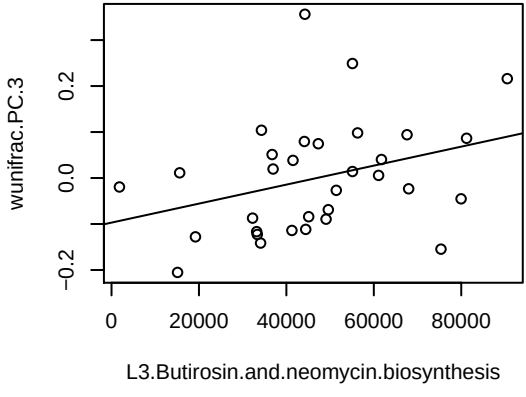
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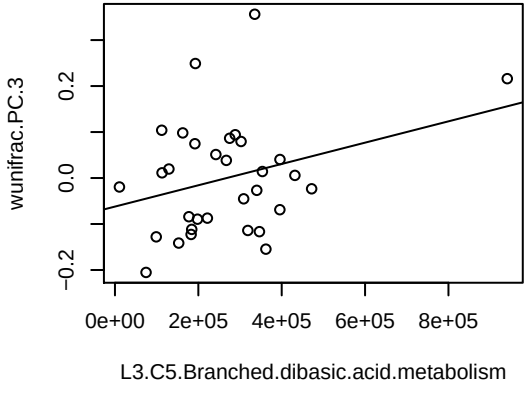
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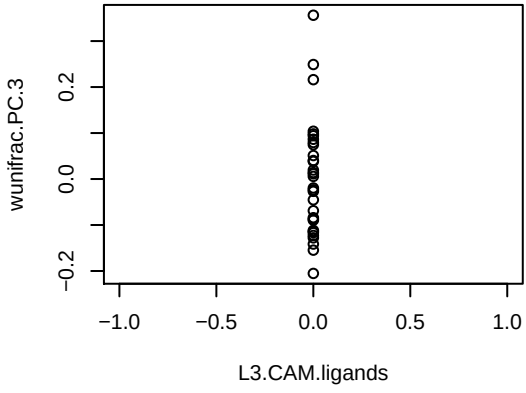
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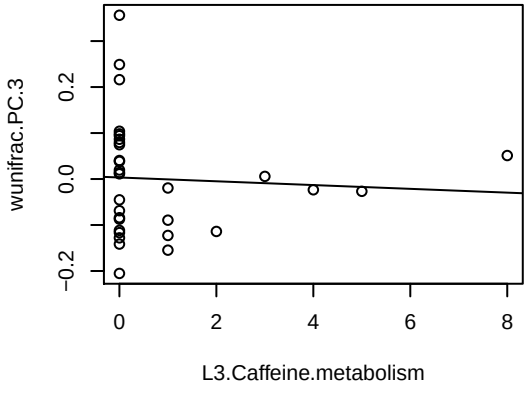
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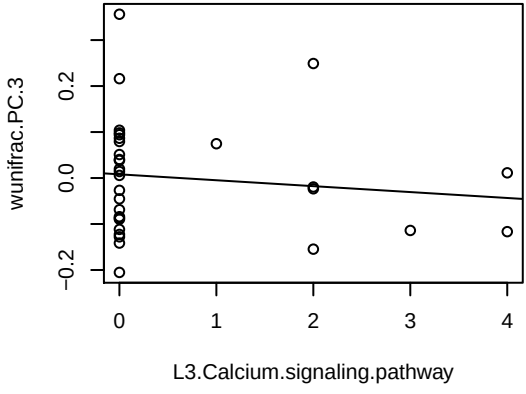
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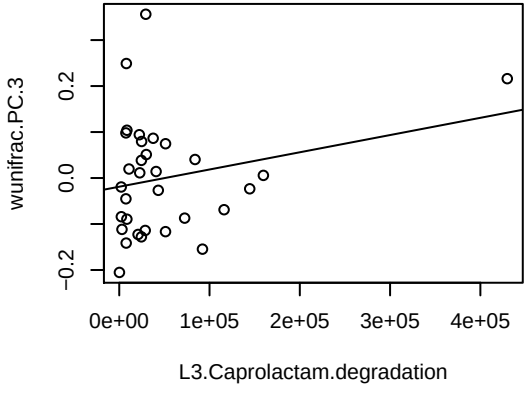
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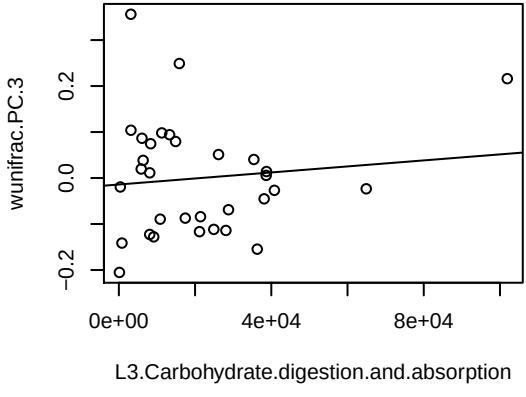
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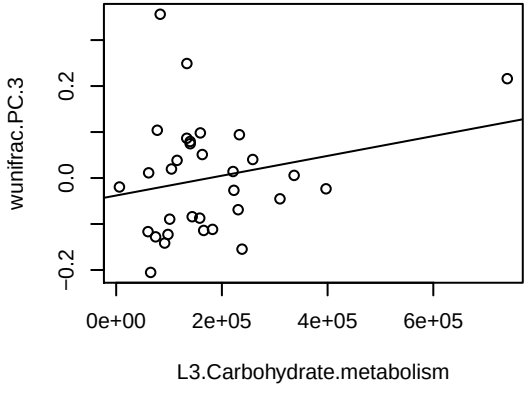
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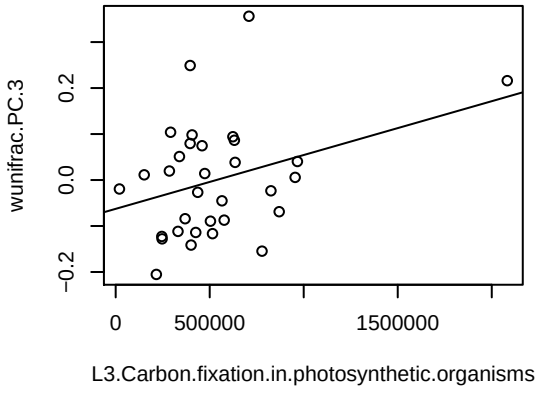
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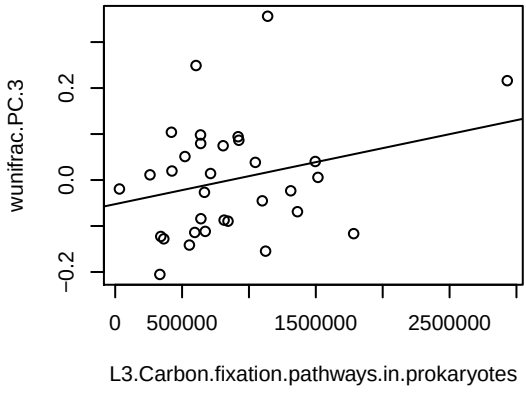
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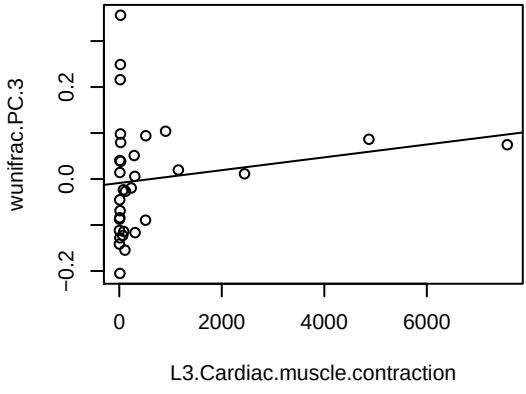
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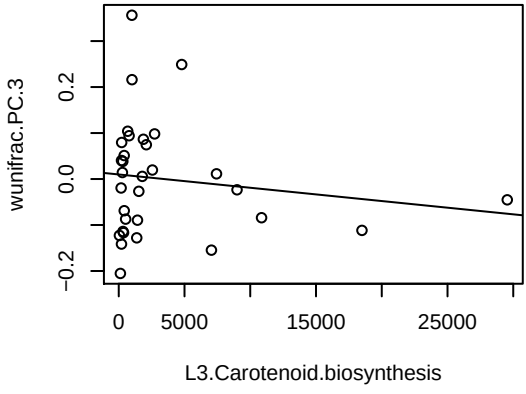
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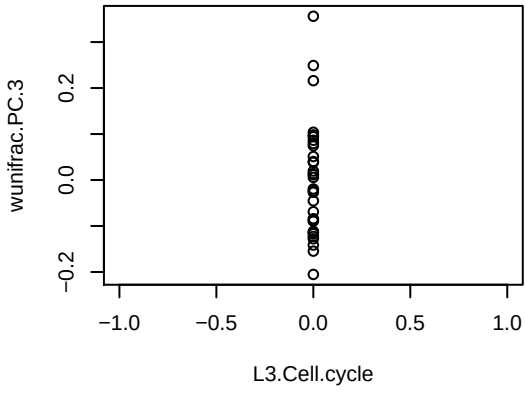
L3.Carotenoid.biosynthesis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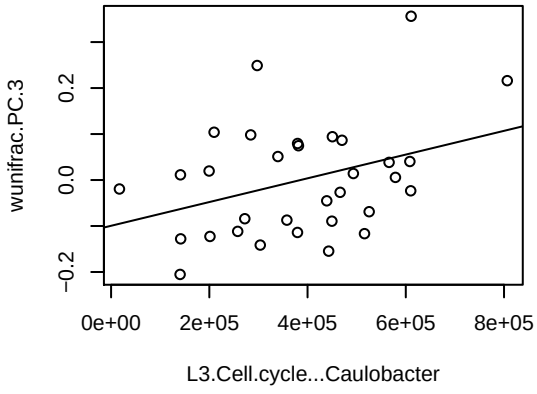
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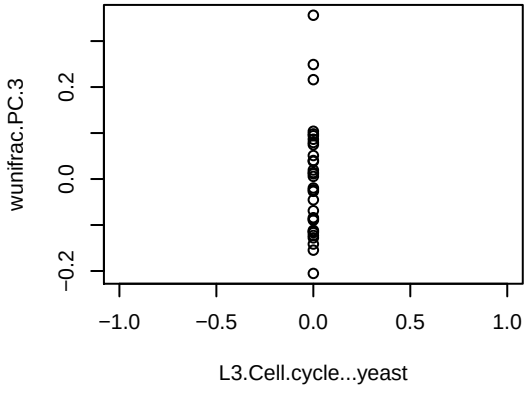
L3.Cell.cycle...Caulobacter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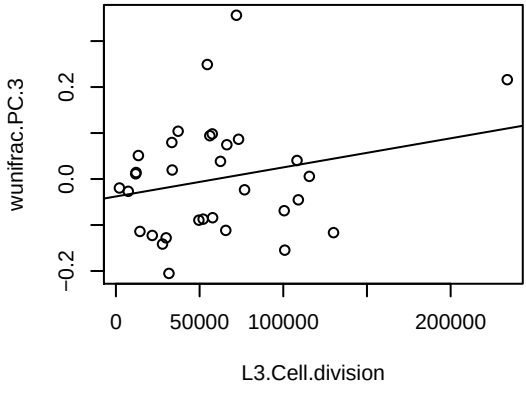
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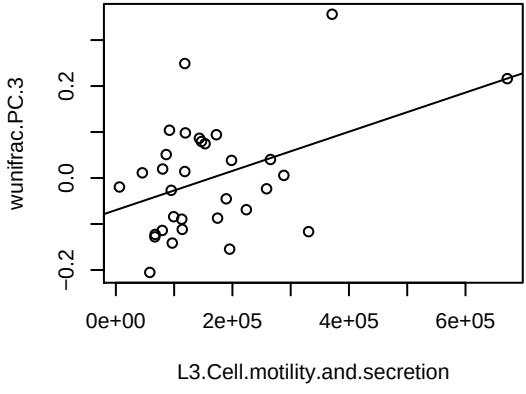
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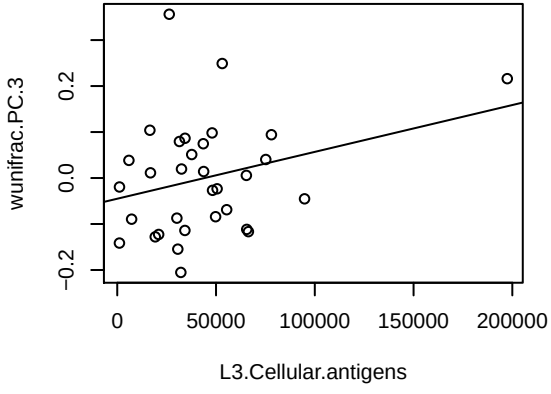
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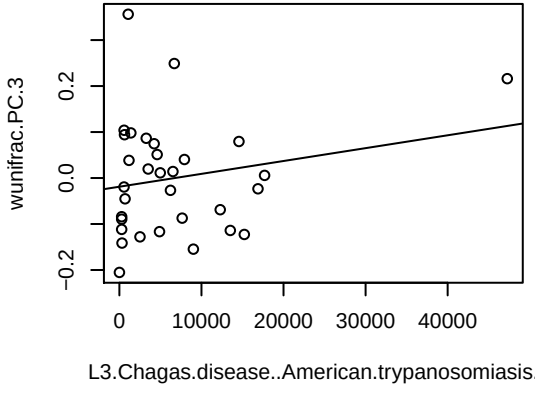
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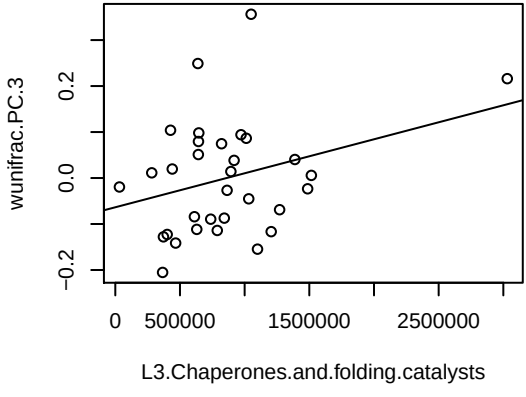
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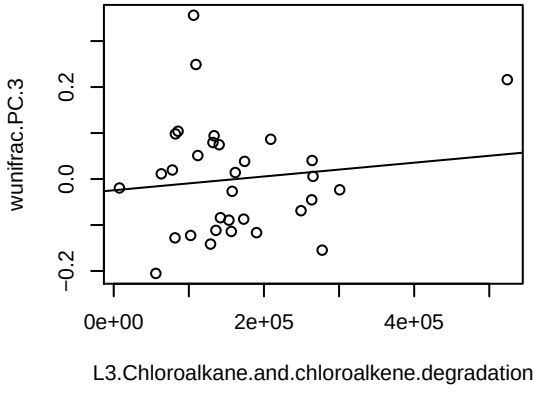
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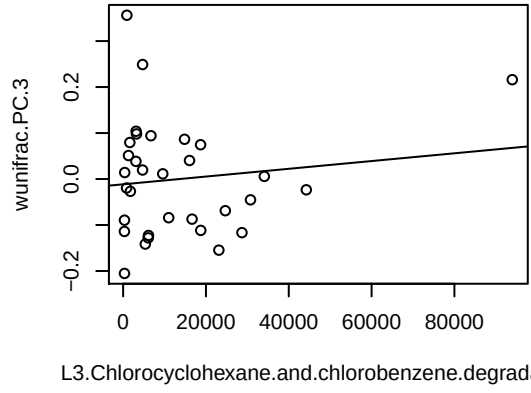
L3.Chloroalkane.and.chloroalkene.degradation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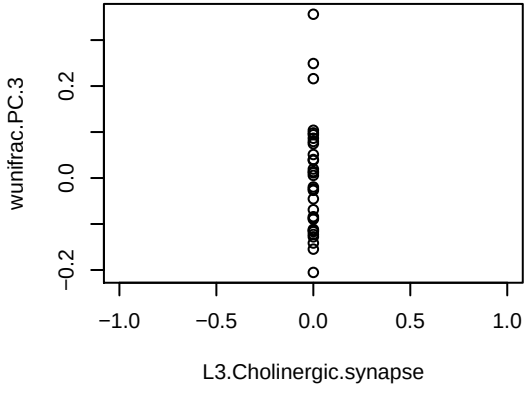
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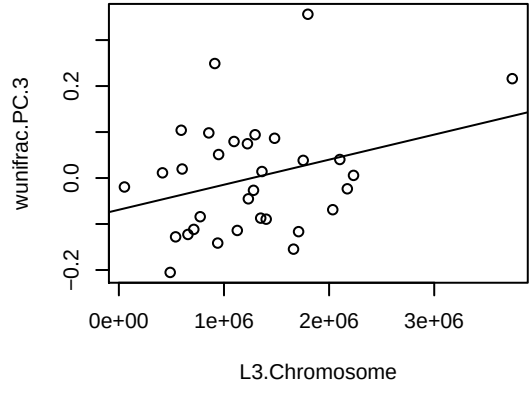
L3.Cholinergic.synapse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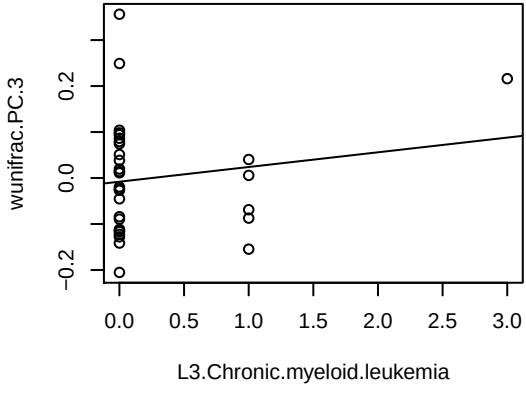
L3.Chromosome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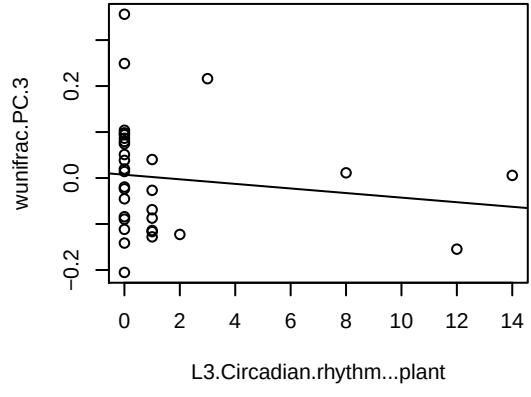
L3.Chronic.myeloid.leukemia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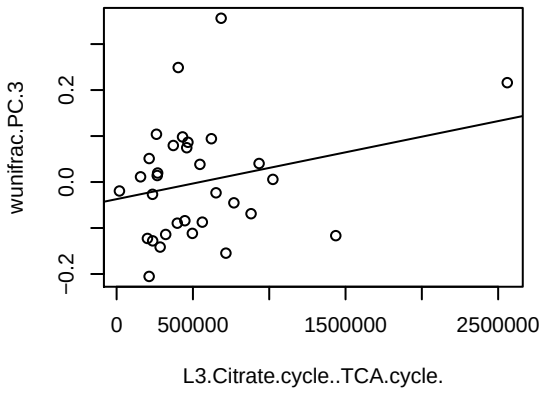
L3.Circadian.rhythm...plant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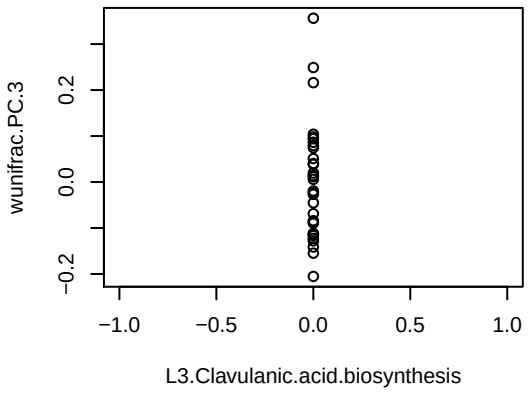
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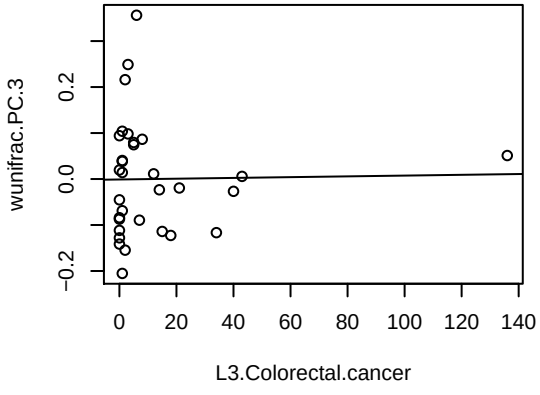
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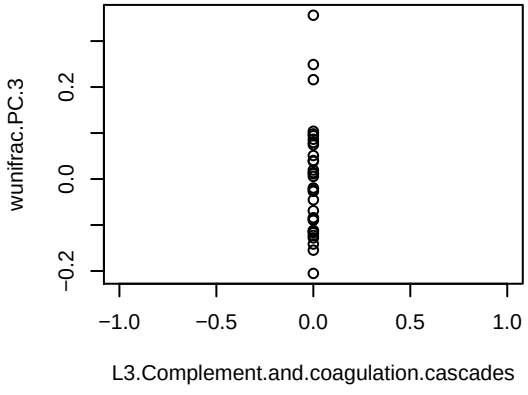
L3.Colorectal.cancer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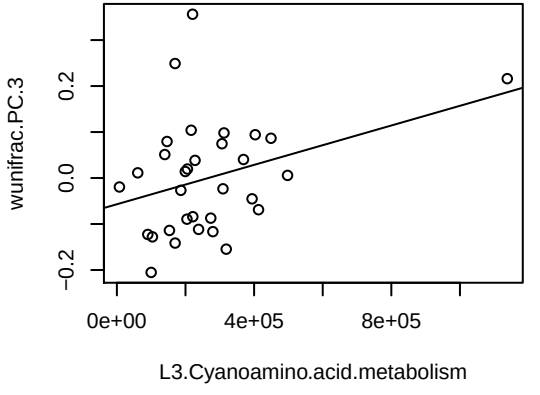
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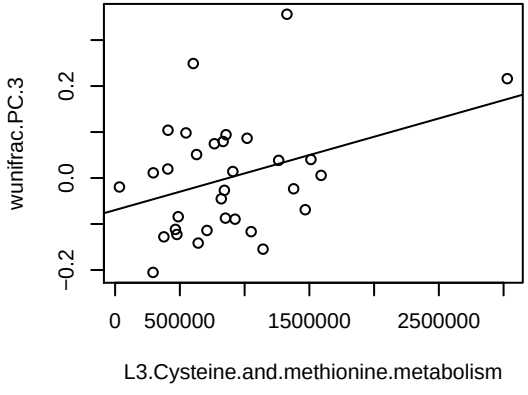
L3.Cyanoamino.acid.metabolism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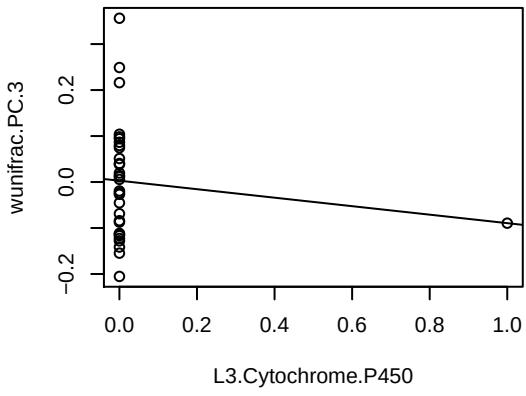
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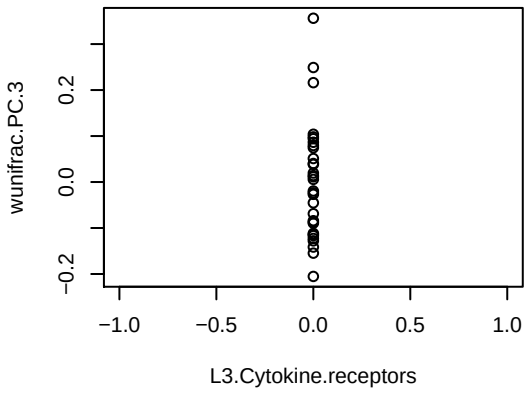
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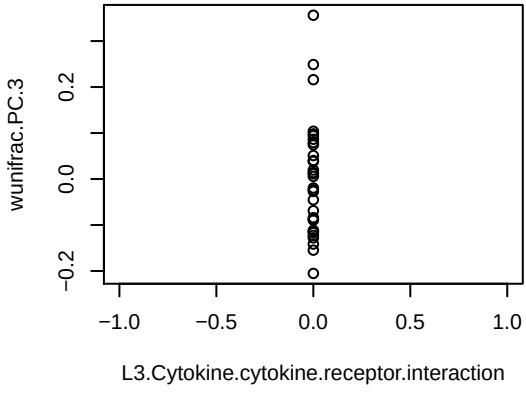
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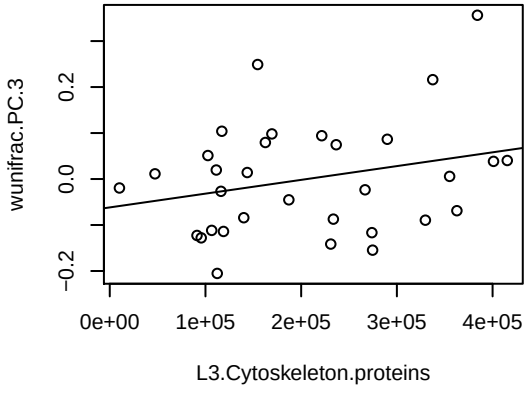
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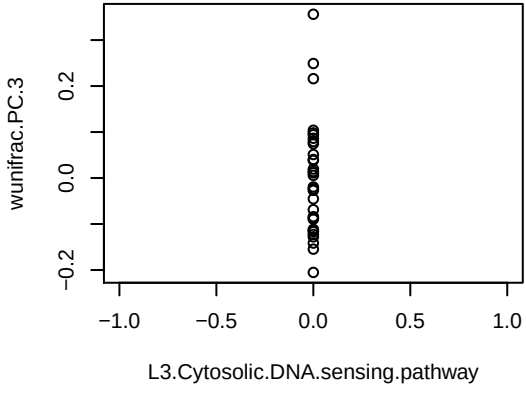
L3.Cytoskeleton.proteins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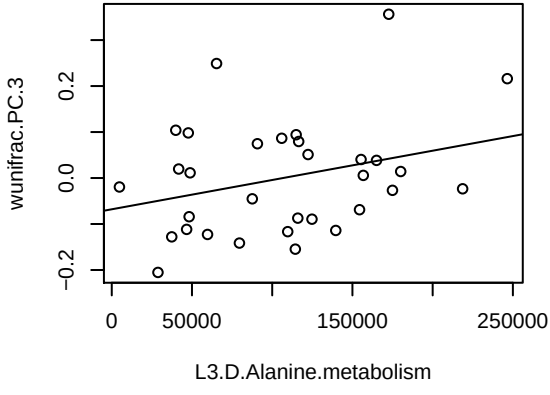
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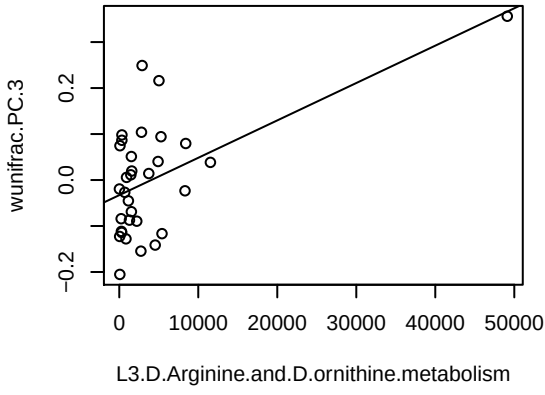
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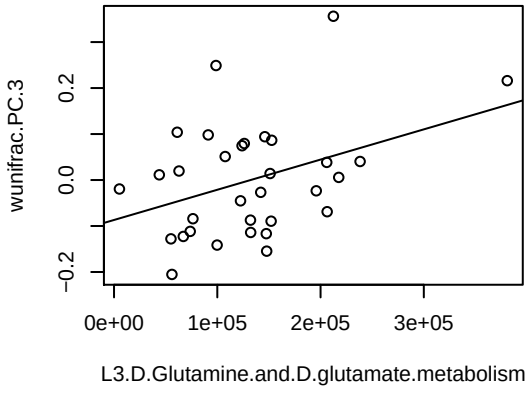
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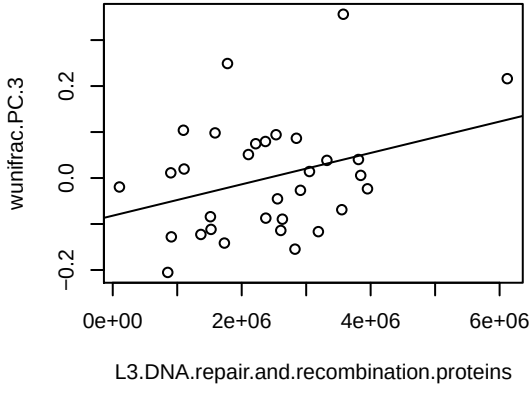
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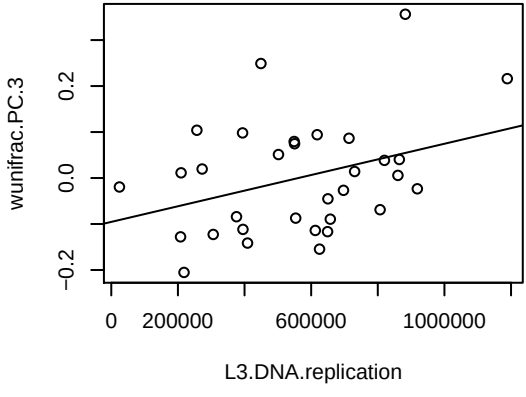
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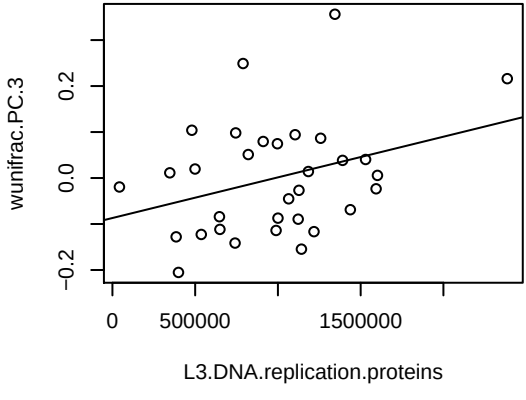
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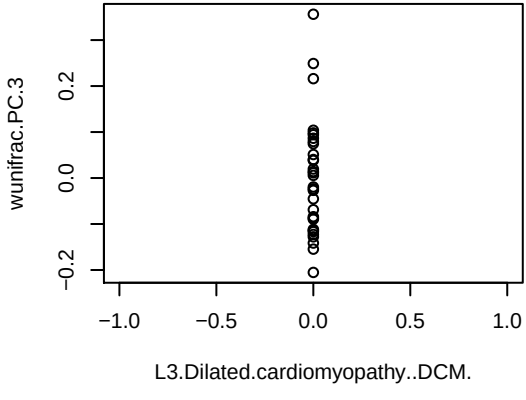
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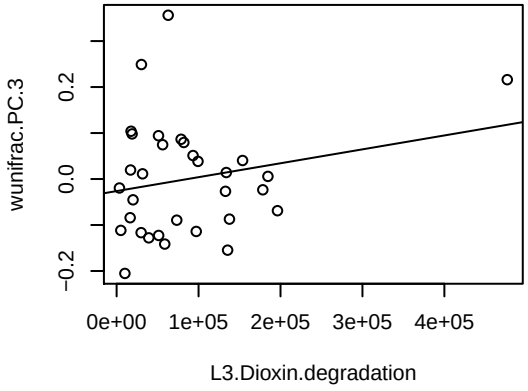
L3.Dilated.cardiomyopathy..DCM.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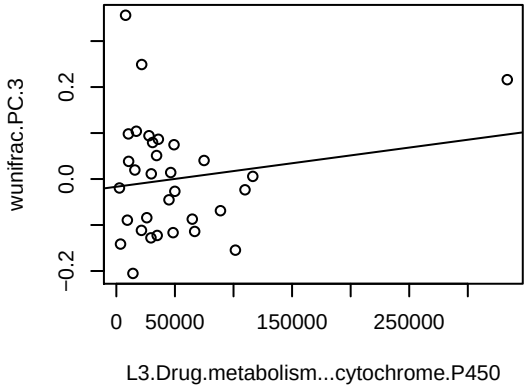
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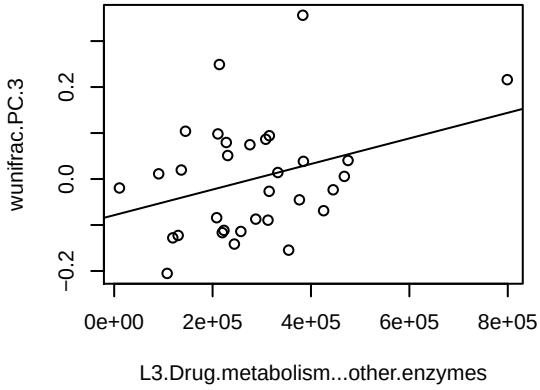
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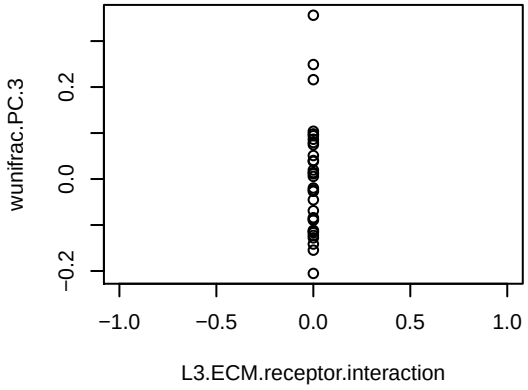
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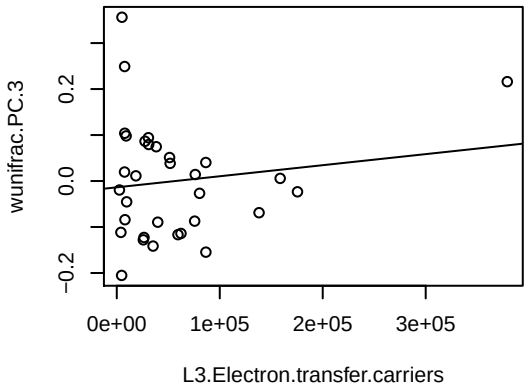
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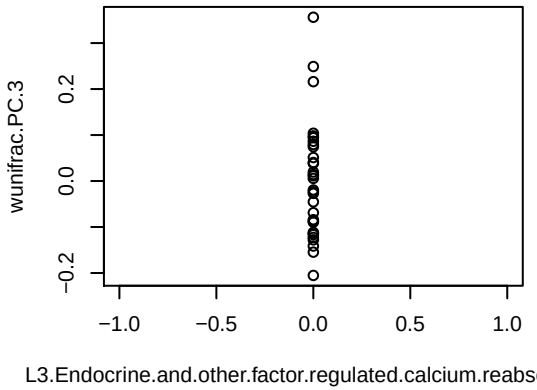
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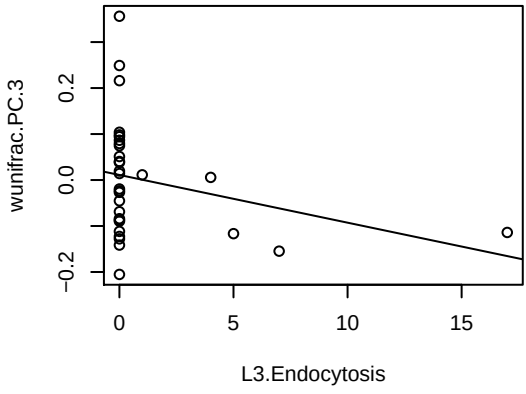
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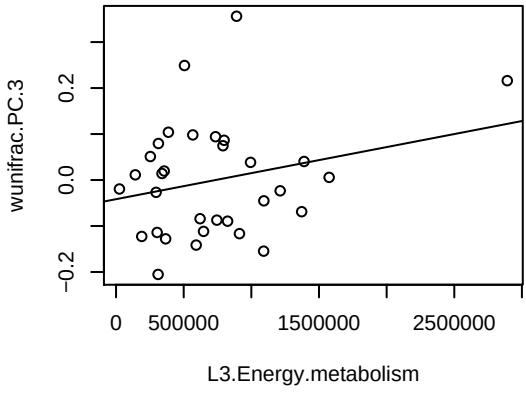
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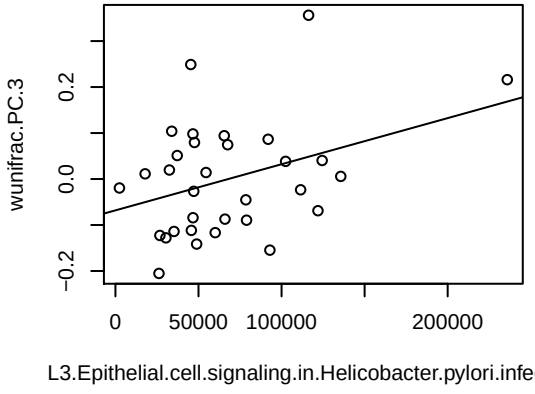
L3.Energy.metabolism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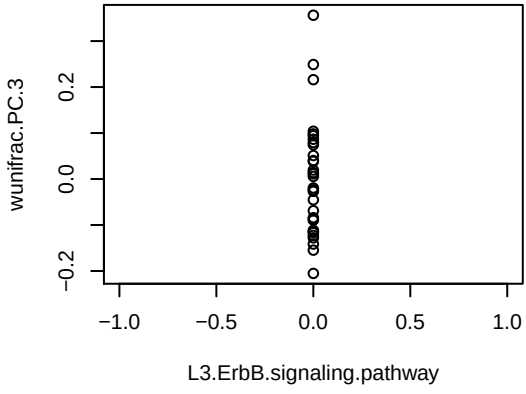
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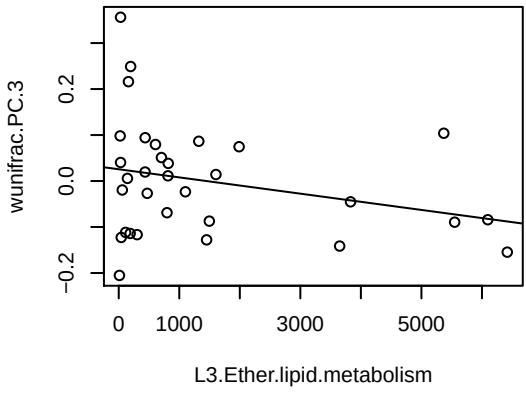
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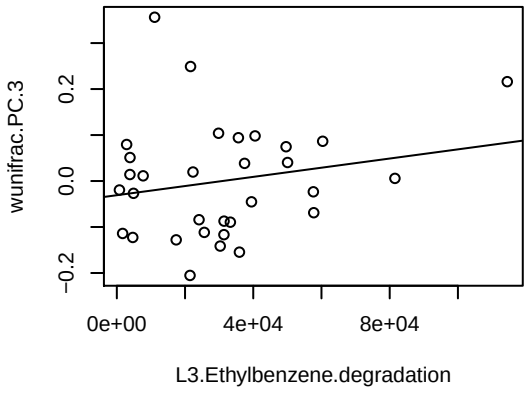
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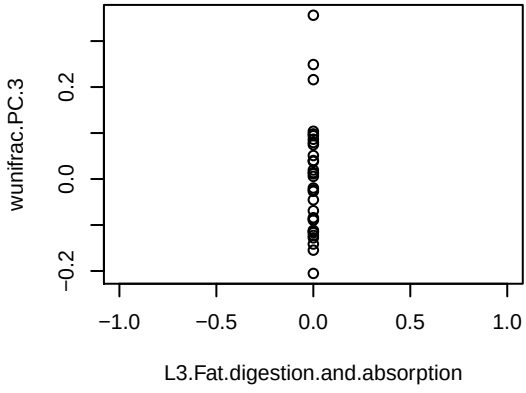
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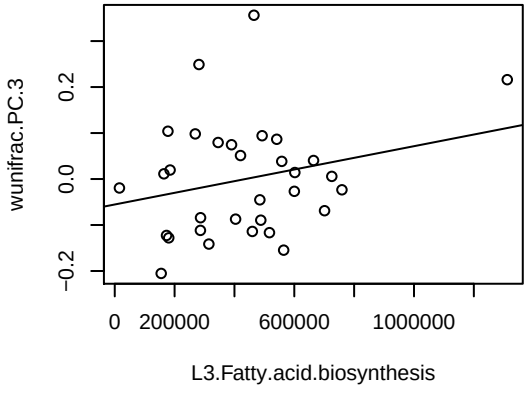
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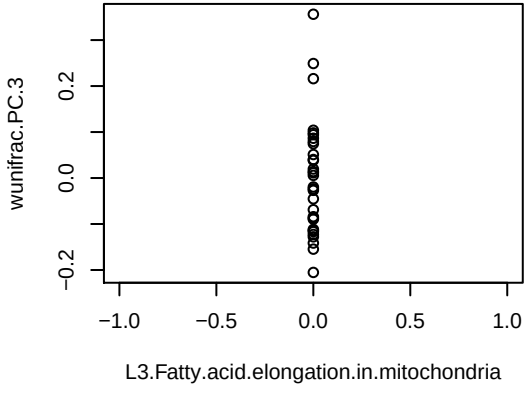
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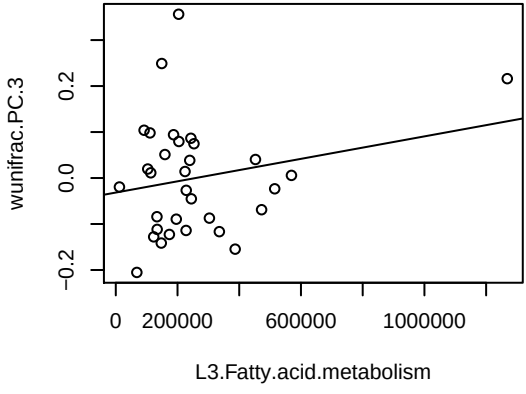
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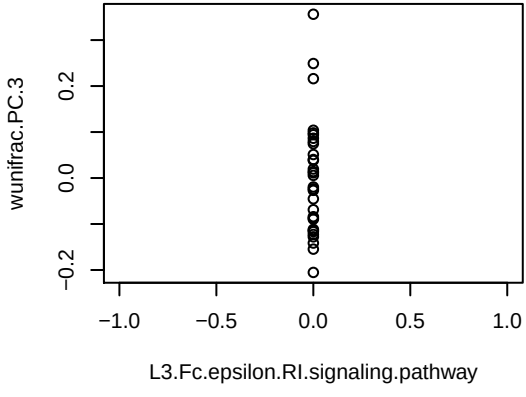
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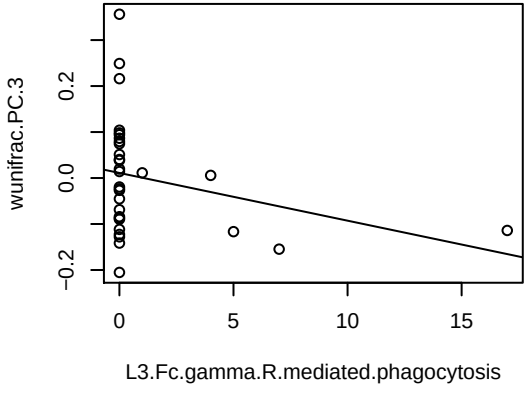
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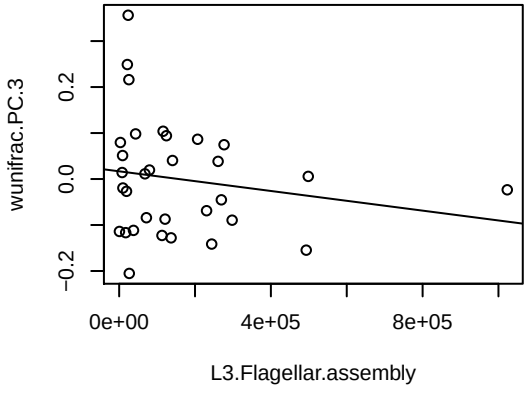
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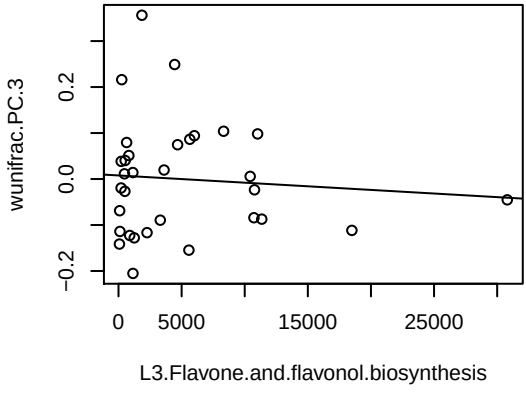
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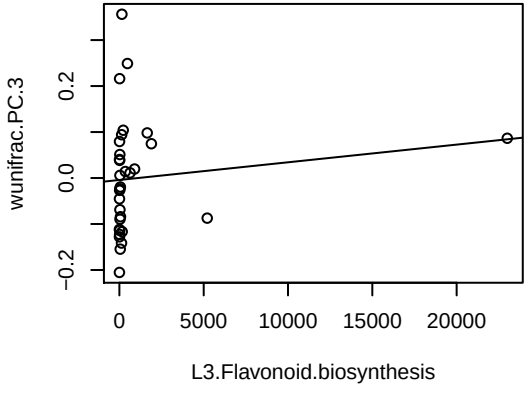
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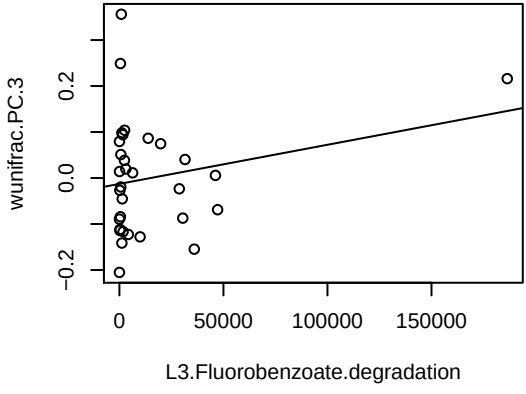
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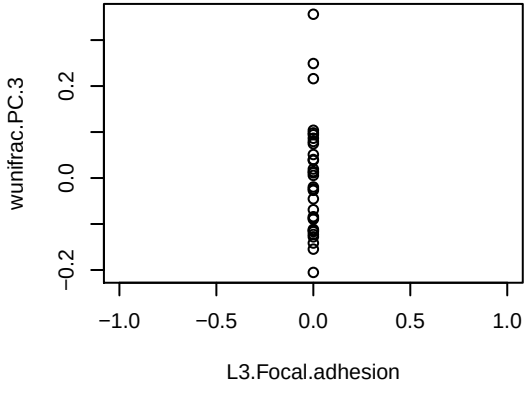
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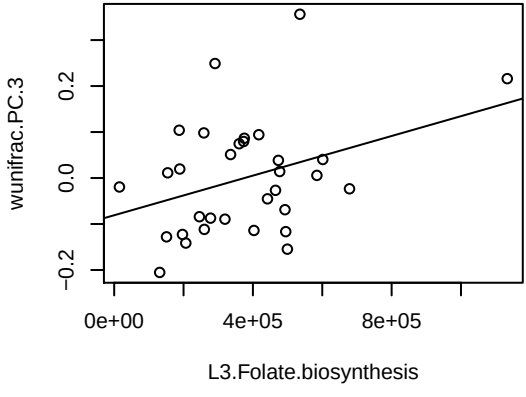
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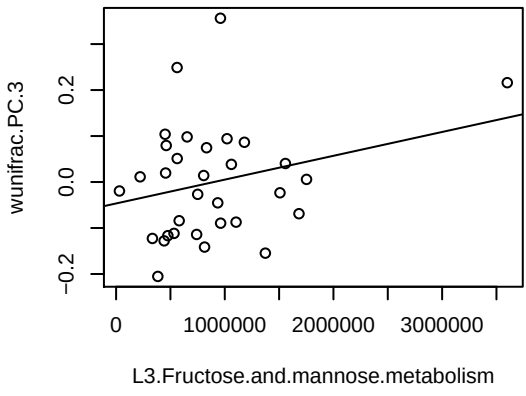
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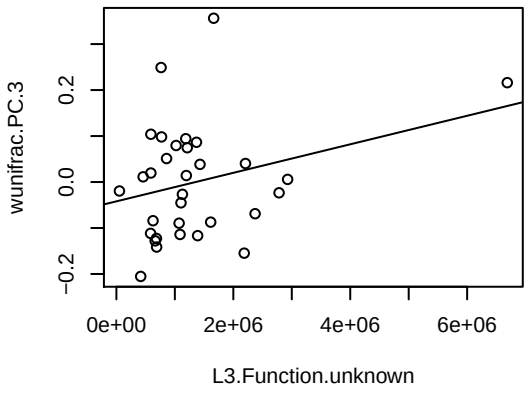
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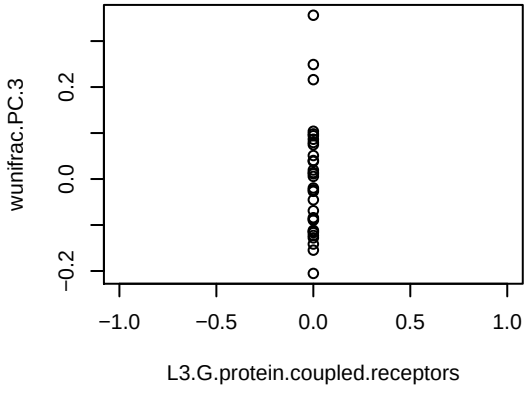
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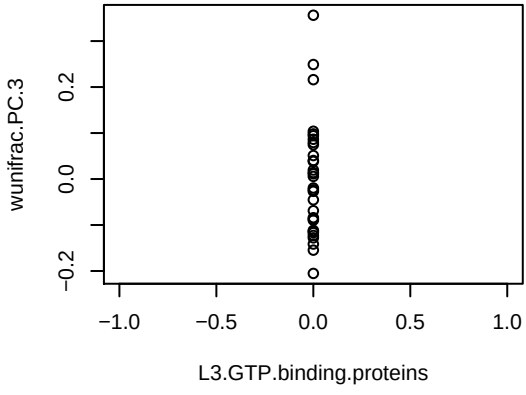
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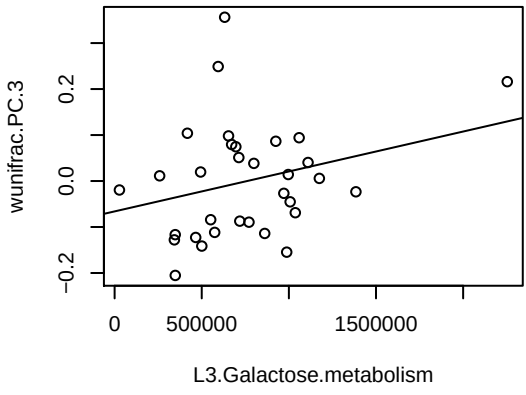
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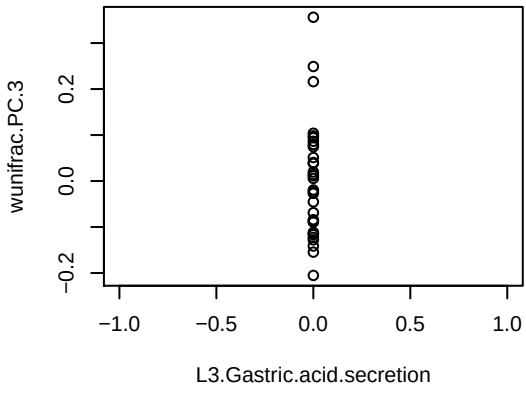
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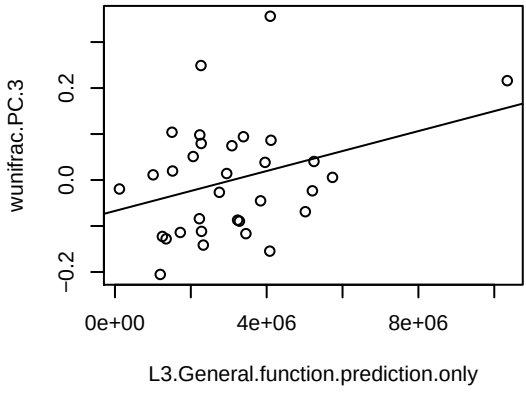
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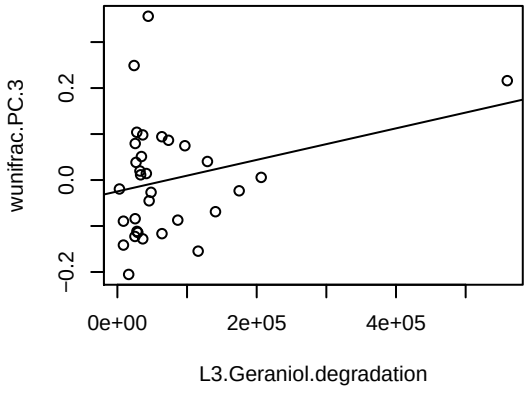
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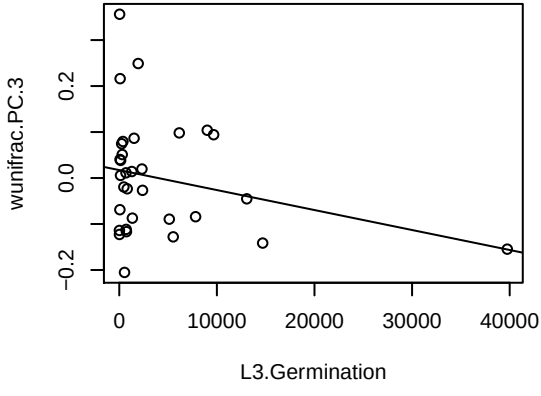
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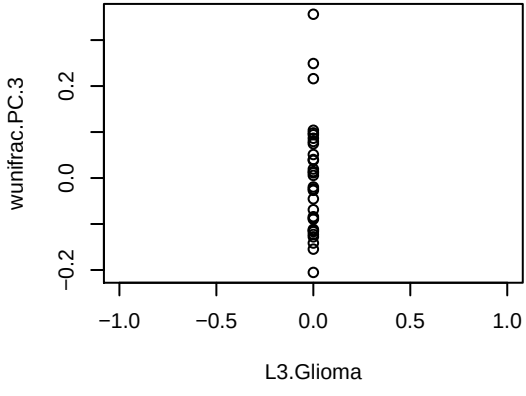
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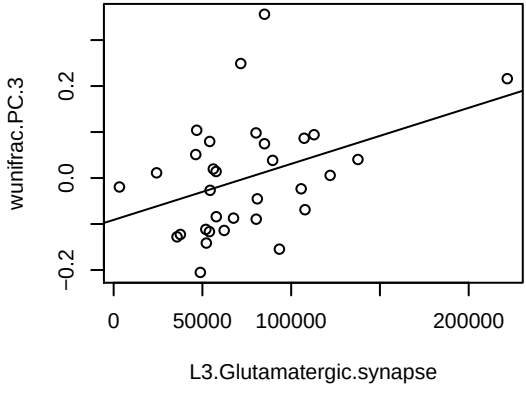
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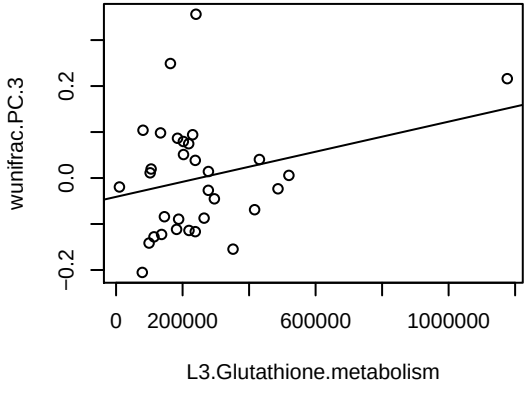
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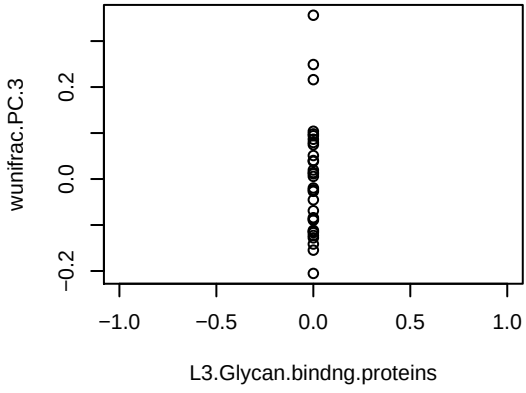
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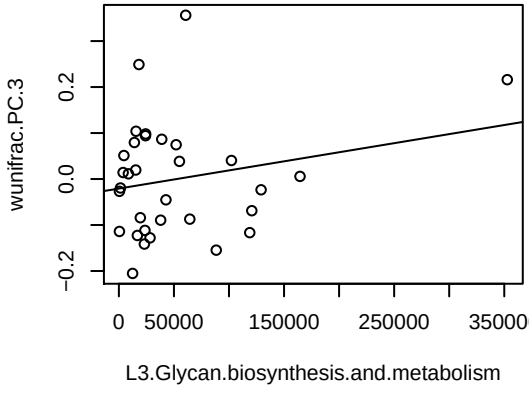
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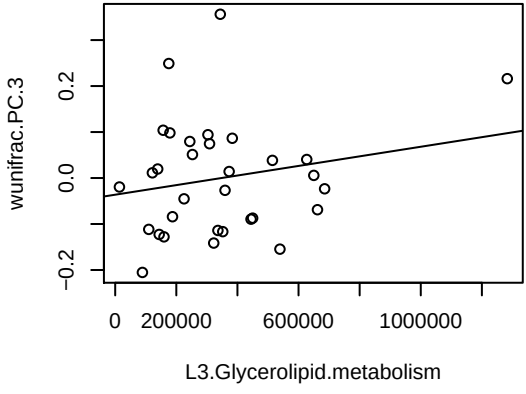
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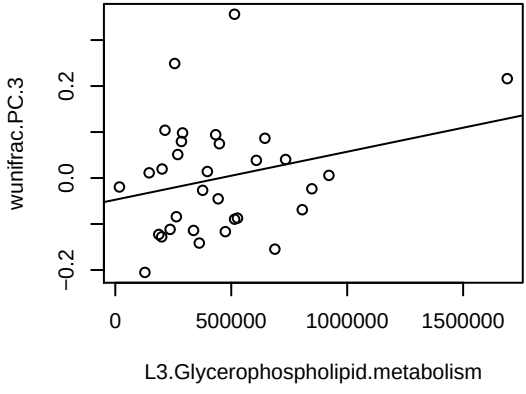
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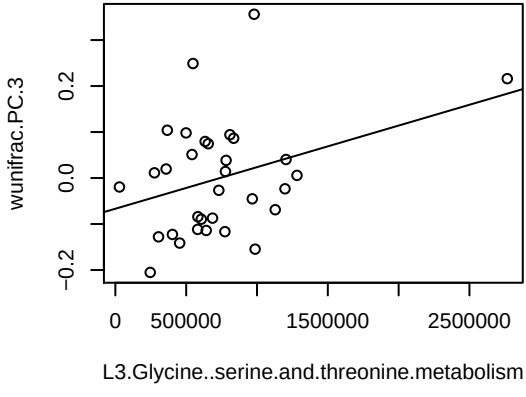
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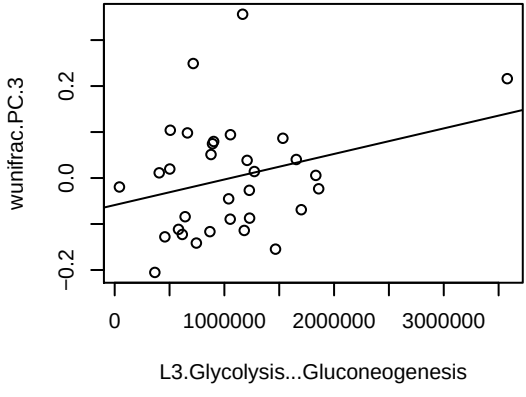
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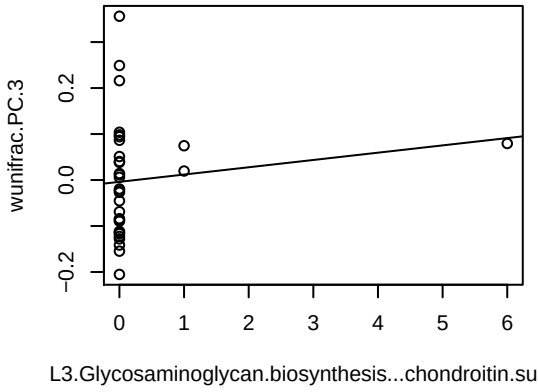
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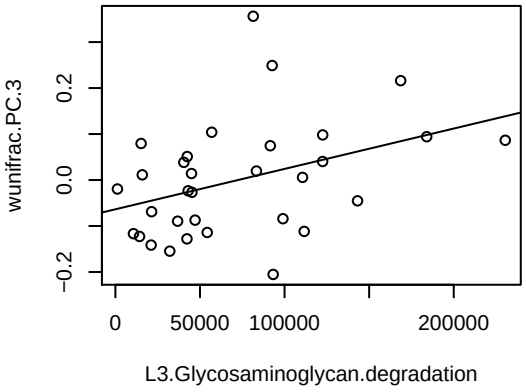
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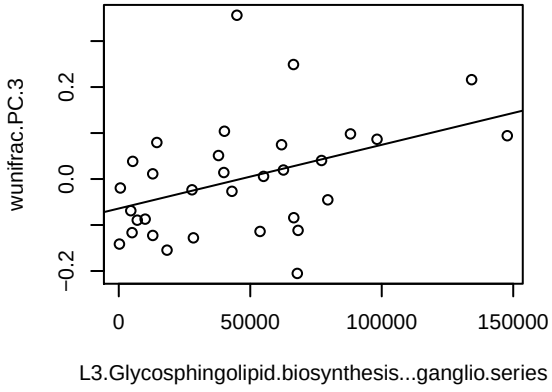
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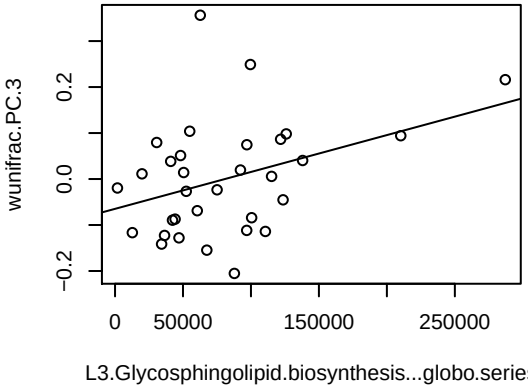
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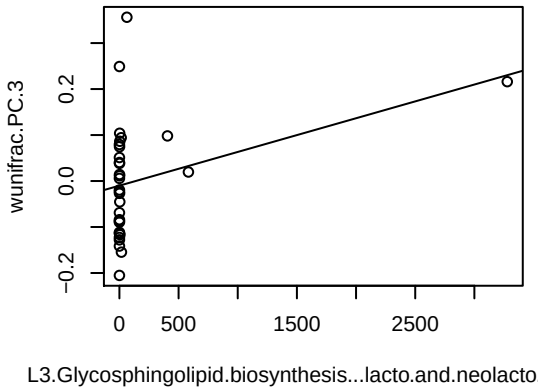
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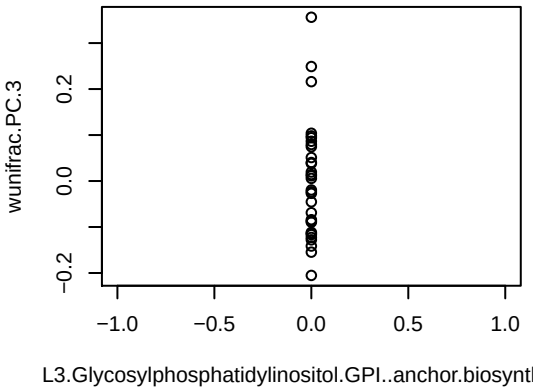
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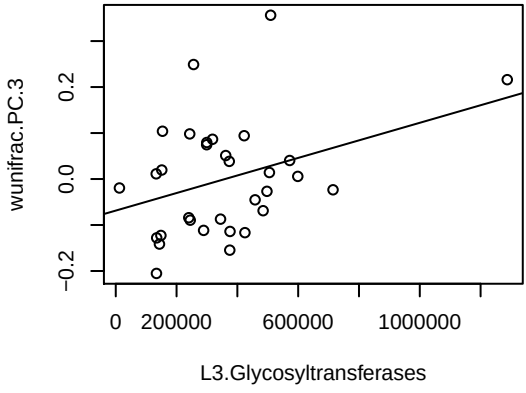
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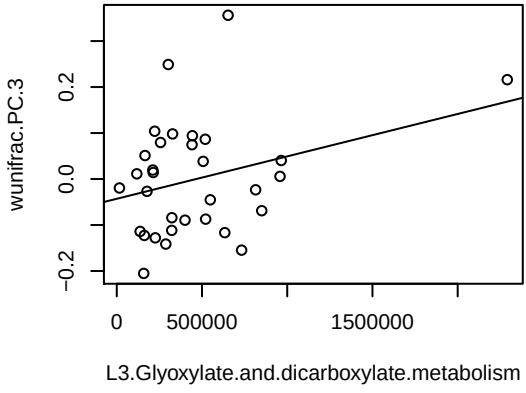
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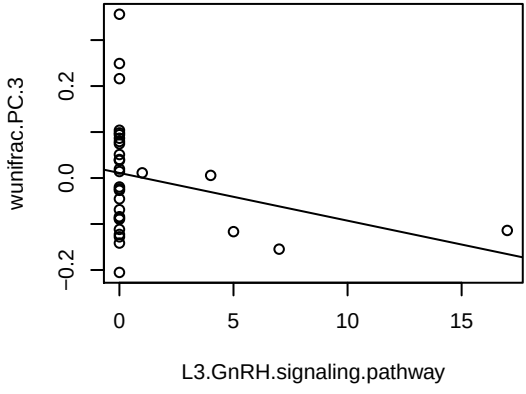
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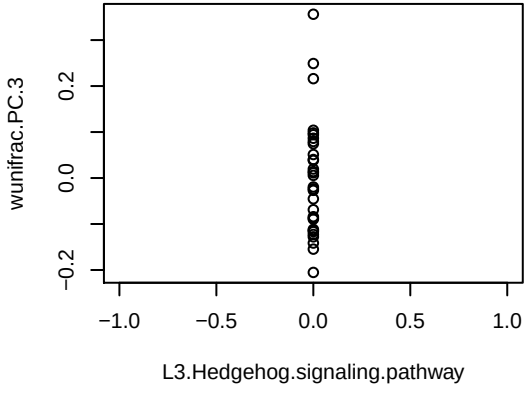
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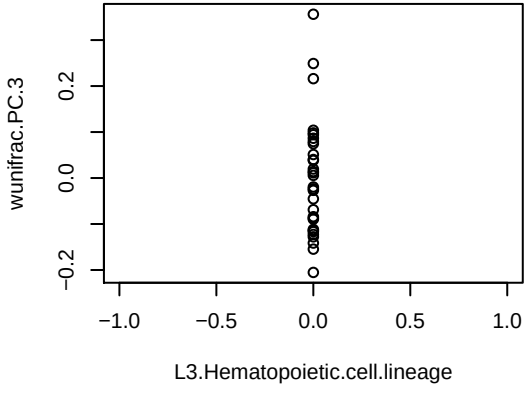
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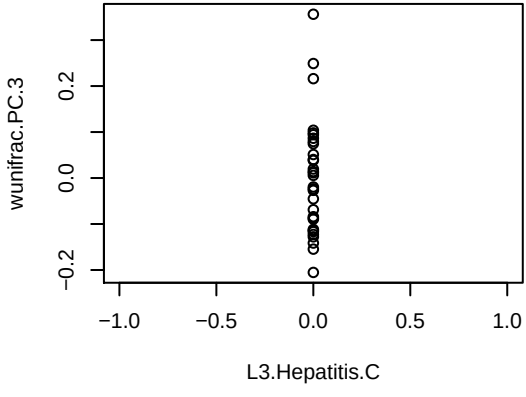
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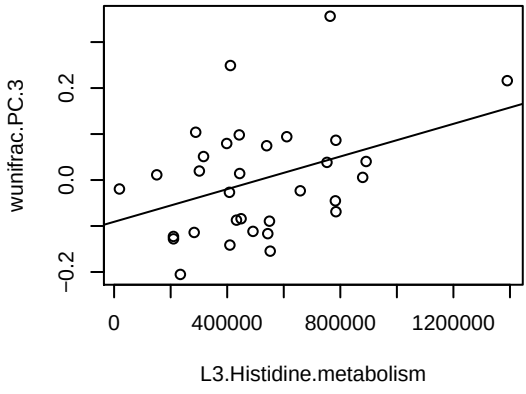
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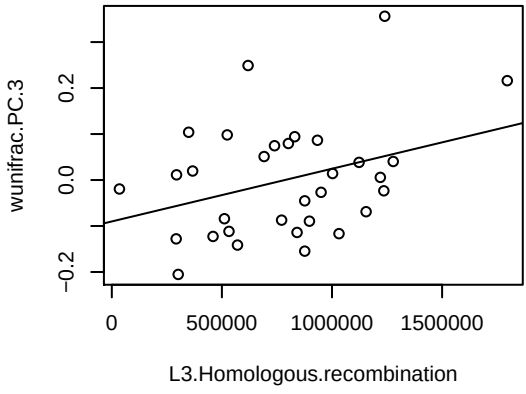
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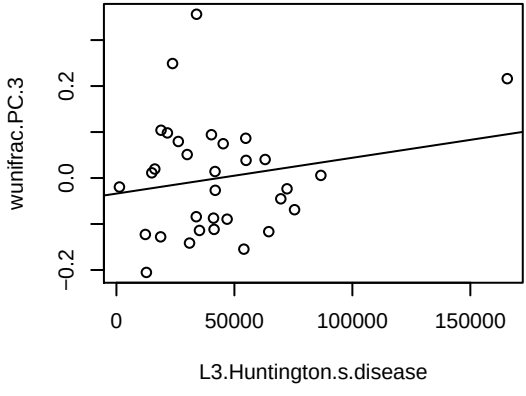
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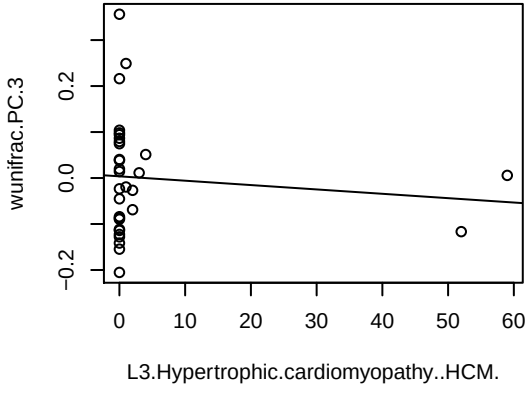
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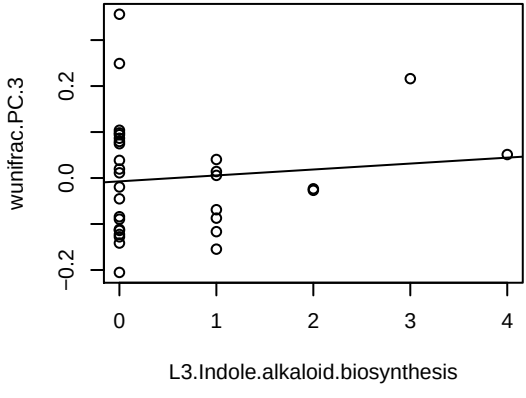
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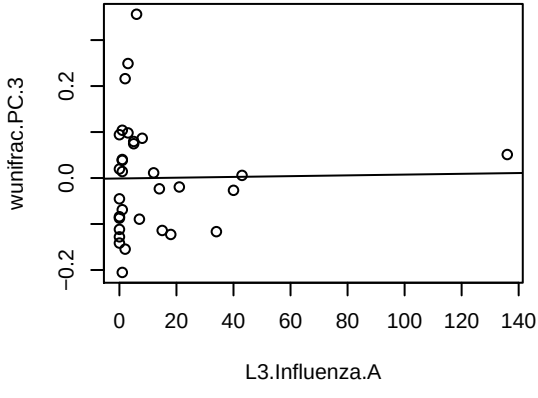
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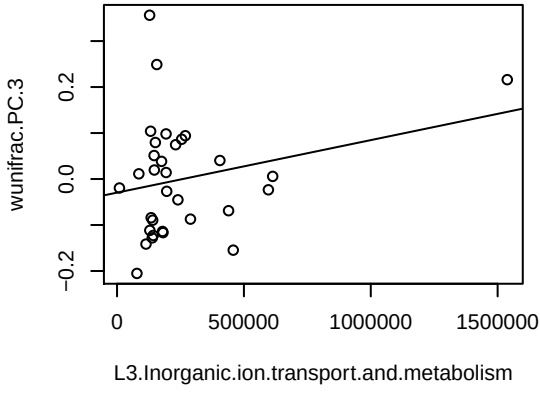
L3.Influenza.A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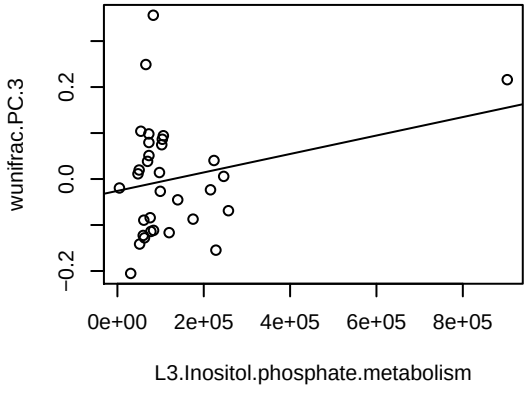
L3.Inorganic.ion.transport.and.metabolism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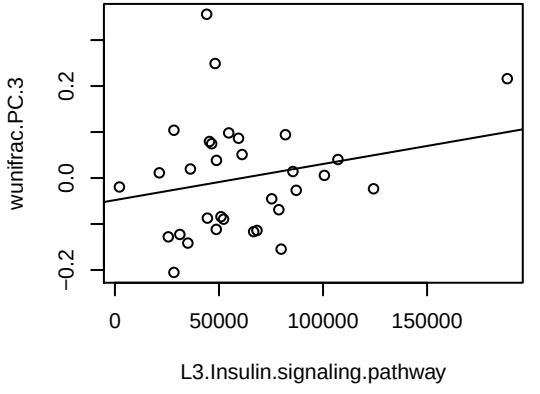
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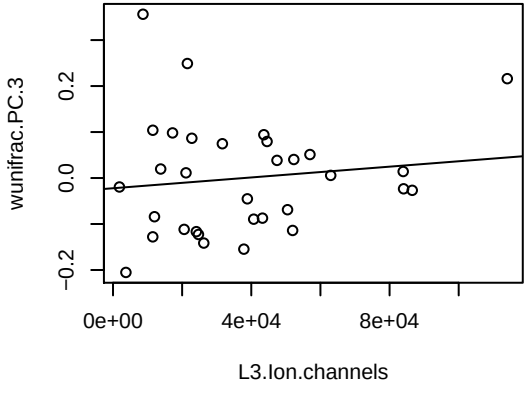
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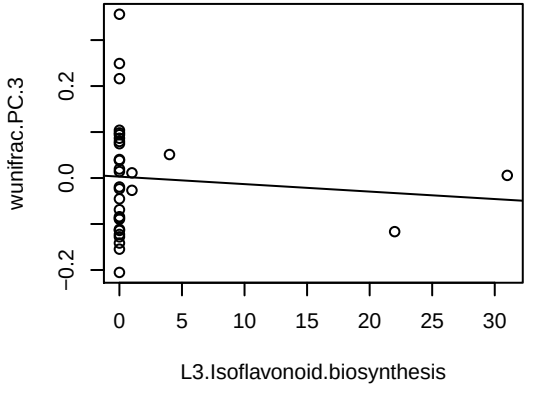
L3.Ion.channels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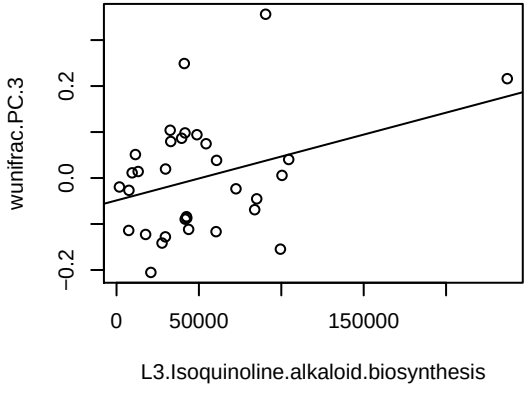
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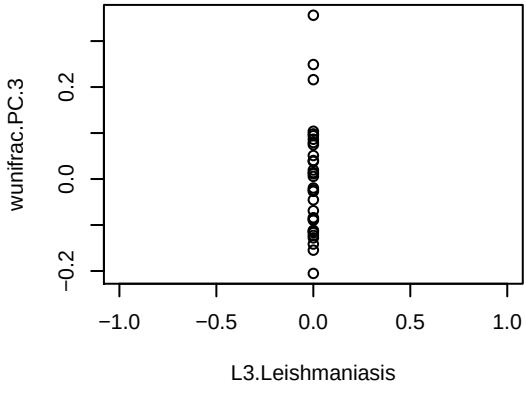
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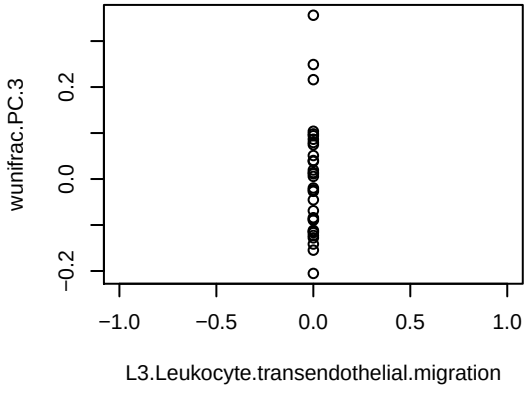
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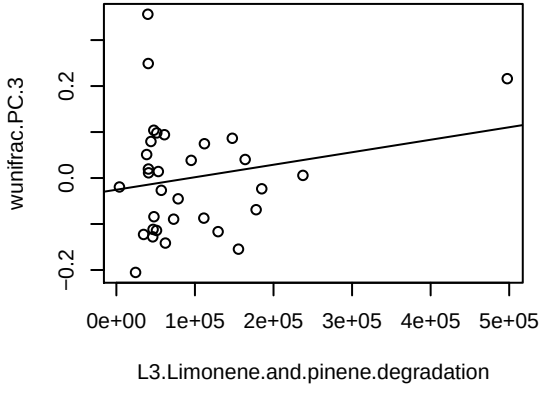
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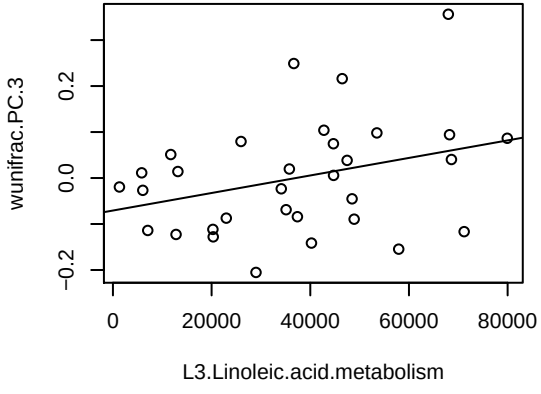
L3.Limonene.and.pinene.degradation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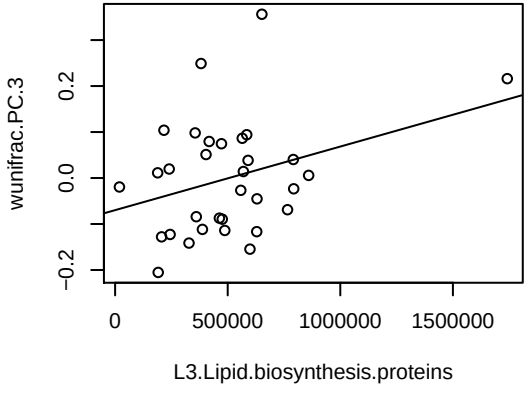
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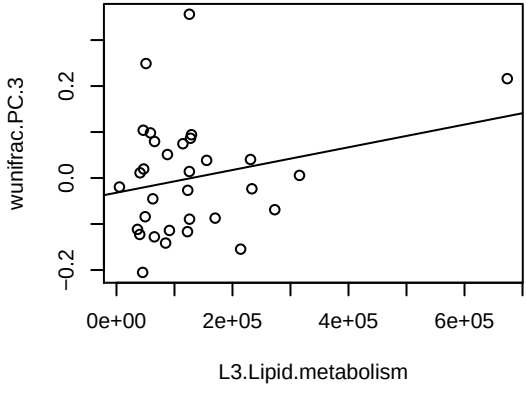
L3.Lipid.biosynthesis.proteins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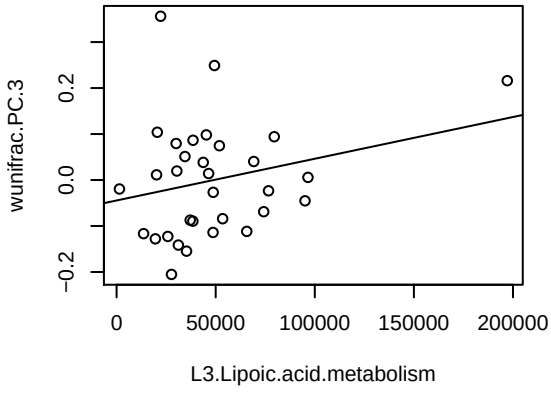
L3.Lipid.metabolism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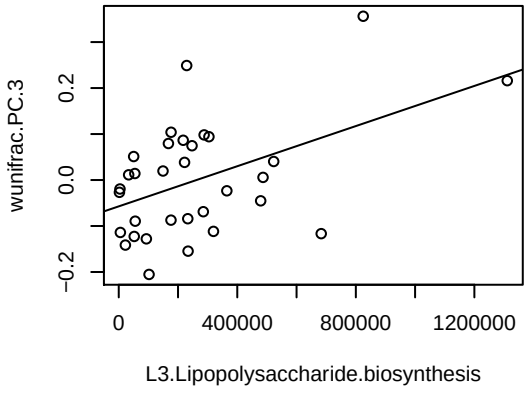
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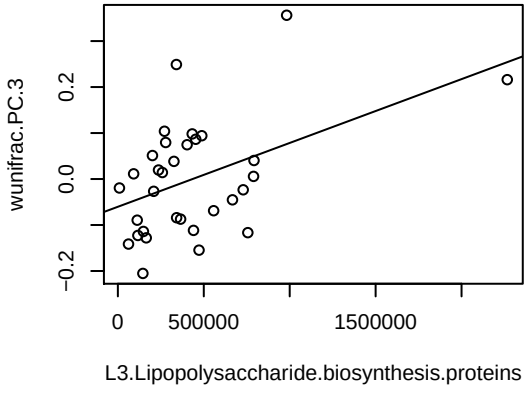
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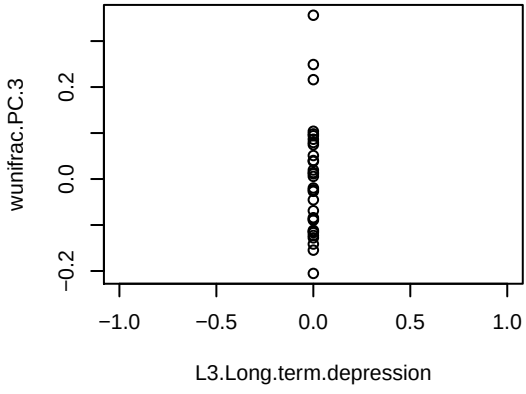
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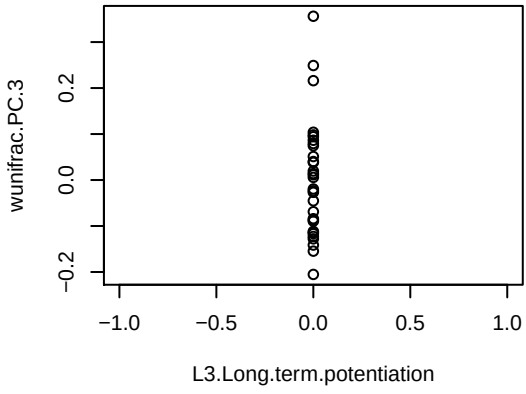
L3.Long.term.depression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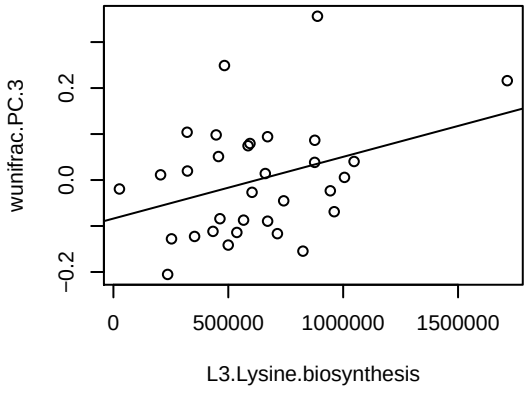
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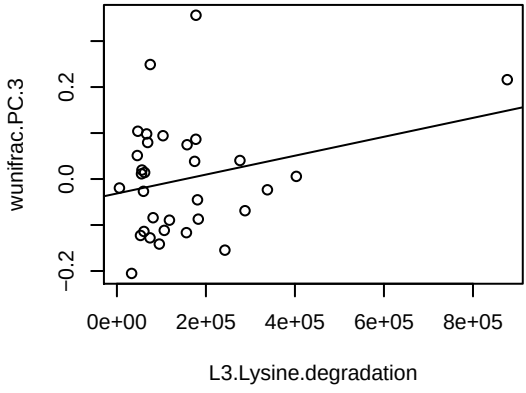
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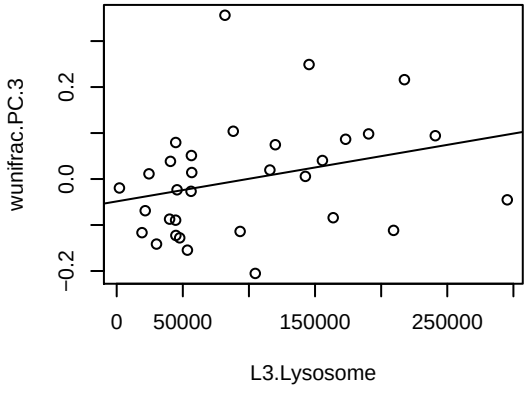
L3.Lysine.degradation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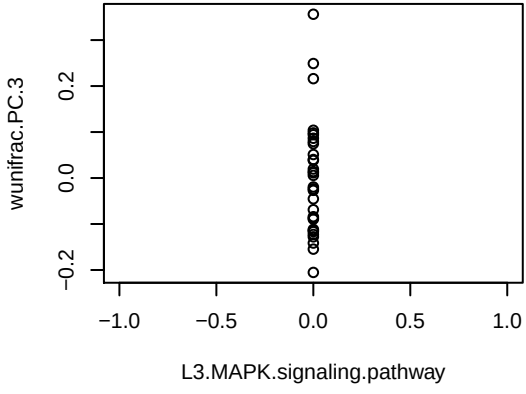
L3.Lysosome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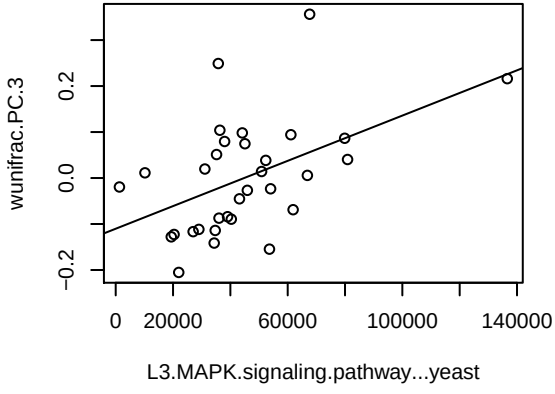
L3.MAPK.signaling.pathway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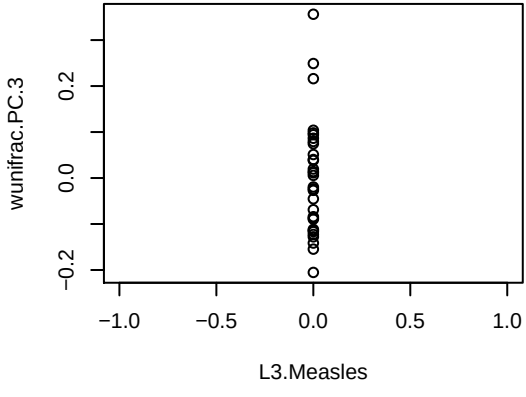
L3.MAPK.signaling.pathway...yeast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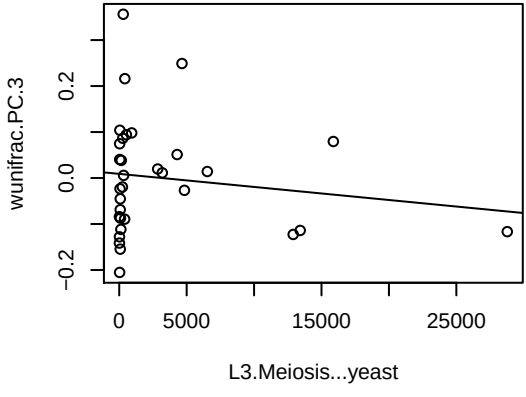
L3.Measles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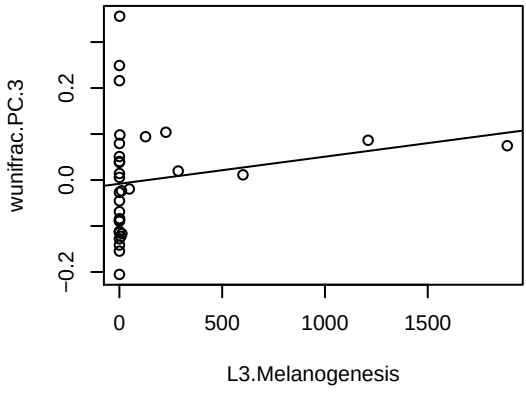
L3.Meiosis...yeast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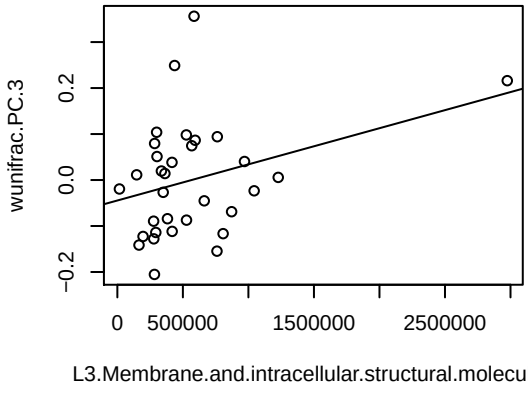
L3.Melanogenesis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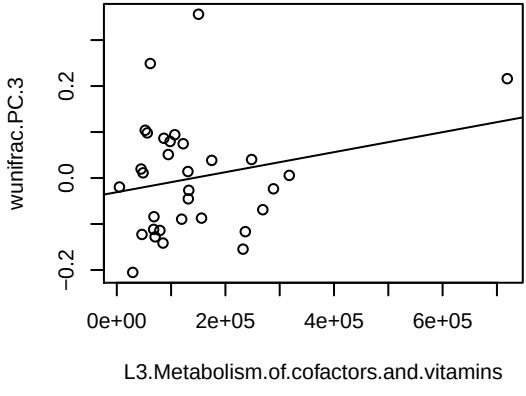
L3.Membrane.and.intracellular.structural.molecules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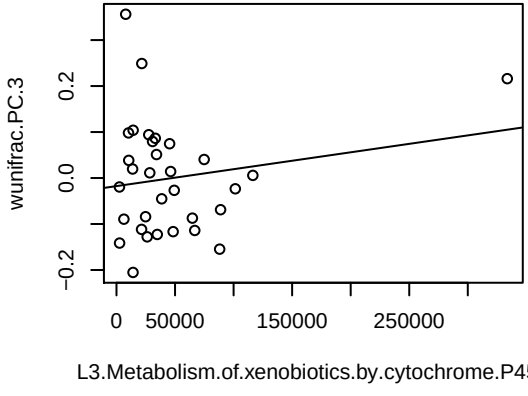
L3.Metabolism.of.cofactors.and.vitamins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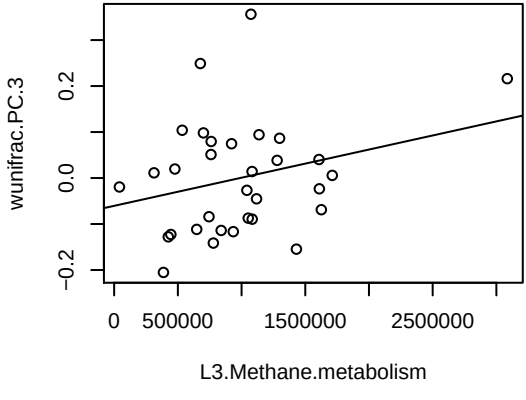
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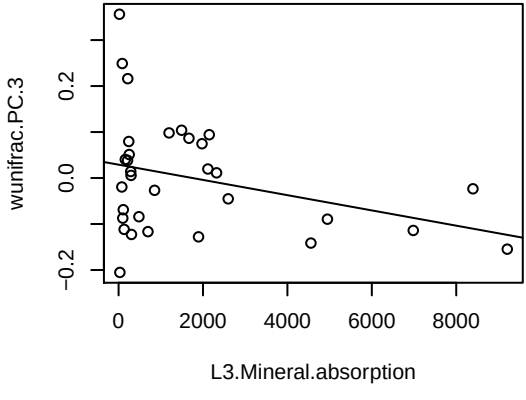
L3.Methane.metabolism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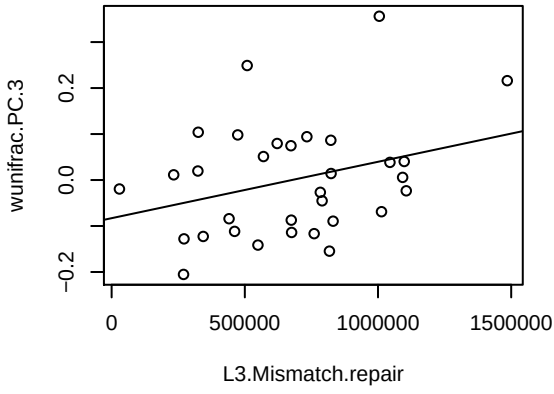
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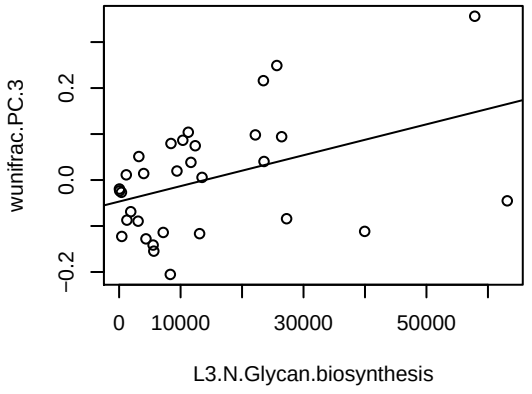
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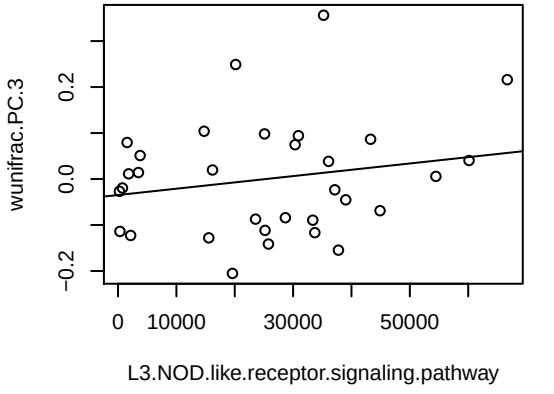
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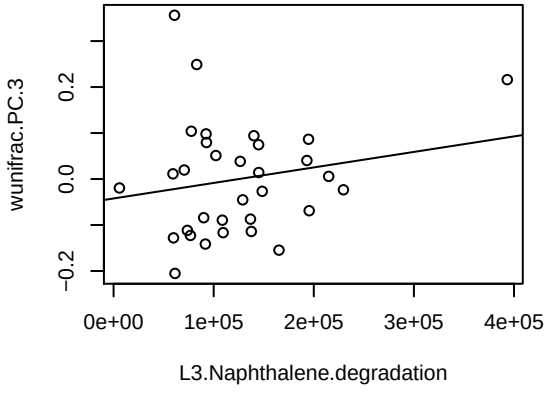
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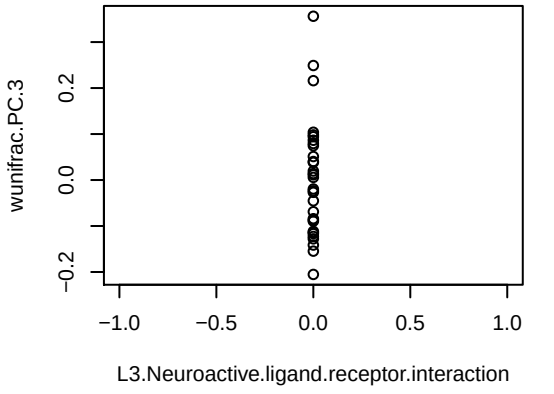
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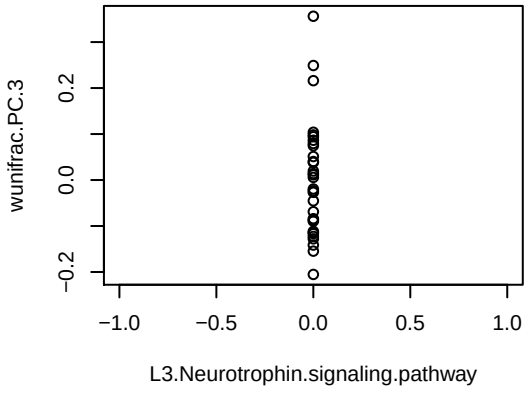
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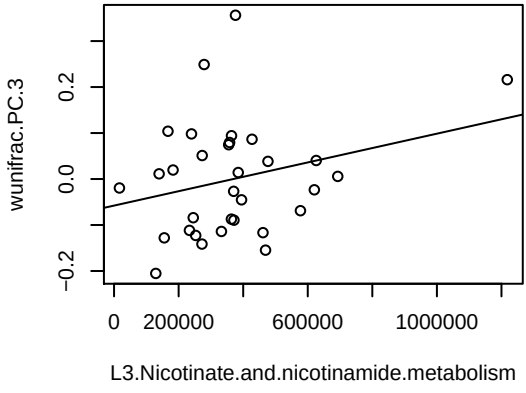
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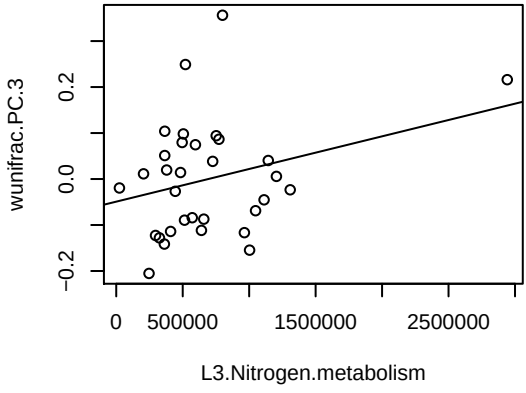
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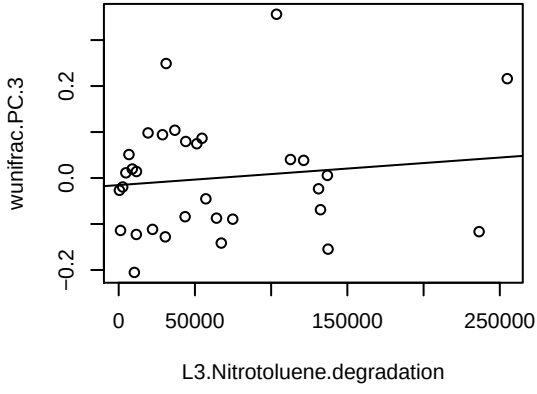
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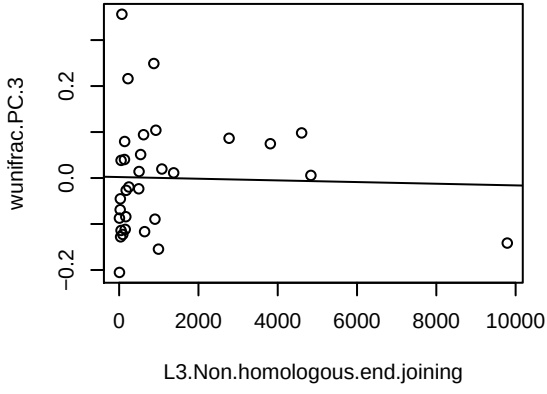
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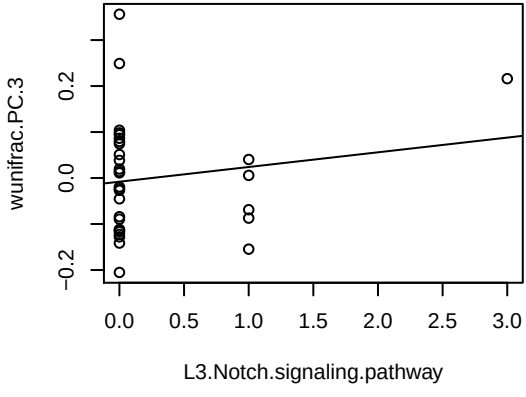
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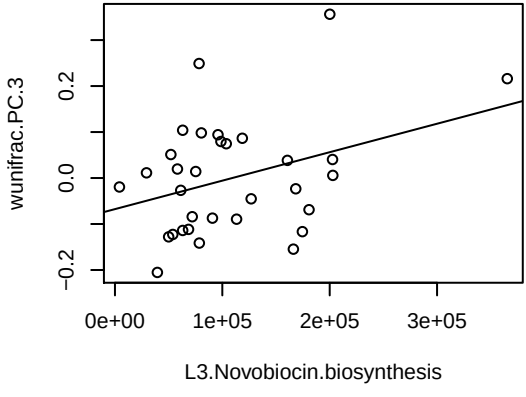
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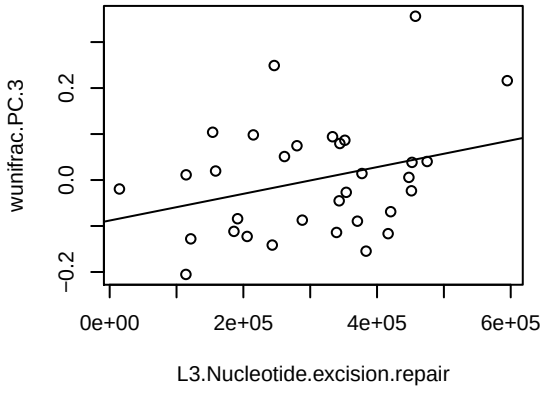
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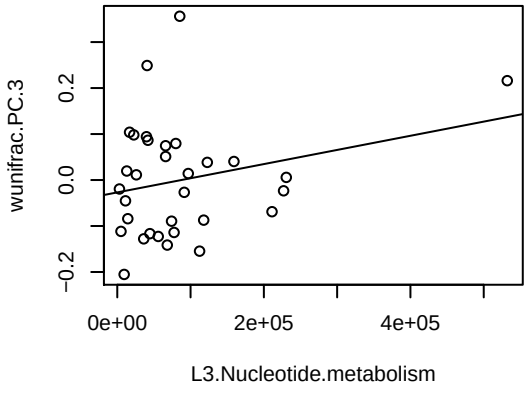
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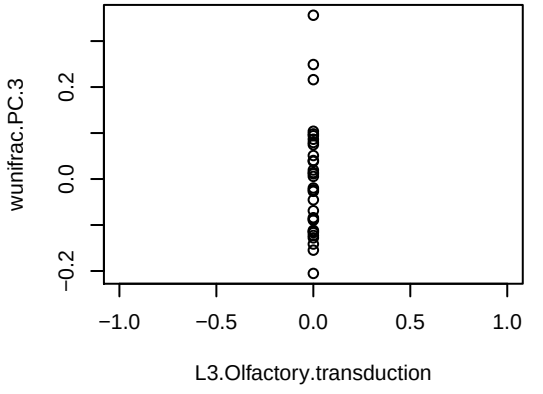
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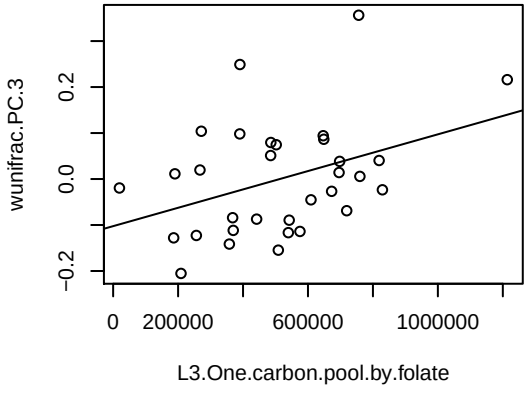
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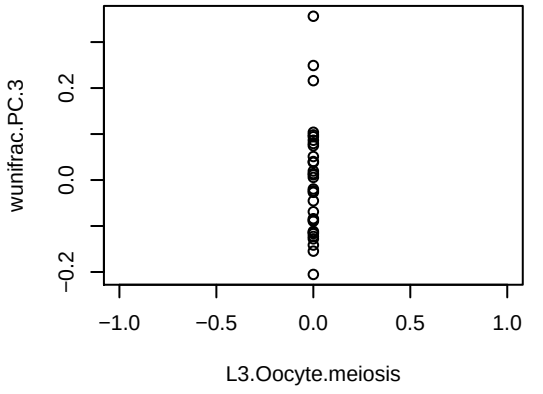
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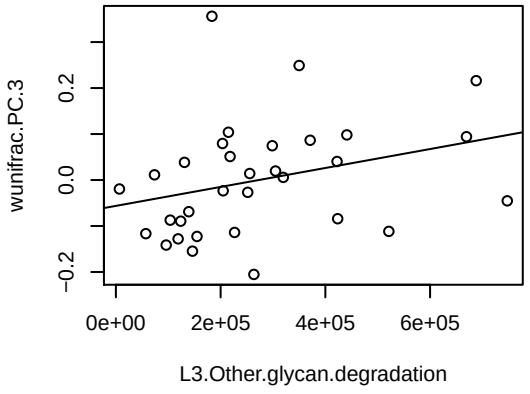
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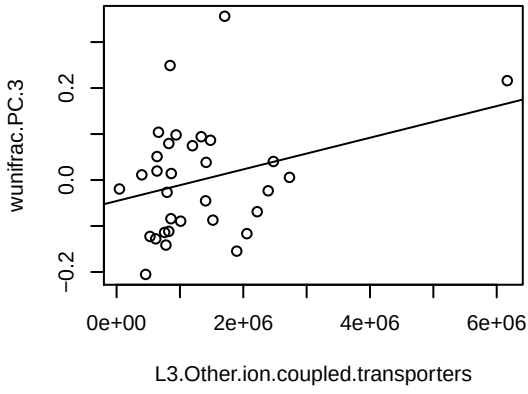
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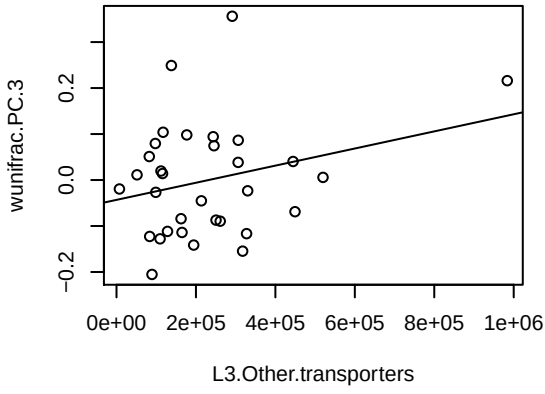
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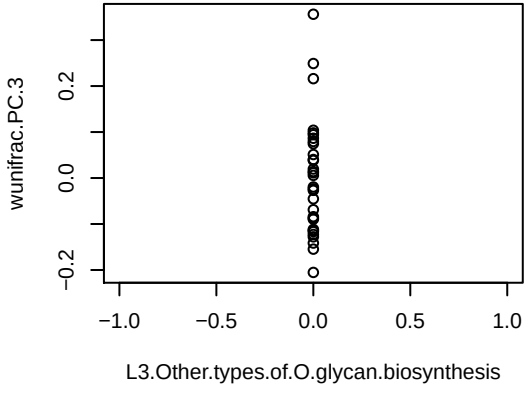
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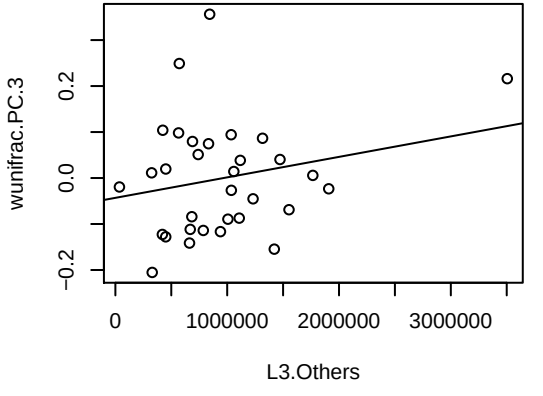
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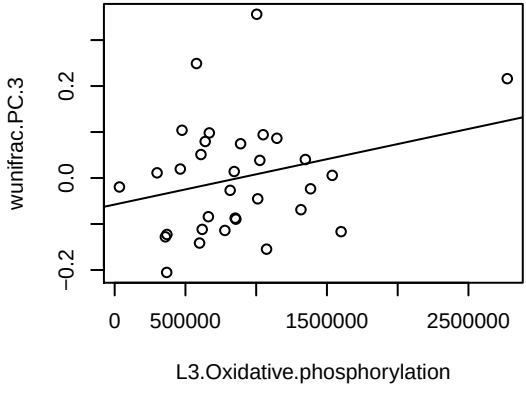
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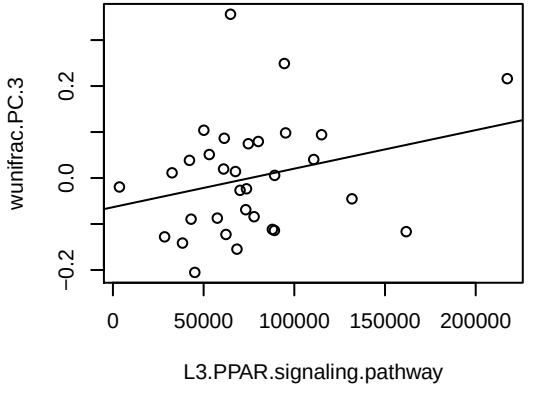
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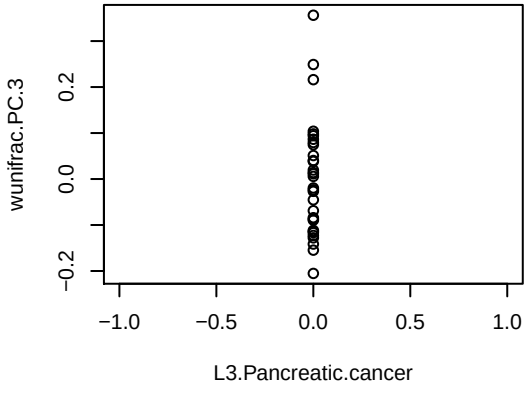
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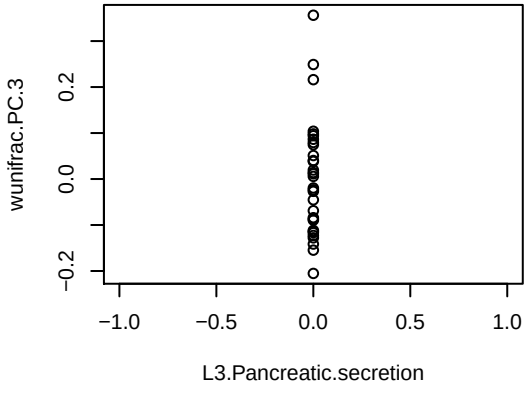
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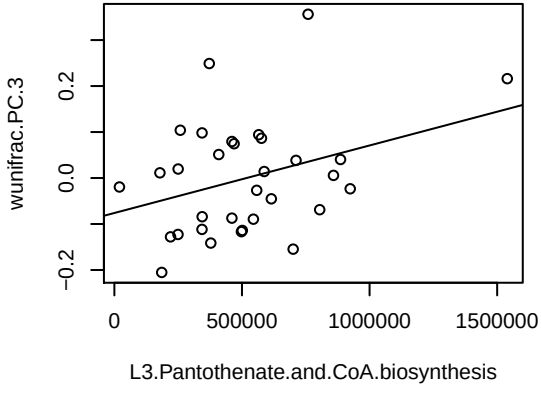
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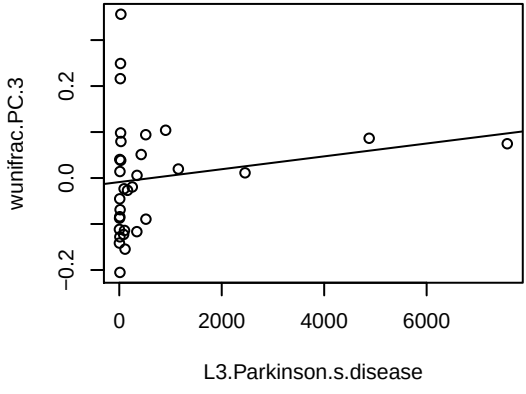
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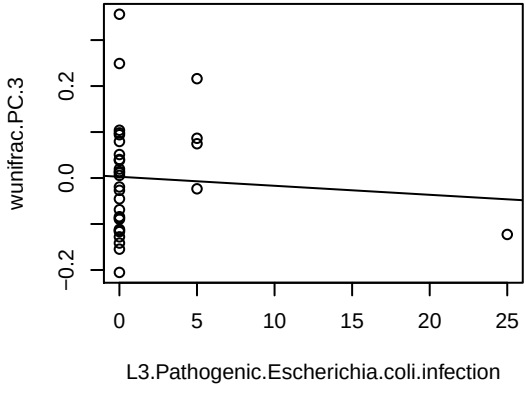
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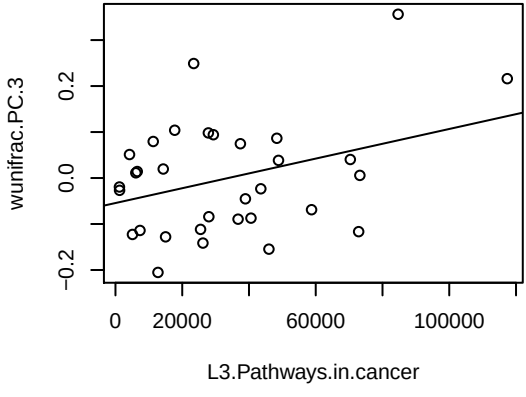
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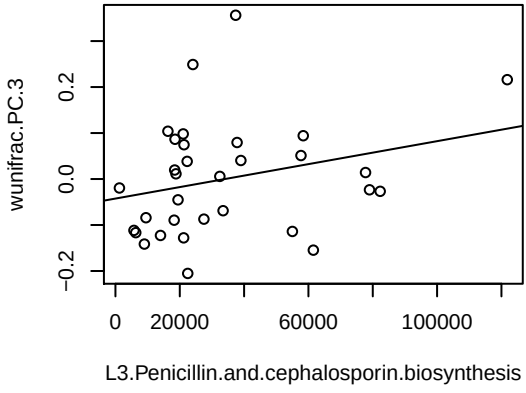
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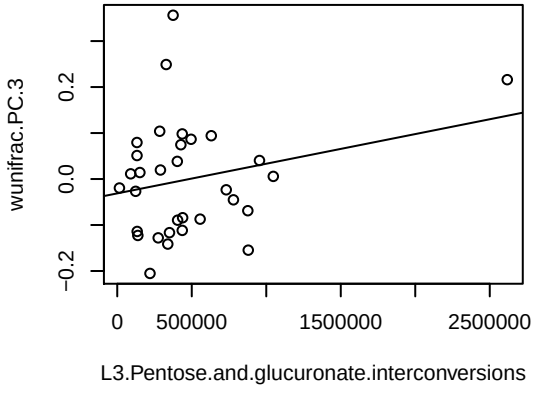
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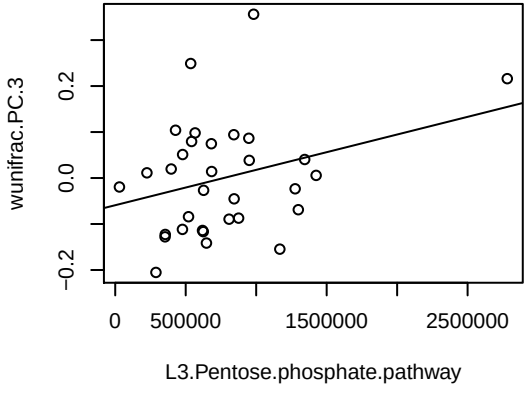
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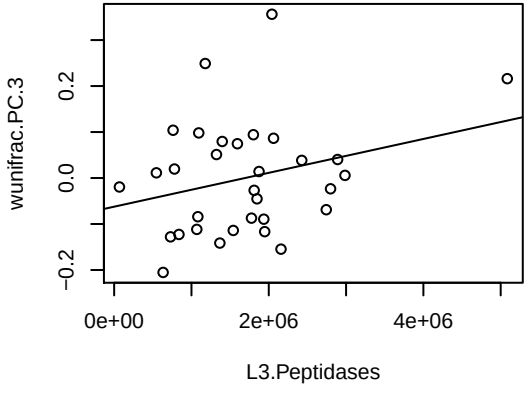
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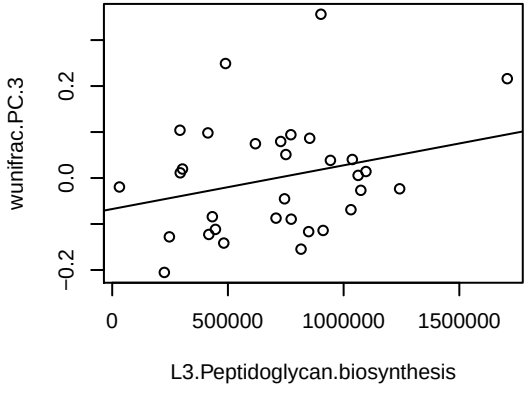
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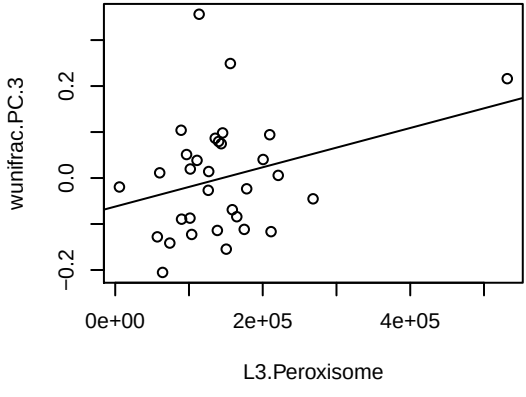
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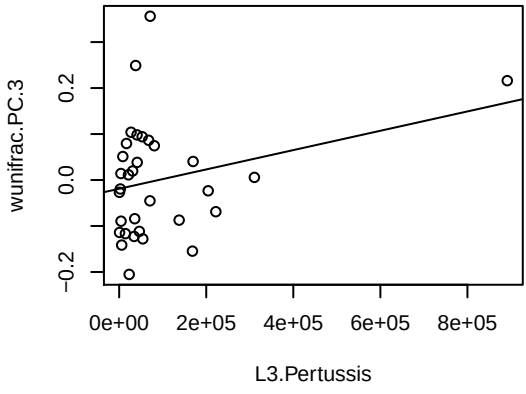
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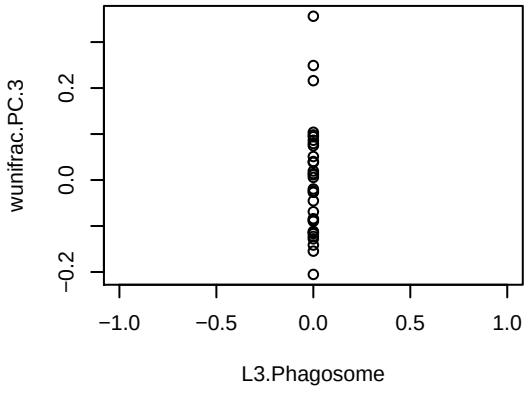
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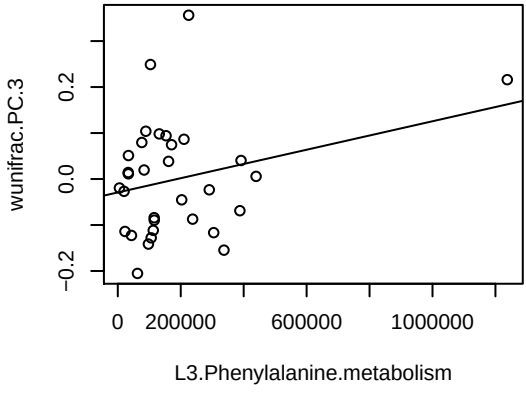
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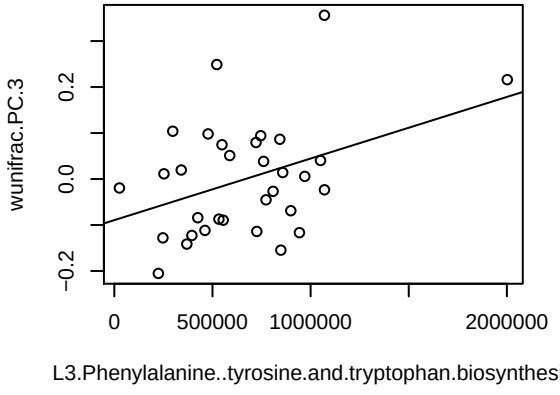
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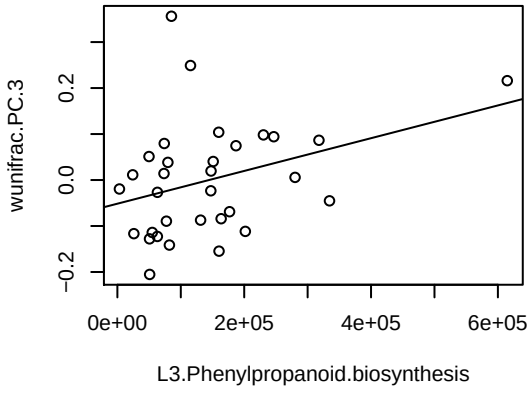
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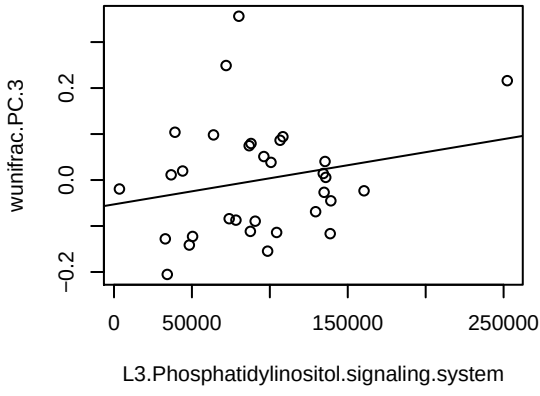
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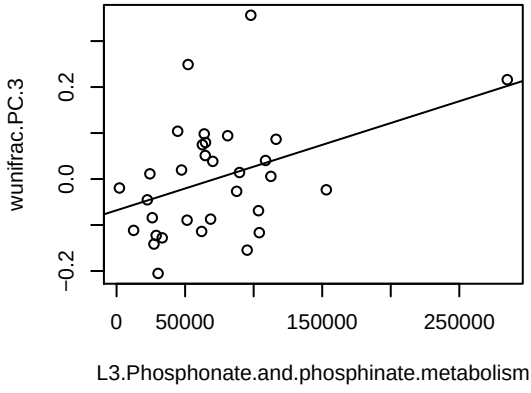
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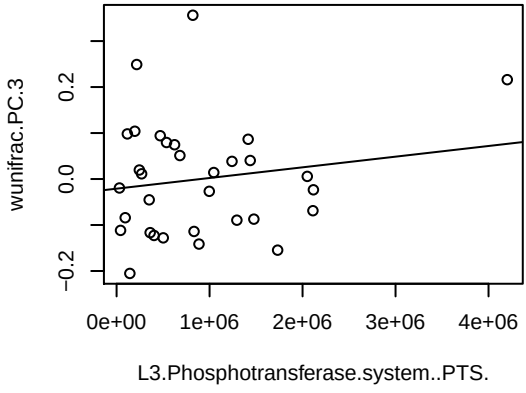
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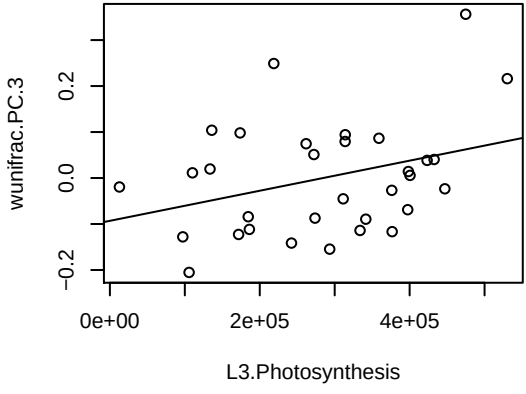
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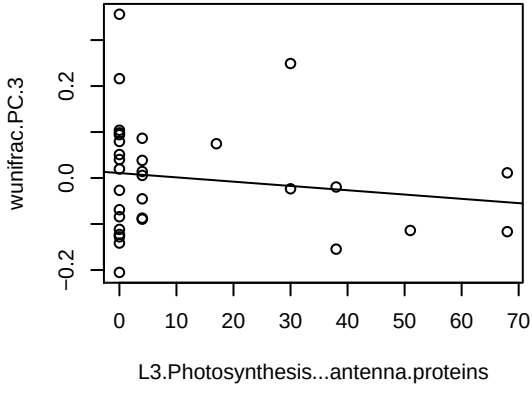
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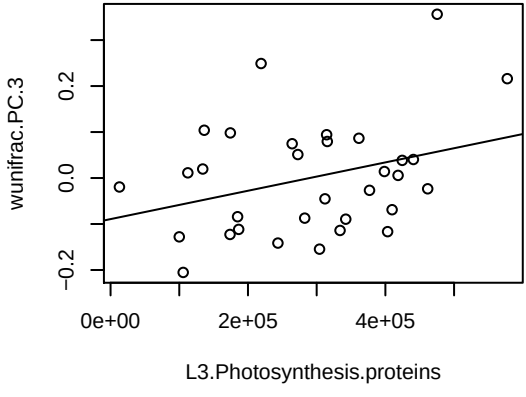
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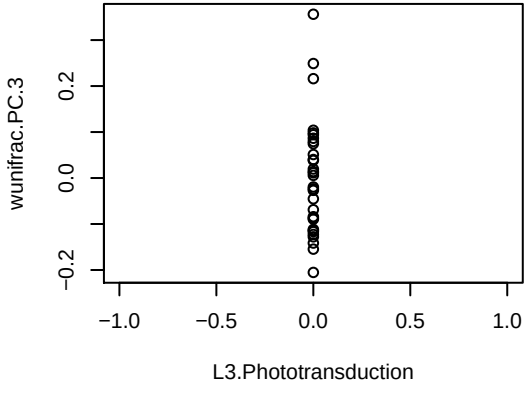
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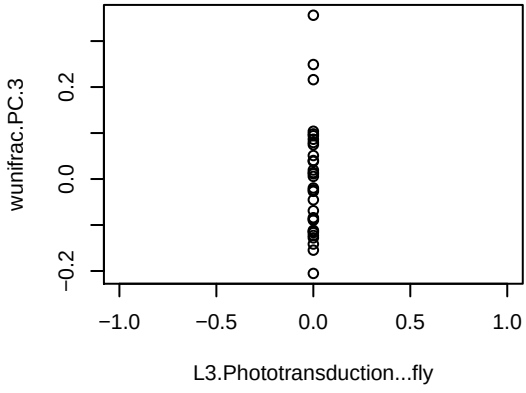
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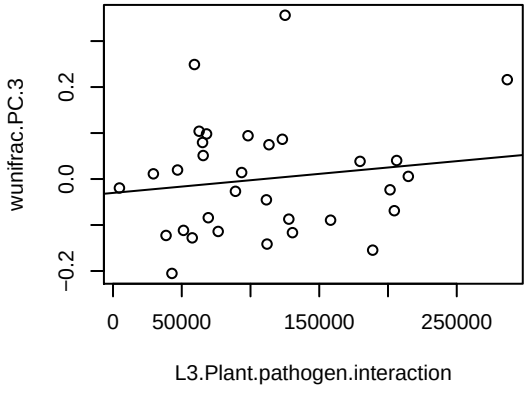
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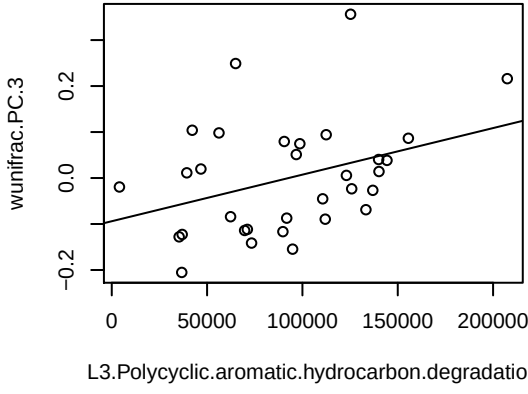
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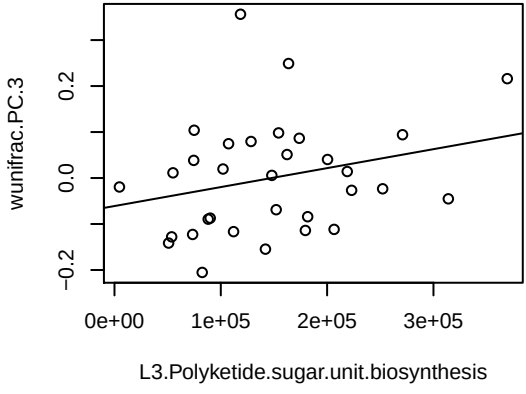
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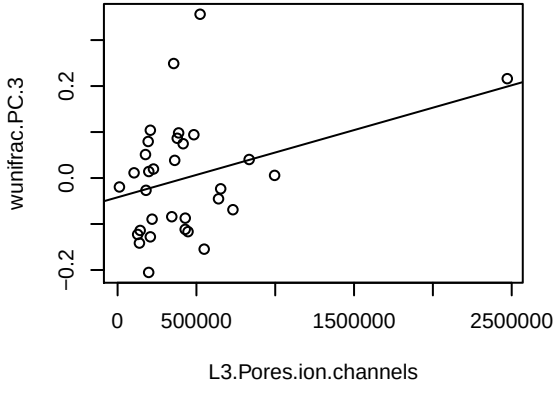
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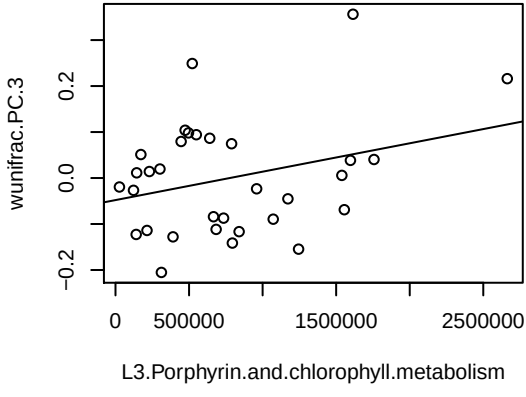
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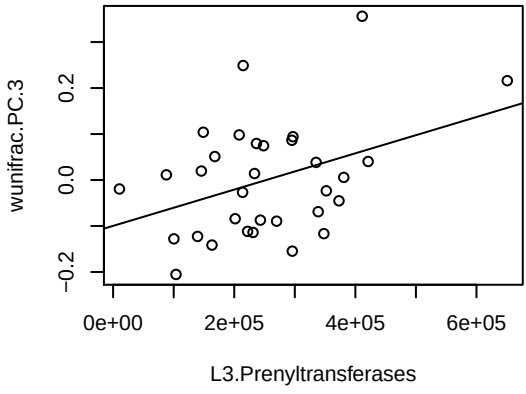
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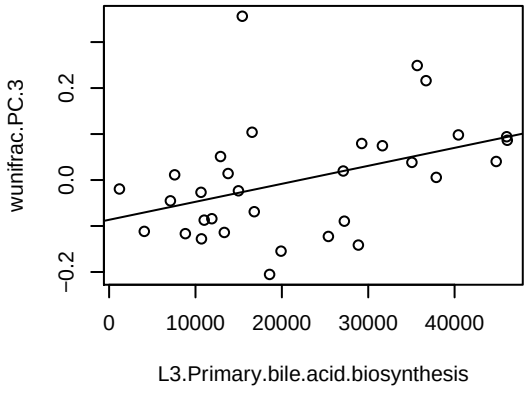
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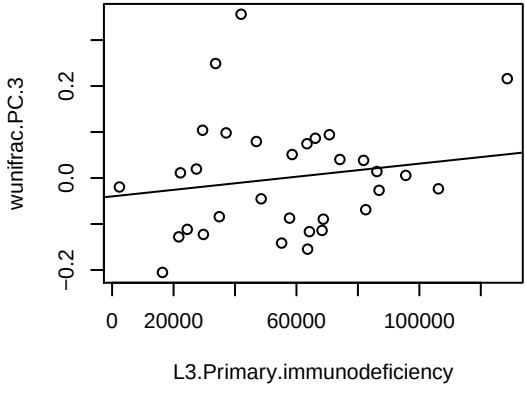
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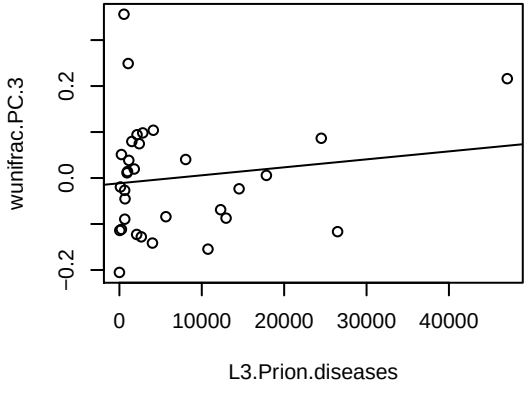
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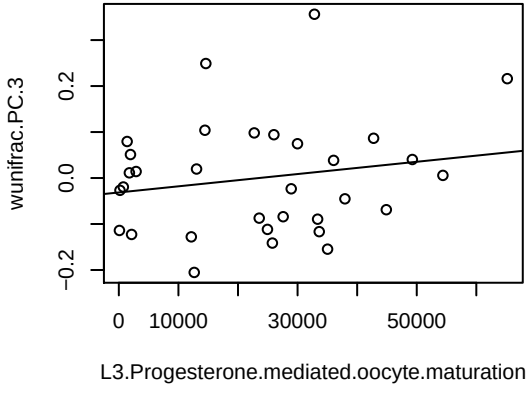
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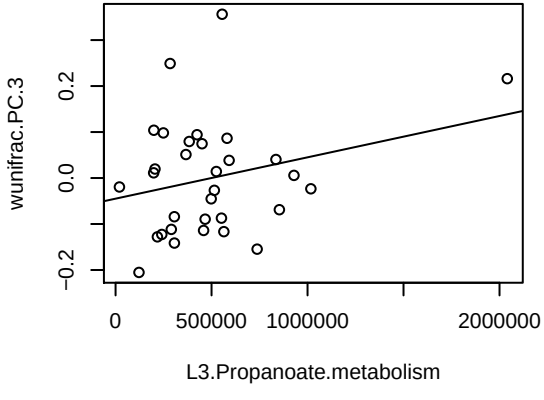
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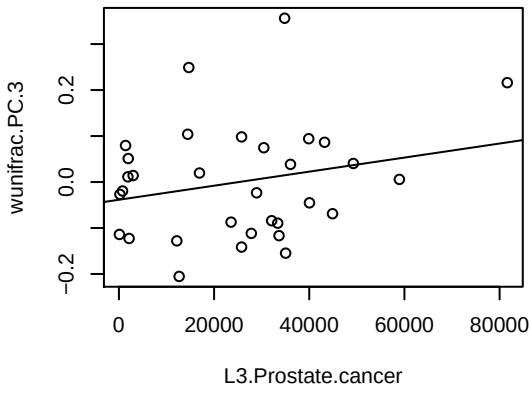
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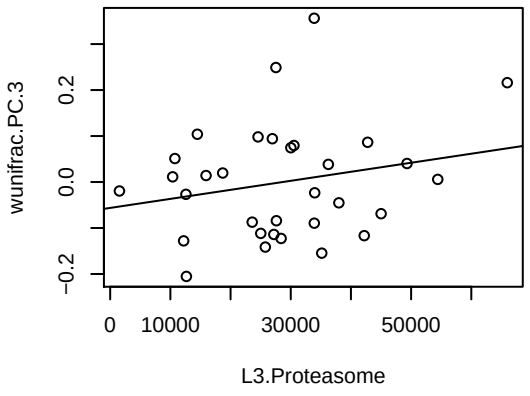
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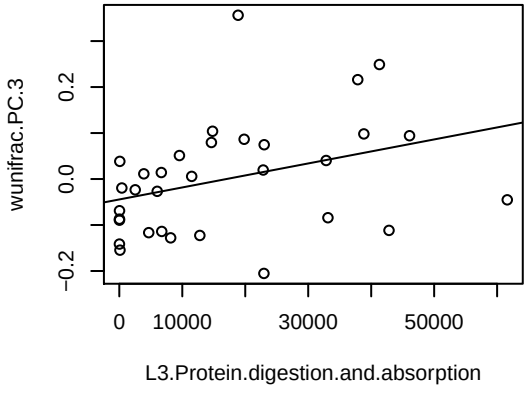
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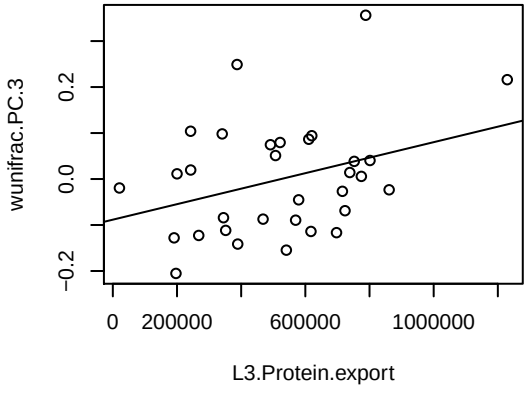
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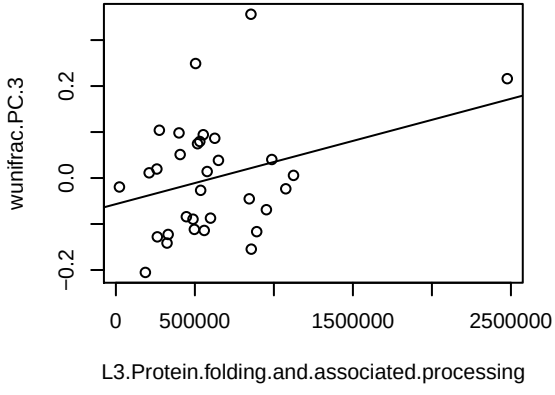
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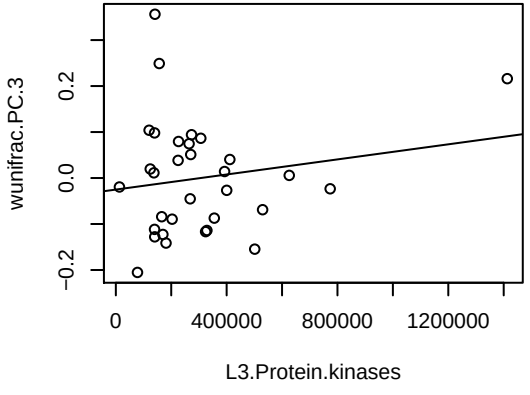
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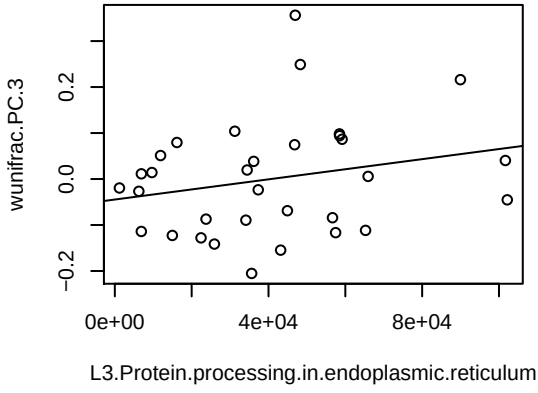
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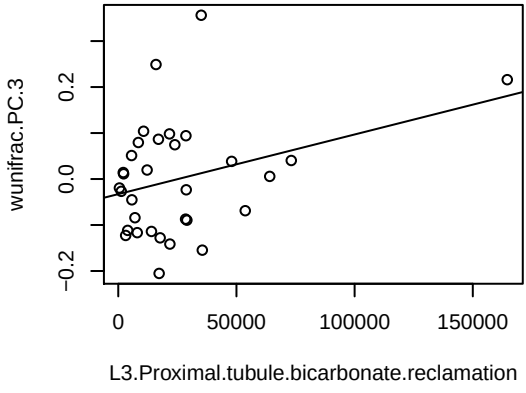
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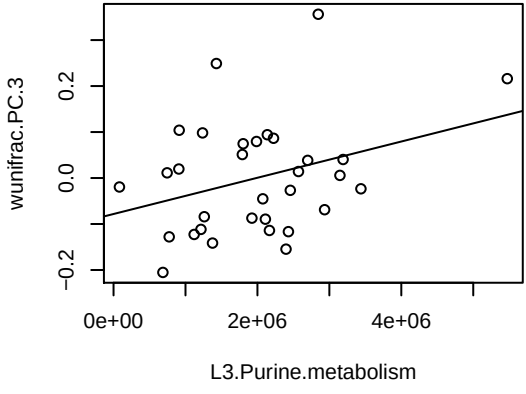
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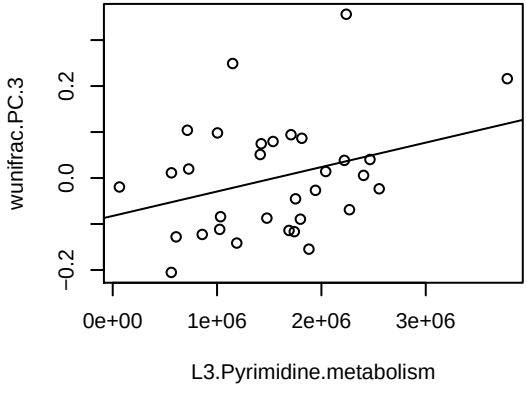
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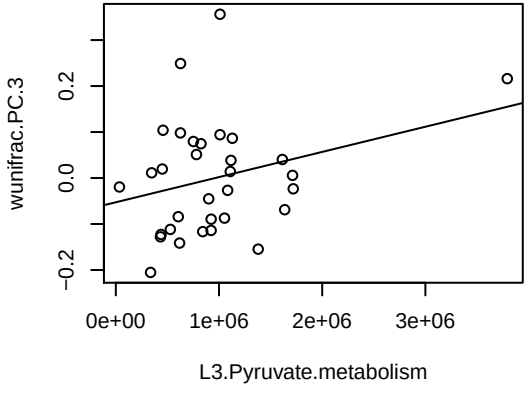
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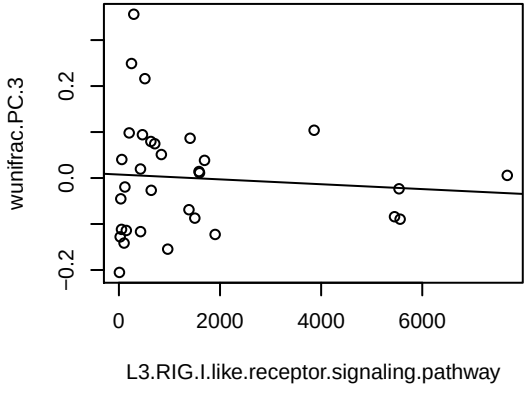
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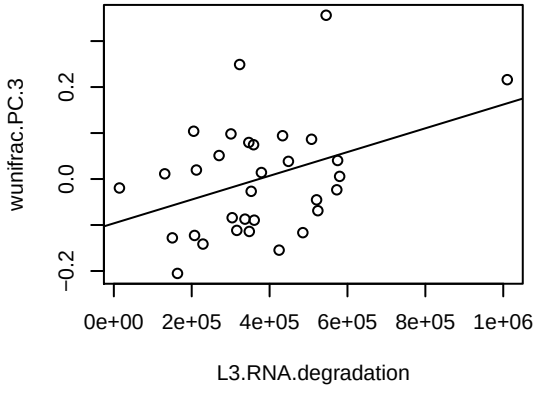
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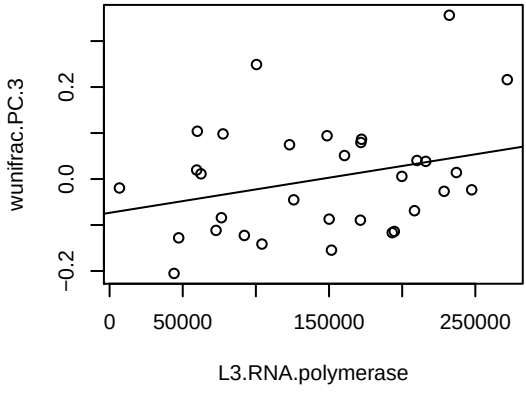
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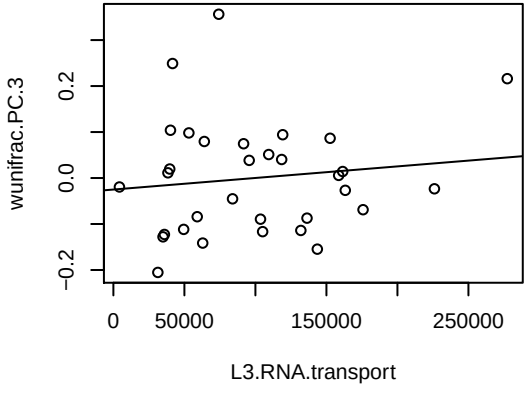
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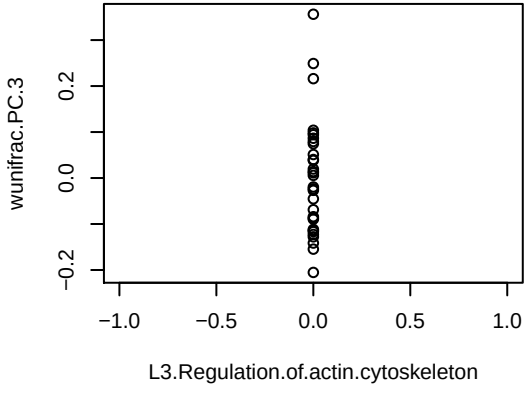
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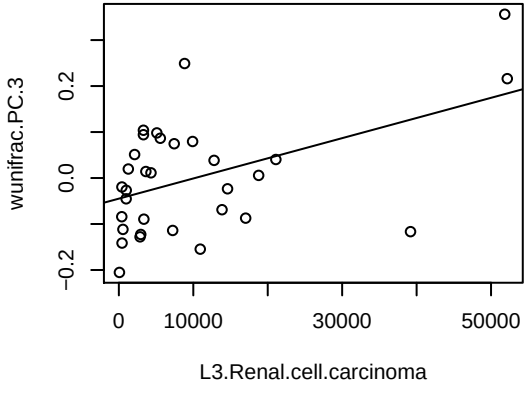
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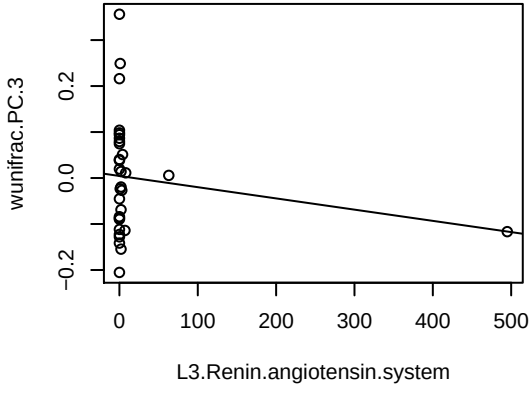
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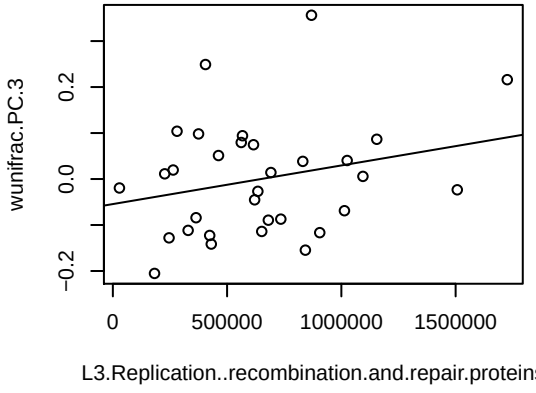
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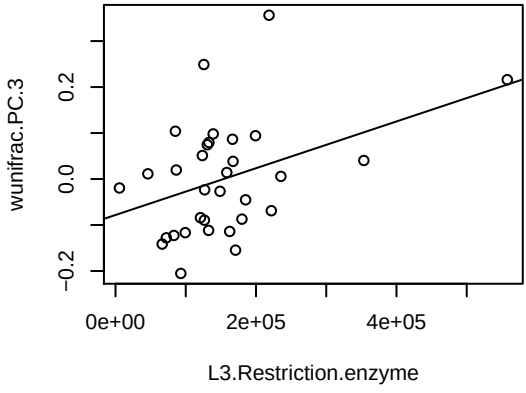
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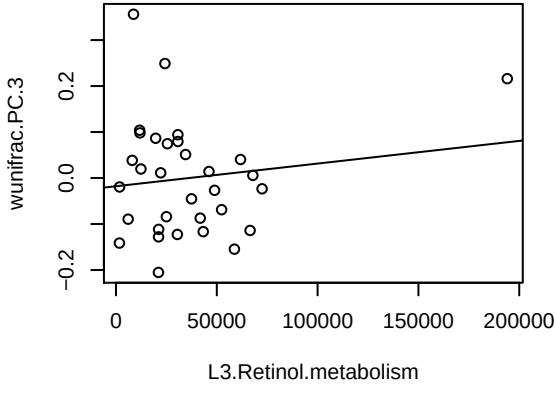
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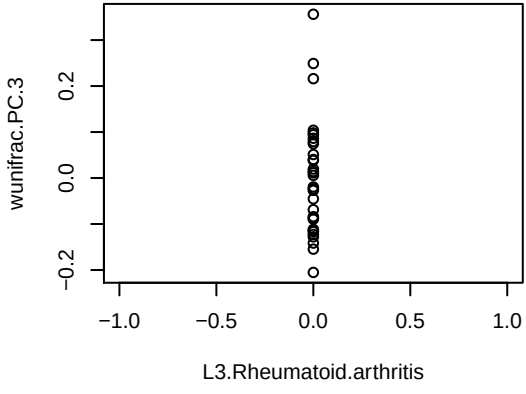
L3.Retinol.metabolism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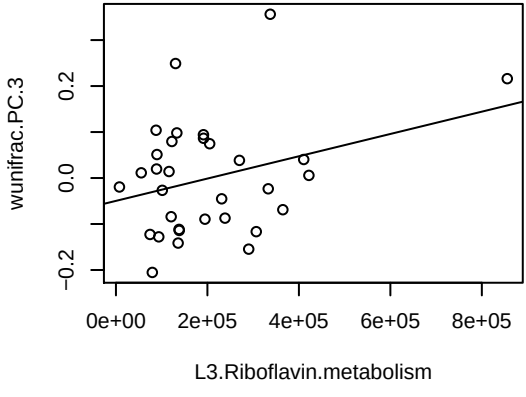
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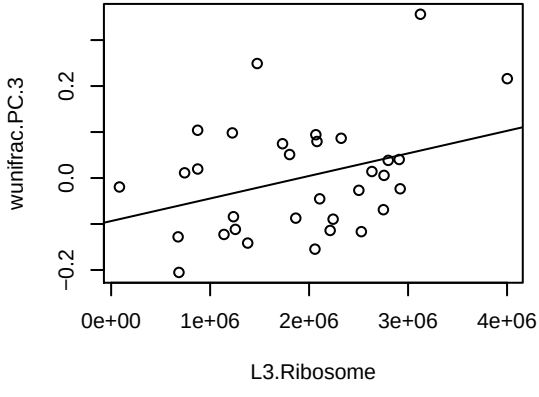
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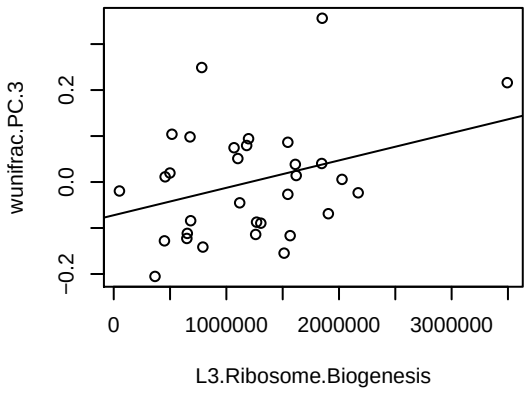
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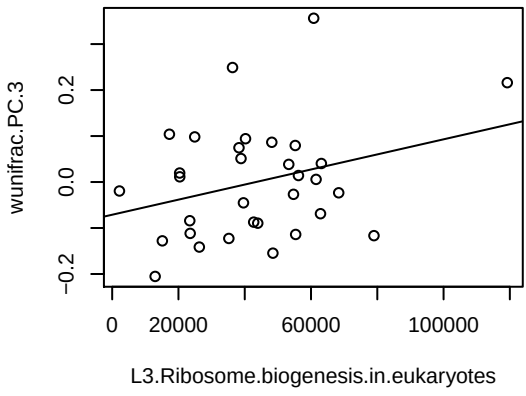
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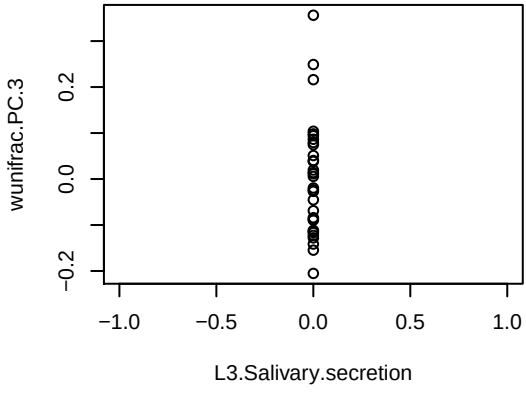
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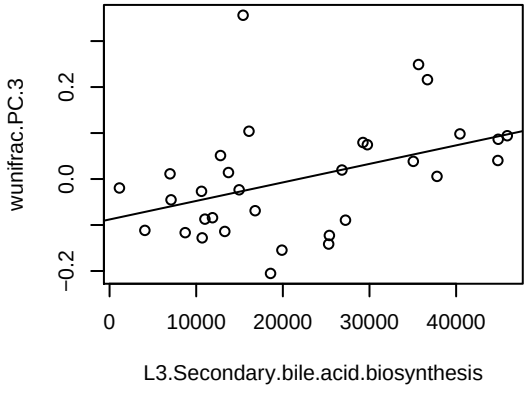
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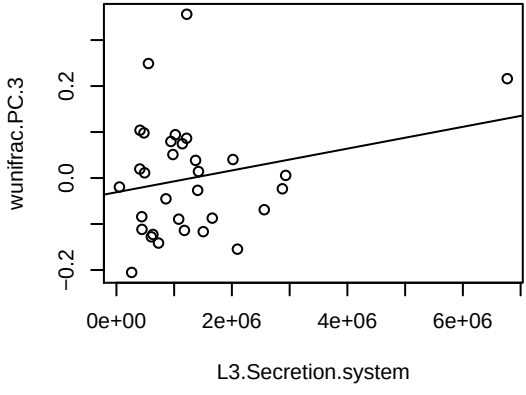
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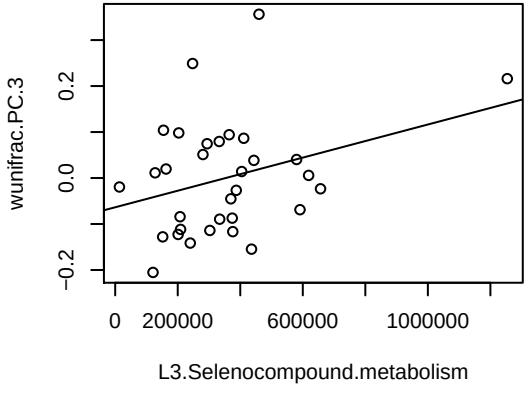
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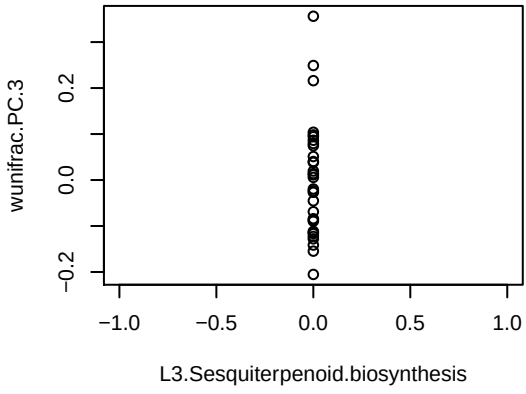
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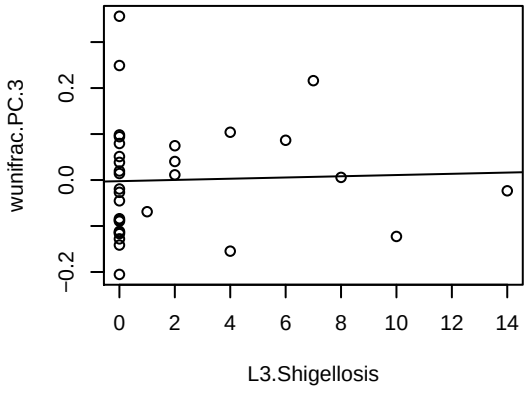
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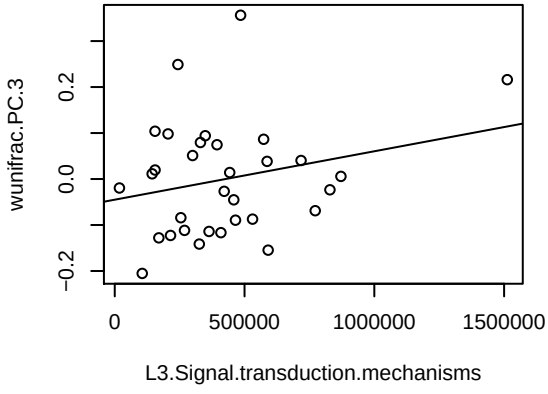
L3.Shigellosis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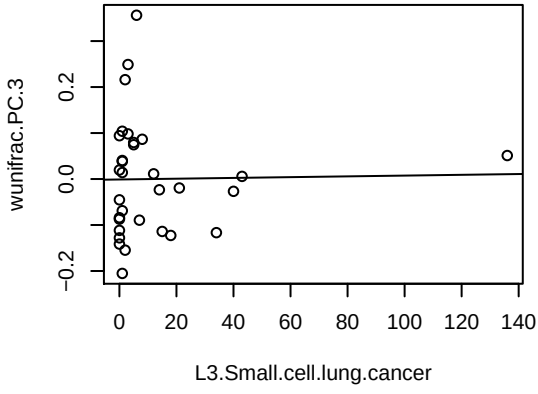
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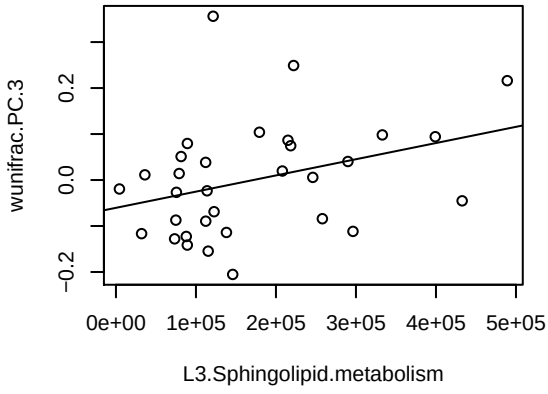
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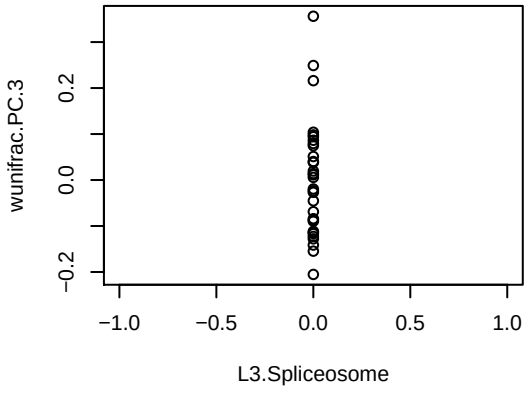
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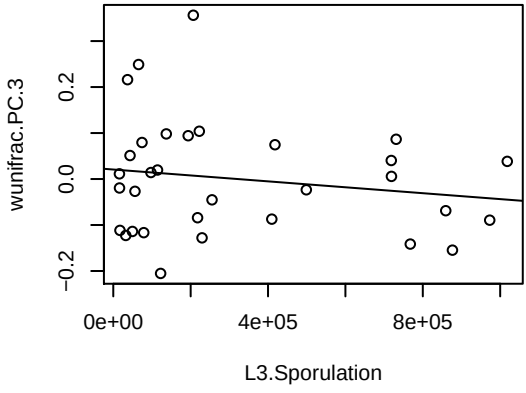
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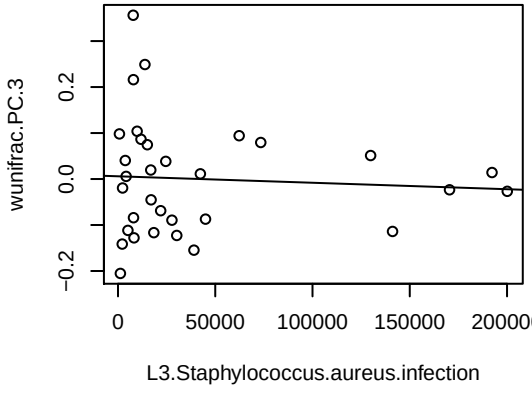
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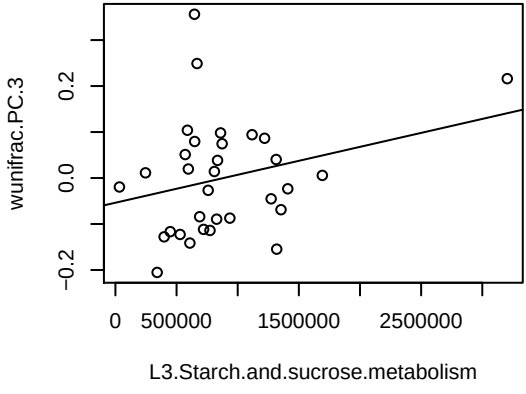
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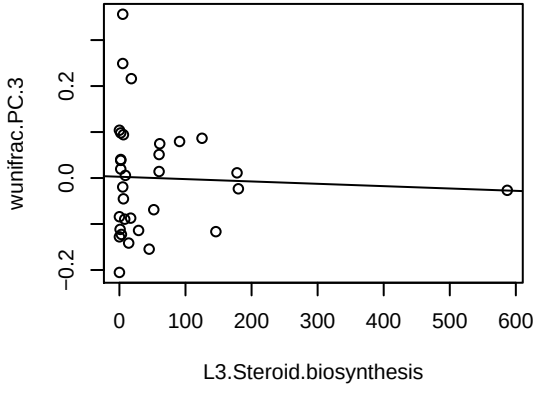
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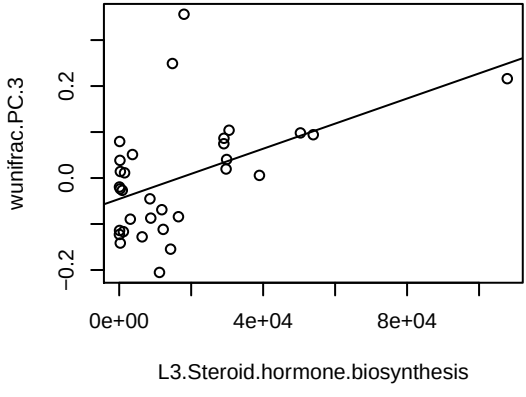
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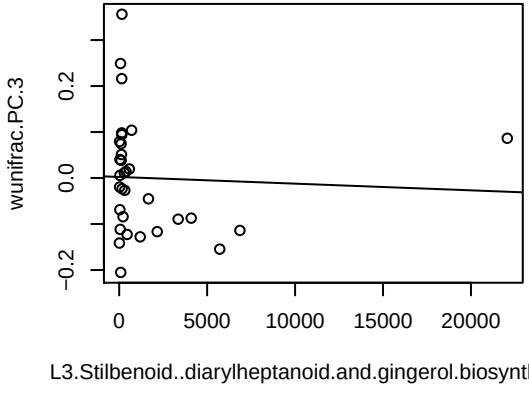
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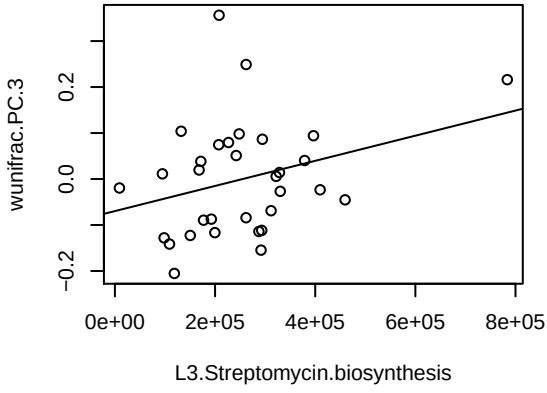
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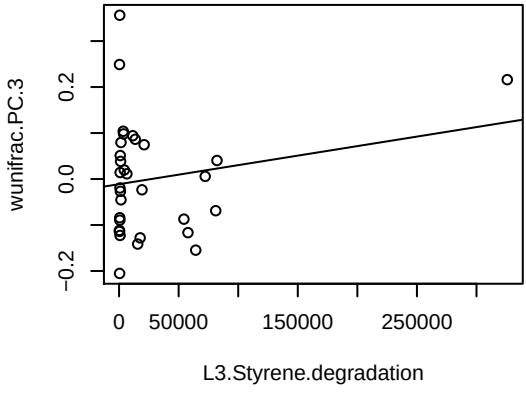
L3.Streptomycin.biosynthesis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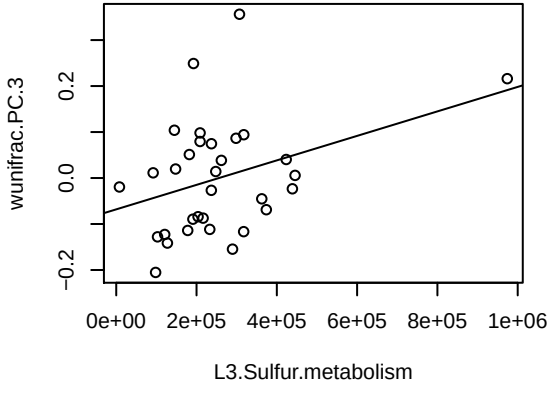
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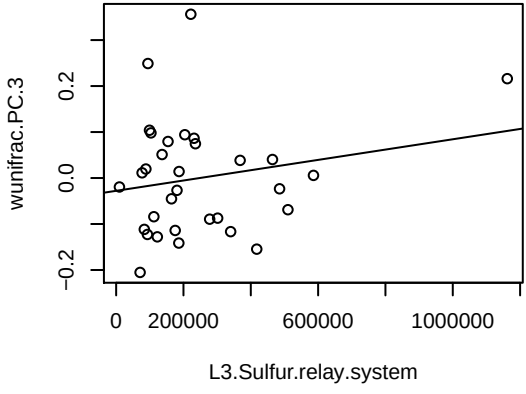
L3.Sulfur.metabolism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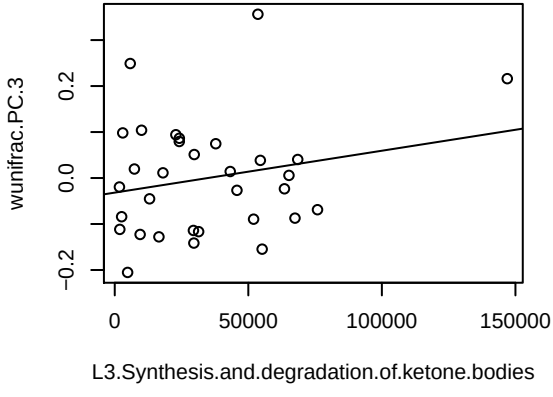
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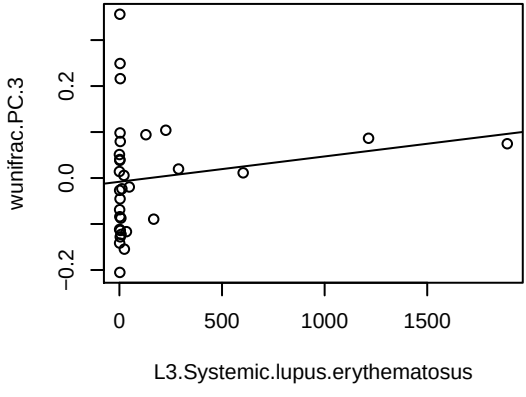
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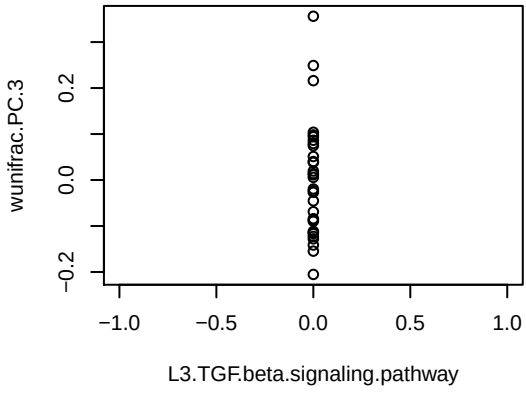
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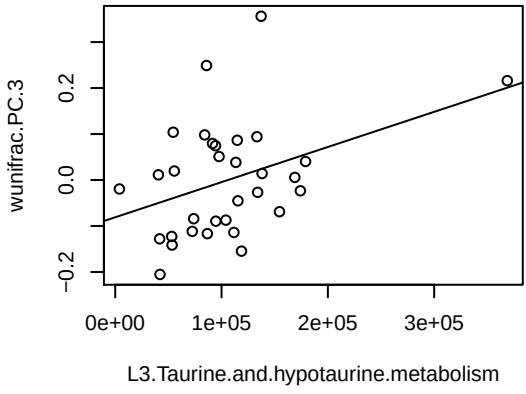
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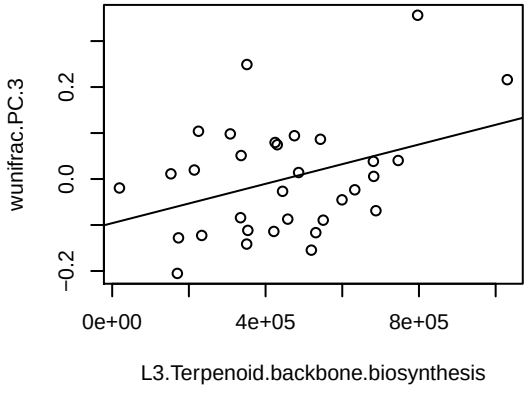
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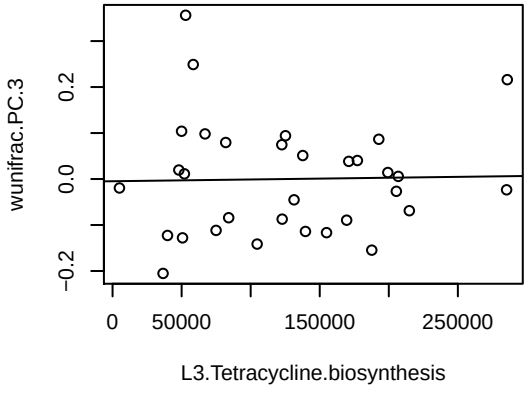
L3.Terpenoid.backbone.biosynthesis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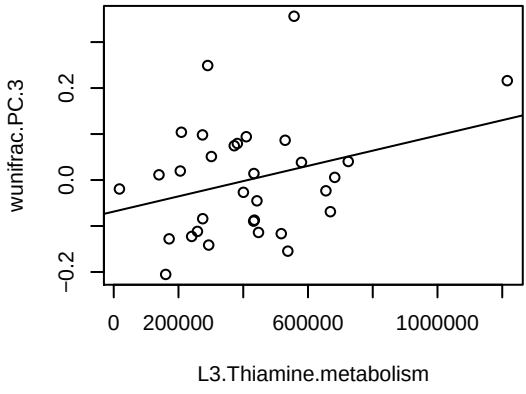
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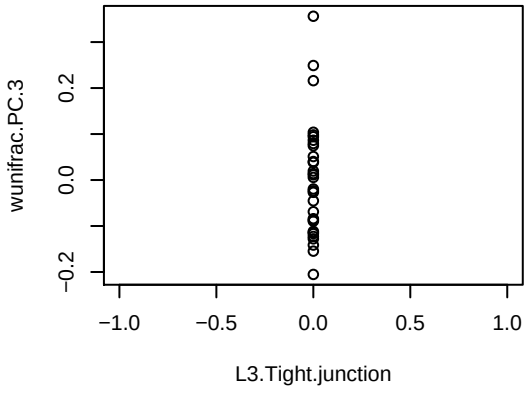
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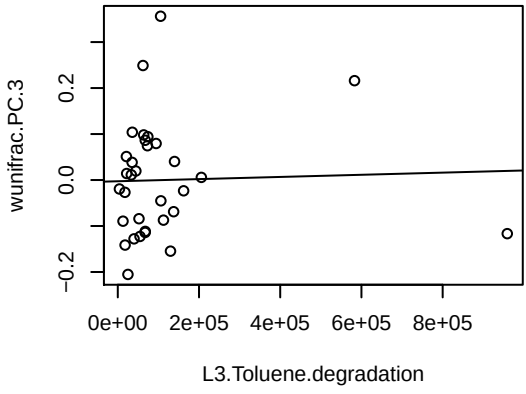
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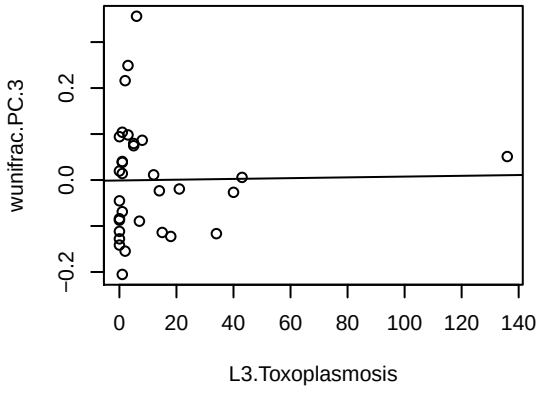
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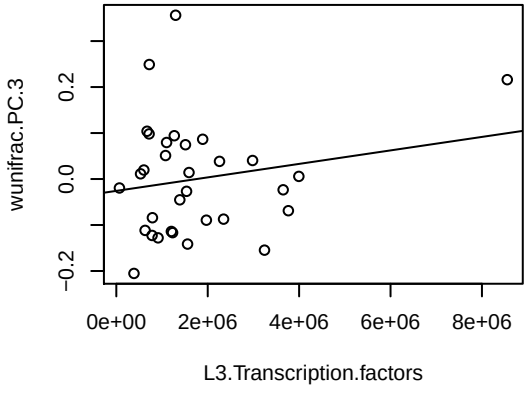
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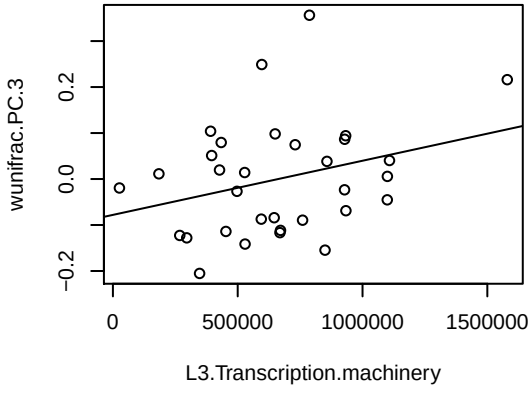
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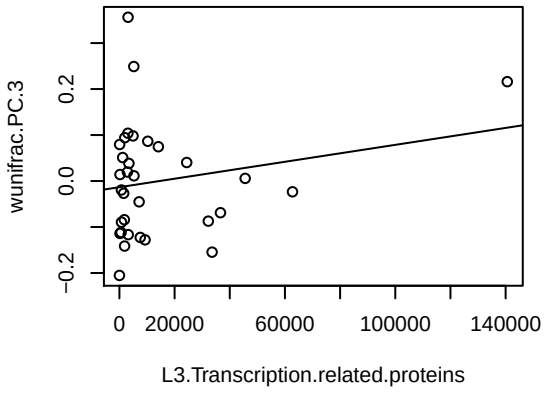
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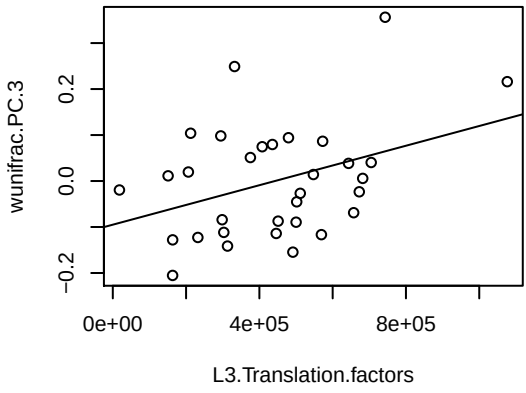
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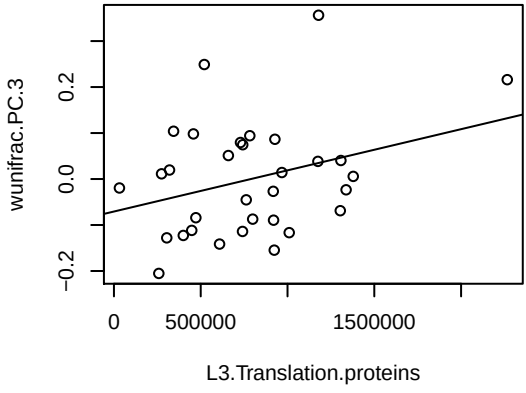
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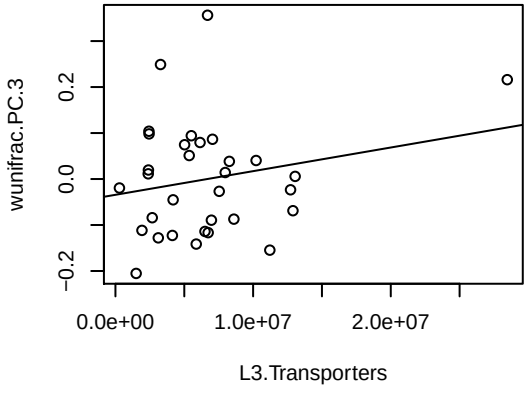
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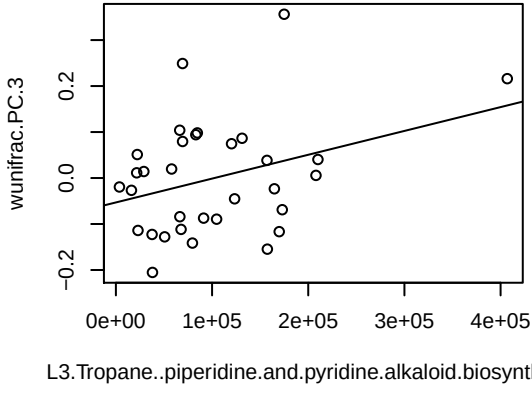
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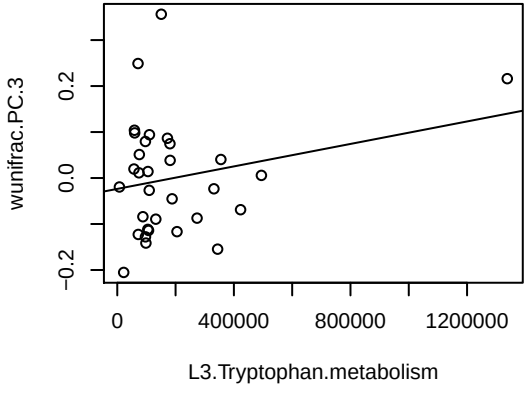
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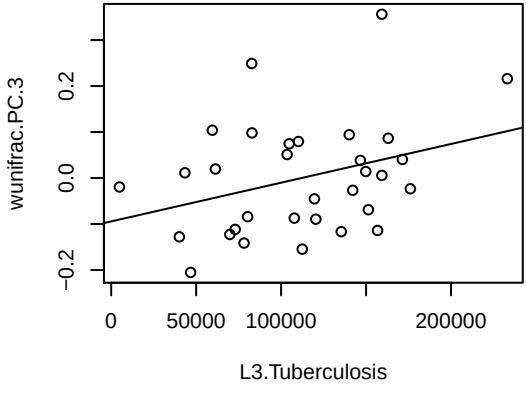
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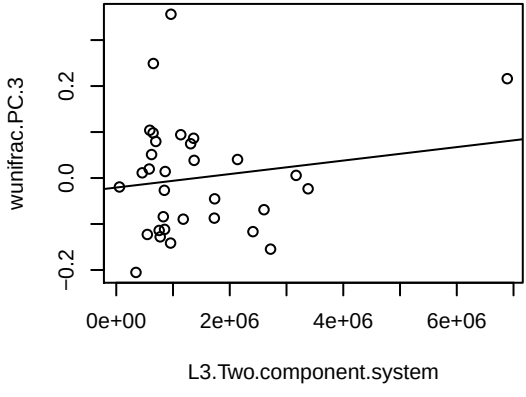
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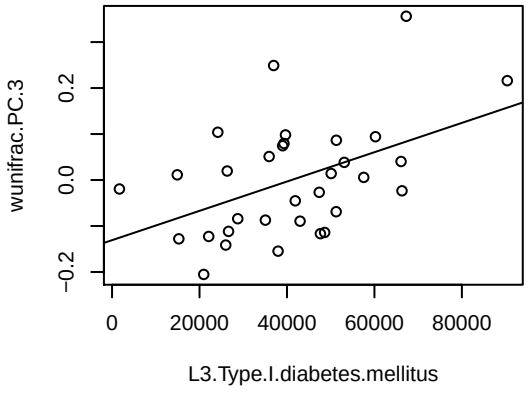
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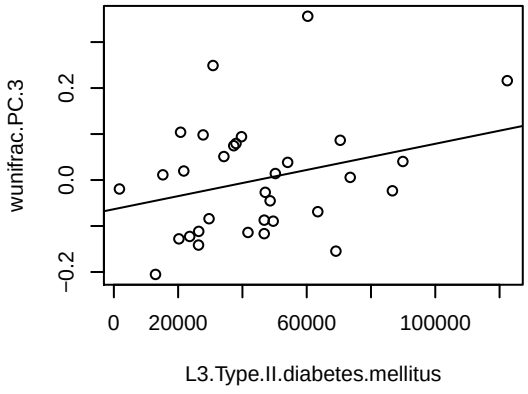
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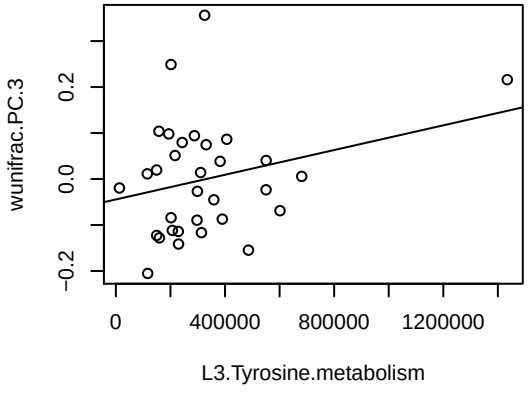
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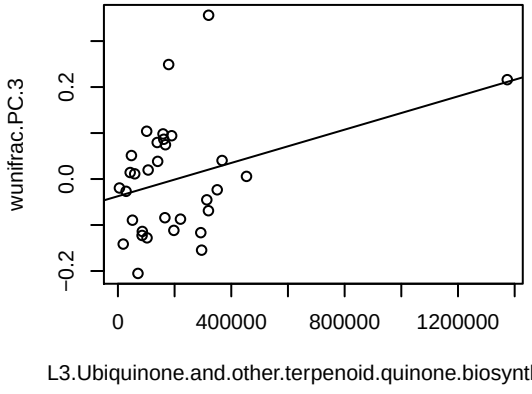
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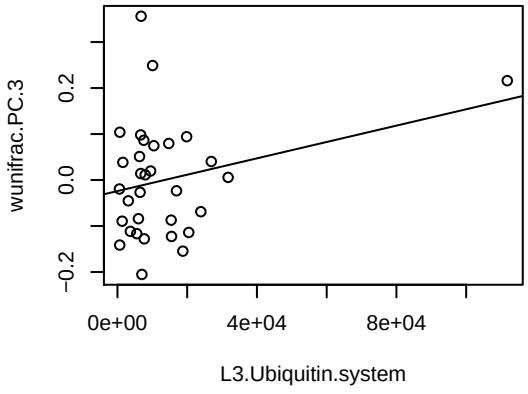
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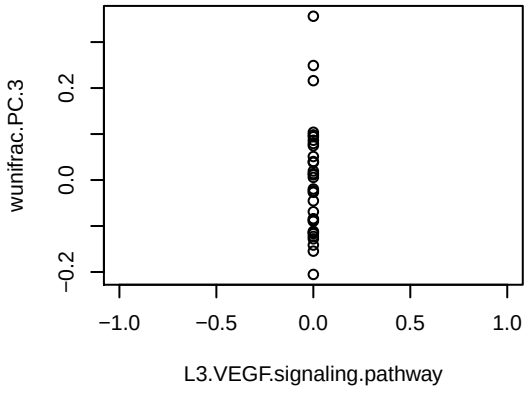
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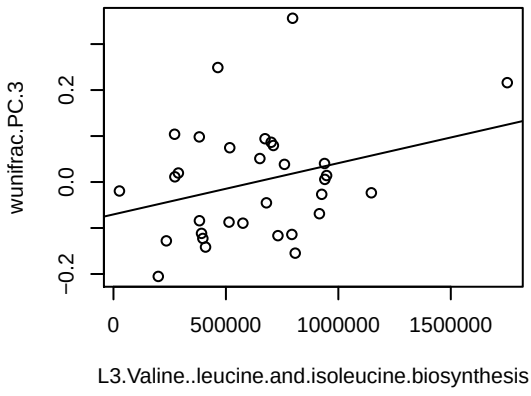
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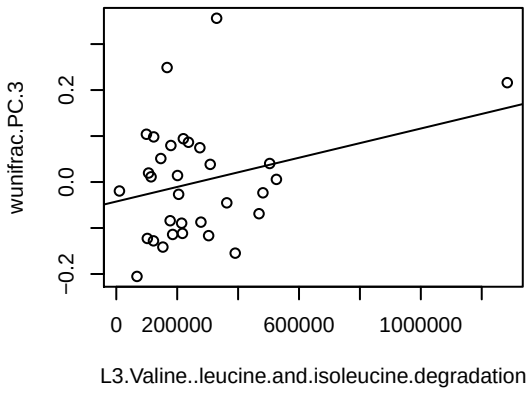
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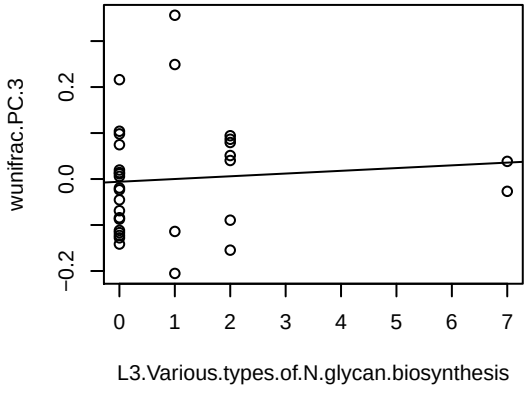
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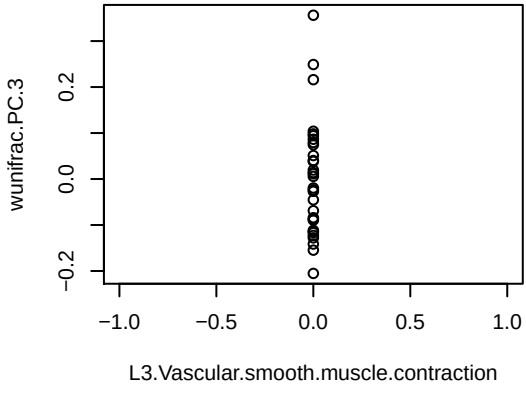
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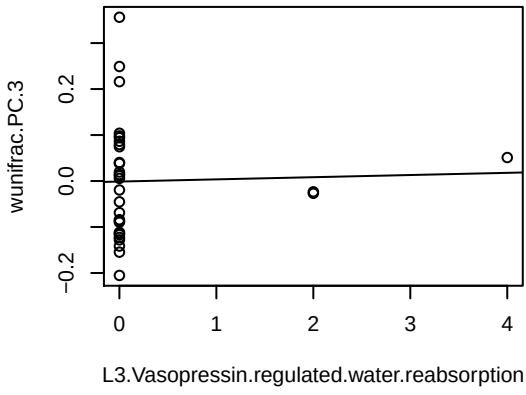
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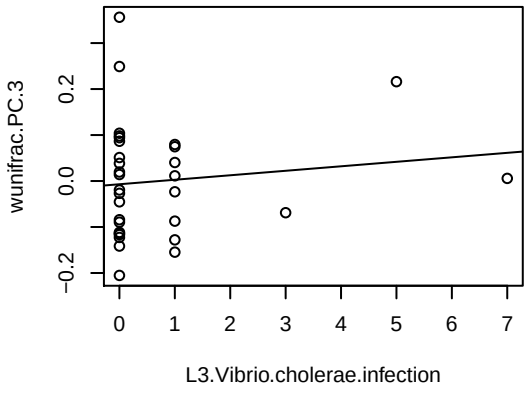
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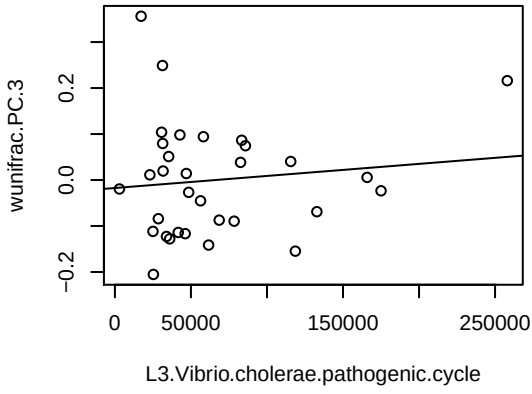
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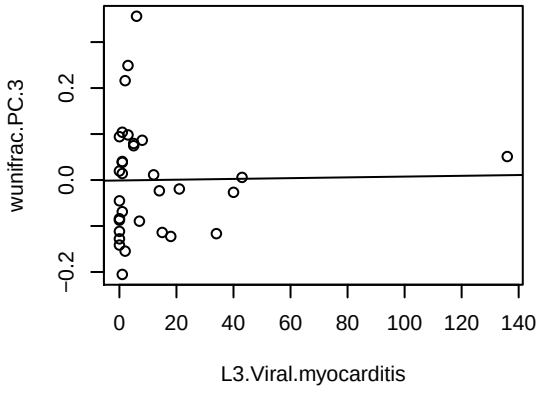
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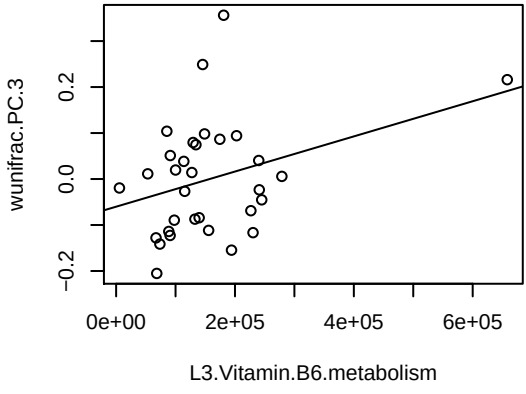
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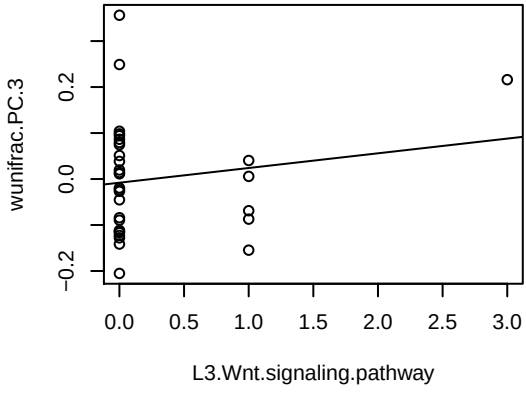
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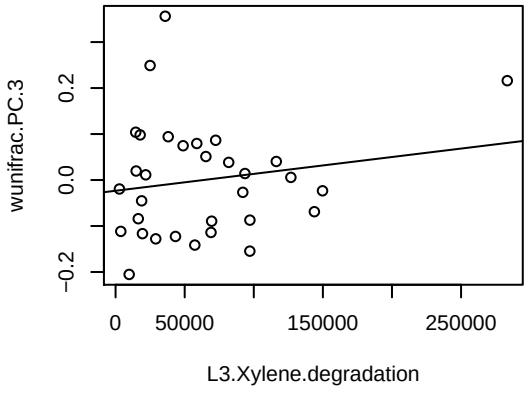
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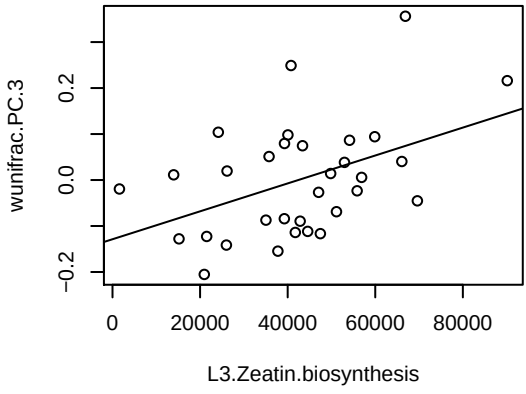
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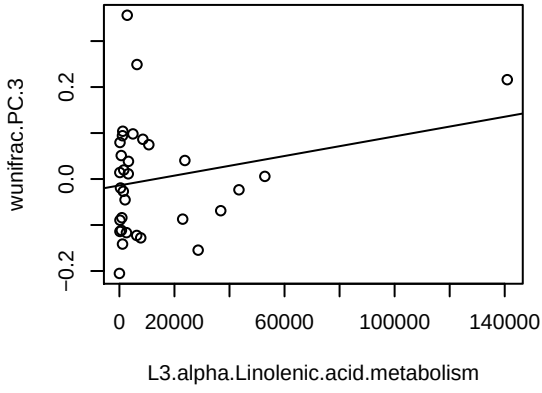
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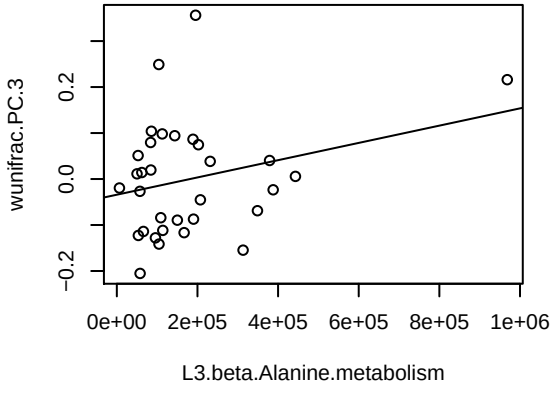
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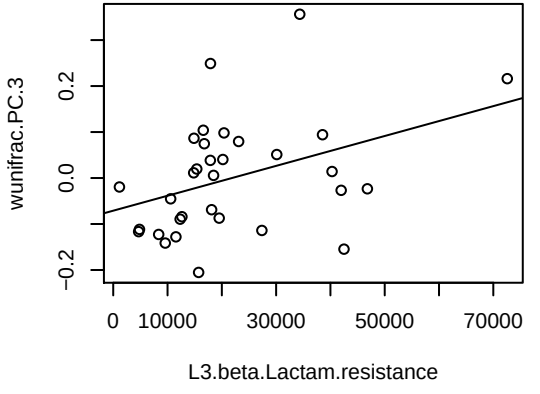
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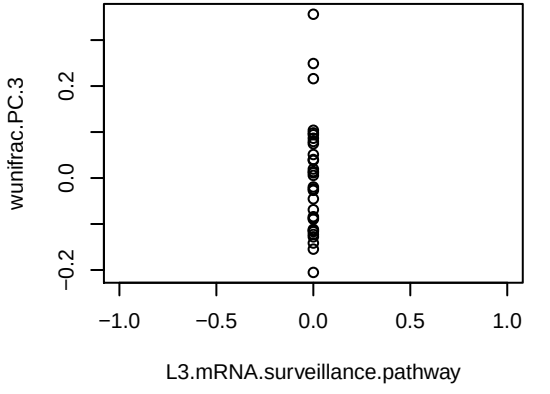
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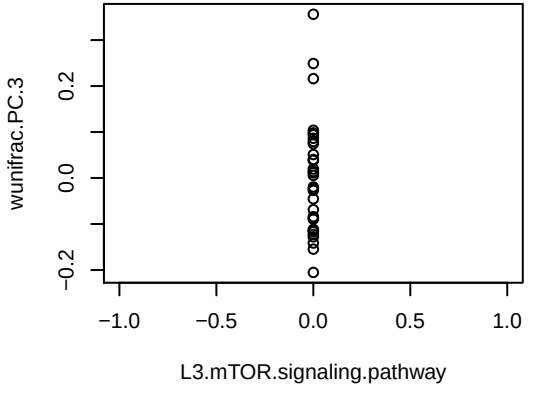
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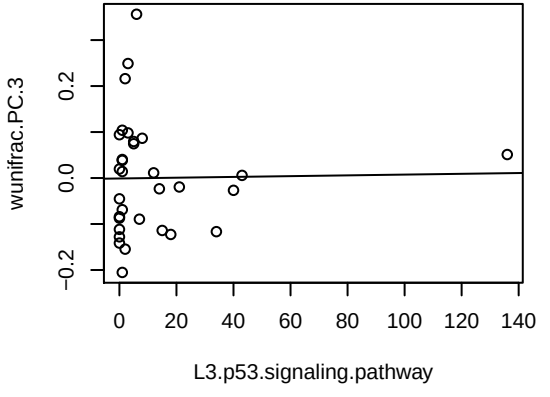
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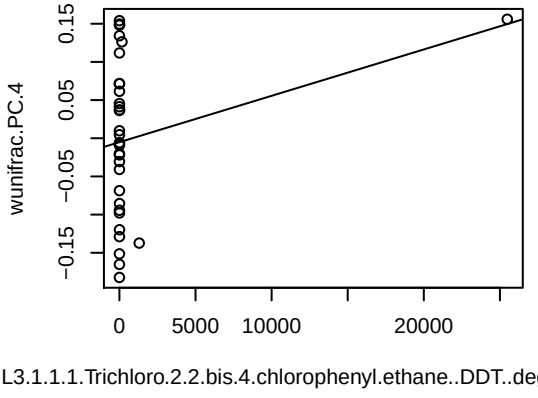
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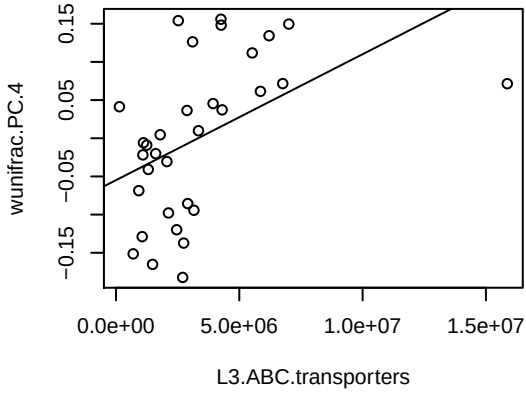
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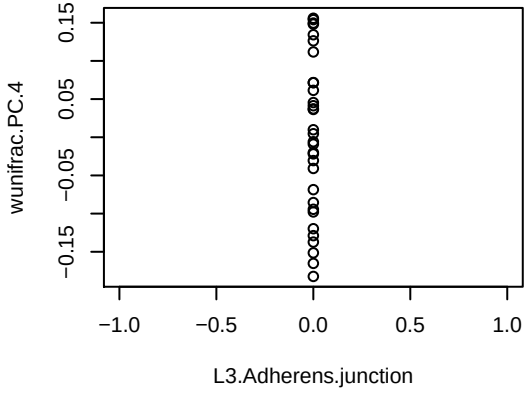
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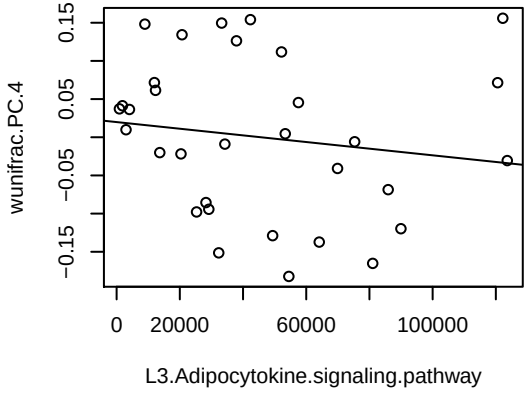
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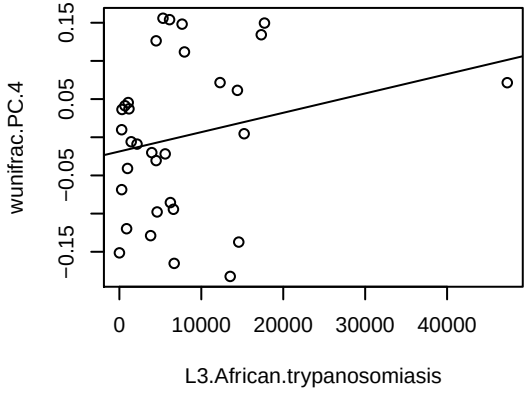
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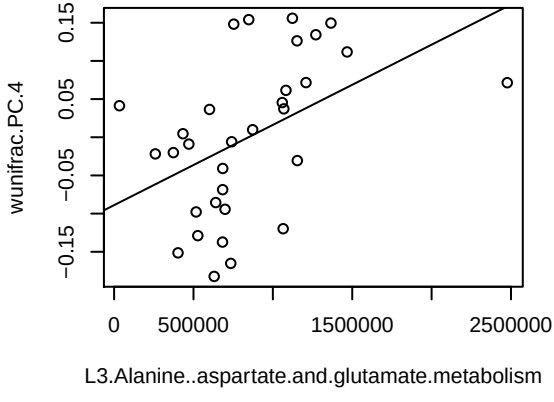
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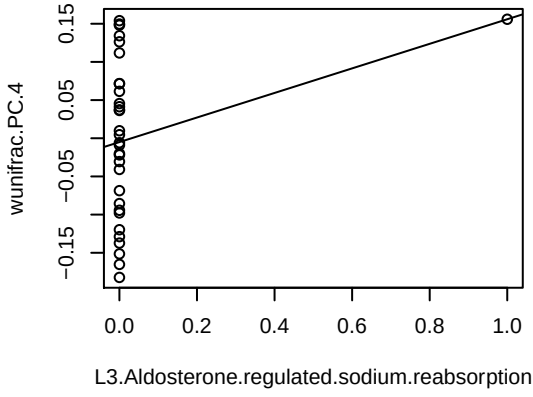
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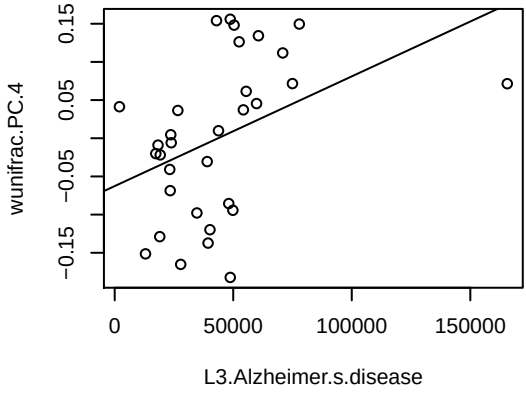
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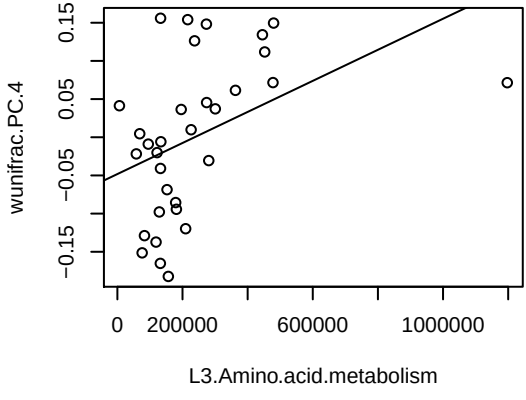
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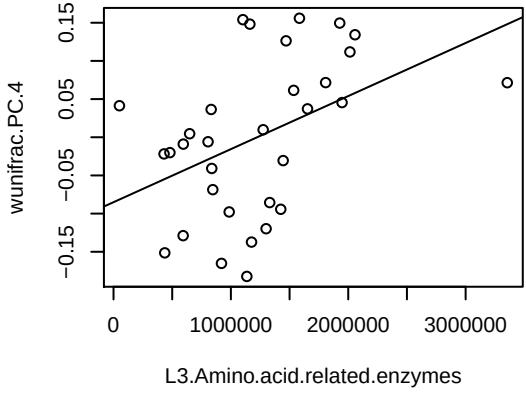
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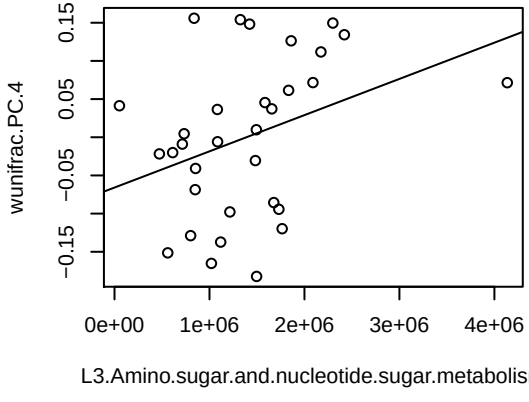
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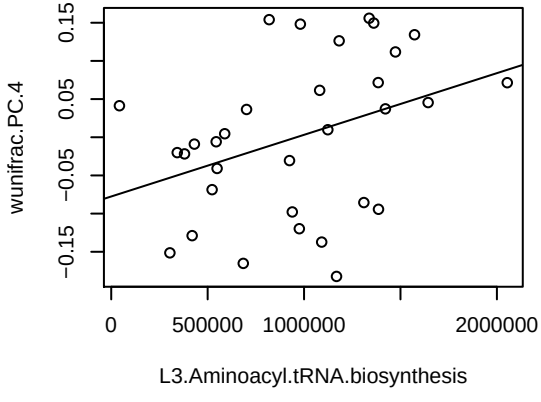
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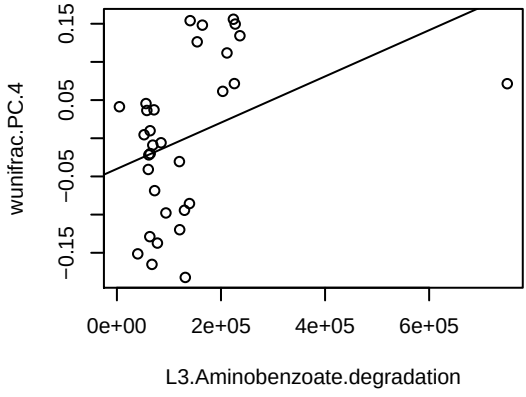
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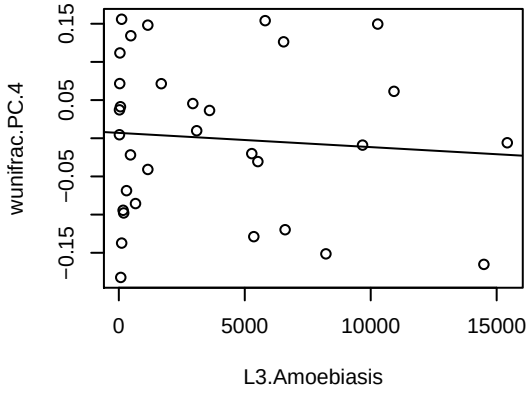
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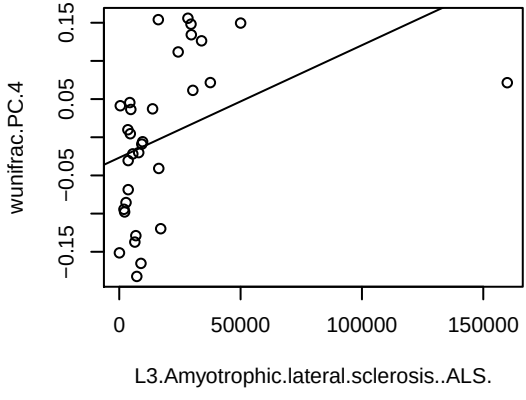
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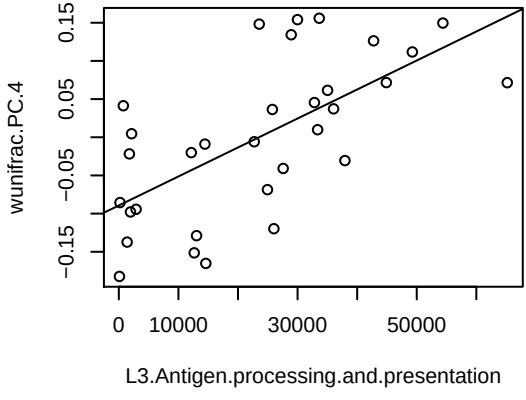
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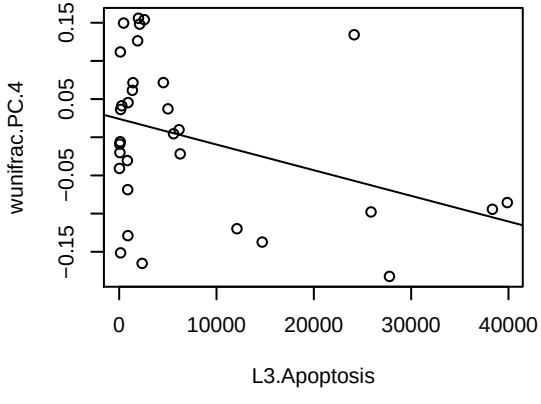
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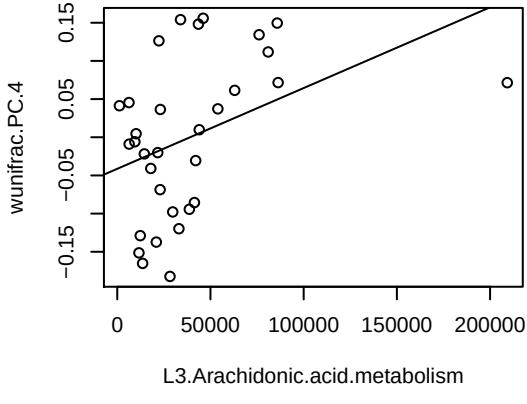
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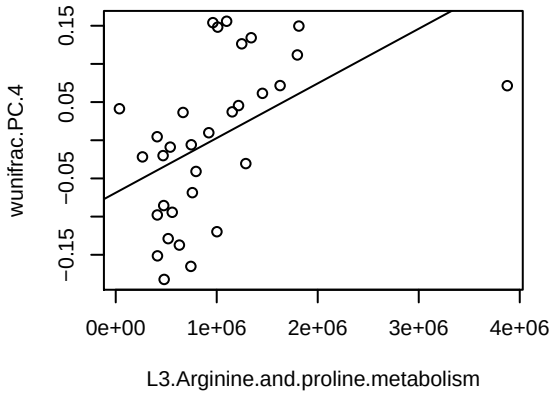
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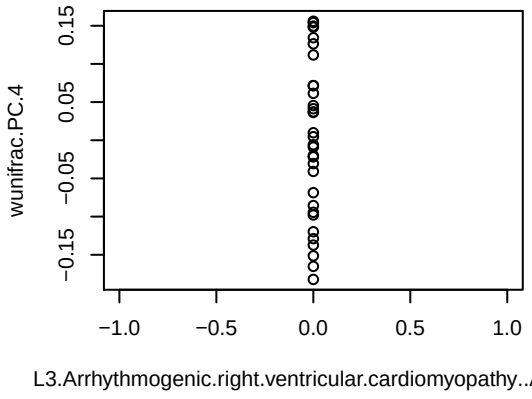
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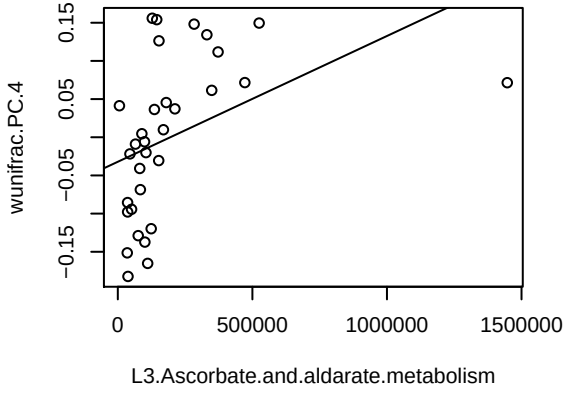
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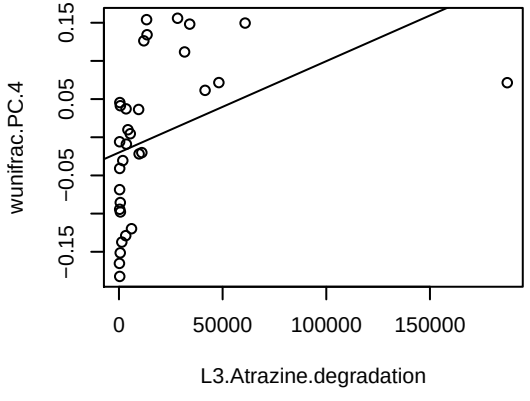
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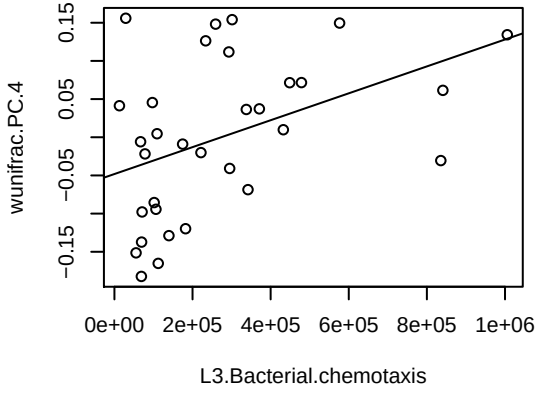
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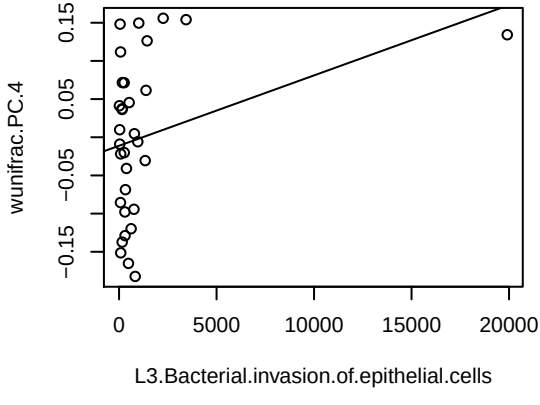
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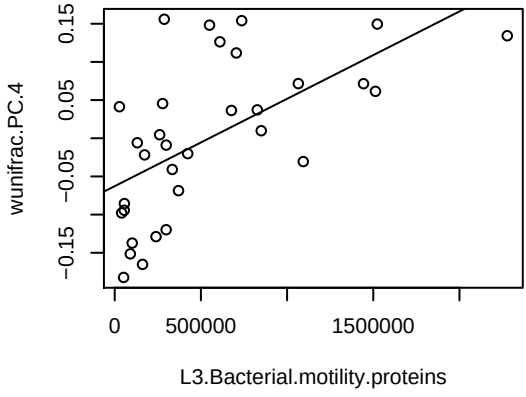
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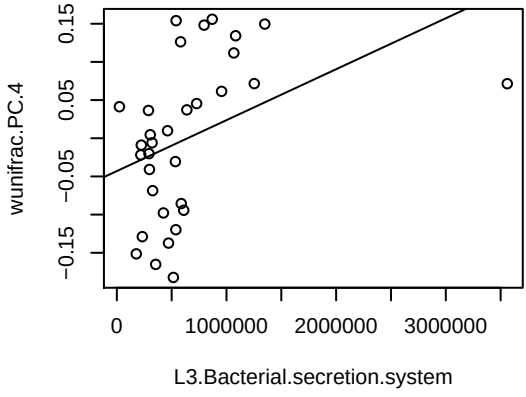
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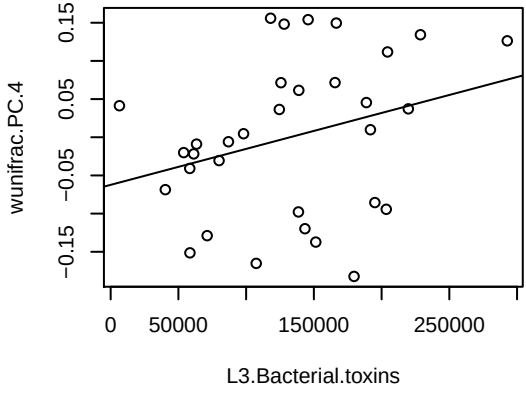
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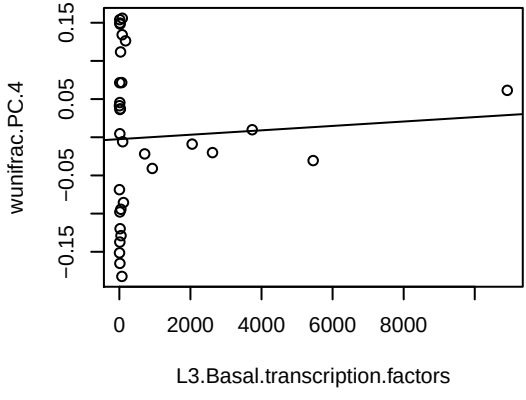
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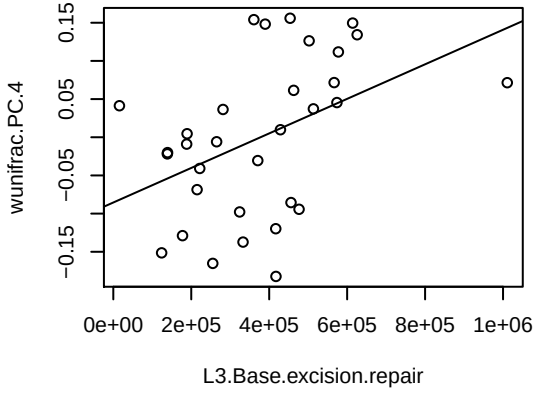
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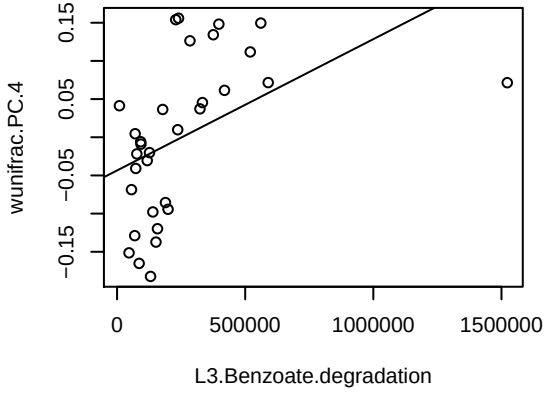
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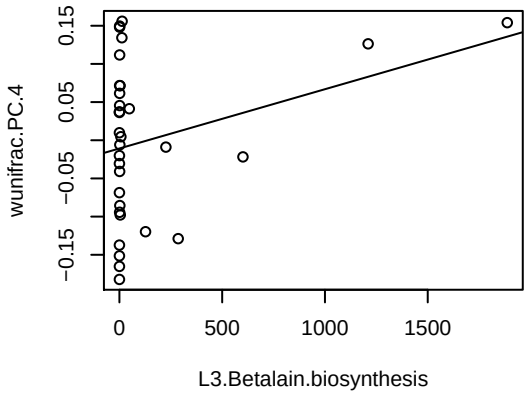
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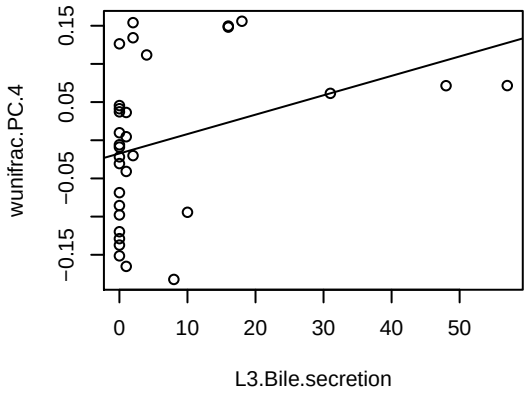
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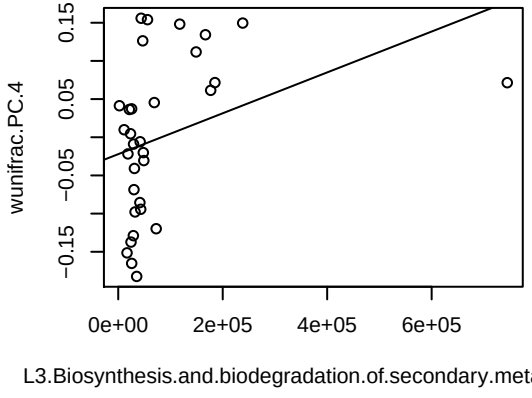
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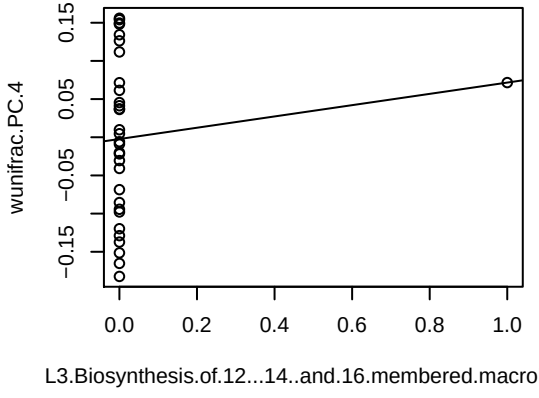
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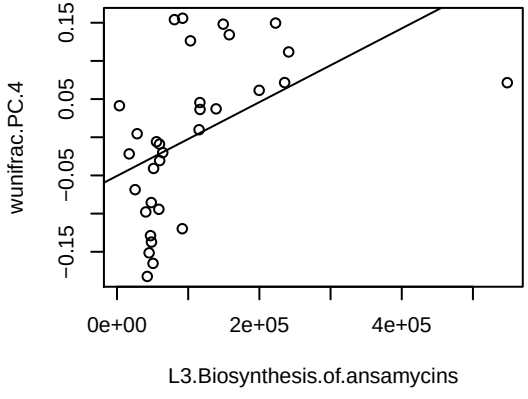
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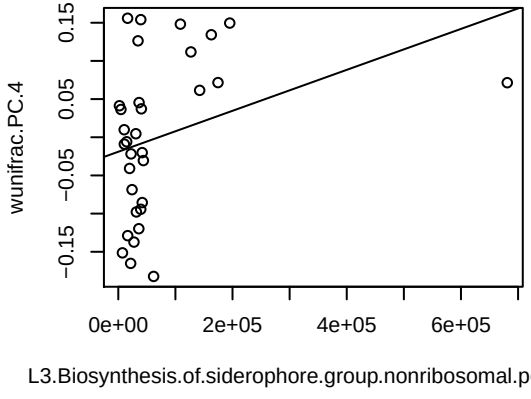
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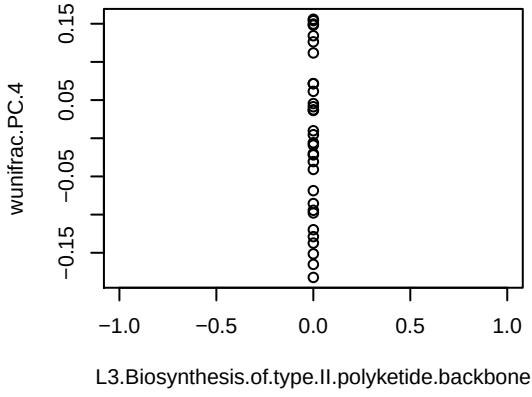
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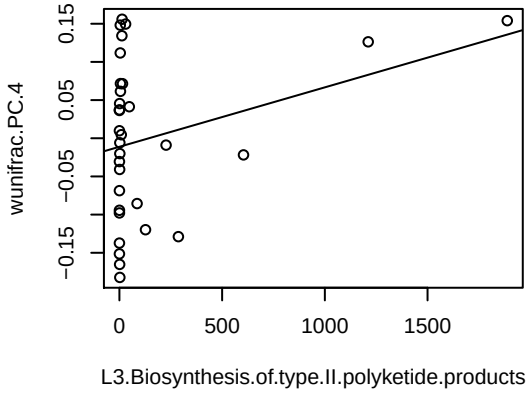
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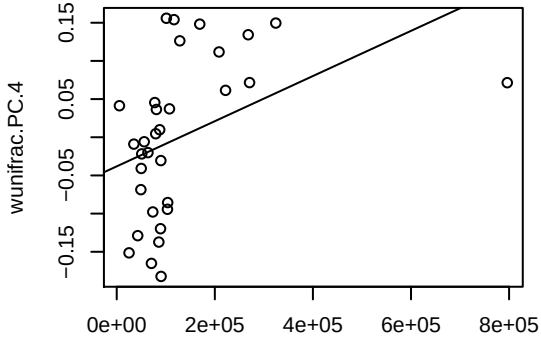
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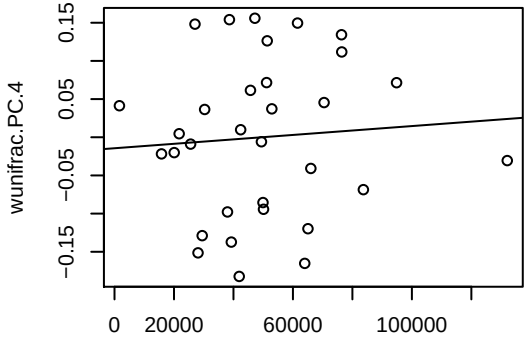
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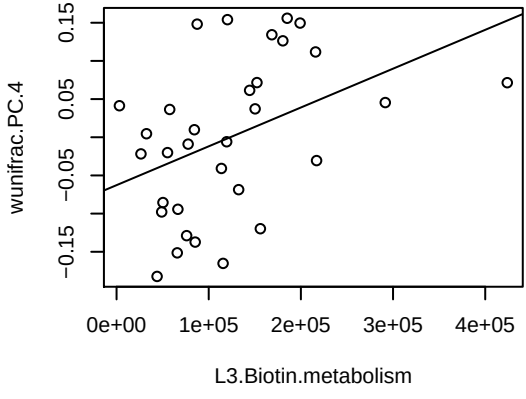
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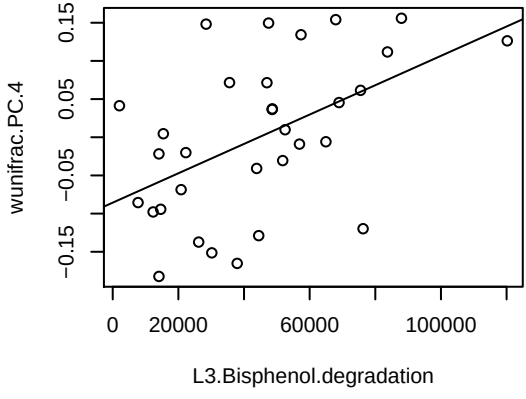
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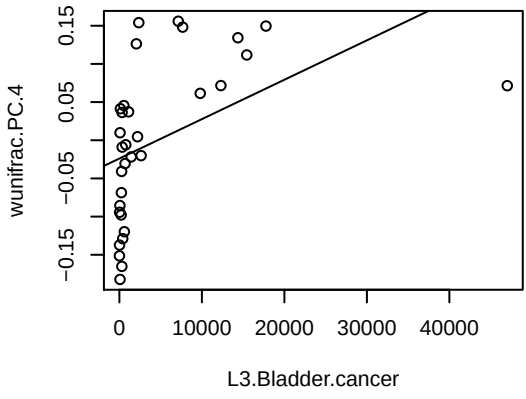
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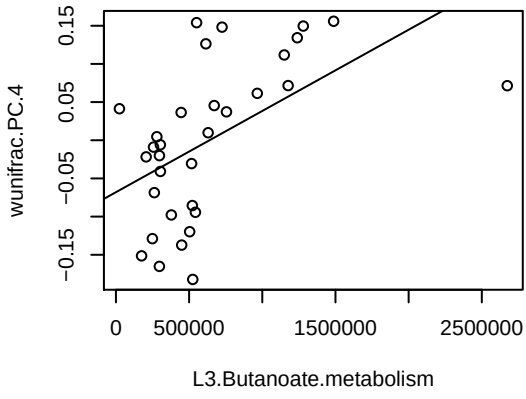
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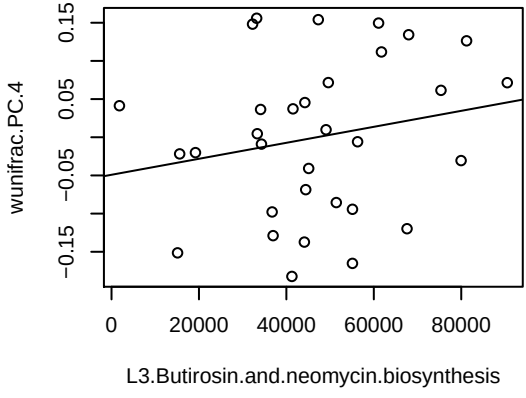
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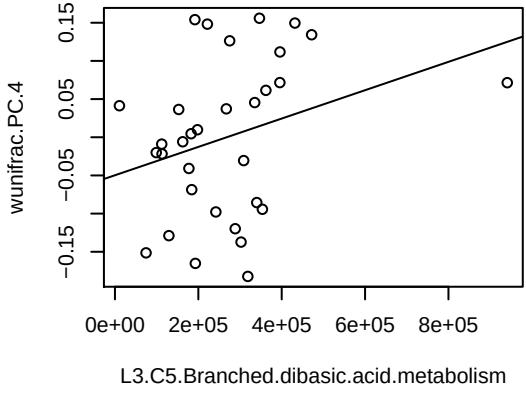
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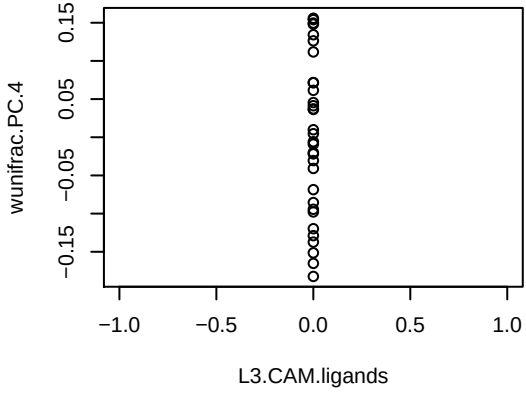
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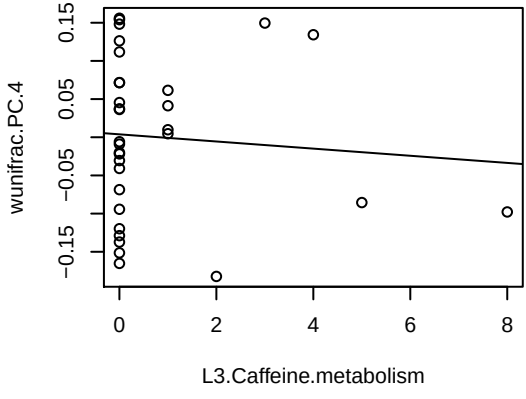
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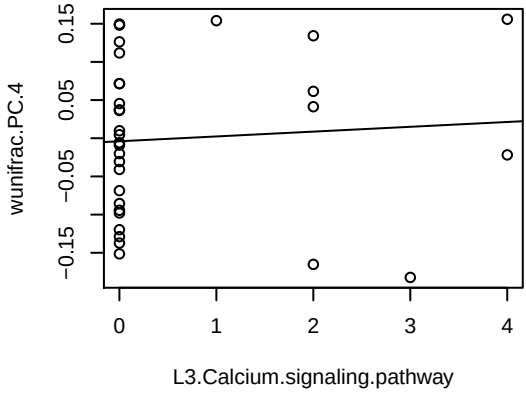
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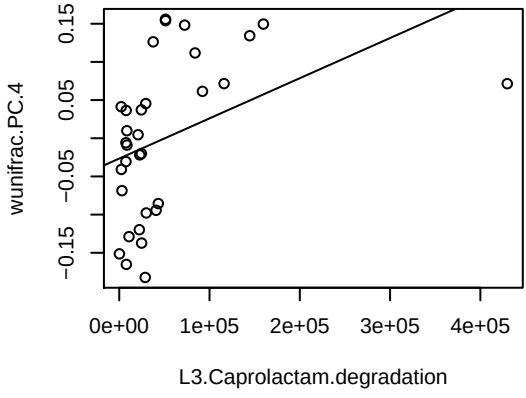
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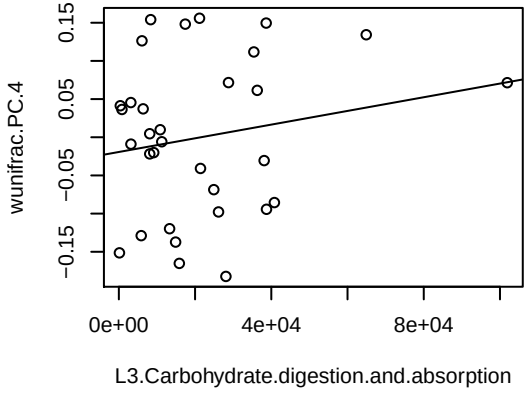
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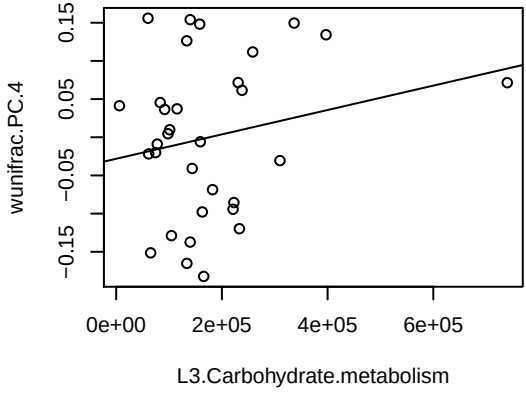
L3.Carbohydrate.digestion.and.absorption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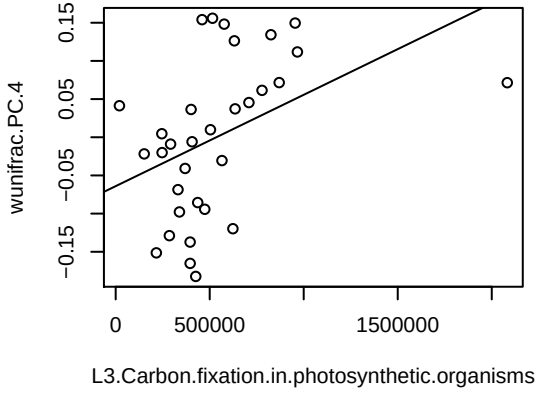
L3.Carbohydrate.metabolism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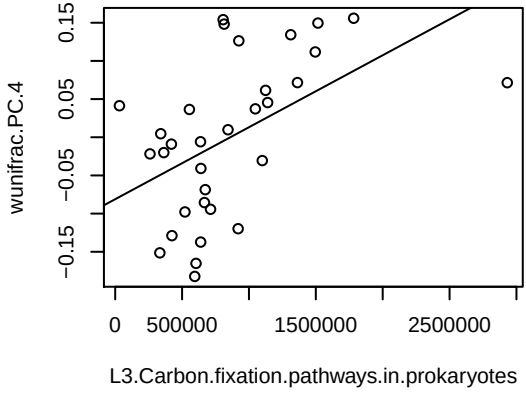
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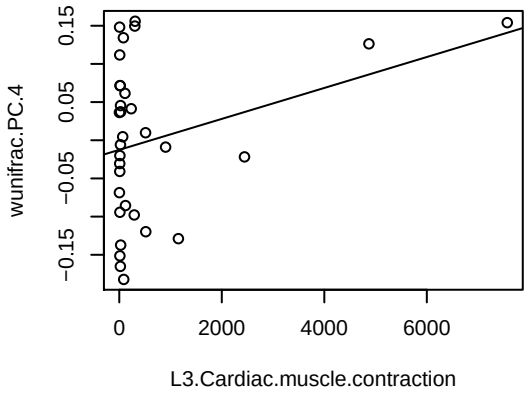
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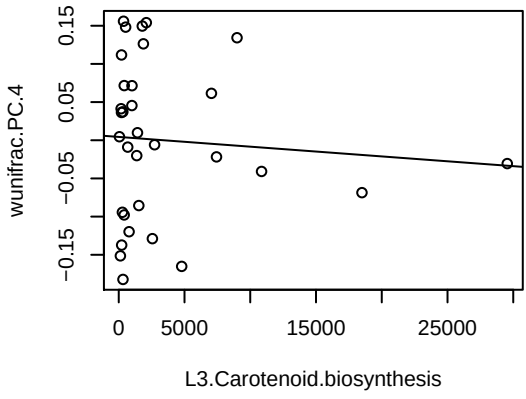
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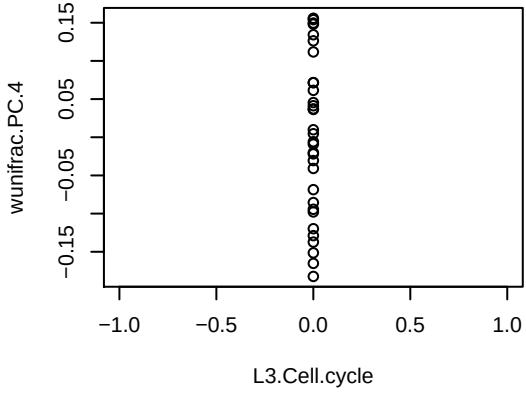
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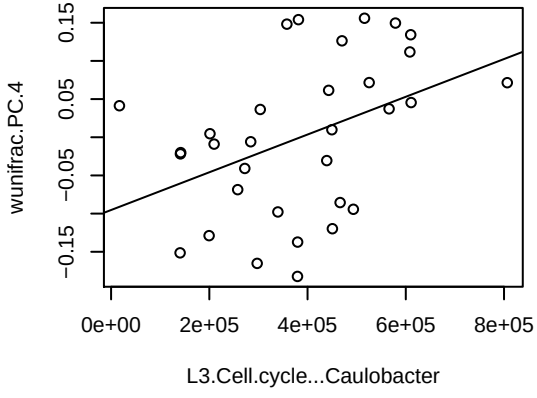
L3.Cell.cycle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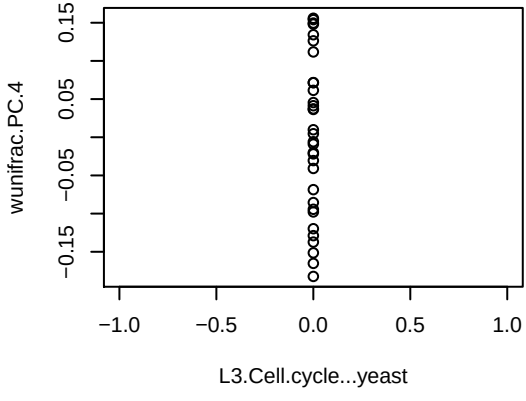
L3.Cell.cycle...Caulobacter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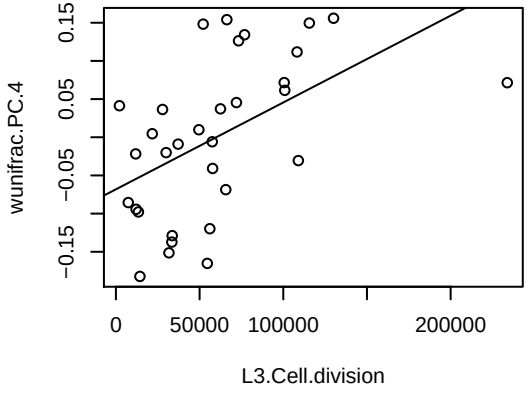
L3.Cell.cycle...yeast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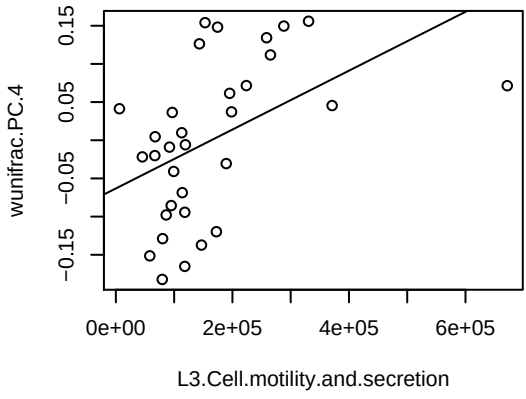
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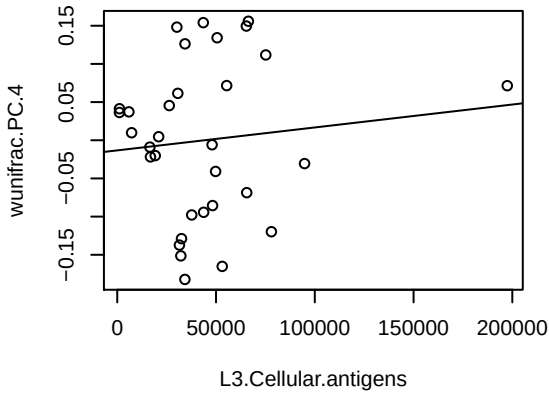
L3.Cell.motility.and.secretion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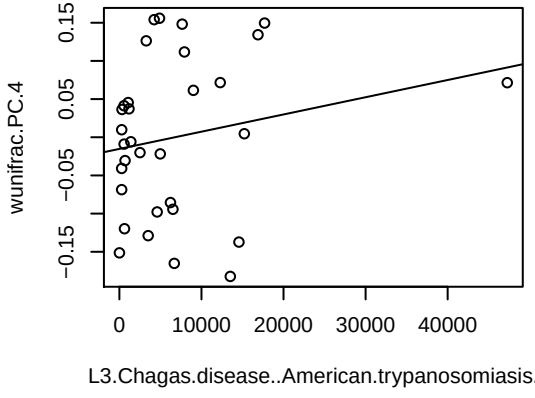
L3.Cellular.antigens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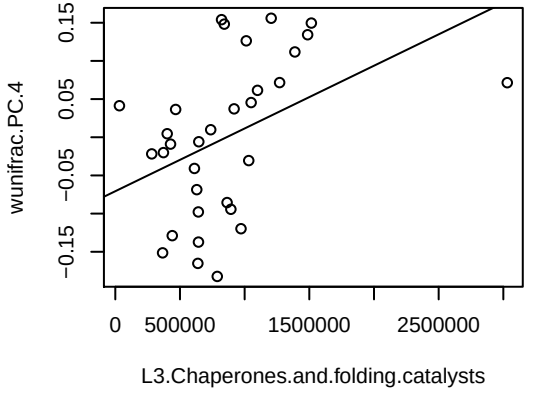
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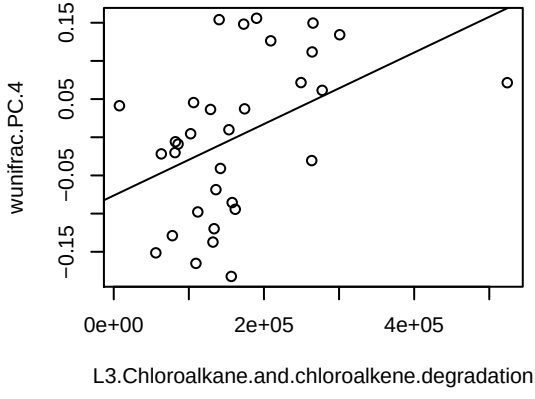
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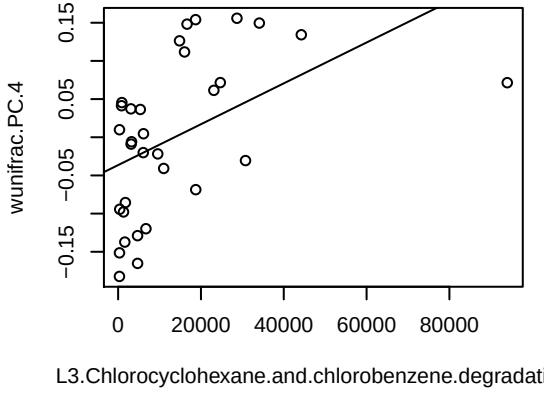
L3.Chloroalkane.and.chloroalkene.degradation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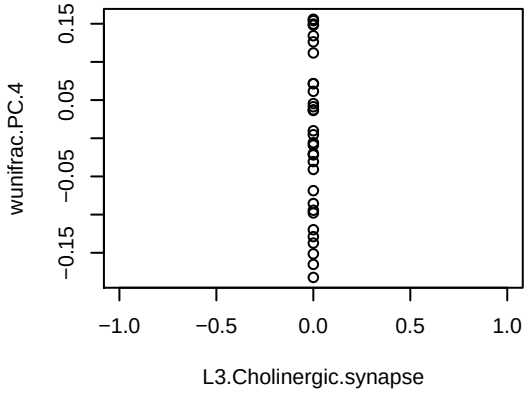
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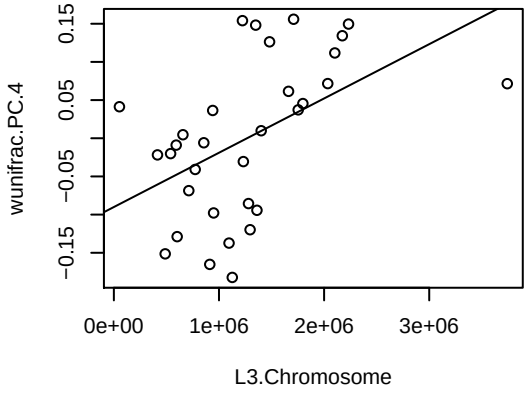
L3.Cholinergic.synapse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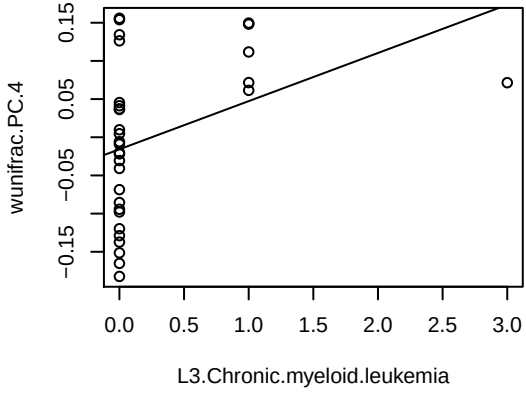
L3.Chromosome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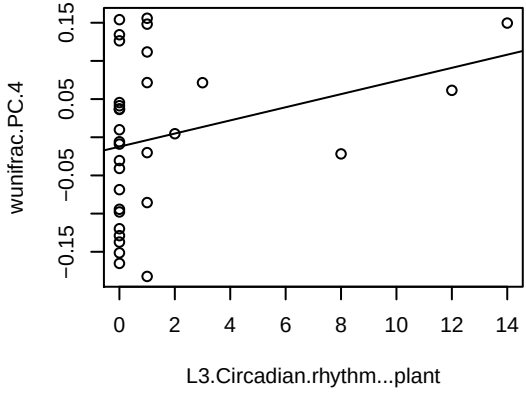
L3.Chronic.myeloid.leukemia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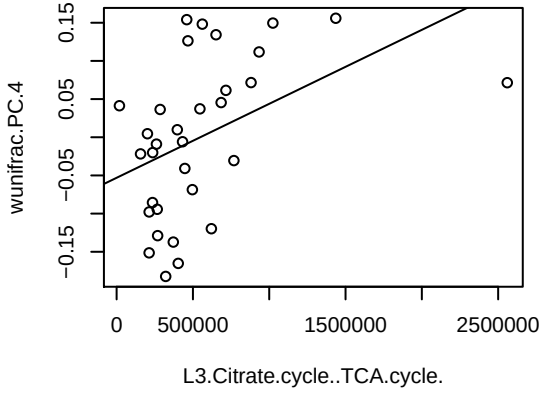
L3.Circadian.rhythm...plant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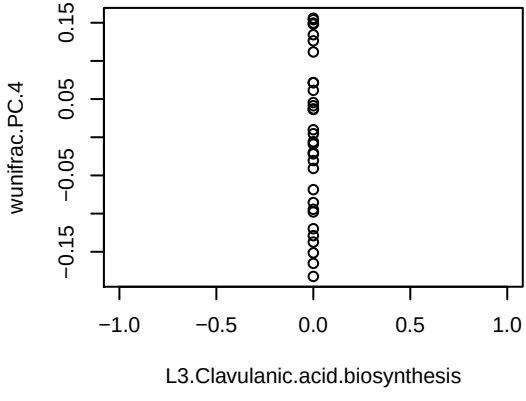
L3.Citrate.cycle..TCA.cycle.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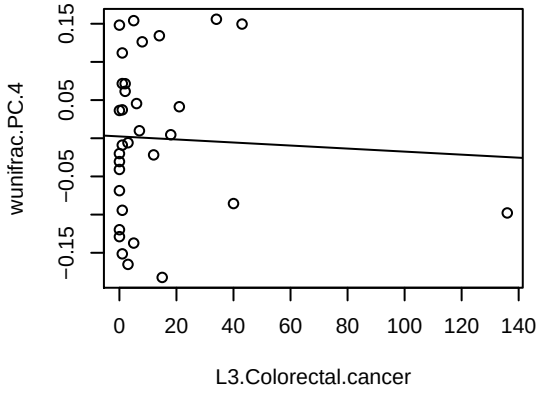
L3.Clavulanic.acid.biosynthesis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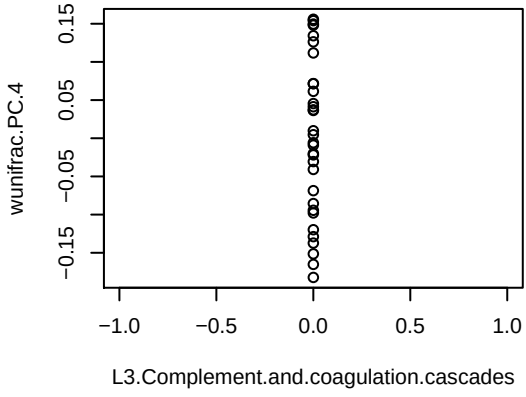
L3.Colorectal.cancer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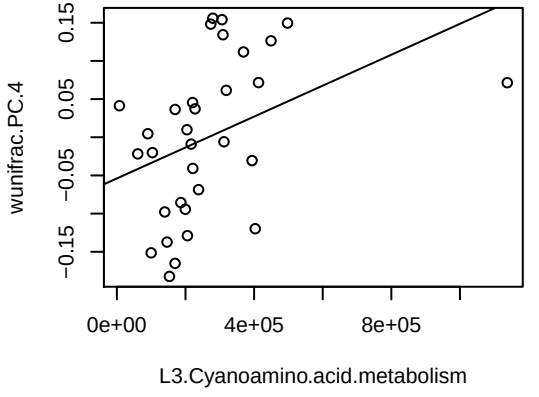
L3.Complement.and.coagulation.cascades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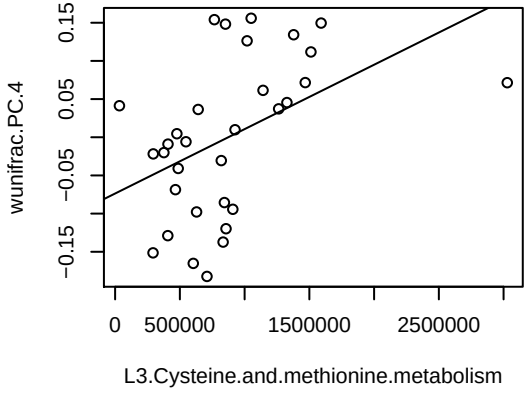
L3.Cyanoamino.acid.metabolism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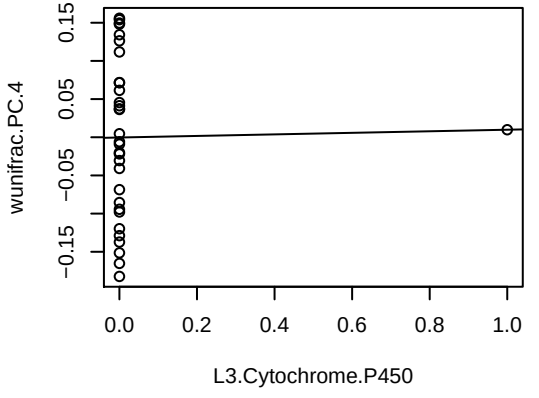
L3.Cysteine.and.methionine.metabolism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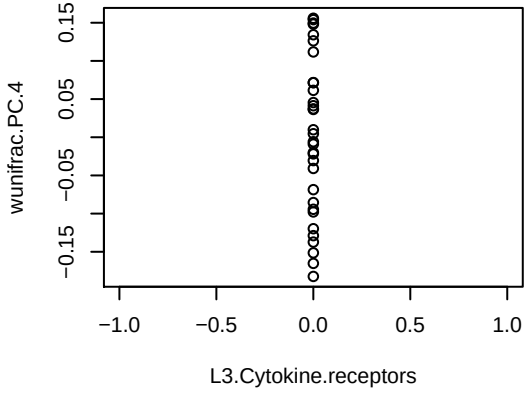
L3.Cytochrome.P450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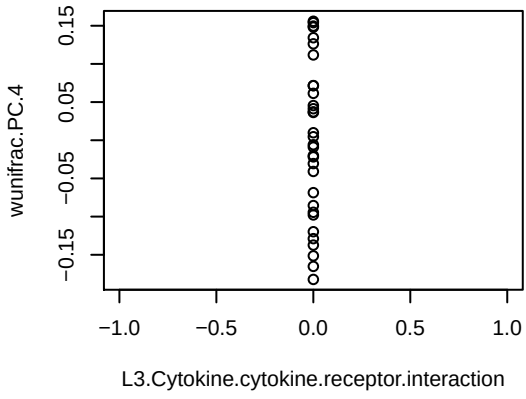
L3.Cytokine.receptors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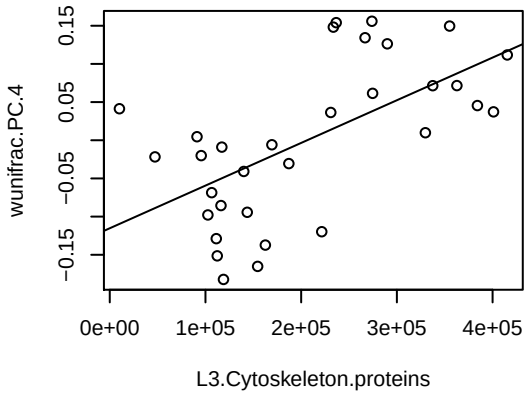
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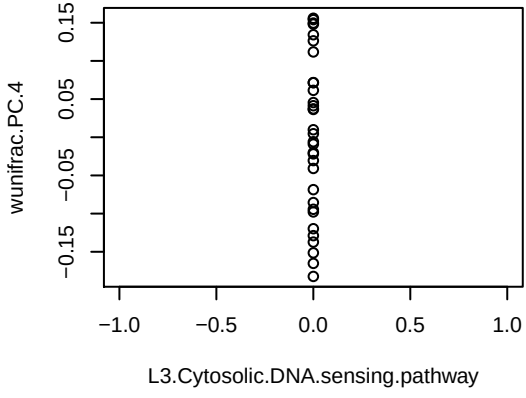
L3.Cytoskeleton.proteins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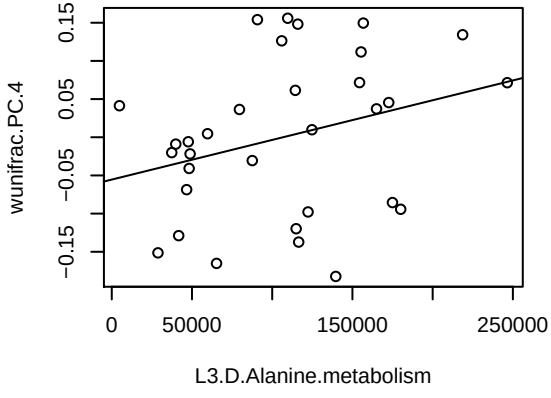
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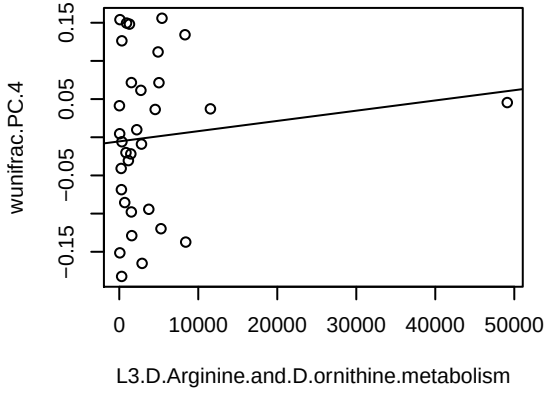
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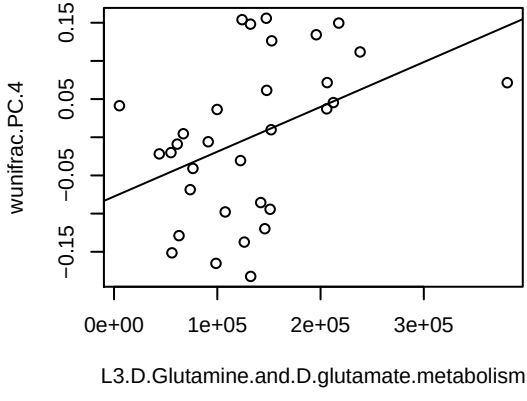
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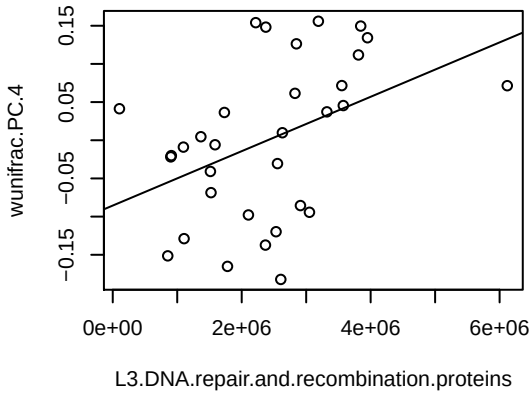
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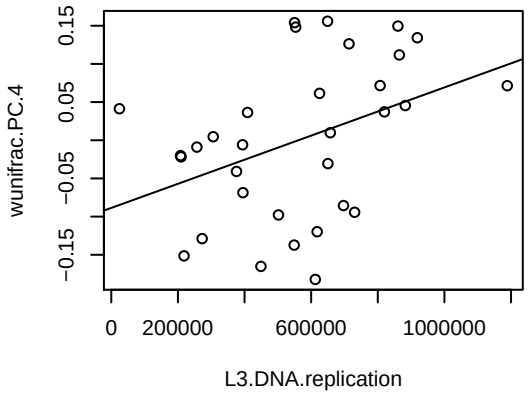
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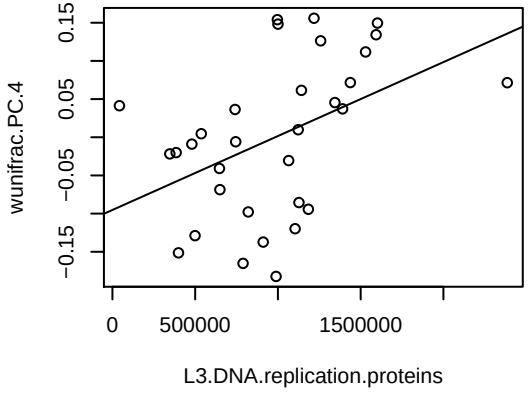
L3.DNA.replication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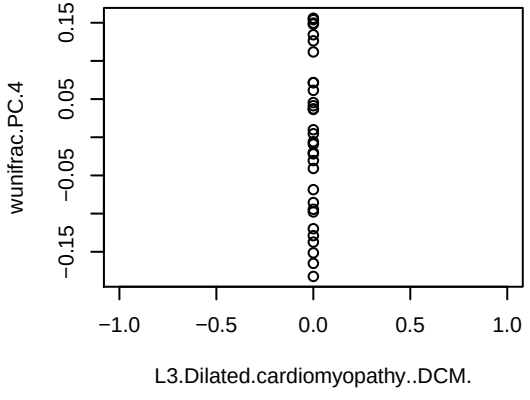
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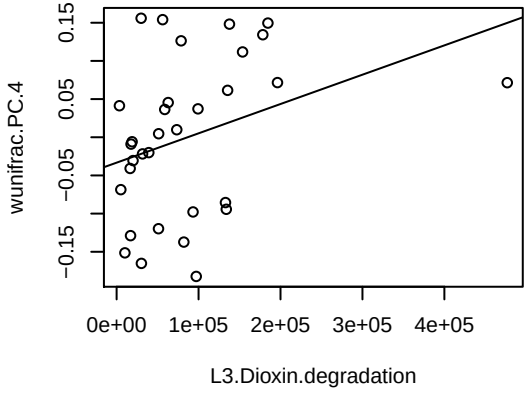
L3.Dilated.cardiomyopathy..DCM.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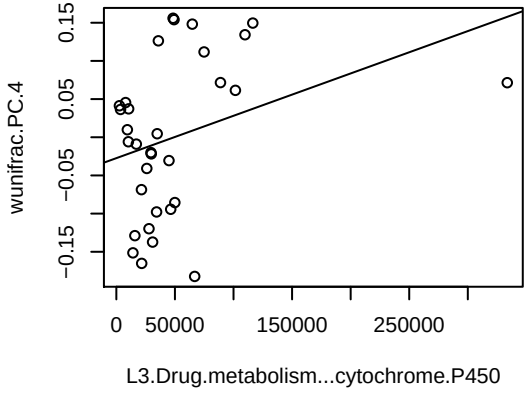
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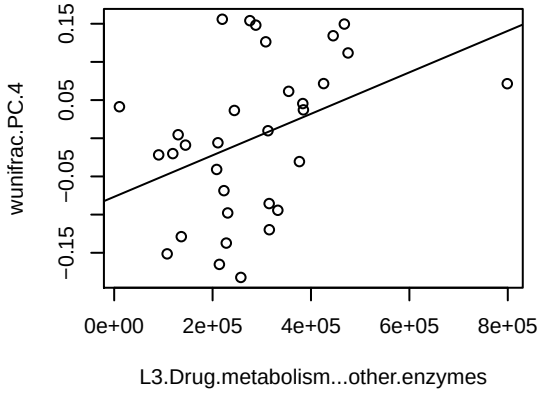
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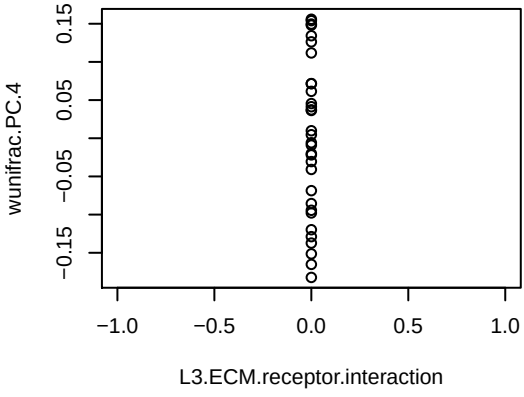
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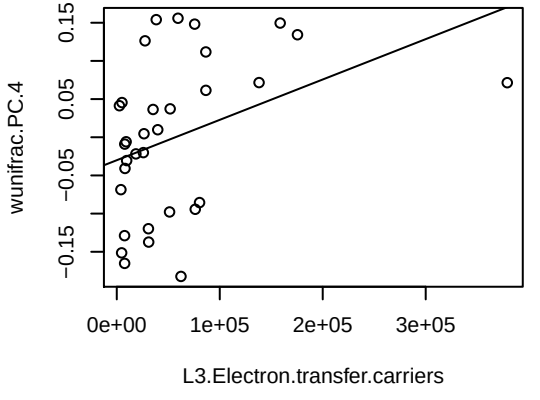
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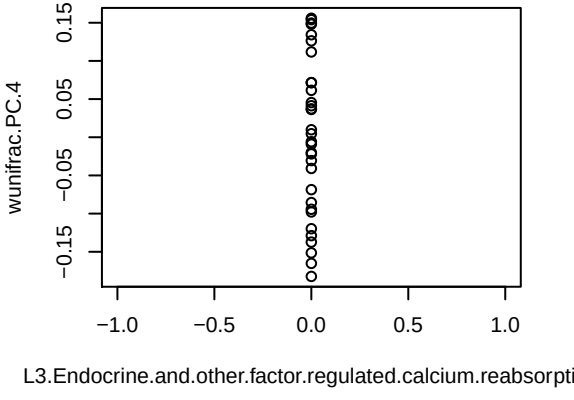
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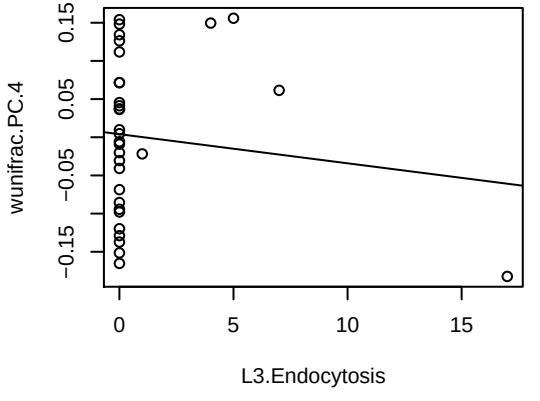
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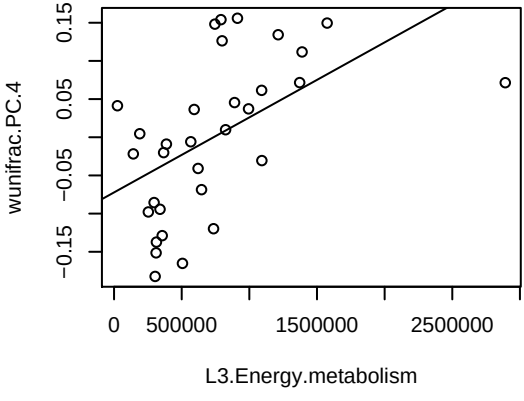
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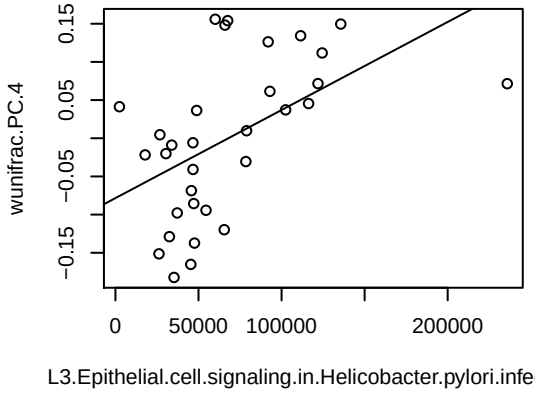
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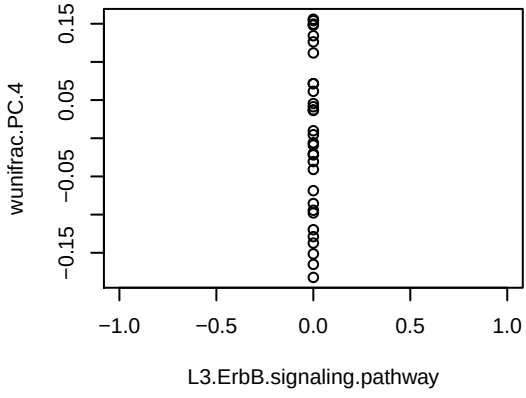
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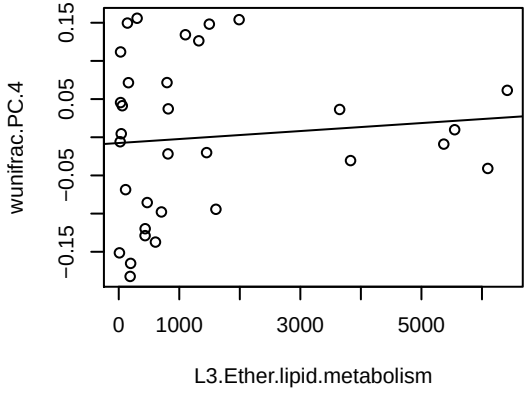
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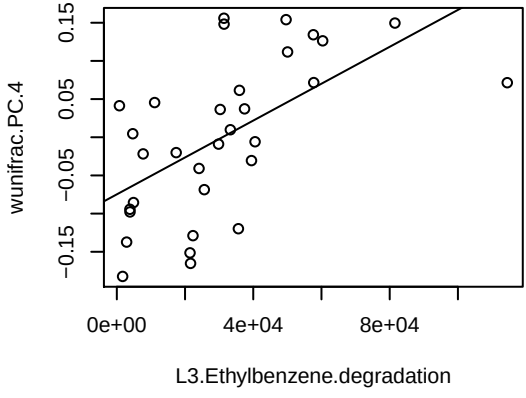
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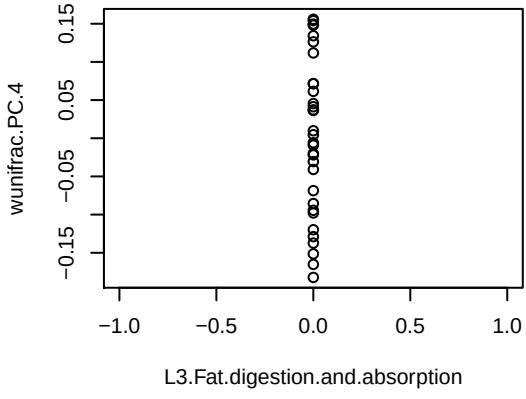
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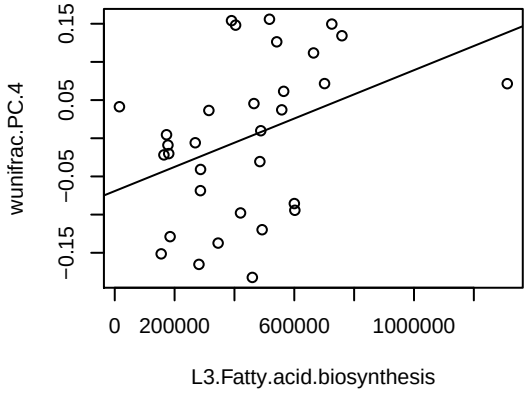
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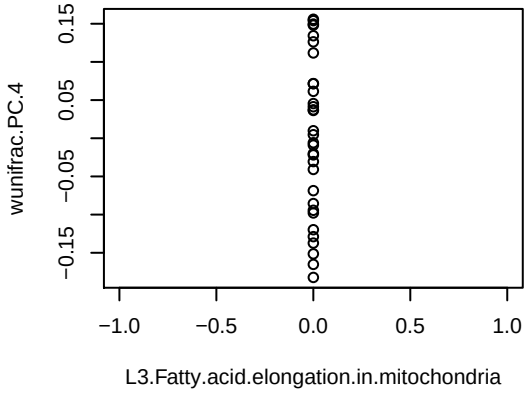
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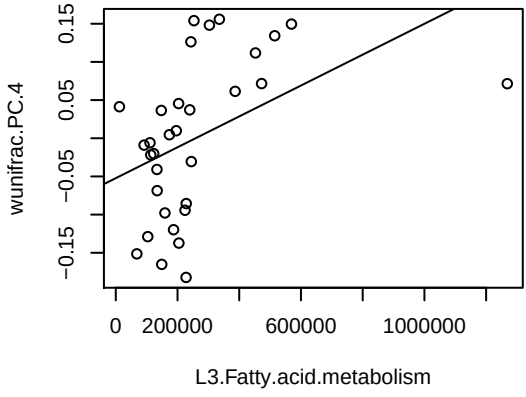
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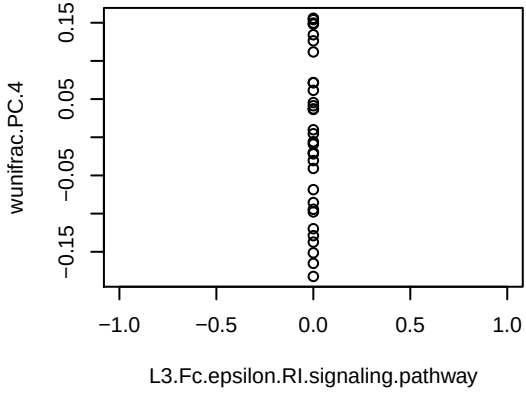
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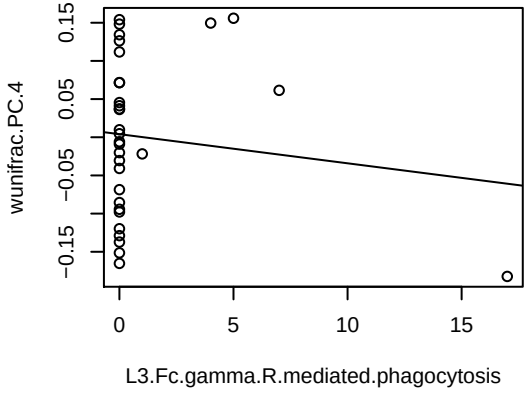
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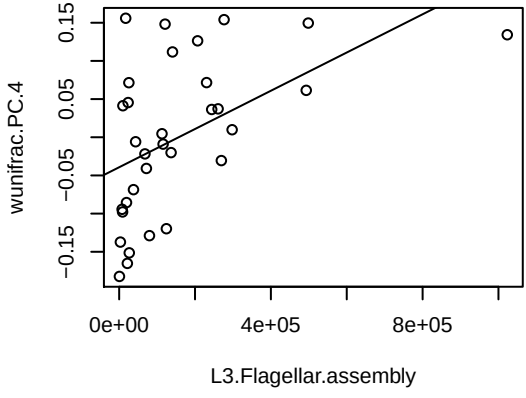
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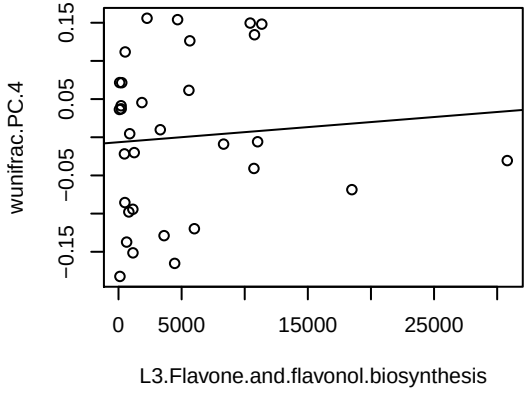
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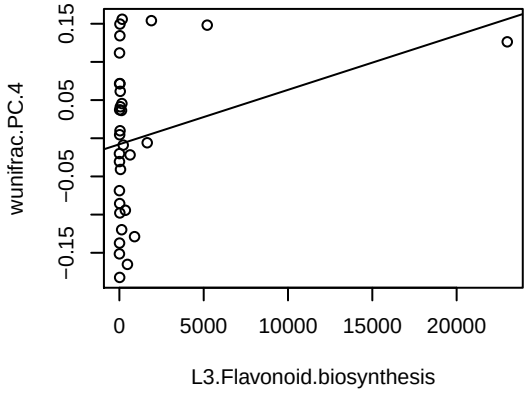
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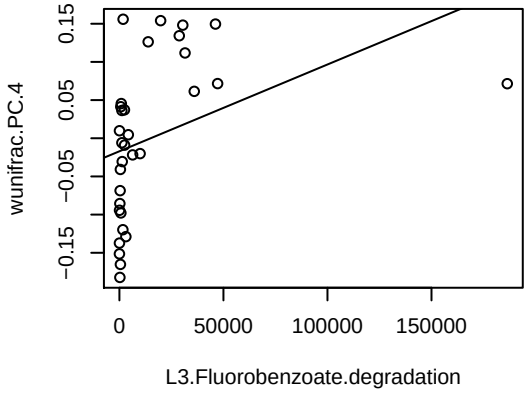
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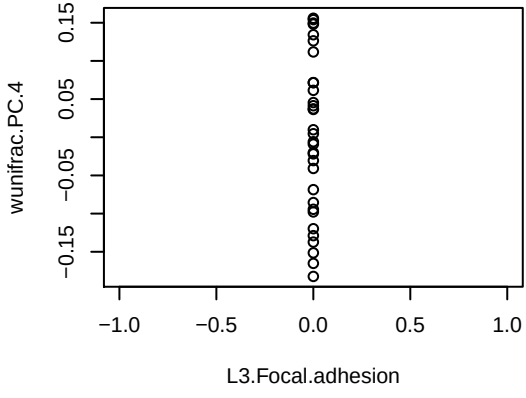
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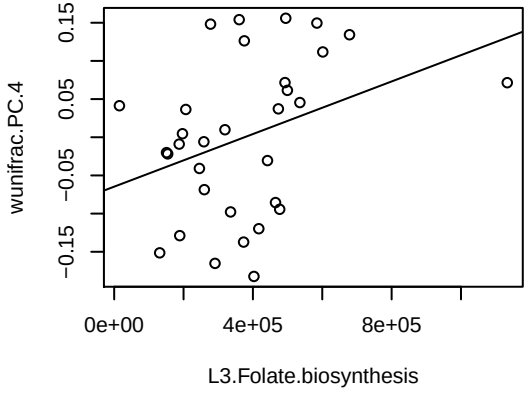
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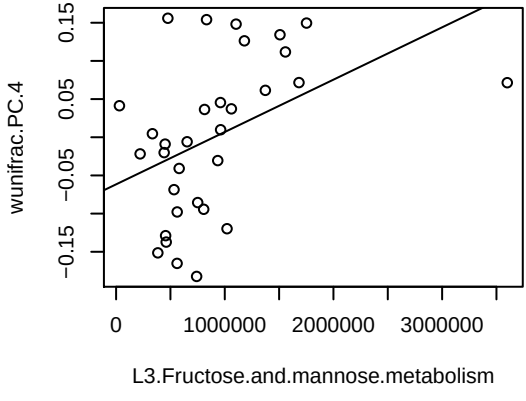
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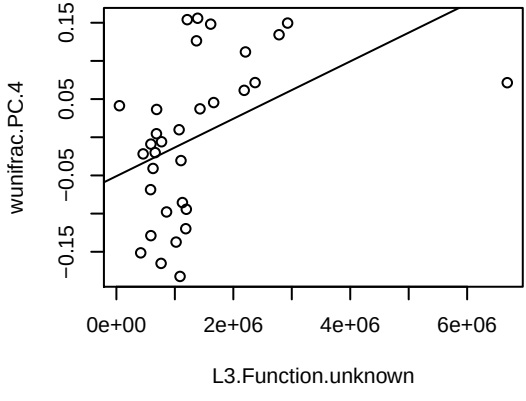
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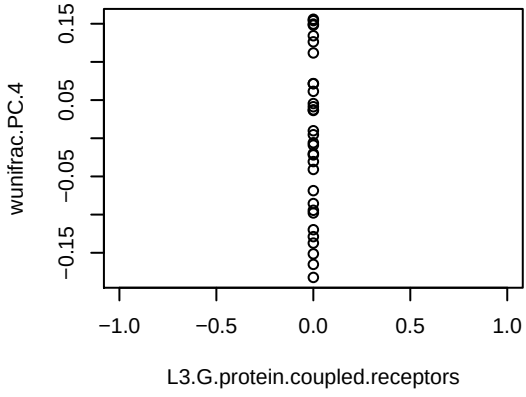
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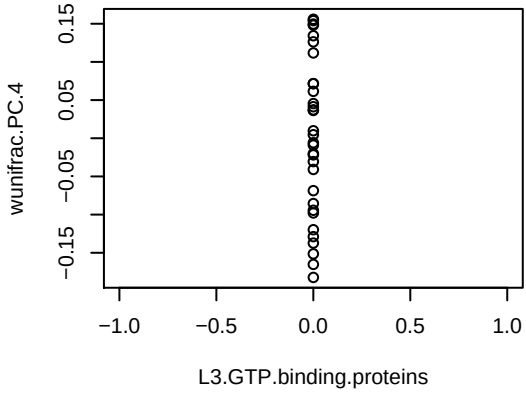
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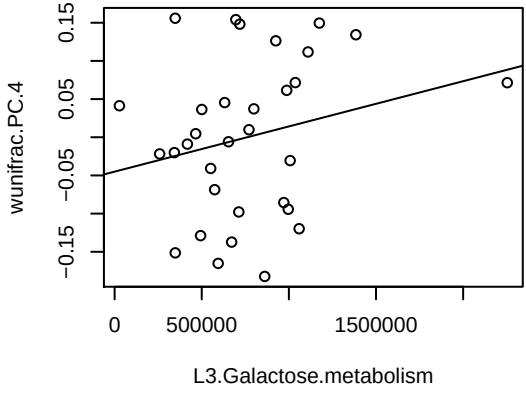
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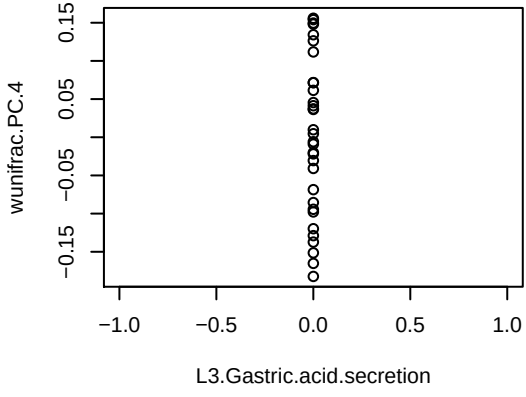
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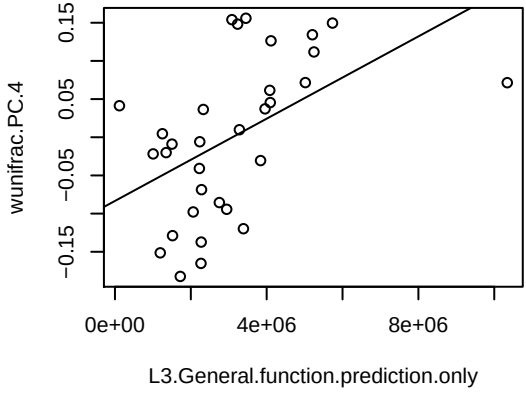
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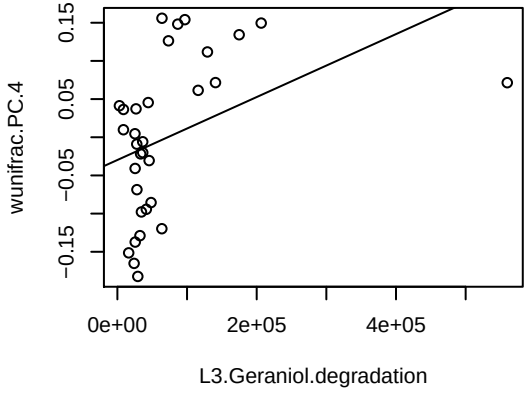
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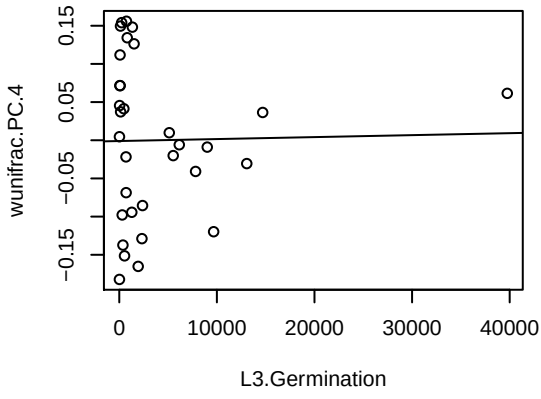
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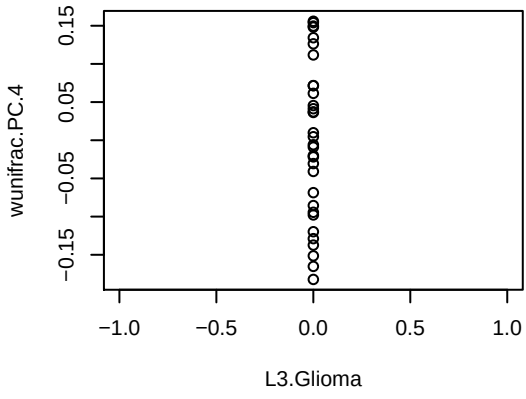
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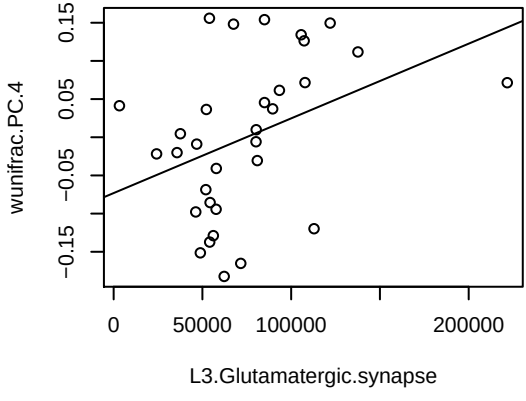
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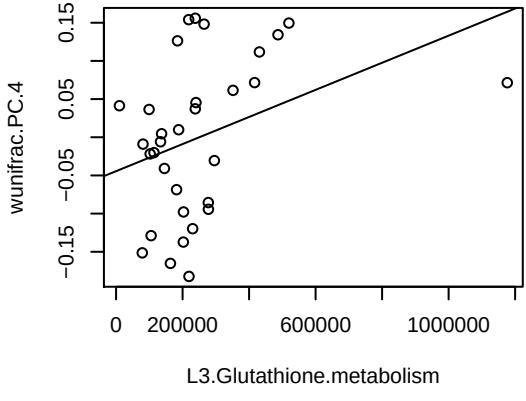
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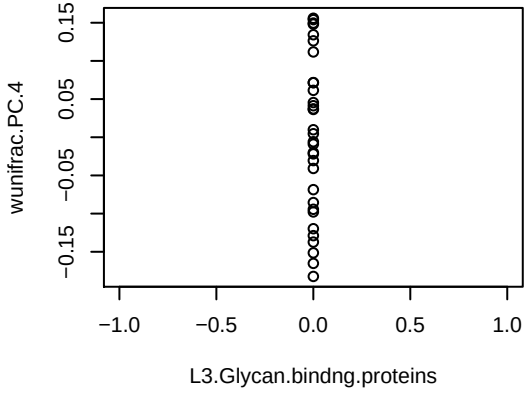
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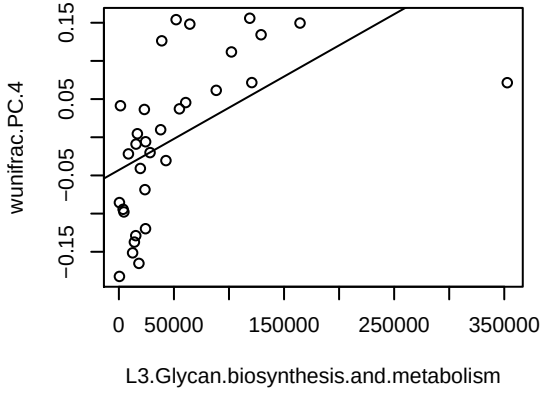
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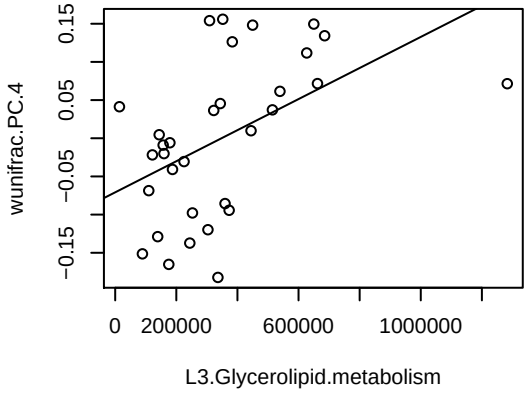
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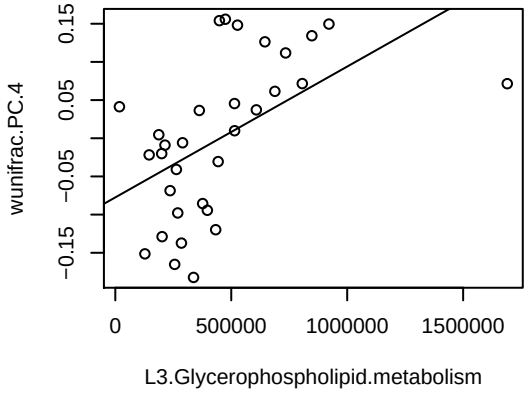
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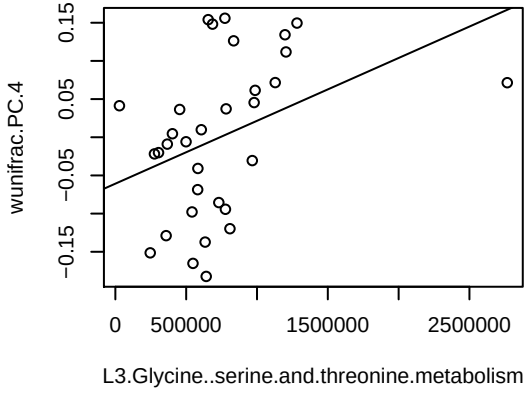
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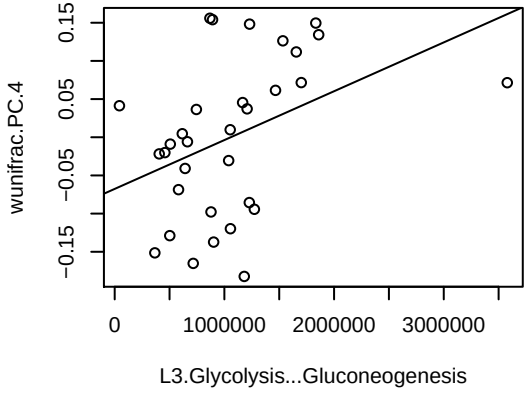
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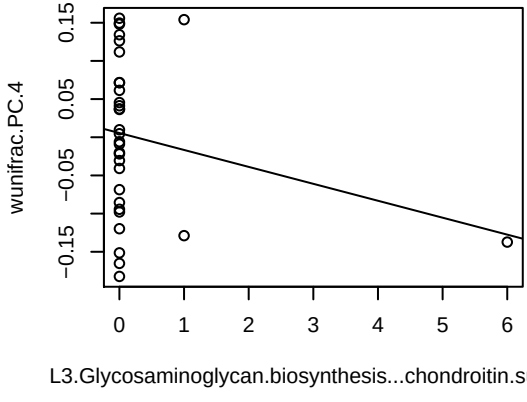
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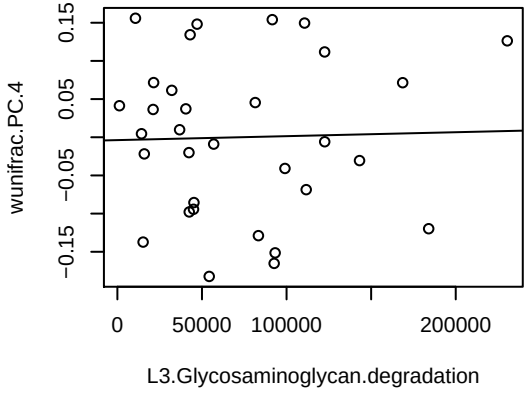
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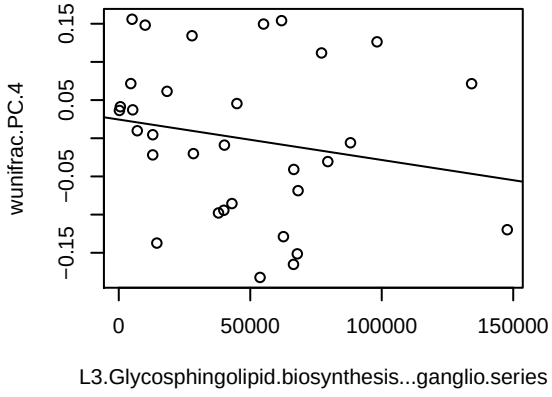
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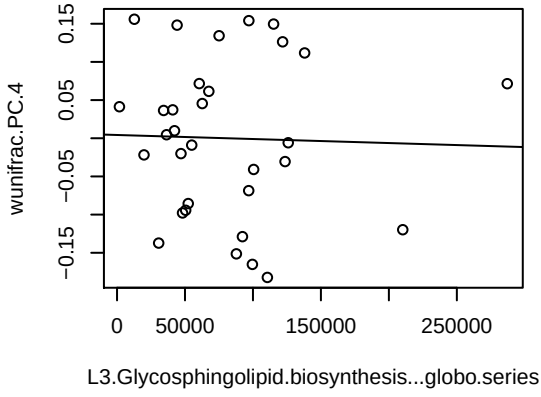
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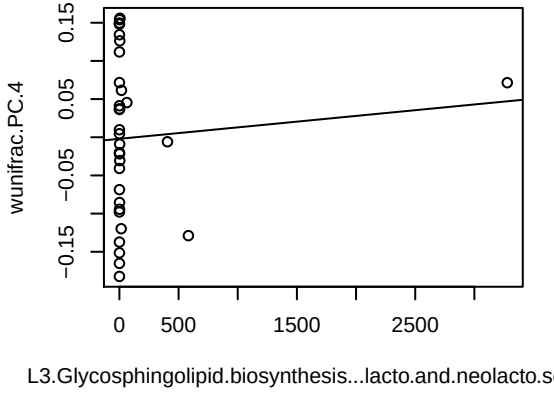
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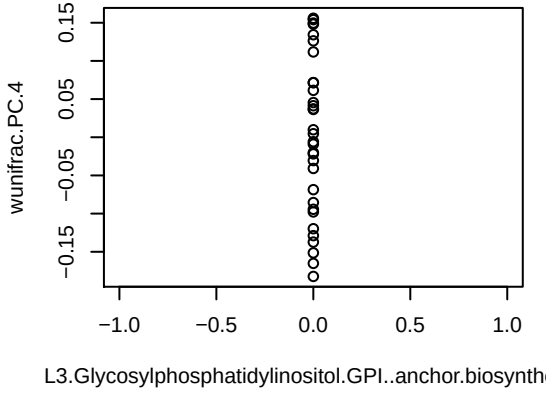
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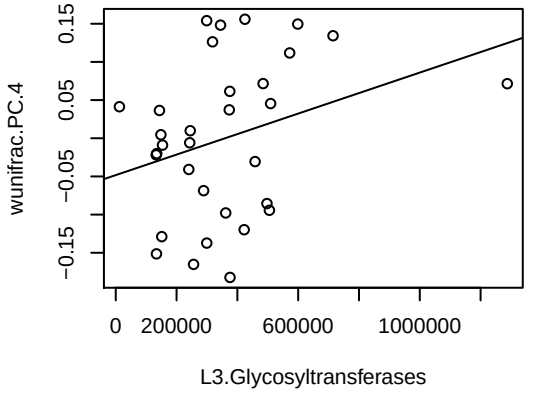
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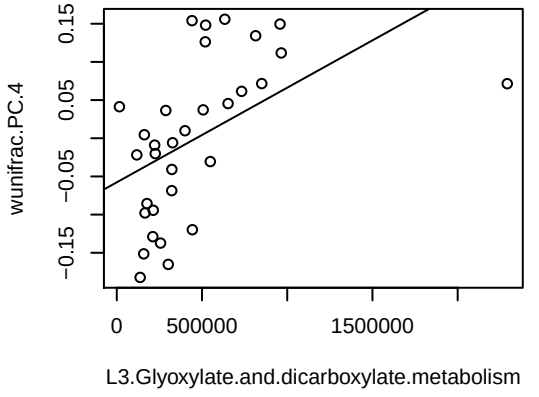
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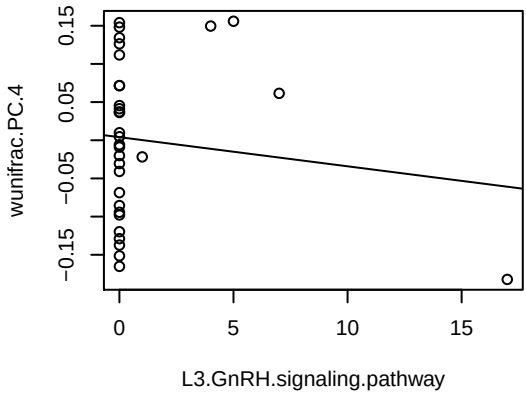
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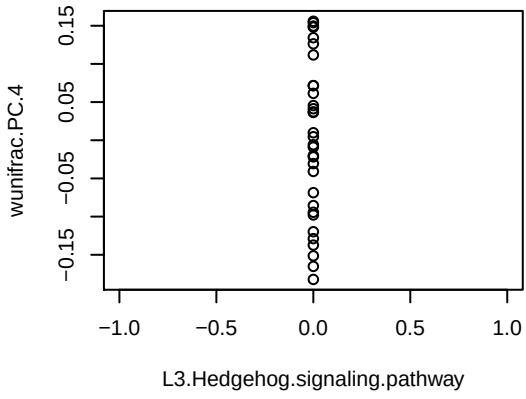
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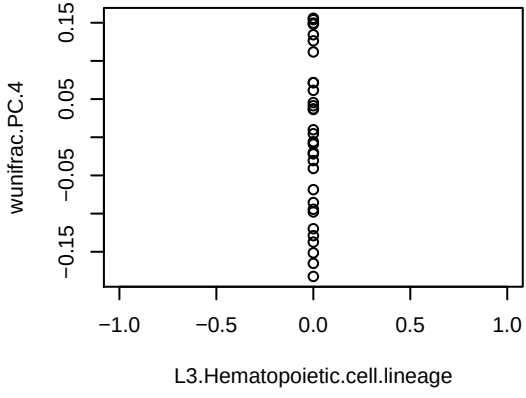
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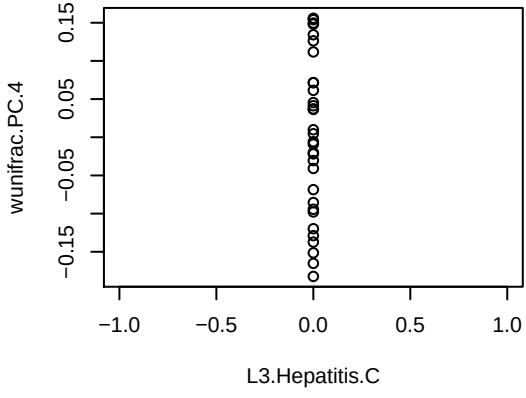
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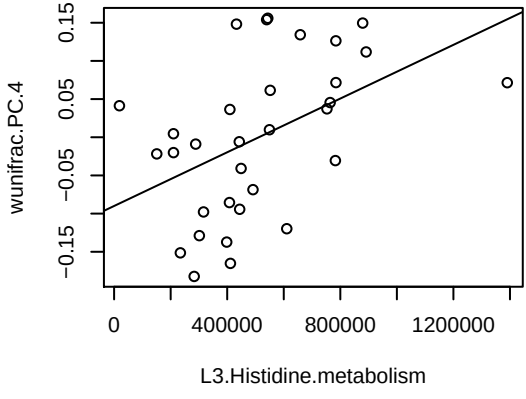
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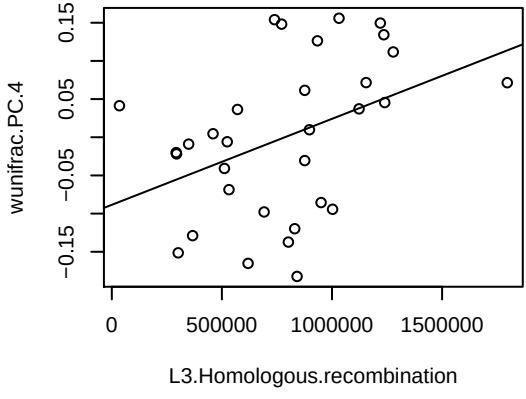
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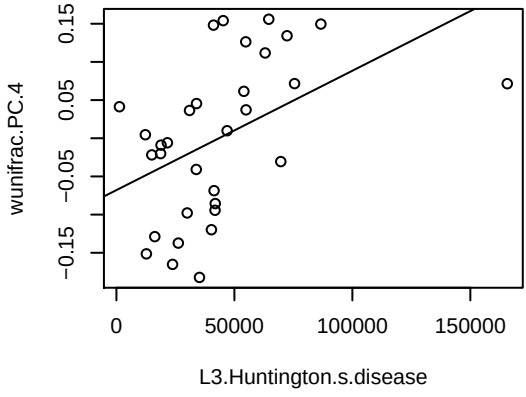
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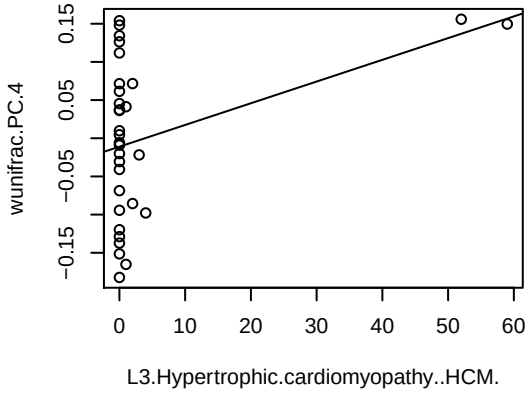
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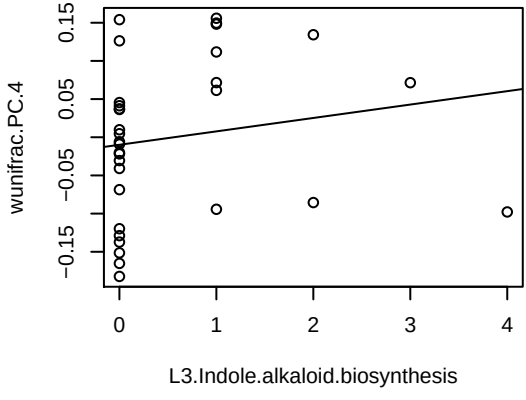
L3.Hypertrophic.cardiomyopathy..HCM.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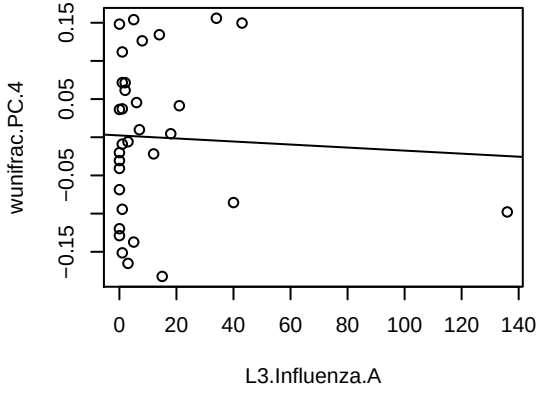
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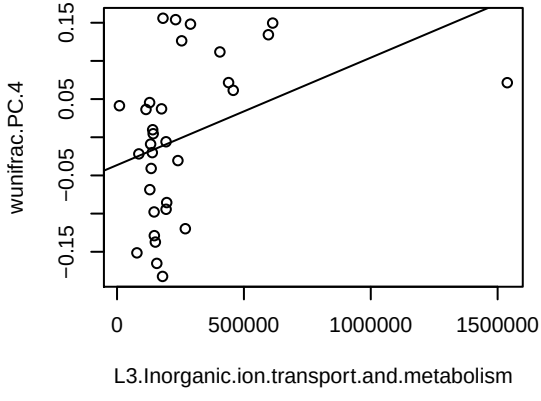
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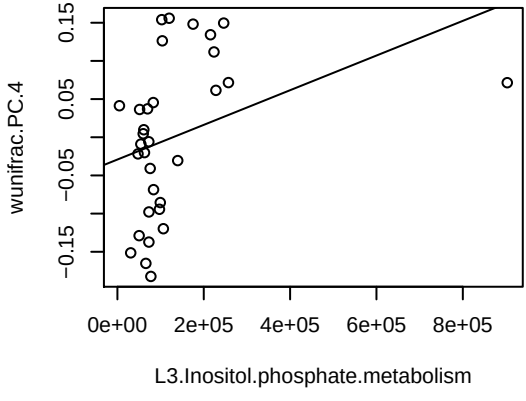
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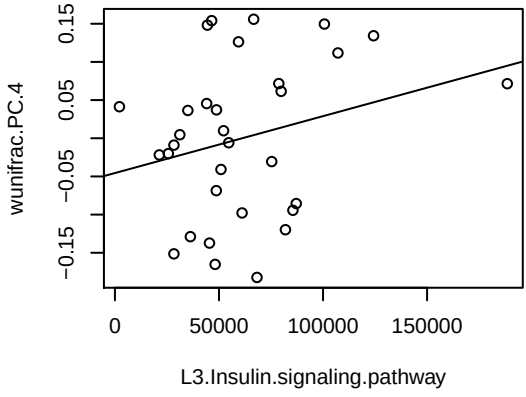
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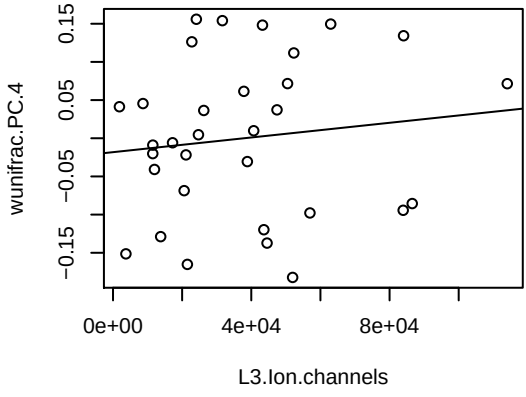
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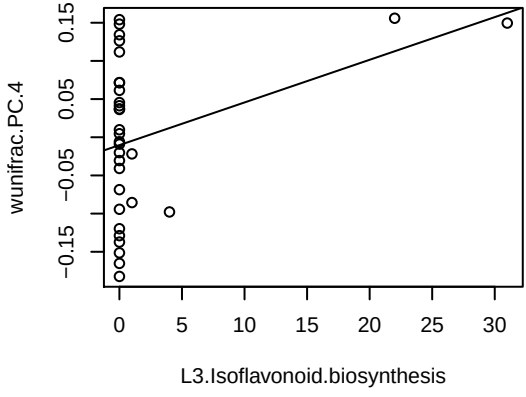
L3.Ion.channels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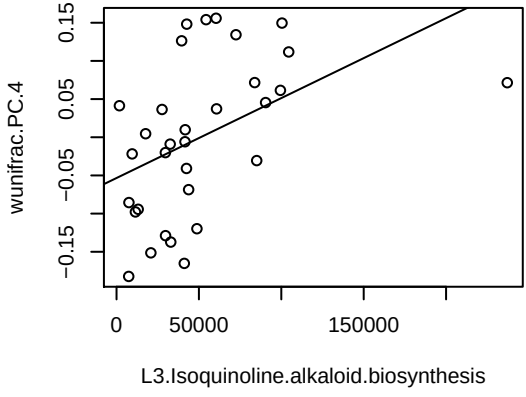
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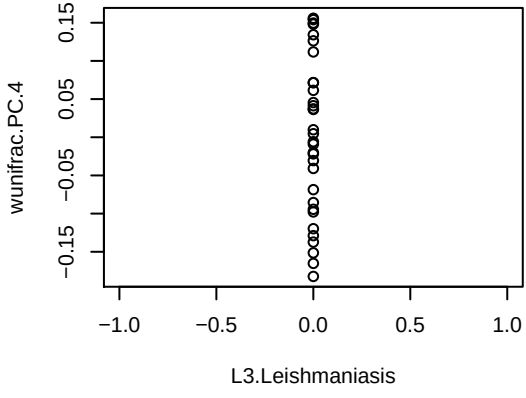
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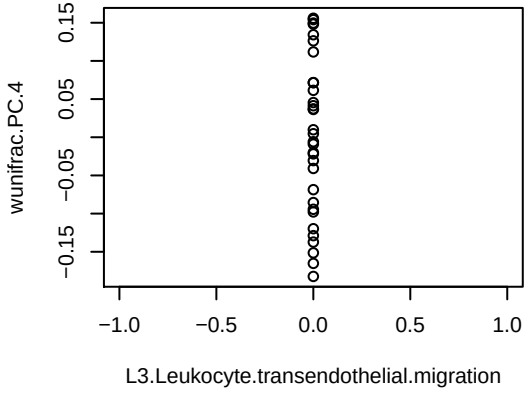
L3.Leishmaniasis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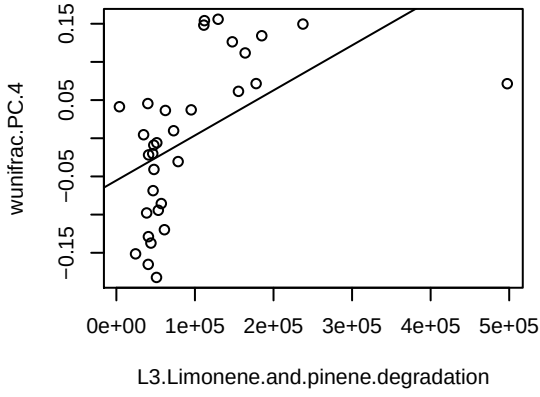
L3.Leukocyte.transendothelial.migration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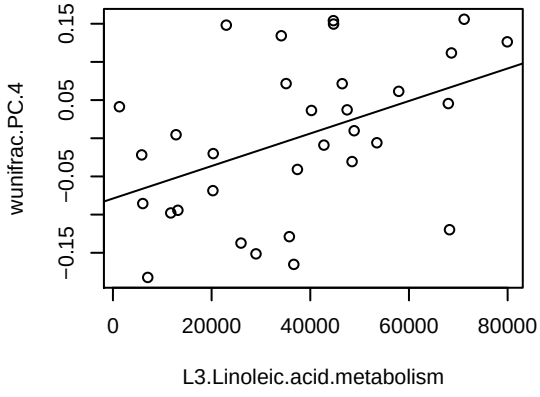
L3.Limonene.and.pinene.degradation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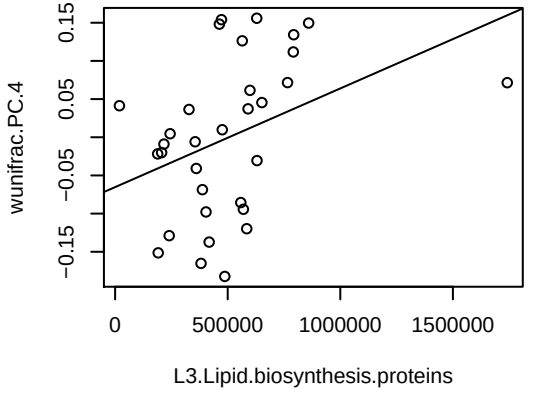
L3.Linoleic.acid.metabolism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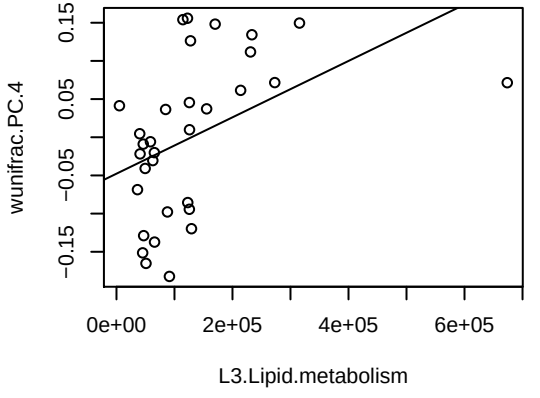
L3.Lipid.biosynthesis.proteins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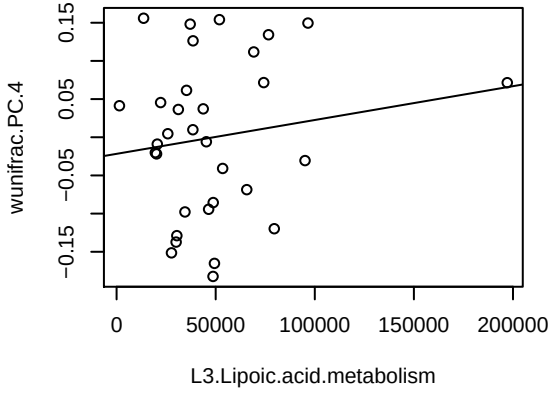
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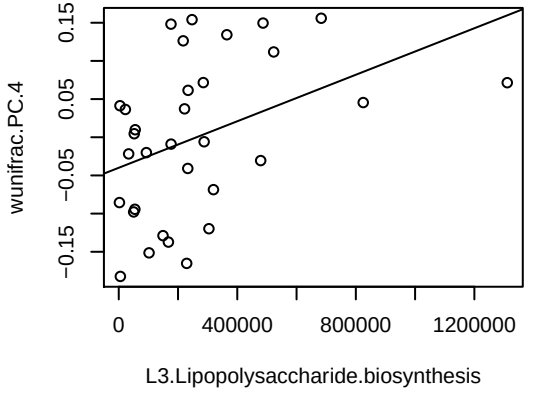
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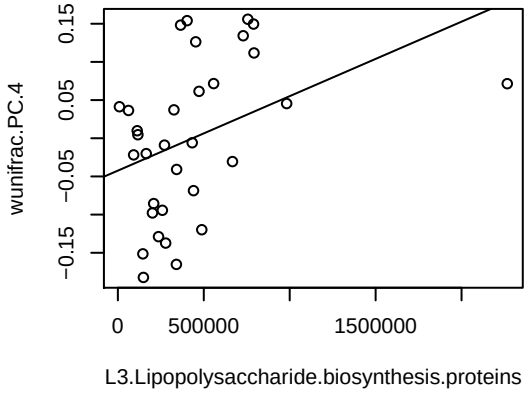
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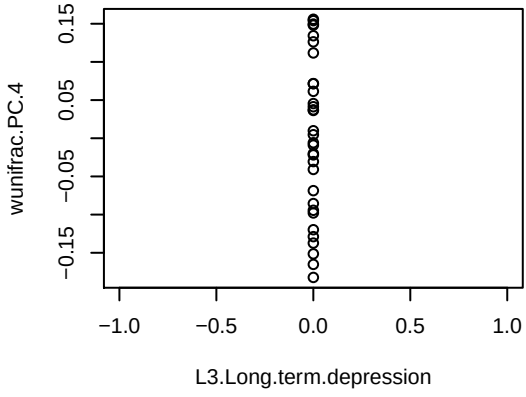
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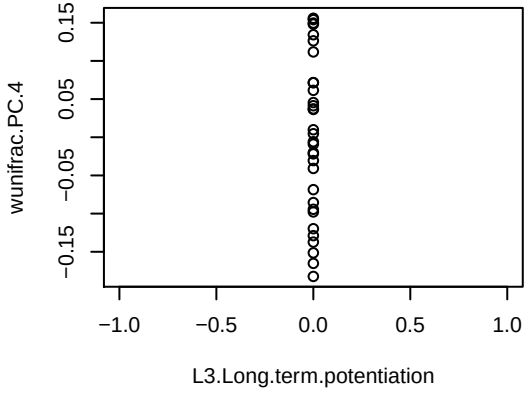
L3.Long.term.depression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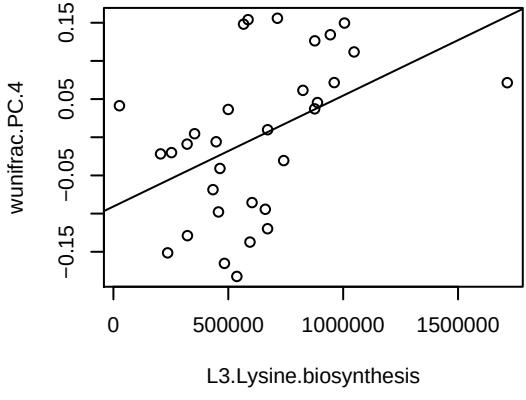
L3.Long.term.potentiation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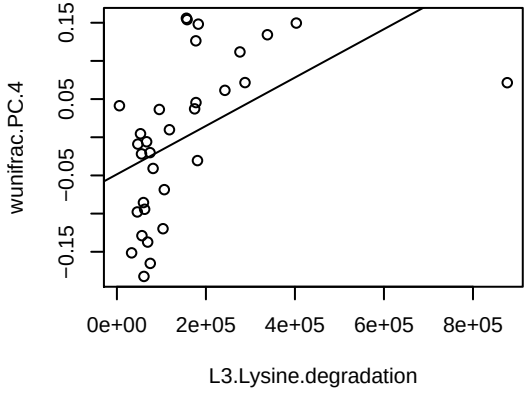
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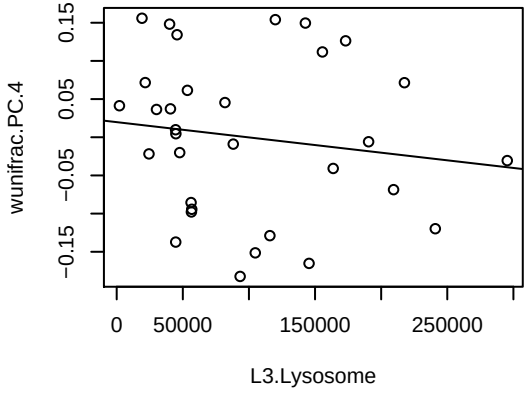
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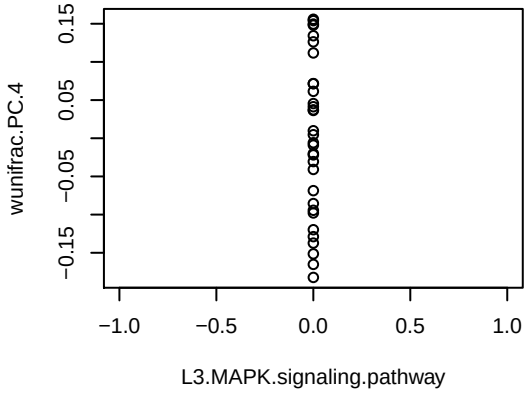
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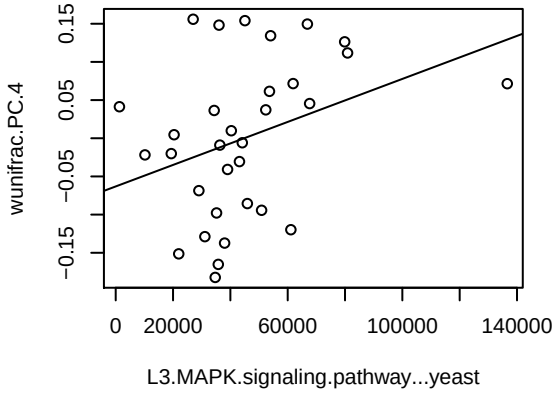
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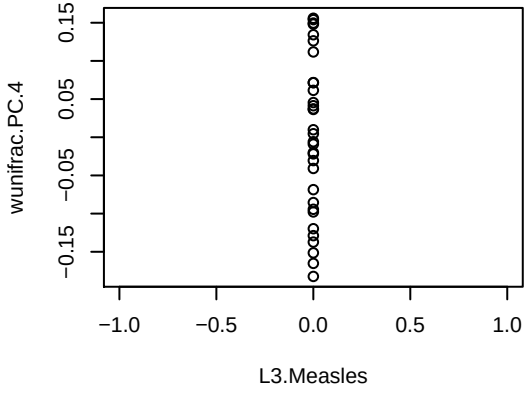
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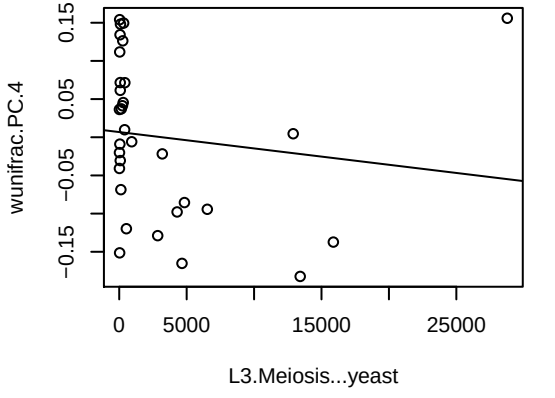
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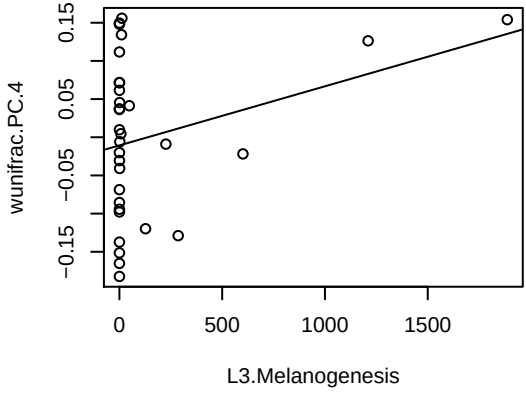
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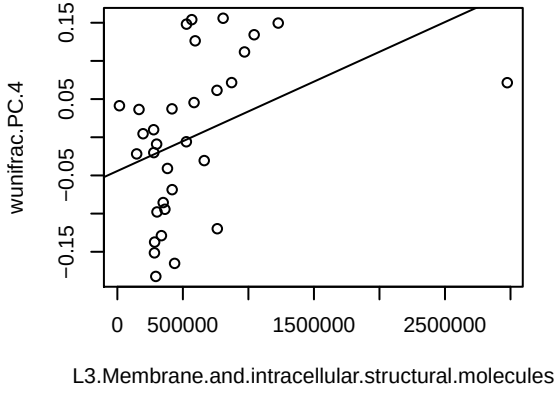
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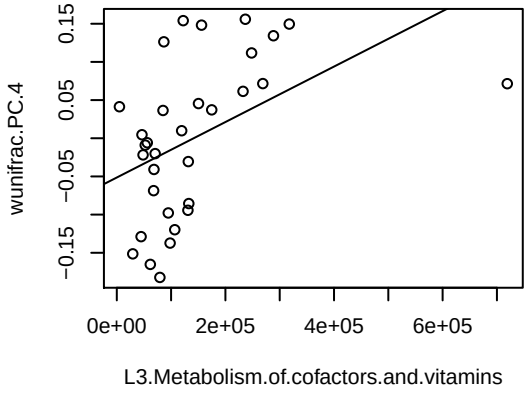
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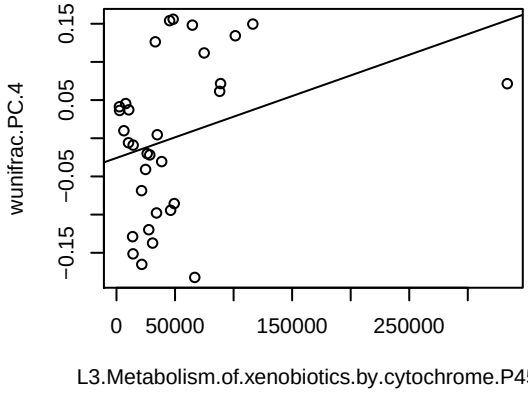
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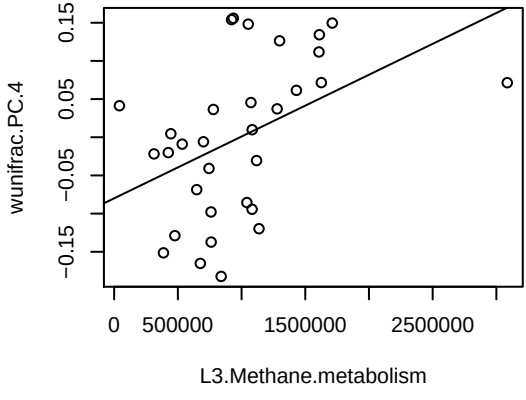
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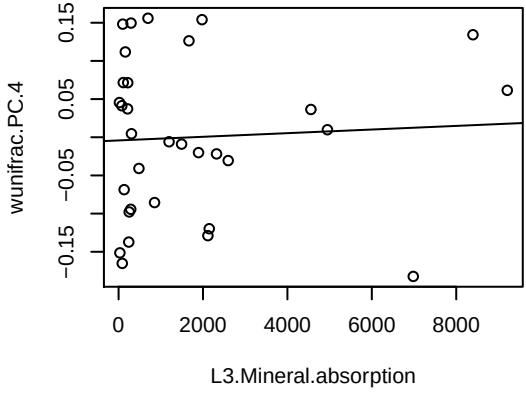
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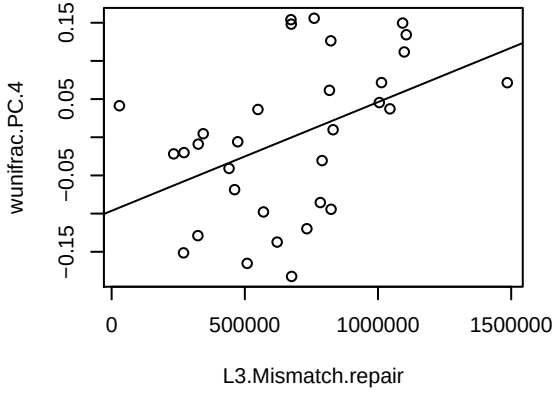
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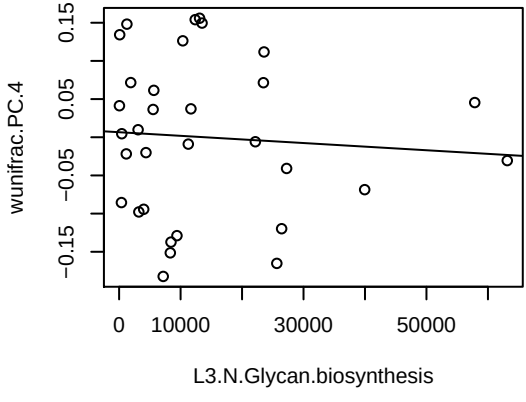
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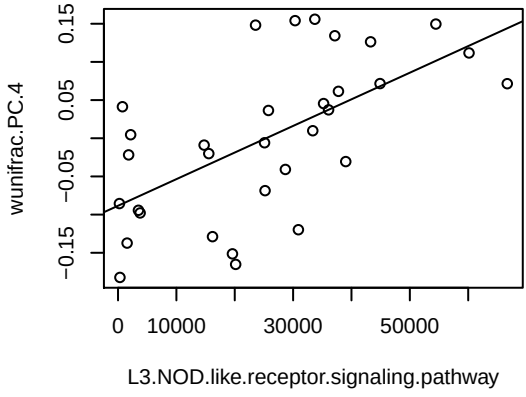
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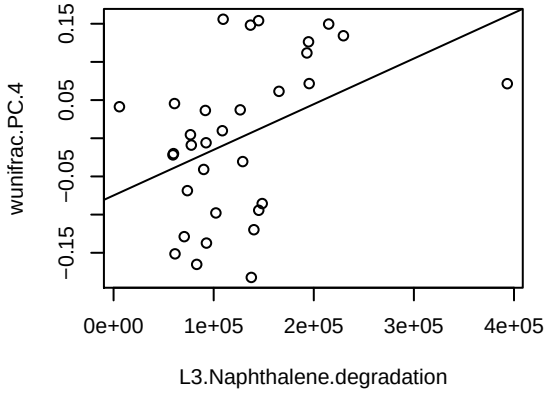
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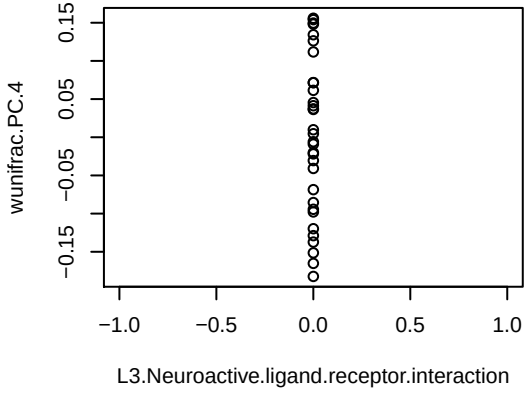
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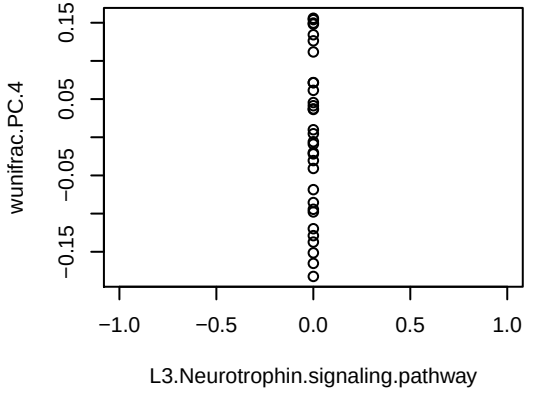
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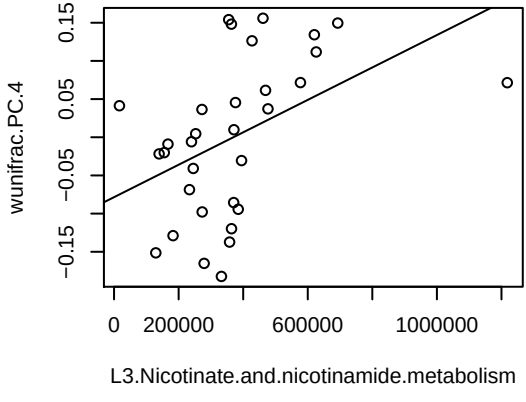
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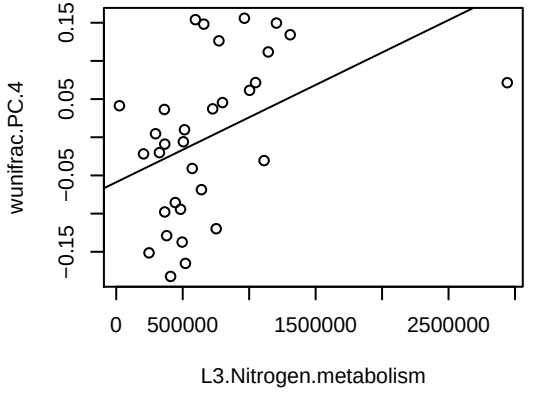
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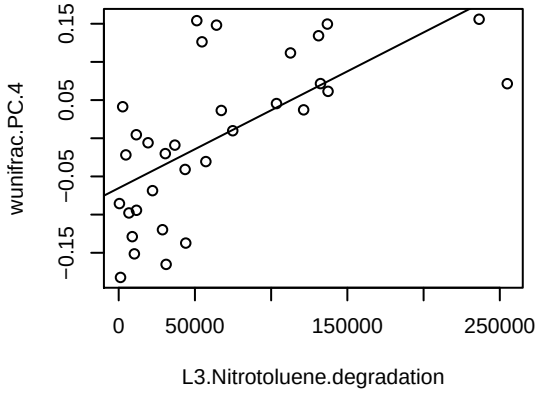
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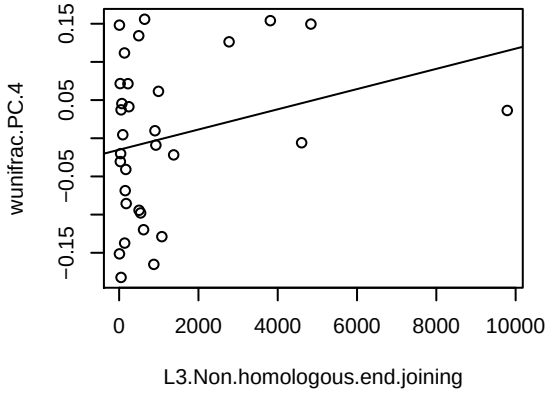
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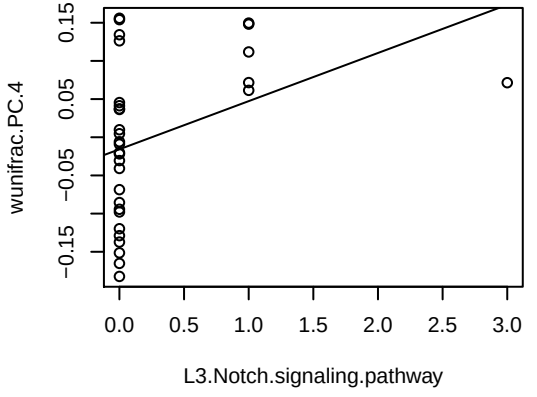
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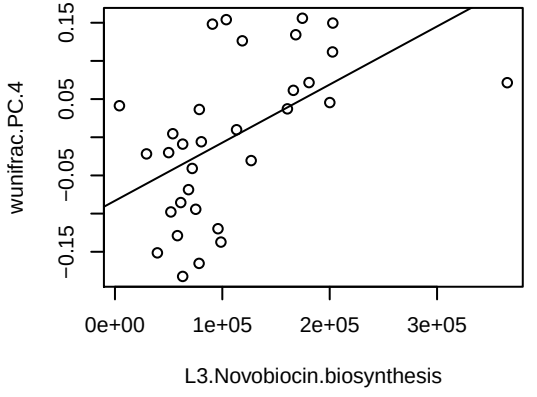
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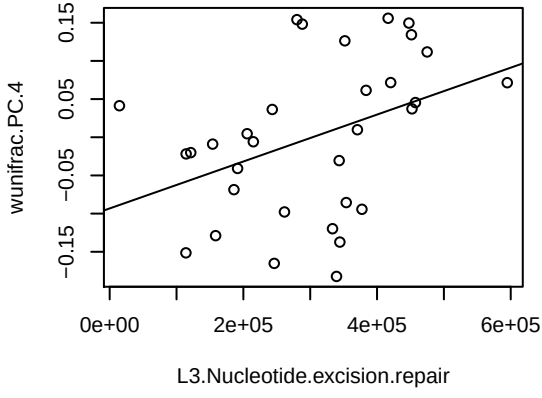
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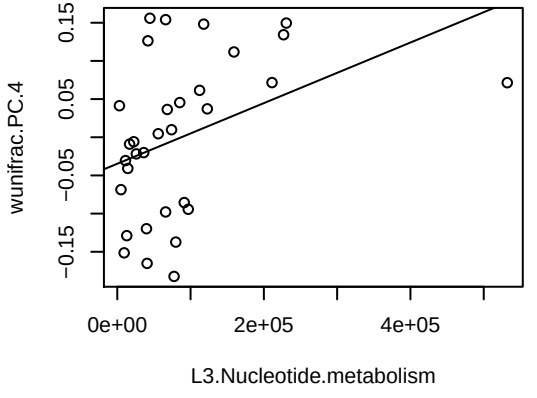
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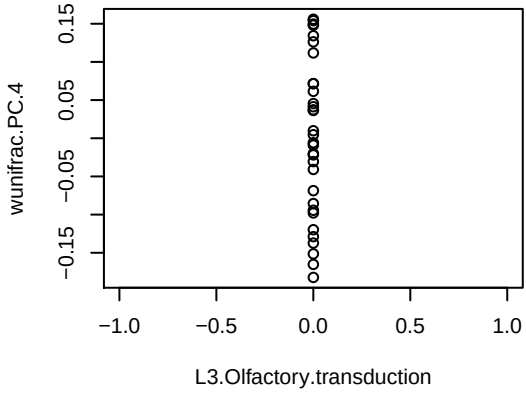
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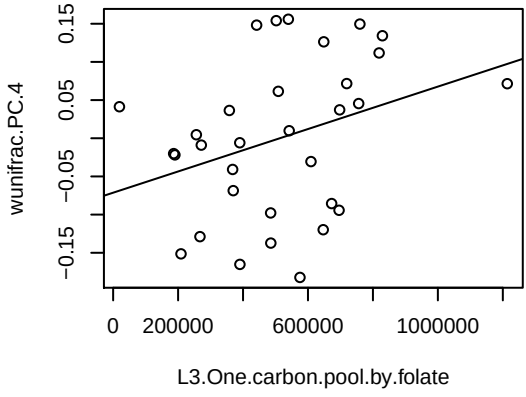
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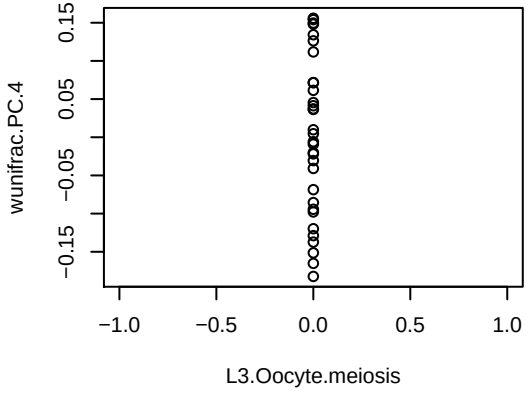
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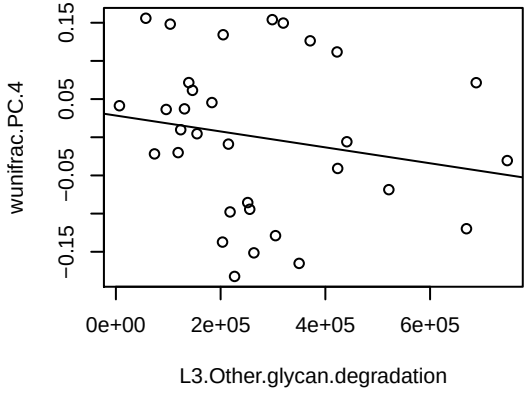
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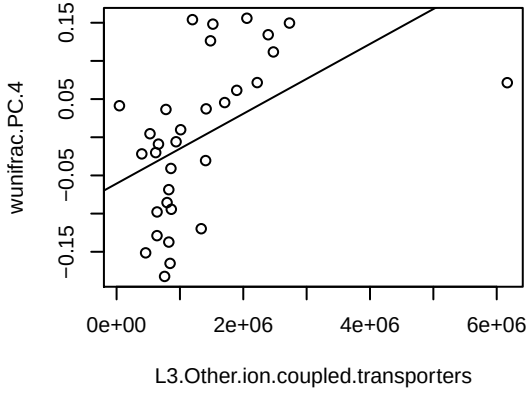
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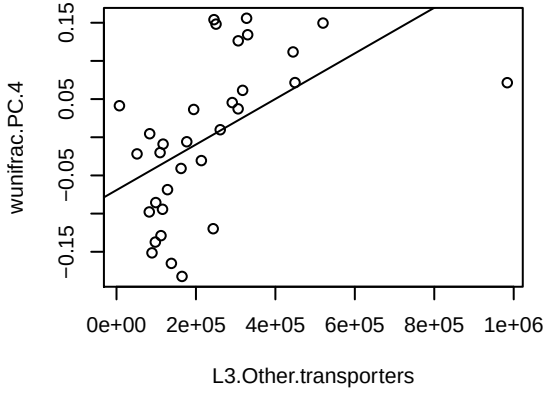
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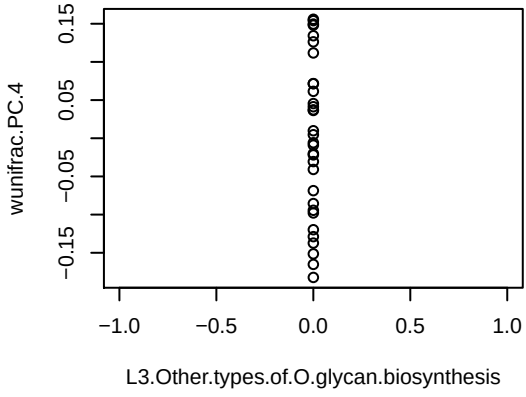
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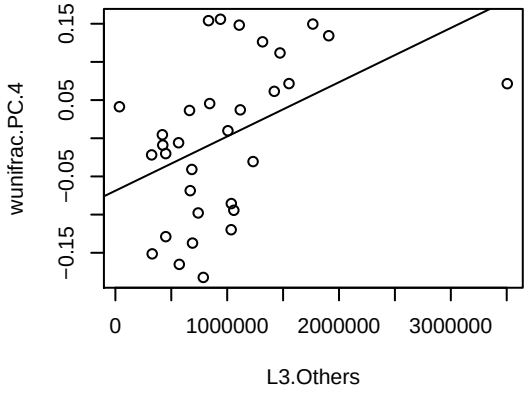
L3.Other.types.of.O.glycan.biosynthesis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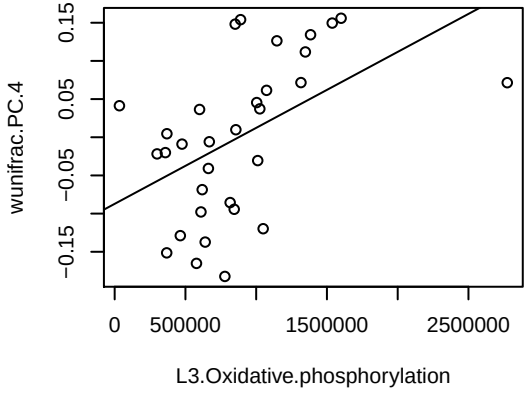
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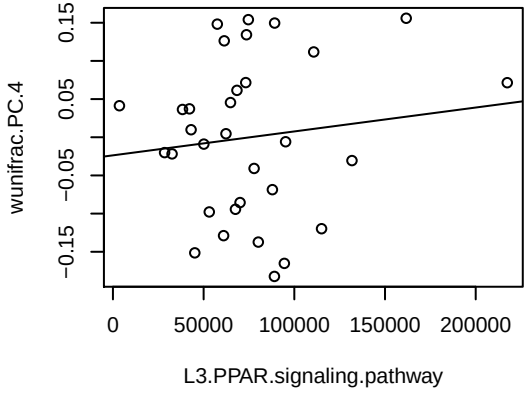
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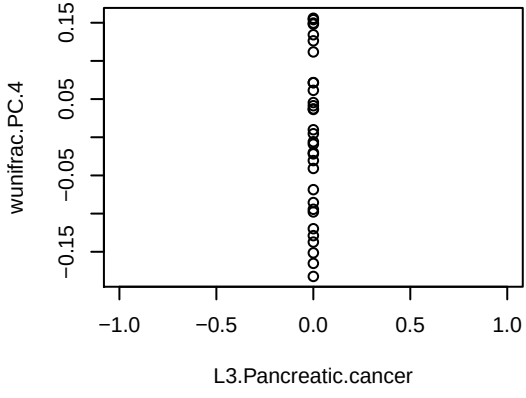
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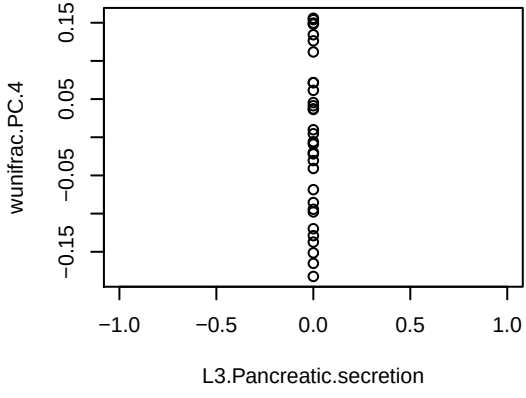
L3.Pancreatic.cancer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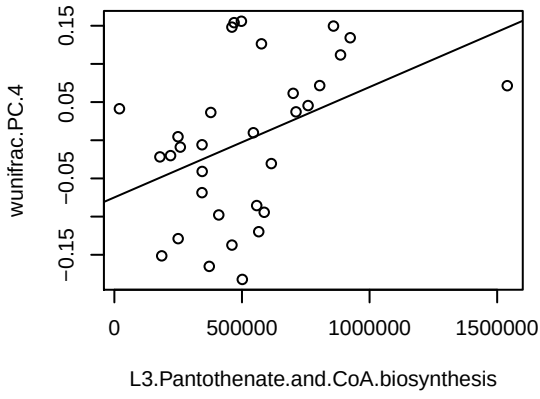
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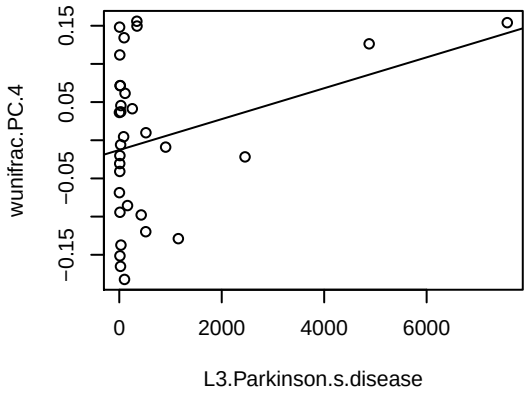
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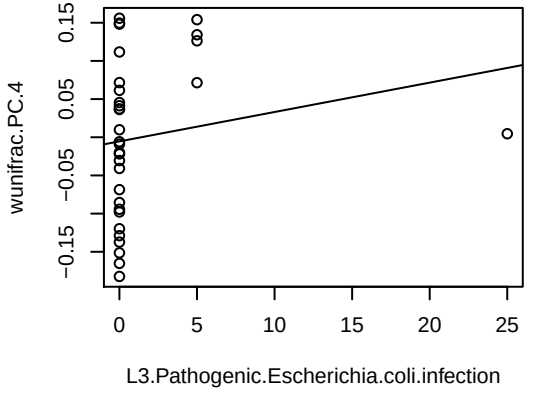
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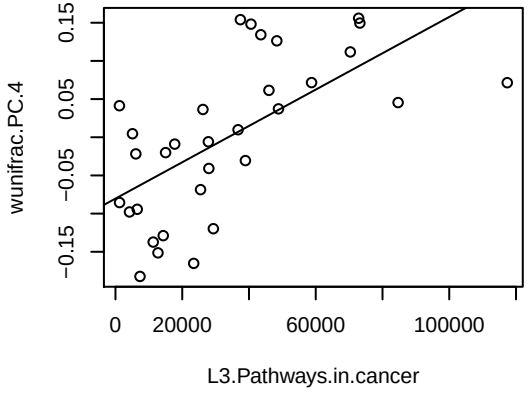
L3.Pathogenic.Escherichia.coli.infection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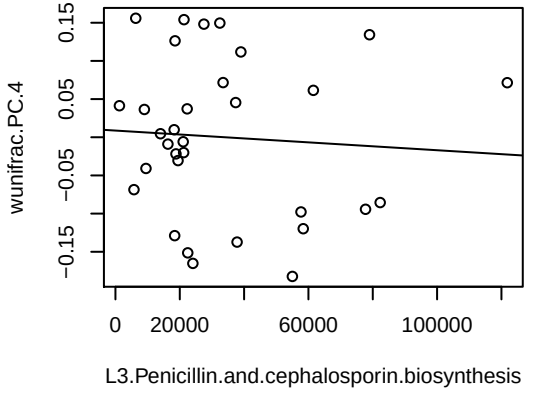
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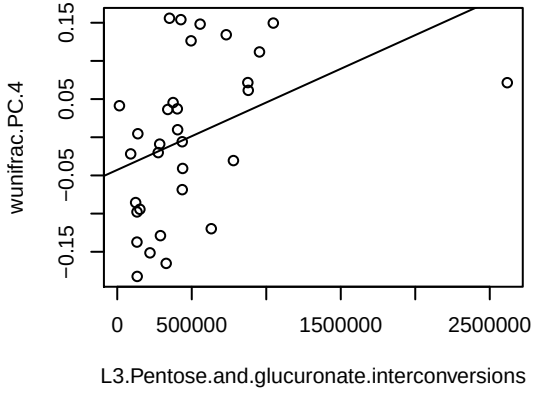
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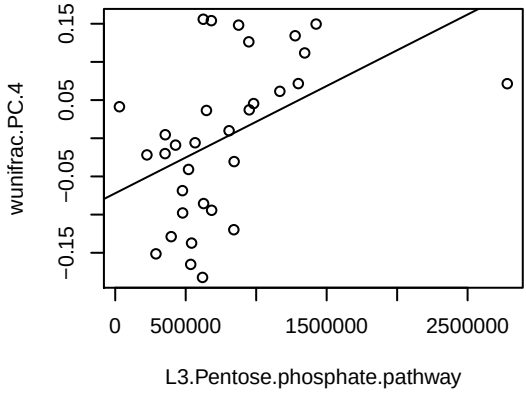
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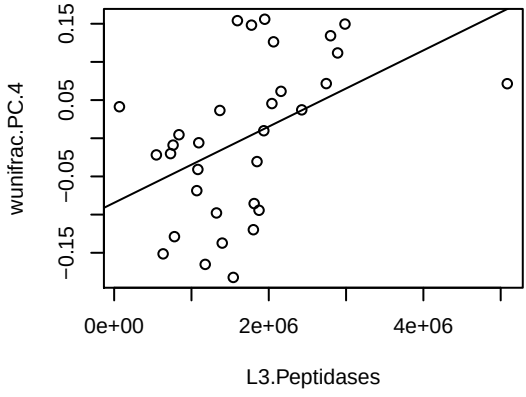
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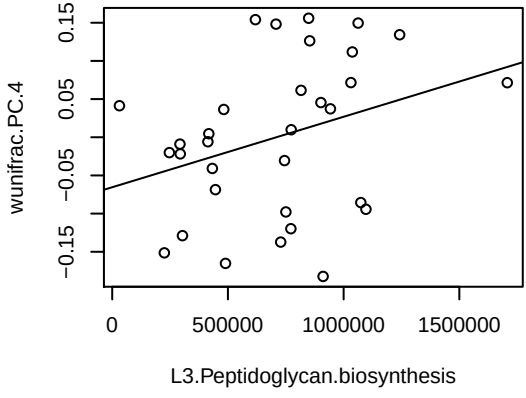
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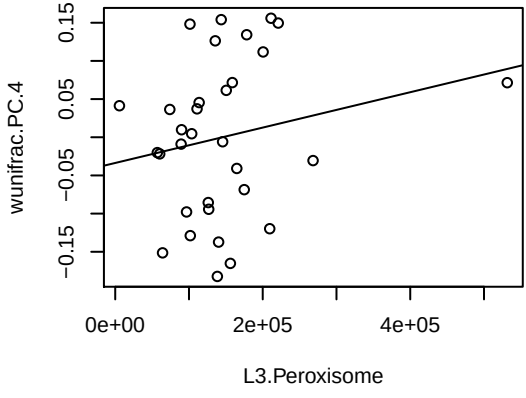
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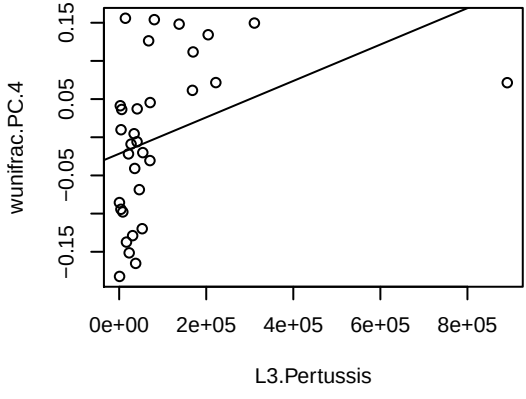
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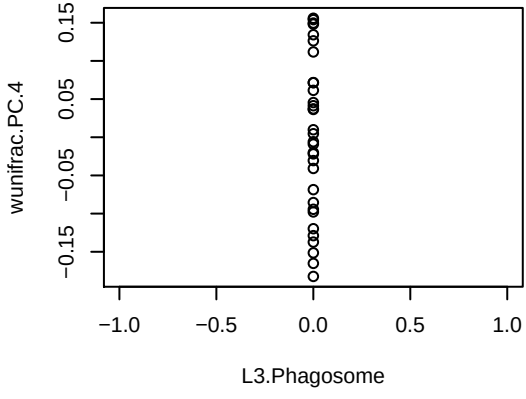
L3.Pertussis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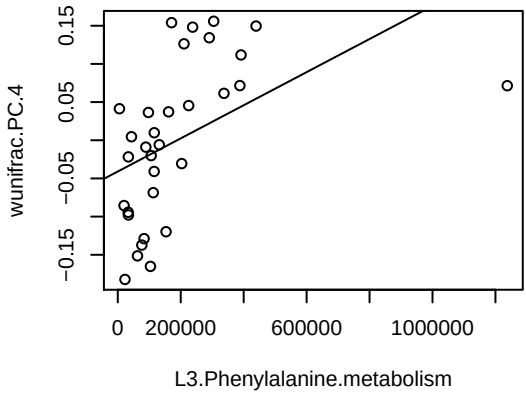
L3.Phagosome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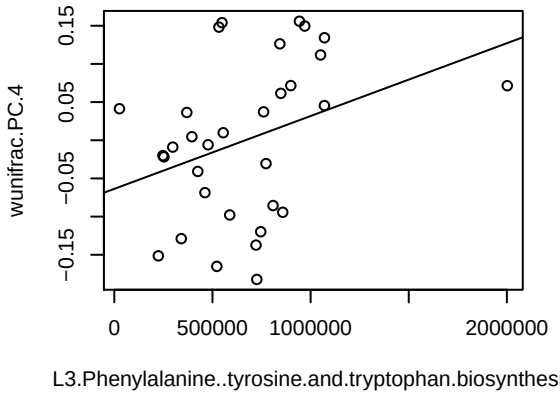
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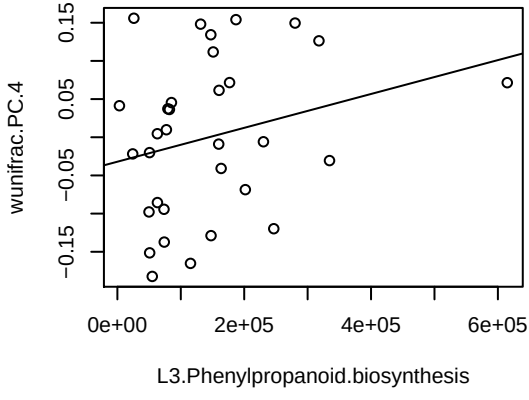
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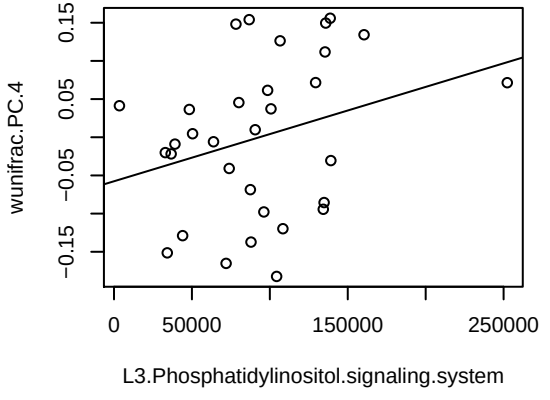
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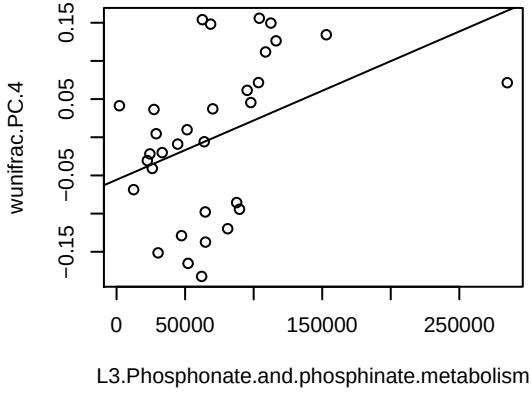
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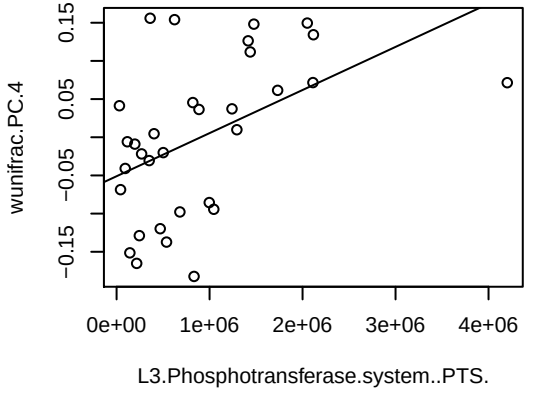
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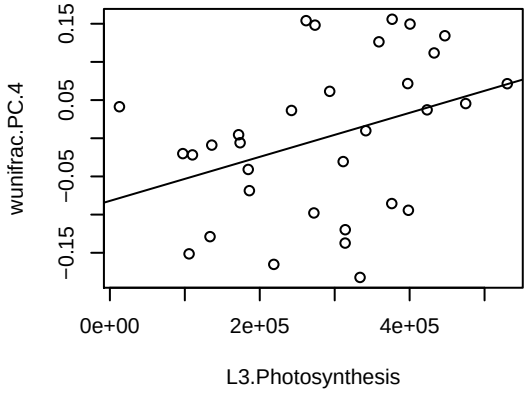
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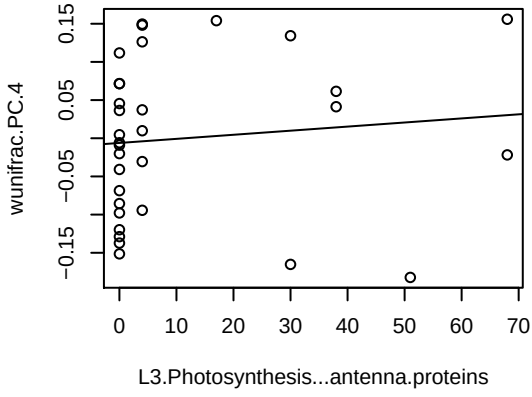
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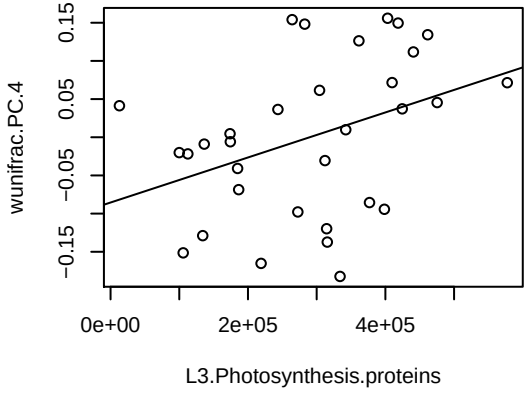
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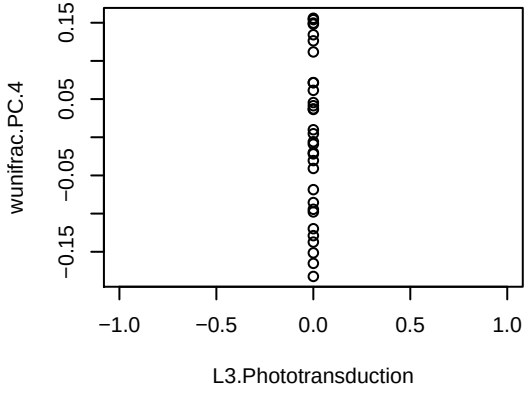
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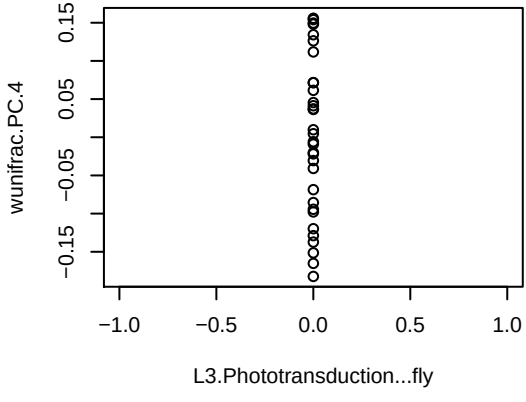
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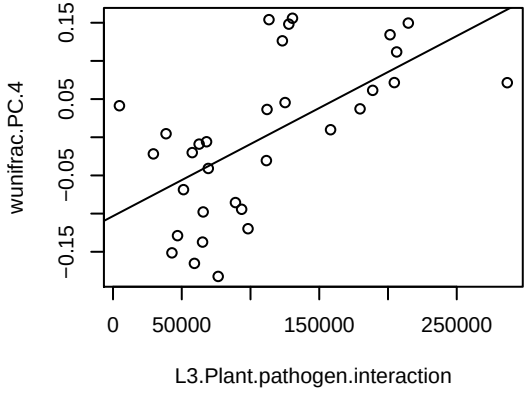
L3.Phototransduction...fly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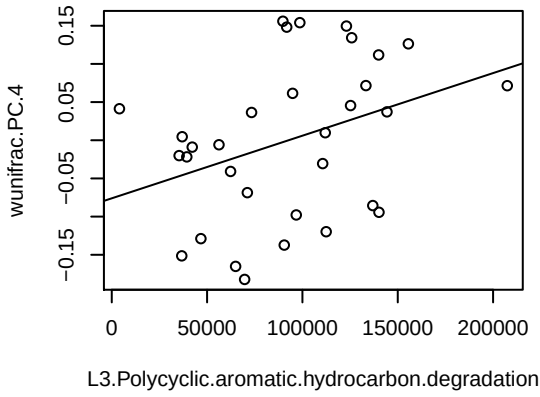
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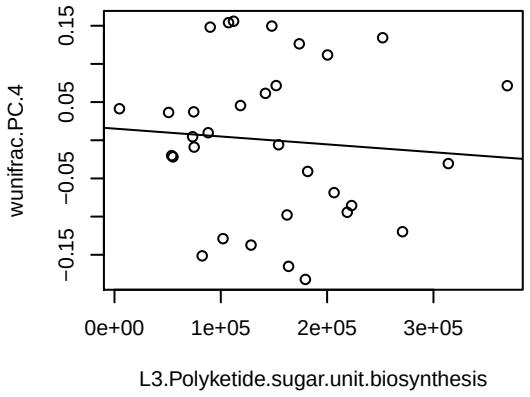
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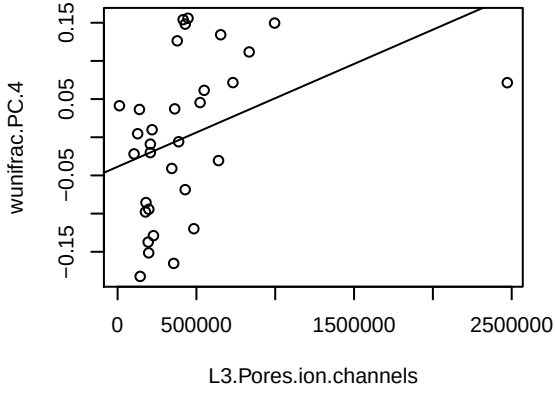
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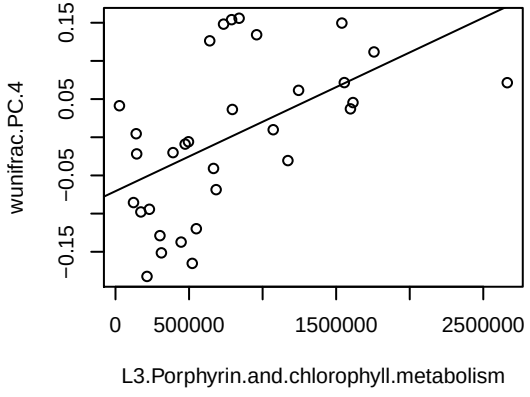
L3.Pores.ion.channels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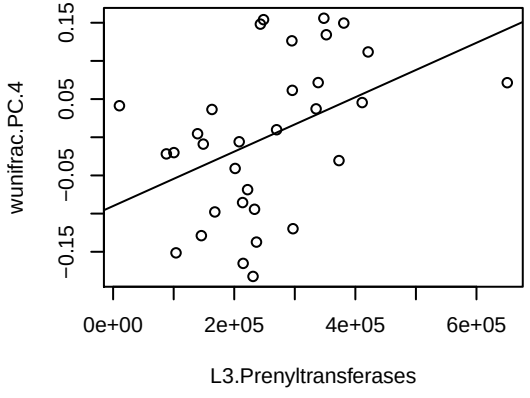
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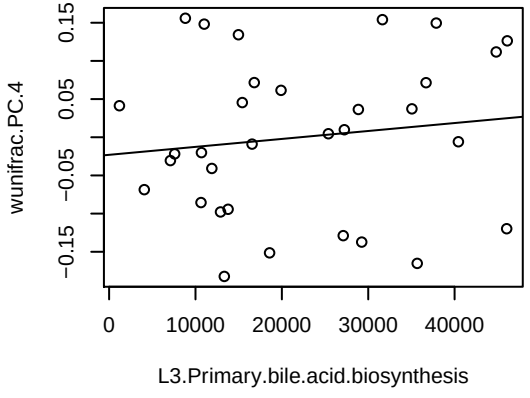
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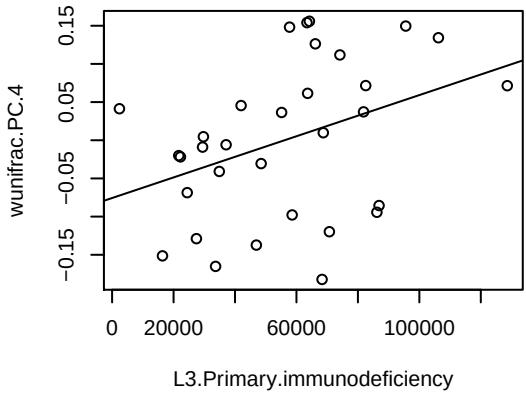
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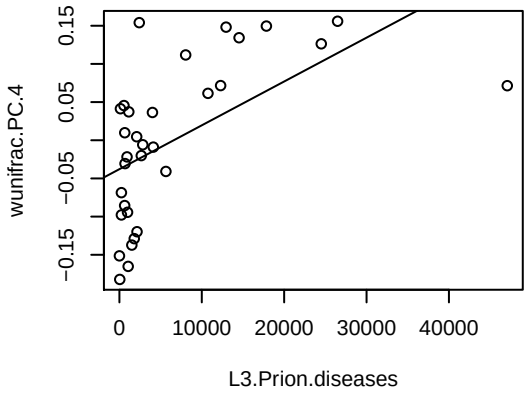
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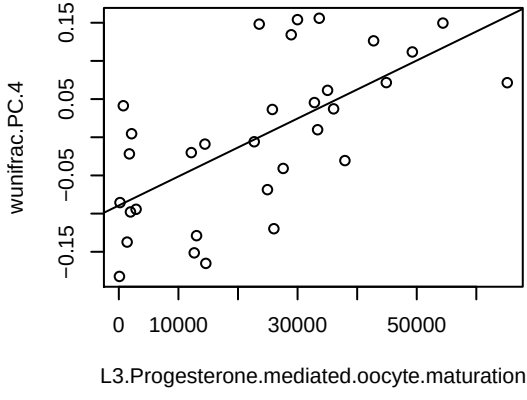
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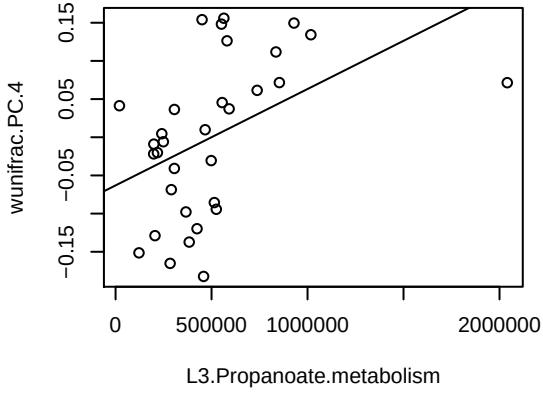
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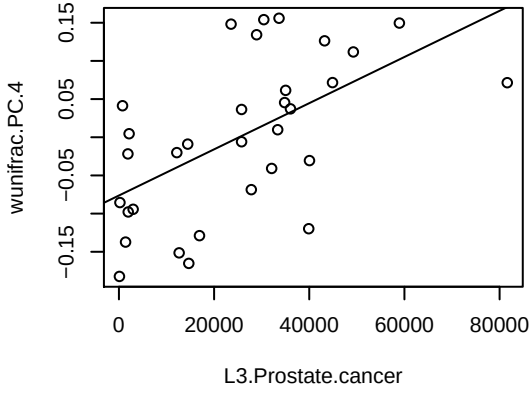
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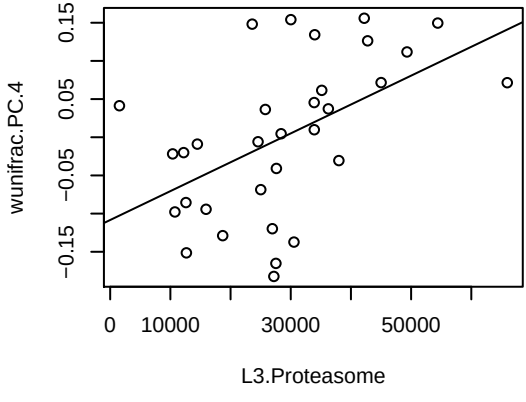
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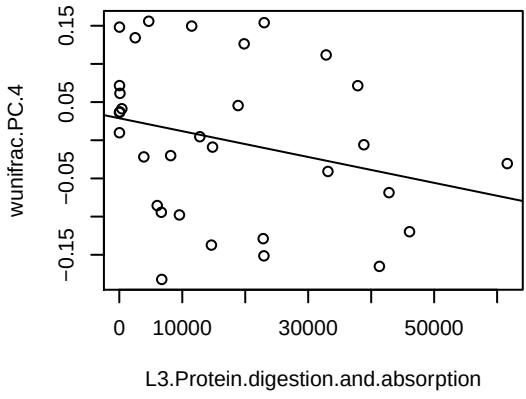
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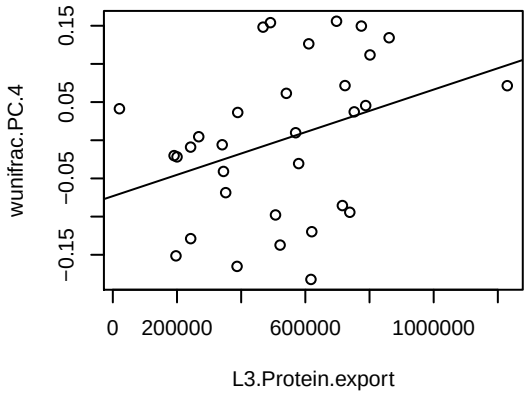
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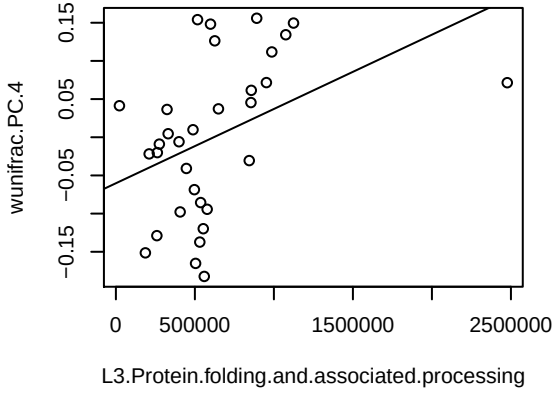
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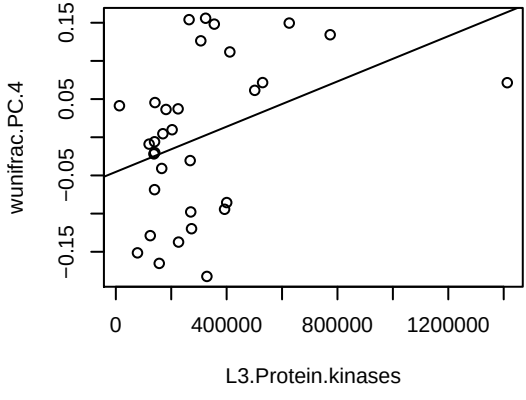
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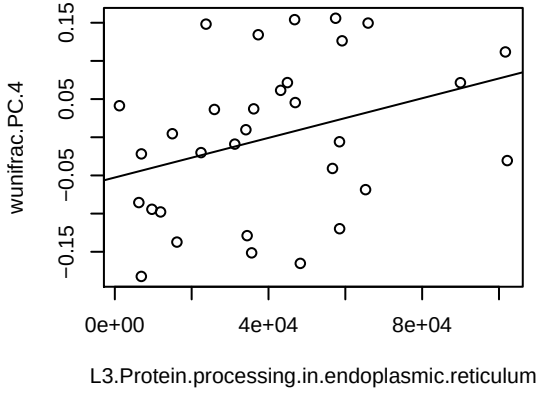
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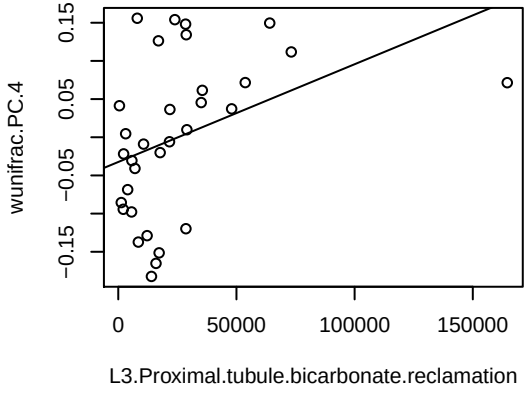
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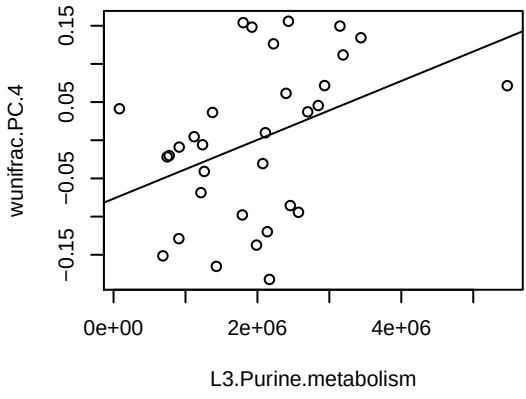
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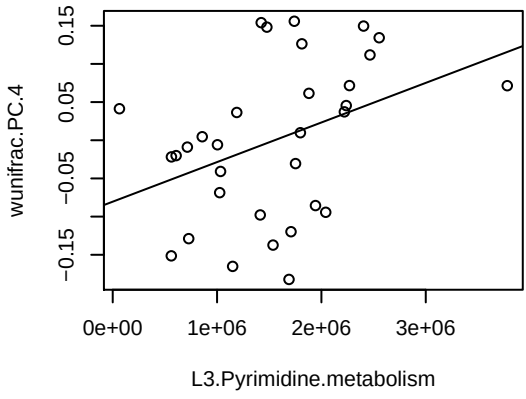
L3.Purine.metabolism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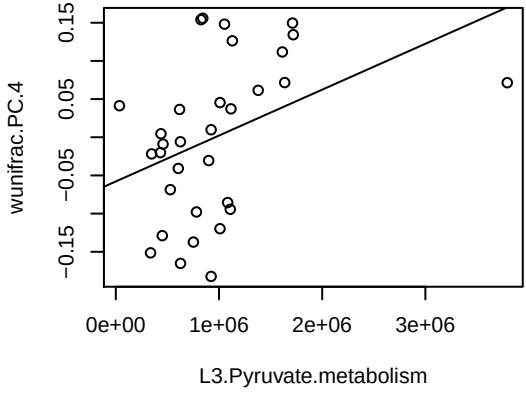
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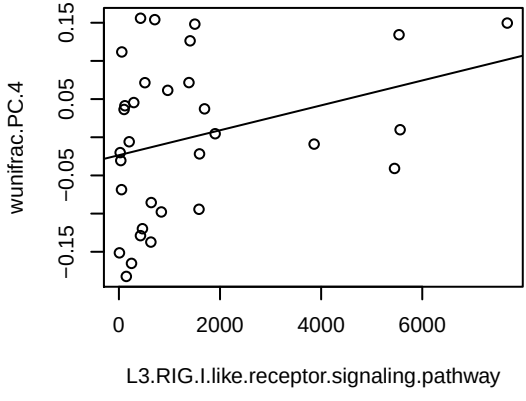
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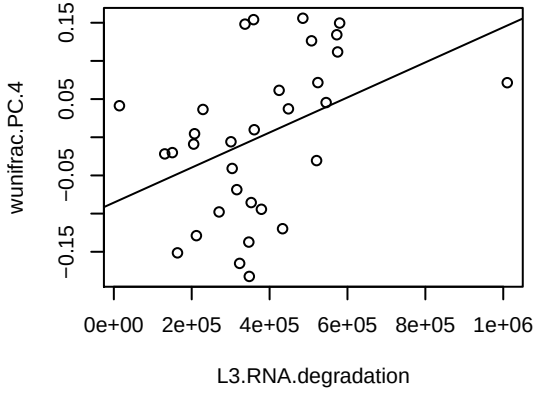
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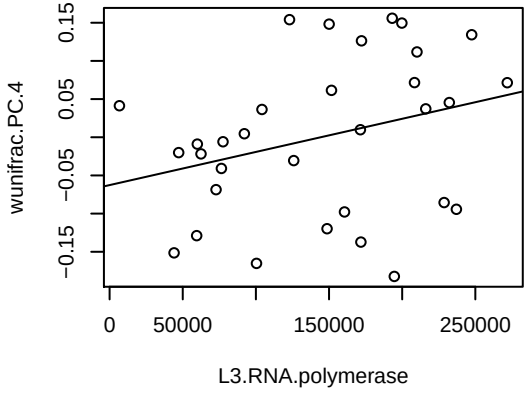
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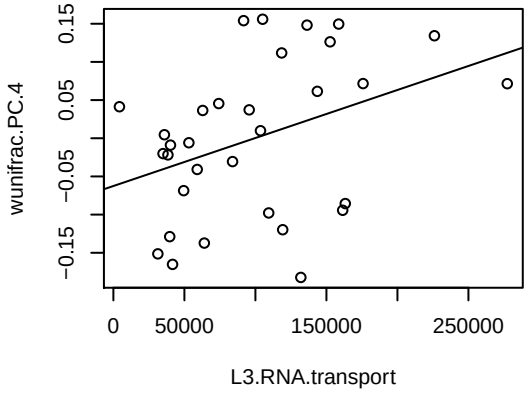
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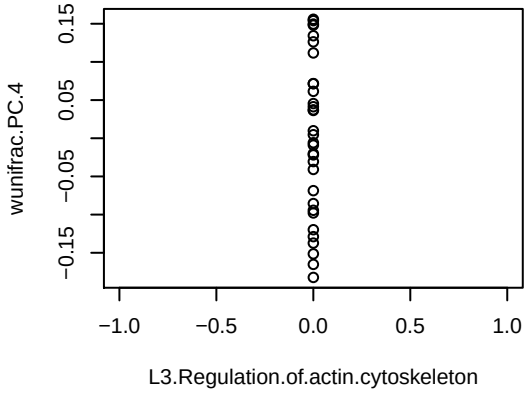
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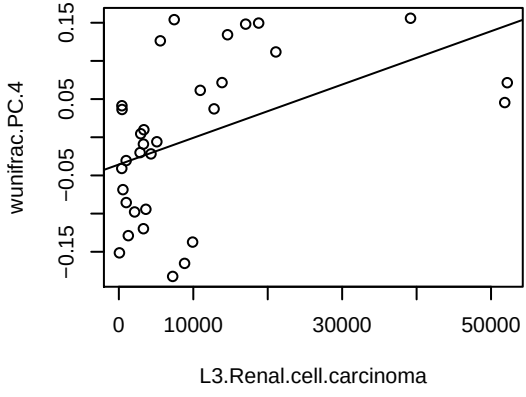
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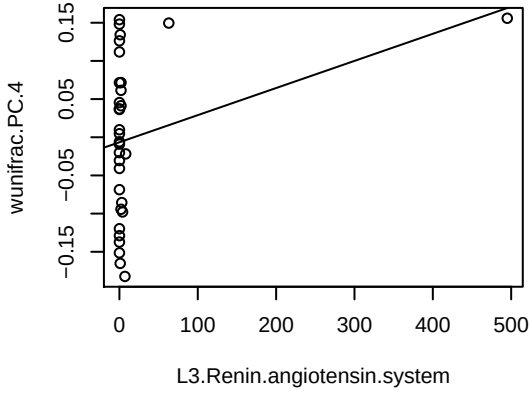
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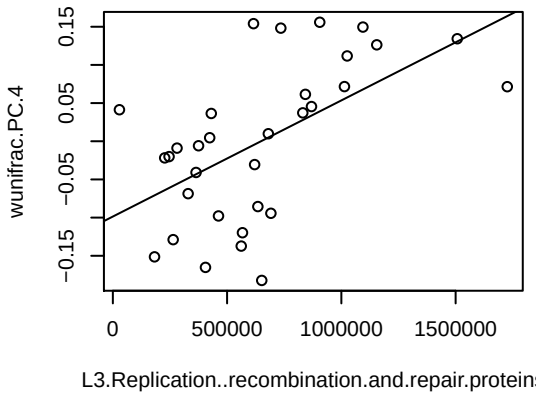
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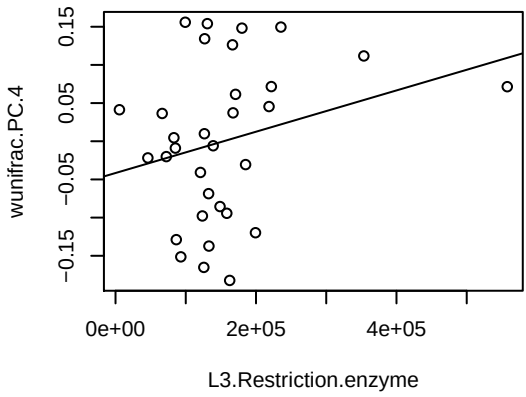
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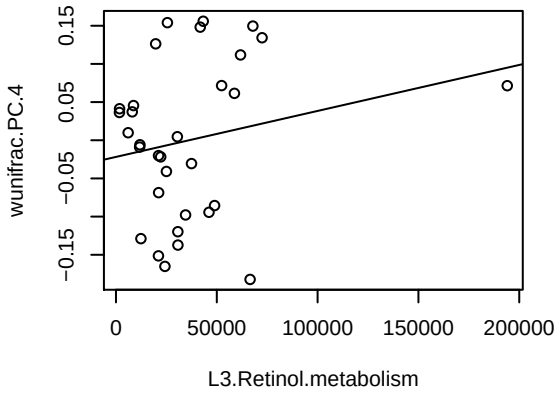
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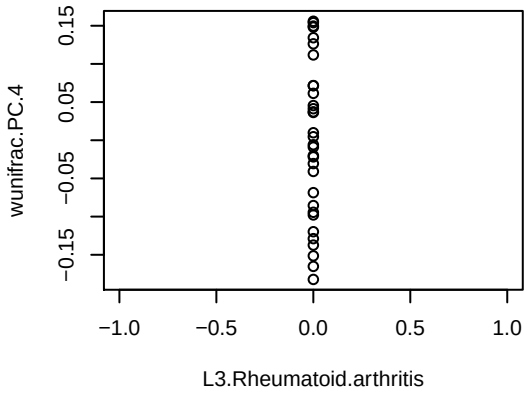
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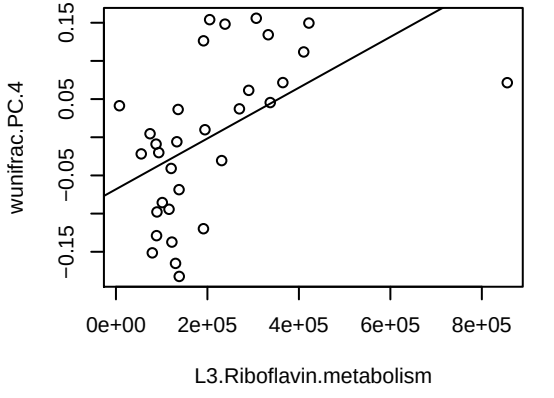
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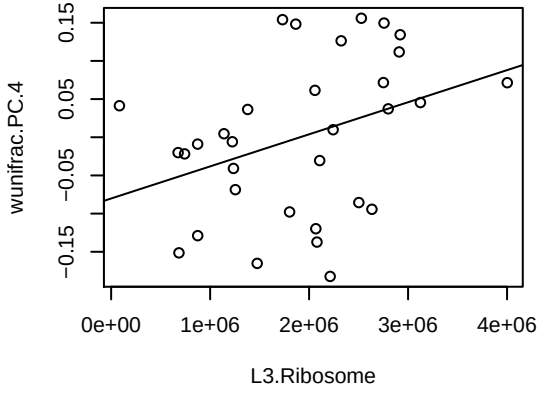
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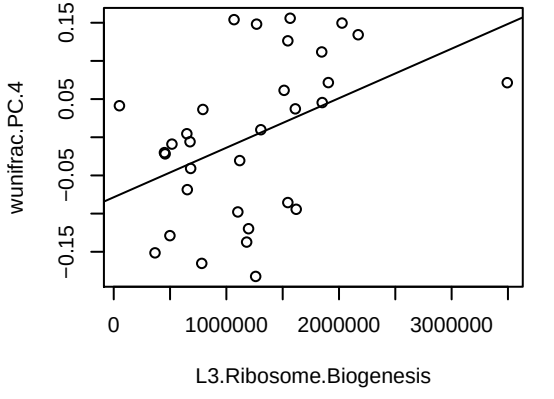
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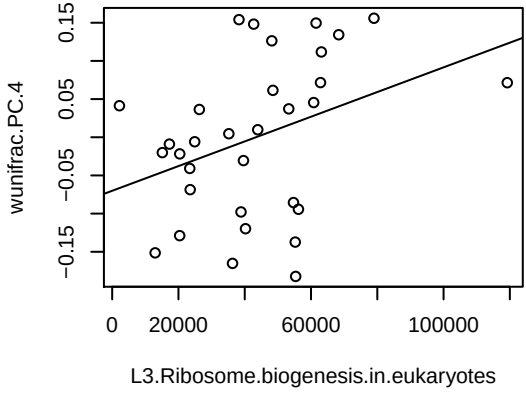
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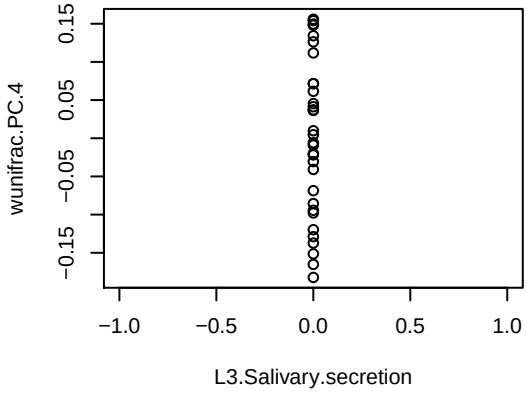
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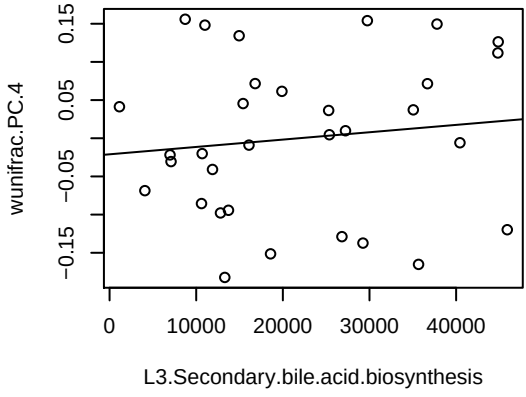
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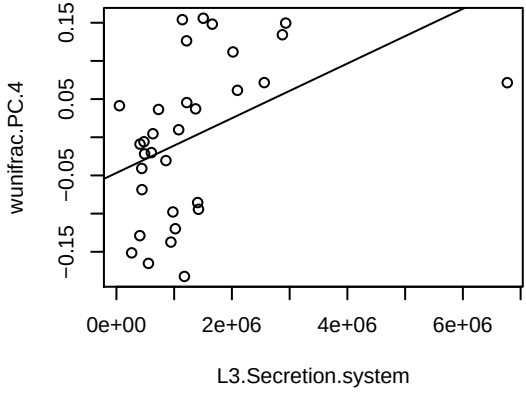
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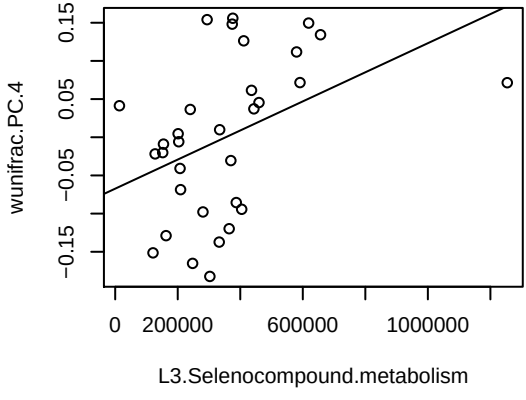
L3.Secretion.system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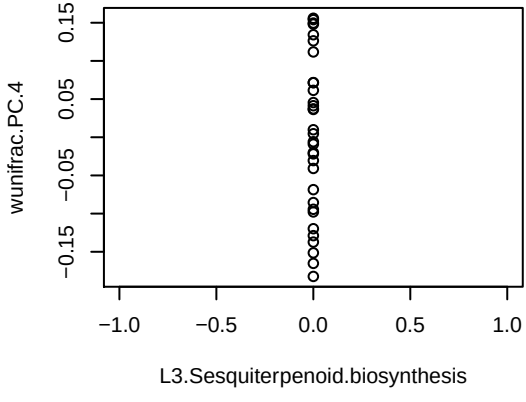
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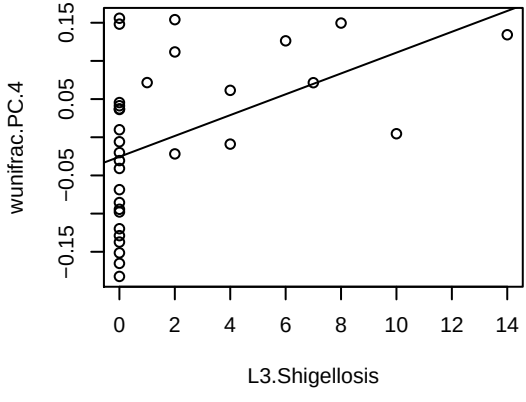
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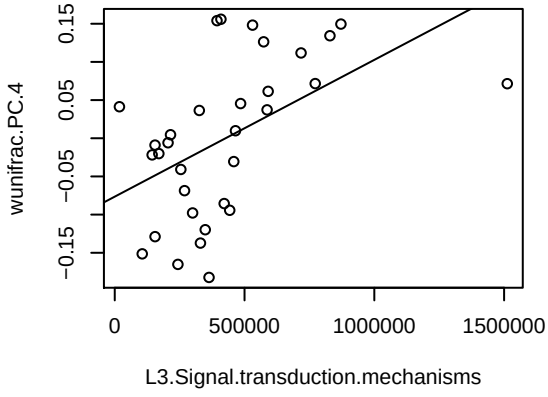
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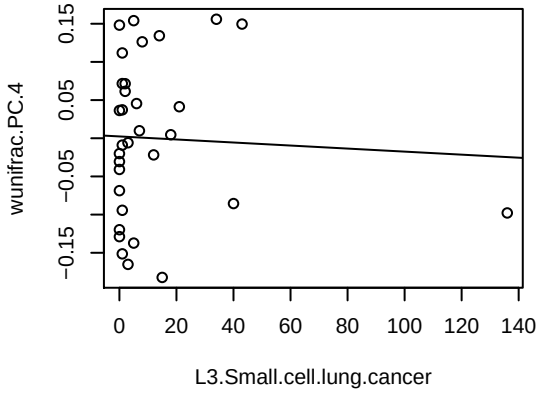
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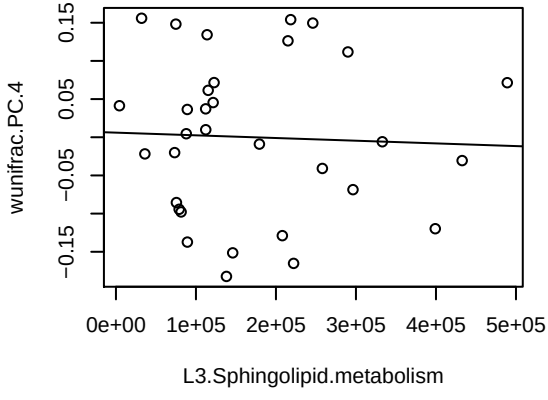
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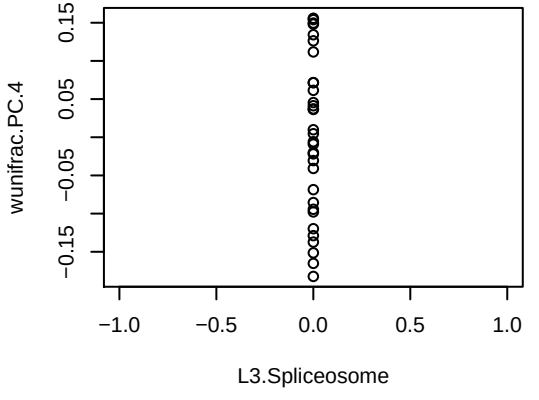
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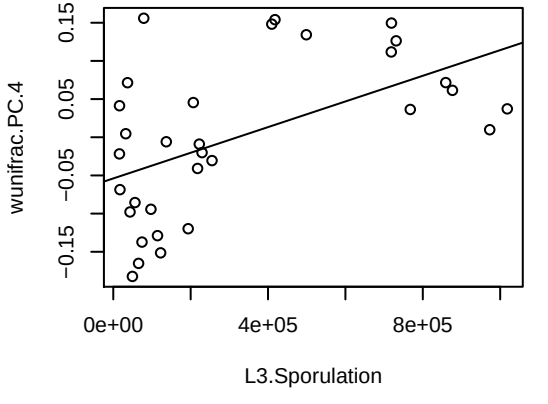
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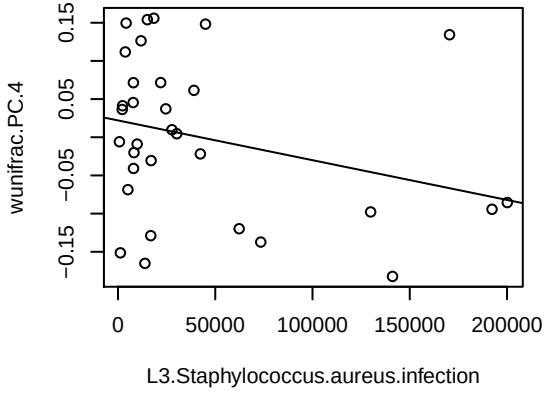
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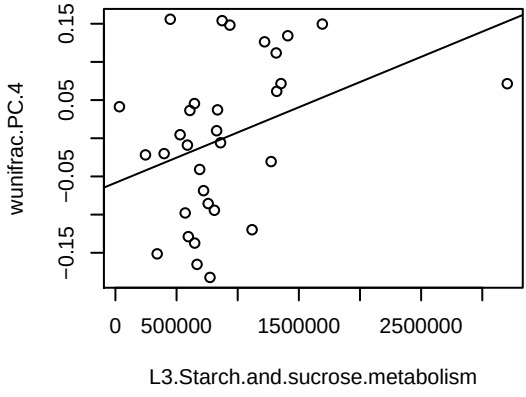
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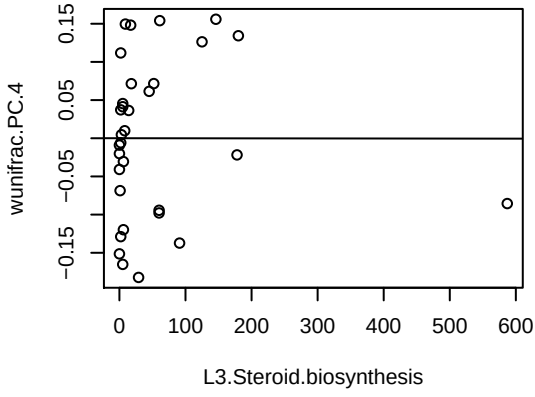
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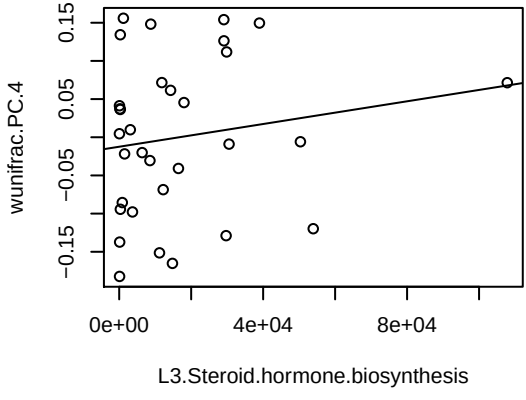
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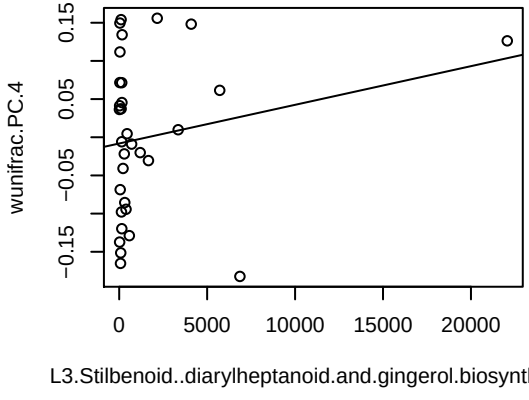
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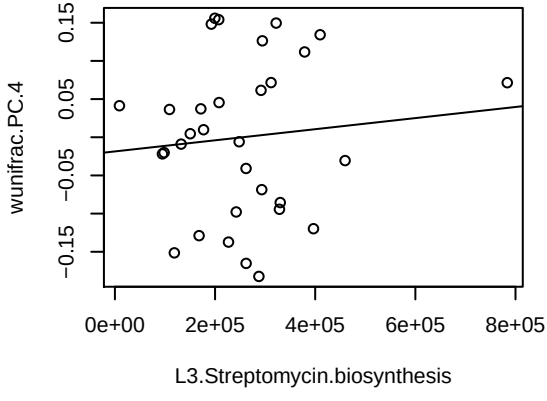
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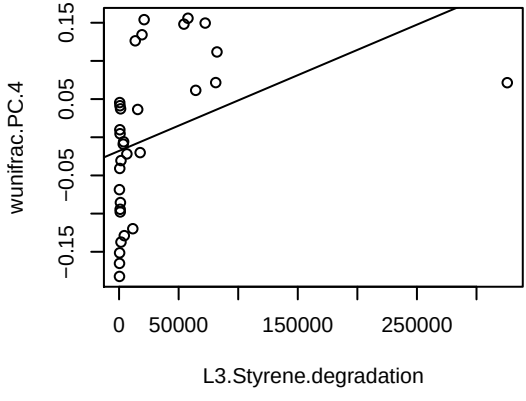
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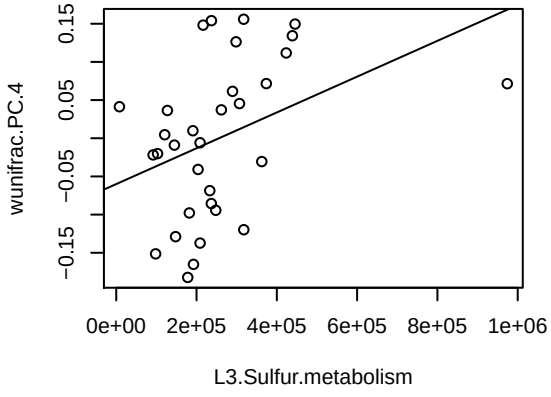
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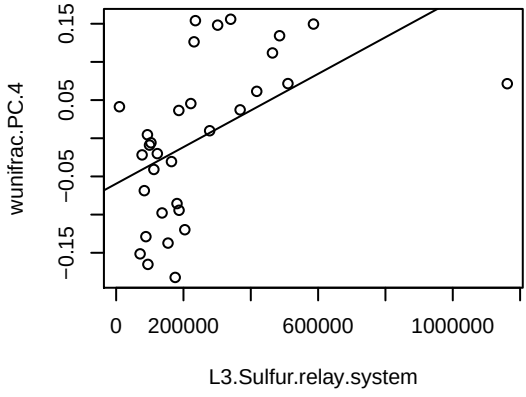
L3.Sulfur.metabolism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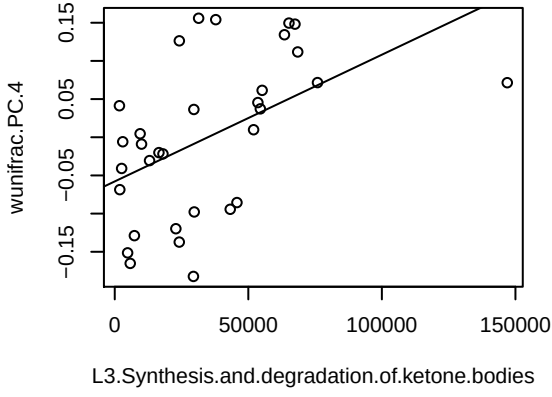
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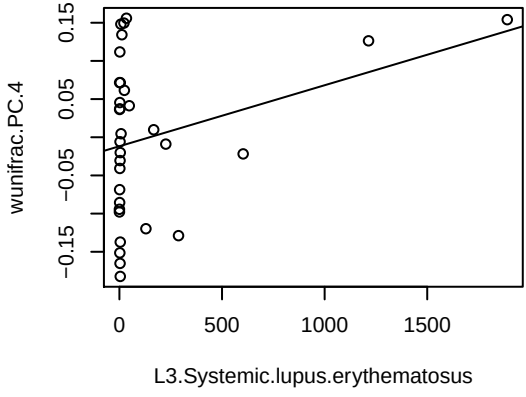
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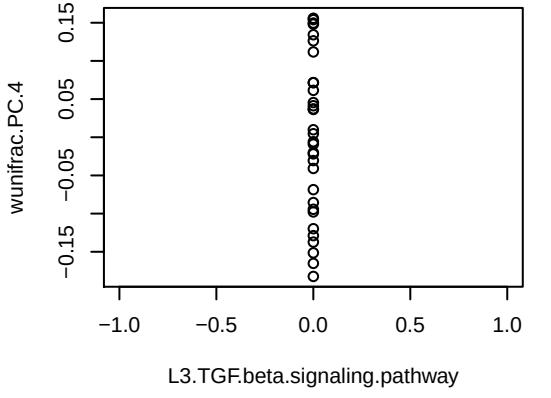
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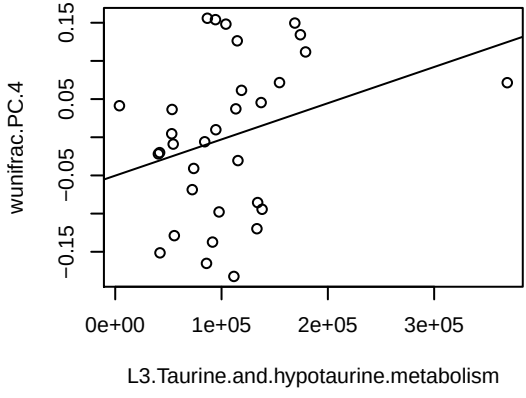
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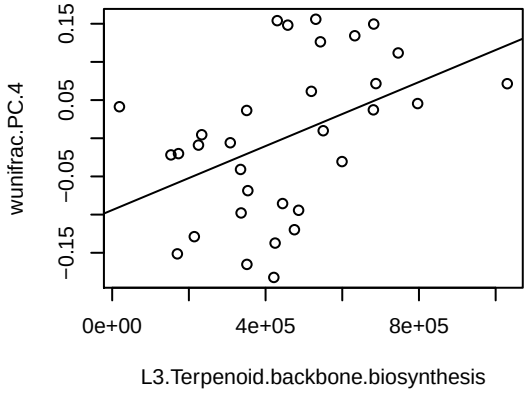
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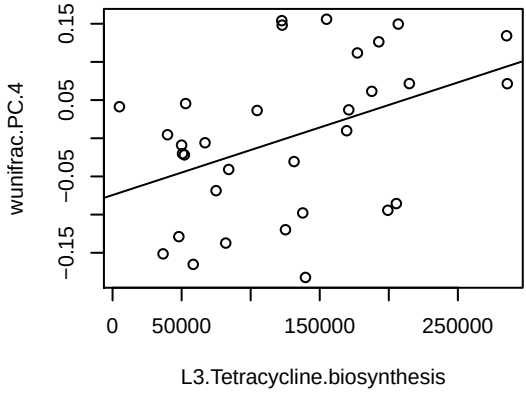
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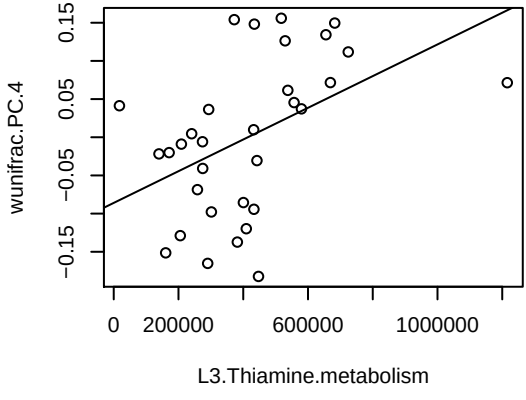
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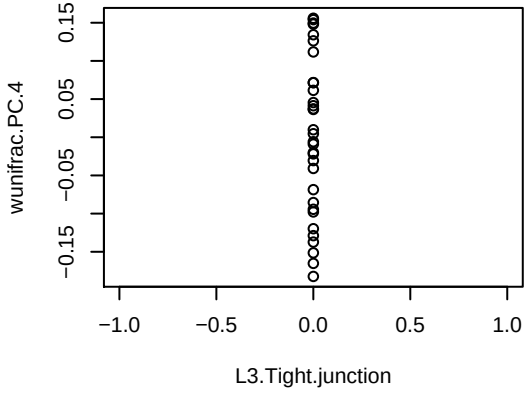
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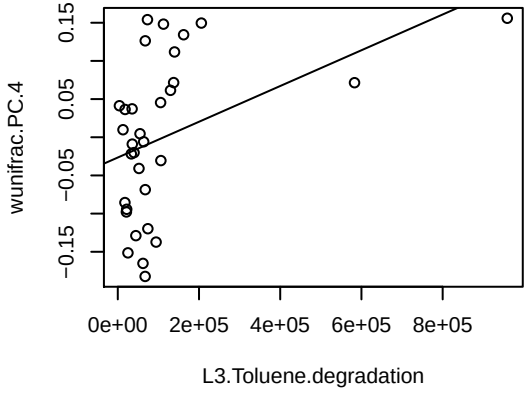
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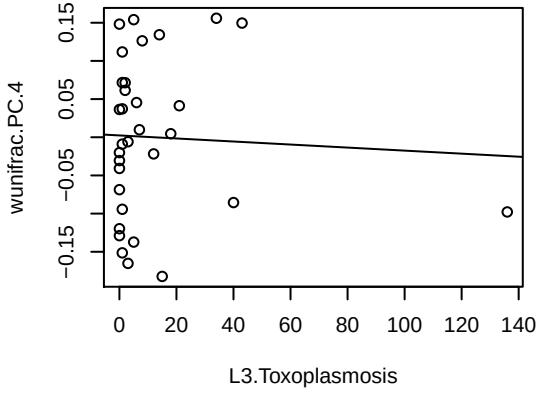
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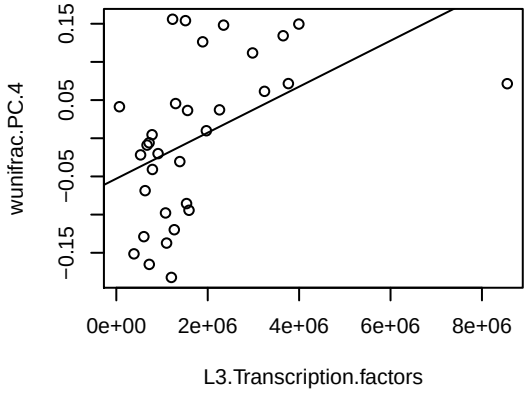
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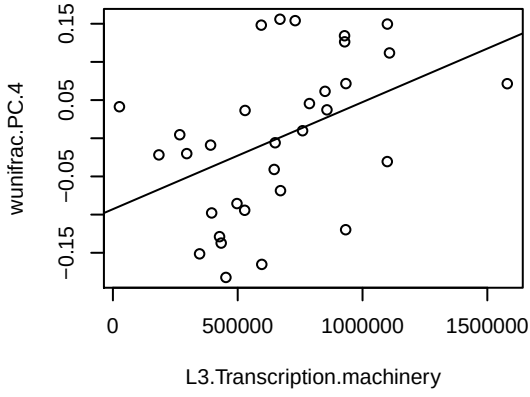
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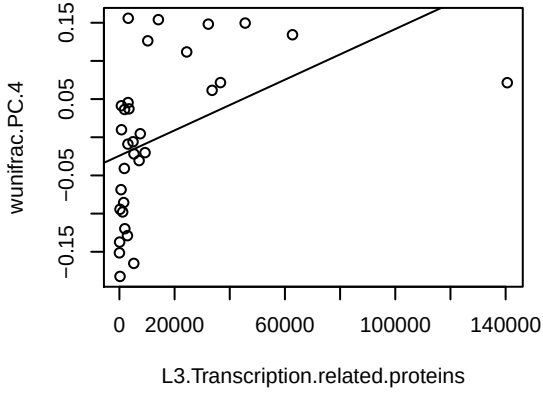
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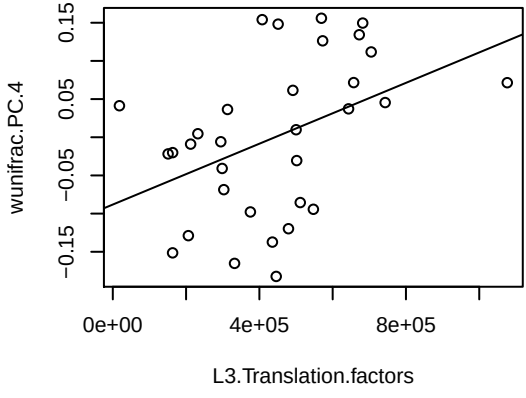
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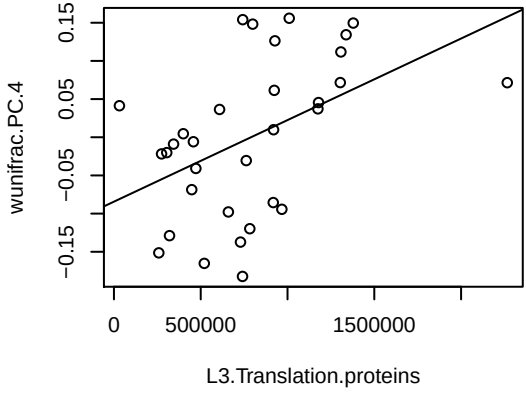
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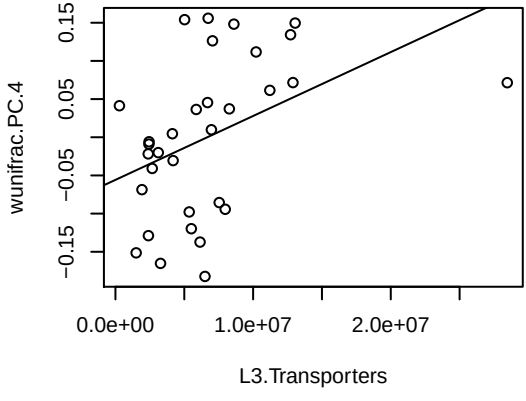
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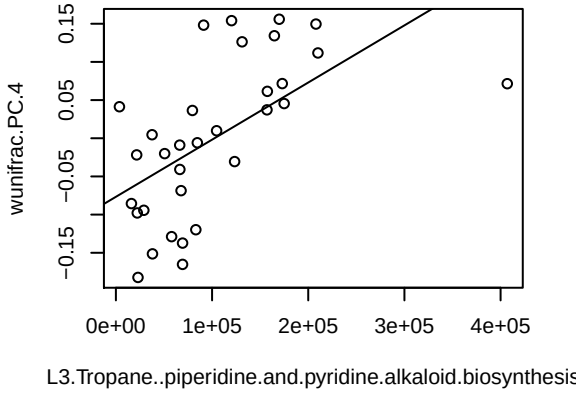
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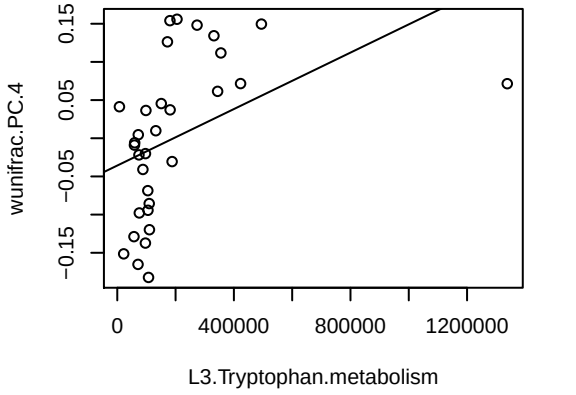
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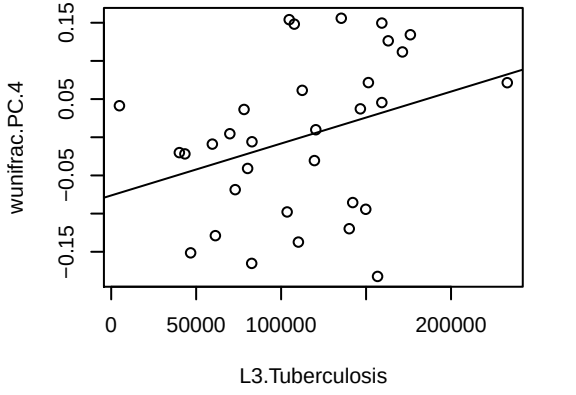
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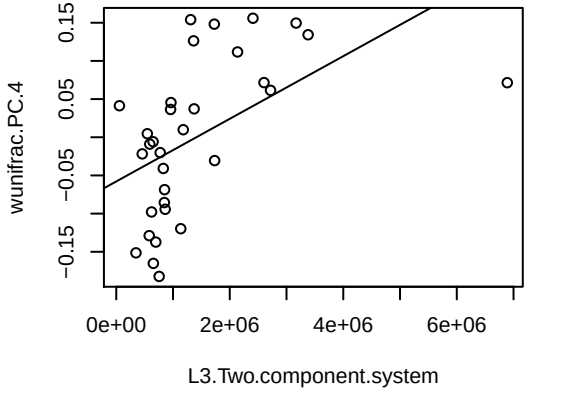
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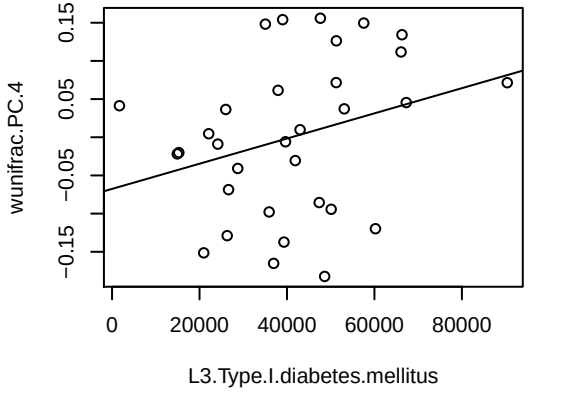
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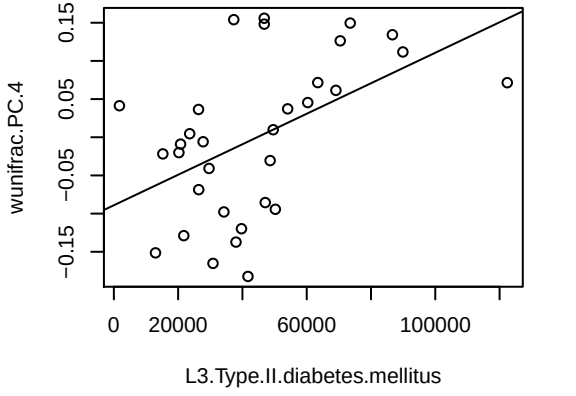
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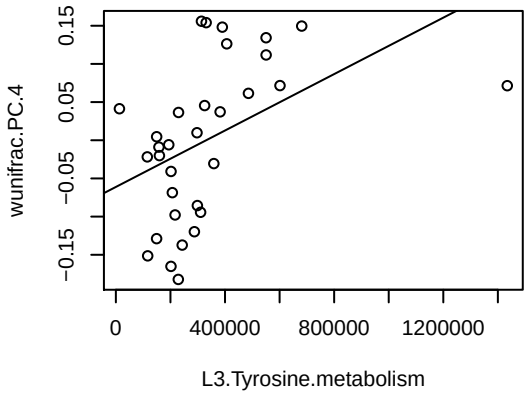
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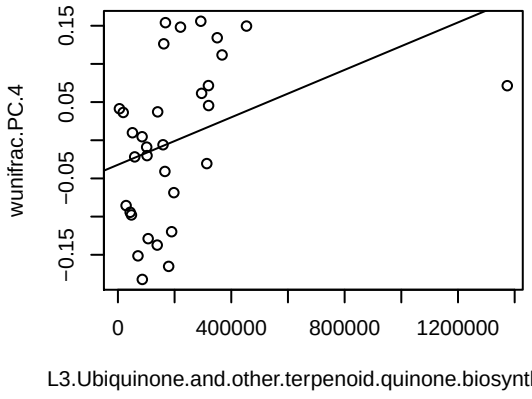
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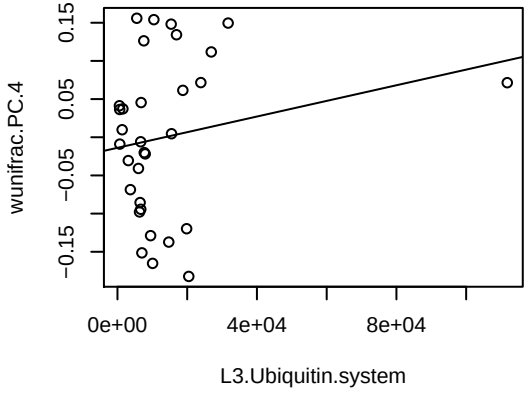
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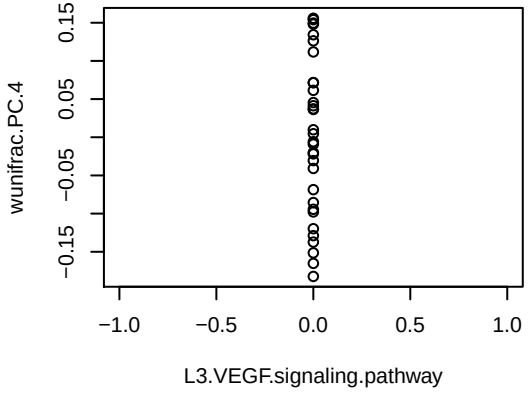
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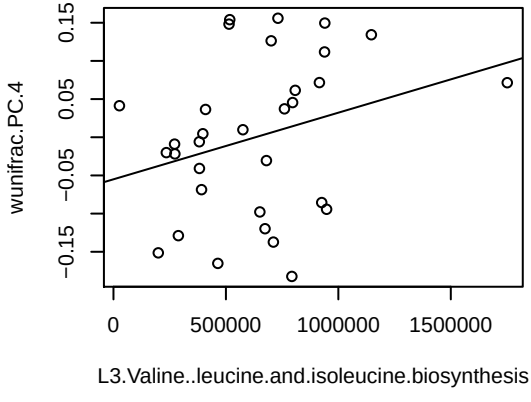
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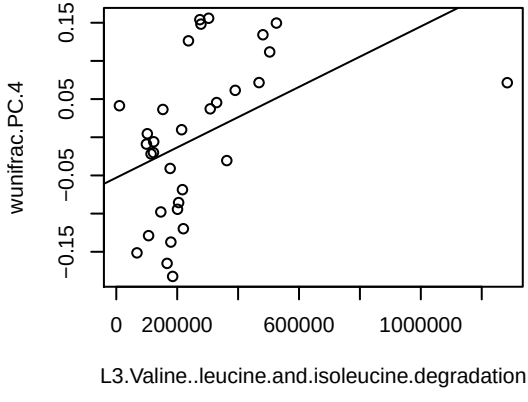
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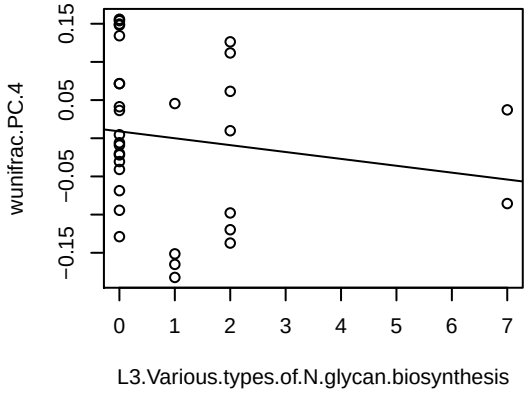
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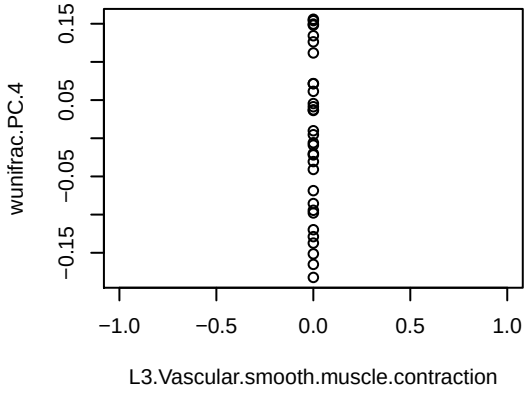
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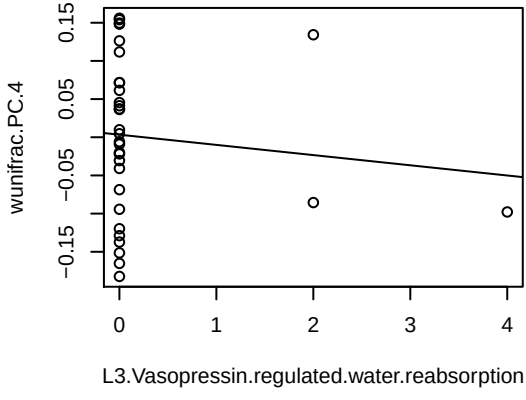
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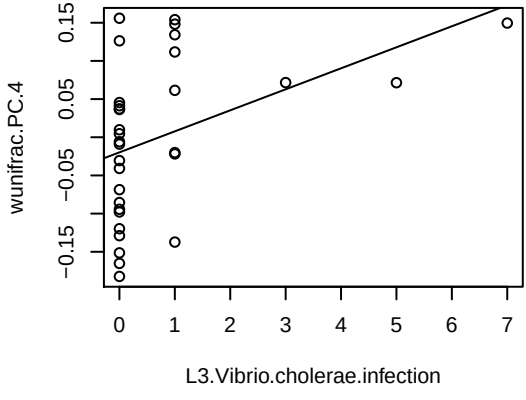
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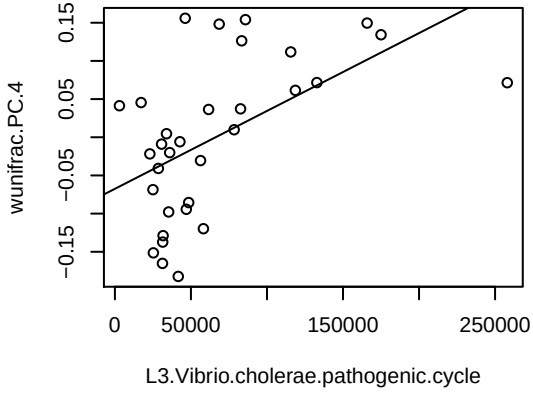
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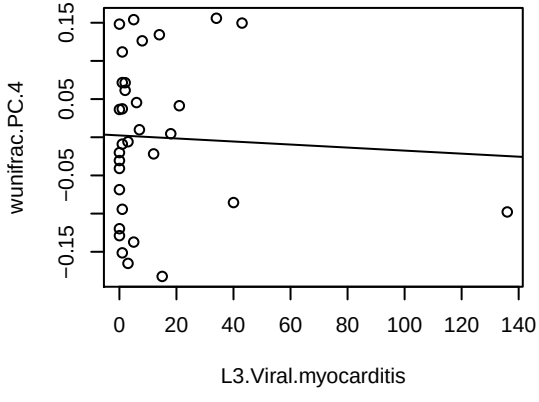
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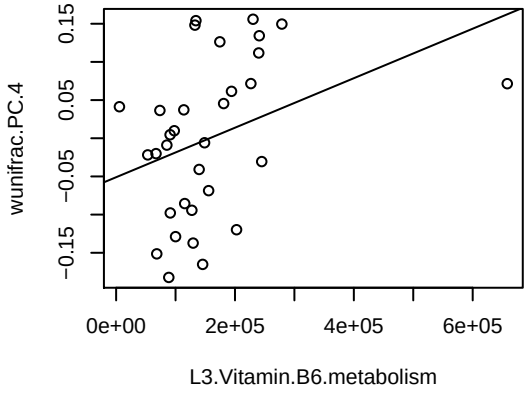
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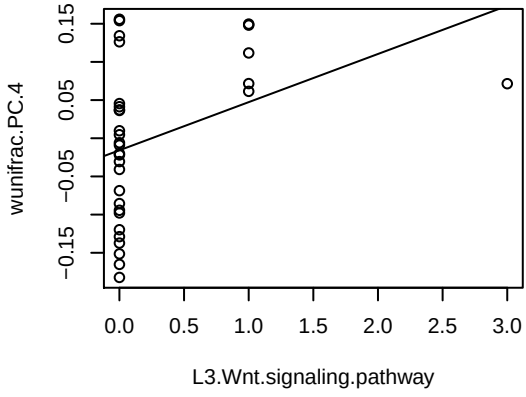
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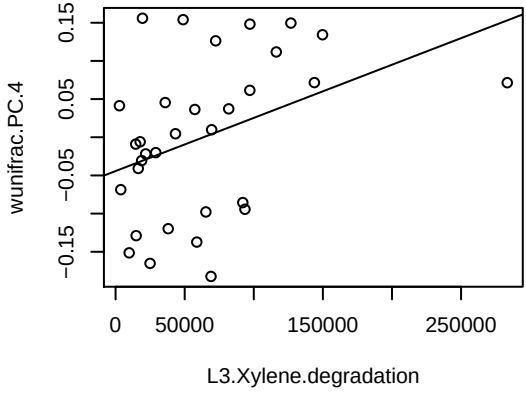
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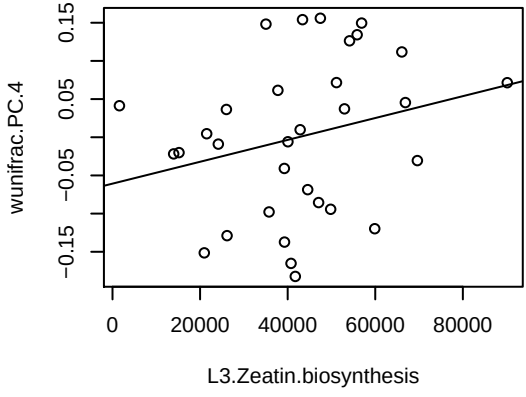
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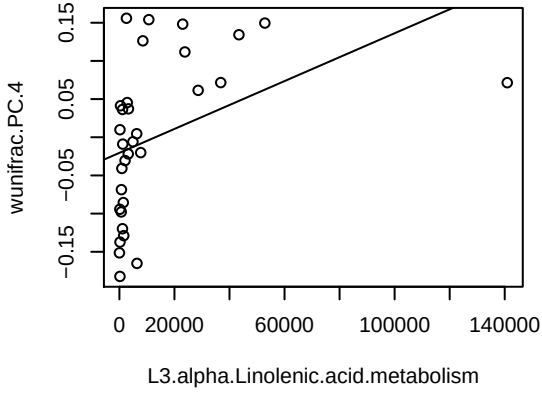
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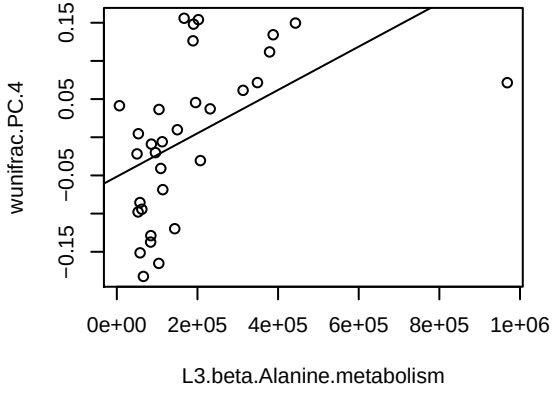
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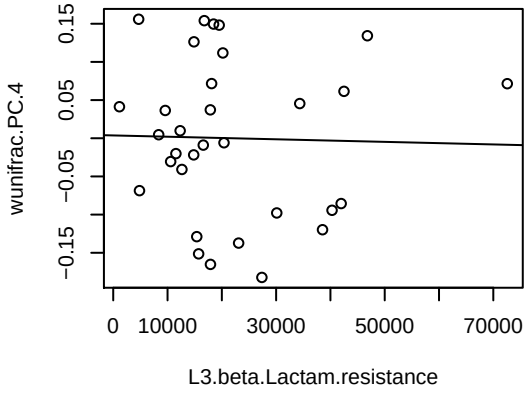
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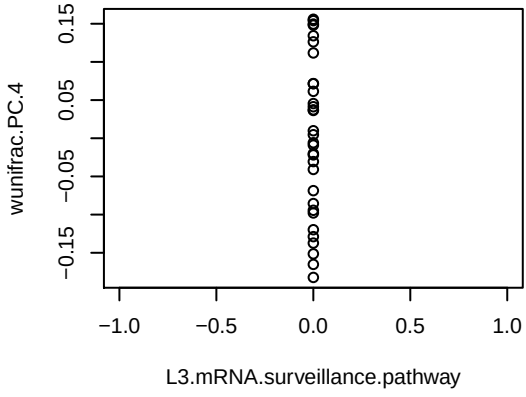
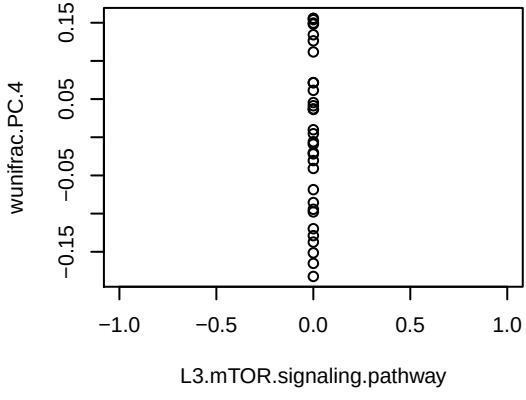
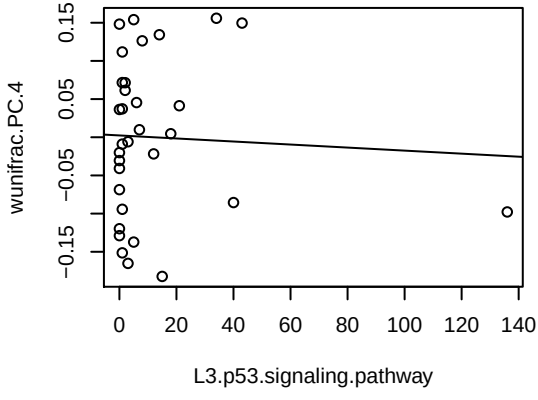

wunifrac.PC.4
0.15
0.05
−0.05
−0.15
−1.0
−0.5
0.0
0.5
1.0
L3.mRNA.surveillance.pathway


wunifrac.PC.4
0.15
0.05
−0.05
−0.15
−1.0
−0.5
0.0
0.5
1.0
L3.mTOR.signaling.pathway


wunifrac.PC.4
0.15
0.05
−0.05
−0.15
0
20
40
60
80
100
120
140
L3.p53.signaling.pathway