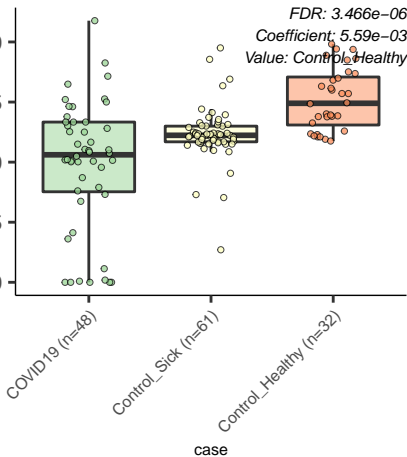
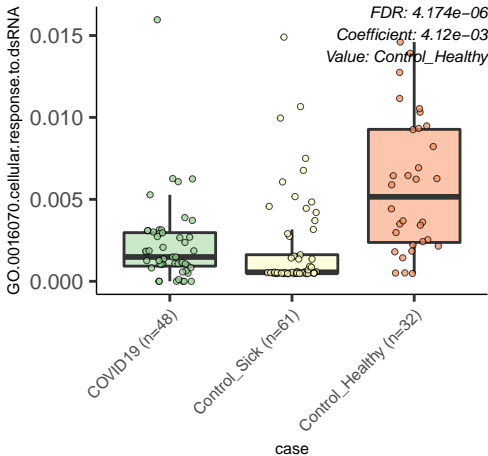
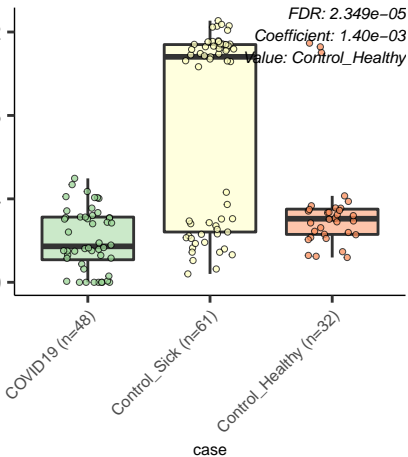


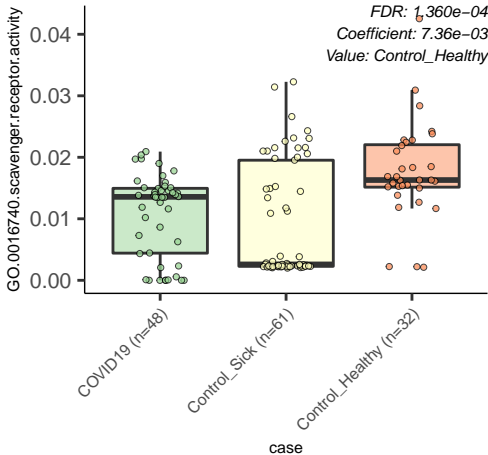
GO.0043170.macro.molecule.metabolic.process

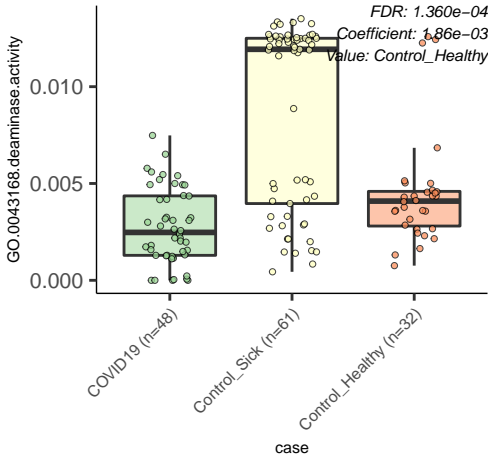




GO.0019538.non.reproductive.fruiting.body.develo

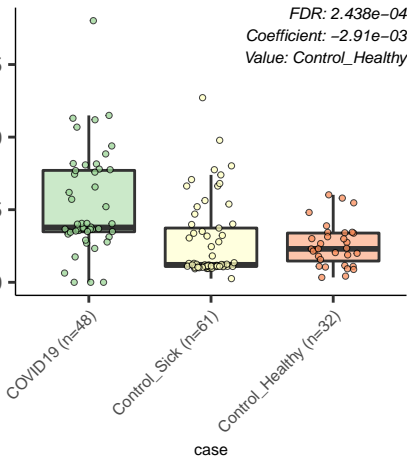




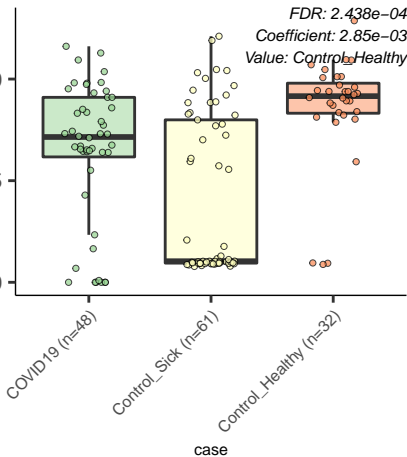




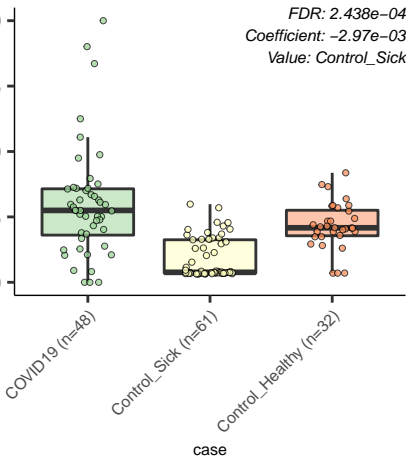
GO.1901362.organic.cyclic.compound.biosynthetic.p



GO.0044260.cellular.macromolecule.metabolic.pro

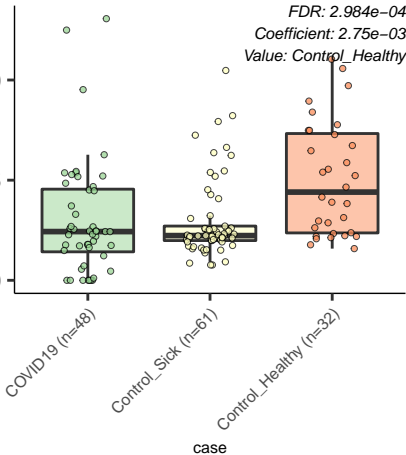


GO.0003676.dynein.light.intermediate.chain.binc

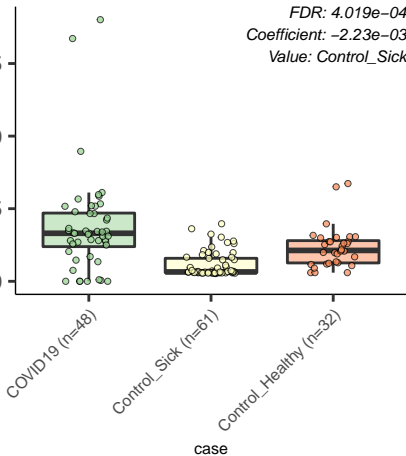


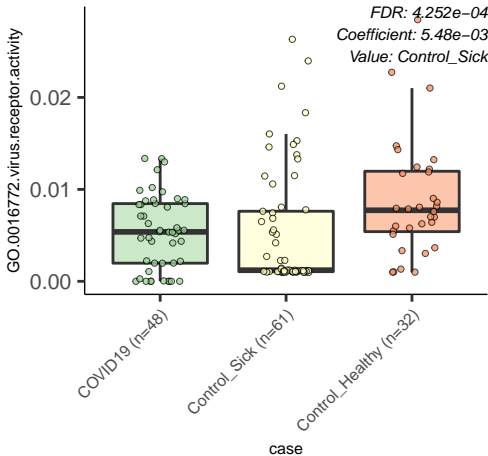
GO.0065007.biological.regulation

FDR: 2.984e-04  
Coefficient: 2.75e-03  
Value: Control\_Healthy

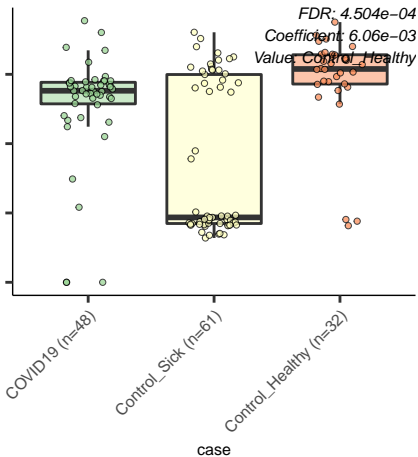


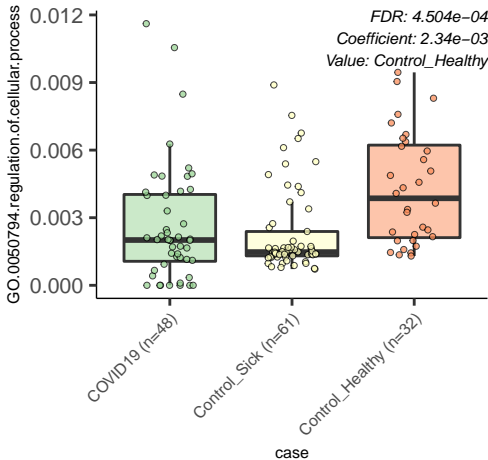
GO.0003677.alcohol.dehydrogenase.acceptor...





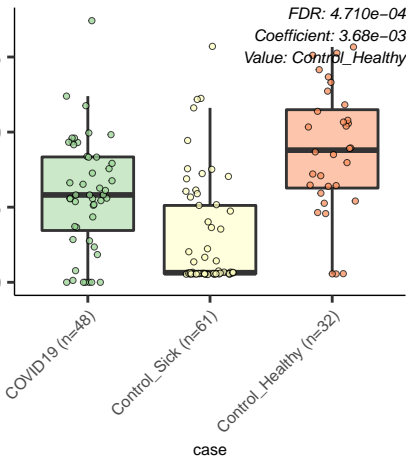
GO.0009987.cellular.process

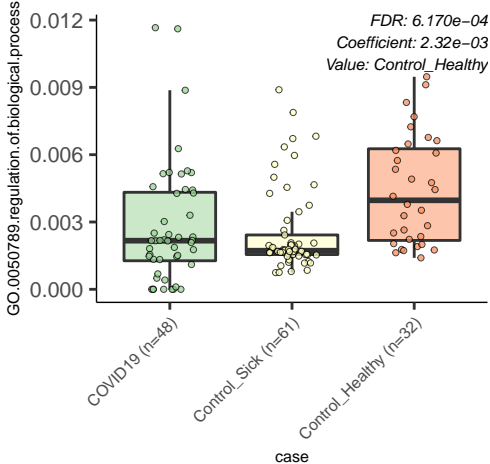




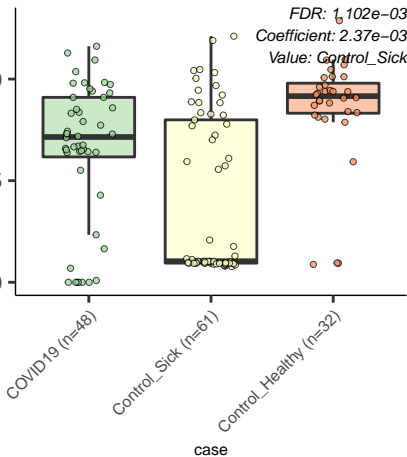


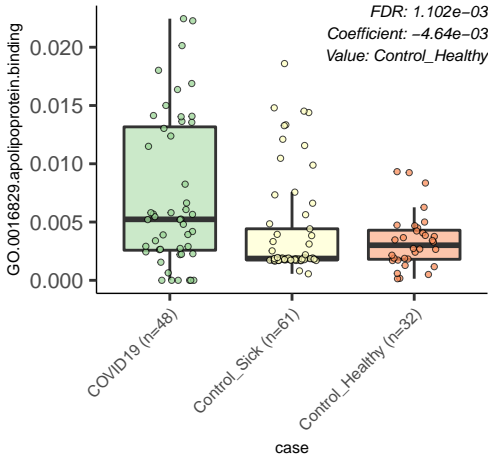
GO.0090304.regulation.of.myoblast.differentiat

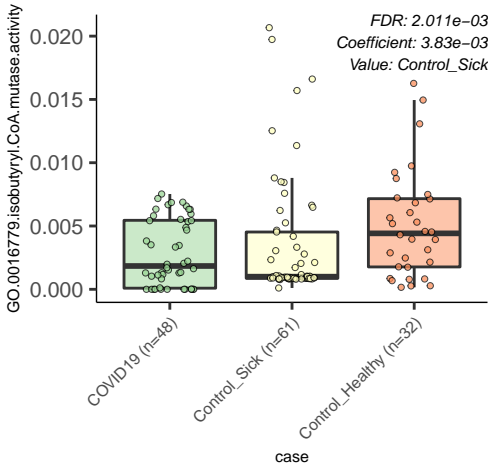




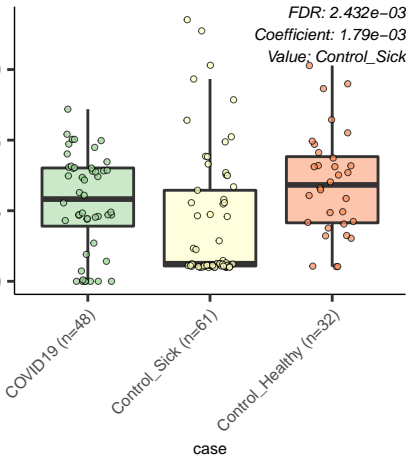
GO.0044260.cellular.macromolecule.metabolic.pro



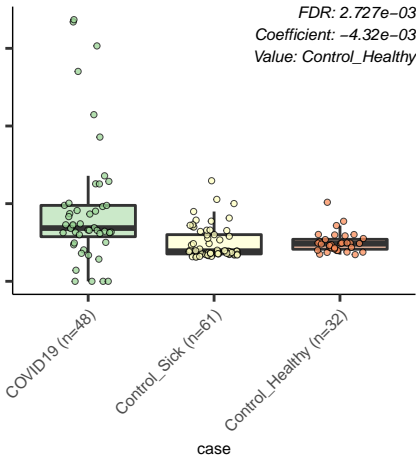




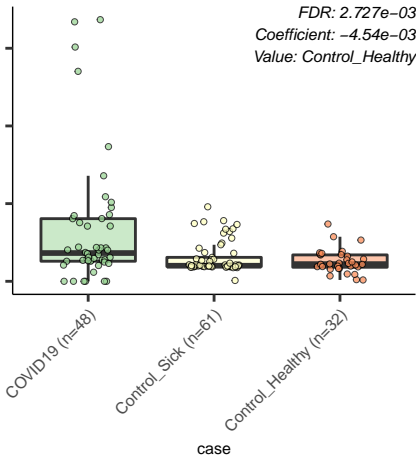
GO.0034645.negative.regulation.of.cell.activation



GO.0044281.small.molecule.metabolic.process

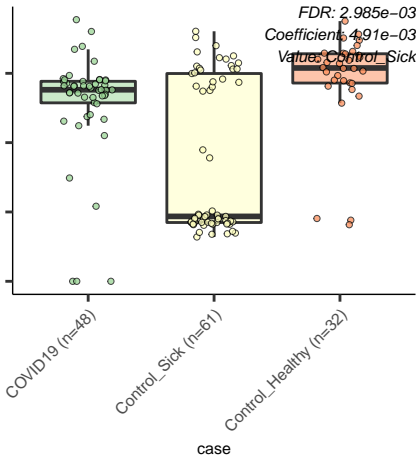


GO.0044283.small.molecule.biosynthetic.proce

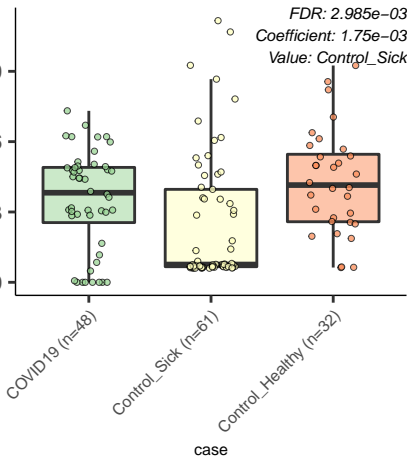




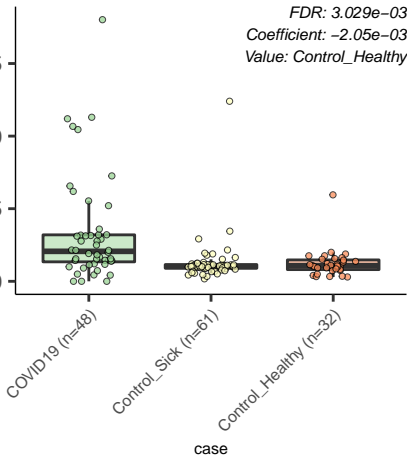
GO.0009987.cellular.process



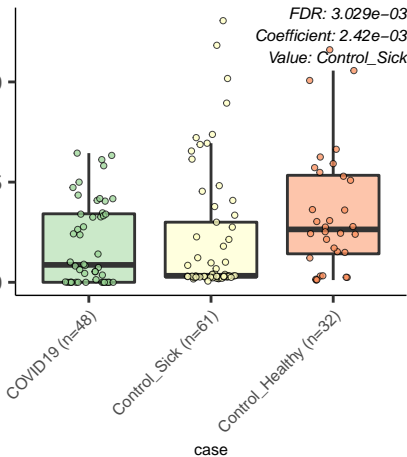
GO.0009059.phenol.containing.compound.metabolic



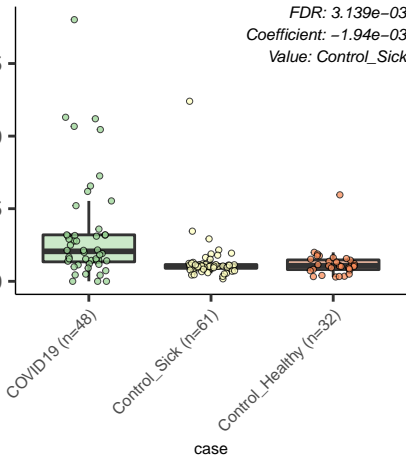
GO.0019438.aromatic.compound.biosynthetic.pro

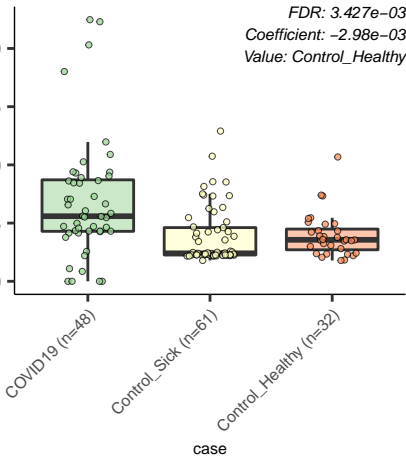


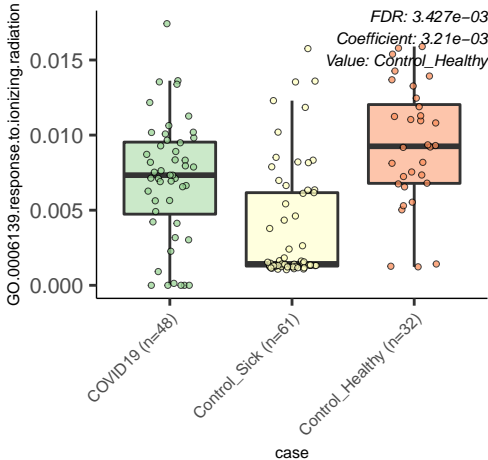
GO.0044262.cellular.carbohydrate.metabolic.pro

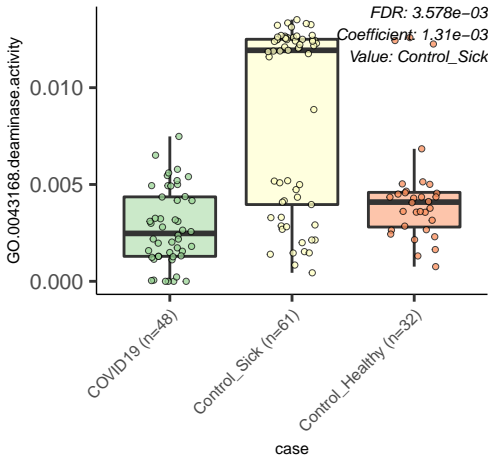


GO.0019438.aromatic.compound.biosynthetic.pro



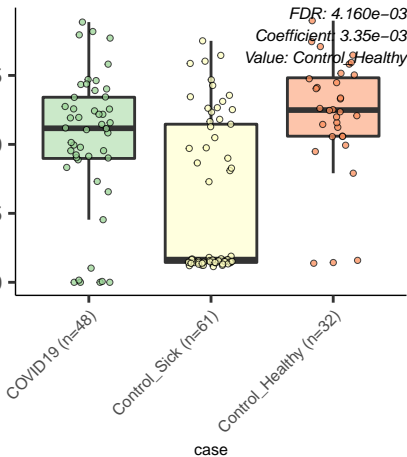


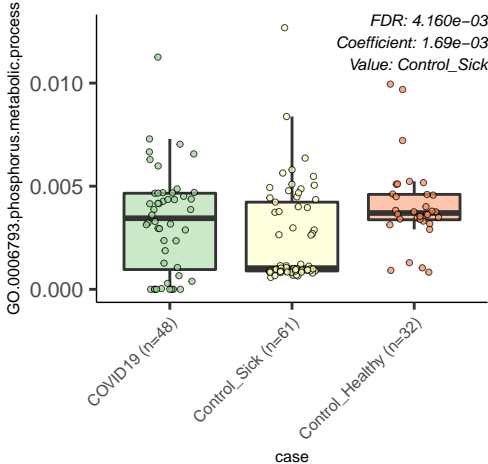


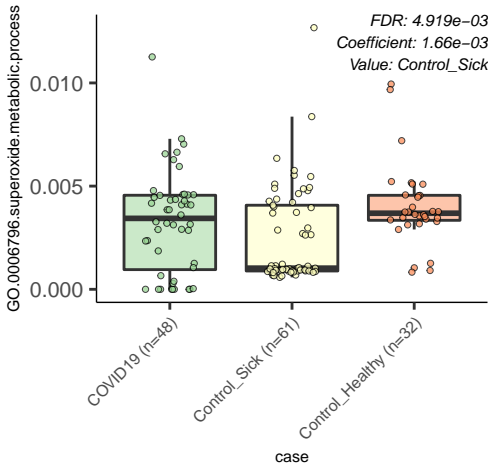




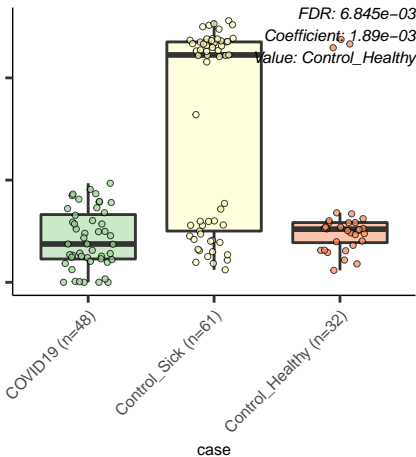
GO.0034641.cellular.nitrogen.compound.metabolic.p



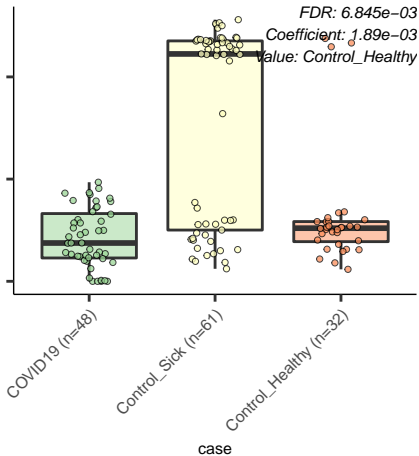


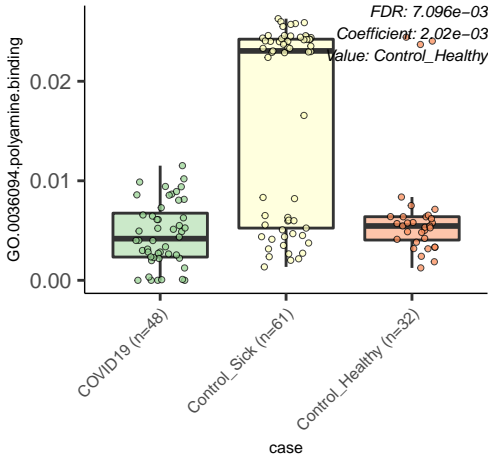


GO.1901265.serine.hydrolase.activity



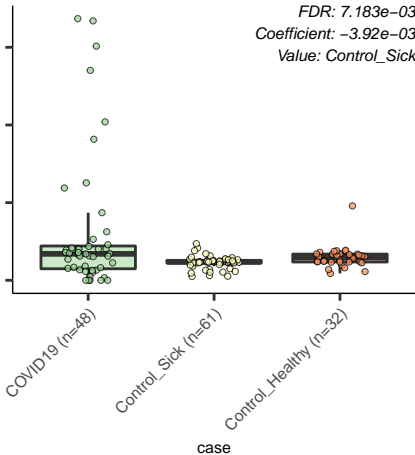
00166.oxidoreductase.activity..acting.on.the.aldehyde.or.oxo.group.o

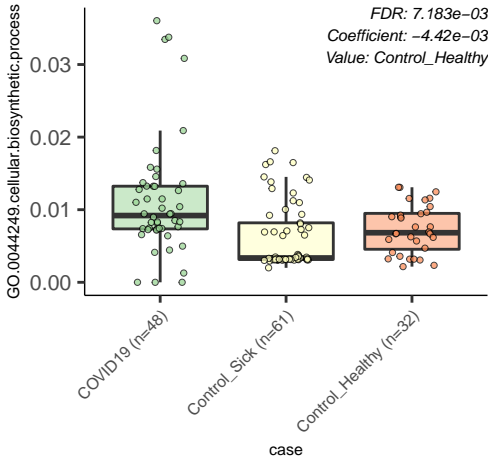




GO.0006082.organic.acid.metabolic.process

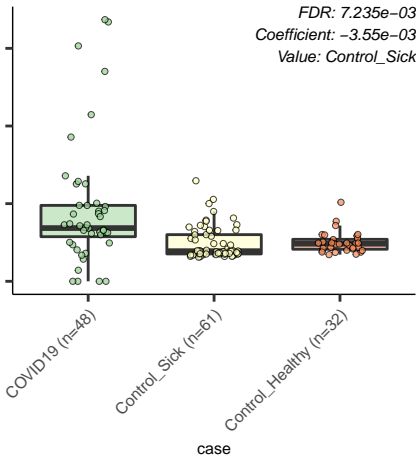
*FDR: 7.183e-03*  
*Coefficient: -3.92e-03*  
*Value: Control\_Sick*



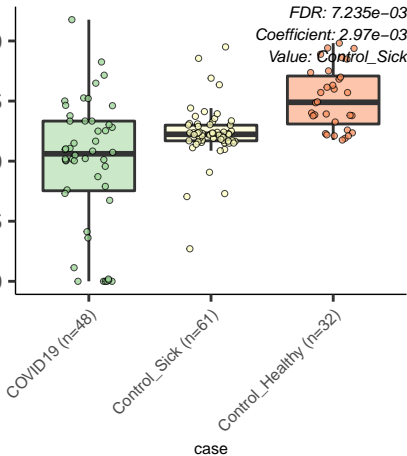




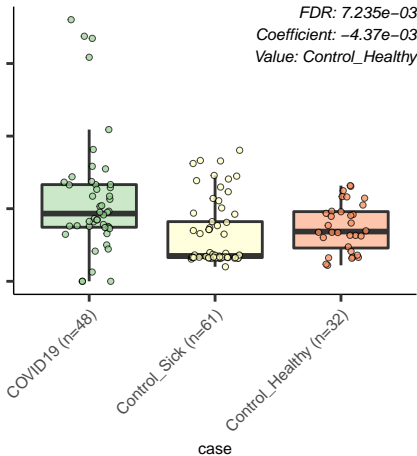
GO.0044281.small.molecule.metabolic.process

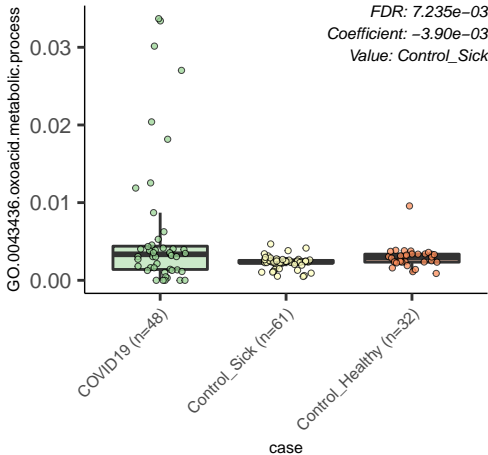


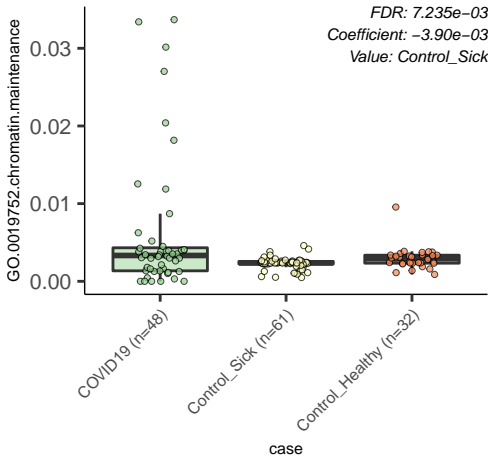
GO.0043170.macroscopic.molecular.process



GO.1901576.organic.substance.biosynthetic.pro







GO.1901265.serine.hydrolase.activity

0.02

0.01

0.00

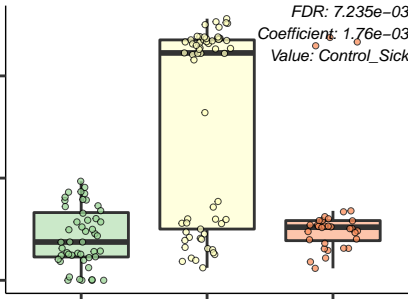
COVID19 (n=48)

Control\_Sick (n=61)

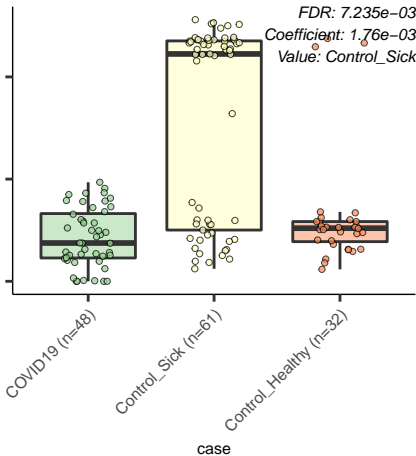
Control\_Healthy (n=32)

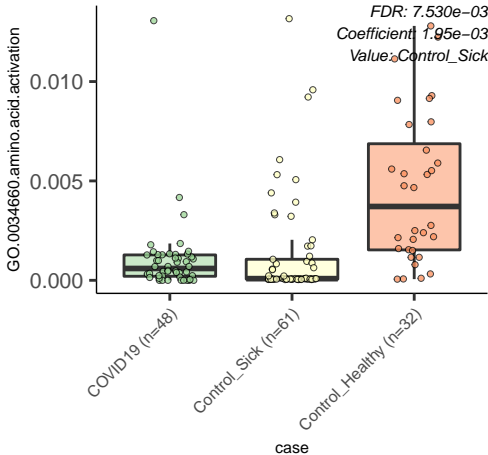
case

FDR:  $7.235e-03$   
Coefficient:  $1.76e-03$   
Value: Control\_Sick

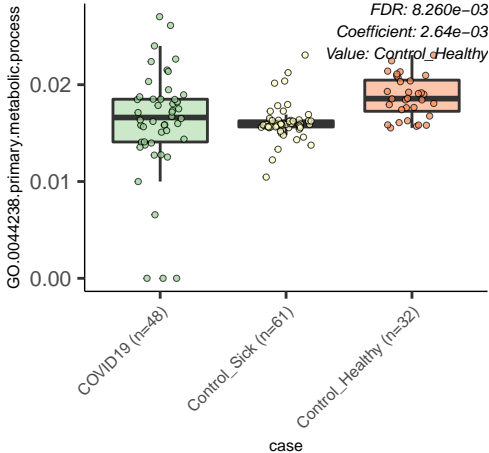


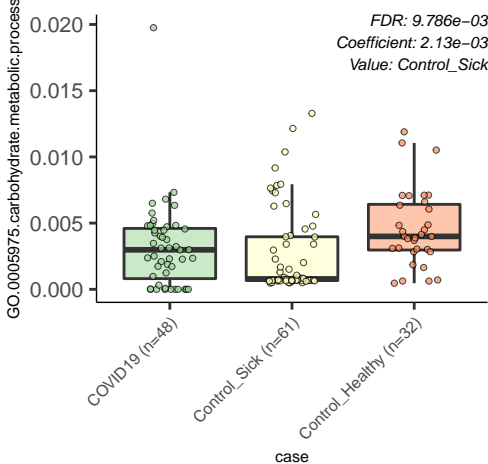
00166.oxidoreductase.activity..acting.on.the.aldehyde.or.oxo.group.o



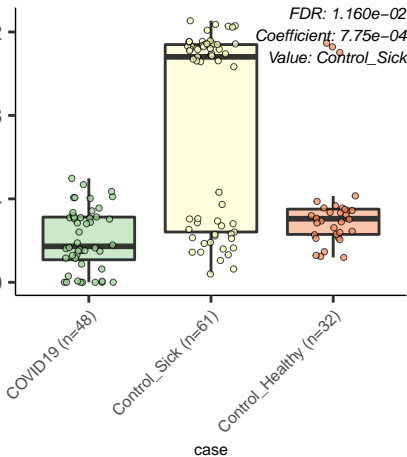


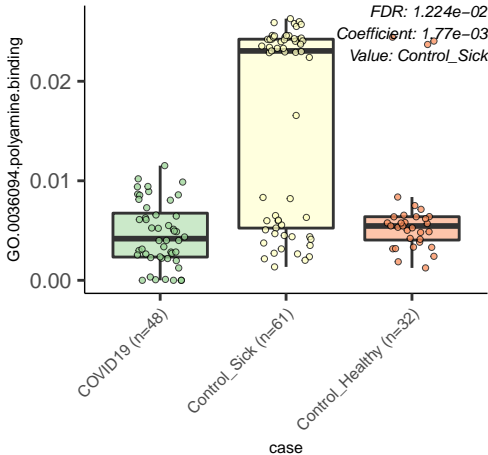


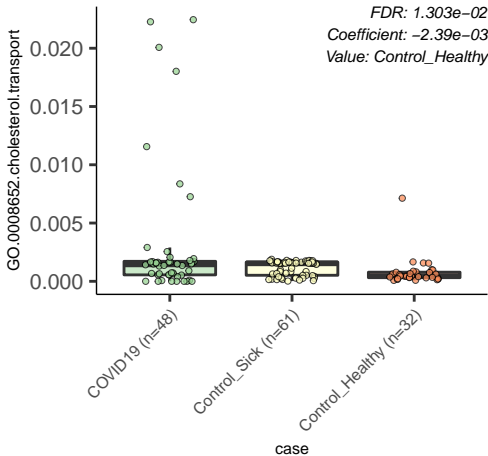




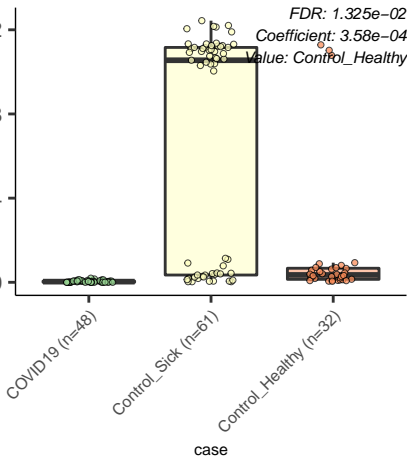
GO.0019538.non.reproductive.fruiting.body.develo

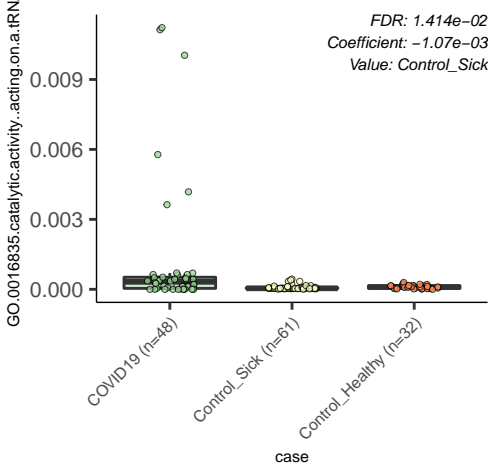


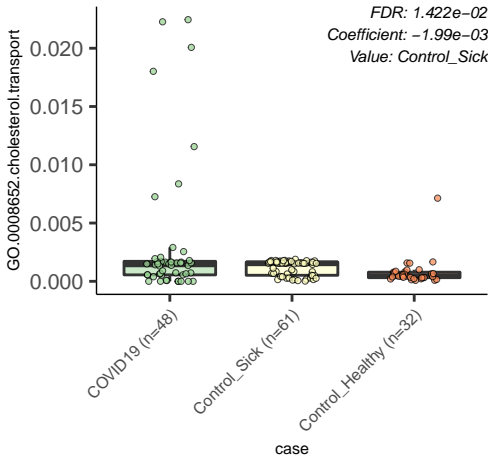




GO.0044877.extracellular.matrix.structural.constituent

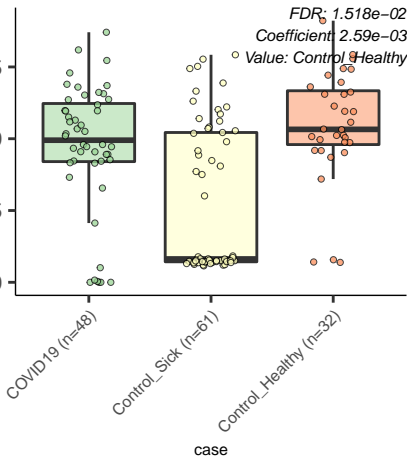


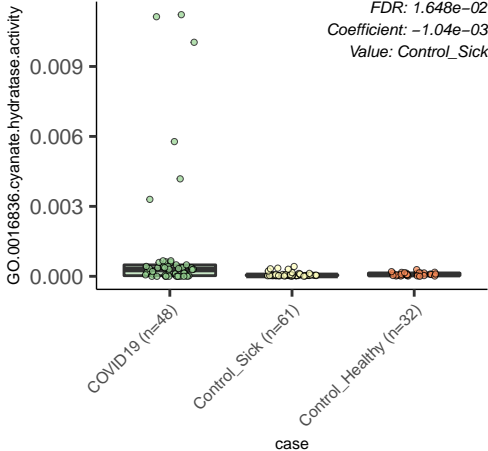




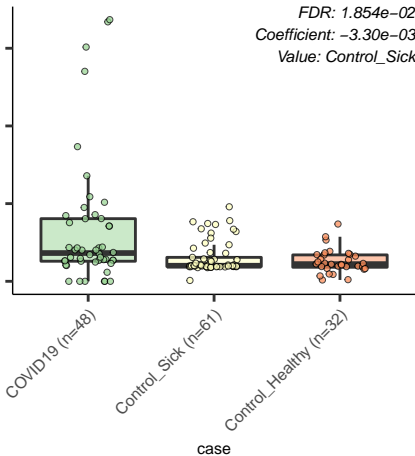


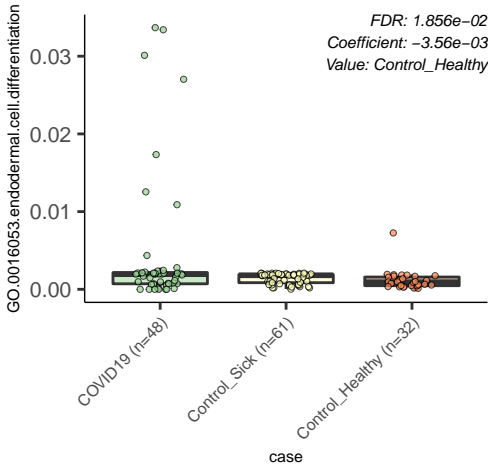
GO.0046483.heterocycle.metabolic.process

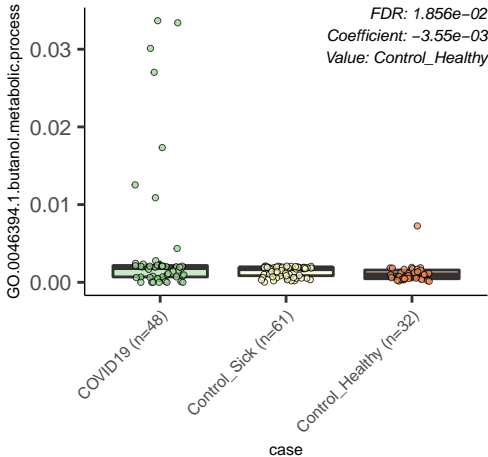




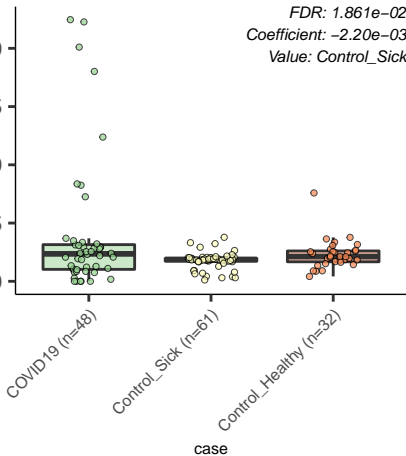
GO.0044283.small.molecule.biosynthetic.proce

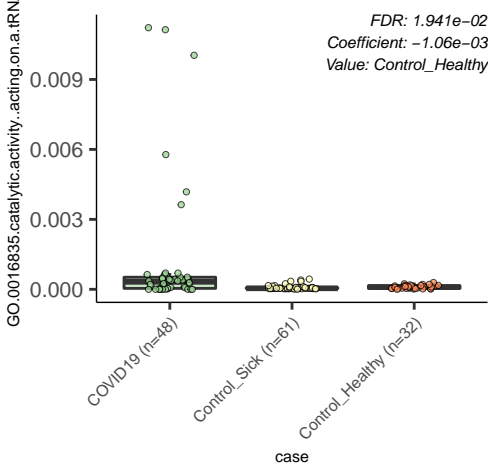




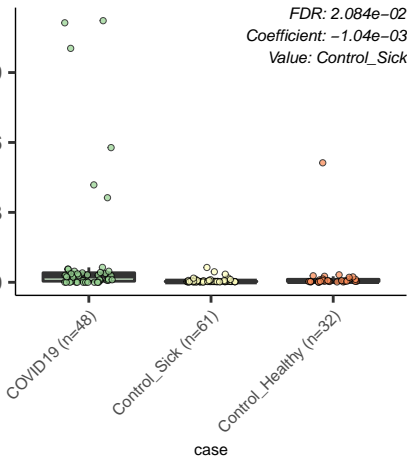


GO.0006520.positive.regulation.of.superoxide.dismuta

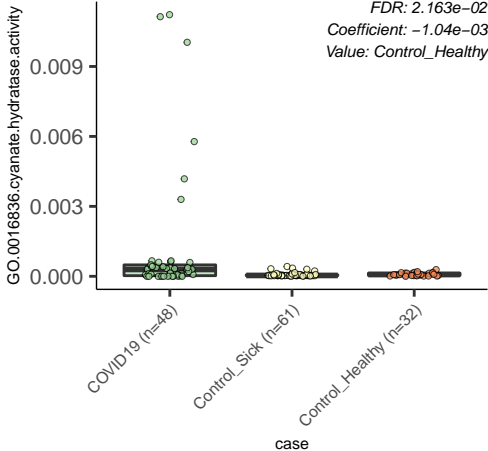




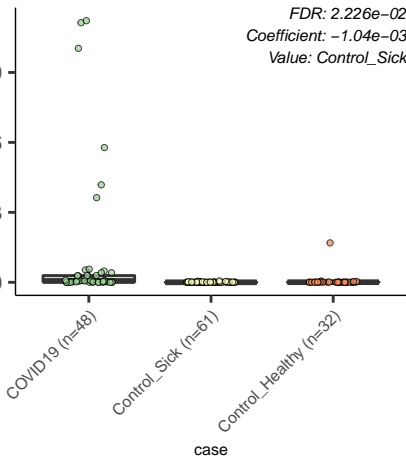
GO.0009072.myo.inositol.hexakisphosphate.metabolic



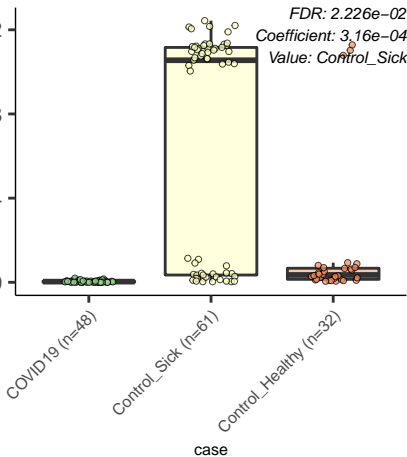




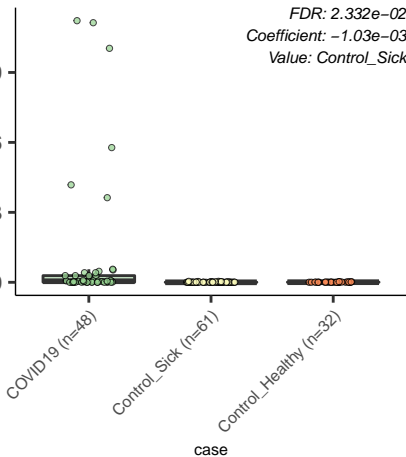
GO.0046417.signal.transduction.involved.in.mitotic.cell.cyc

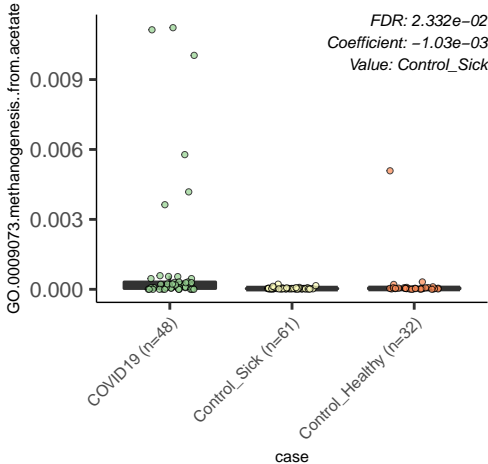


GO.0044877.extracellular.matrix.structural.constit

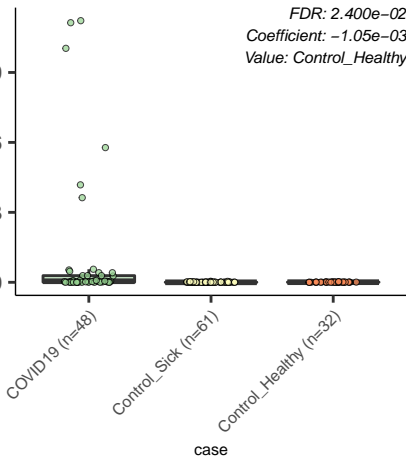


GO.0009423.regulation.of.fucose.catabolic.proc

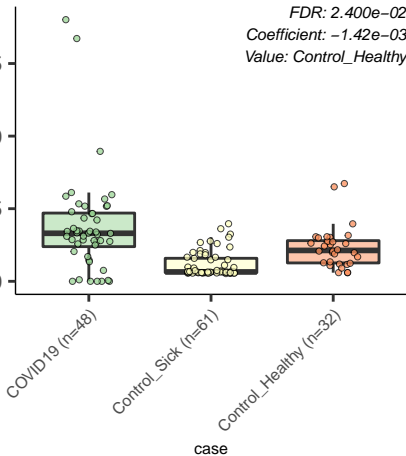




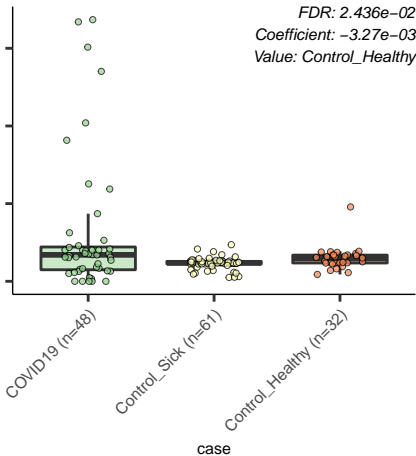
GO.0009423.regulation.of.fucose.catabolic.proc



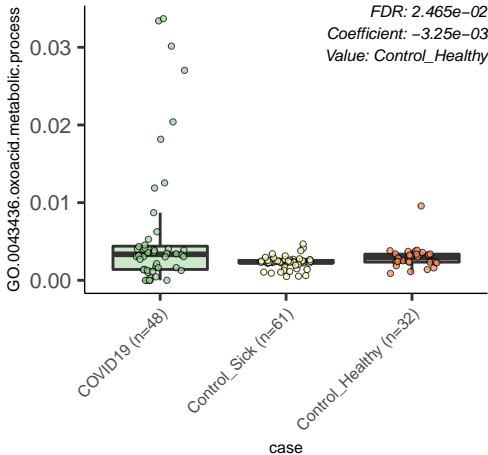
GO.0003677.alcohol.dehydrogenase.acceptor...



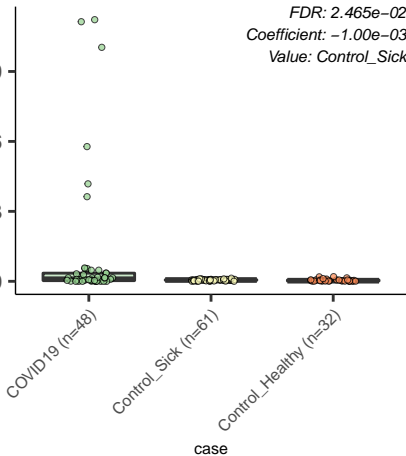
GO.0006082.organic.acid.metabolic.process



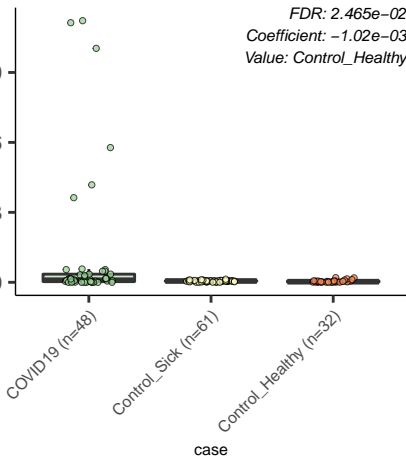




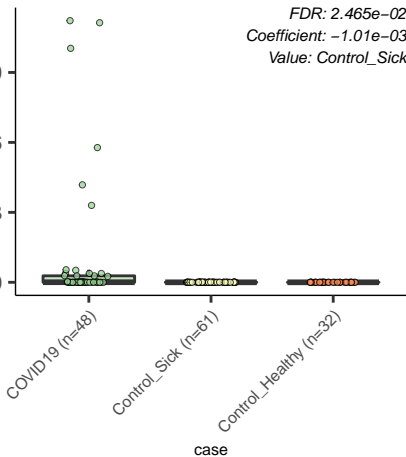
GO.0043650.Malpighian.tubule.morphogenesis

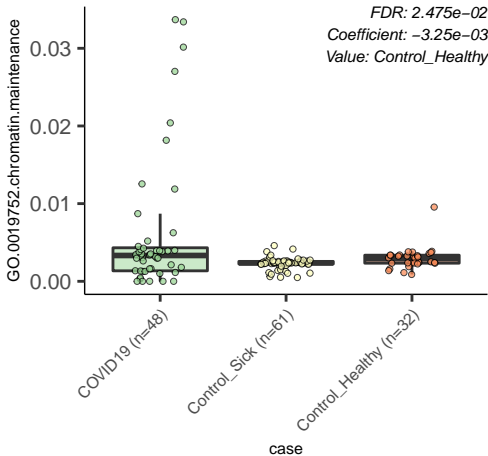


GO.0043650.Malpighian.tubule.morphogenesis

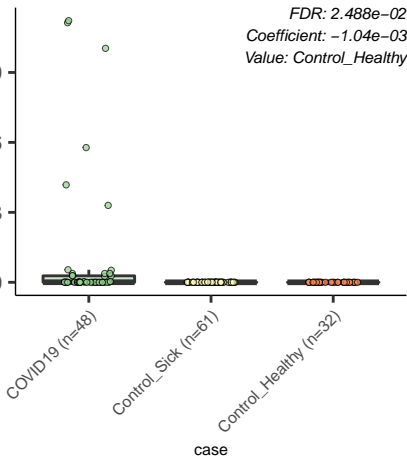


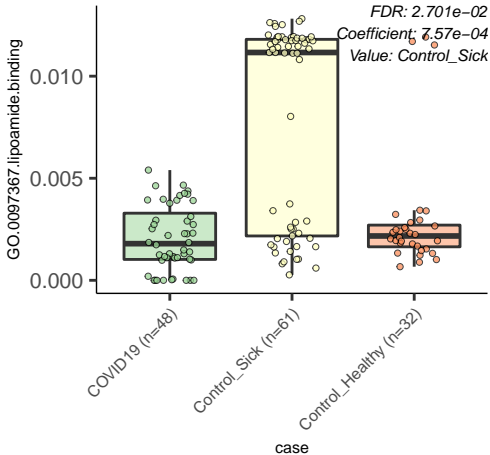
GO.0003855.6.7.dihydropteridine.reductase.acti





GO.0003855.6.7.dihydropteridine.reductase.acti





GO.0097367.lipoamide.binding

0.010  
0.005  
0.000

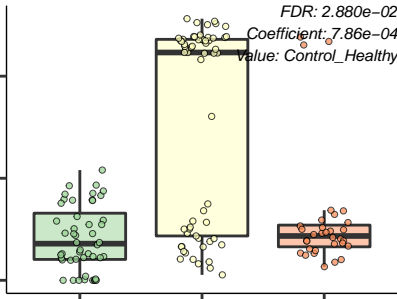
COVID19 (n=48)

Control\_Sick (n=61)

Control\_Healthy (n=32)

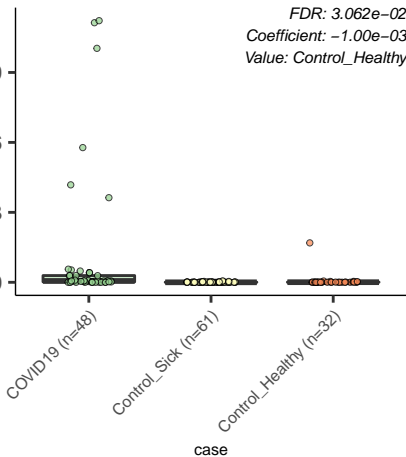
case

FDR:  $2.880 \times 10^{-2}$   
Coefficient:  $7.86 \times 10^{-4}$   
Value: Control\_Healthy

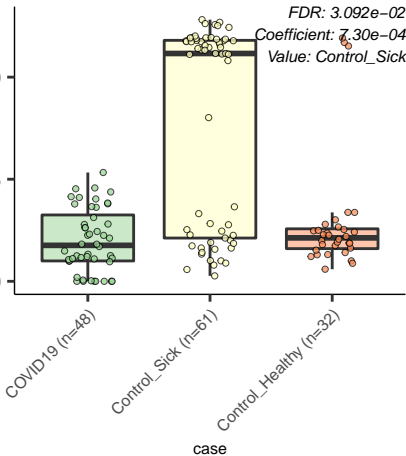


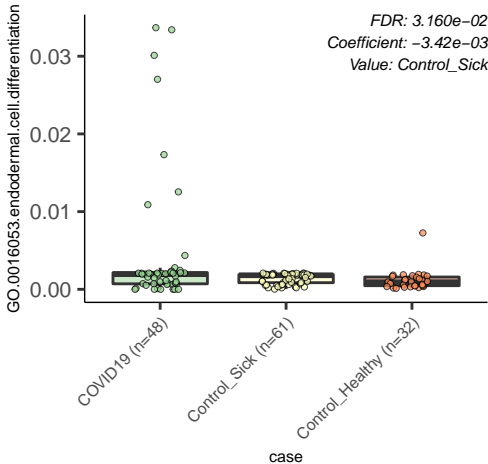


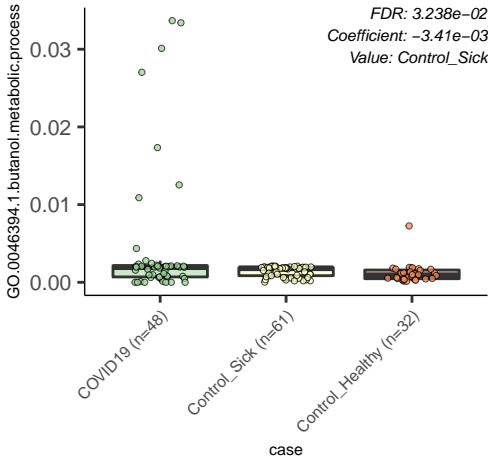
GO.0046417.signal.transduction.involved.in.mitotic.cell.cycle



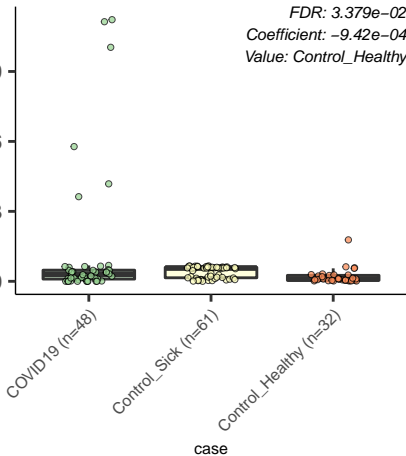
GO.0032553.imidazoleglycerol.phosphate.dehydratas



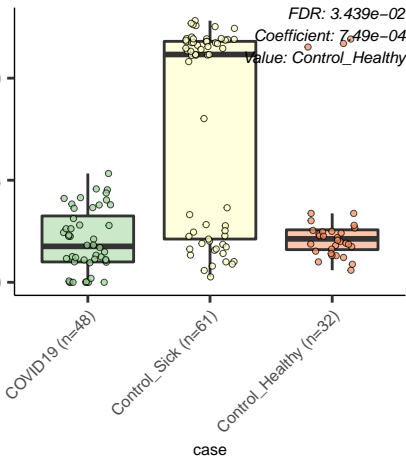


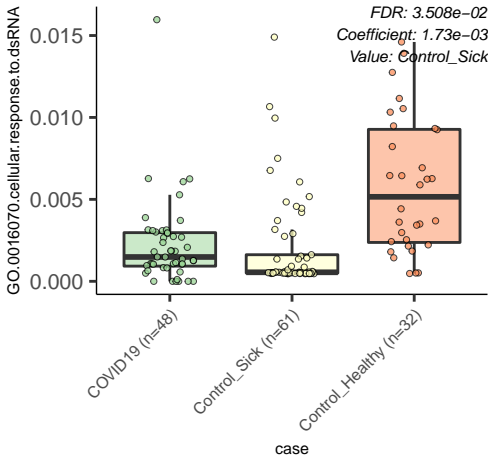


GO.0043648.mitigation.of.host.defenses.by.symbol

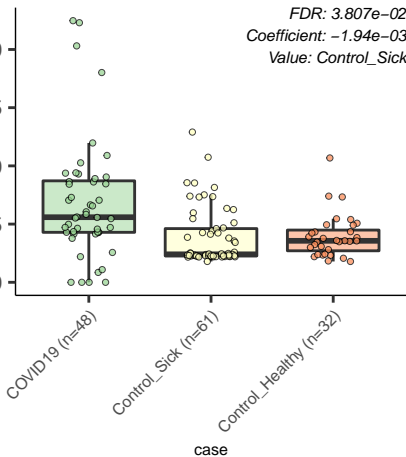


GO.0032553.imidazoleglycerol.phosphate.dehydratas

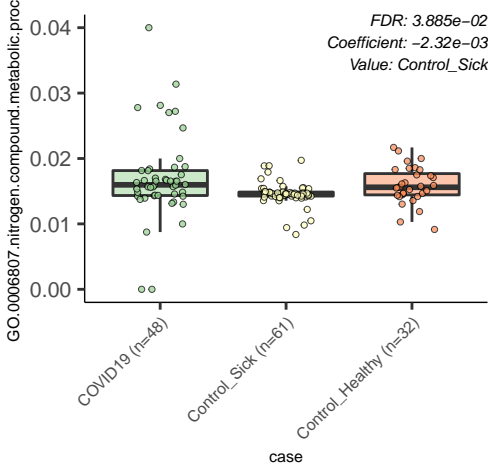




GO.1901566.organonitrogen.compound.biosynthetic

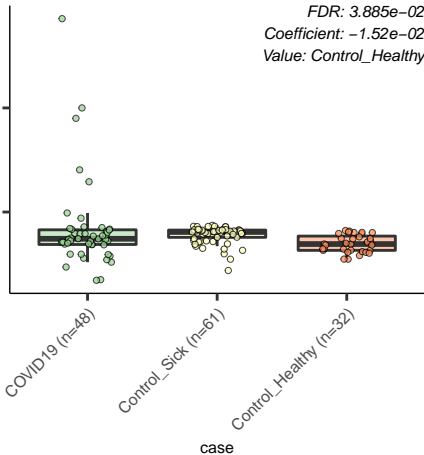




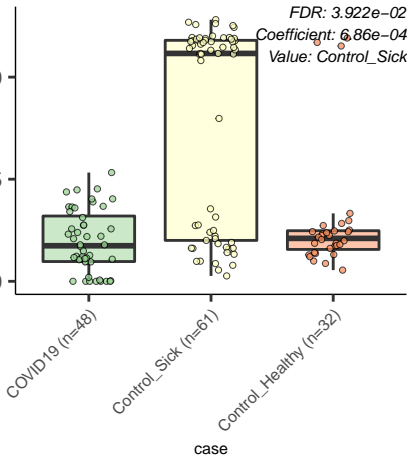


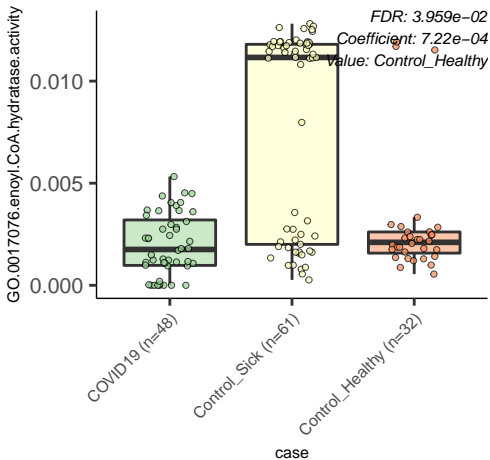
GO.0003674.energy.transducer.activity

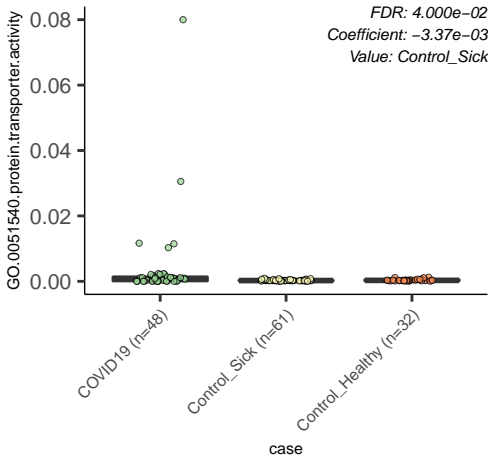
FDR: 3.885e-02  
Coefficient: -1.52e-02  
Value: Control\_Healthy



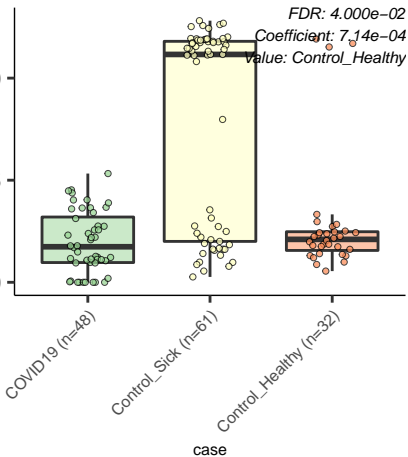
GO.0032555.GDP.D.glucose.phosphorylase.act

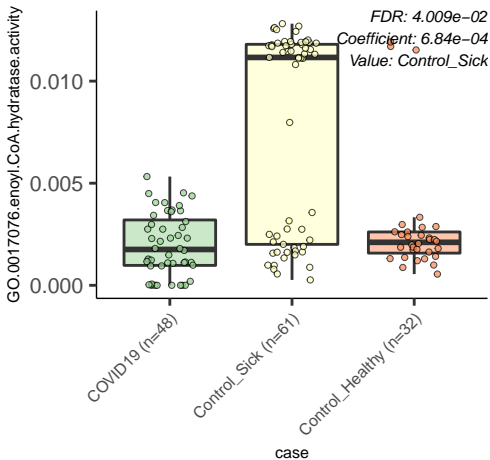


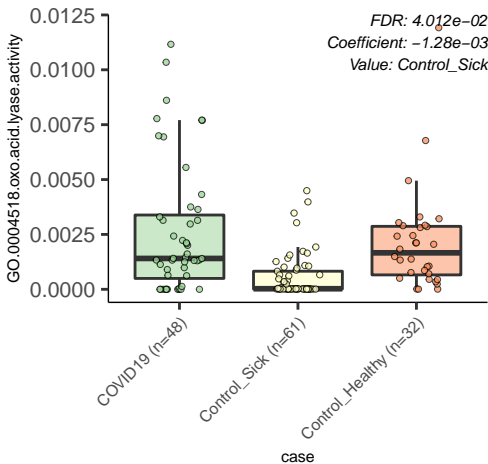




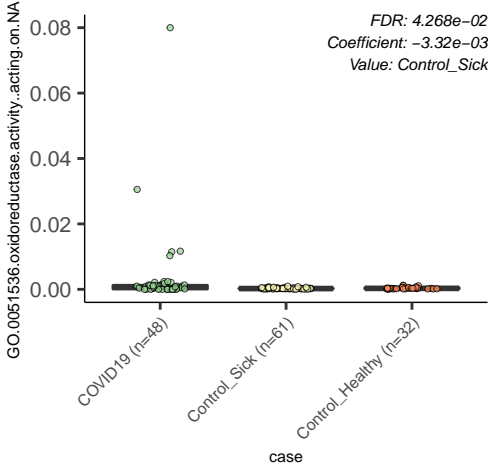
GO.0032555.GDP.D.glucose.phosphorylase.act

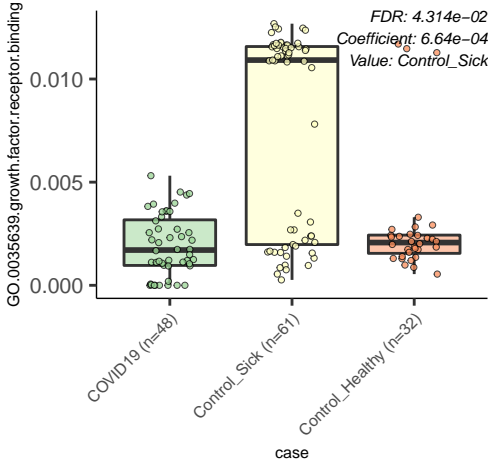


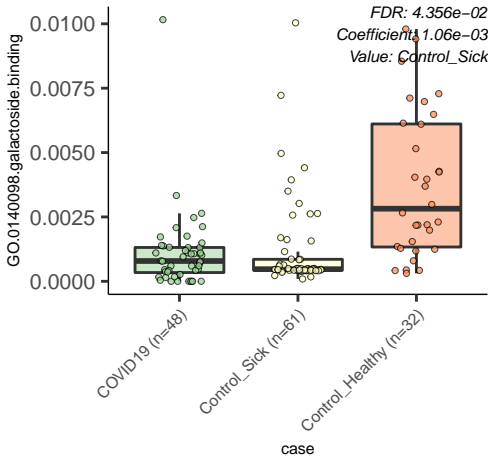


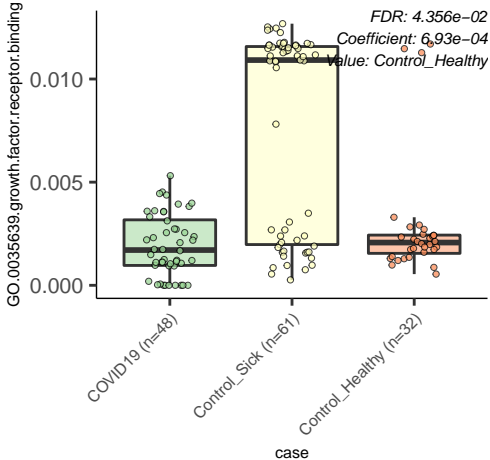


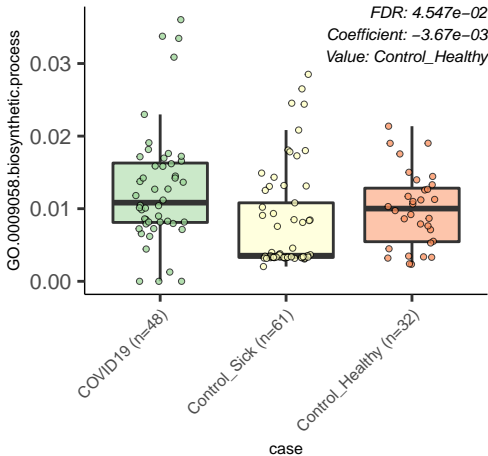


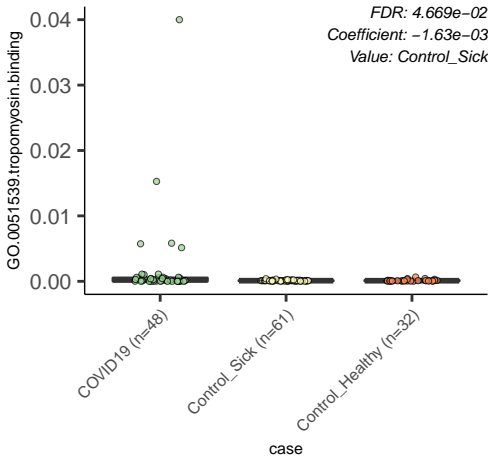




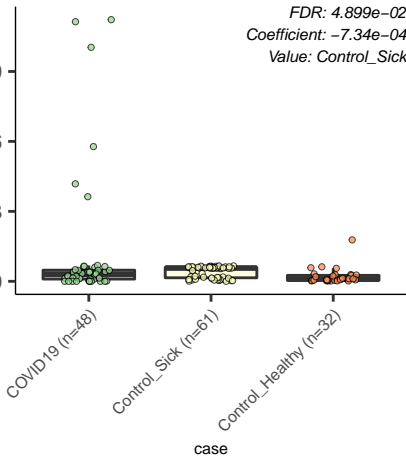




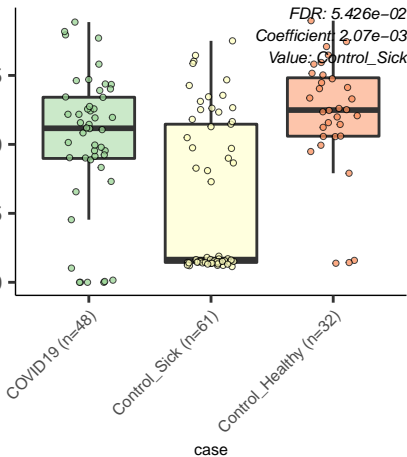




GO.0043648.mitigation.of.host.defenses.by.symbol

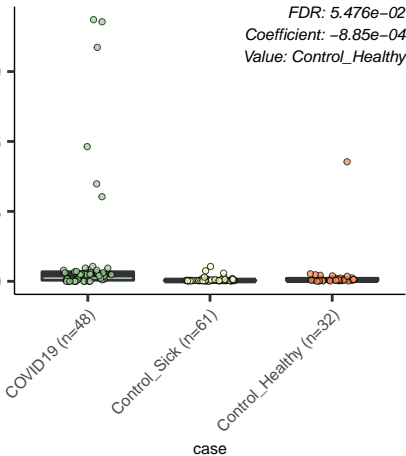


GO.0034641.cellular.nitrogen.compound.metabolic.p





GO.0009072.myo.inositol.hexakisphosphate.metabolism





GO.0009399.nitrogen.fixation

0.04  
0.03  
0.02  
0.01  
0.00

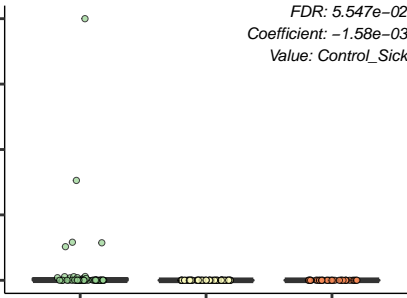
*FDR: 5.547e-02*  
*Coefficient: -1.58e-03*  
*Value: Control\_Sick*

COVID19 (n=48)

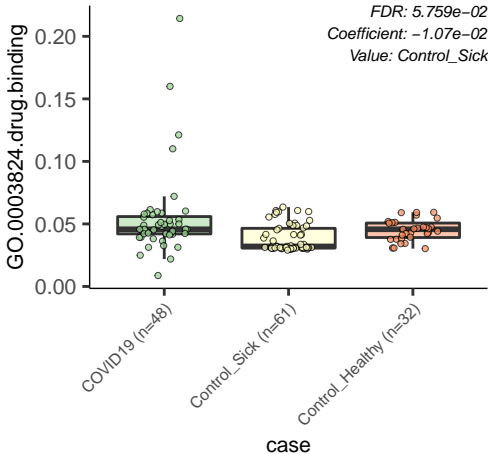
Control\_Sick (n=61)

Control\_Healthy (n=32)

case

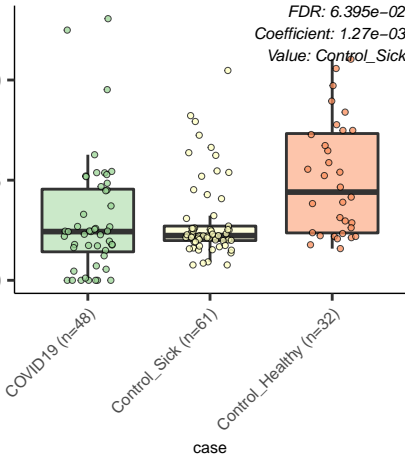


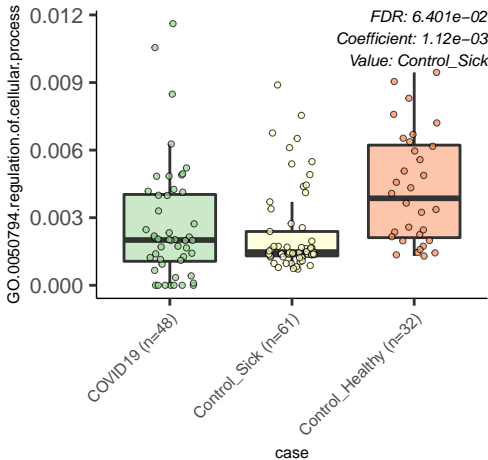




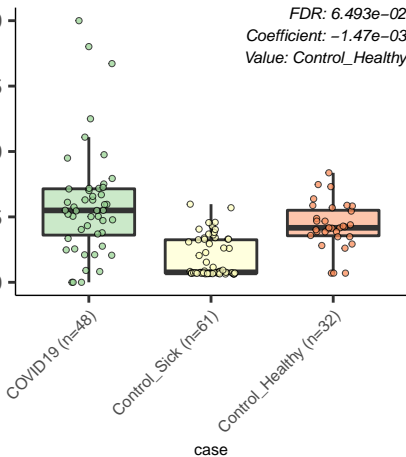
GO.0065007.biological.regulation

FDR:  $6.395e-02$   
Coefficient:  $1.27e-03$   
Value: Control\_Sick

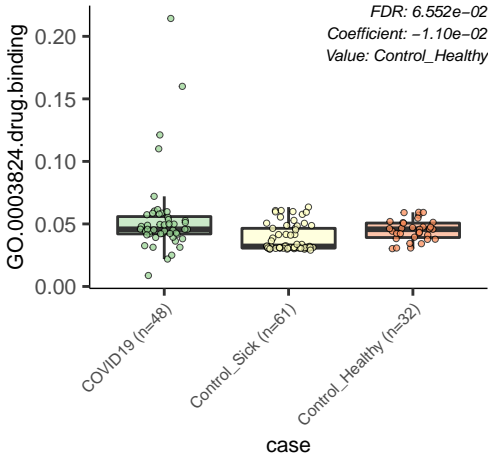




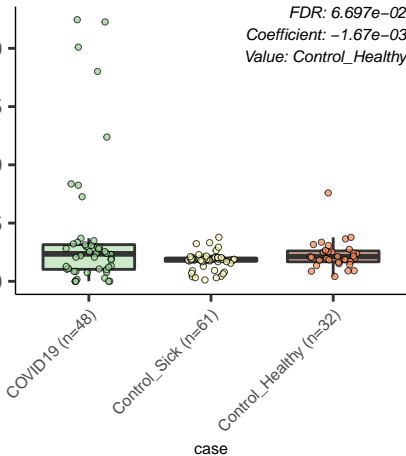
GO.0003676.dynein.light.intermediate.chain.binc



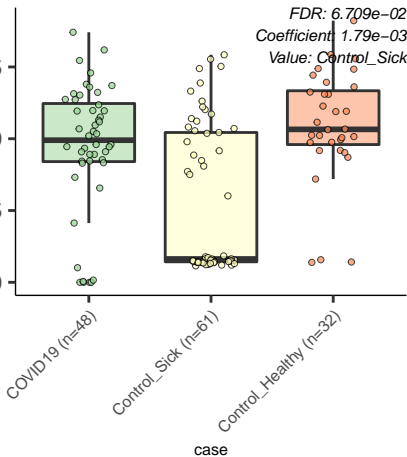


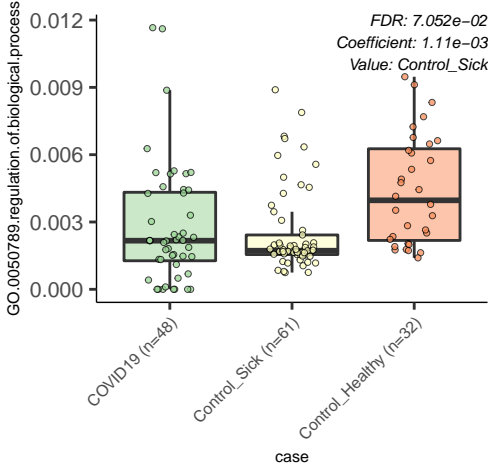


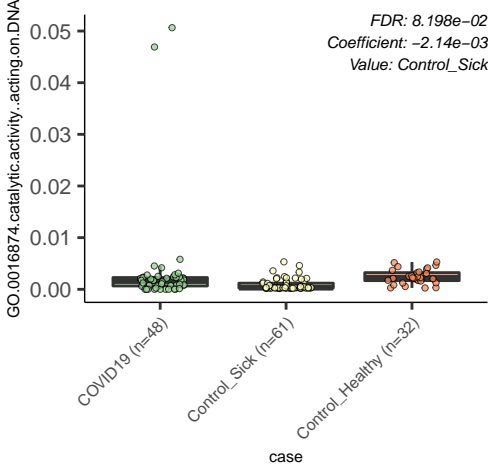
GO.0006520.positive.regulation.of.superoxide.dismuta

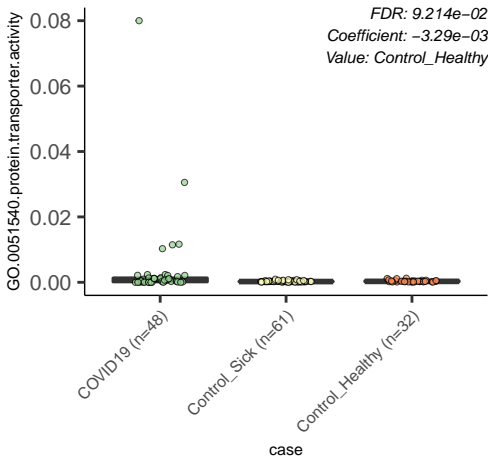


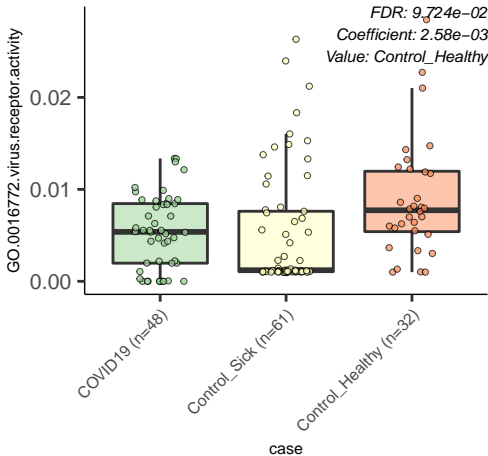
GO.0046483.heterocycle.metabolic.process





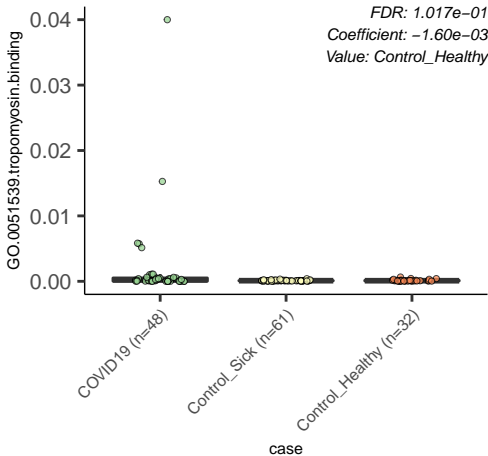


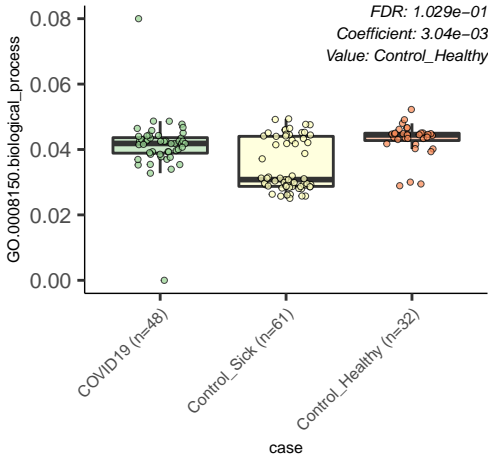




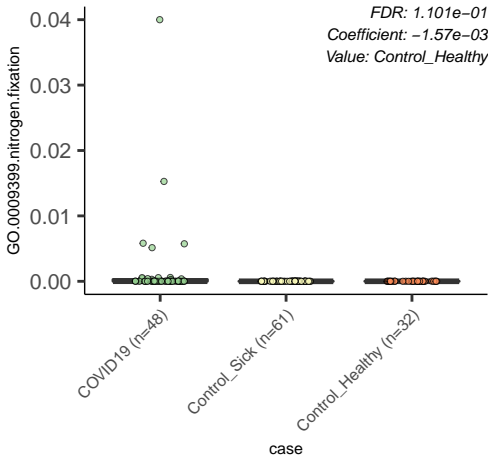




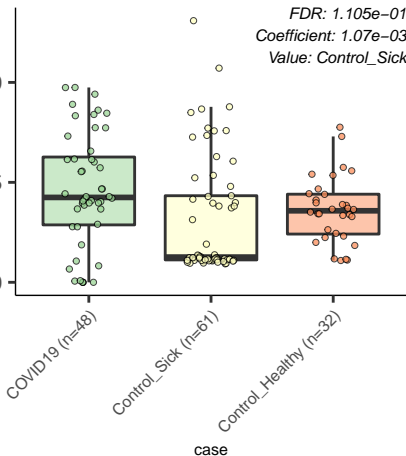




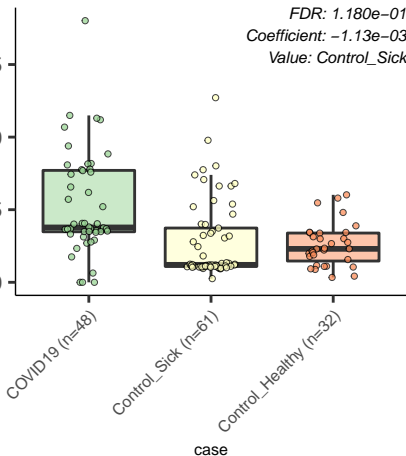


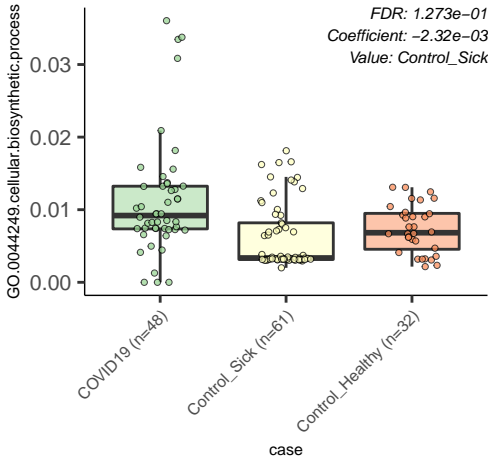


GO.0044271.cellular.nitrogen.compound.biosynthetic

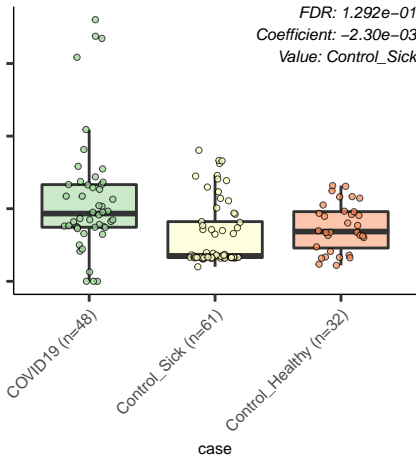


GO.1901362.organic.cyclic.compound.biosynthetic.p



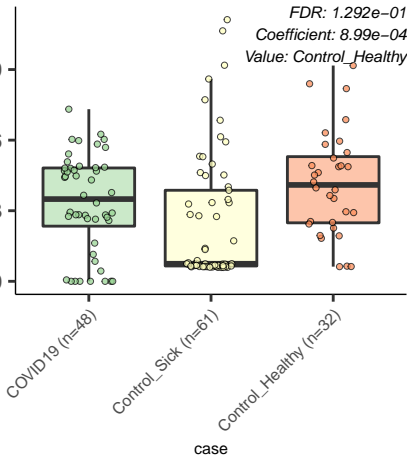


GO.1901576.organic.substance.biosynthetic.pro

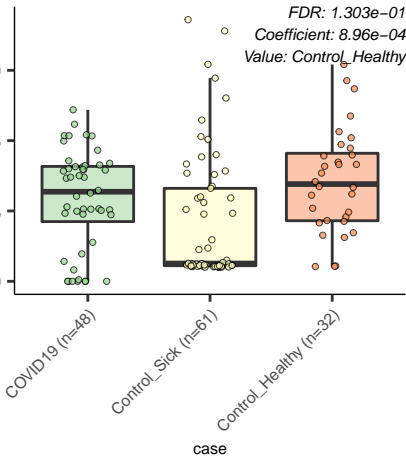


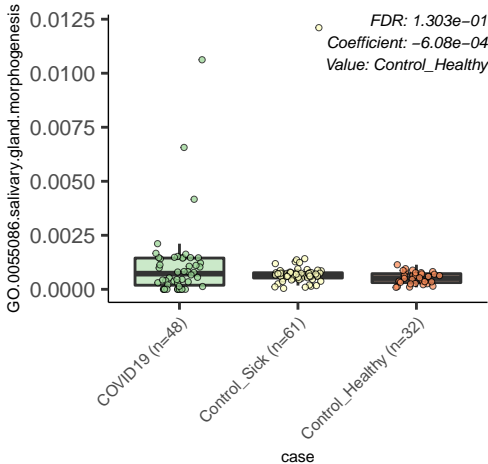


GO.0034645.negative.regulation.of.cell.activation

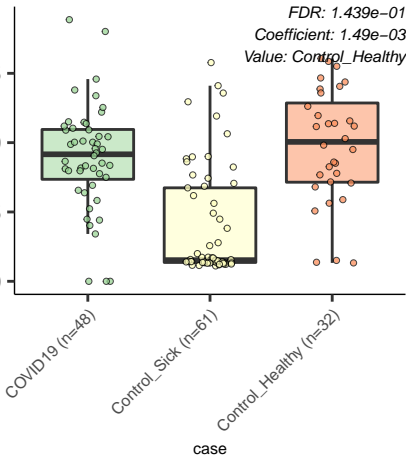


GO.0009059.phenol.containing.compound.metabolic

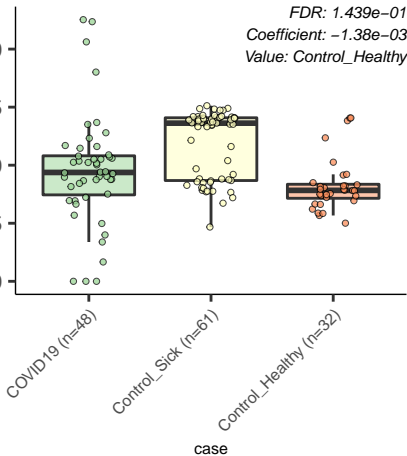


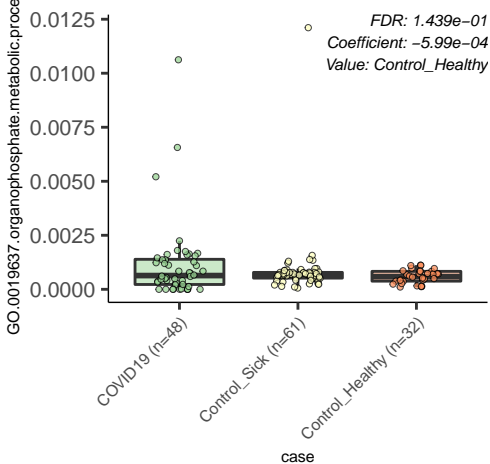


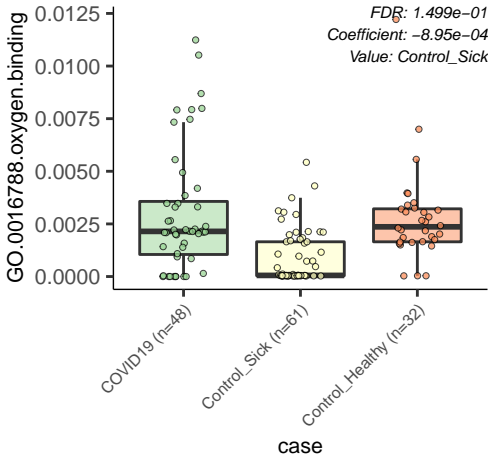
GO.0006725.cellular.aromatic.compound.metabolic.

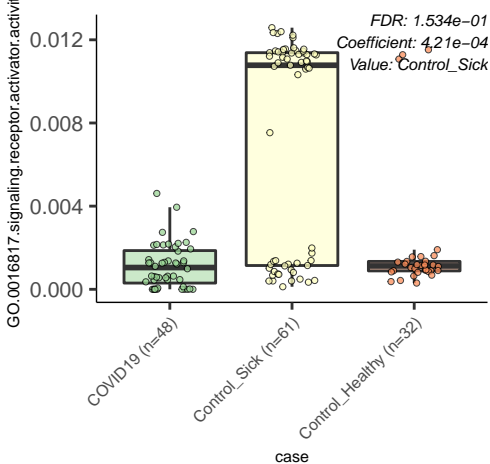


GO.1901564.organonitrogen.compound.metabolic.p

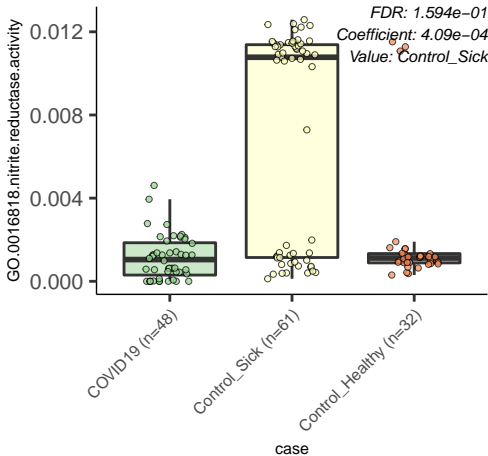




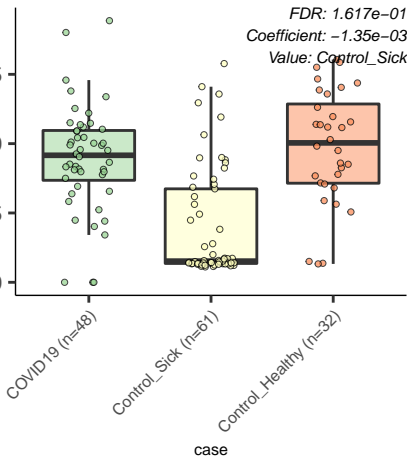


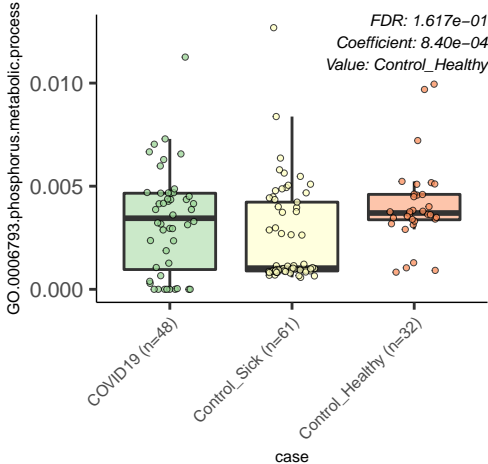


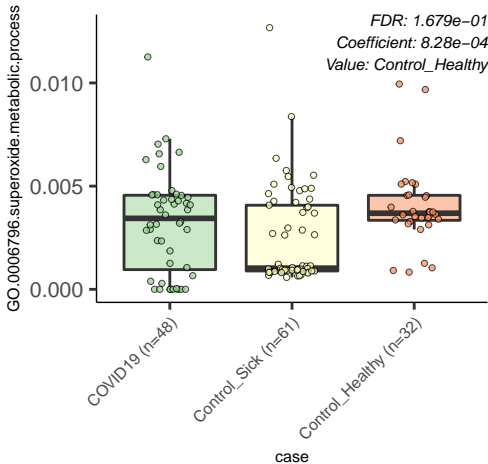




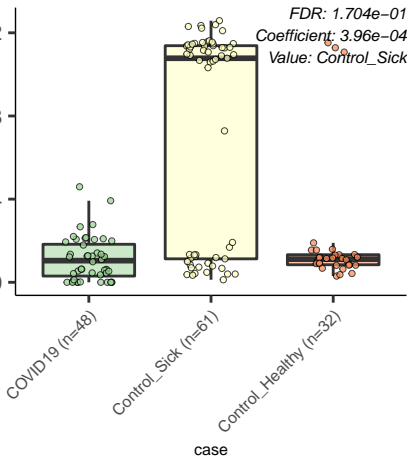
GO.0006725.cellular.aromatic.compound.metabolic.

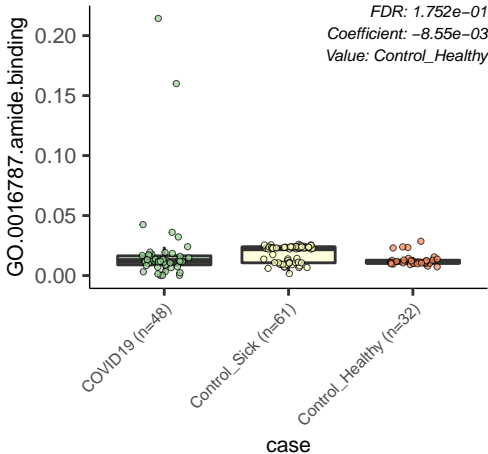


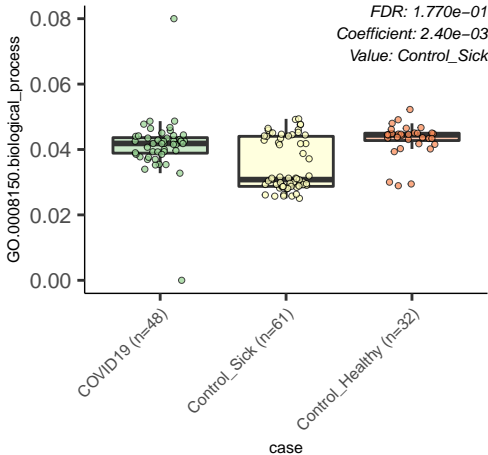


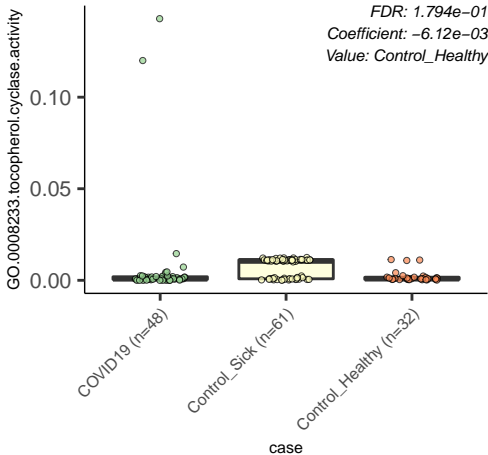


GO.0016462.RNA.polymerase.III.general.transcription.initiation

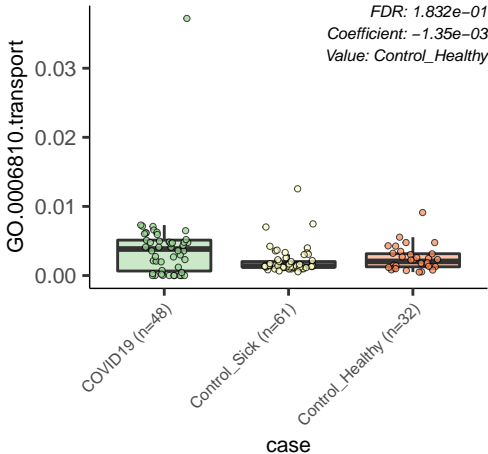


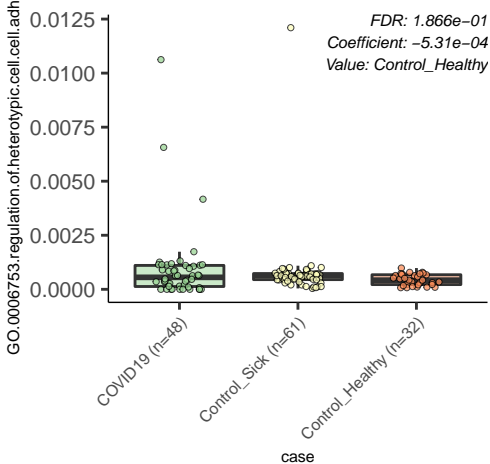


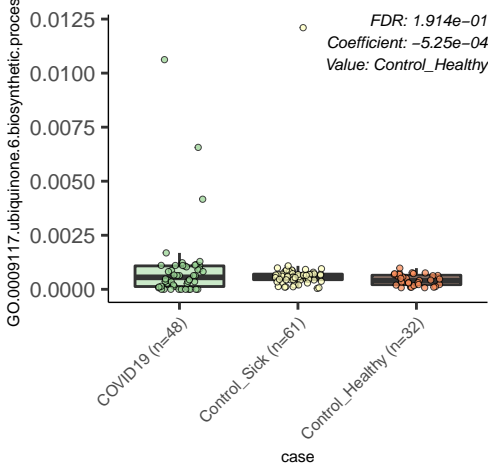






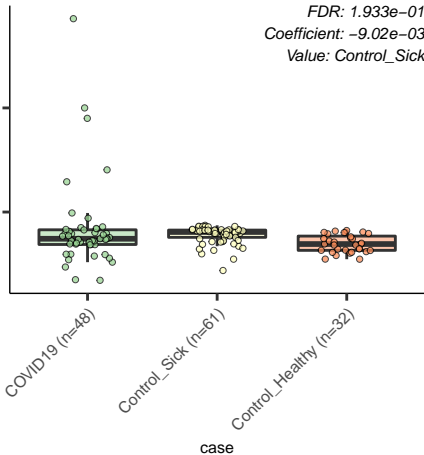


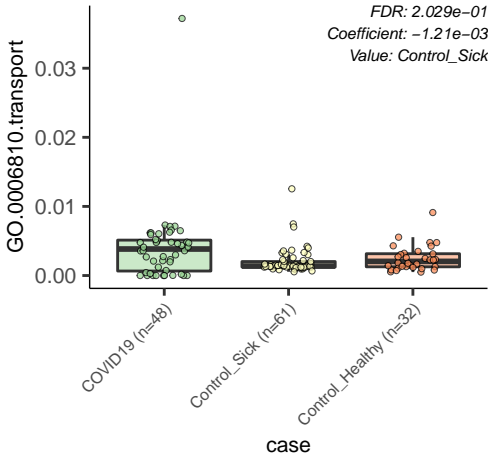


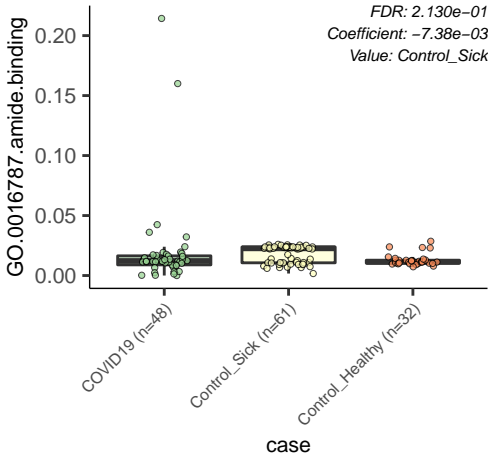


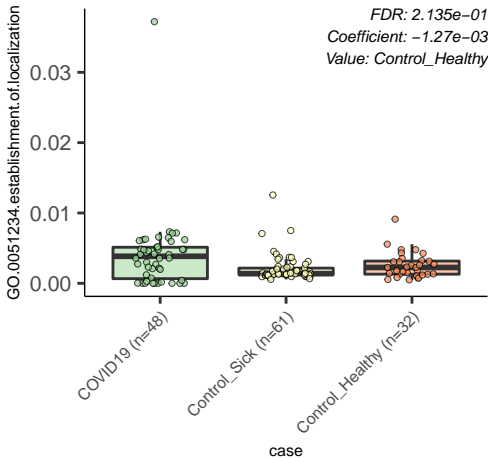
GO.0003674.energy.transducer.activity

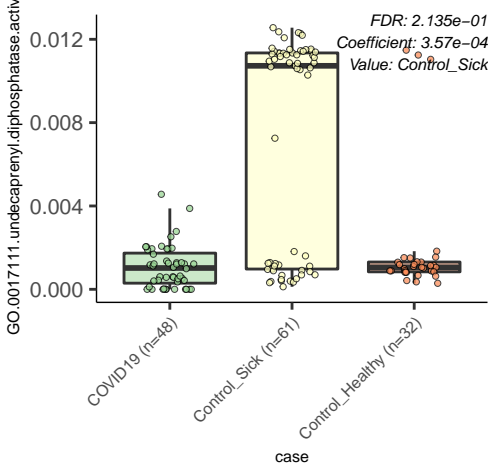
FDR: 1.933e-01  
Coefficient: -9.02e-03  
Value: Control\_Sick











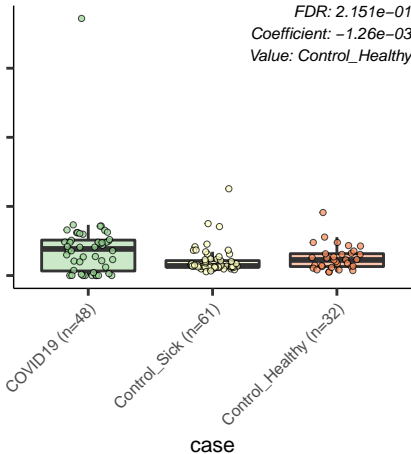


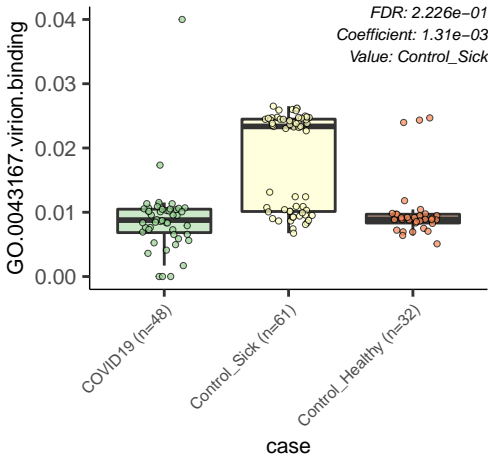
GO.0051179.localization

FDR: 2.151e-01

Coefficient: -1.26e-03

Value: Control\_Healthy





GO.0140096.laminin.binding

FDR: 2.334e-01  
Coefficient: -5.37e-03  
Value: Control\_Healthy

