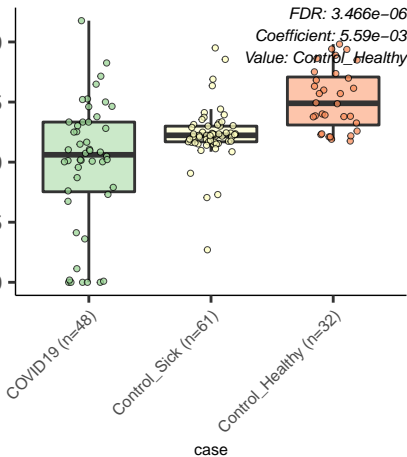
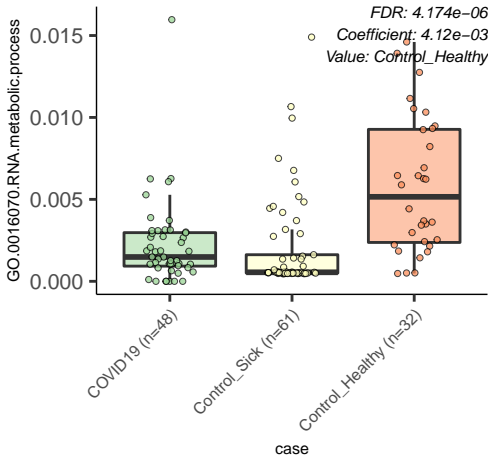
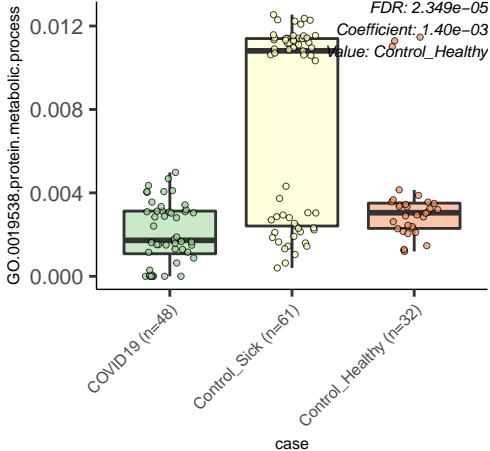
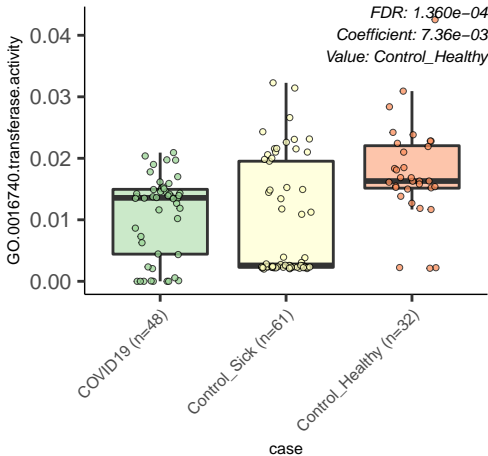


GO.0043170.macroscopic.metabolic.process









GO.0043168.anion.binding

FDR: 1.360e-04

Coefficient: 1.86e-03

Value: Control_Healthy

0.010

0.005

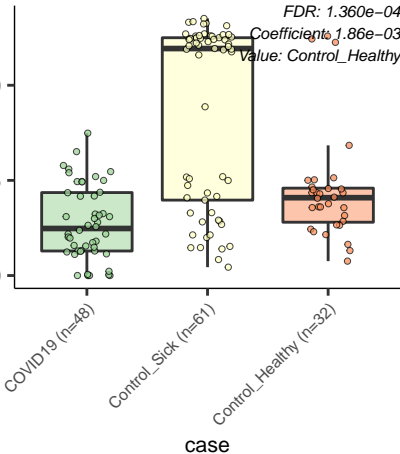
0.000

COVID19 (n=48)

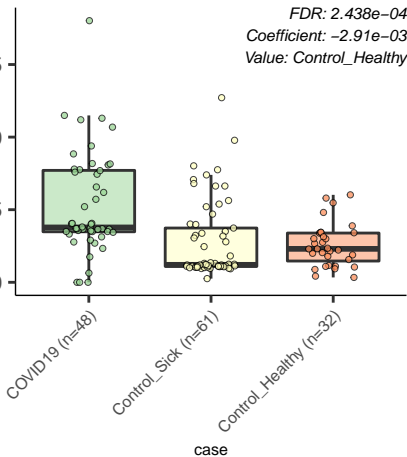
Control_Sick (n=61)

Control_Healthy (n=32)

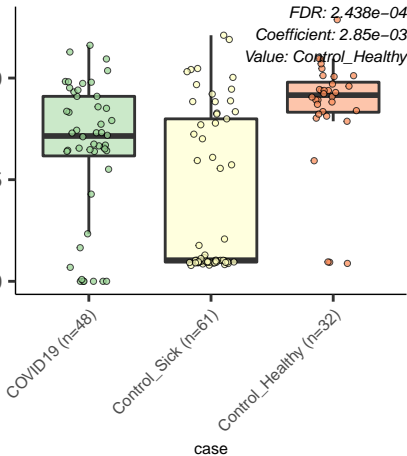
case

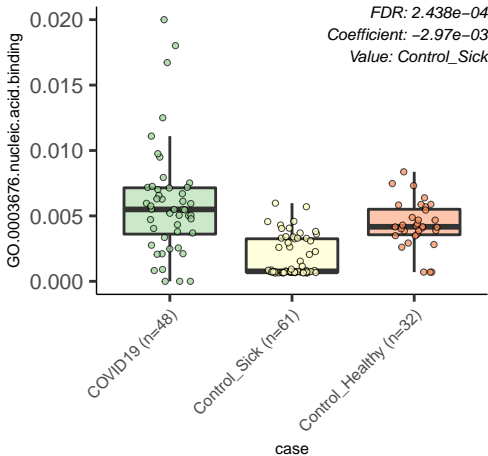


GO.1901362.organic.cyclic.compound.biosynthetic.p



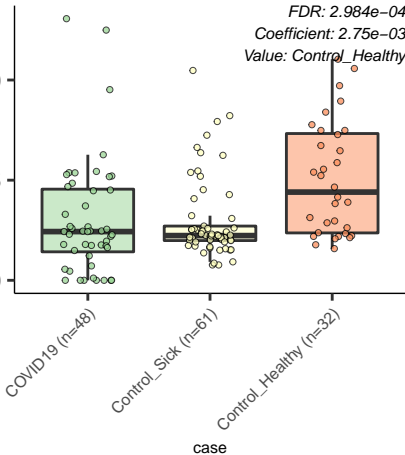
GO.0044260.cellular.macromolecule.metabolic.pro

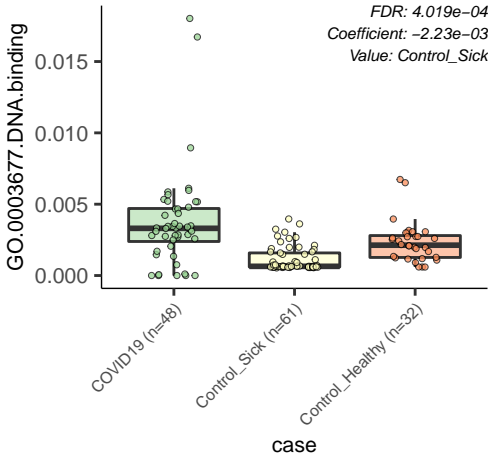




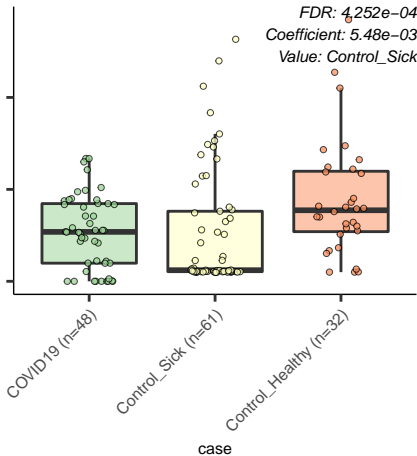
GO.0065007.biological.regulation

FDR: 2.984e-04
Coefficient: 2.75e-03
Value: Control_Healthy

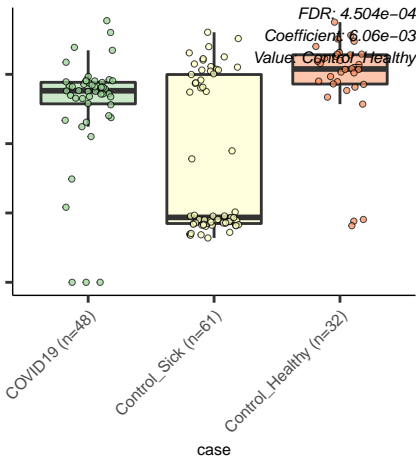


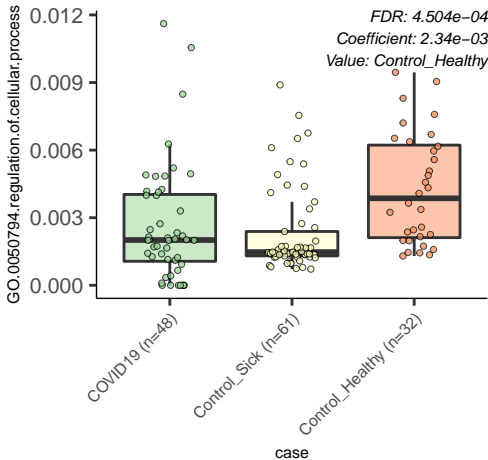


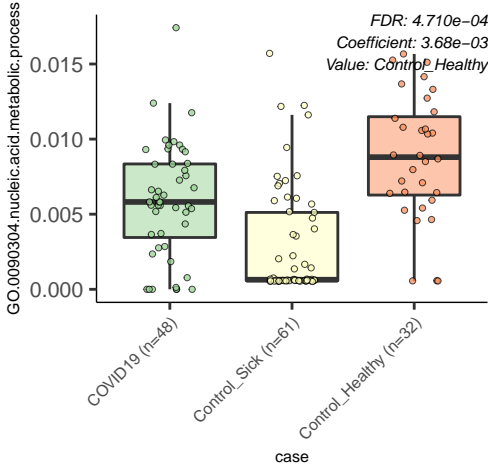
GO.0016772.transferring.phosphorus.co

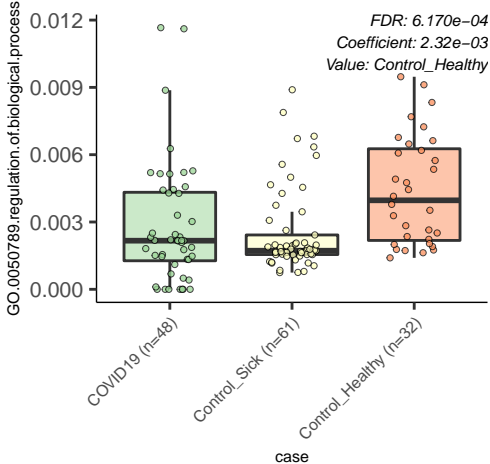


GO.0009987.cellular.process

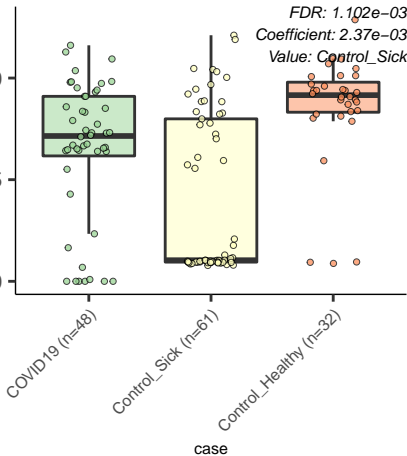


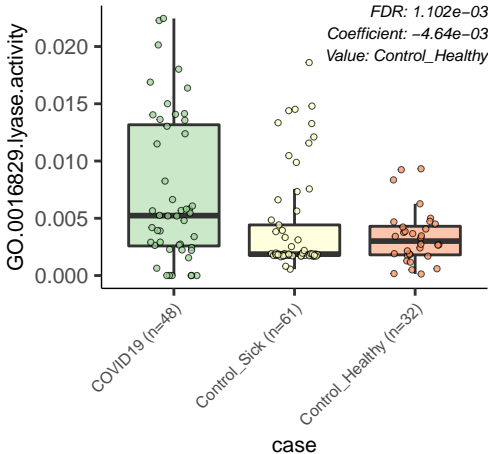


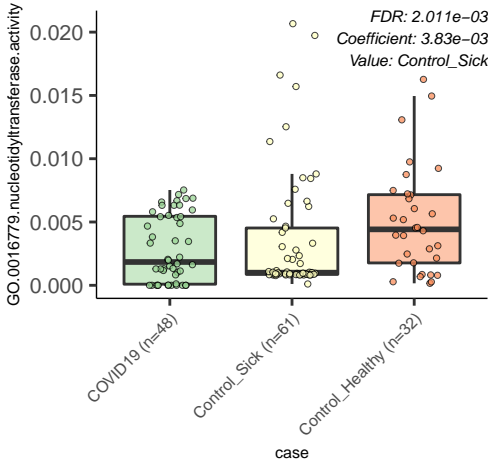




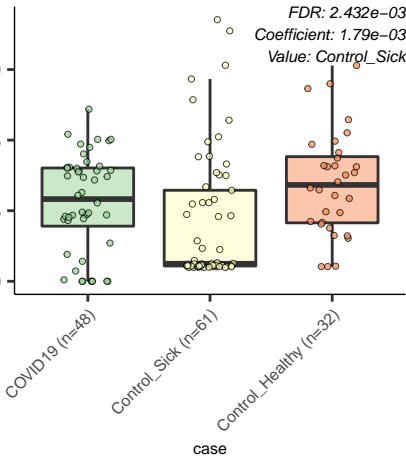
GO.0044260.cellular.macromolecule.metabolic.pro



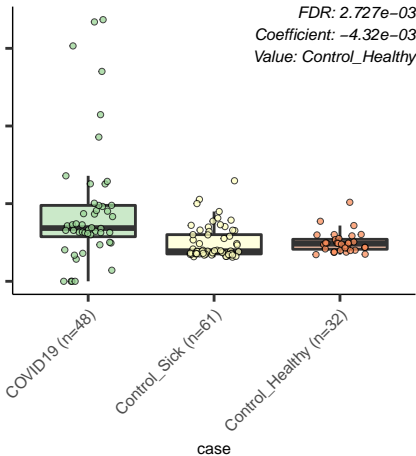




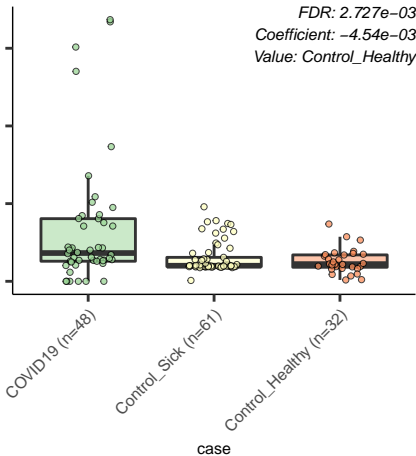
GO.0034645.cellular.macromolecule.biosynthetic.p



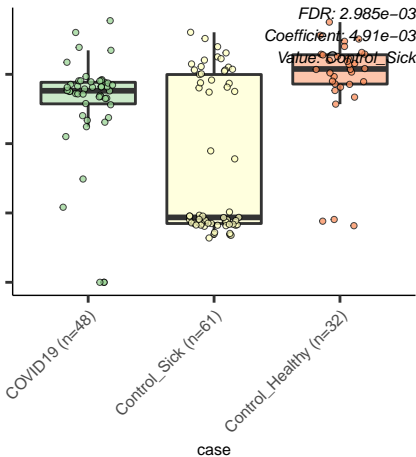
GO.0044281.small.molecule.metabolic.process



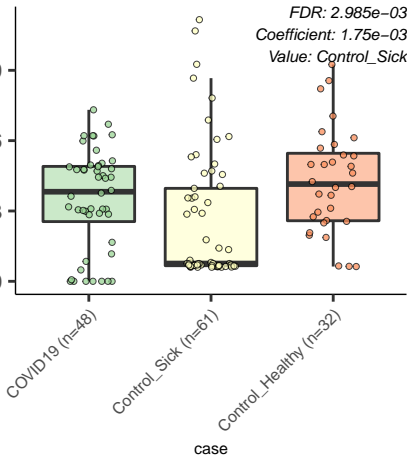
GO.0044283.small.molecule.biosynthetic.proce



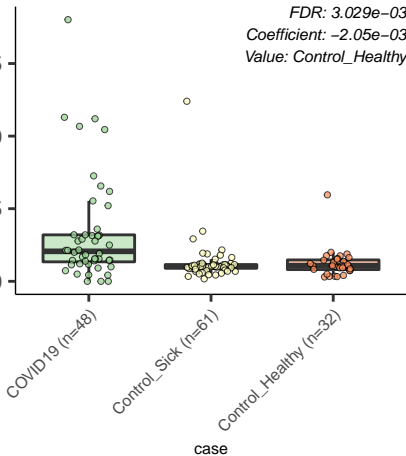
GO.0009987.cellular.process



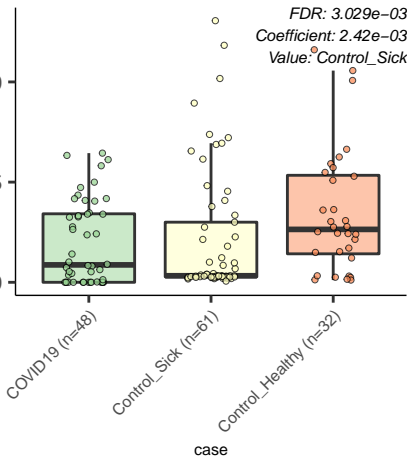
GO.0009059.macro-molecule.biosynthetic.proce



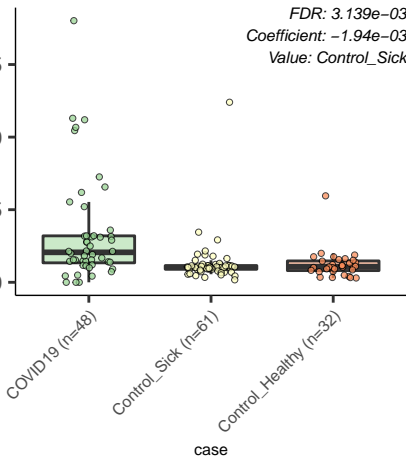
GO.0019438.aromatic.compound.biosynthetic.pro

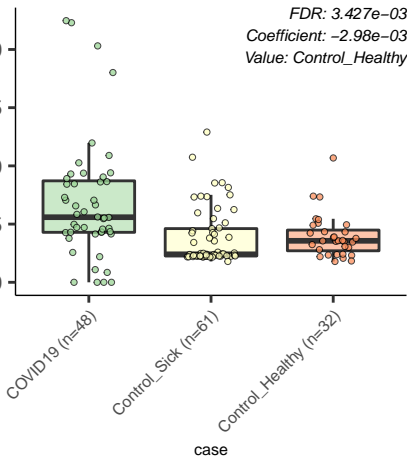


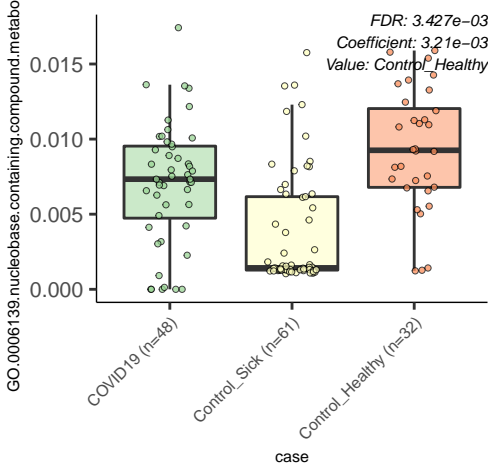
GO.0044262.cellular.carbohydrate.metabolic.pro



GO.0019438.aromatic.compound.biosynthetic.pro







GO.0043168.anion.binding

FDR: 3.578e-03

Coefficient: 1.31e-03

Value: Control_Sick

0.010

0.005

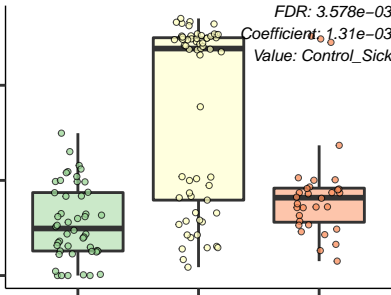
0.000

COVID19 (n=48)

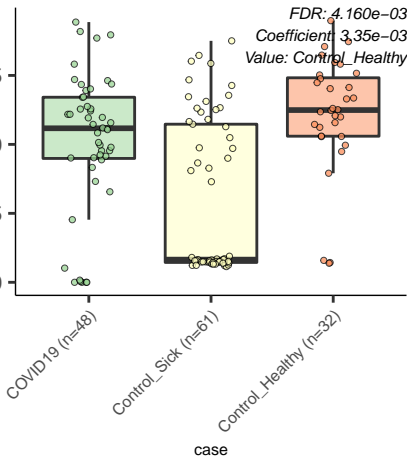
Control_Sick (n=61)

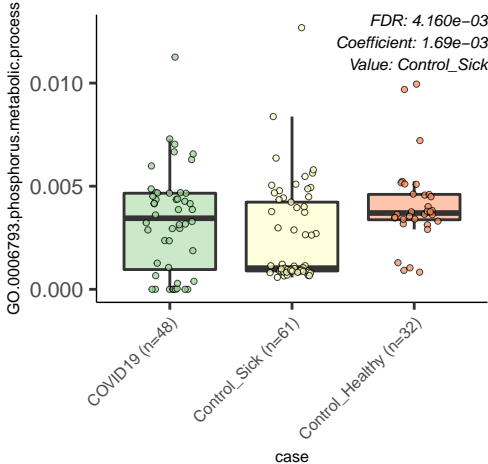
Control_Healthy (n=32)

case

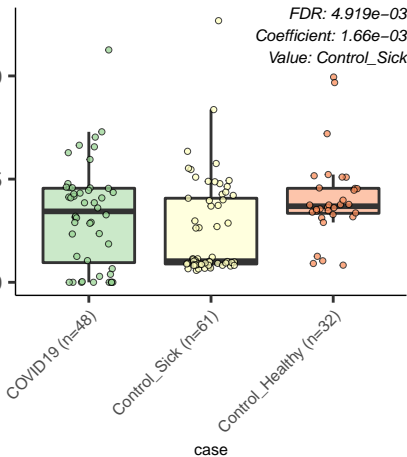


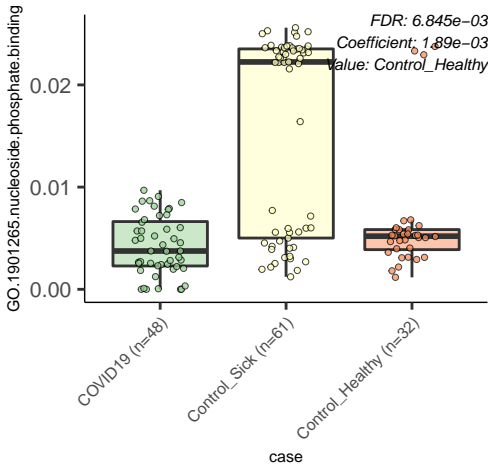
GO.0034641.cellular.nitrogen.compound.metabolic.p

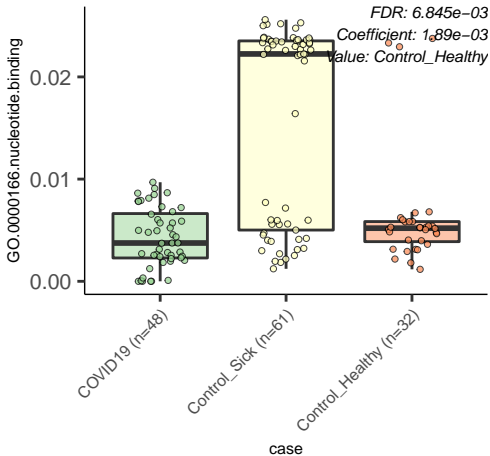




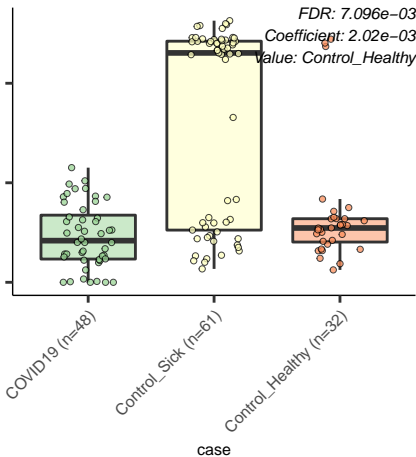
GO.0006796.phosphate.containing.compound.metabo





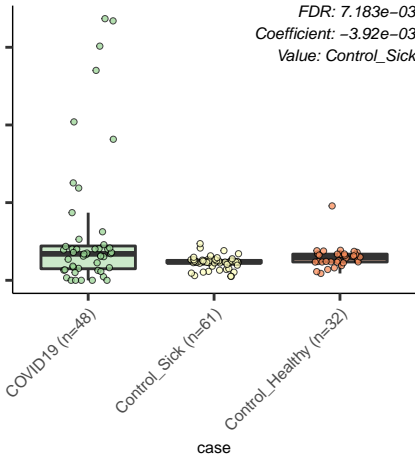


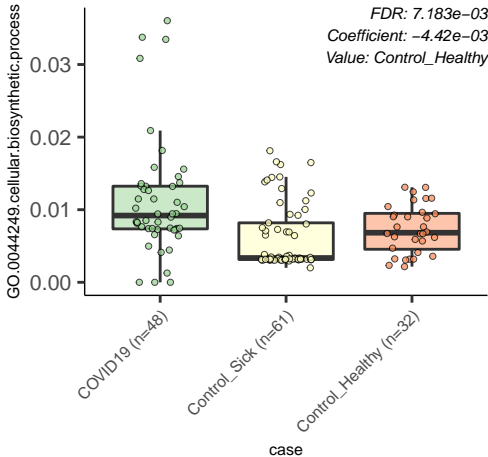
GO.0036094.small.molecule.binding



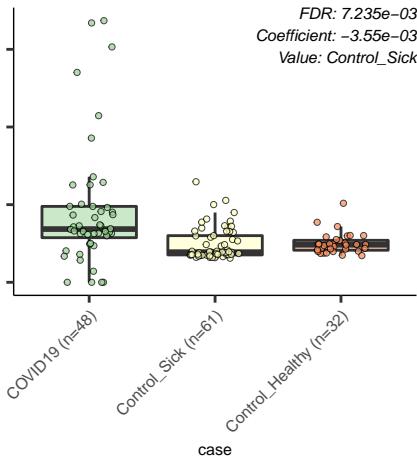
GO.0006082.organic.acid.metabolic.process

FDR: 7.183e-03
Coefficient: -3.92e-03
Value: Control_Sick

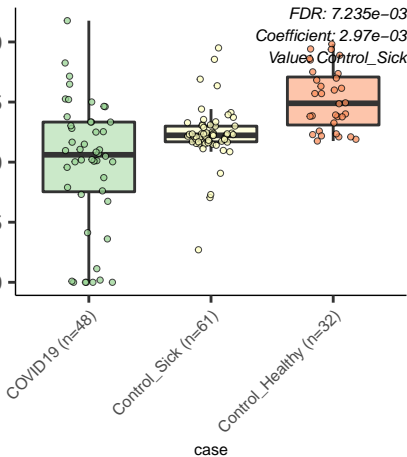




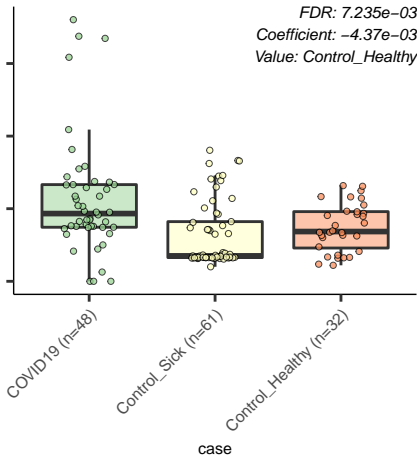
GO.0044281.small.molecule.metabolic.process

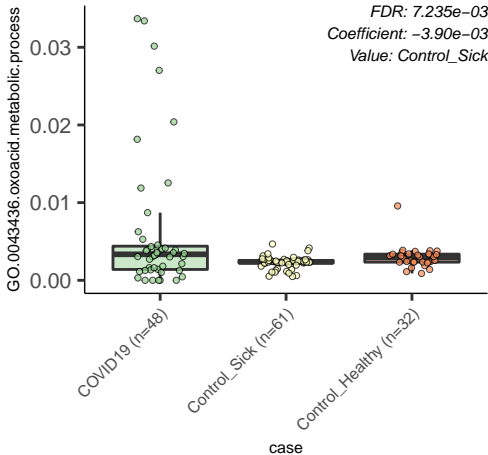


GO.0043170.macro.molecule.metabolic.process

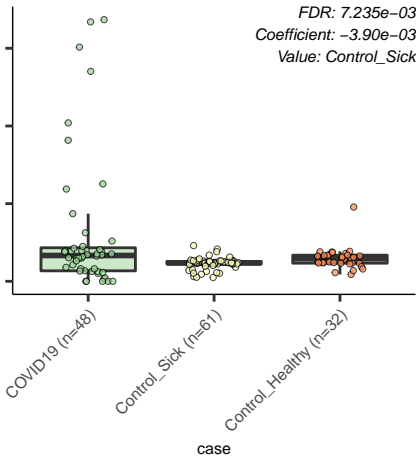


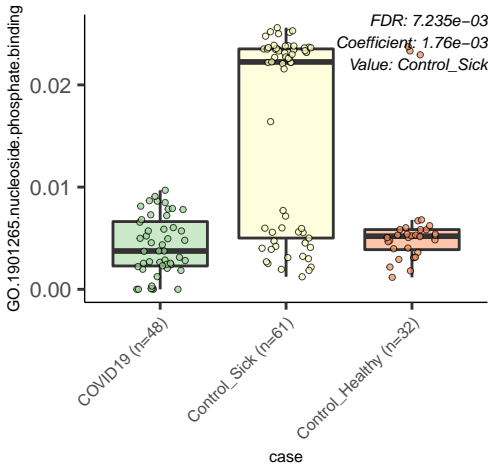
GO.1901576.organic.substance.biosynthetic.pro

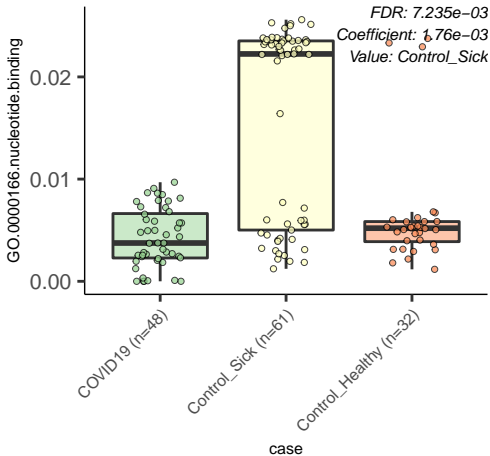


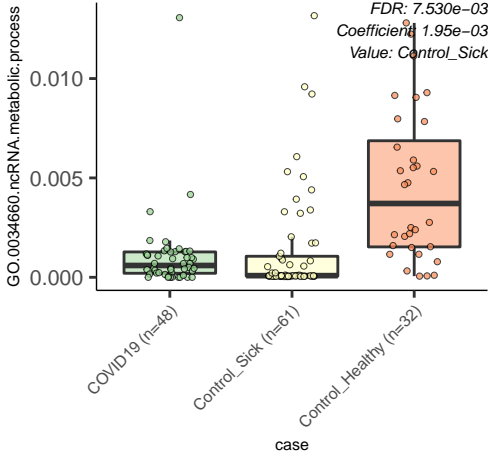


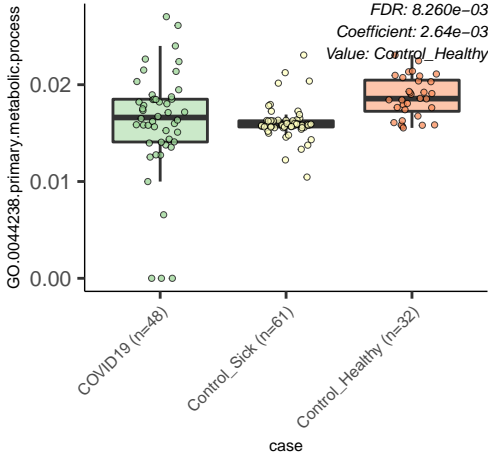
GO.0019752.carboxylic.acid.metabolic.process

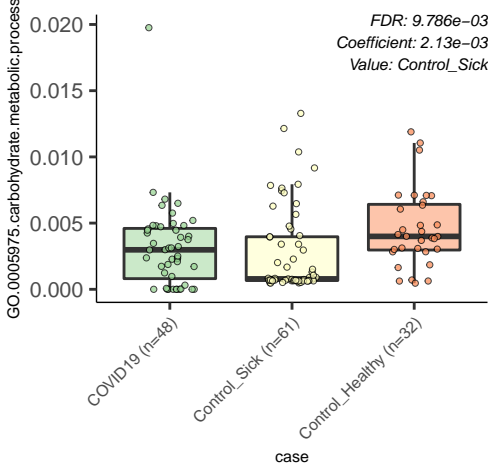


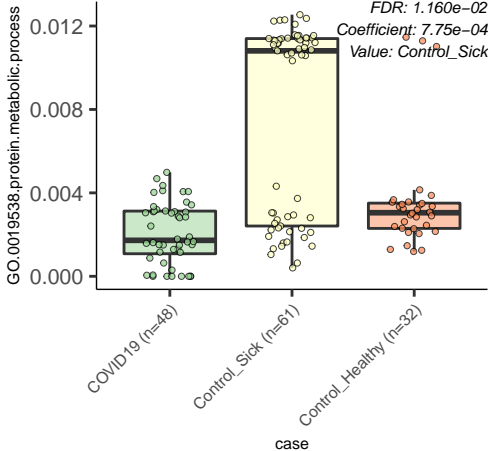


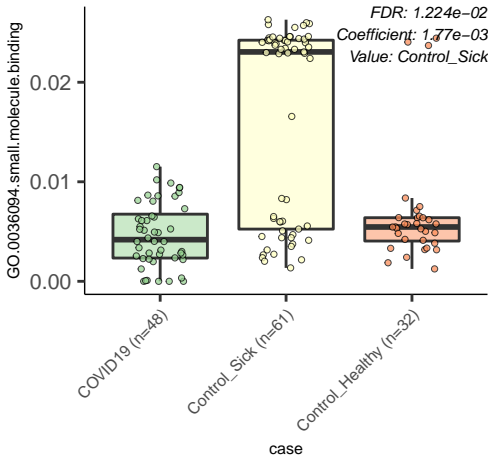




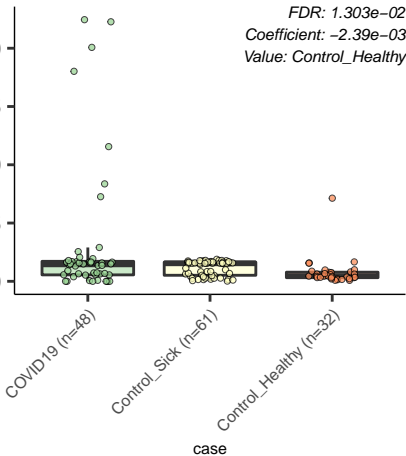


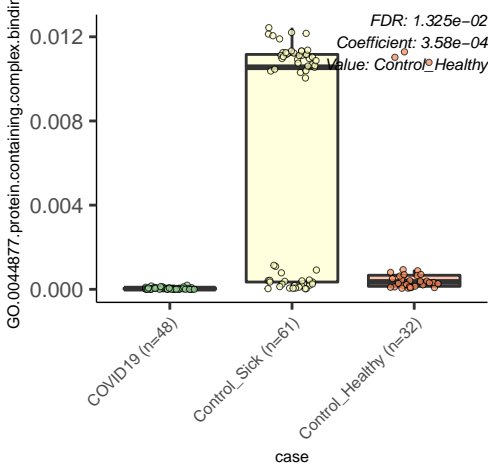


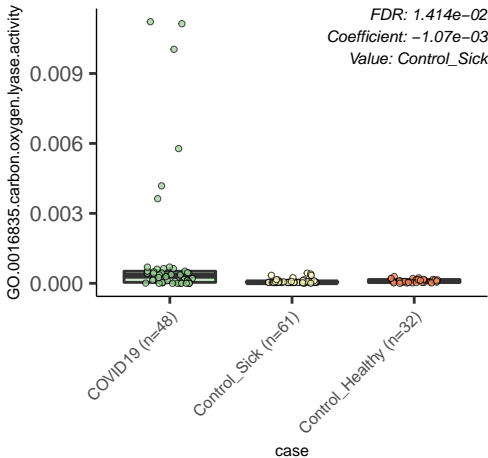




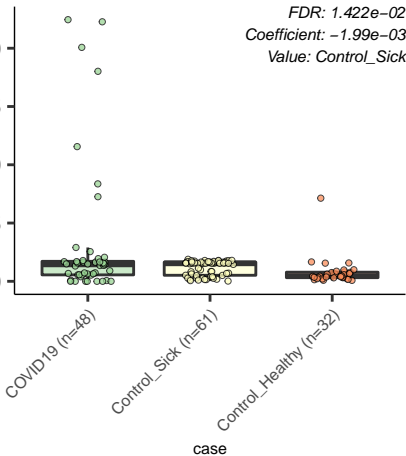
GO.0008652.cellular.amino.acid.biosynthetic.pro



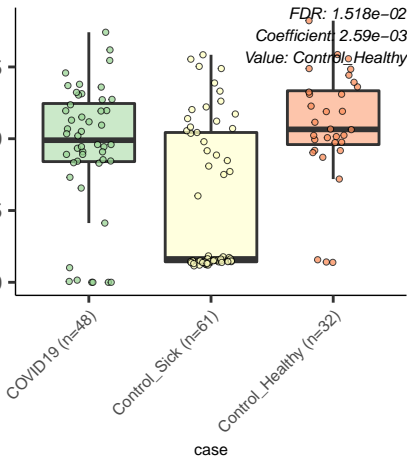


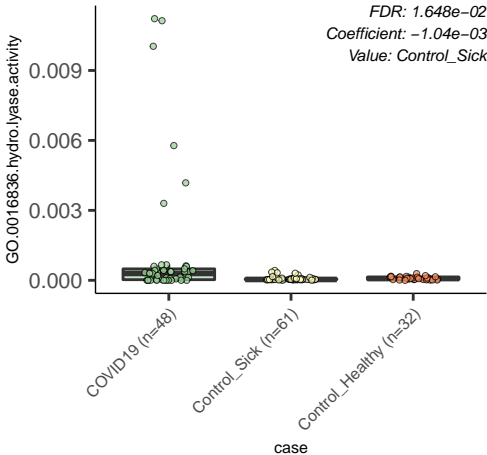


GO.0008652.cellular.amino.acid.biosynthetic.pro

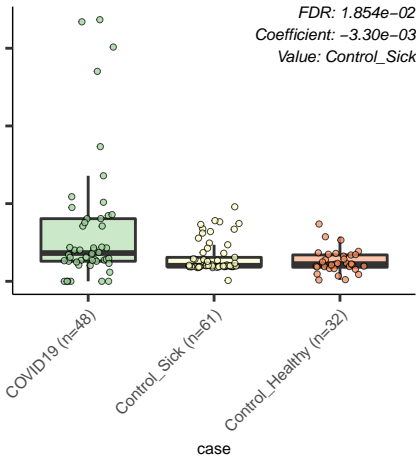


GO.0046483.heterocycle.metabolic.process





GO.0044283.small.molecule.biosynthetic.proce

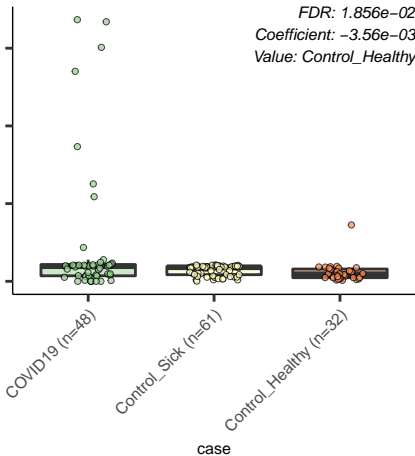


GO.0016053.organic.acid.biosynthetic.proces

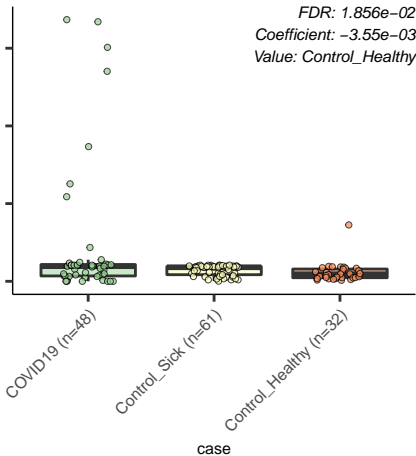
FDR: 1.856e-02

Coefficient: $-3.56e-03$

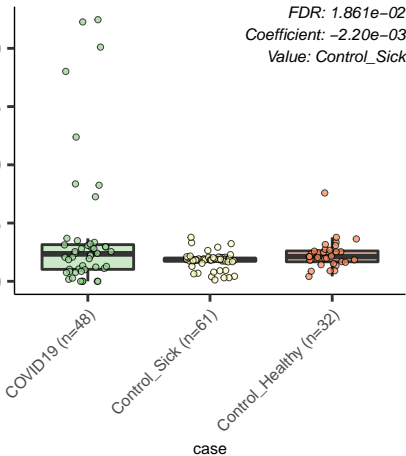
Value: Control_Healthy

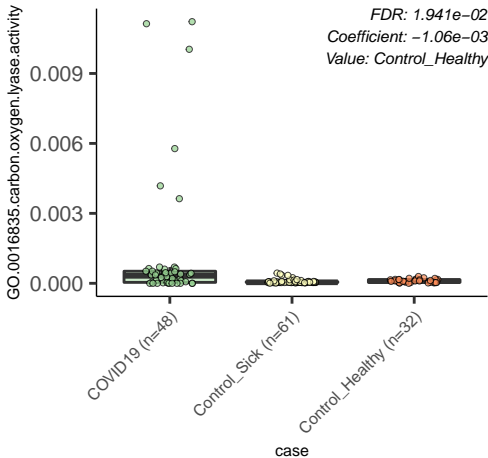


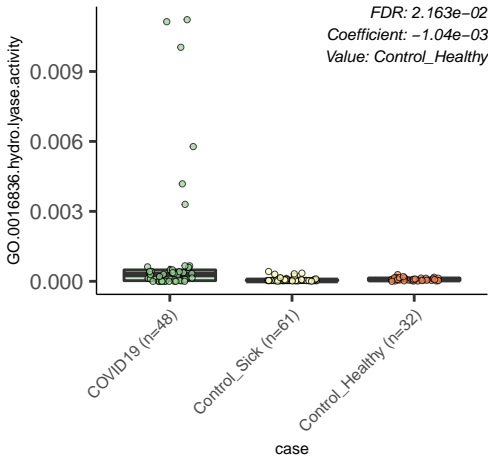
GO.0046394.carboxylic.acid.biosynthetic.proce

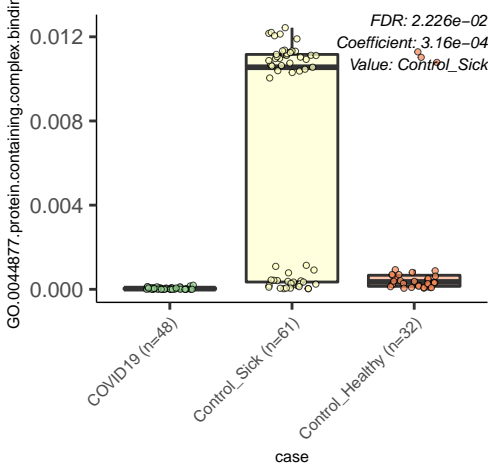


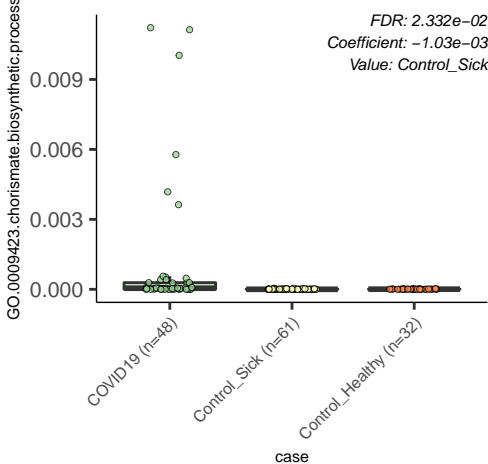
GO.0006520.cellular.amino.acid.metabolic.proc

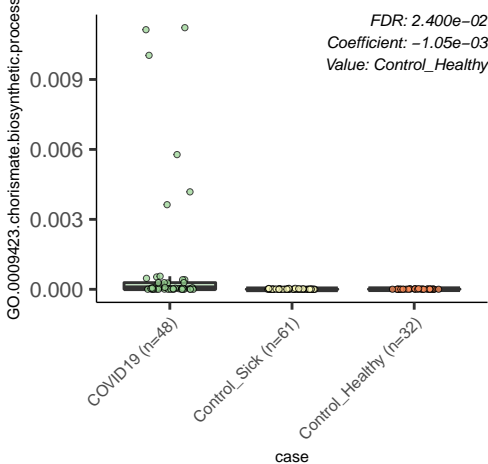


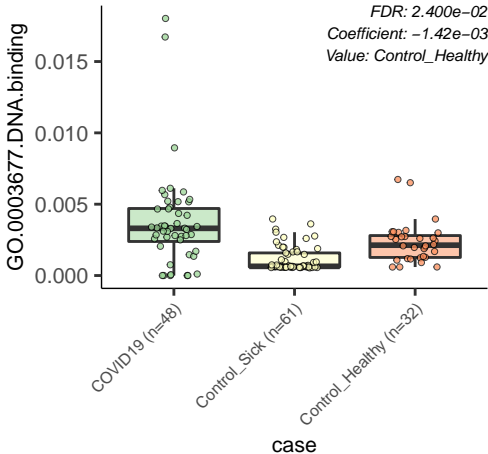


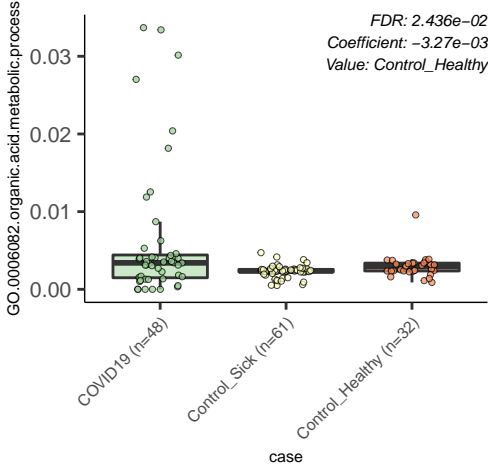


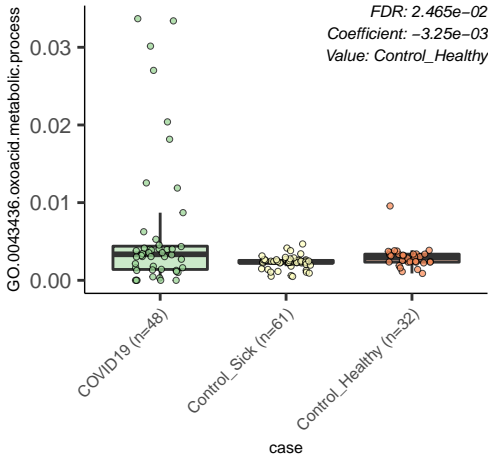




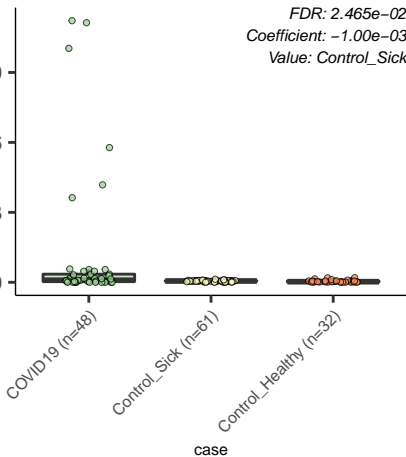




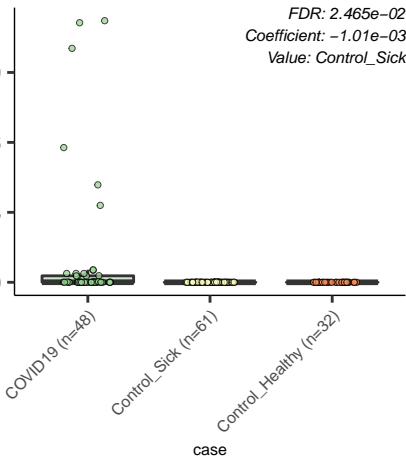




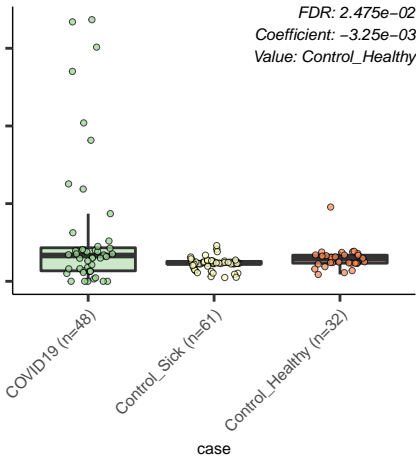
GO.0043650.dicarboxylic.acid.biosynthetic.proc



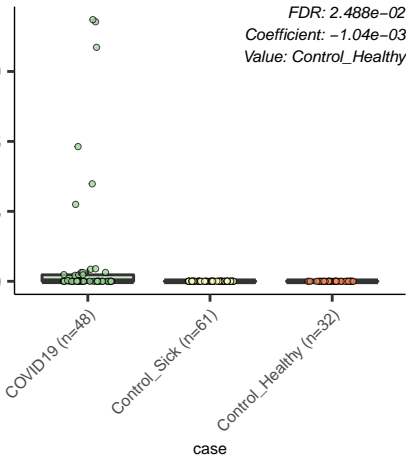
GO.0003855.3.dehydroquinase.dehydratase.acti



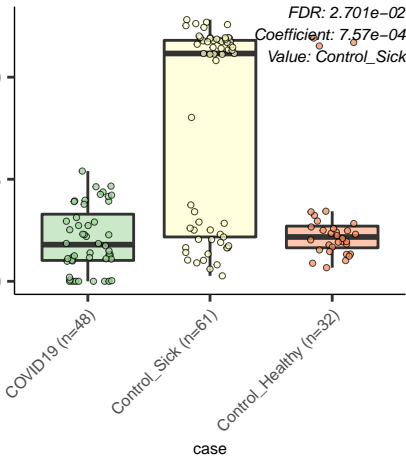
GO.0019752.carboxylic.acid.metabolic.process



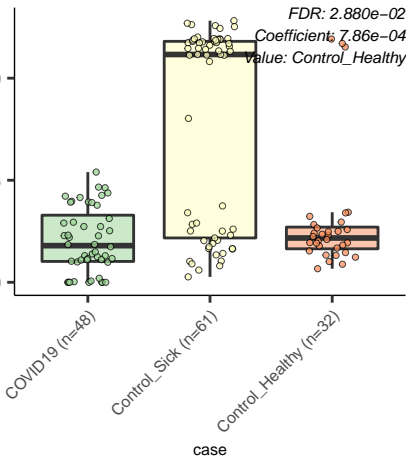
GO.0003855.3.dehydroquinase.dehydratase.acti

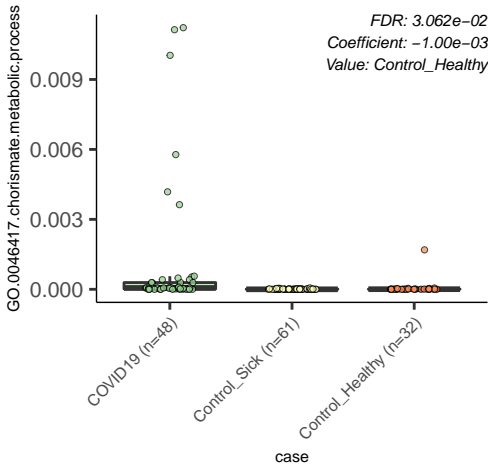


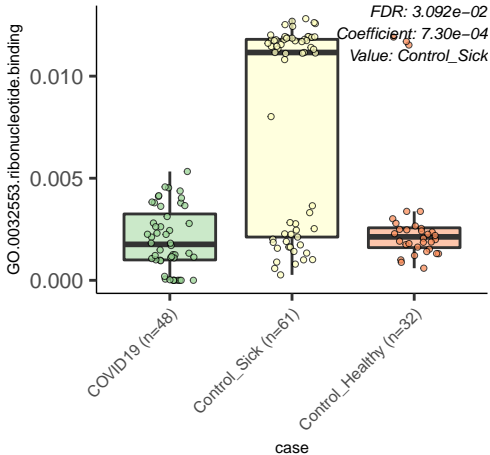
GO.0097367.carbohydrate.derivative.binding



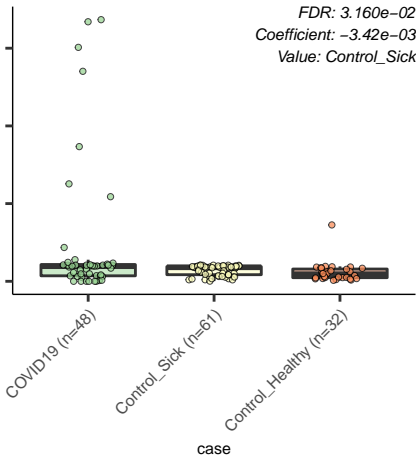
GO.0097367.carbohydrate.derivative.binding



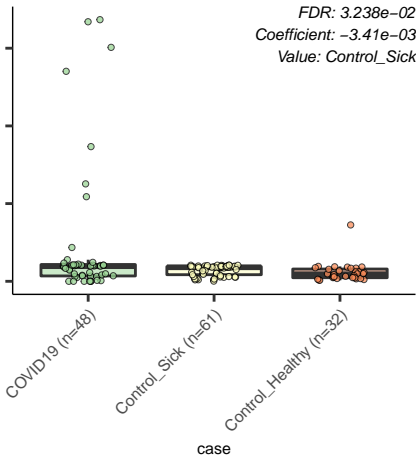




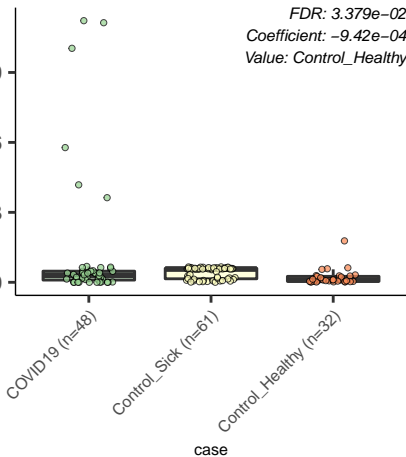
GO.0016053.organic.acid.biosynthetic.proces

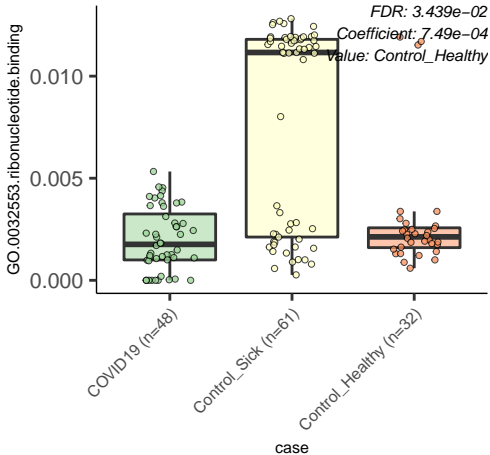


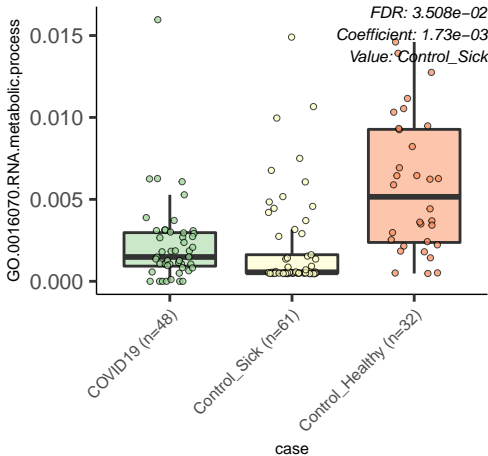
GO.0046394.carboxylic.acid.biosynthetic.proce



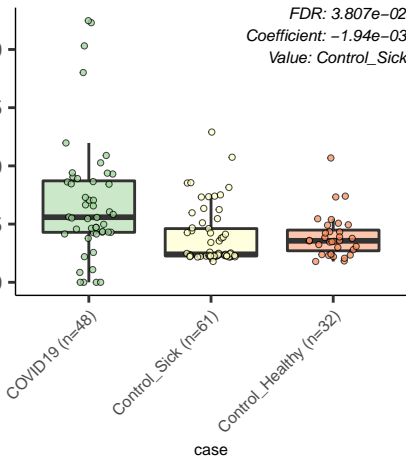
GO.0043648.dicarboxylic.acid.metabolic.proce

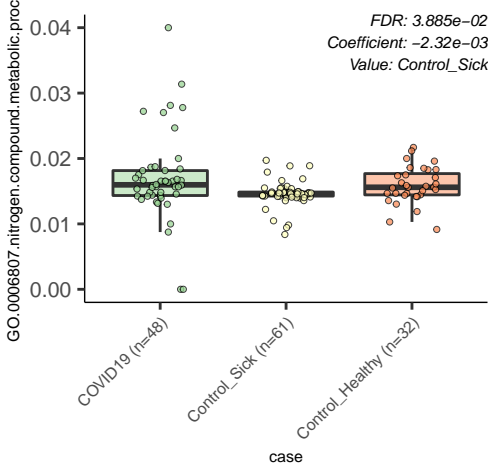


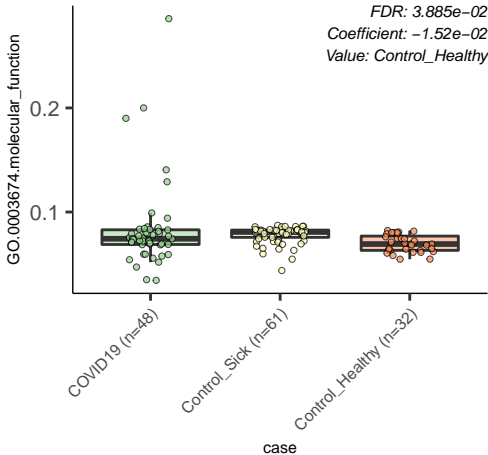




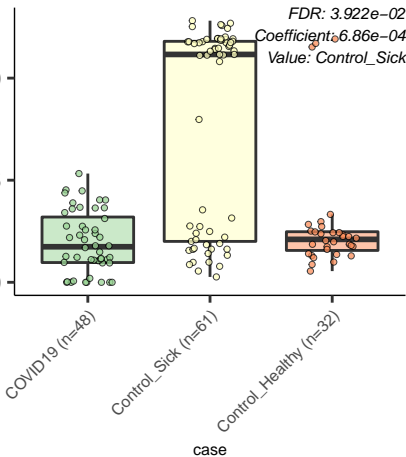
GO.1901566.organonitrogen.compound.biosynthetic

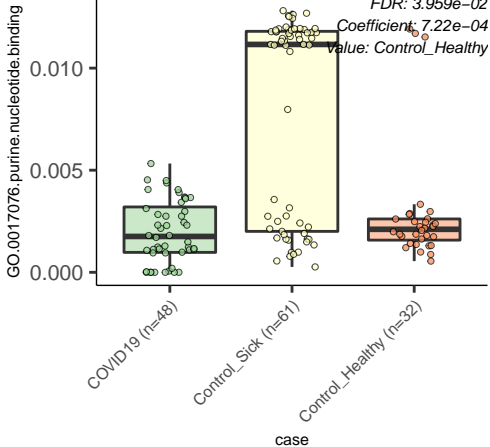


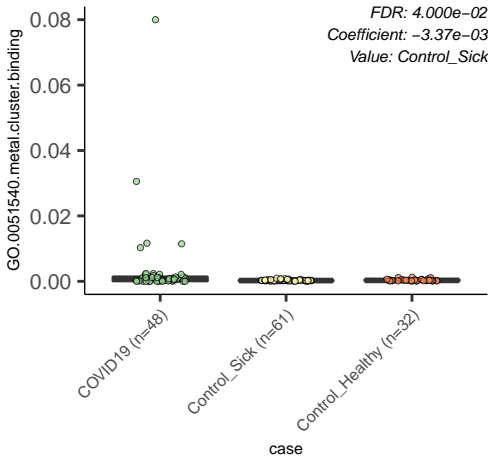


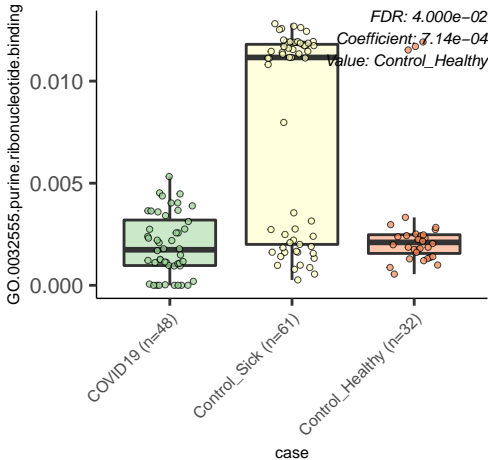


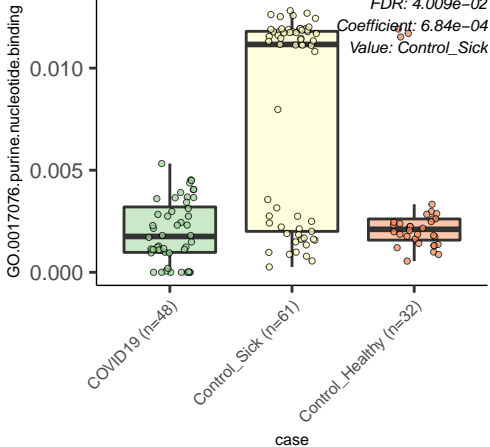
GO.0032555.purine.ribonucleotide.binding

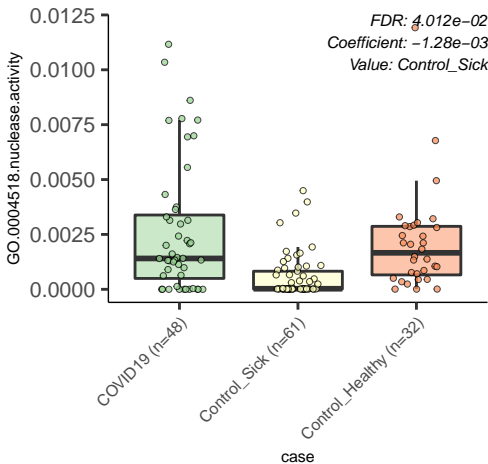


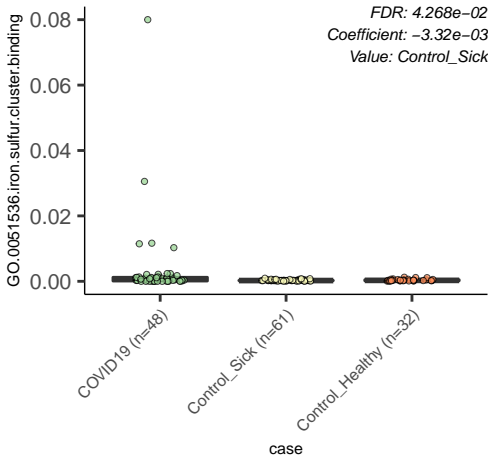




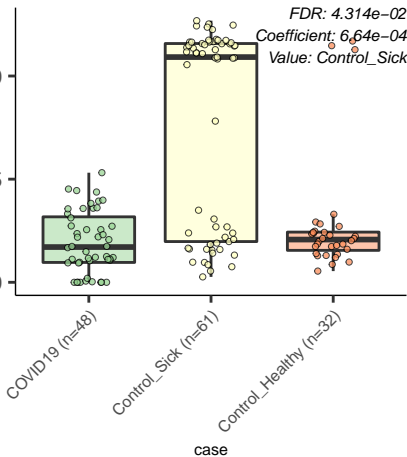


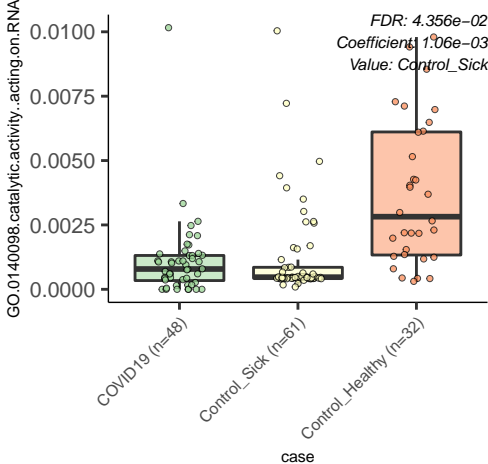




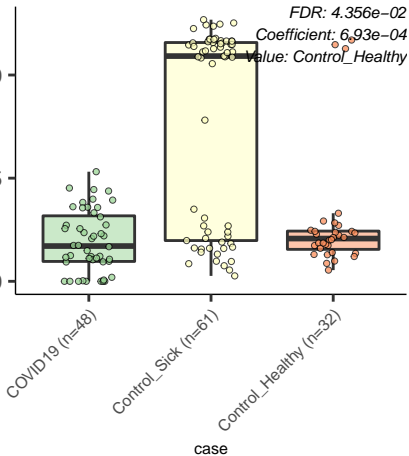


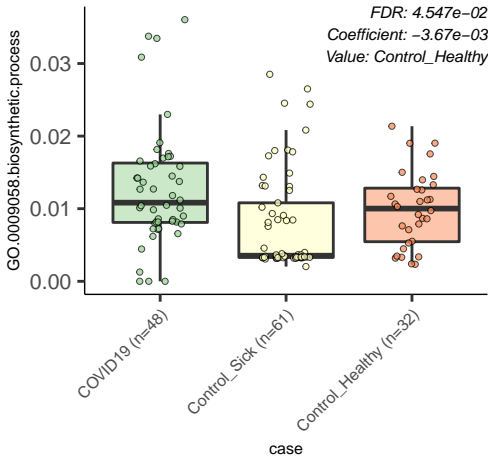
GO.0035639.purine.ribonucleoside.triphosphate.b

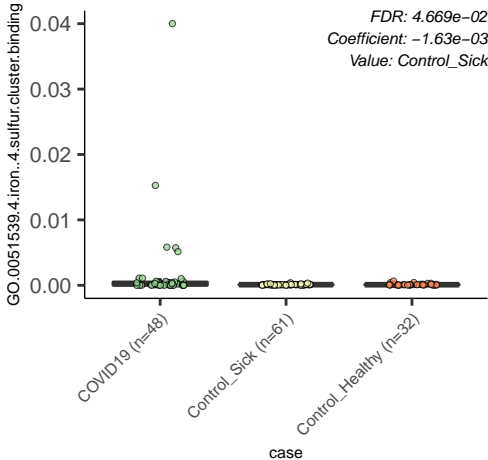




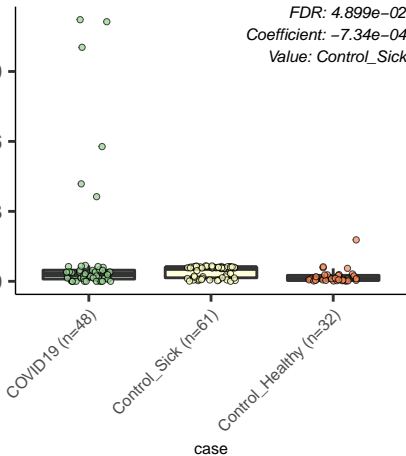
GO.0035639.purine.ribonucleoside.triphosphate.b



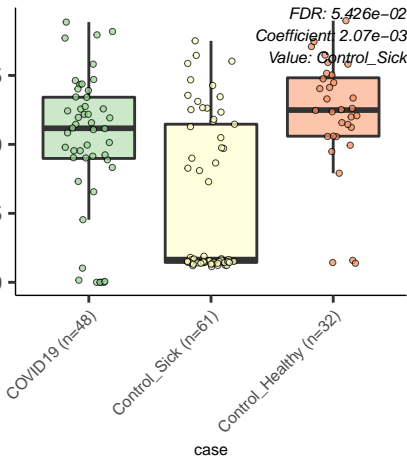




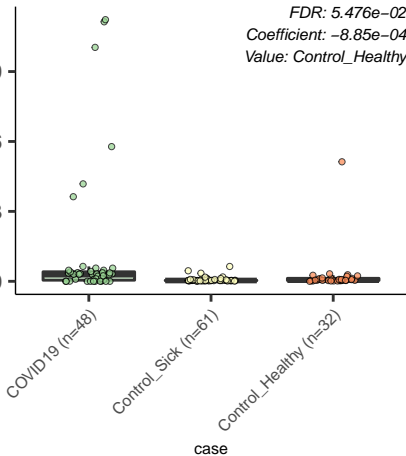
GO.0043648.dicarboxylic.acid.metabolic.proce



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



GO.0009072.aromatic.amino.acid.family.metabolic.p



GO.0009399.nitrogen.fixation

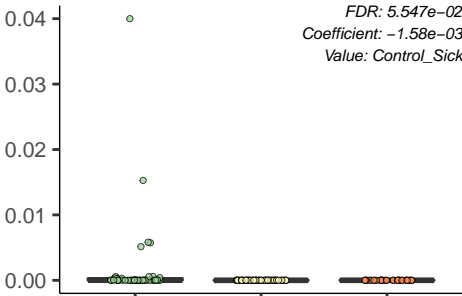
FDR: $5.547e-02$
Coefficient: $-1.58e-03$
Value: Control_Sick

COVID19 (n=48)

Control_Sick (n=61)

Control_Healthy (n=32)

case

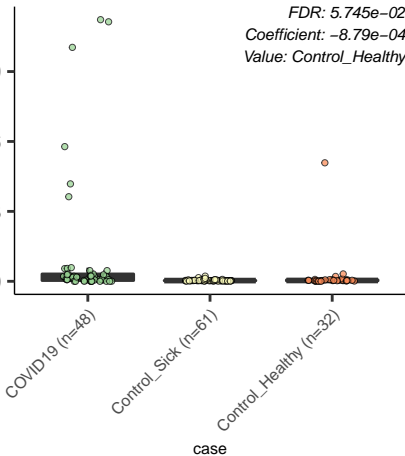


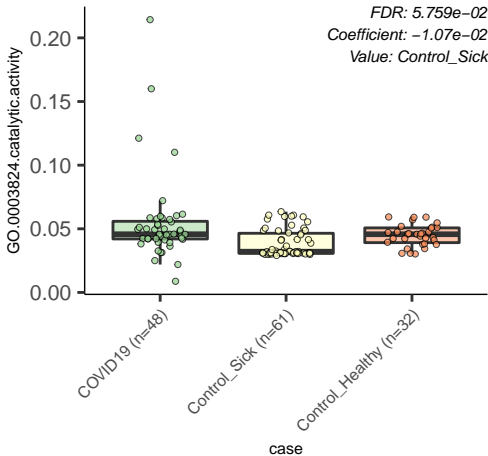
GO.0009073.aromatic.amino.acid.family.biosynthetic

FDR: 5.745e-02

Coefficient: $-8.79e-04$

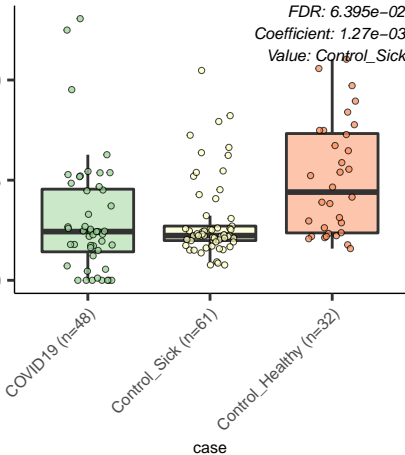
Value: Control_Healthy

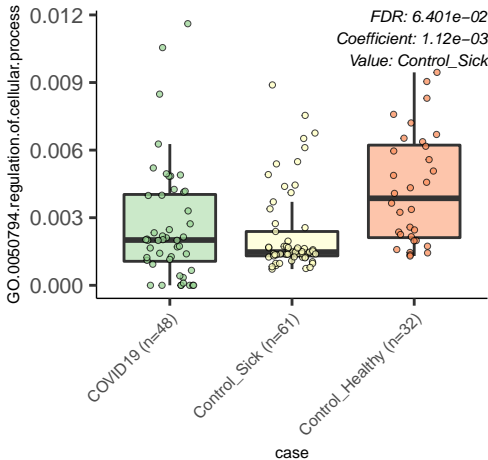


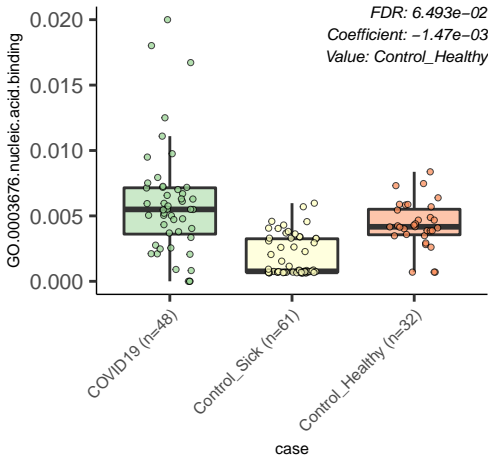


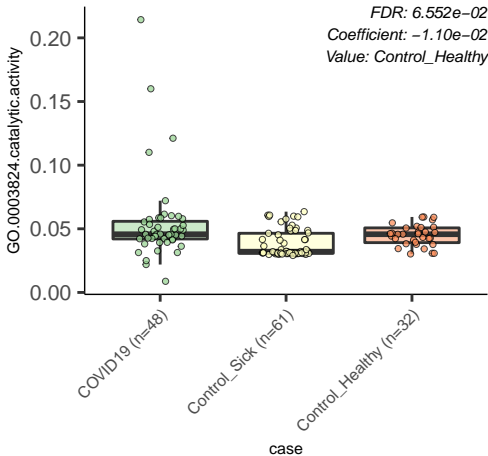
GO.0065007.biological.regulation

FDR: $6.395e-02$
Coefficient: $1.27e-03$
Value: Control_Sick

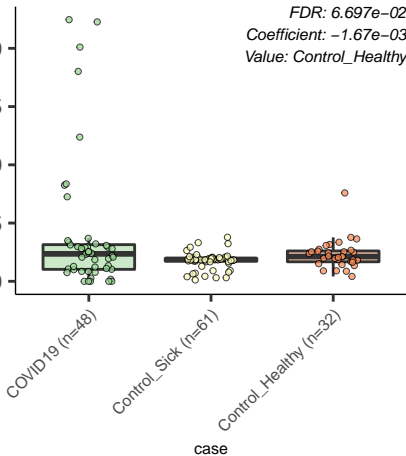




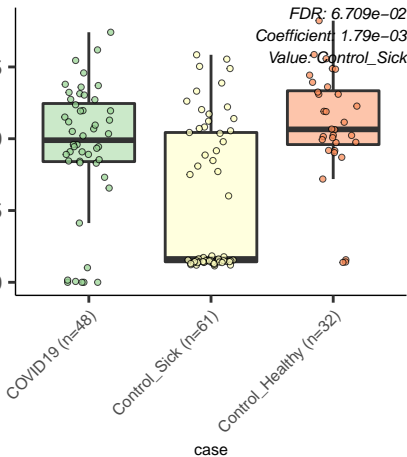


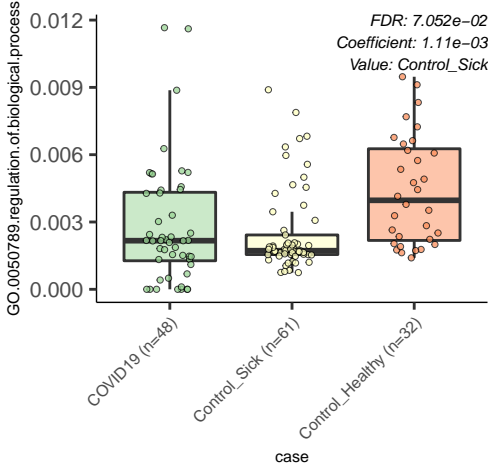


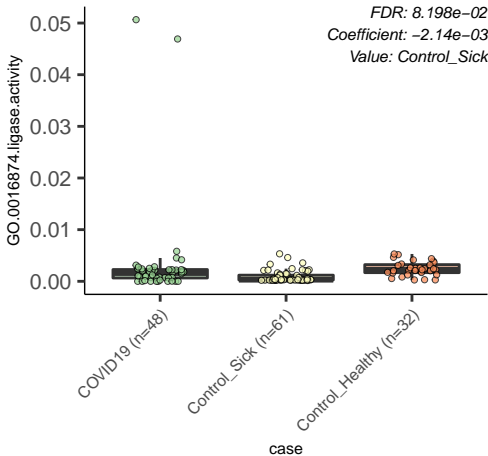
GO.0006520.cellular.amino.acid.metabolic.proc

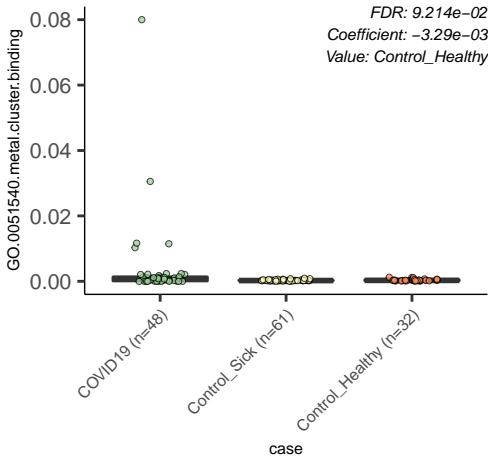


GO.0046483.heterocycle.metabolic.process

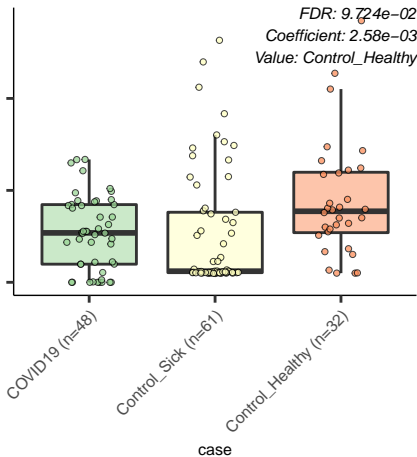


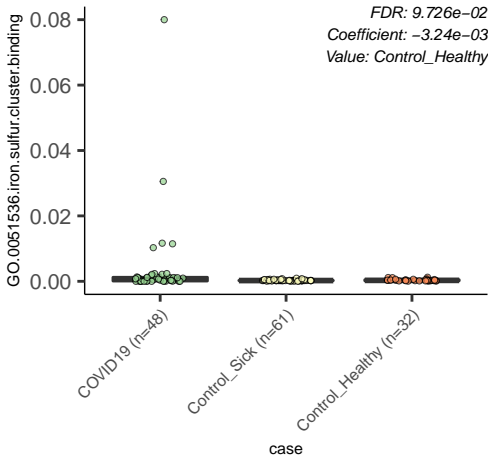


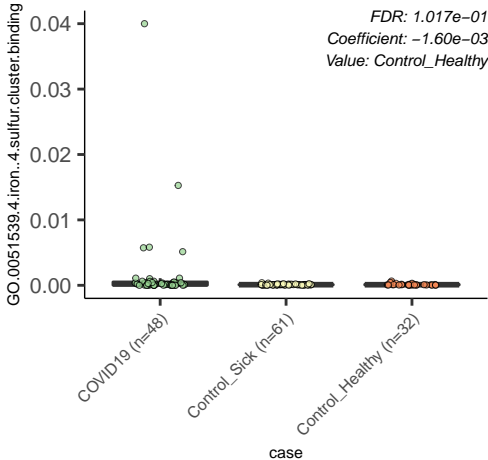


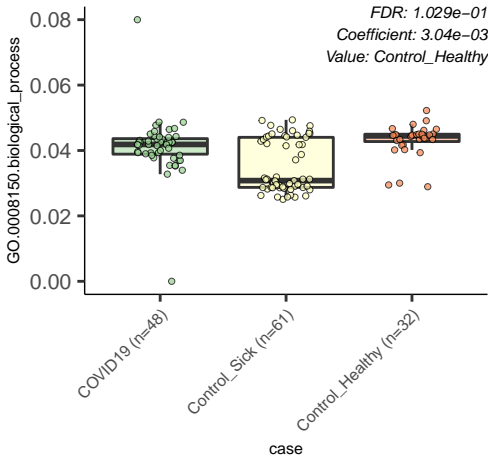


GO.0016772.transferrase.activity..transferring.phosphorus.co







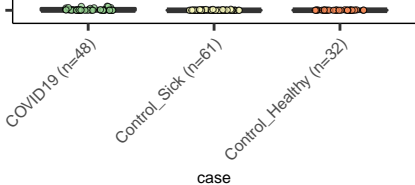


GO.0071941.nitrogen.cycle.metabolic.process

FDR: 1.091e-01

Coefficient: $-1.58e-03$

Value: Control_Healthy



GO.0009399.nitrogen.fixation

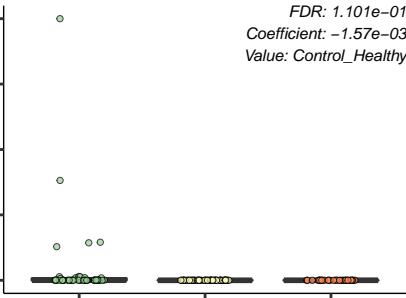
FDR: 1.101e-01
Coefficient: -1.57e-03
Value: Control_Healthy

COVID19 (n=48)

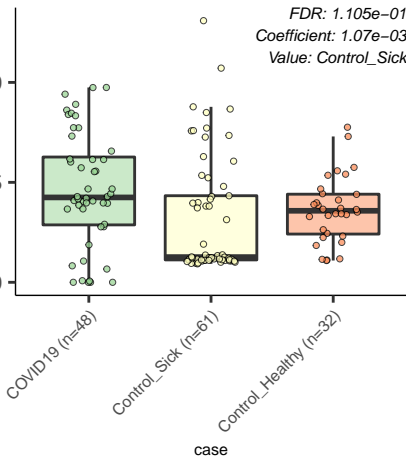
Control_Sick (n=61)

Control_Healthy (n=32)

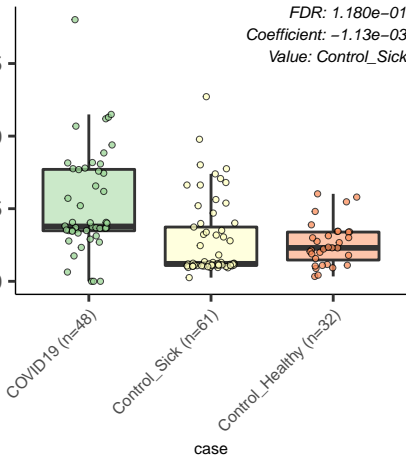
case

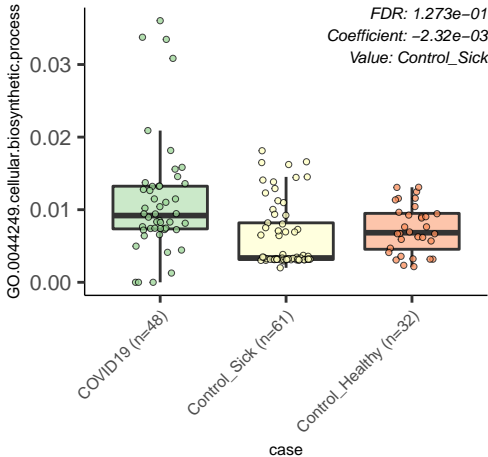


GO.0044271.cellular.nitrogen.compound.biosynthetic

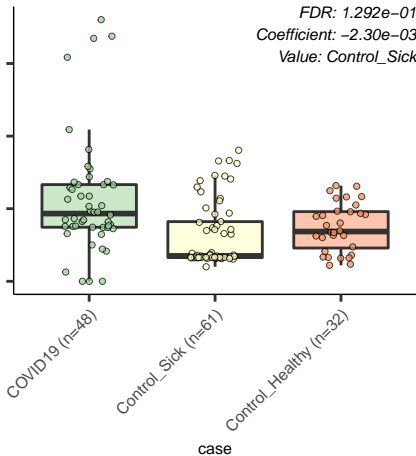


GO.1901362.organic.cyclic.compound.biosynthetic.p

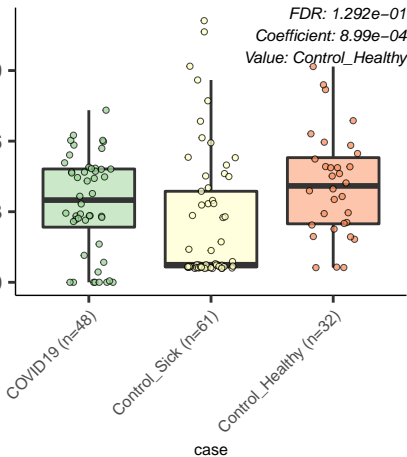




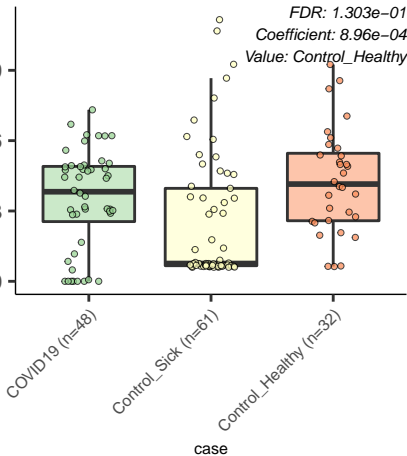
GO.1901576.organic.substance.biosynthetic.pro



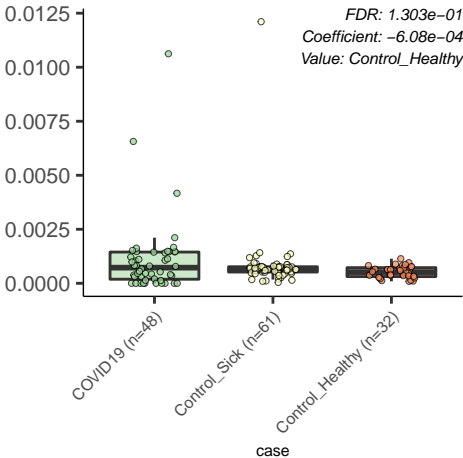
GO.0034645.cellular.macromolecule.biosynthetic.p



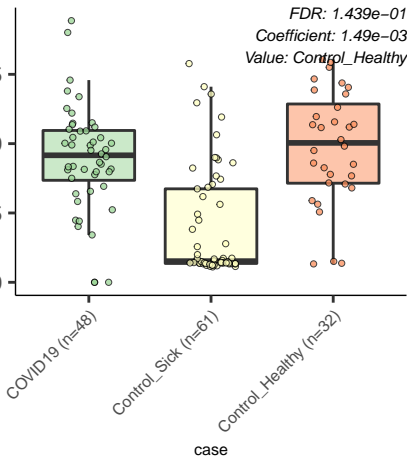
GO.0009059.macro-molecule.biosynthetic.proce

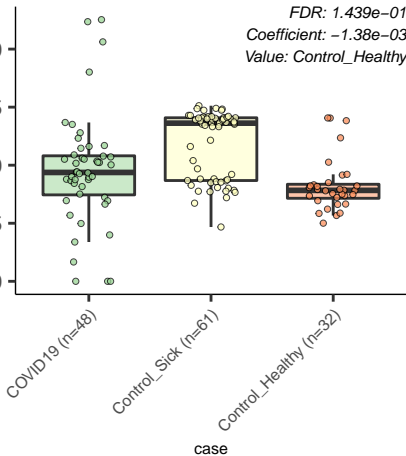


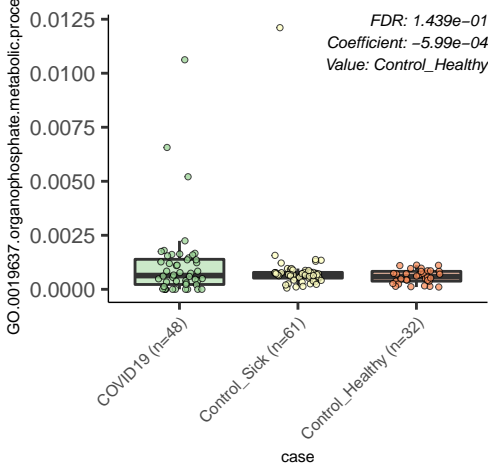
GO.0055086.nucleobase.containing.small.molecule.meta

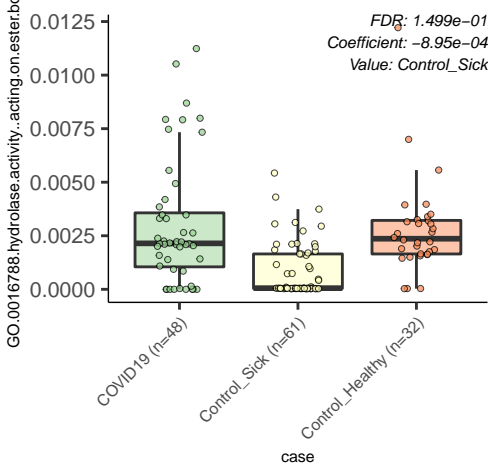


GO.0006725.cellular.aromatic.compound.metabolic.

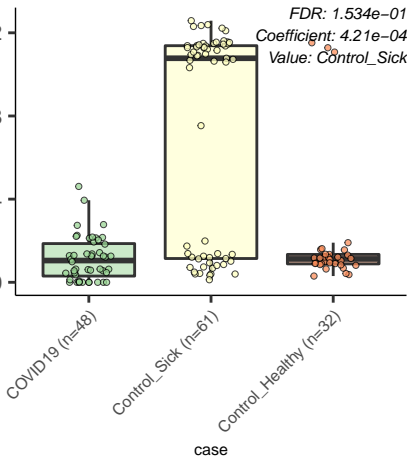




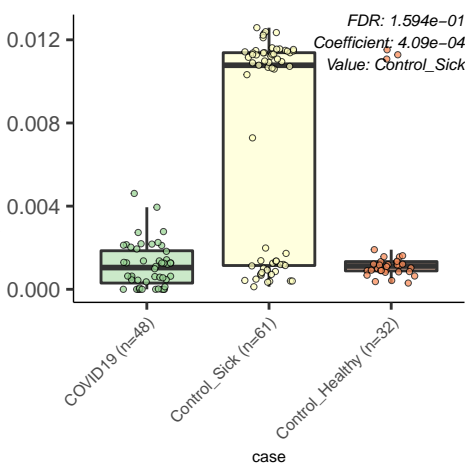




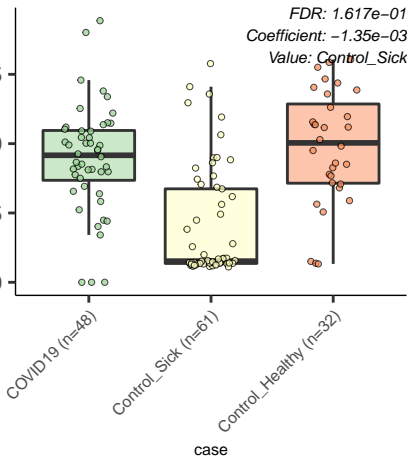
GO.0016817.hydrolase.activity..acting.on.acid.anhy

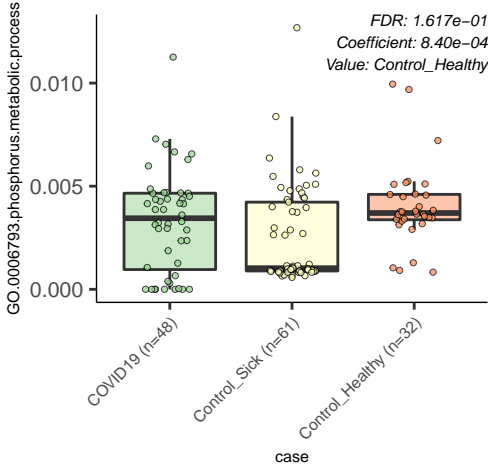


D.0016818.hydrolase.activity..acting.on.acid.anhydrides..in.phospho

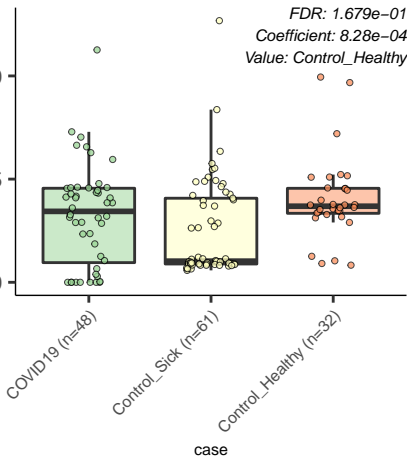


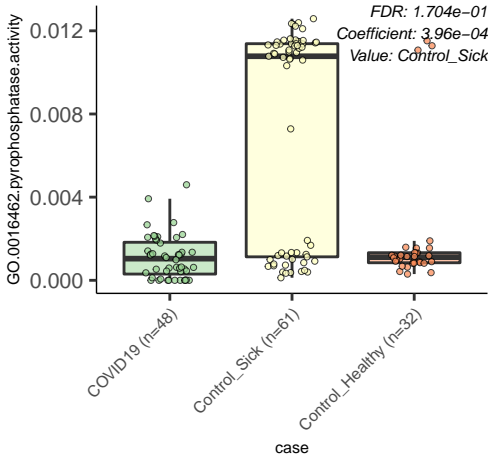
GO.0006725.cellular.aromatic.compound.metabolic.

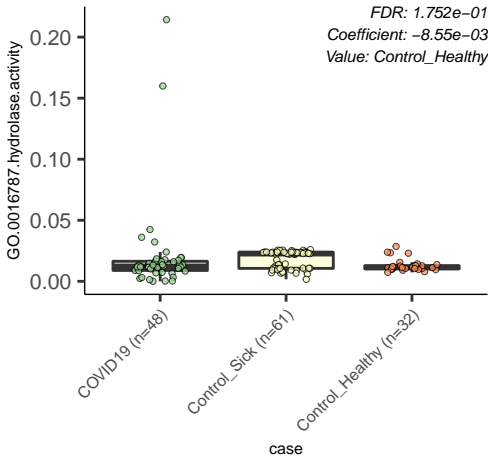


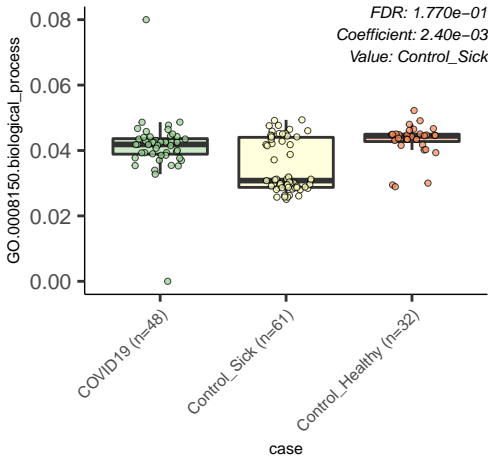


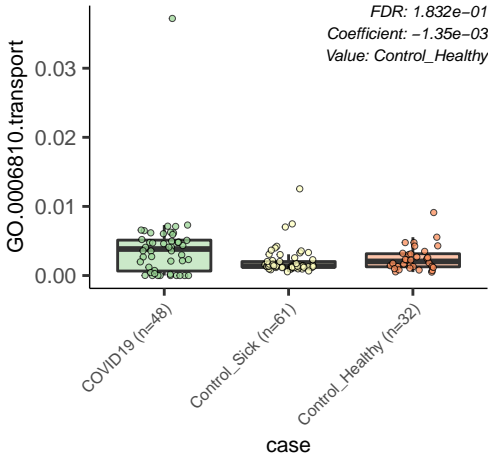
GO.0006796.phosphate.containing.compound.metabo

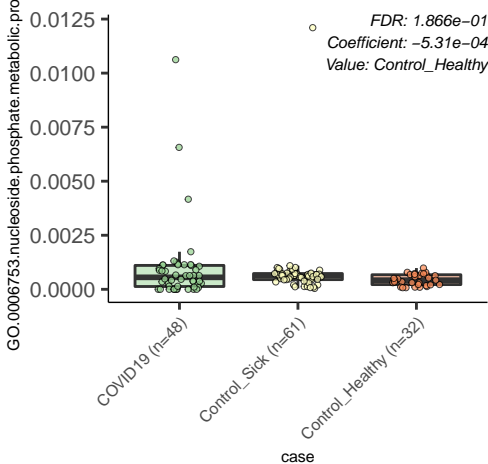


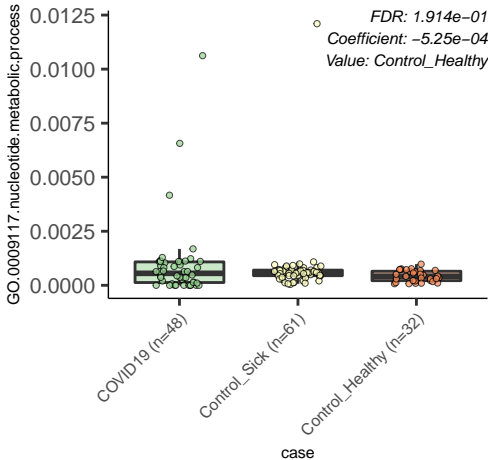


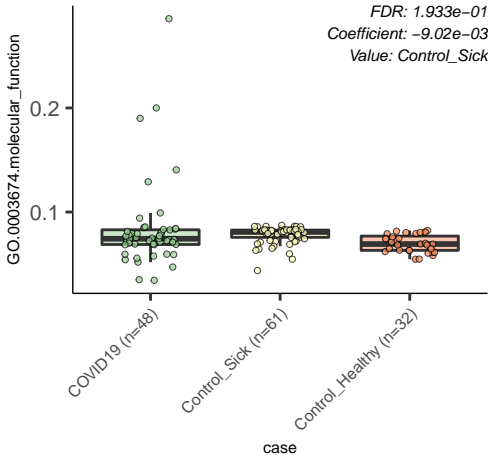


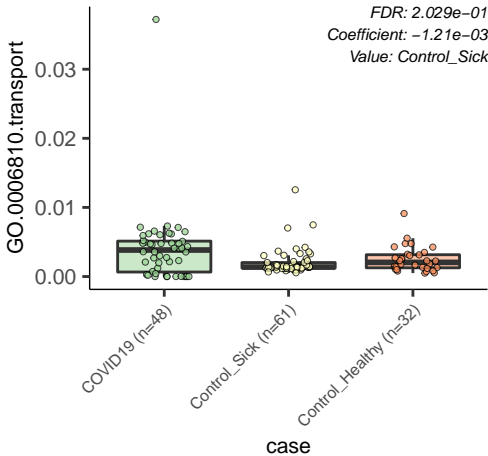


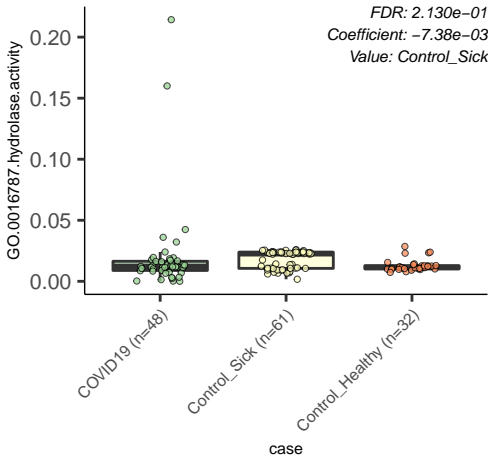


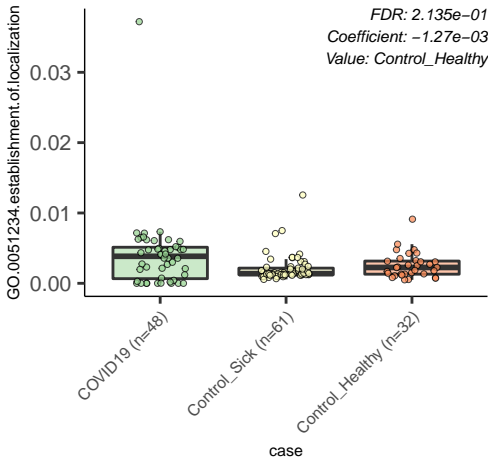




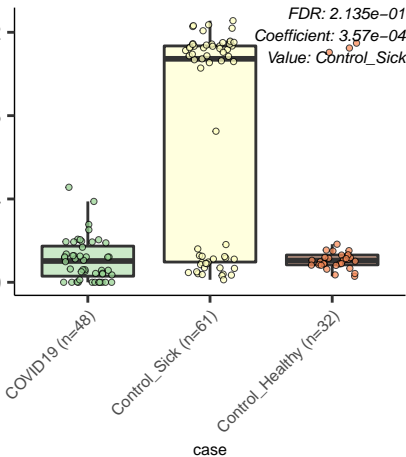








GO.0017111.nucleoside.triphosphatase.activit

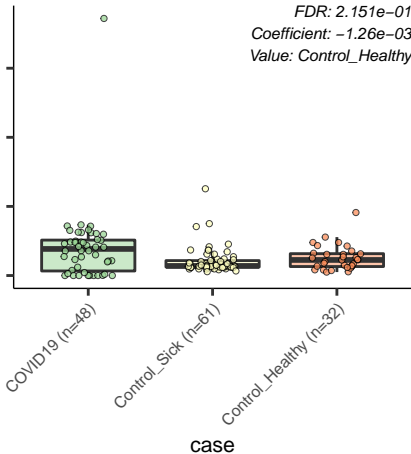


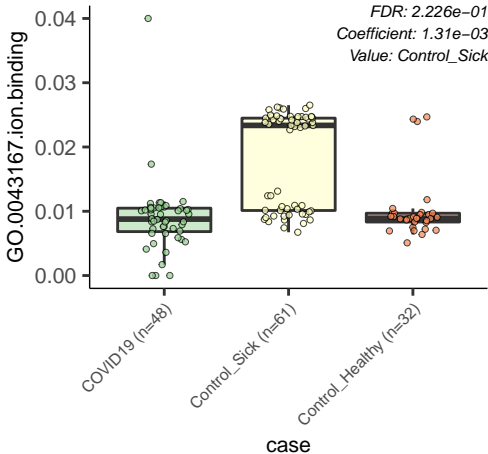
GO.0051179.localization

FDR: 2.151e-01

Coefficient: -1.26e-03

Value: Control_Healthy





GO.0140096.catalytic.activity..acting.on.a.prote

