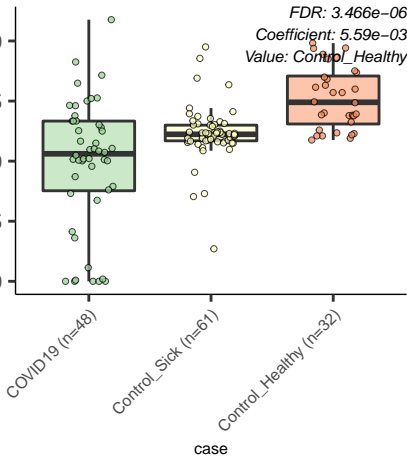
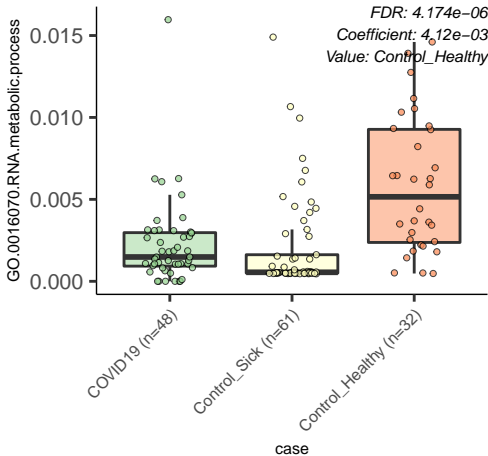
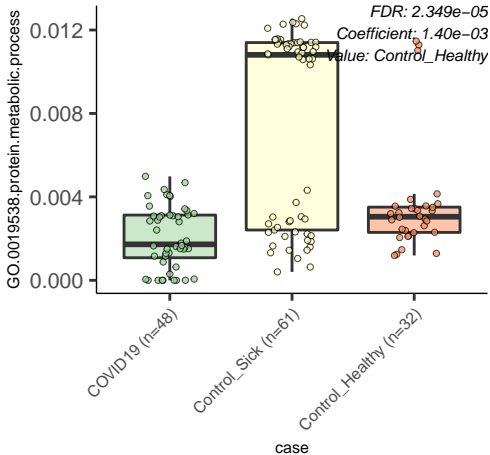
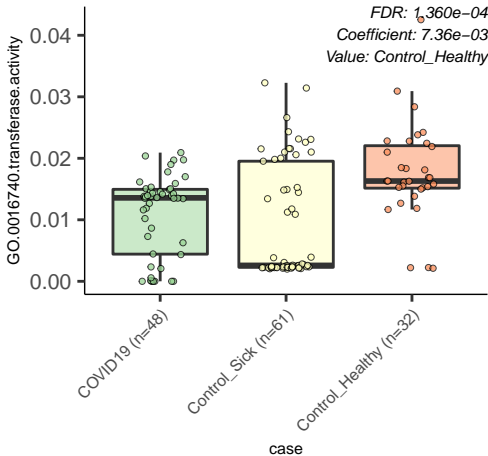


GO.0043170.macro-molecule.metabolic.process

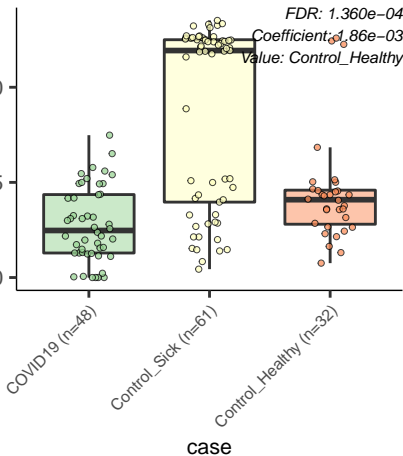




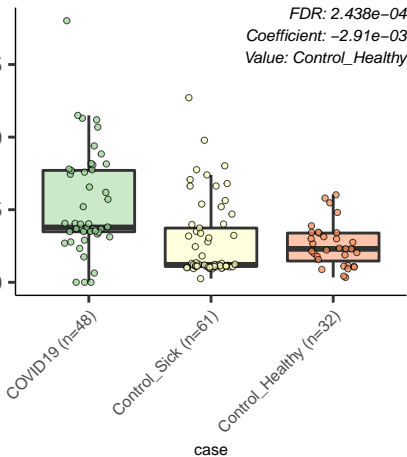




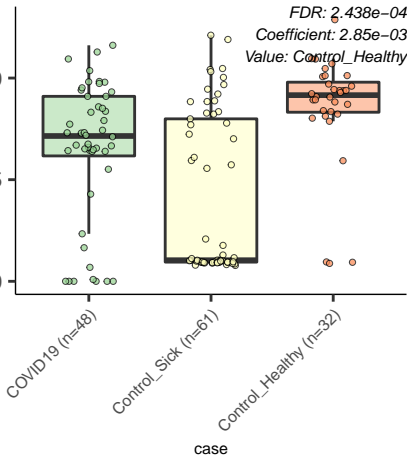
GO.0043168.anion.binding

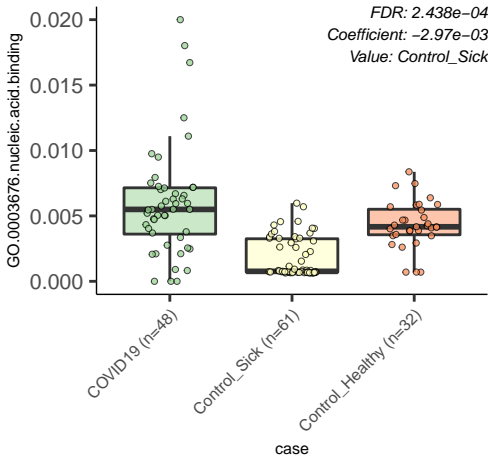


GO.1901362.organic.cyclic.compound.biosynthetic.p



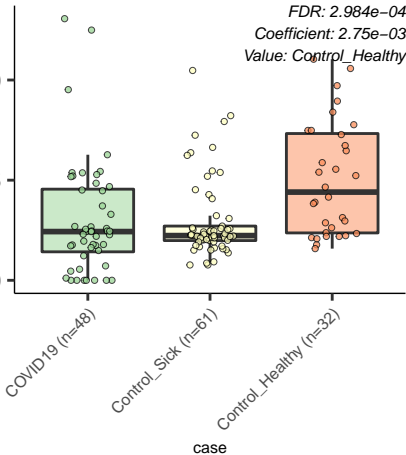
GO.0044260.cellular.macromolecule.metabolic.pro





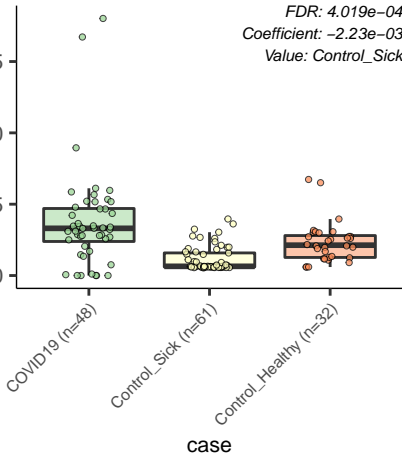
GO.0065007.biological.regulation

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

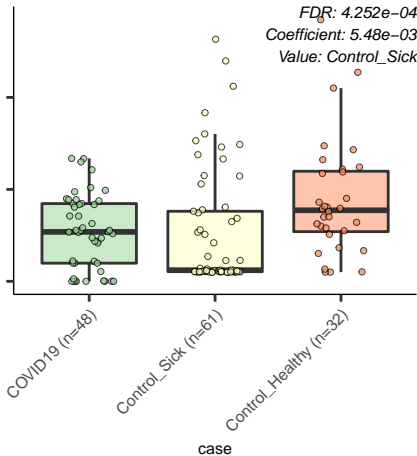


GO.0003677.DNA.binding

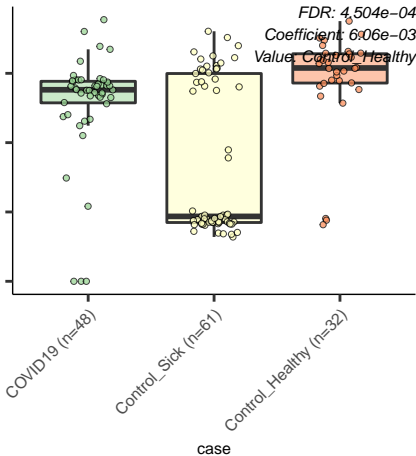
FDR: $4.019\text{e-}04$
Coefficient: $-2.23\text{e-}03$
Value: Control_Sick

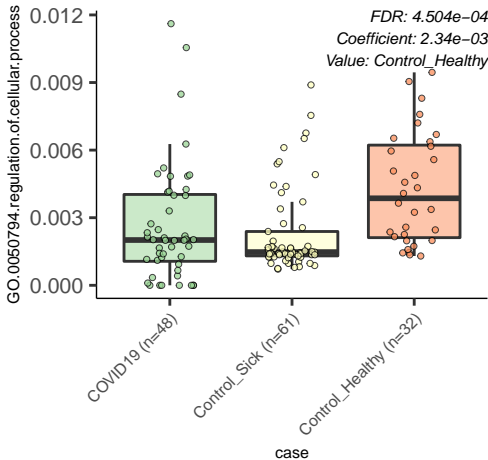


GO.0016772.transferring.phosphorus.co

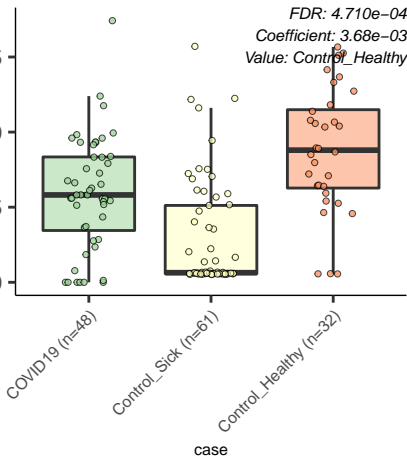


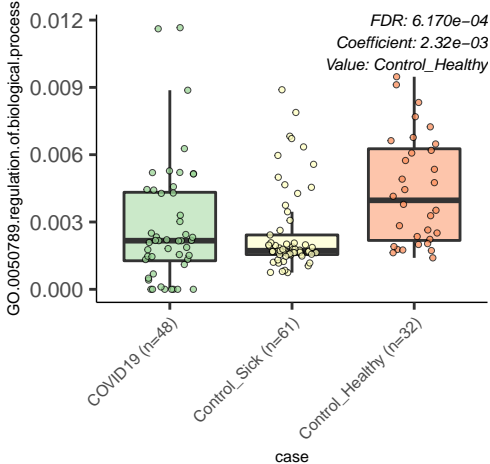
GO.0009987.cellular.process



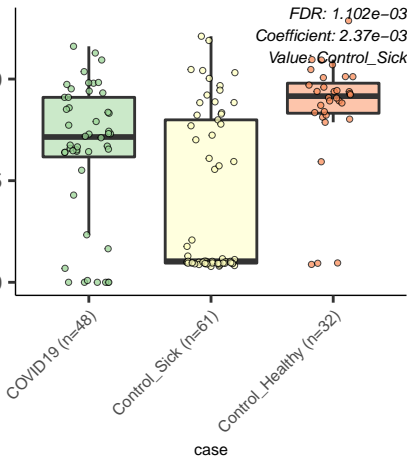


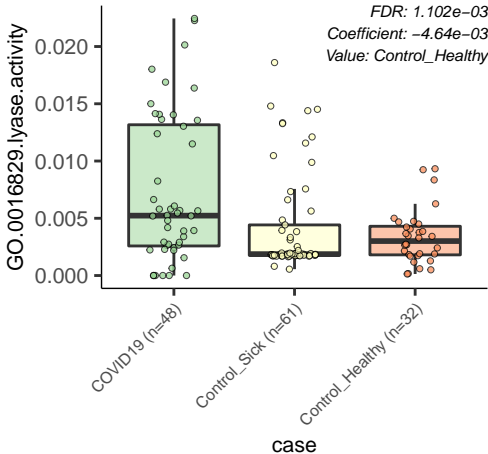
GO.0090304.nucleic.acid.metabolic.process

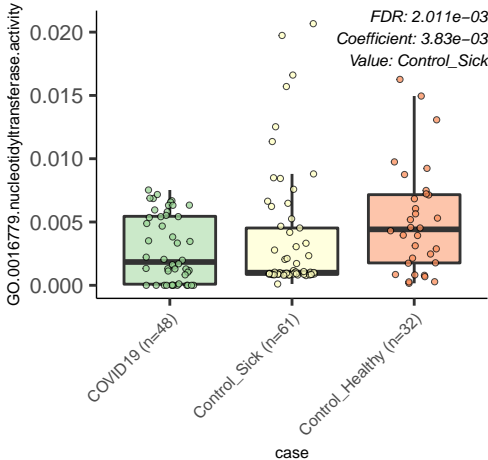




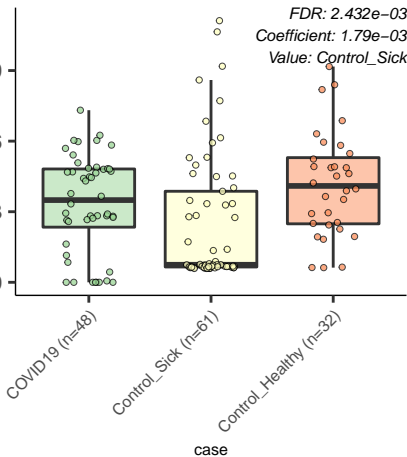
GO.0044260.cellular.macromolecule.metabolic.pro



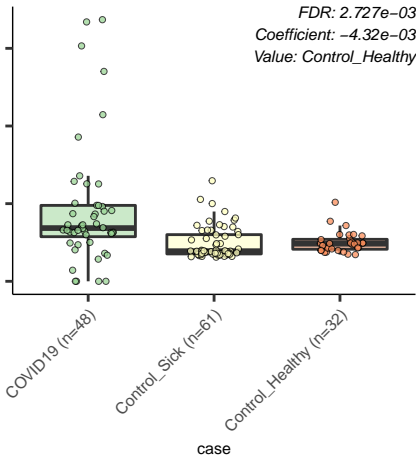




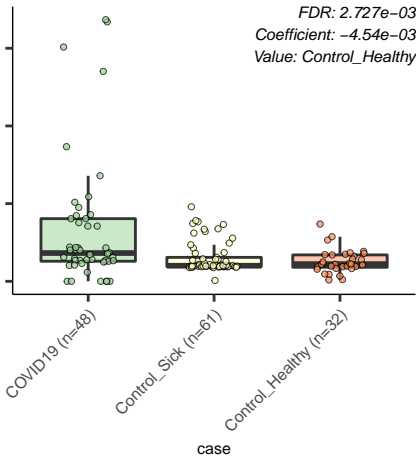
GO.0034645.cellular.macromolecule.biosynthetic.p



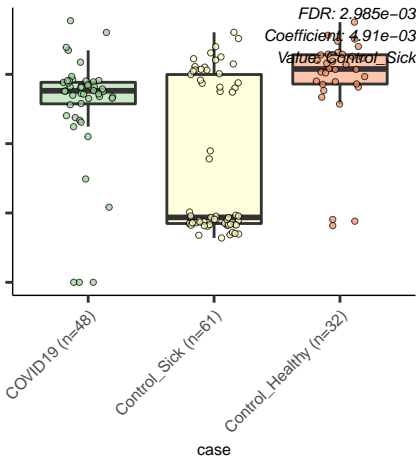
GO.0044281.small.molecule.metabolic.process



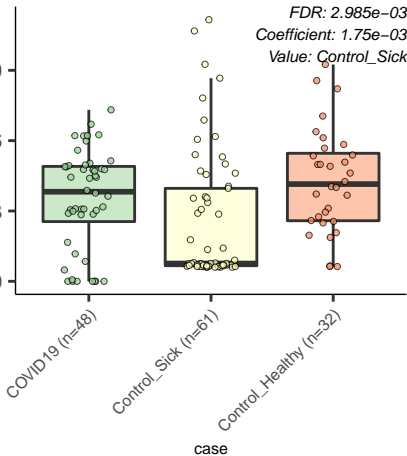
GO.0044283.small.molecule.biosynthetic.proce



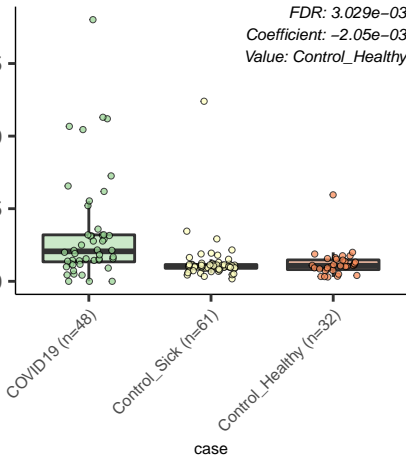
GO.0009987.cellular.process



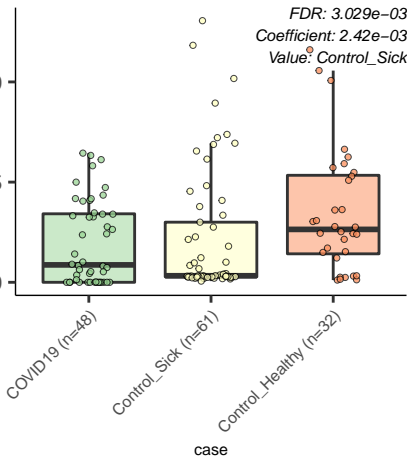
GO.0009059.monomer biosynthetic process



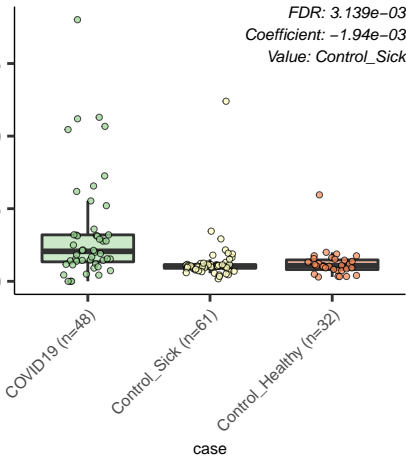
GO.0019438.aromatic.compound.biosynthetic.pro

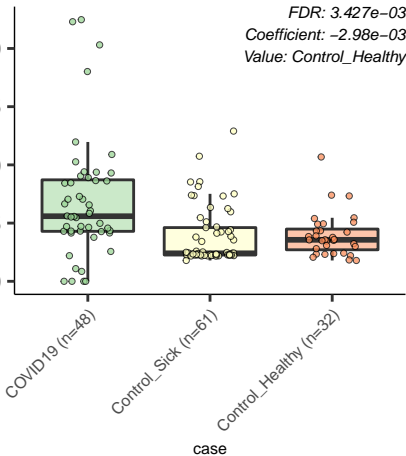


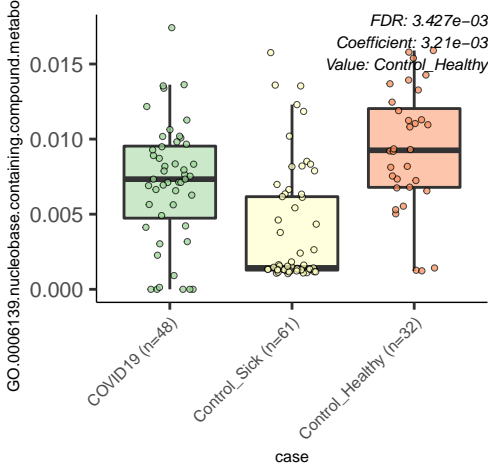
GO.0044262.cellular.carbohydrate.metabolic.pro



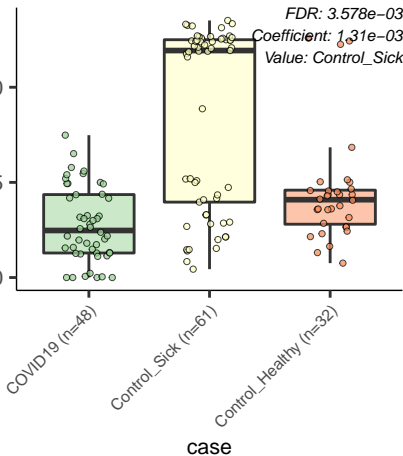
GO.0019438.aromatic.compound.biosynthetic.pro



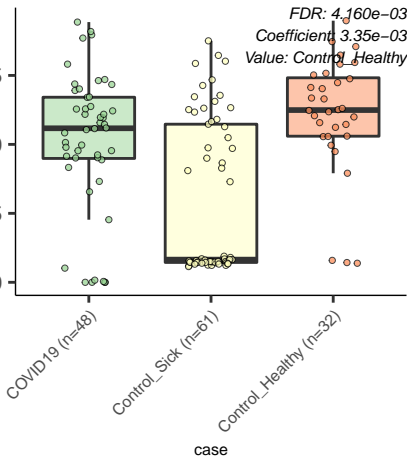


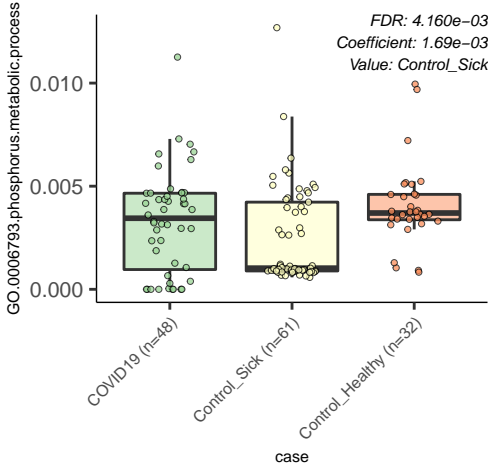


GO.0043168.anion.binding

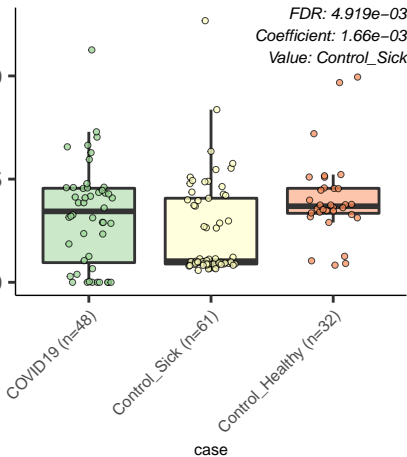


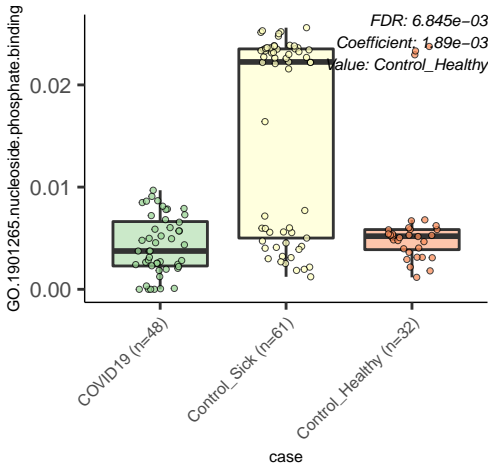
GO.0034641.cellular.nitrogen.compound.metabolic.p

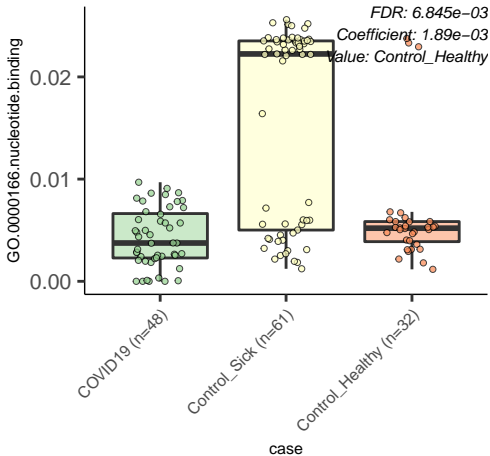


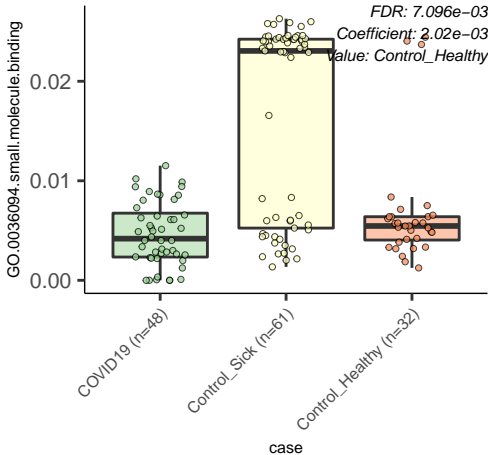


GO.0006796.phosphate.containing.compound.metabo



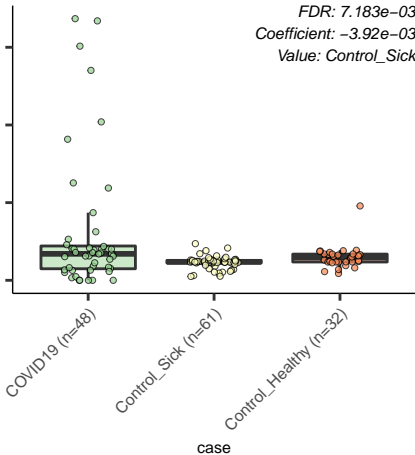


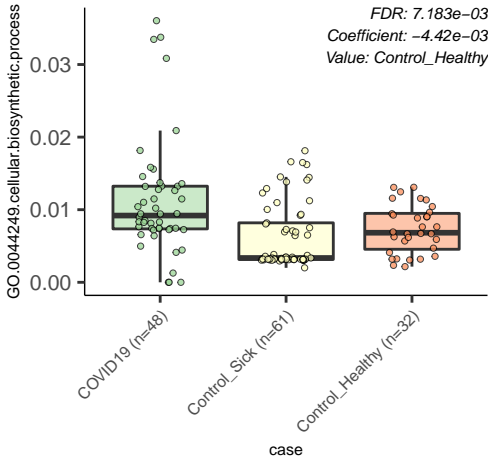




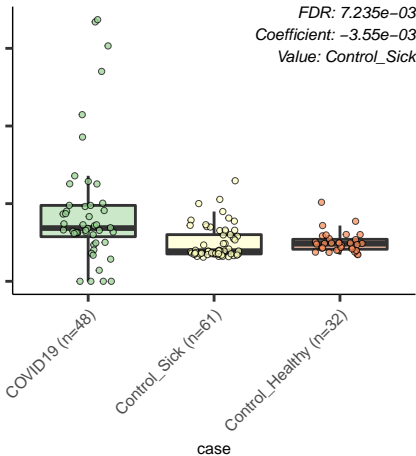
GO.0006082.organic.acid.metabolic.process

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

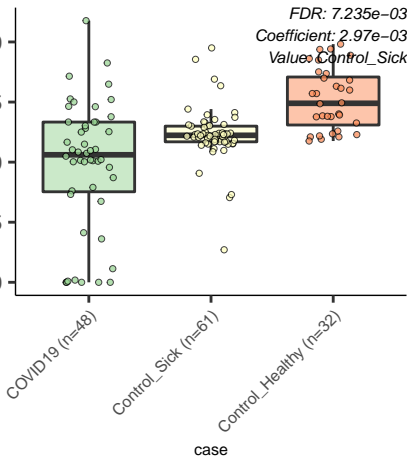




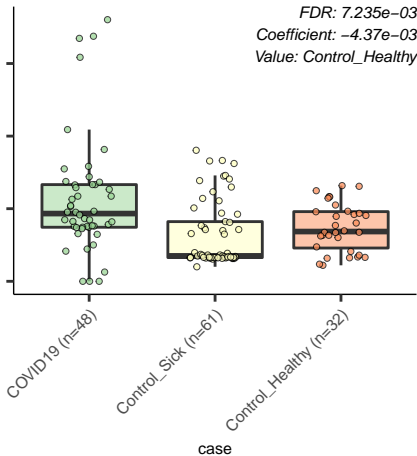
GO.0044281.small.molecule.metabolic.process

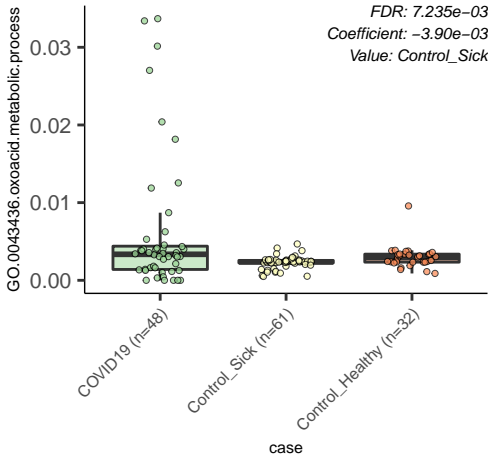


GO.0043170.macro.molecule.metabolic.process

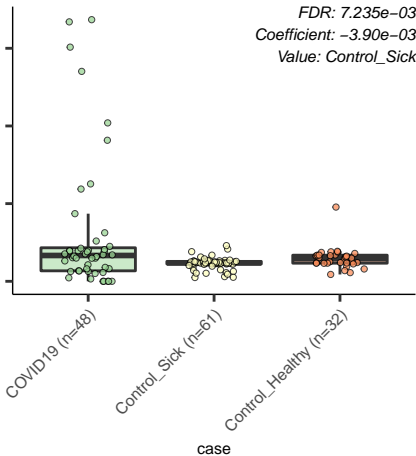


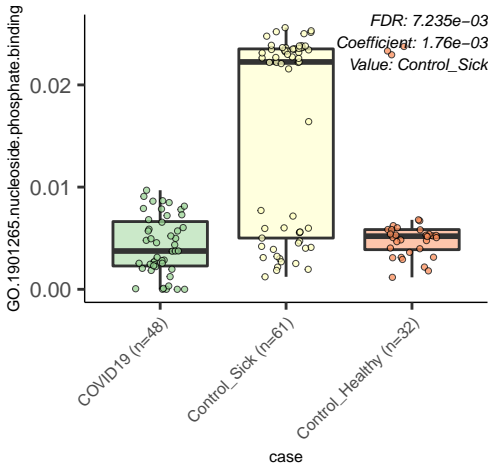
GO.1901576.organic.substance.biosynthetic.pro

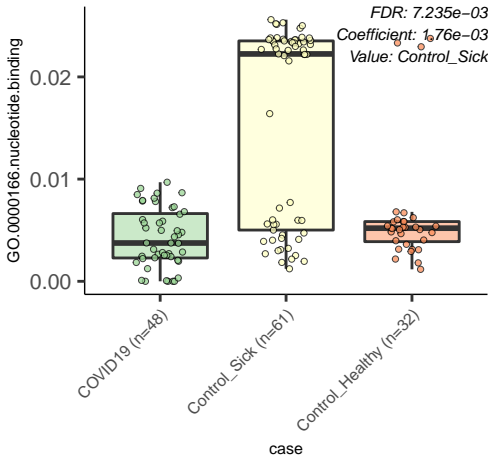


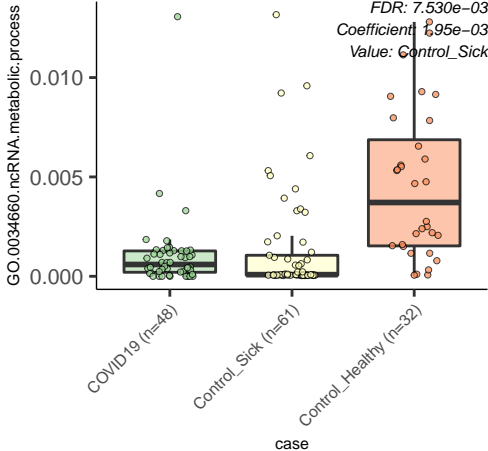


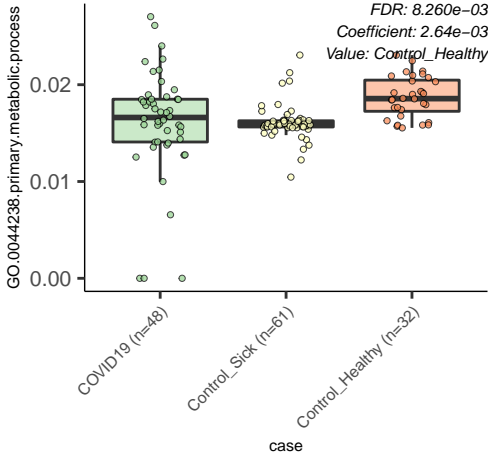
GO.0019752.carboxylic.acid.metabolic.process

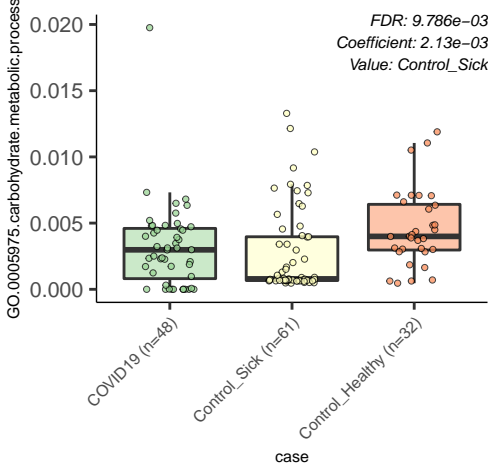


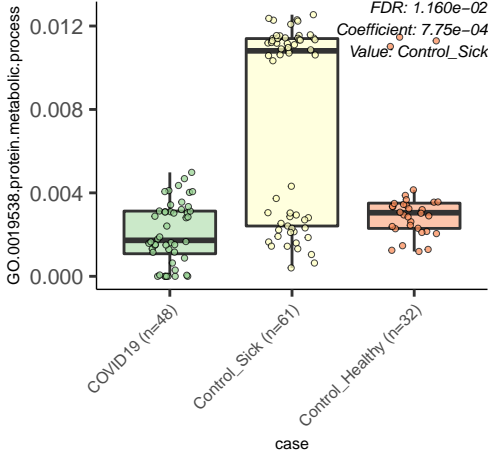




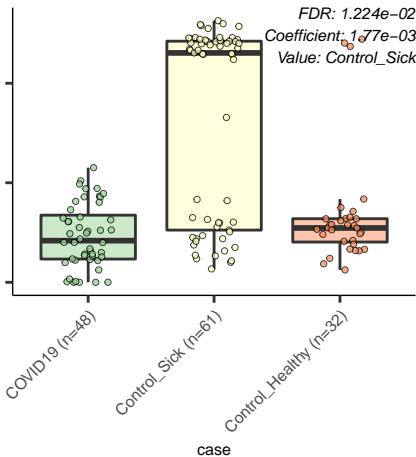




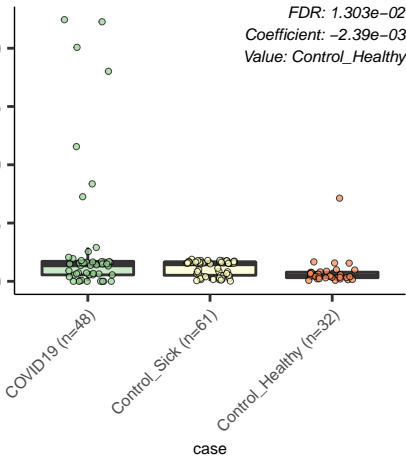


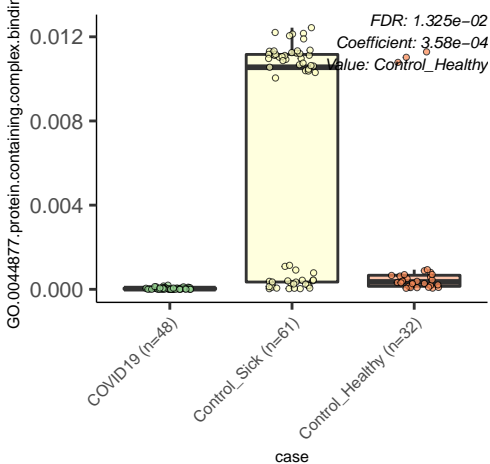


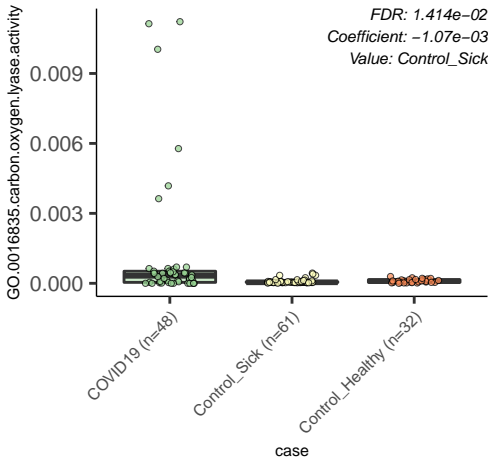
GO.0036094.small.molecule.binding



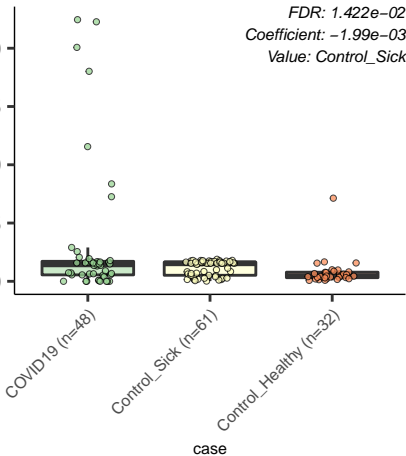
GO.0008652.cellular.amino.acid.biosynthetic.pro



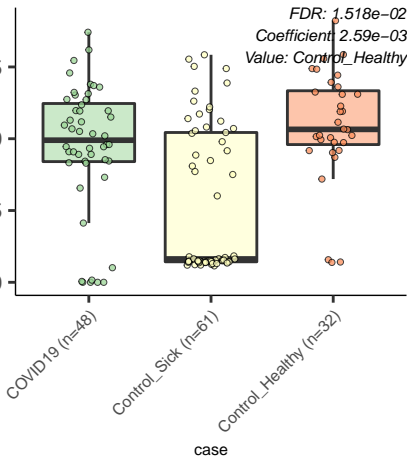


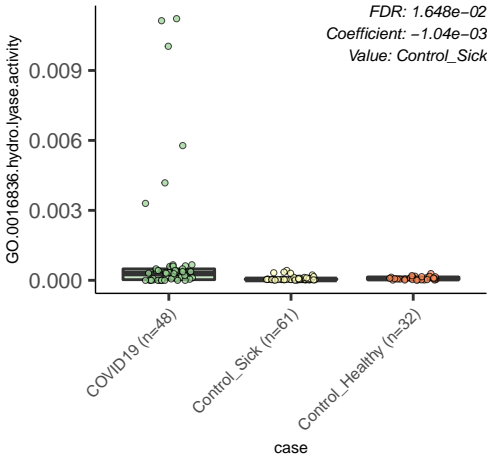


GO.0008652.cellular.amino.acid.biosynthetic.pro

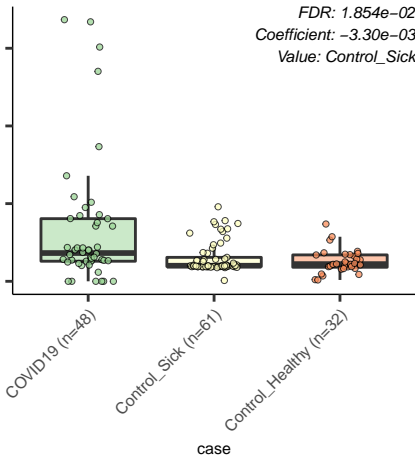


GO.0046483.heterocycle.metabolic.process

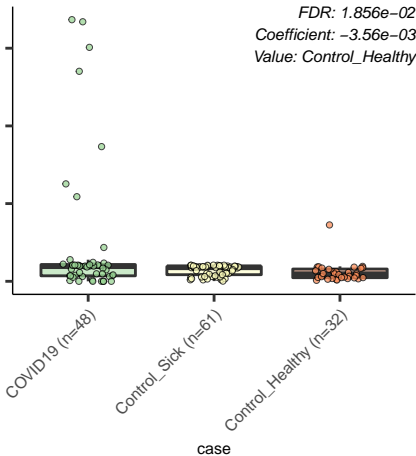




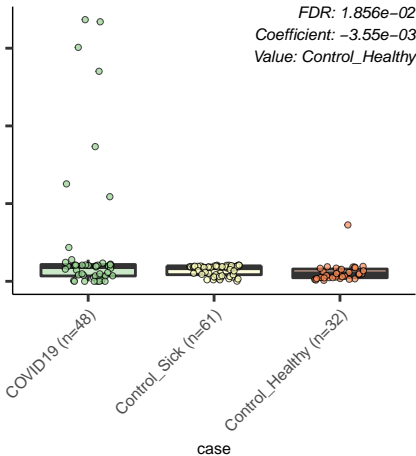
GO.0044283.small.molecule.biosynthetic.proce



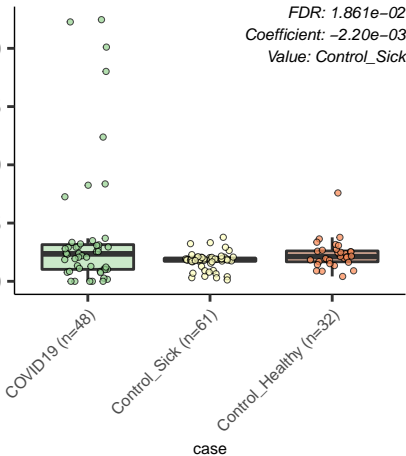
GO.0016053.organic.acid.biosynthetic.proces

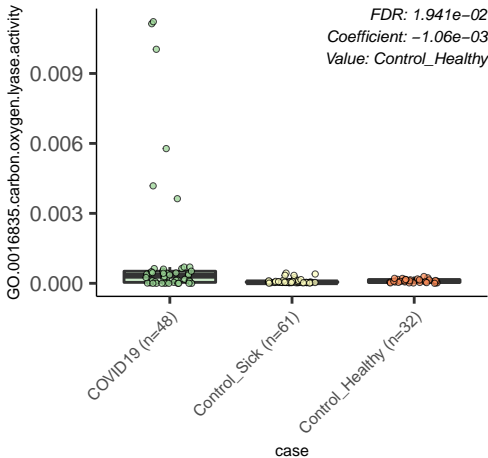


GO.0046394.carboxylic.acid.biosynthetic.proce



GO.0006520.cellular.amino.acid.metabolic.pro



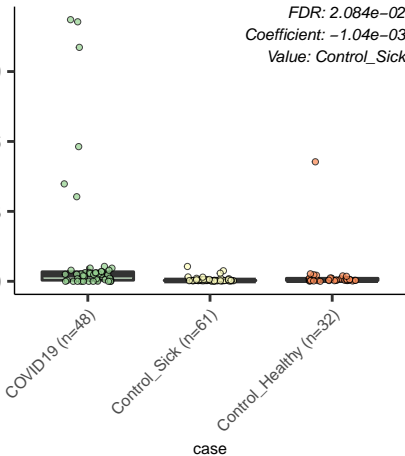


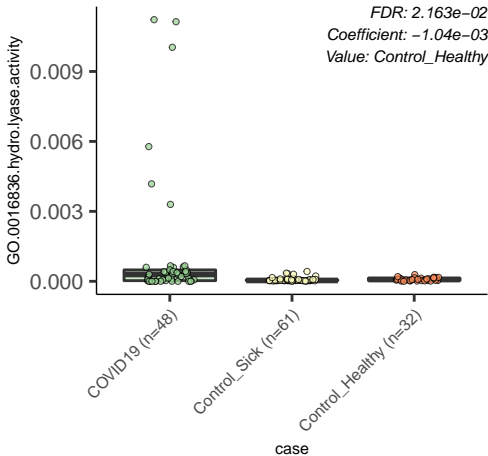
GO.0009072.aromatic.amino.acid.family.metabolic.p

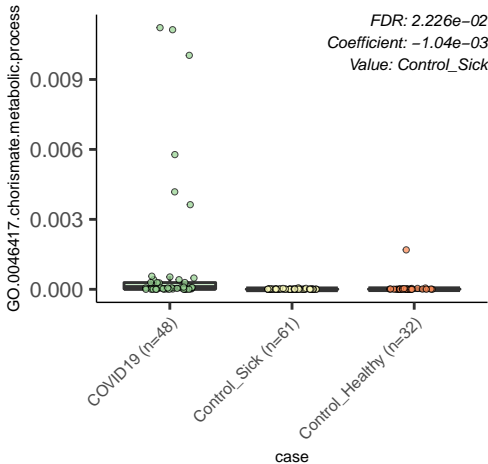
FDR: 2.084e-02

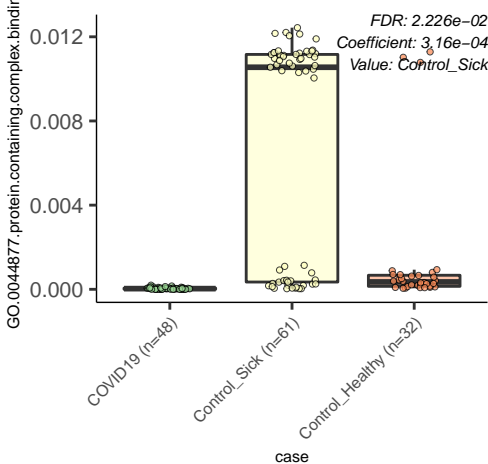
Coefficient: $-1.04e-03$

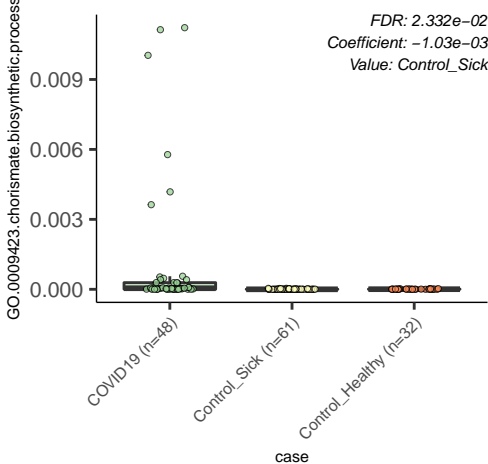
Value: Control_Sick



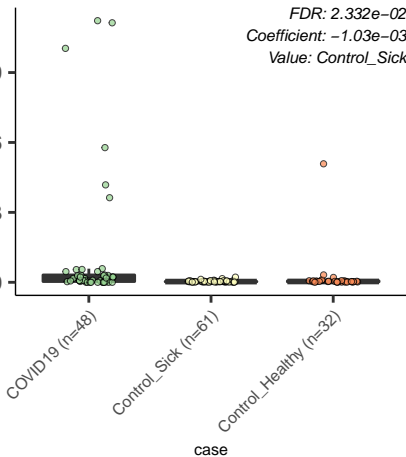


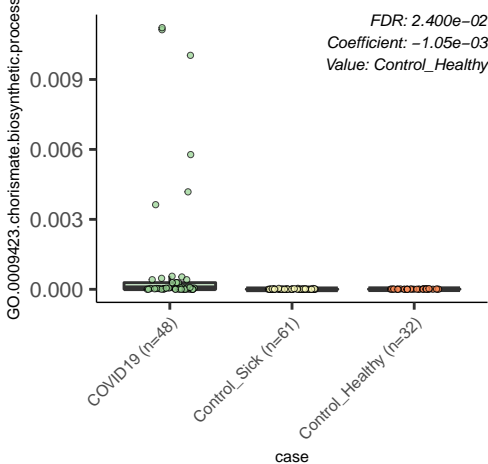






GO.0009073.aromatic.amino.acid.family.biosynthetic



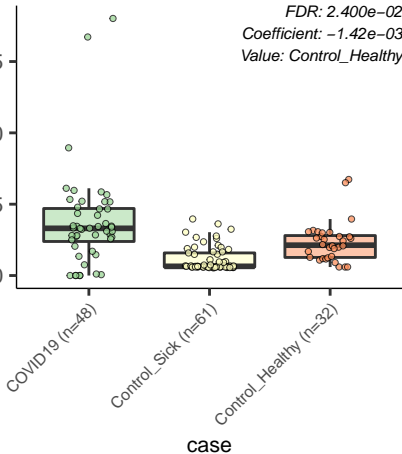


GO.0003677.DNA.binding

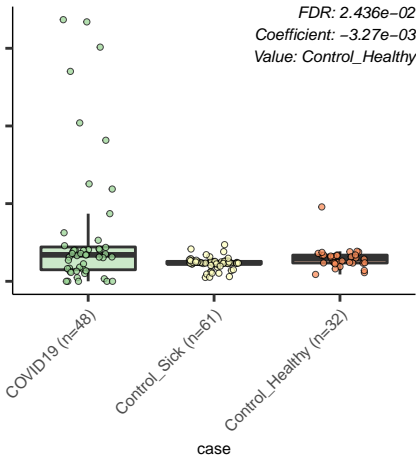
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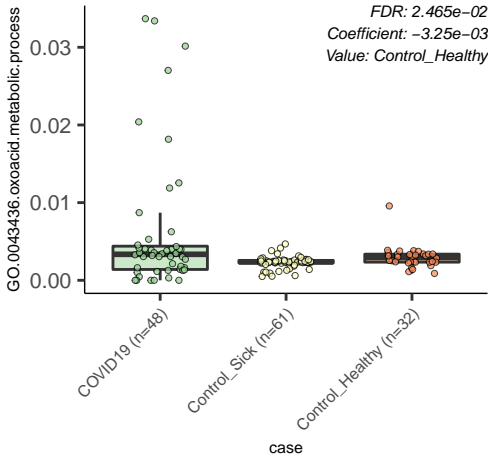
Coefficient: -1.42e-03

Value: Control_Healthy

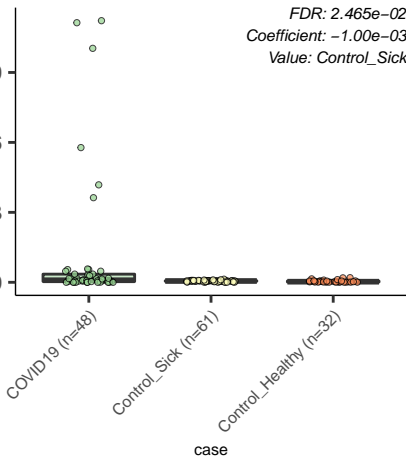


GO.0006082.organic.acid.metabolic.process

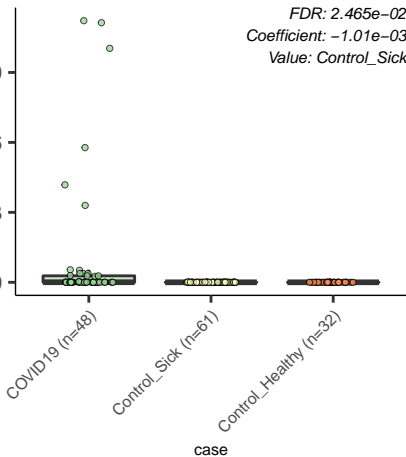




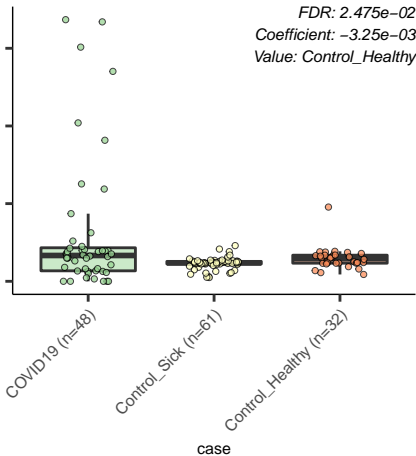
GO.0043650.dicarboxylic.acid.biosynthetic.proc



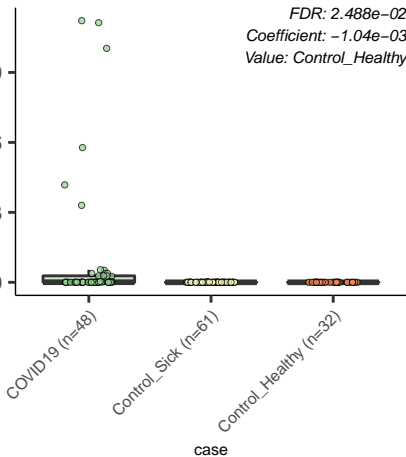
GO.0003855.3.dehydroquinase.dehydratase.acti



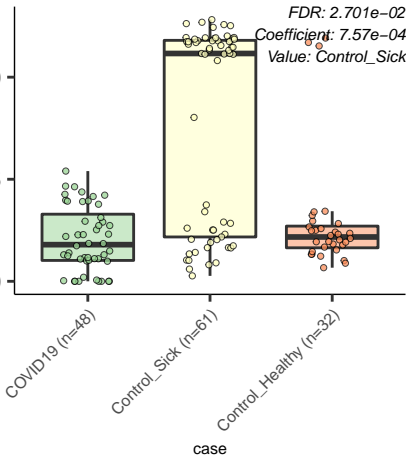
GO.0019752.carboxylic.acid.metabolic.process



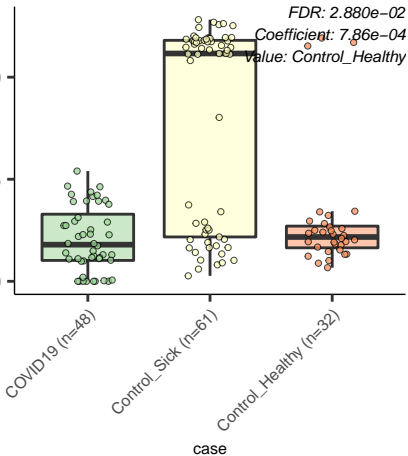
GO.0003855.3.dehydroquinase.dehydratase.acti

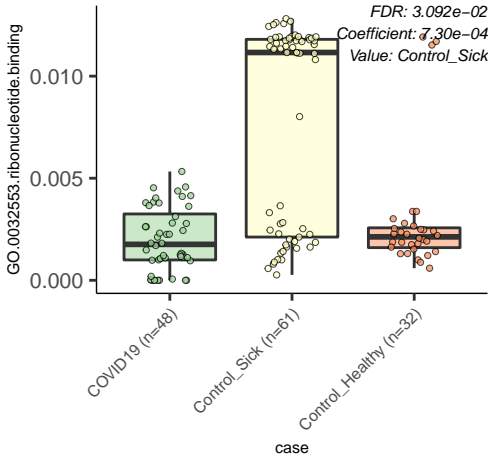


GO.0097367.carbohydrate.derivative.binding

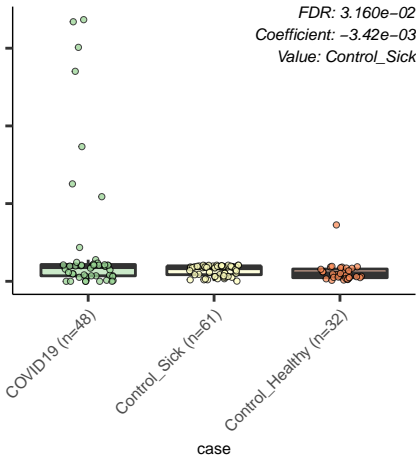


GO.0097367.carbohydrate.derivative.binding

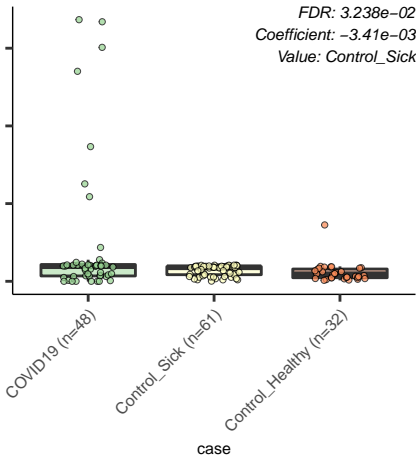




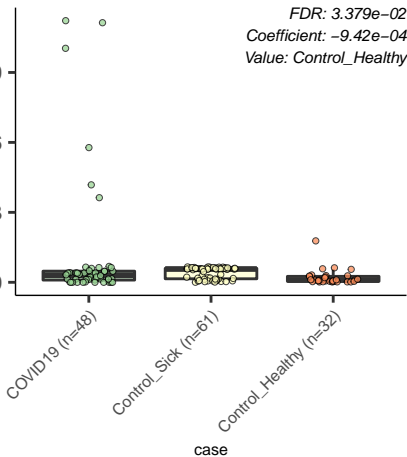
GO.0016053.organic.acid.biosynthetic.proces

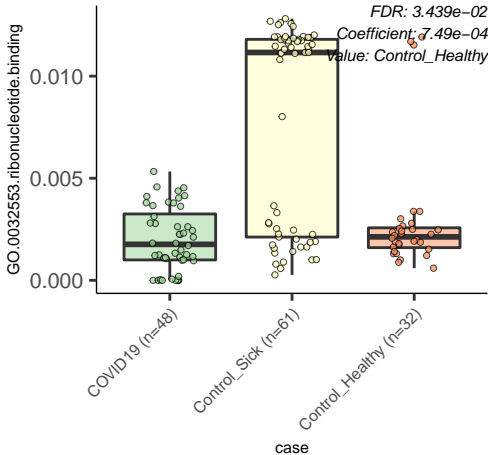


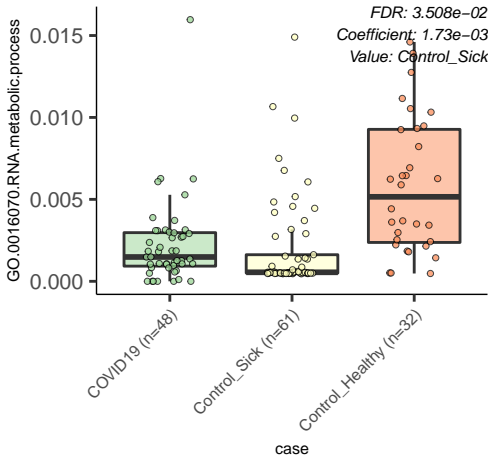
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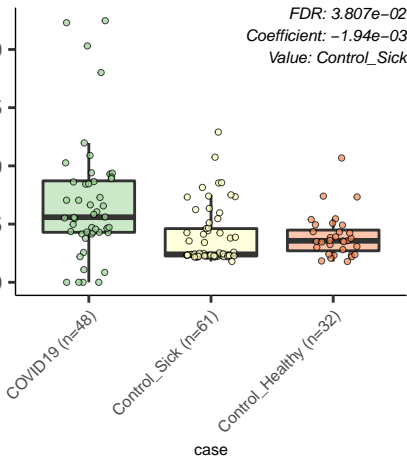
GO.0043648.dicarboxylic.acid.metabolic.proce

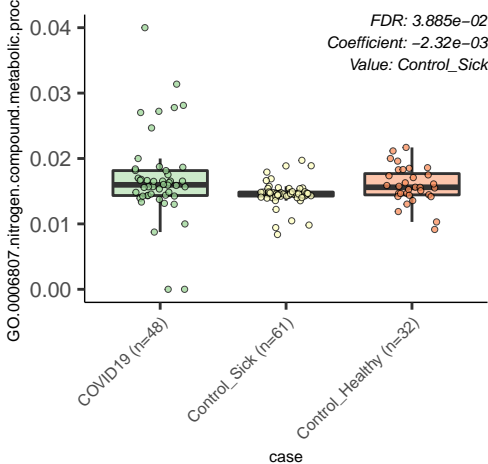


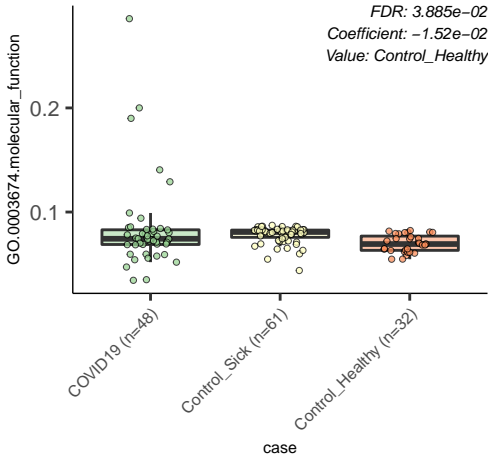


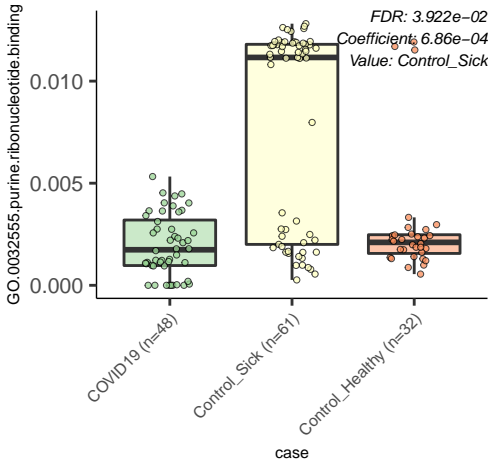


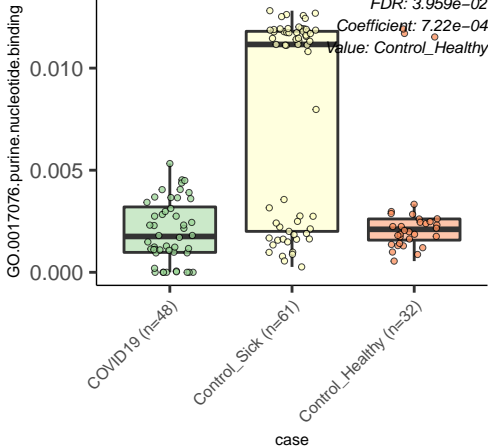
GO.1901566.organonitrogen.compound.biosynthetic

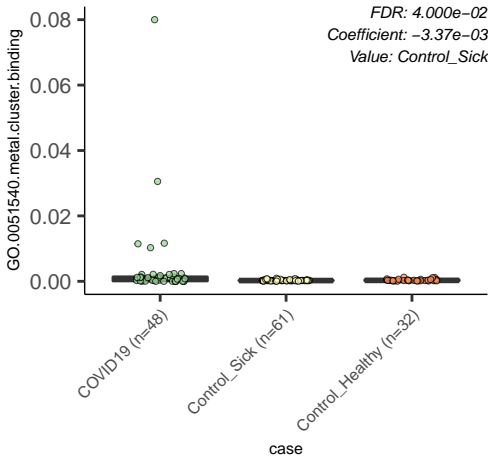


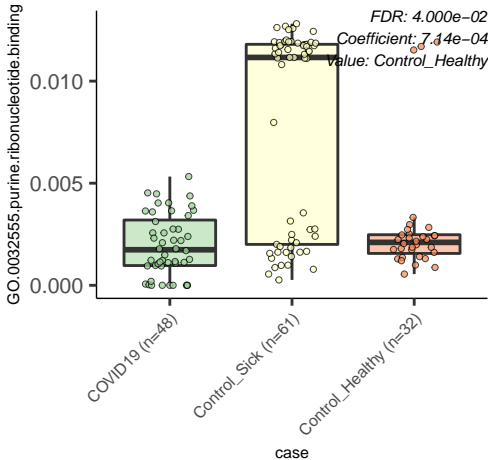


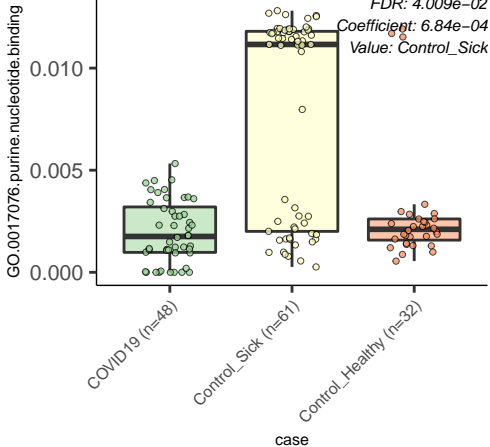


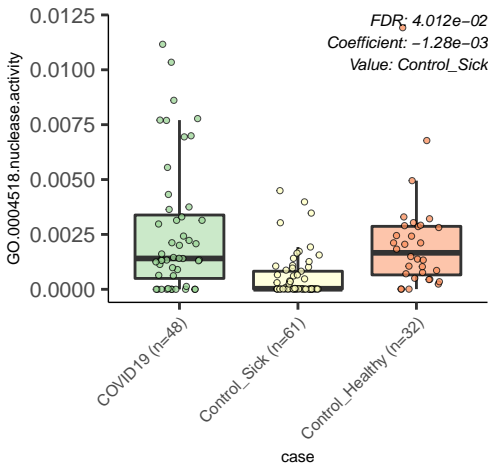


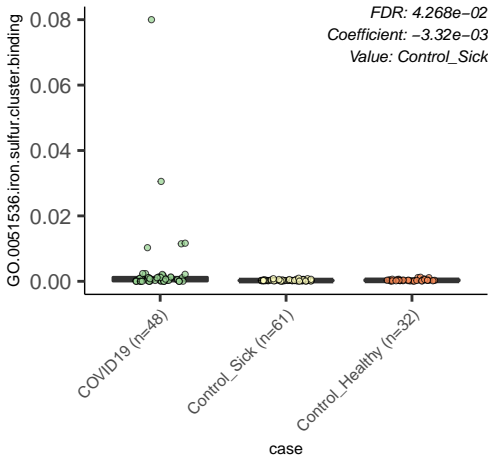




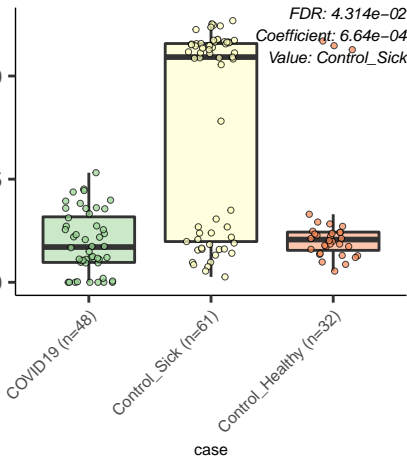




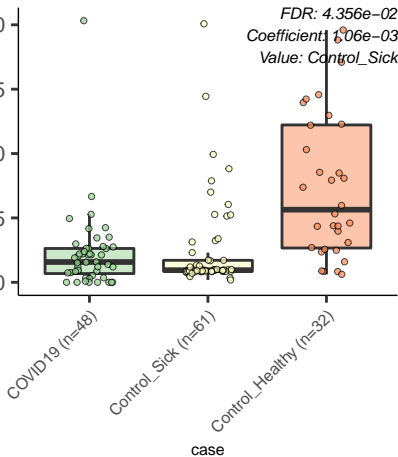




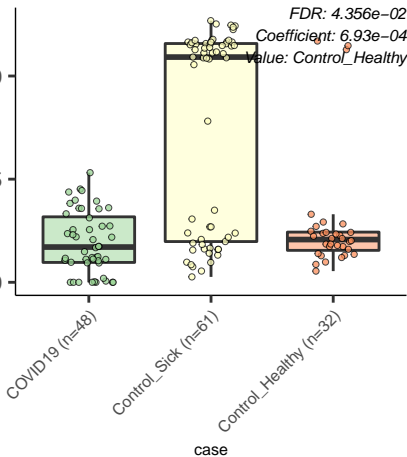
GO.0035639.purine.ribonucleoside.triphosphate.b

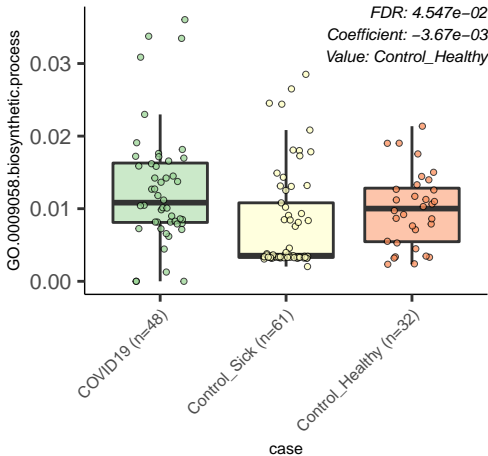


GO.0140098.catalytic.activity..acting.on.RNA

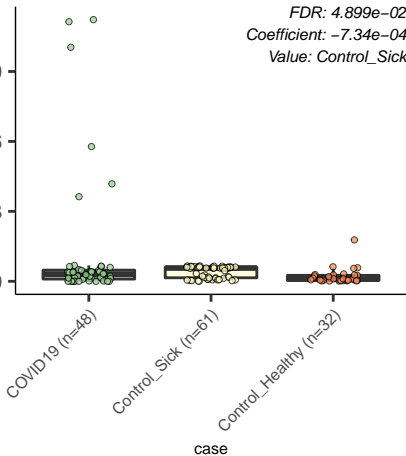


GO.0035639.purine.ribonucleoside.triphosphate.b

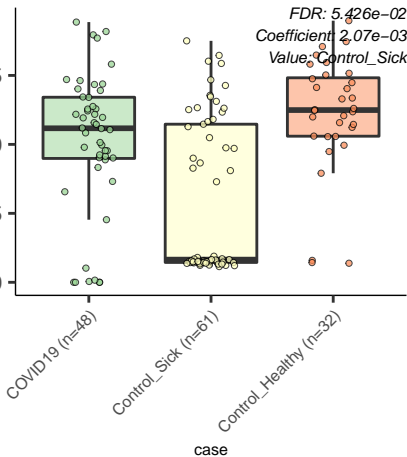




GO.0043648.dicarboxylic.acid.metabolic.proce



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

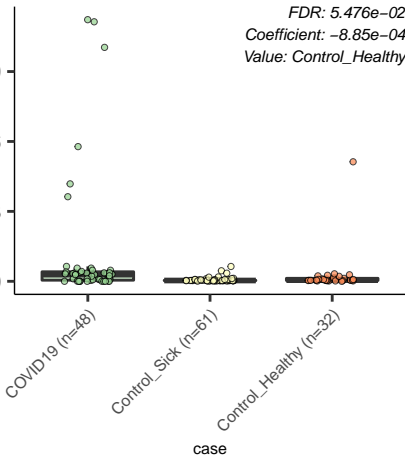


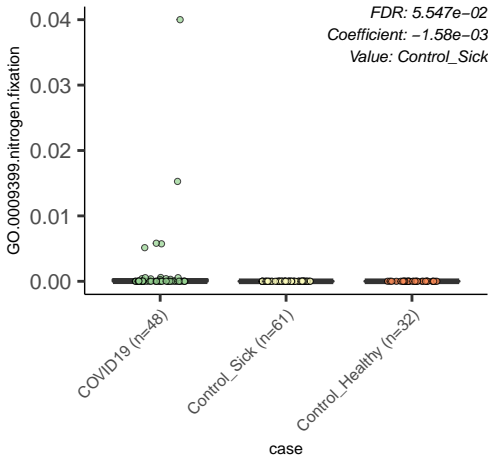
GO:0009072.aromatic.amino.acid.family.metabolic.p

FDR: 5.476e-02

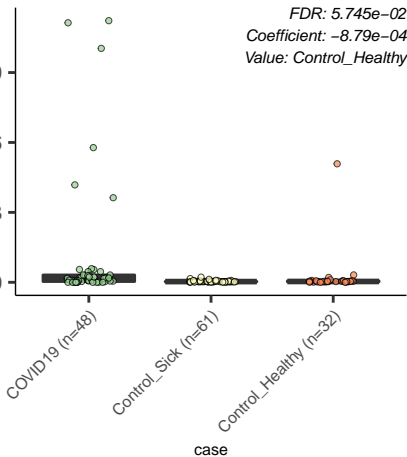
Coefficient: $-8.85e-04$

Value: Control_Healthy





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



GO.0003824.catalytic.activity

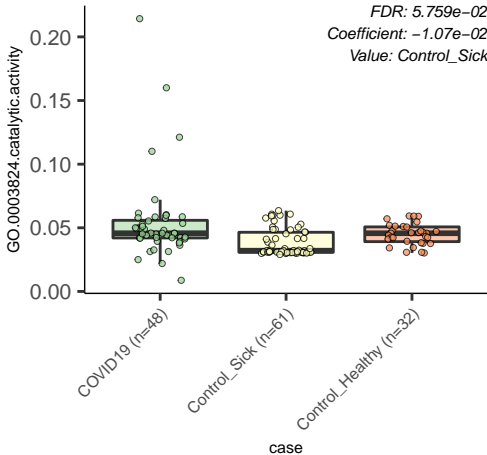
FDR: 5.759e-02
Coefficient: -1.07e-02
Value: Control_Sick

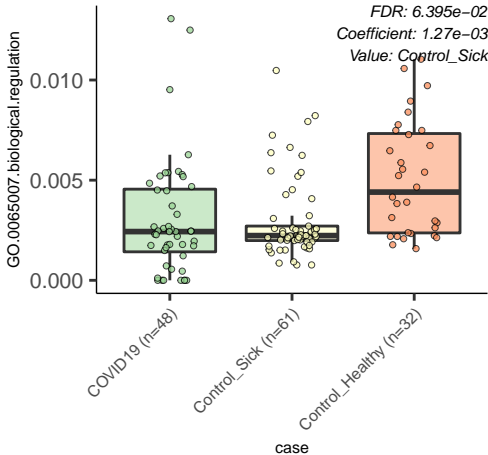
COVID19 (n=48)

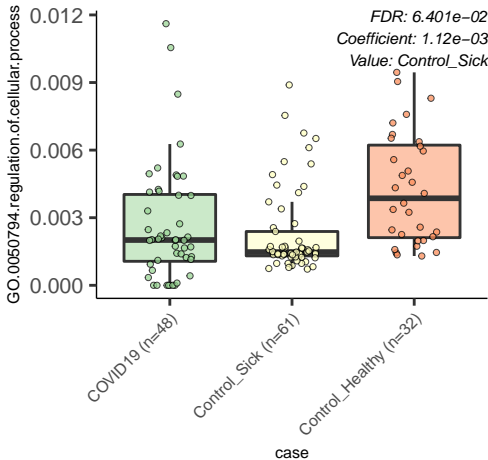
Control_Sick (n=61)

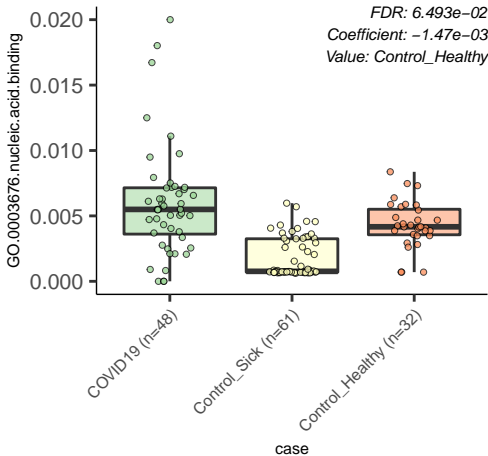
Control_Healthy (n=32)

case









GO.0003824.catalytic.activity

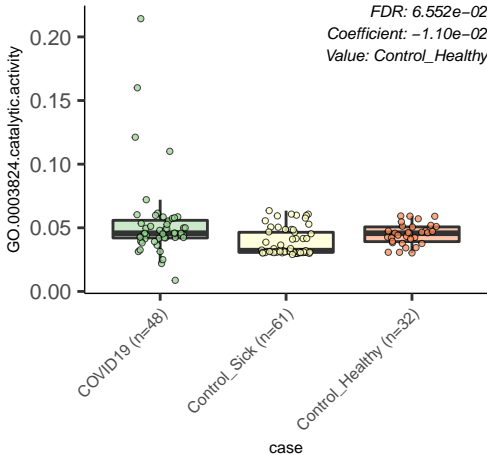
FDR: 6.552e-02
Coefficient: -1.10e-02
Value: Control_Healthy

COVID19 (n=48)

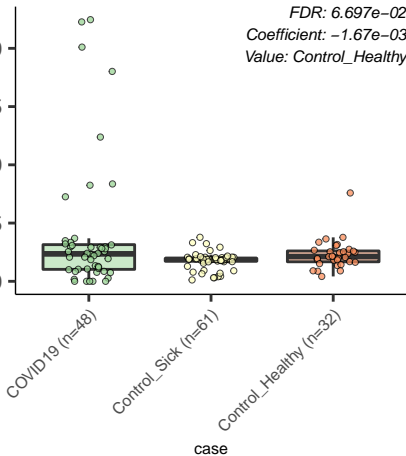
Control_Sick (n=61)

Control_Healthy (n=32)

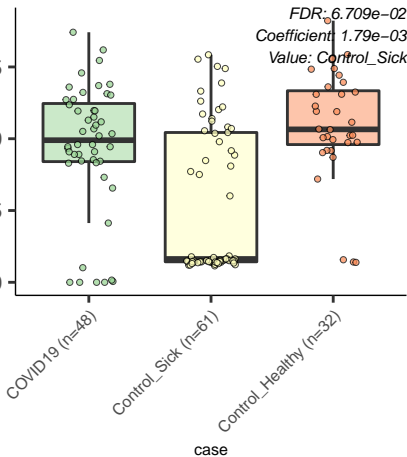
case

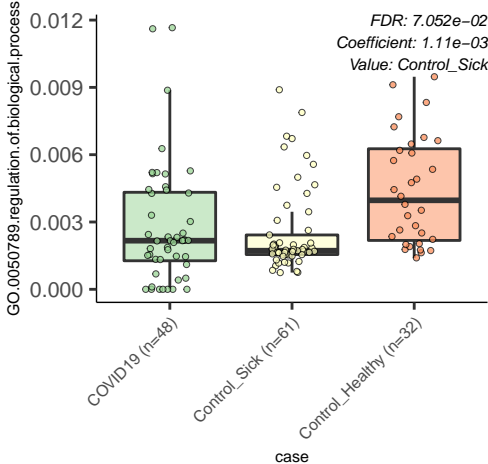


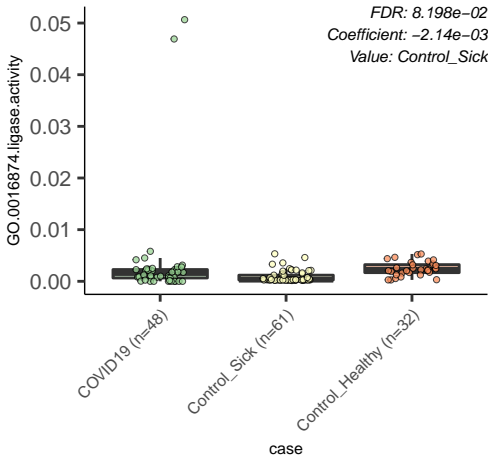
GO.0006520.cellular.amino.acid.metabolic.proc

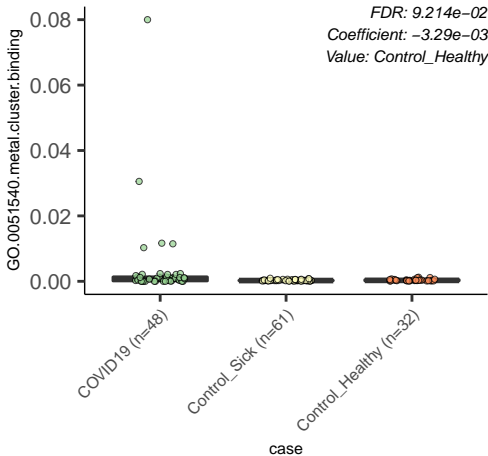


GO.0046483.heterocycle.metabolic.process

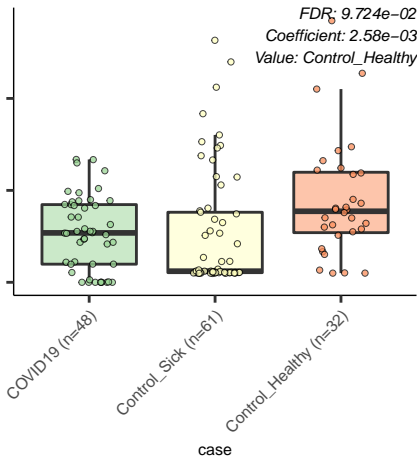


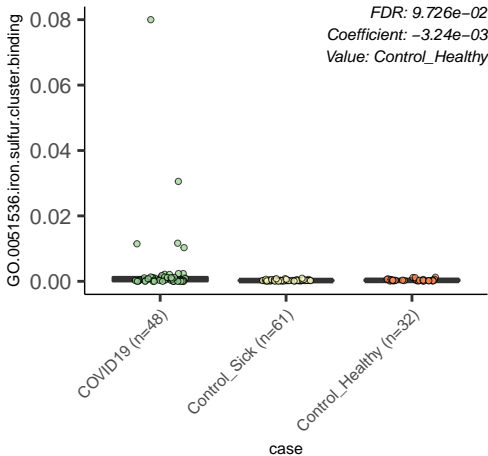


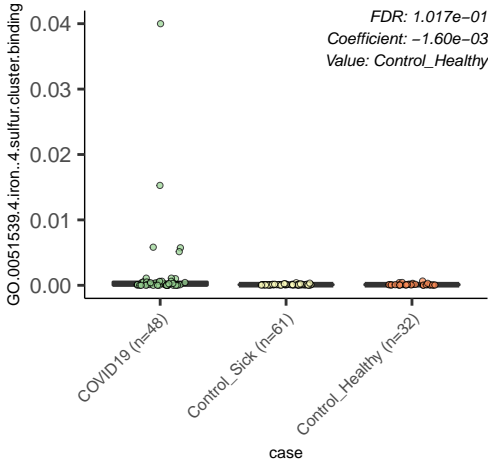


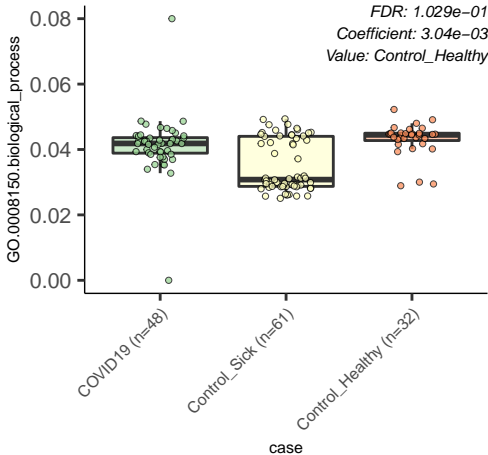


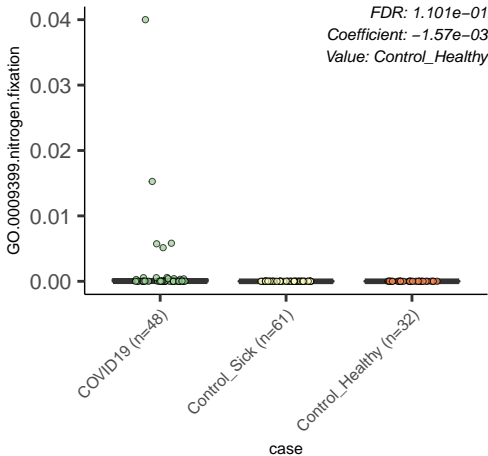
GO.0016772.transferrase.activity..transferring.phosphorus.co



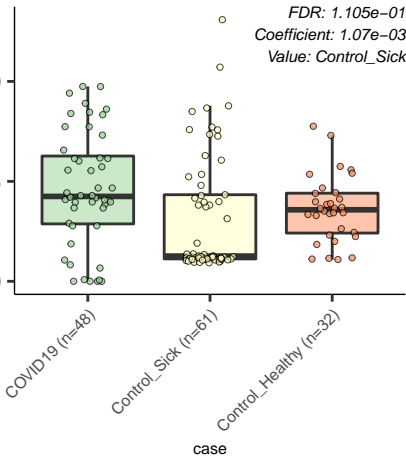




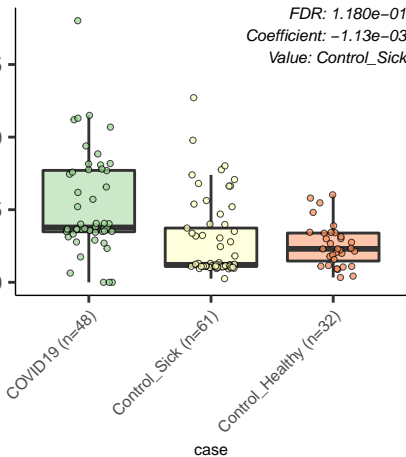


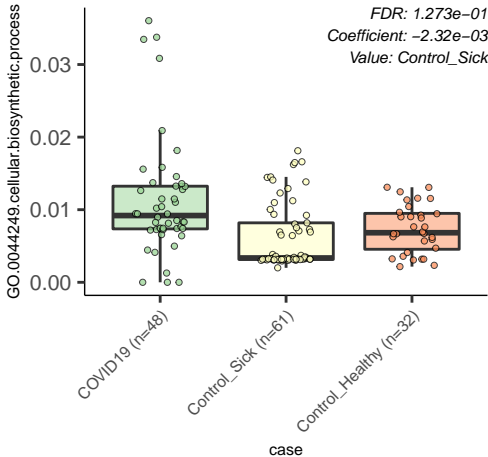


GO.0044271.cellular.nitrogen.compound.biosynthetic

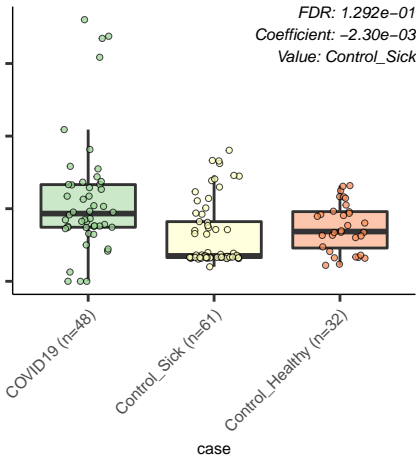


GO.1901362.organic.cyclic.compound.biosynthetic.p

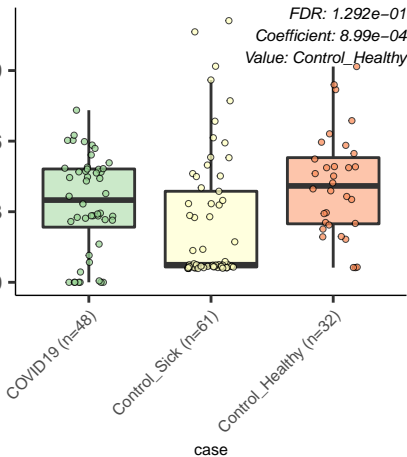




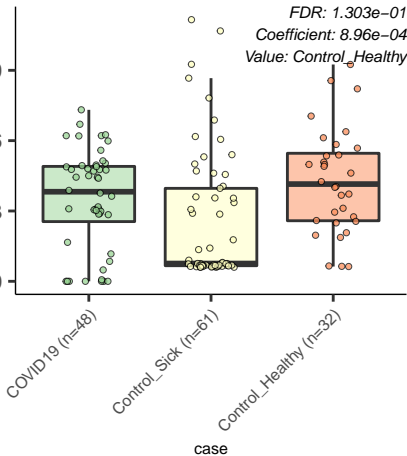
GO.1901576.organic.substance.biosynthetic.pro



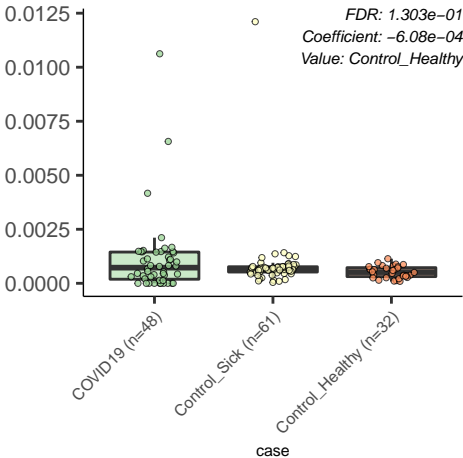
GO.0034645.cellular.macromolecule.biosynthetic.p



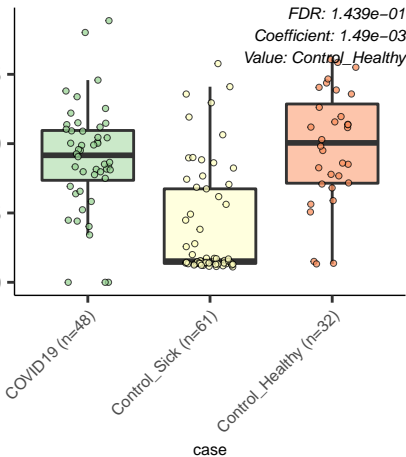
GO.0009059.monomer.biosynthetic.proce



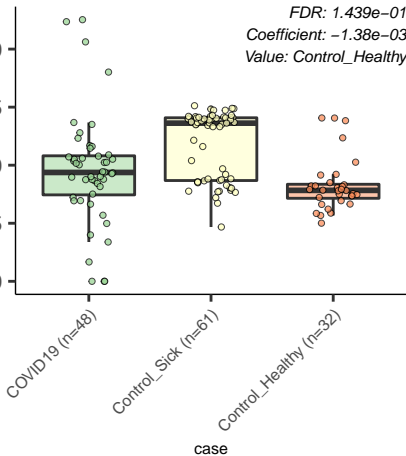
GO.0055086.nucleobase.containing.small.molecule.meta

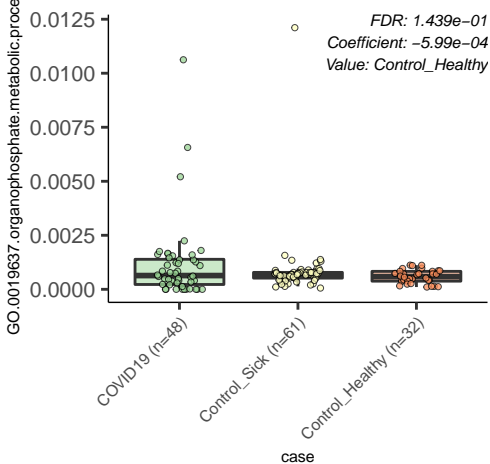


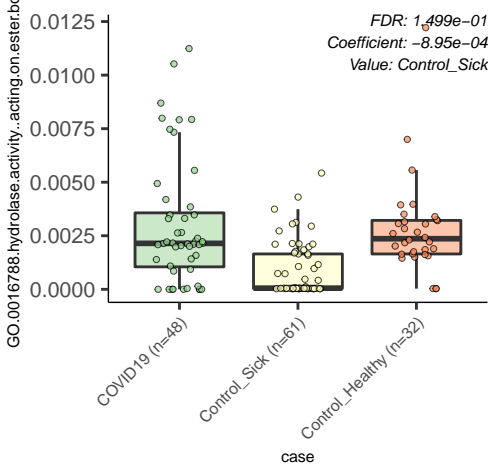
GO.0006725.cellular.aromatic.compound.metabolic.



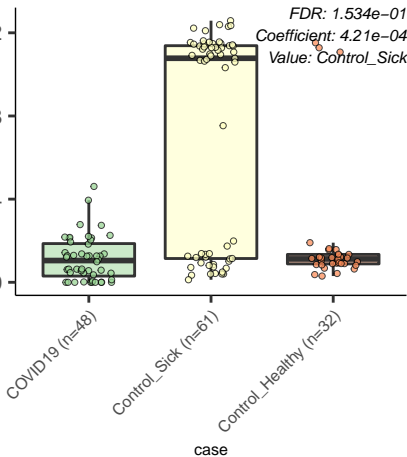
GO.1901564.organonitrogen.compound.metabolic.p



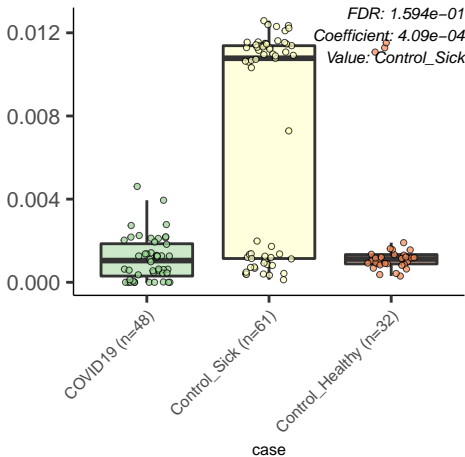




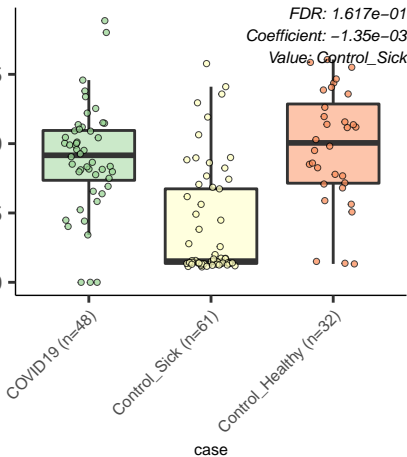
GO.0016817.hydrolase.activity..acting.on.acid.anhy

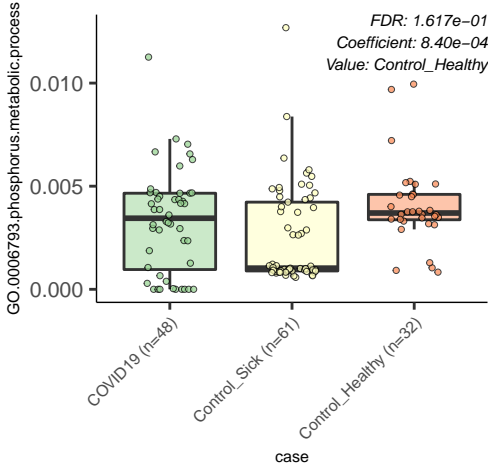


D.0016818.hydrolase.activity..acting.on.acid.anhydrides..in.phospho

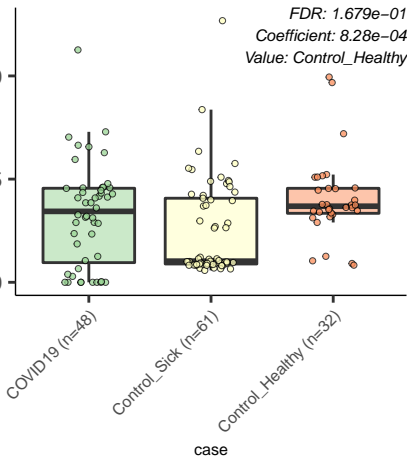


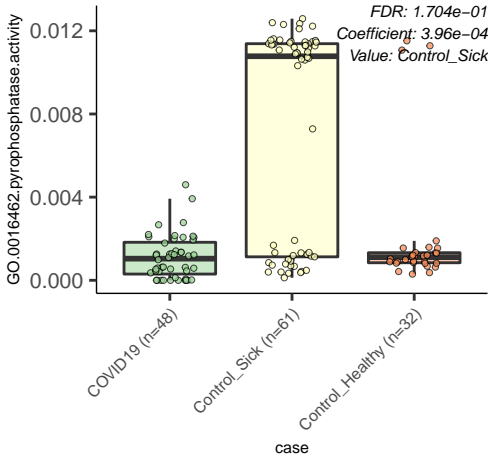
GO.0006725.cellular.aromatic.compound.metabolic.

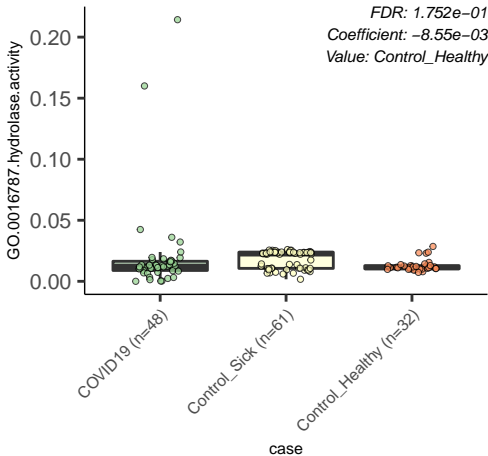


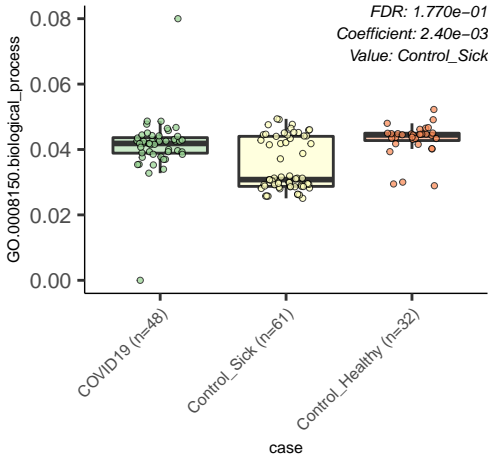


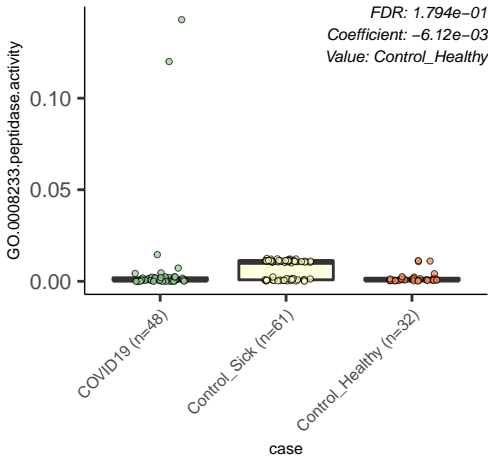
GO.0006796.phosphate.containing.compound.metabo

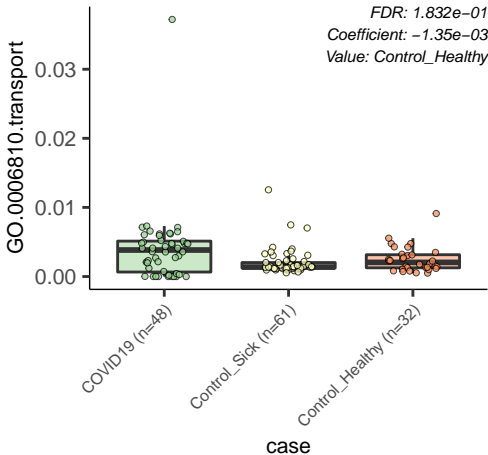


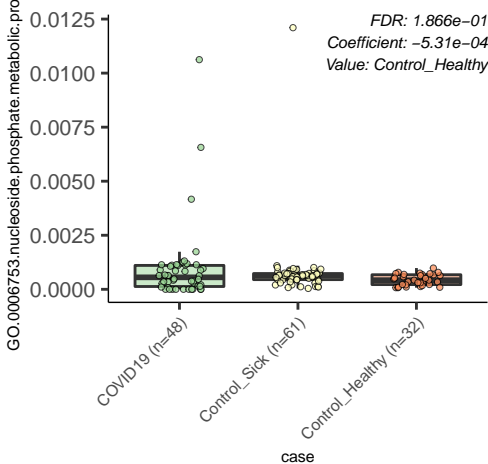


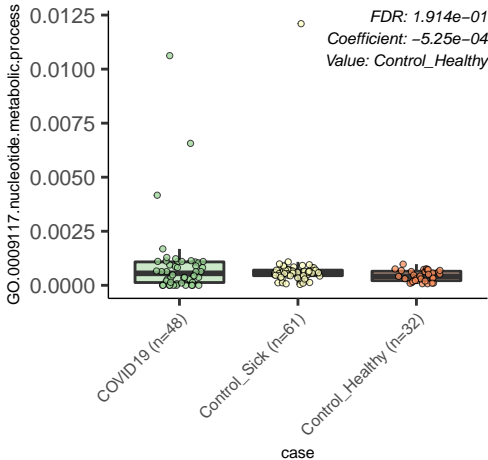


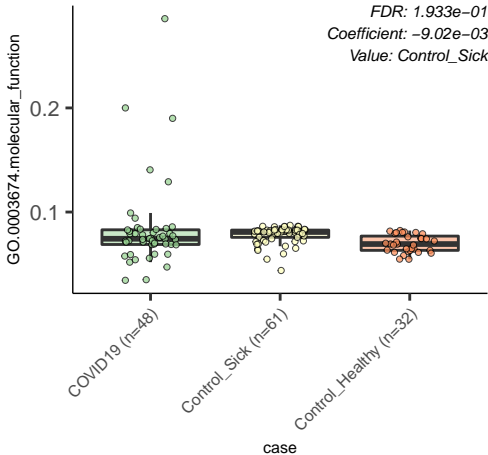


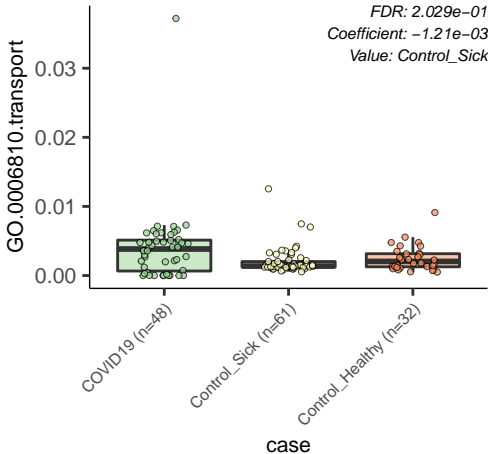


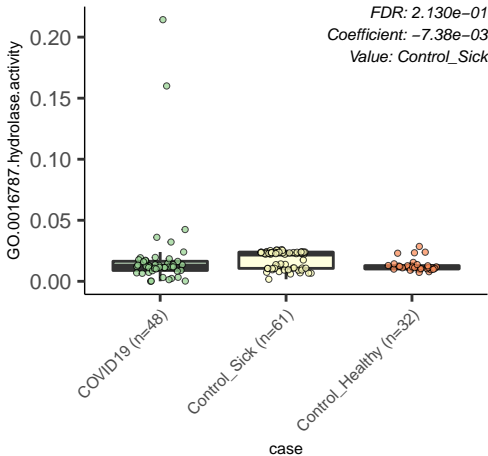


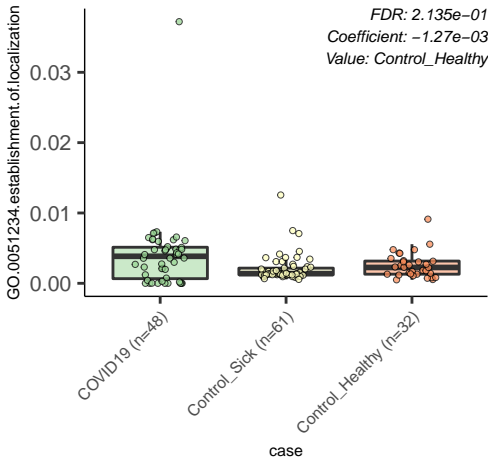




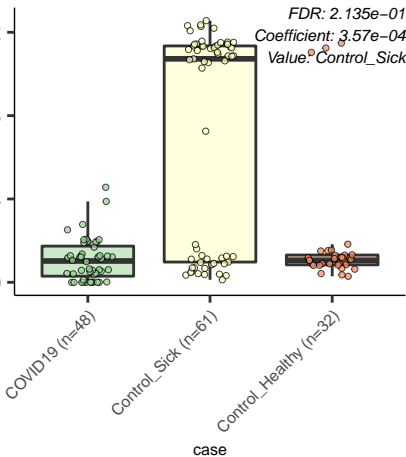








GO.0017111.nucleoside.triphosphatase.activit



GO.0051179.localization

FDR: 2.151e-01

Coefficient: -1.26e-03

Value: Control_Healthy

0.03

0.02

0.01

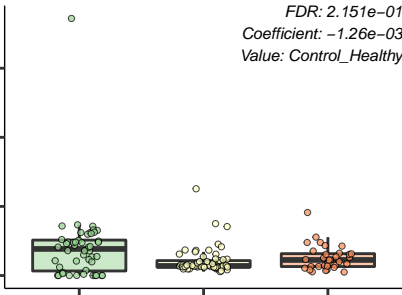
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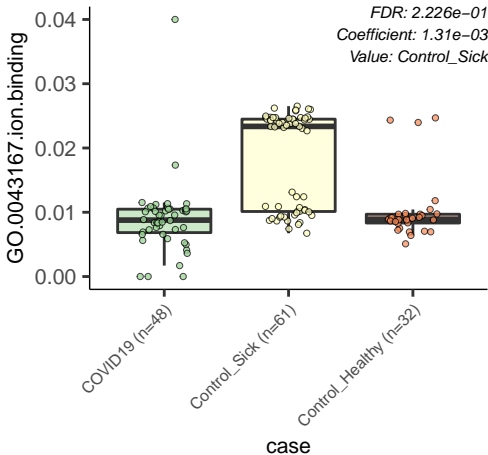
COVID19 (n=48)

Control_Sick (n=61)

Control_Healthy (n=32)

case





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

