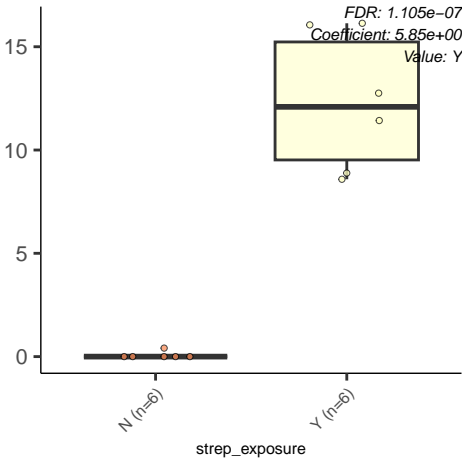
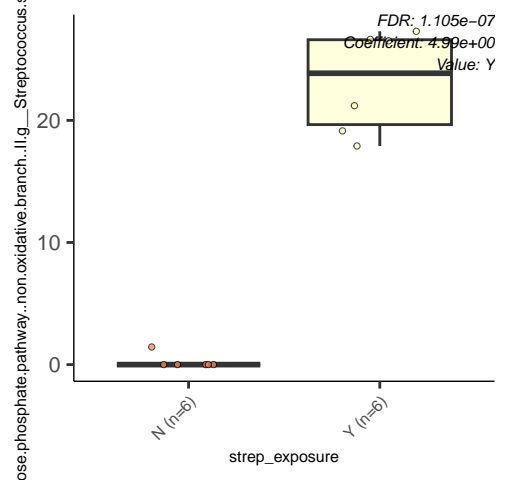


WY.7238..sucrose.biosynthesis.ll.g\_\_Streptococcus





2PWY..UDP.N.acetyl.D.glucosamine.biosynthesis.l.g\_\_Streptococcus

FDR: 1.105e-07  
Coefficient: 5.45e+00  
Value: Y

30

20

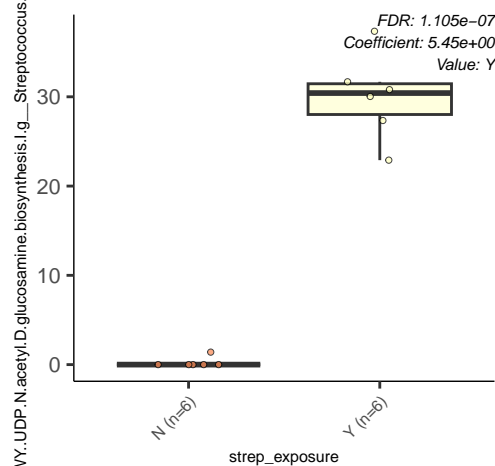
10

0

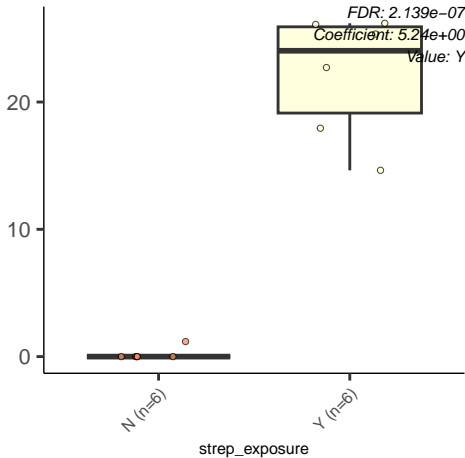
N (n=6)

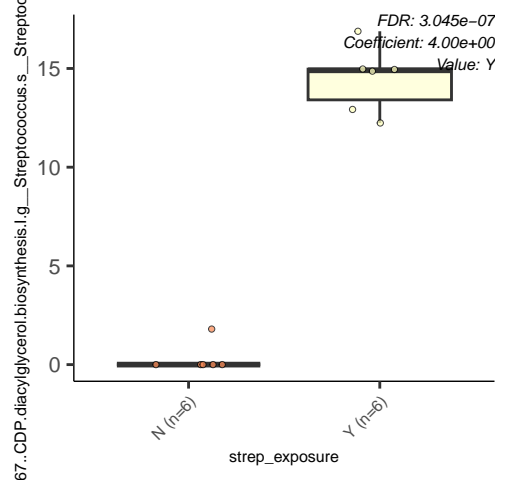
Y (n=6)

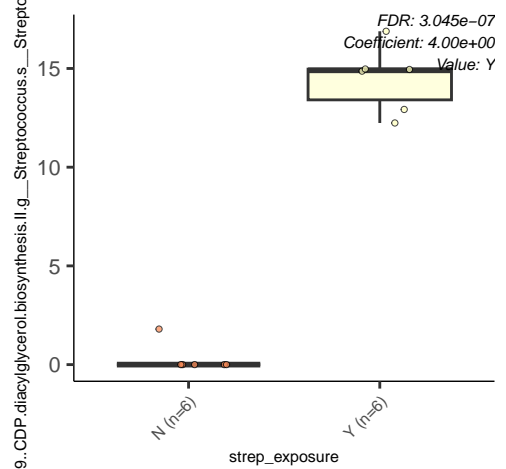
strep\_exposure



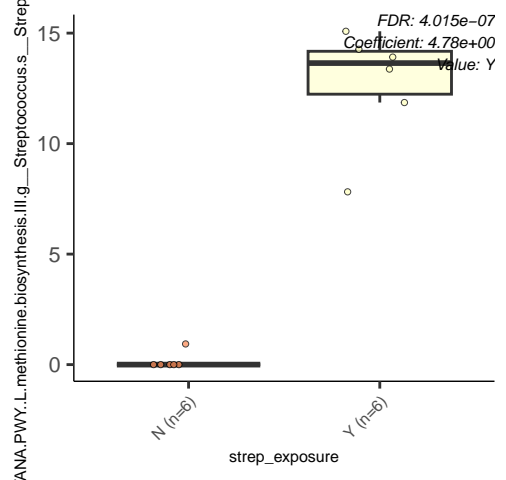
WY.4041...gamma...glutamyl.cycle.g\_\_Streptococcus

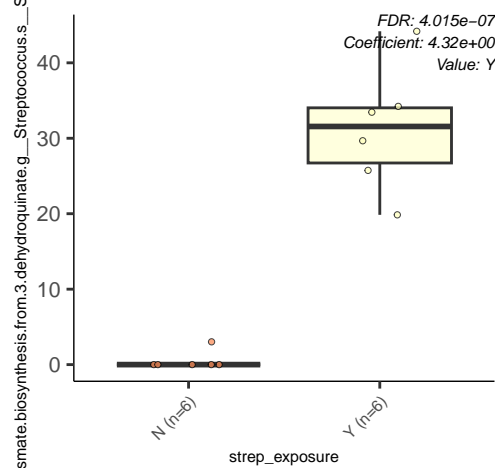


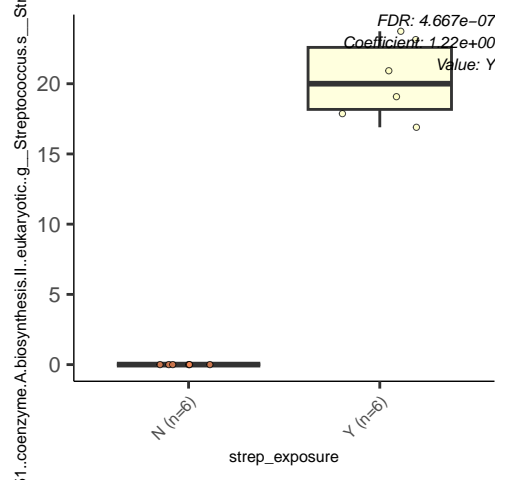


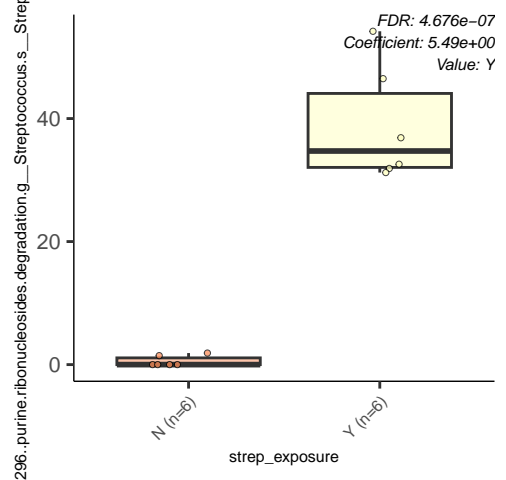


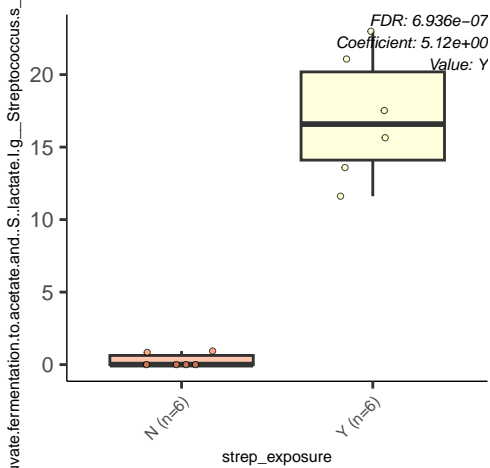


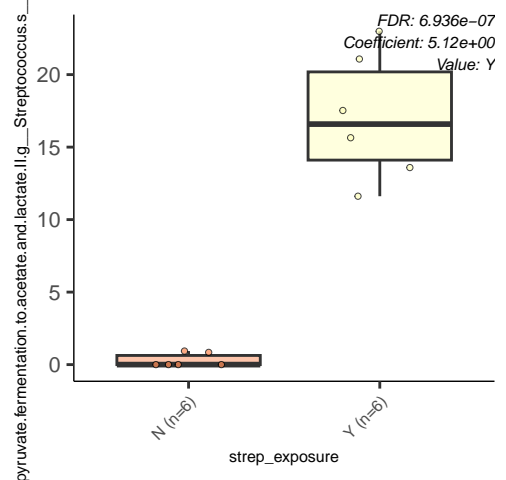




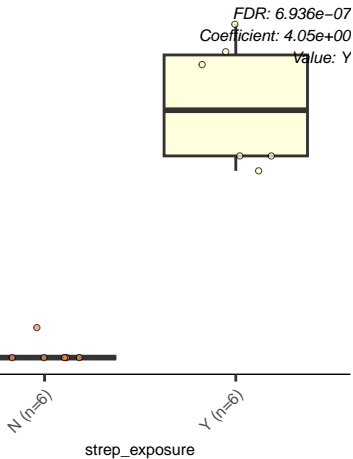


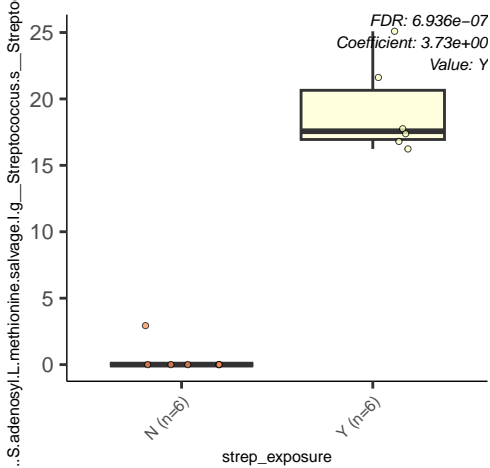




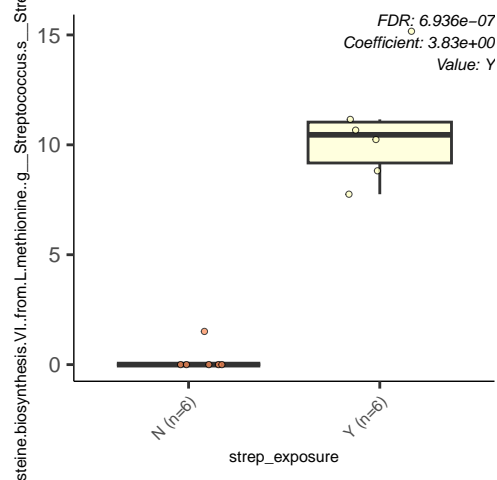


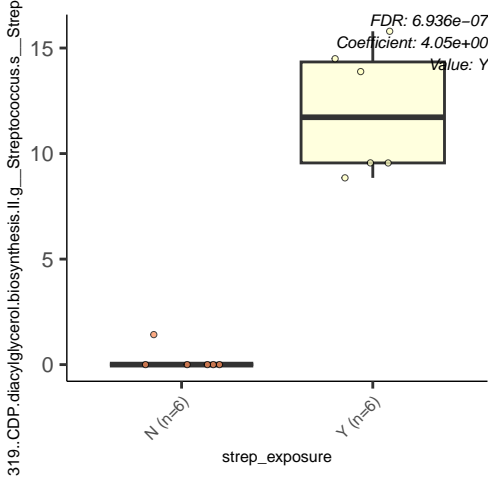
667..CDP.diaclyglycerol.biosynthesis.l.g\_\_Streptococcus.s\_\_Streptococcus

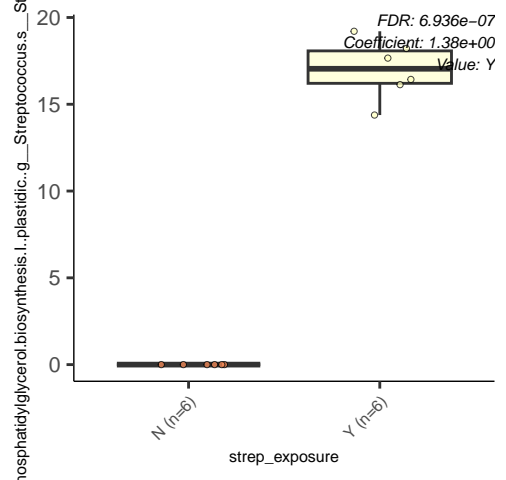


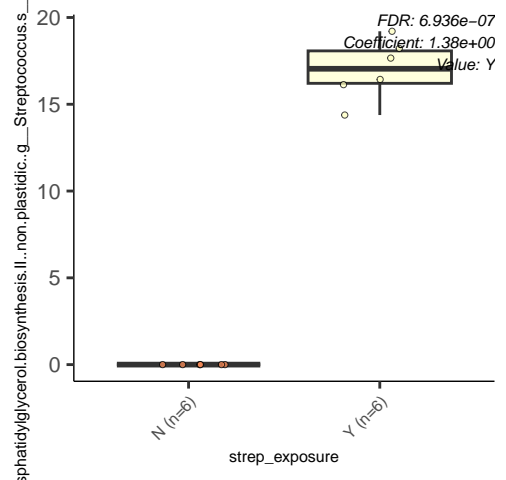


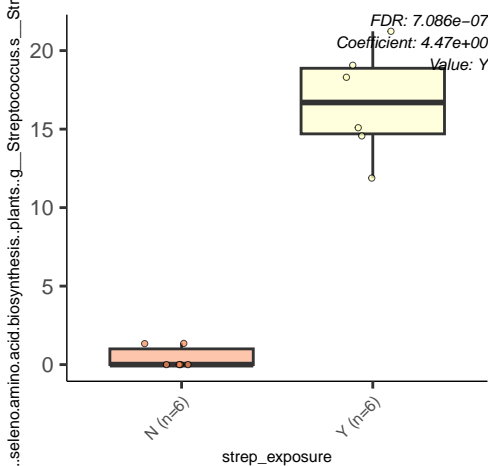


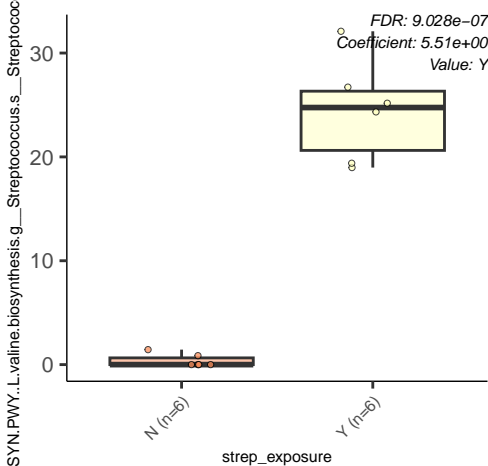


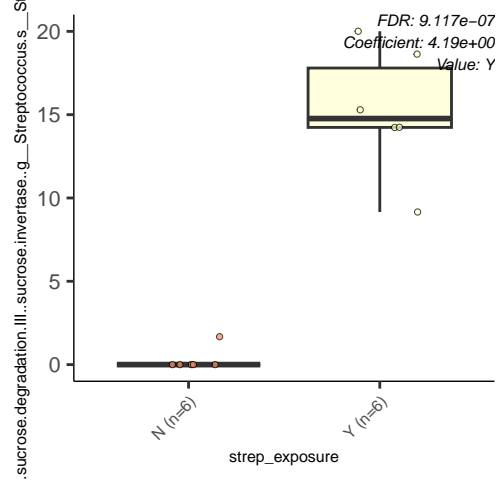




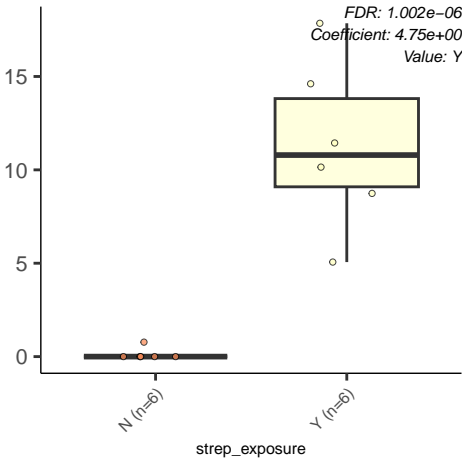




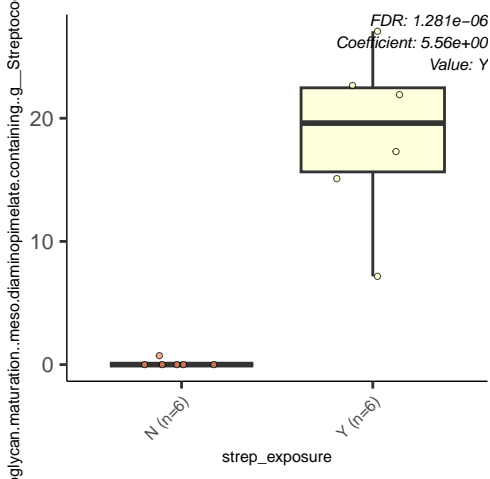


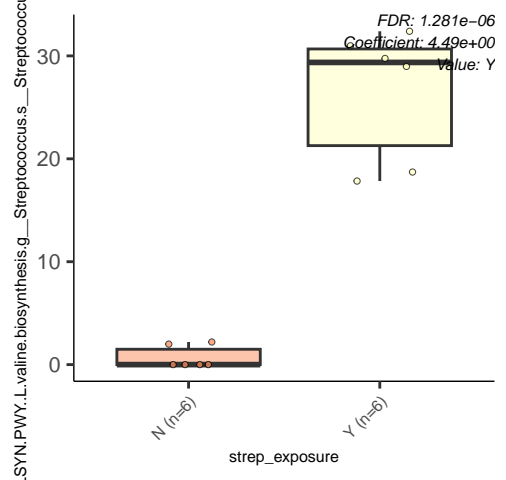


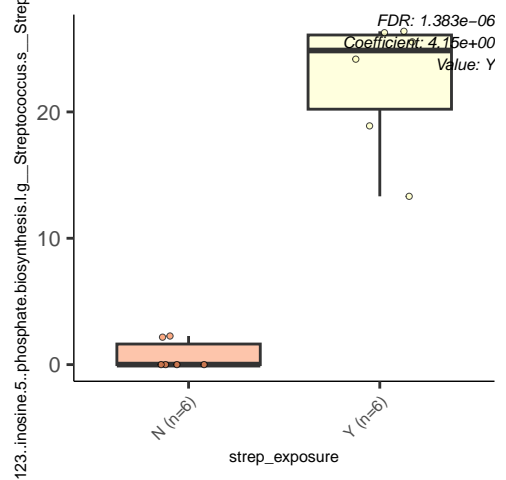
Y702...L.methionine.biosynthesis.ll.g\_\_Streptococcus.s\_\_Streptococ











PWY.822...fructan.biosynthesis.g\_\_Streptococcus.s\_\_Streptococcus

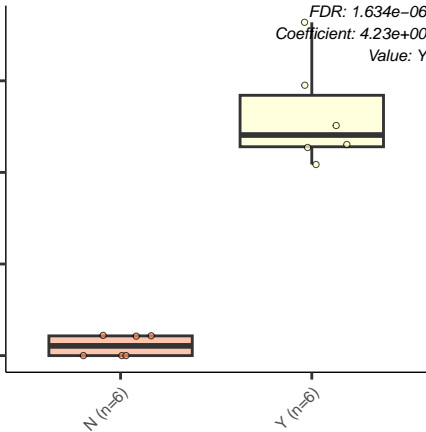
FDR:  $1.634 \times 10^{-6}$   
Coefficient:  $4.23 \times 10^0$   
Value: Y

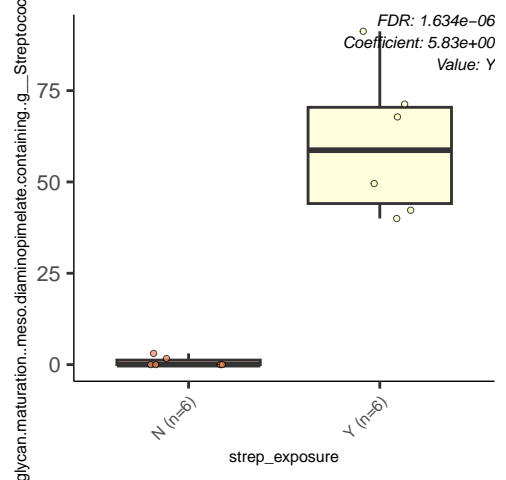
30  
20  
10  
0

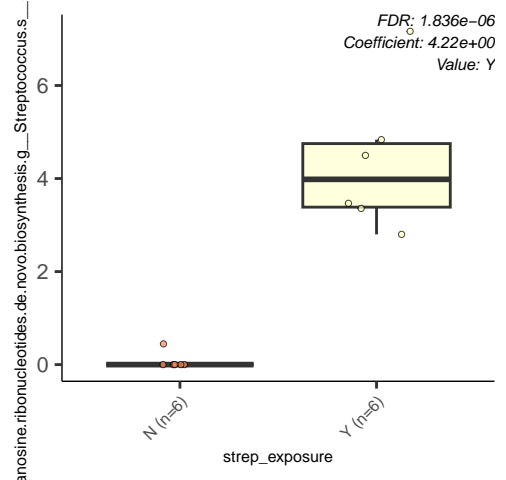
N (n=6)

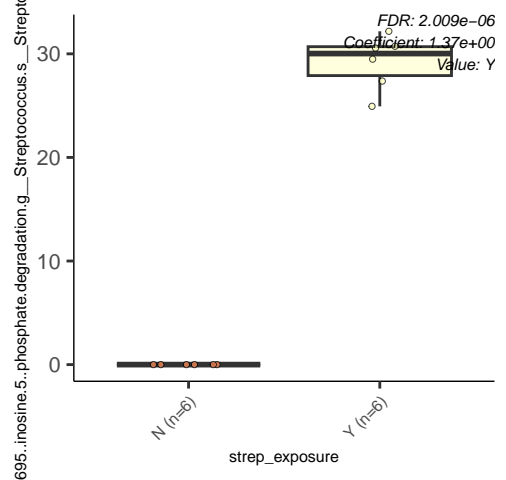
Y (n=6)

strep\_exposure

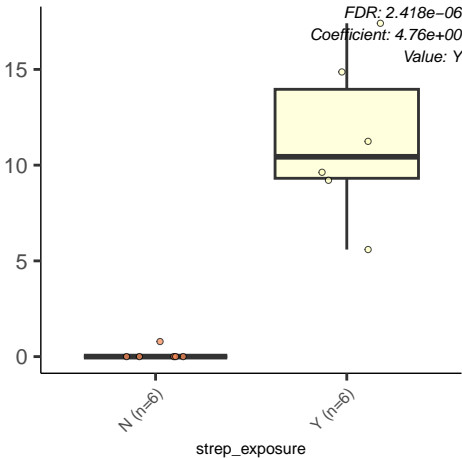




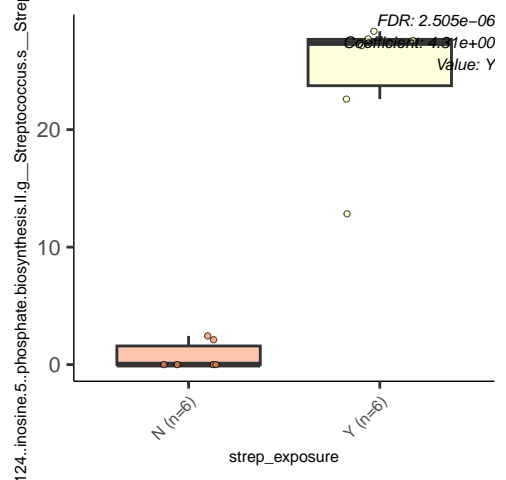




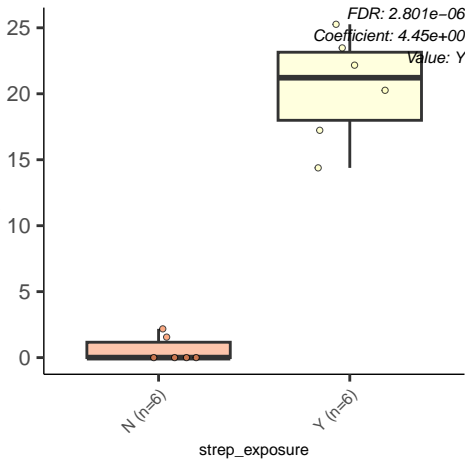
pathway.of.purine.deoxyribonucleosides.degradation.g\_\_Streptococcus

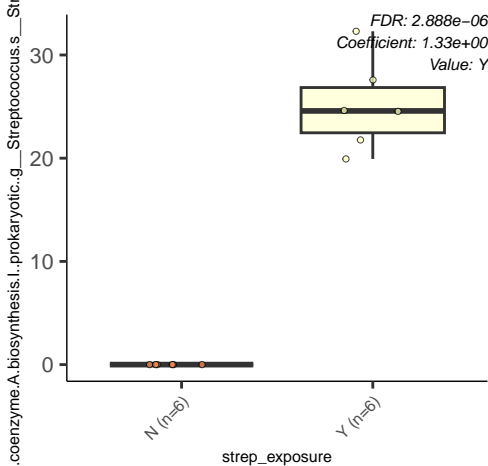




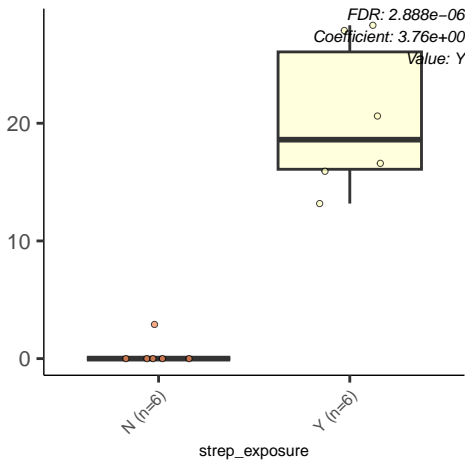


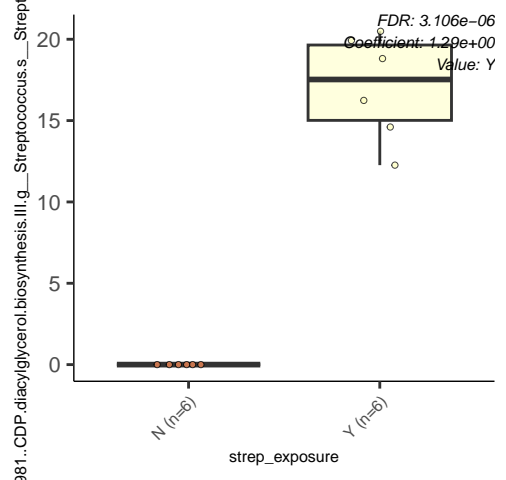
341...folate.transformations.ll.plants..g\_\_Streptococcus



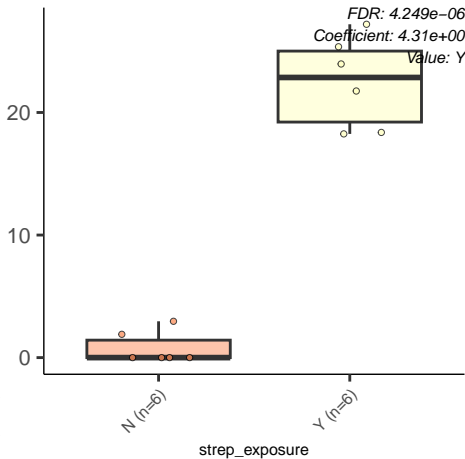


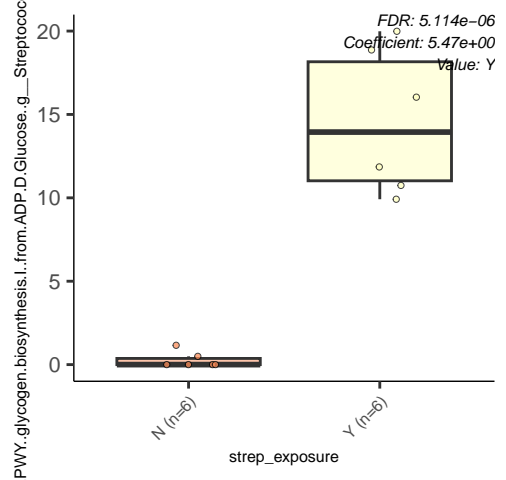
anosine.ribonucleotides.de.novo.biosynthesis.g\_\_Streptococcus.s



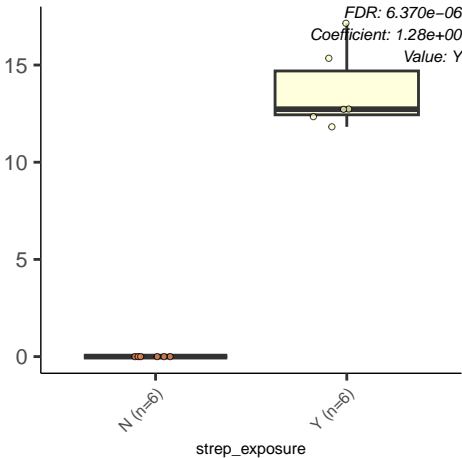


WY.glycogen.biosynthesis.l..from.ADP.D.Glucose..g\_\_Streptococcus

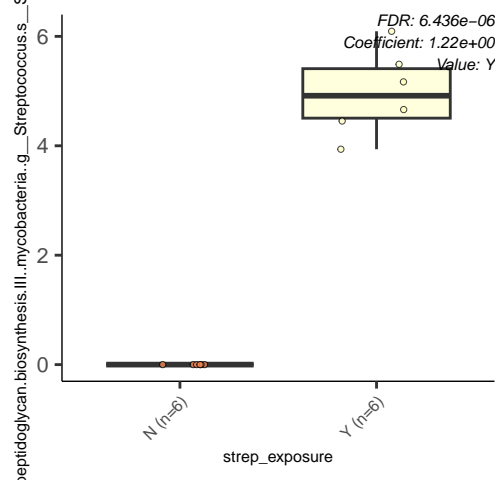


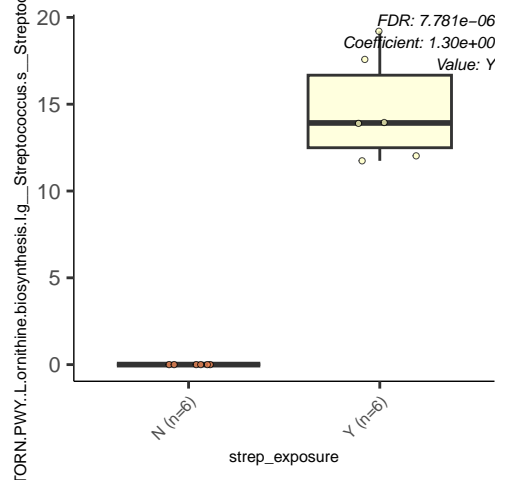


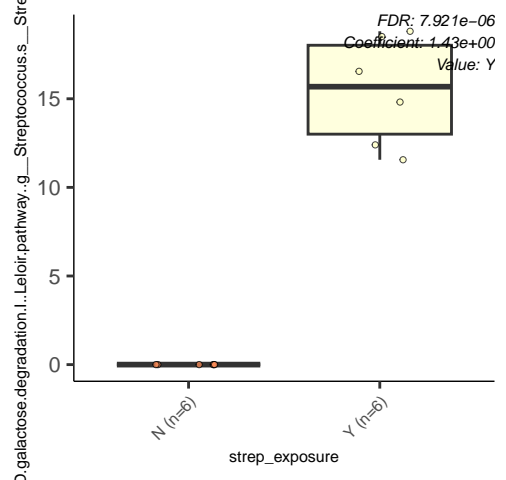
I.pentapeptide.biosynthesis.l...meso.diaminopimelate.containing..g



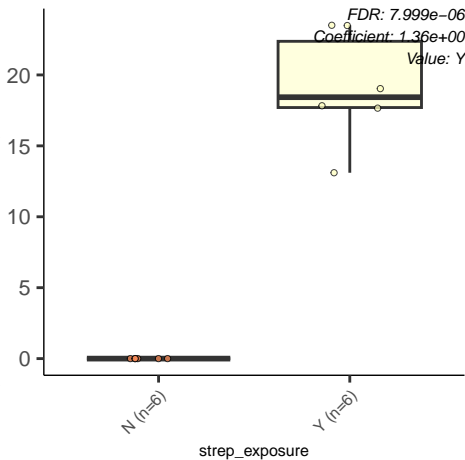


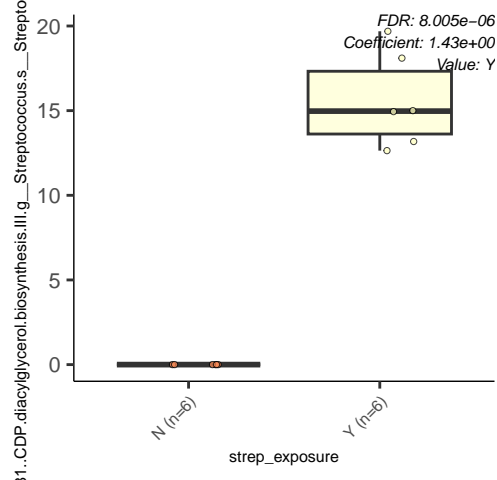


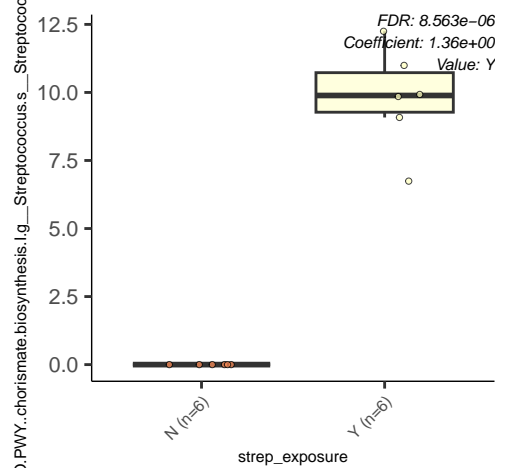


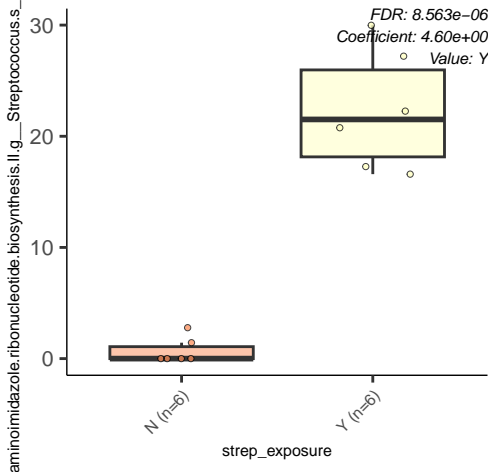


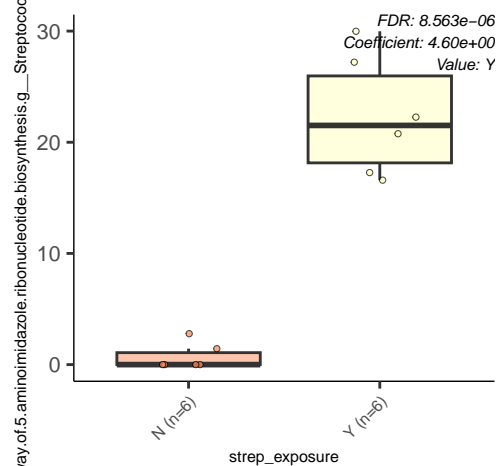
B.PWY..L.arginine.biosynthesis.II..acetyl.cycle..g\_\_Streptococcus.s



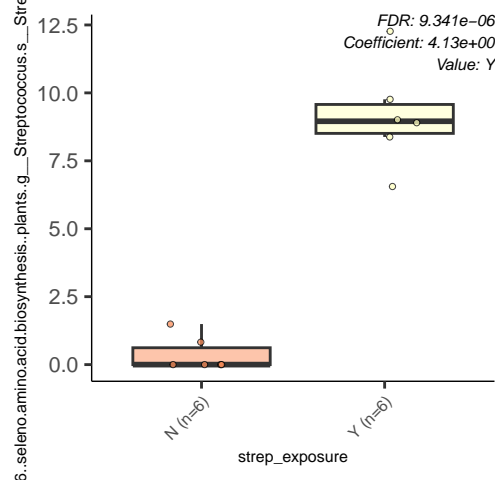












nosine.ribonucleotides.de.novo.biosynthesis.g\_\_Streptococcus.s\_\_s

FDR: 9.558e-06  
Coefficient: 1.40e+00  
Value: Y

20

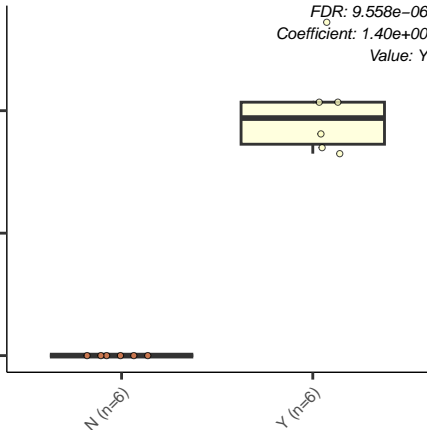
10

0

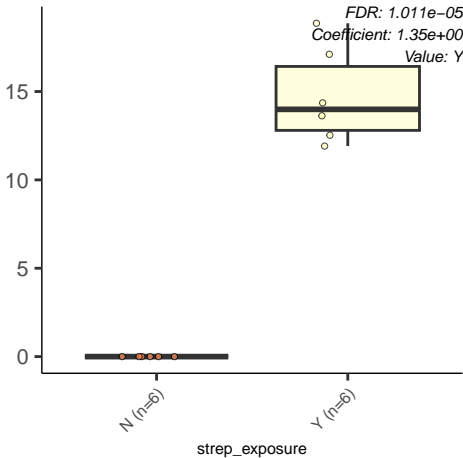
N (n=6)

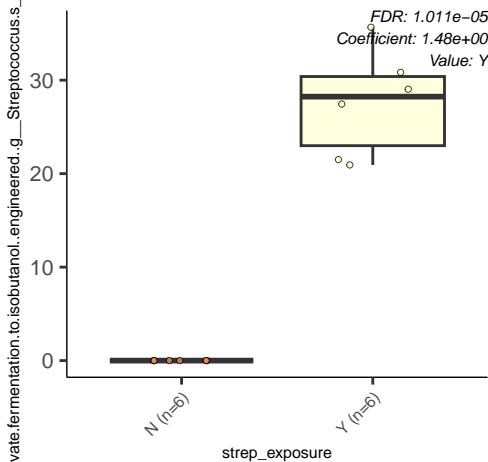
Y (n=6)

strep\_exposure

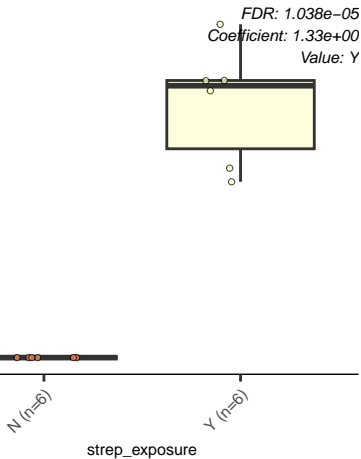


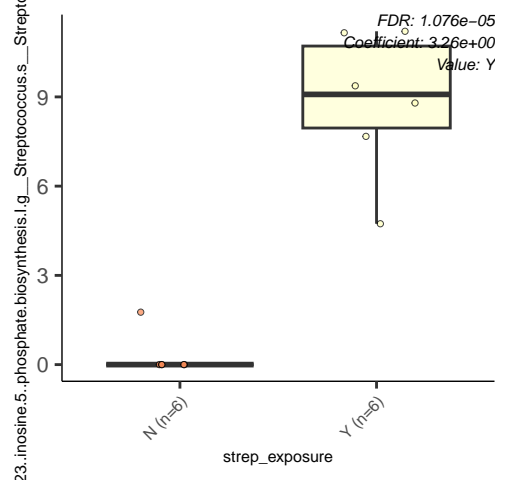
ptidoglycan.biosynthesis.l..meso.diaminopimelate.containing..g\_\_St





Y..superpathway.of.aromatic.amino.acid.biosynthesis.g\_\_Streptococcus





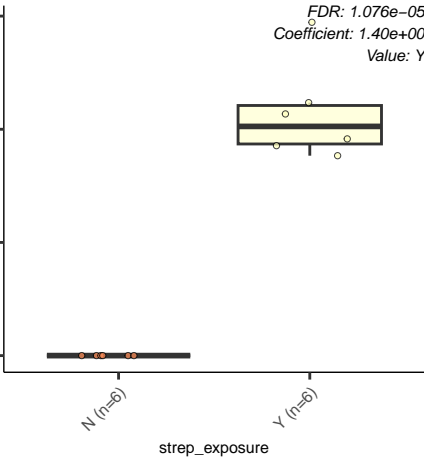
FDR: 1.076e-05  
Coefficient: 1.40e+00  
Value: Y

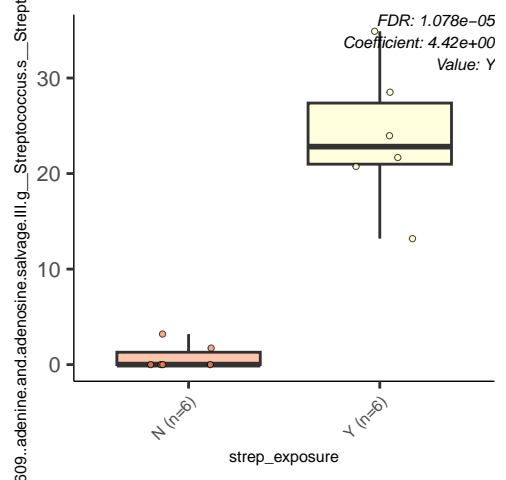
30  
20  
10  
0

N (n=6)

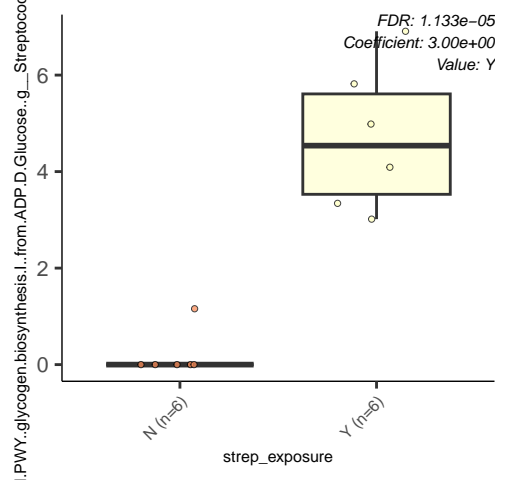
Y (n=6)

strep\_exposure

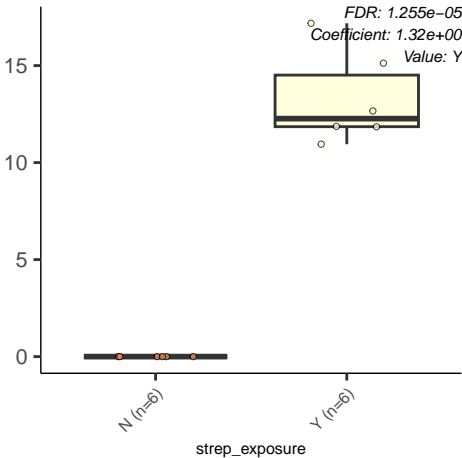


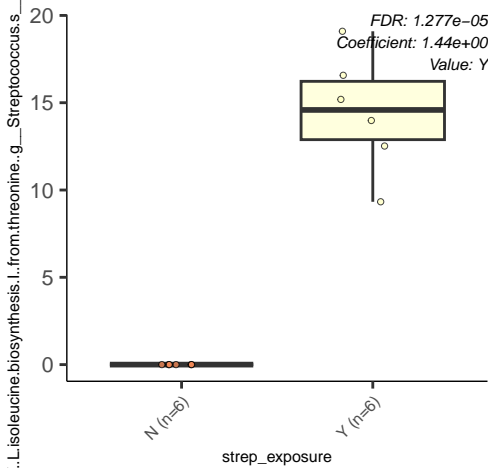


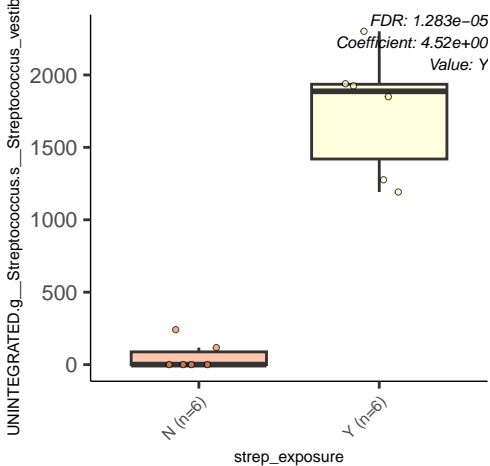


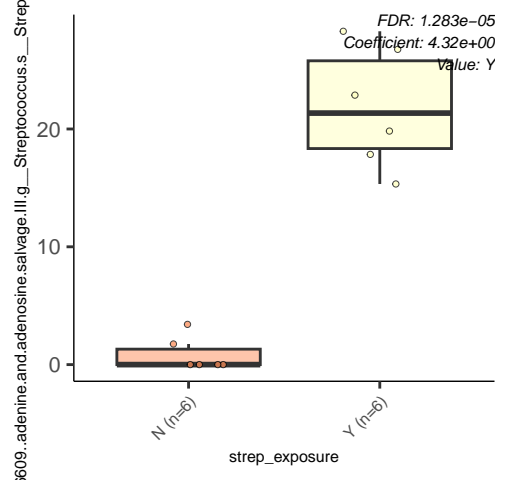


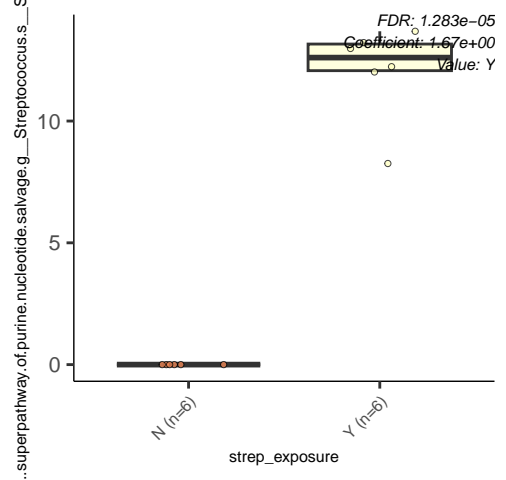
muramoyl.pentapeptide.biosynthesis.II...lysine.containing..g\_\_Streptococcus

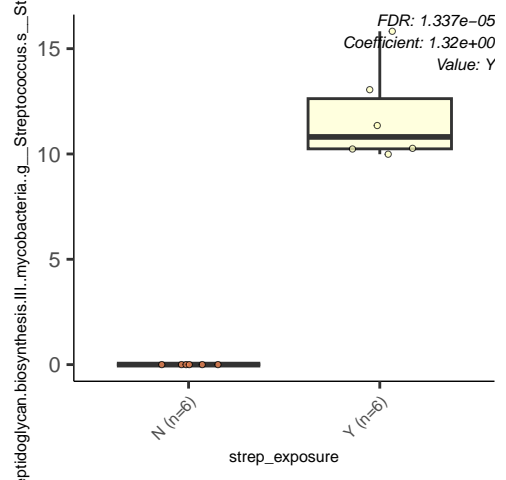


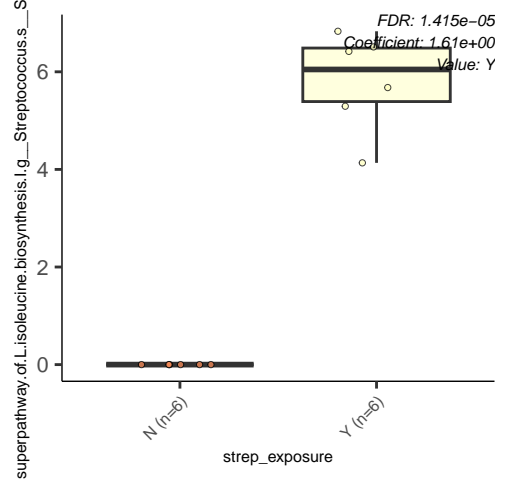




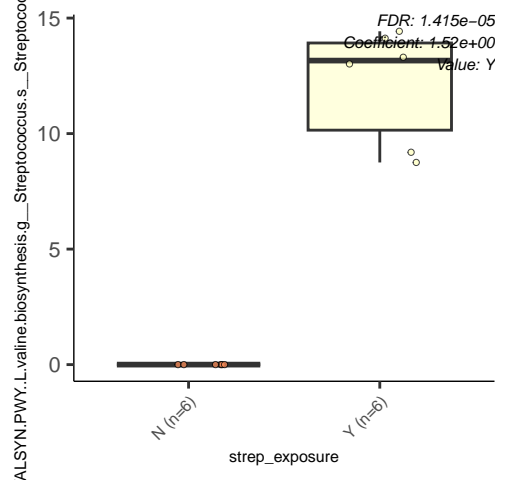




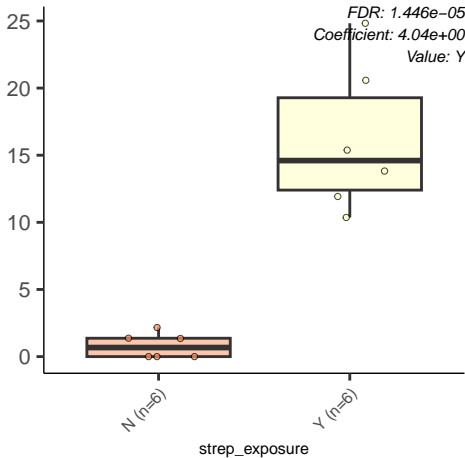


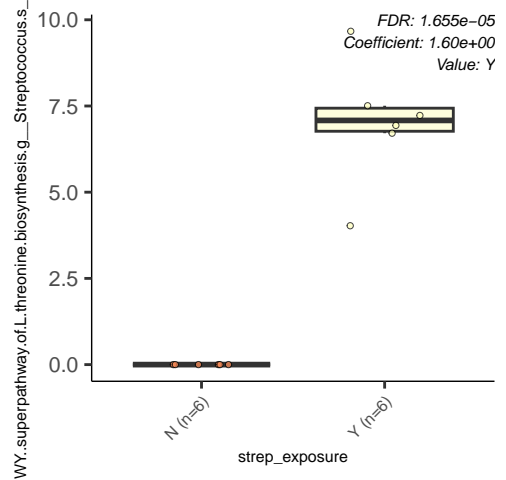


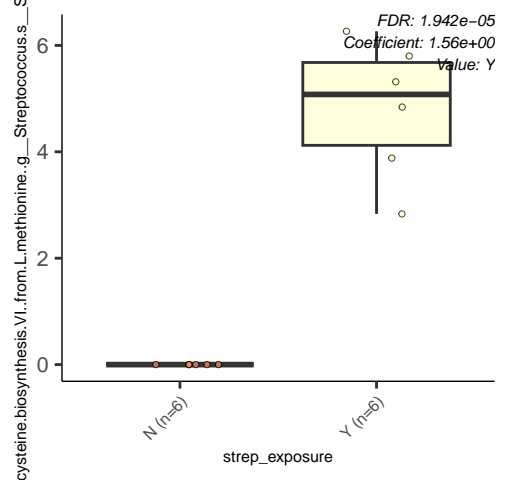


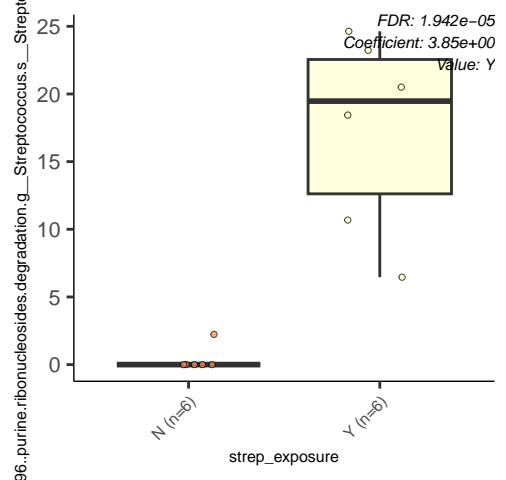


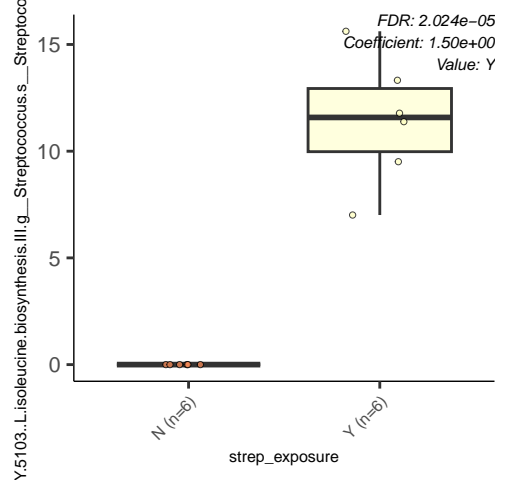
PWY.822...fructan.biosynthesis.g\_\_Streptococcus.s\_\_Streptococcus

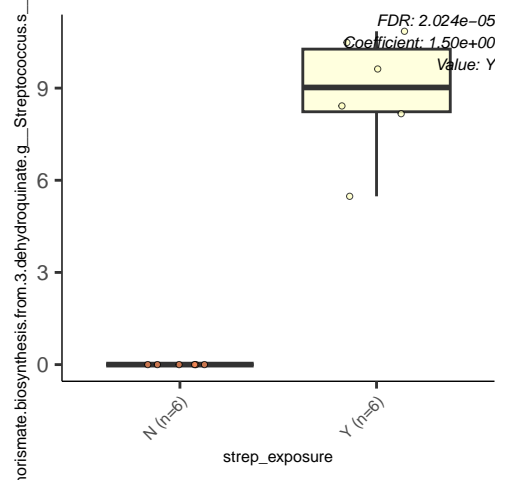


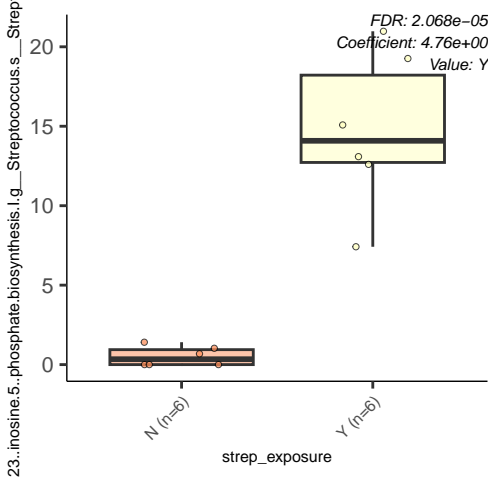




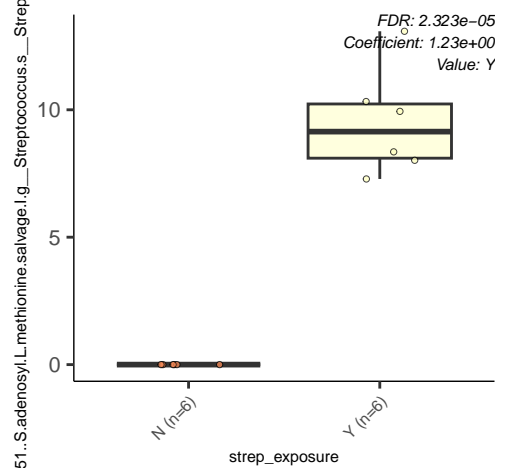




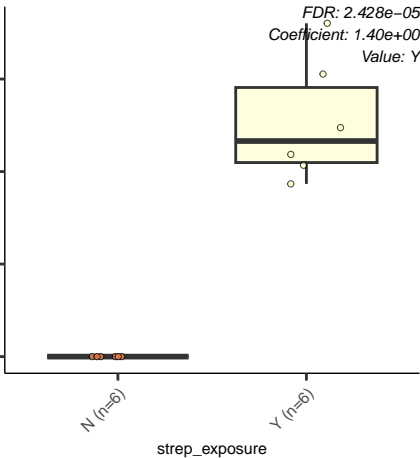




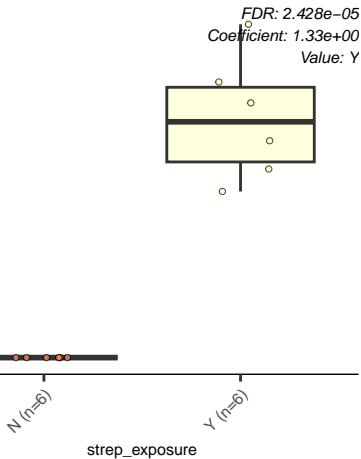


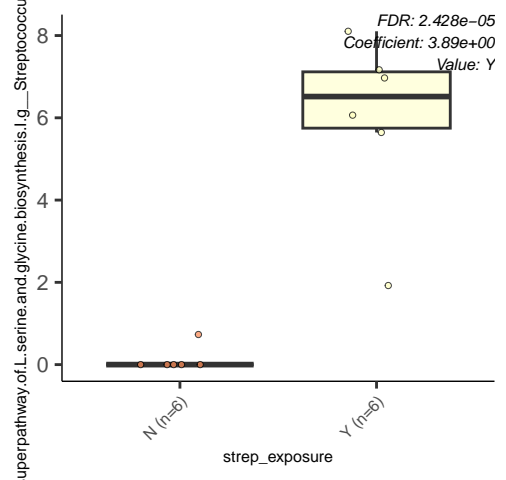


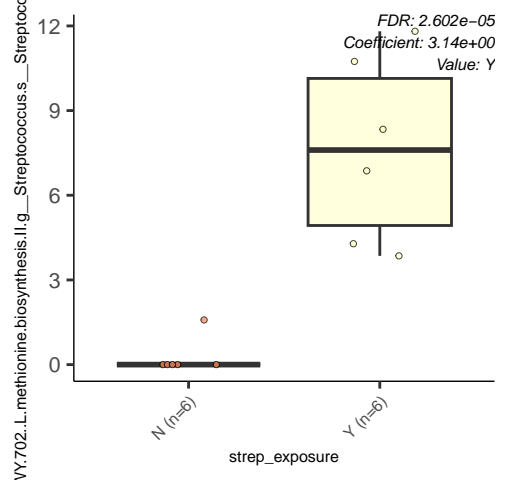
peptidoglycan.biosynthesis.l...meso.diaminopimelate.containing..g

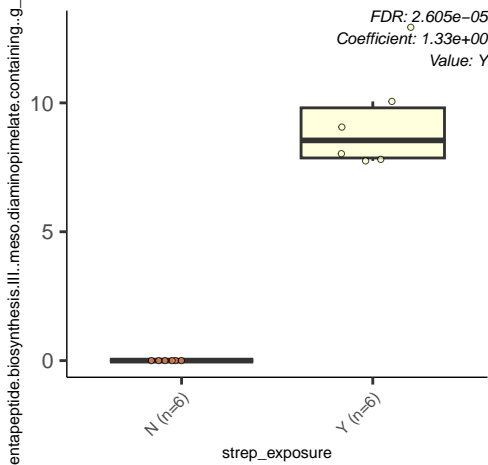


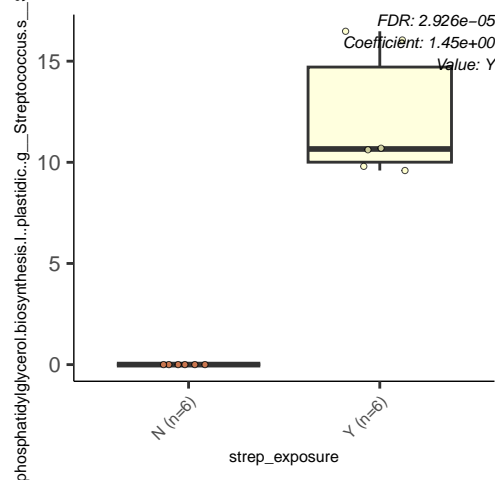
pyl.pentapeptide.biosynthesis.III..meso.diaminopimelate.containing..g

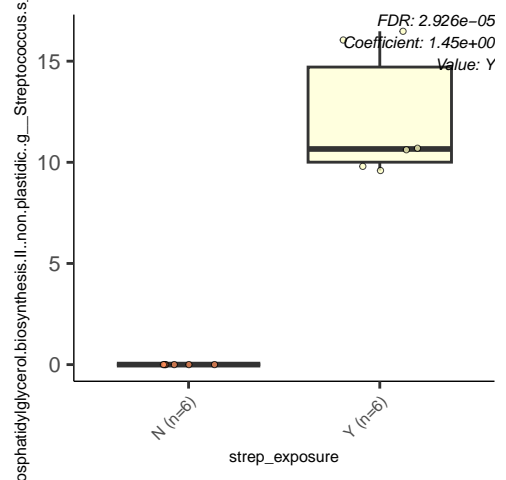






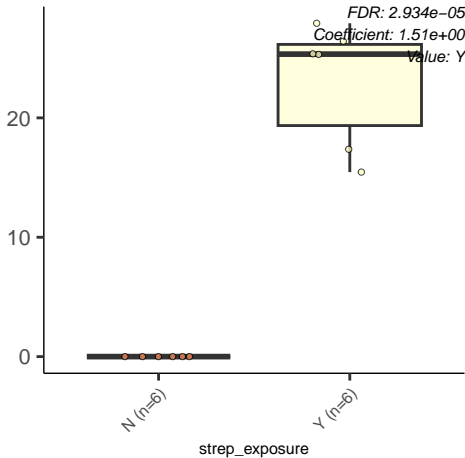


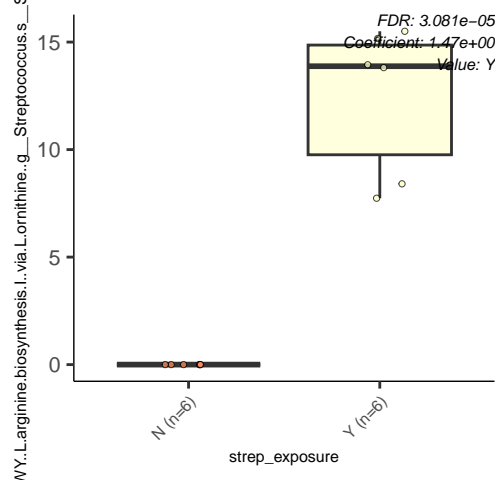


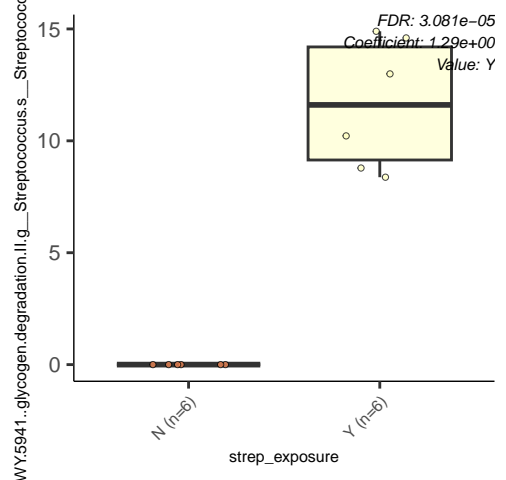


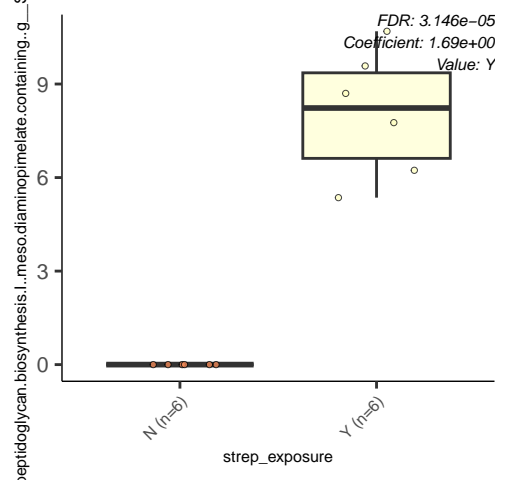


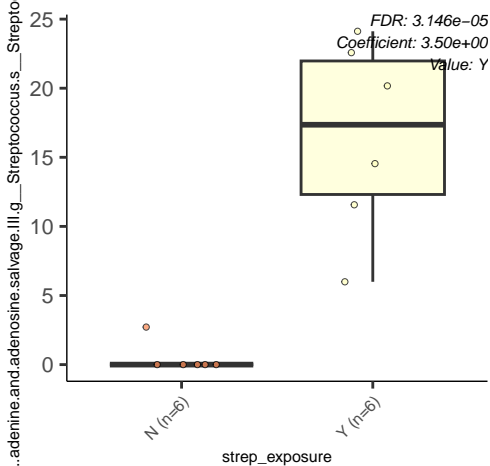
.D.galactose.degradation.l..Leloir.pathway..g\_\_Streptococcus.s\_\_St

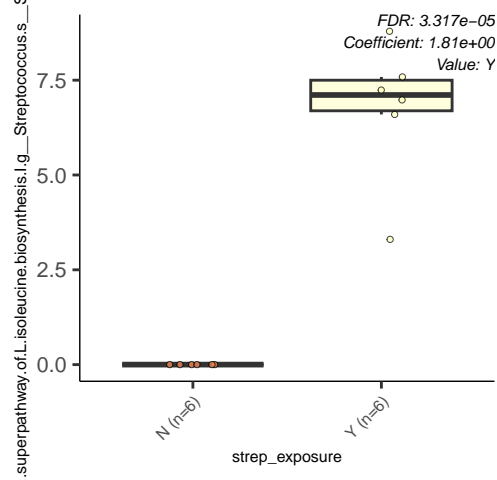


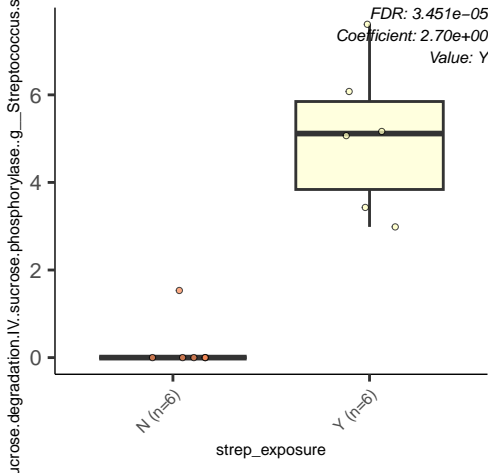




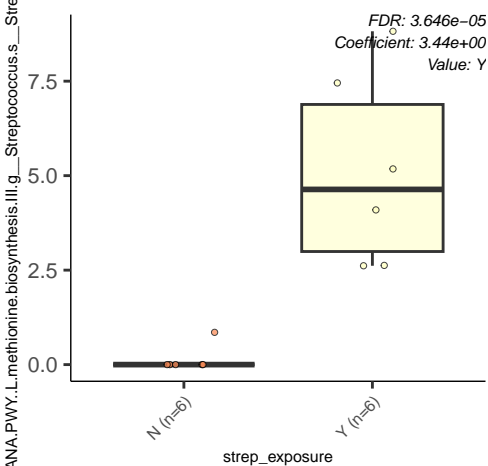




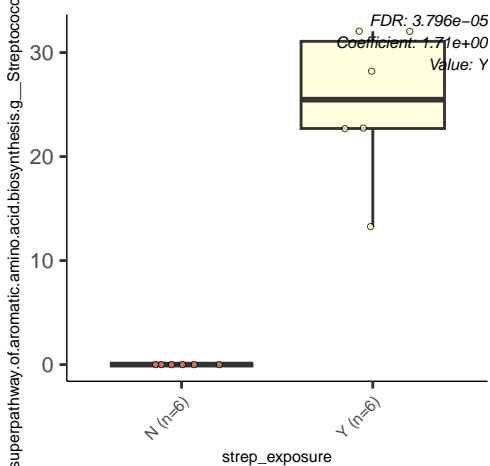


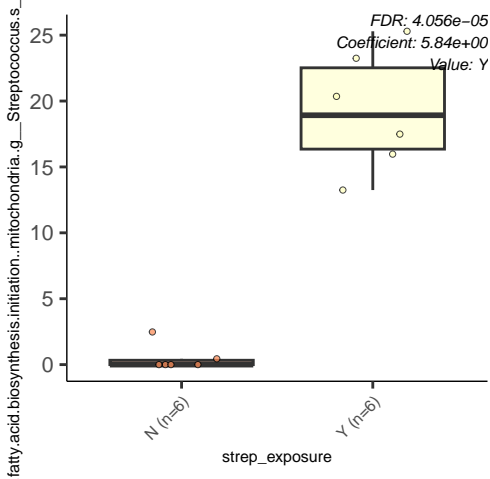


TANA.PWY..L.methionine.biosynthesis.III.g\_\_Streptococcus.s\_\_Stre



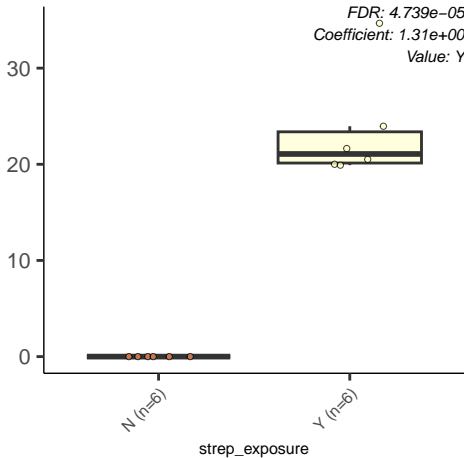






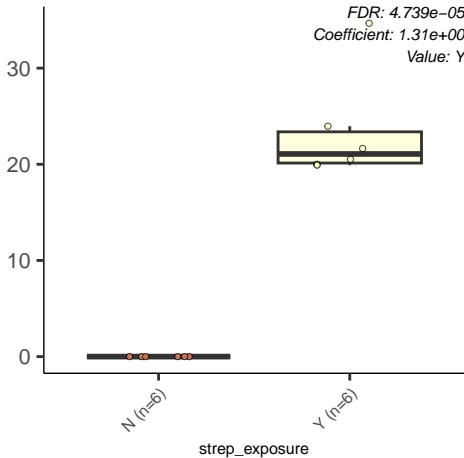
ine.deoxyribonucleotides.de.novo.biosynthesis.ll.g\_\_Streptococcus.s

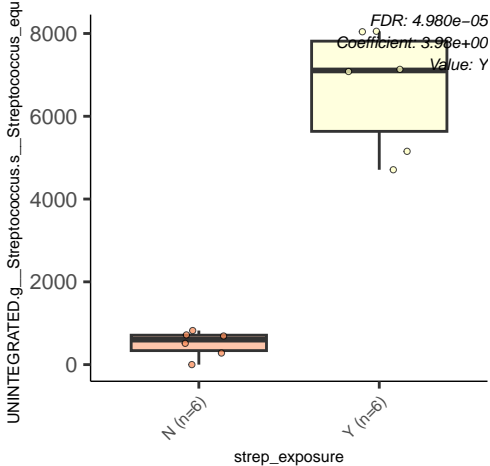
FDR:  $4.739 \times 10^{-5}$   
Coefficient:  $1.31 \times 10^0$   
Value: Y

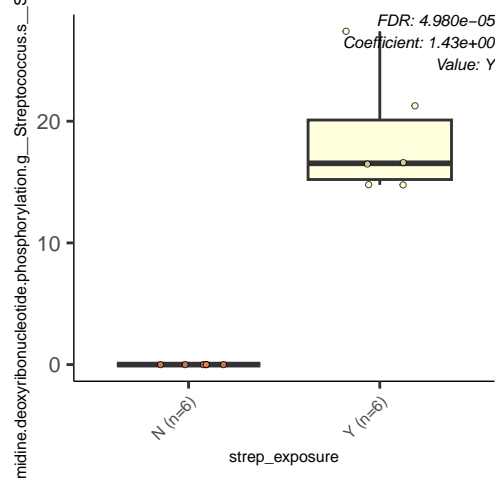


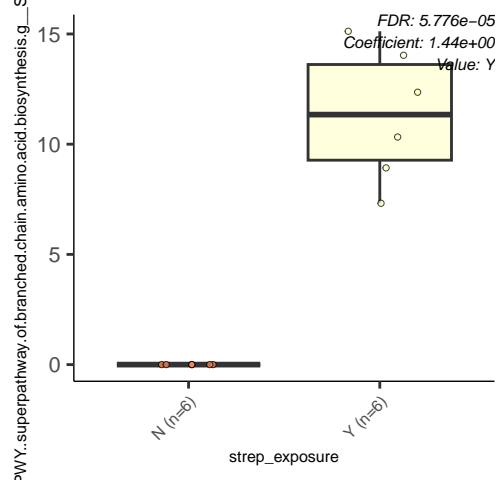
ine.deoxyribonucleotides.de.novo.biosynthesis.ll.g\_\_Streptococcus.s

FDR:  $4.739 \times 10^{-5}$   
Coefficient:  $1.31 \times 10^0$   
Value: Y

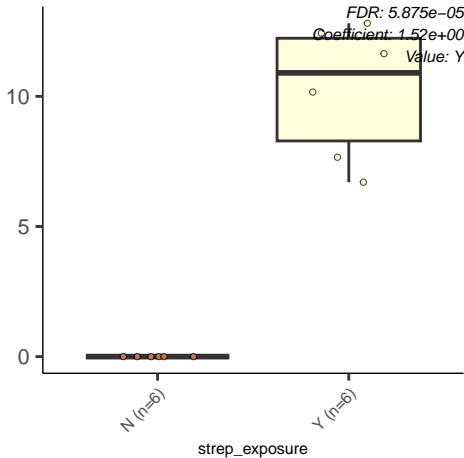




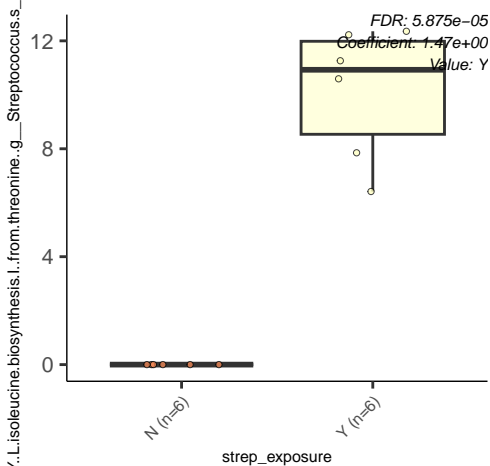


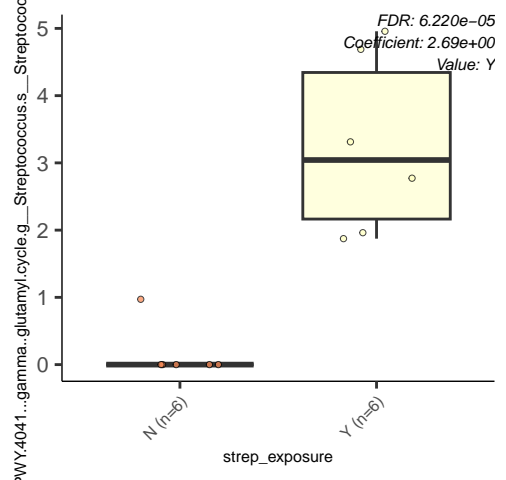


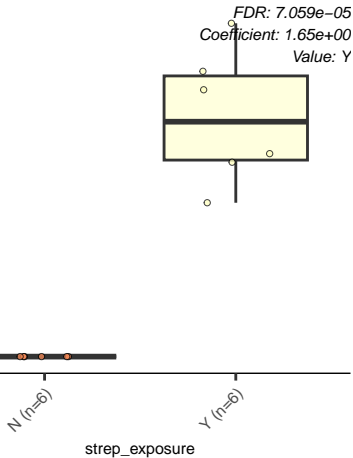
PWY.superpathway.of.branched.chain.amino.acid.biosynthesis.g



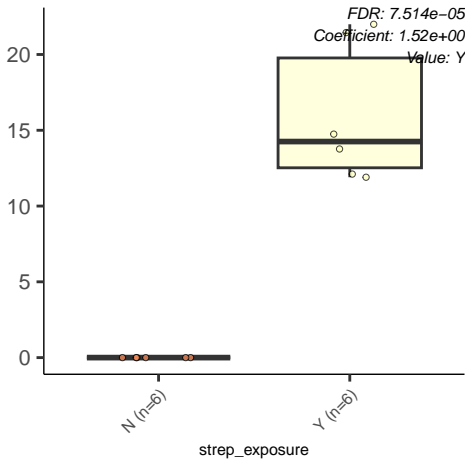


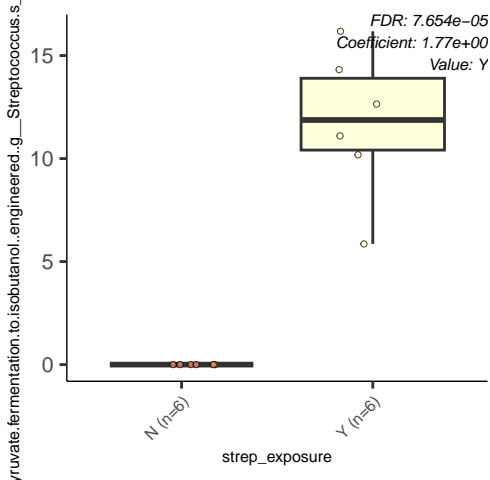


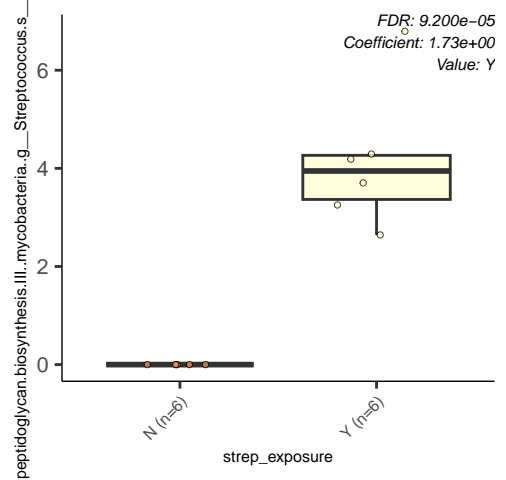


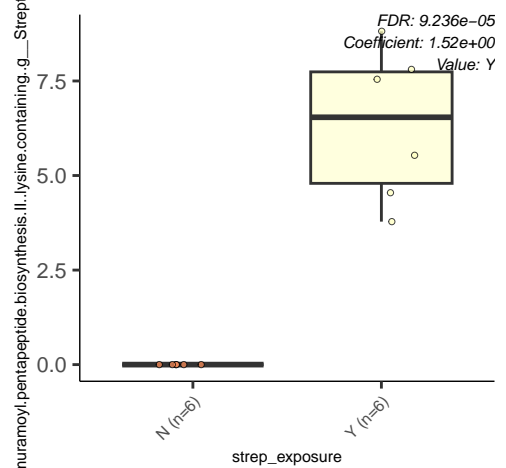


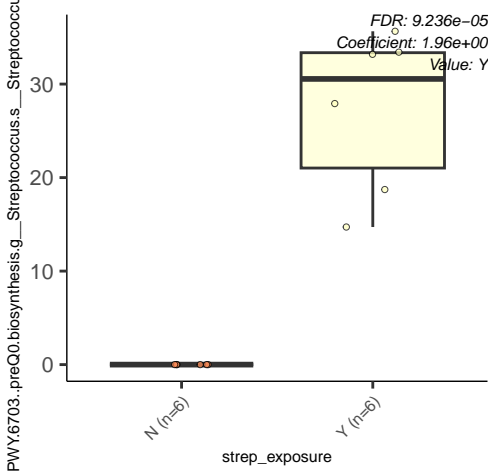
way.of.guanosine.nucleotides.de.novo.biosynthesis.II.g\_\_Streptococ



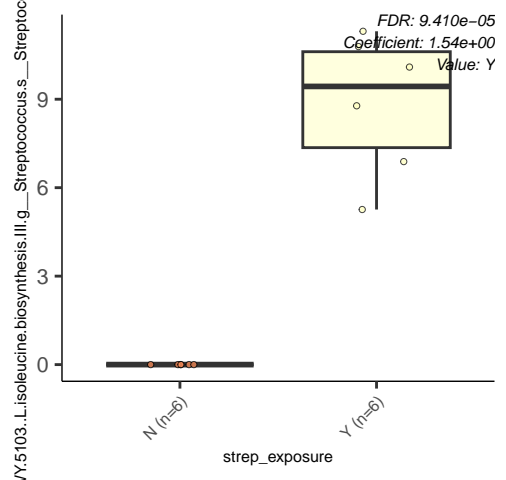




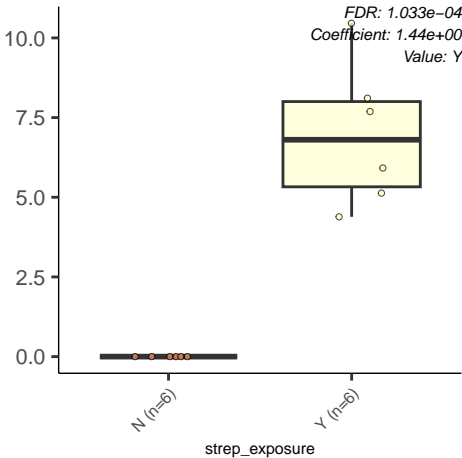


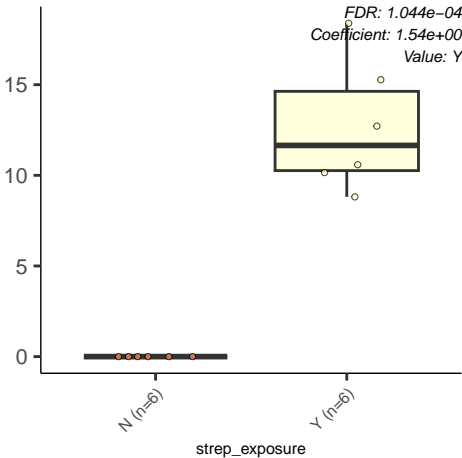


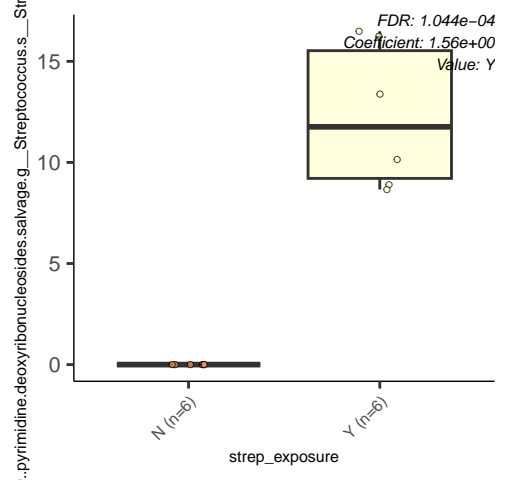


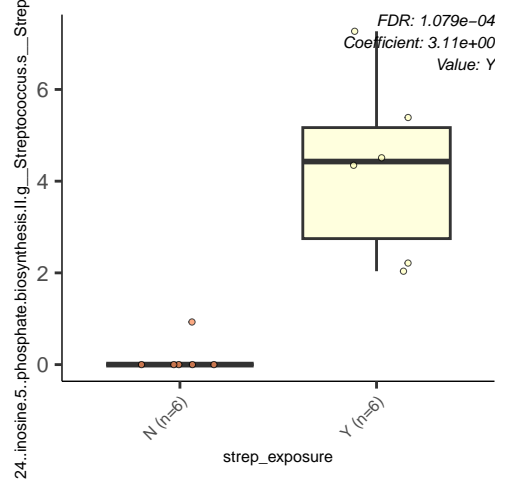


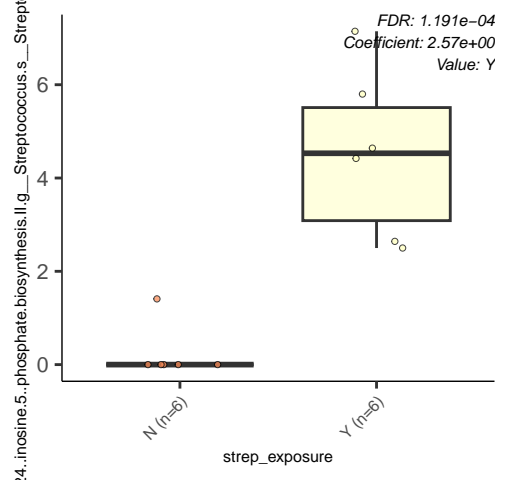
oyl.pentapeptide.biosynthesis.l.meso.diaminopimelate.containing.g

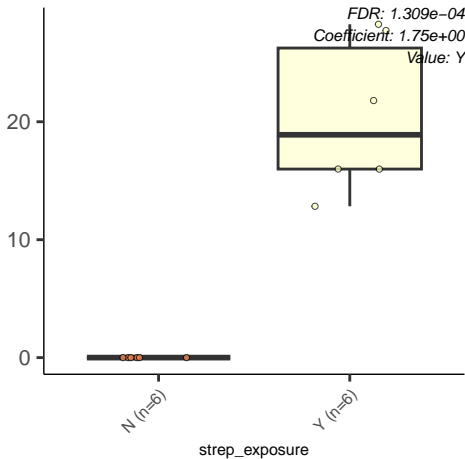


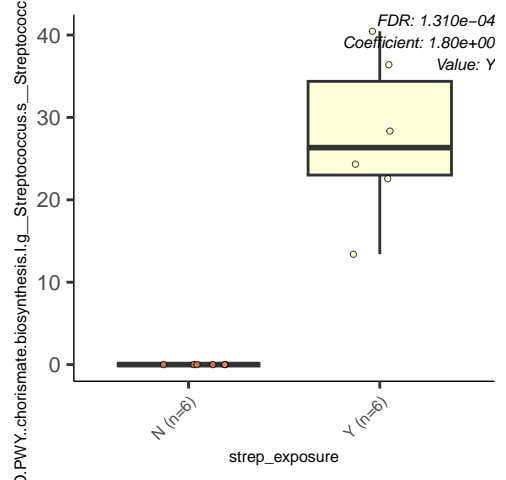




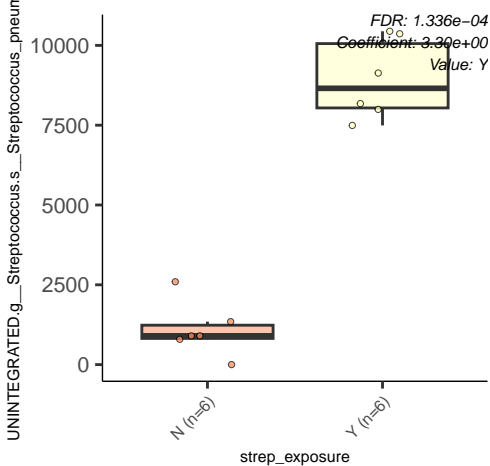


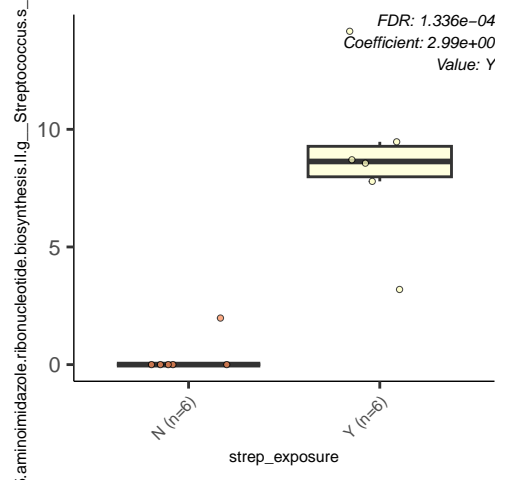












hway.of.5.aminoimidazole.ribonucleotide.biosynthesis.g\_\_Streptococ

*FDR: 1.336e-04*  
*Coefficient: 2.99e+00*  
*Value: Y*

10

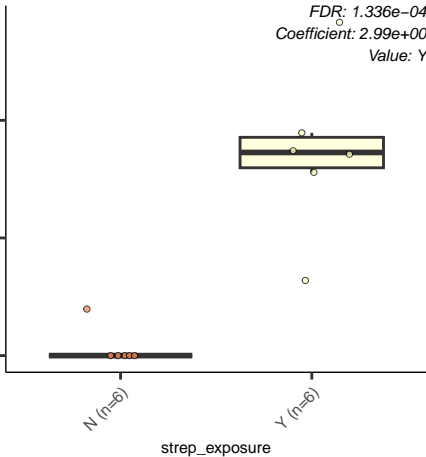
5

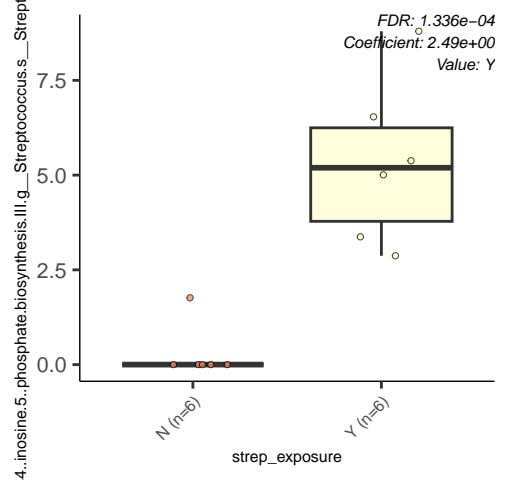
0

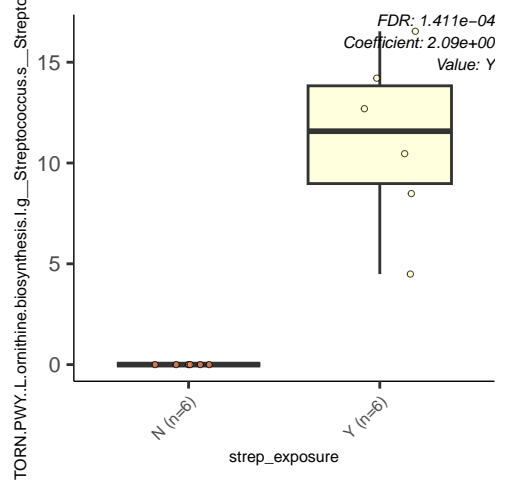
N (n=6)

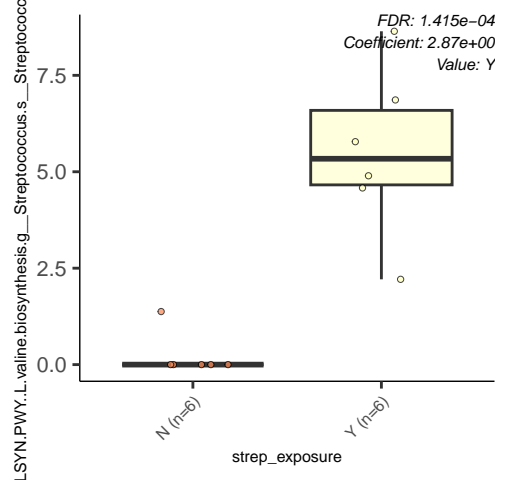
Y (n=6)

strep\_exposure









PWY.5686..UMP.biosynthesis.l.g\_\_Streptococcus.s\_\_Streptococcus

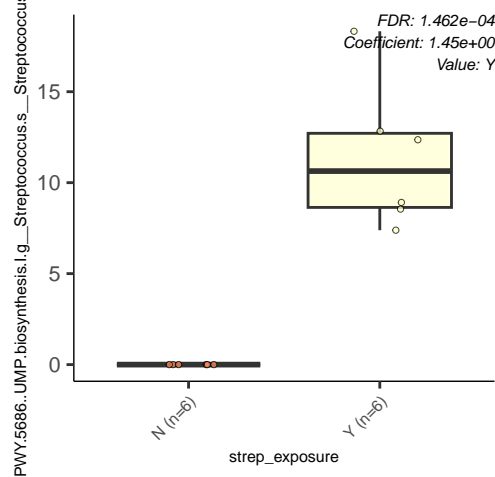
15  
10  
5  
0

N (n=6)

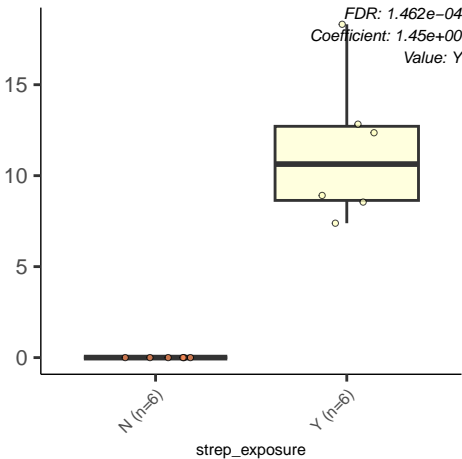
Y (n=6)

strep\_exposure

FDR: 1.462e-04  
Coefficient: 1.45e+00  
Value: Y

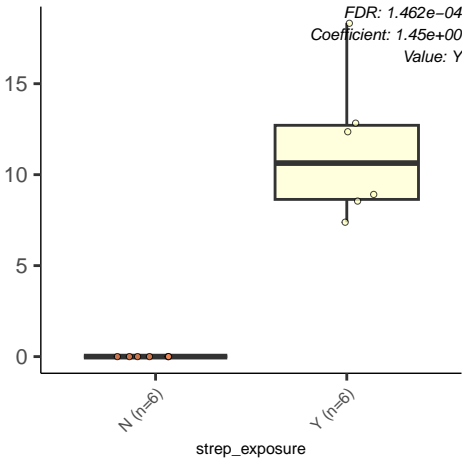


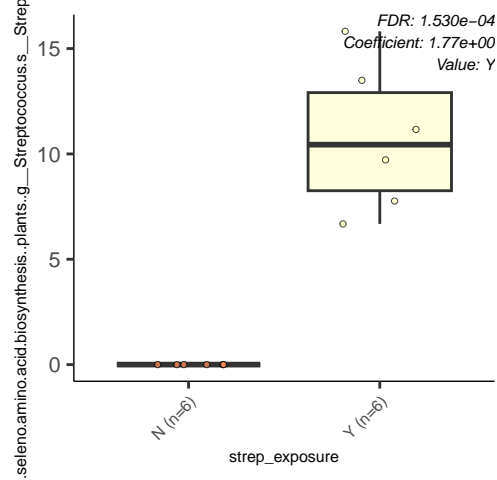
PWY.7790..UMP.biosynthesis.ll.g\_\_Streptococcus.s\_\_Streptococcus



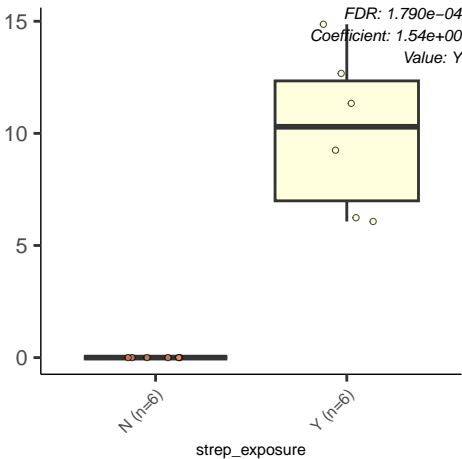


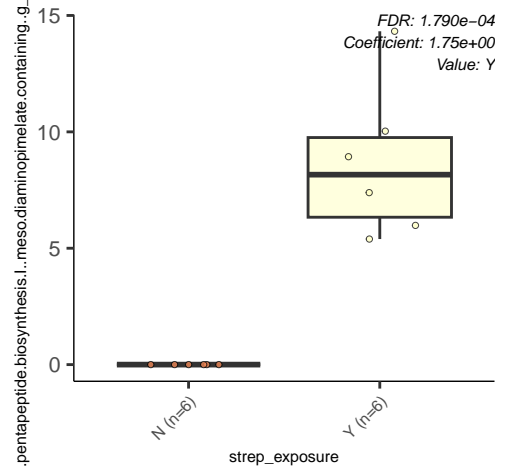
PWY.7791..UMP.biosynthesis.III.g\_\_Streptococcus.s\_\_Streptococcus

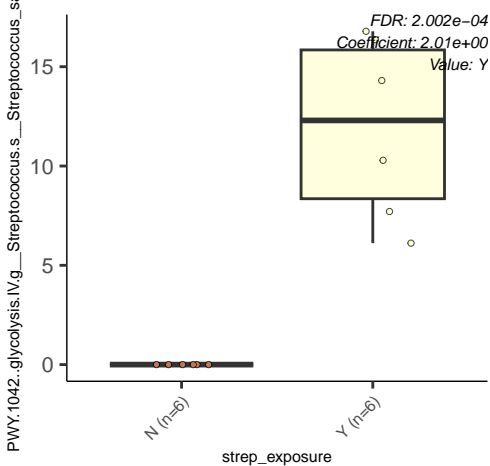


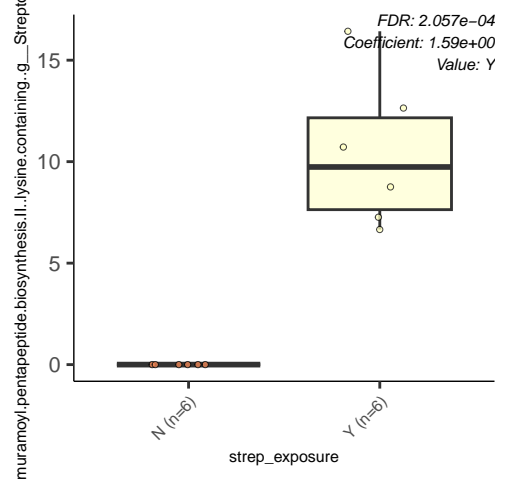


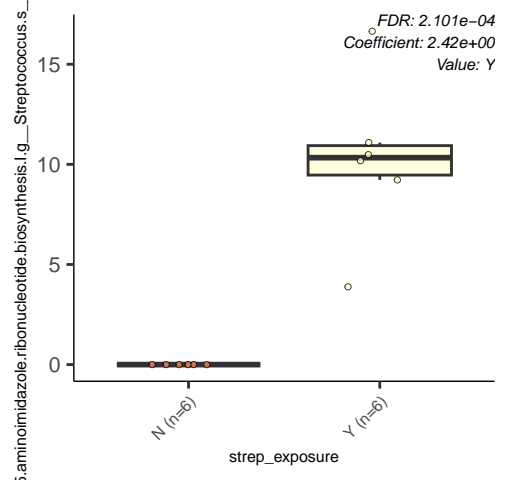
JB.PWY..L.arginine.biosynthesis.II..acetyl.cycle..g\_\_Streptococcus.s

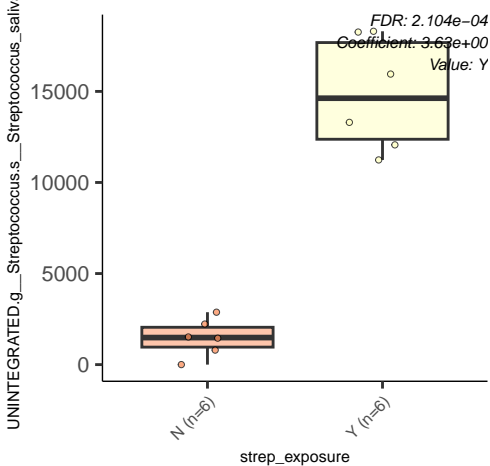






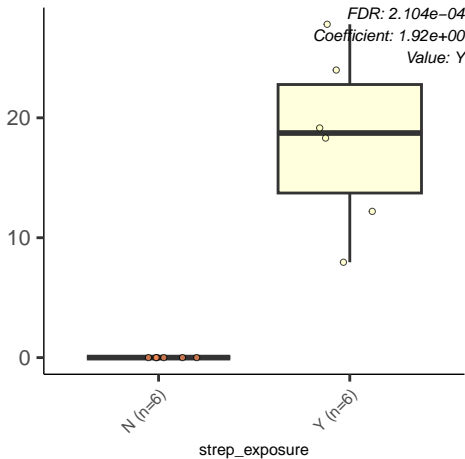


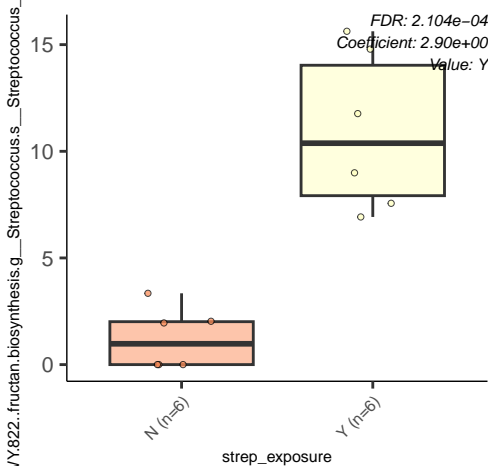




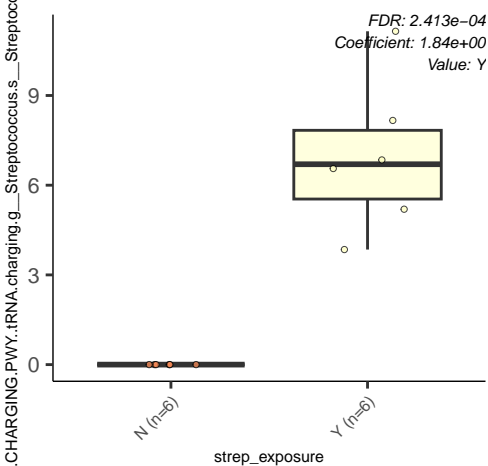


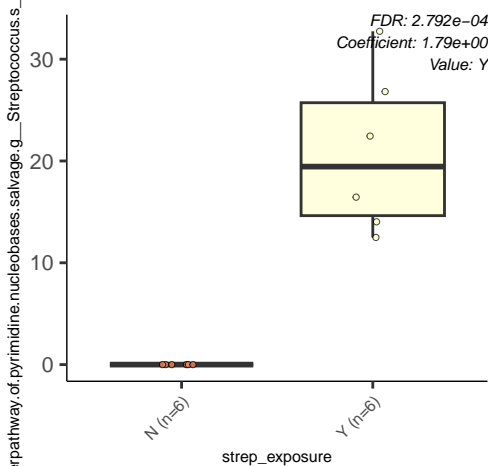
YN.PWY..dTDP..beta..L.rhamnose.biosynthesis.g\_\_Streptococcus.s

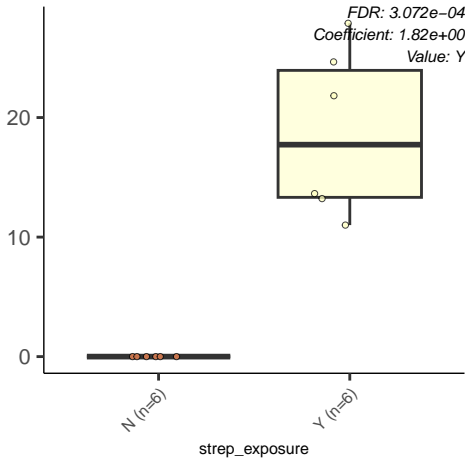


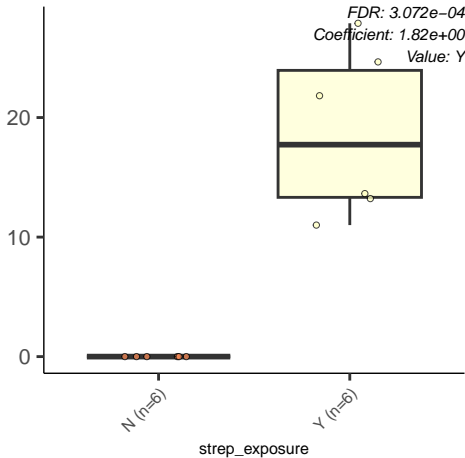


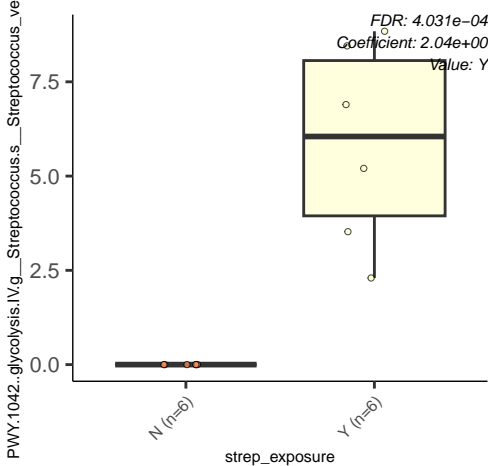
IA.CHARGING.PWY..tRNA.charging.g\_\_Streptococcus.s\_\_Streptococcus



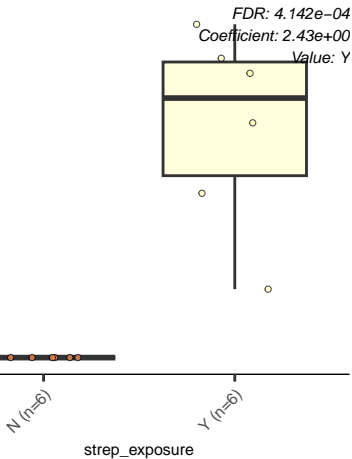




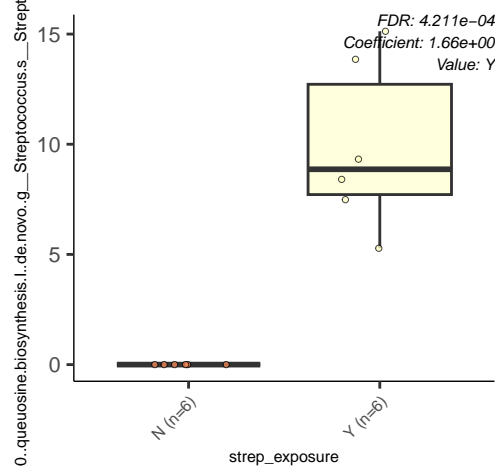


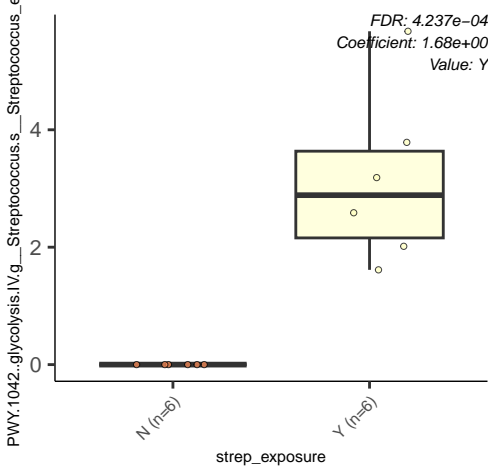


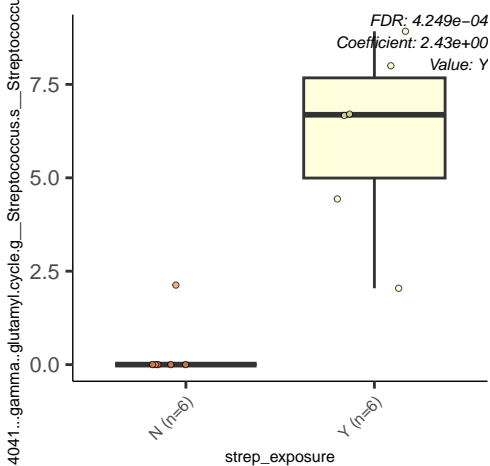
PWY.1042.glycolysis.IV.g\_\_Streptococcus.s\_\_Streptococcus\_pne

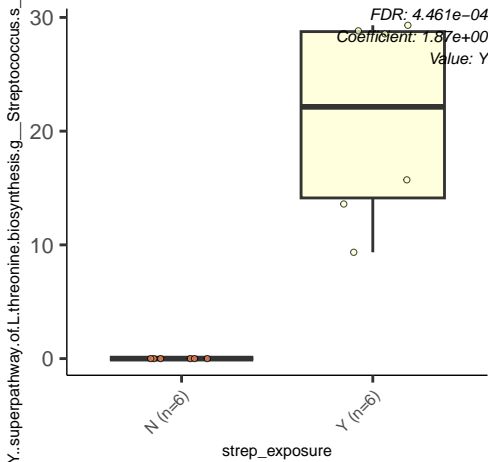


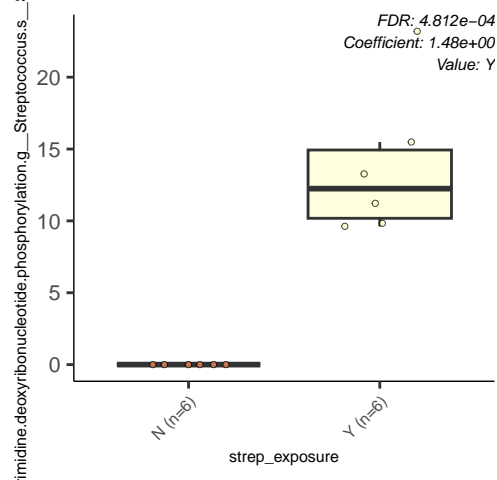


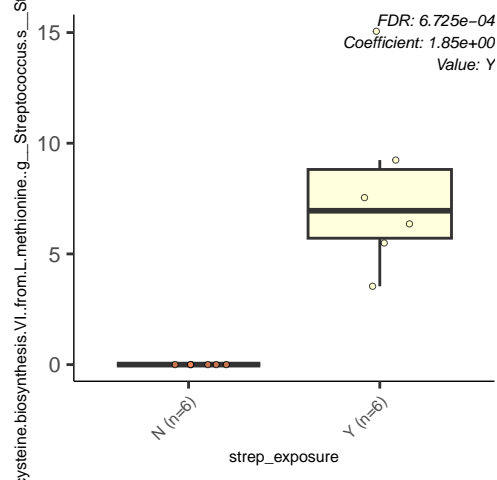


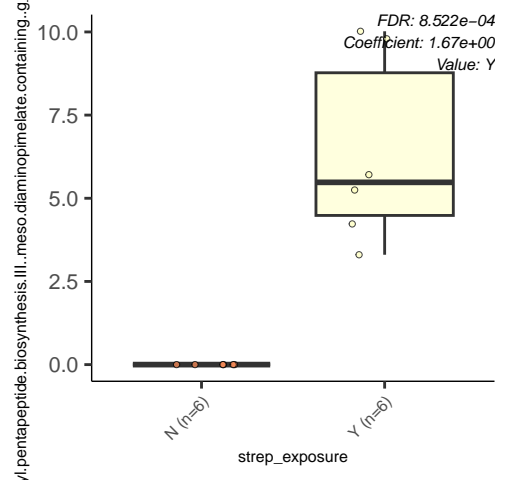












WY.2941...L.lysine.biosynthesis.ll.g\_\_Streptococcus.s\_\_Streptococcus

FDR:  $8.739 \times 10^{-4}$   
Coefficient:  $2.50 \times 10^0$   
Value: Y

10

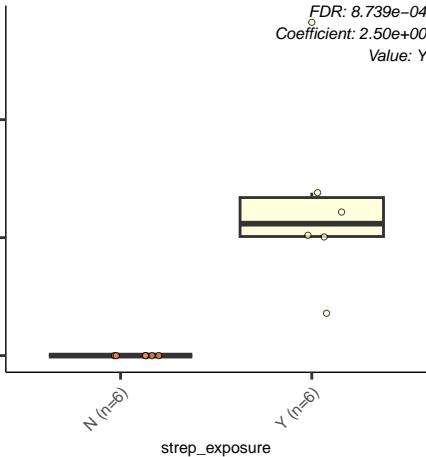
5

0

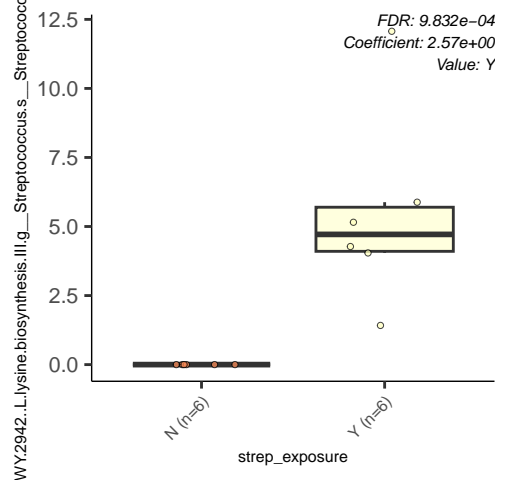
N (n=6)

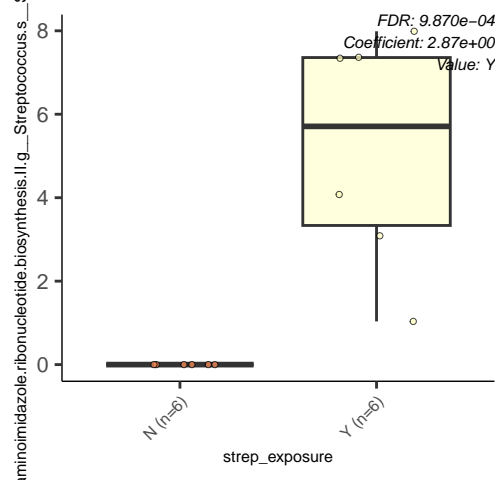
Y (n=6)

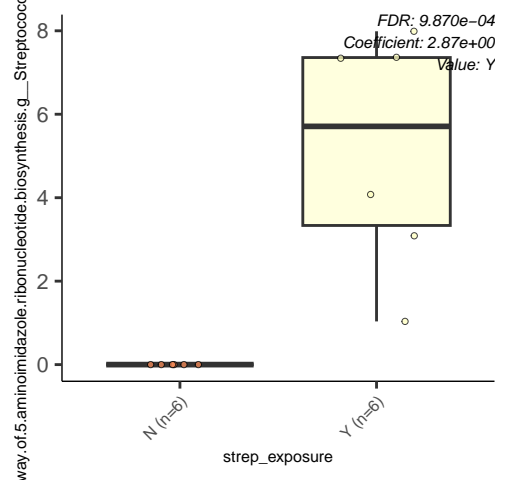
strep\_exposure

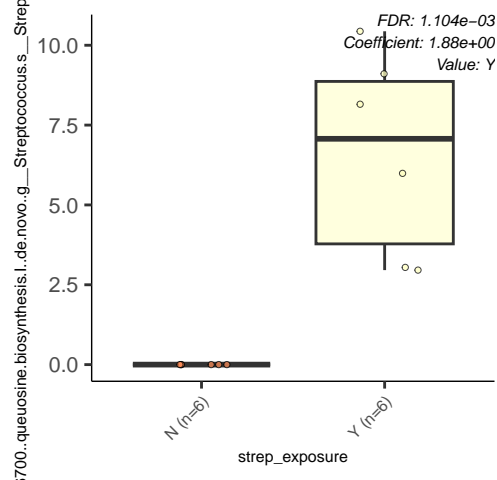


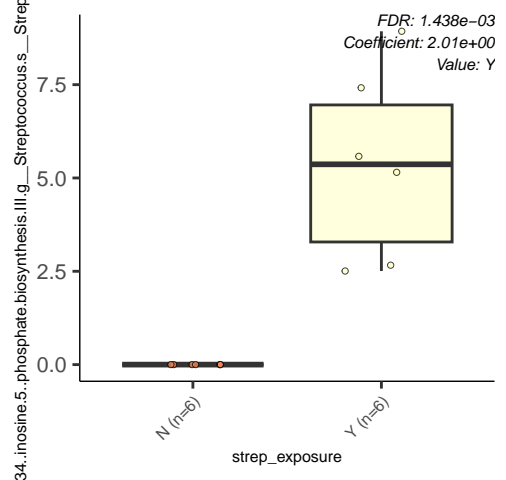


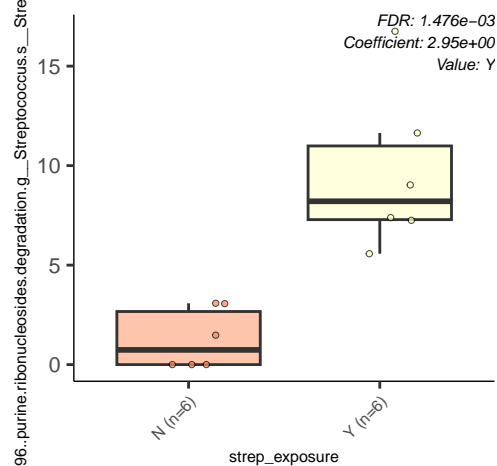


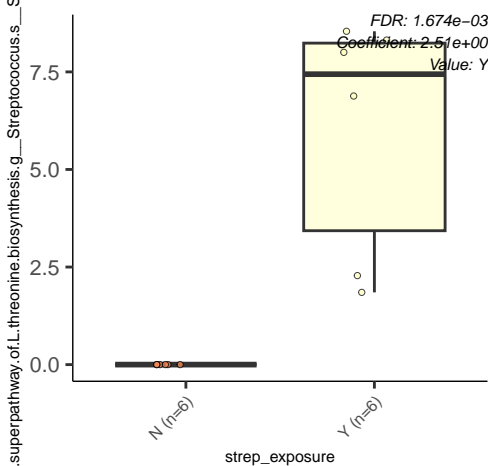


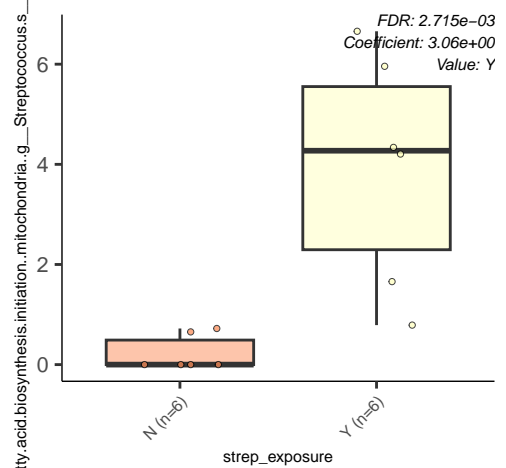




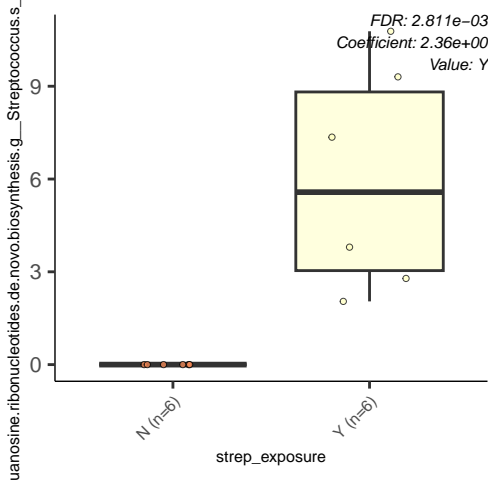




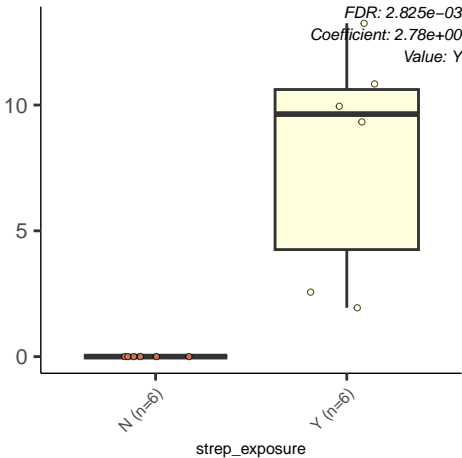


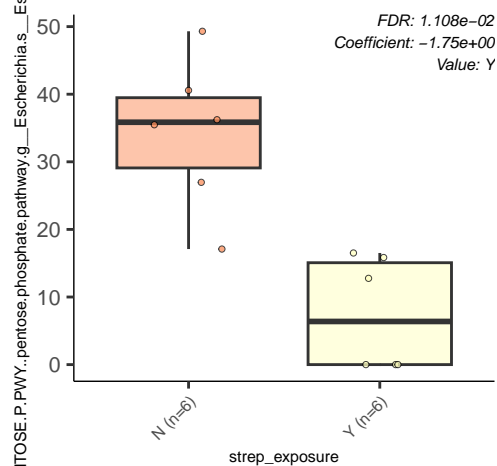


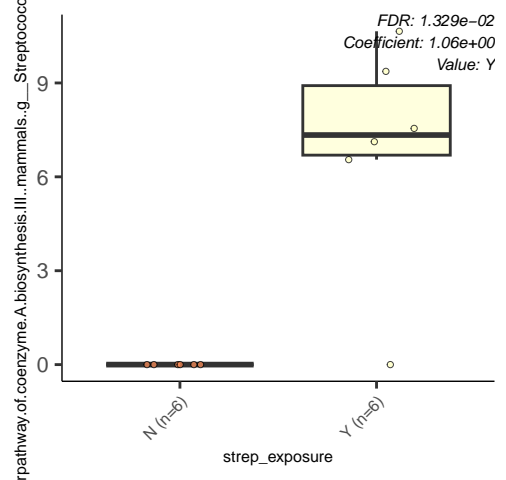




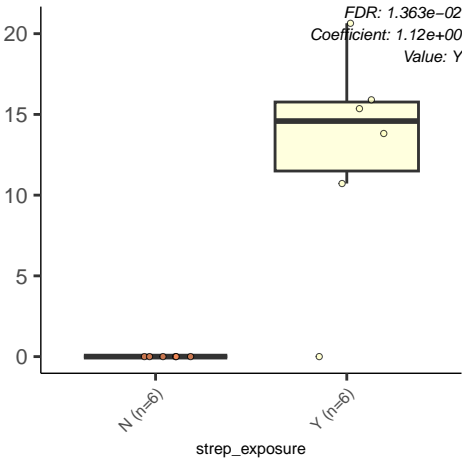
702.L.methionine.biosynthesis.II.g\_\_Streptococcus.s\_\_Streptococcus



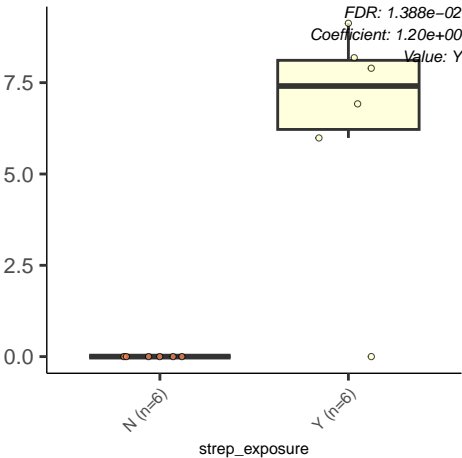


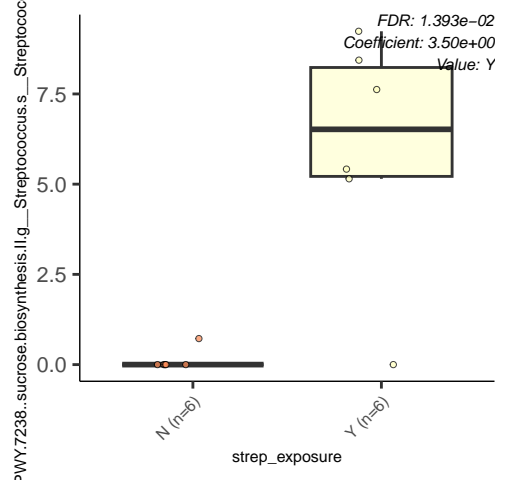


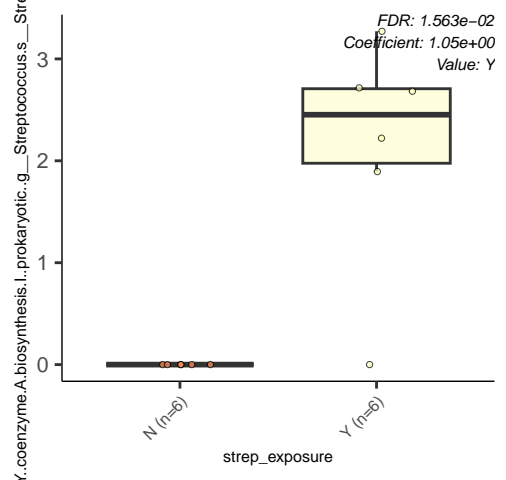
VY.7237..myo...chiro...and.scyllo.inositol.degradation.g\_\_Blautia.s\_\_E



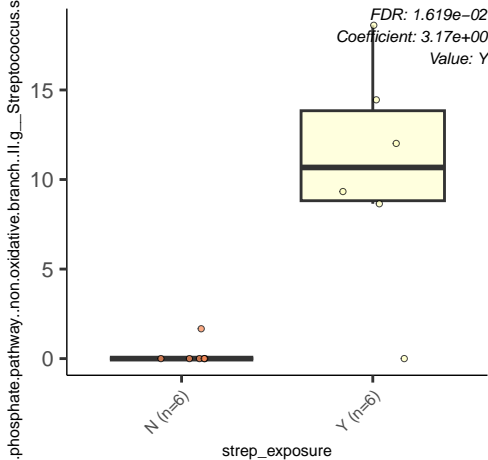
way.of.adenosine.nucleotides.de.novo.biosynthesis.l.g\_\_Streptococcus



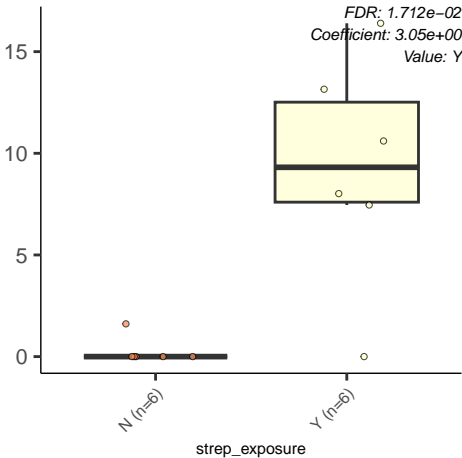


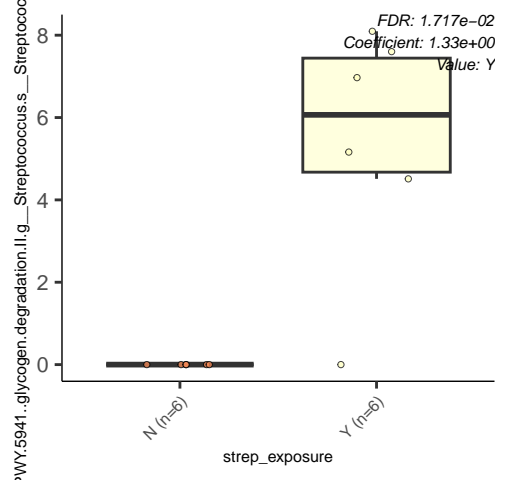


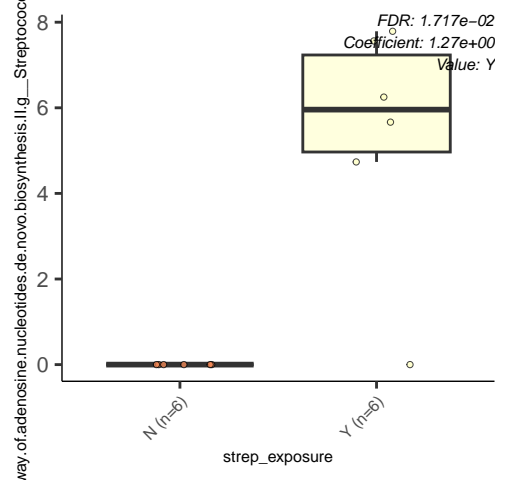




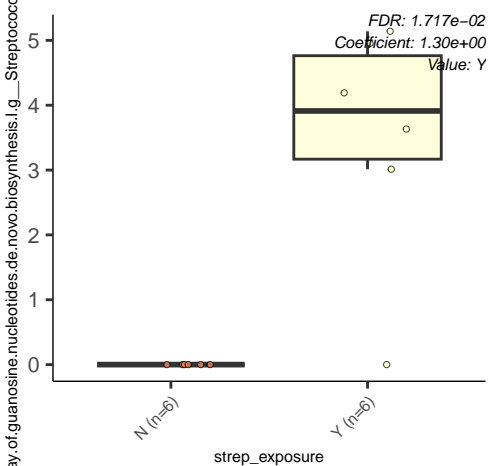
entose.phosphate.pathway..non.oxidative.branch..l.g\_\_Streptococcus

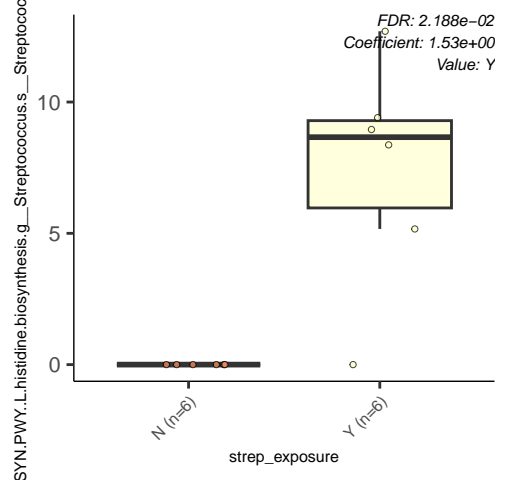


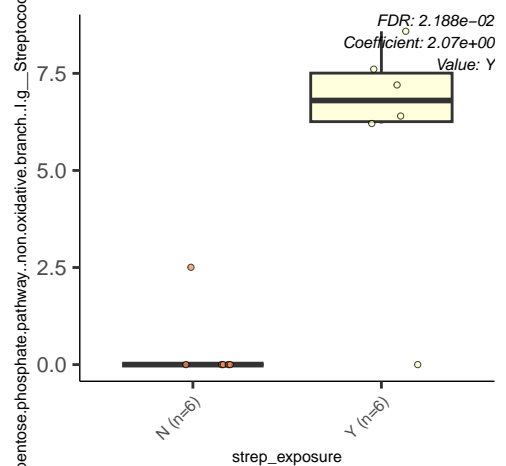




way.of.guanosine.nucleotides.de.novo.biosynthesis.l.g\_\_Streptococcus







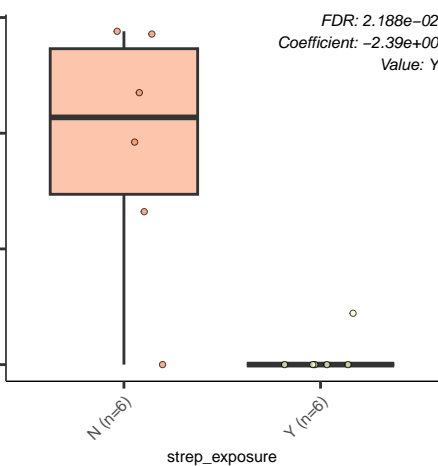
osine.deoxyribonucleotides.de.novo.biosynthesis.ll.g\_\_Bacteroides.s

FDR: 2.188e-02  
Coefficient: -2.39e+00  
Value: Y

N (n=6)

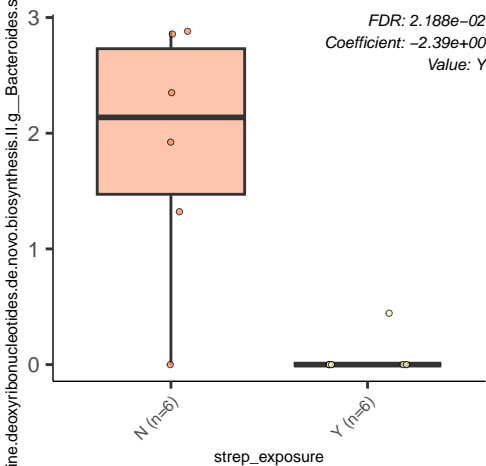
Y (n=6)

strep\_exposure



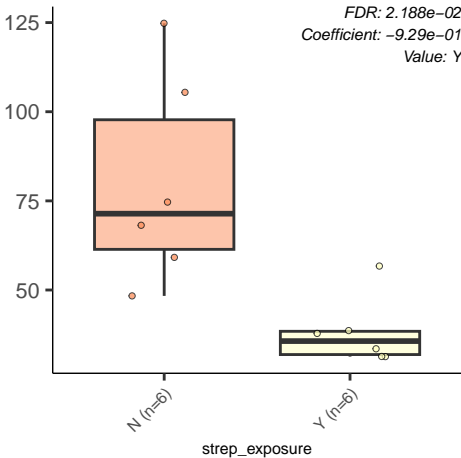


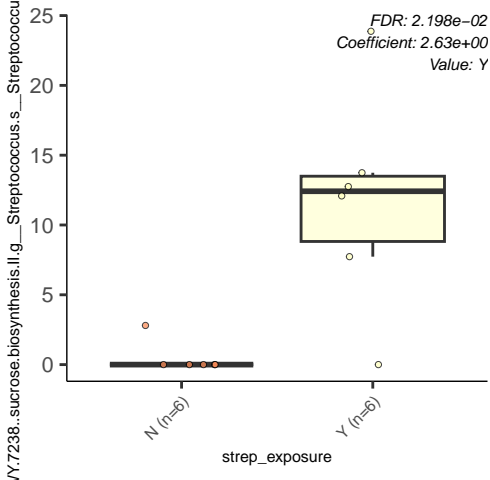
osine.deoxyribonucleotides.de.novo.biosynthesis.ll.g\_\_Bacteroides.s

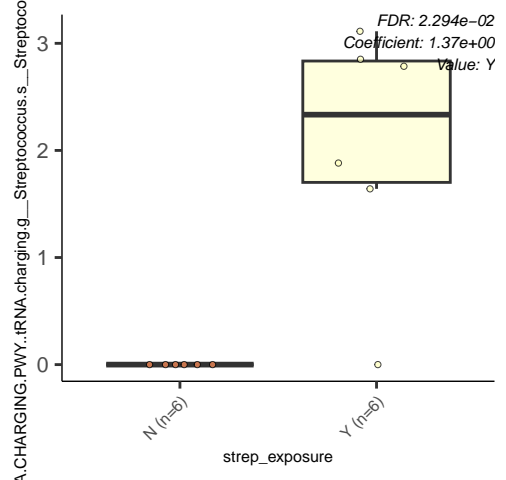


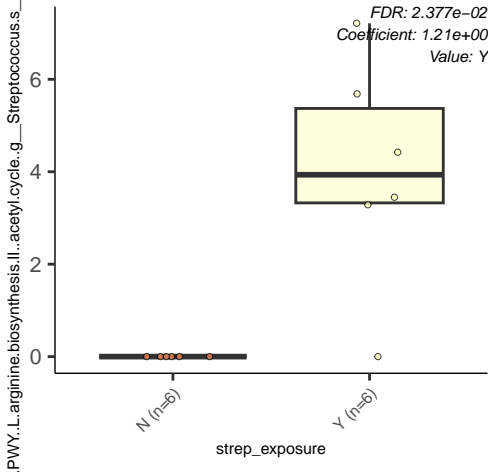
peptidoglycan.maturat...meso.diaminopimelate.containing..g\_\_Esch

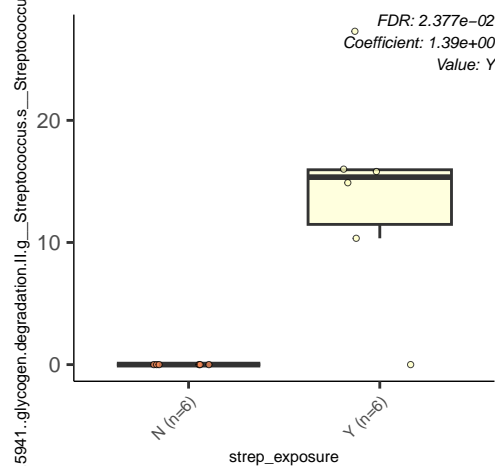
*FDR: 2.188e-02*  
*Coefficient: -9.29e-01*  
*Value: Y*



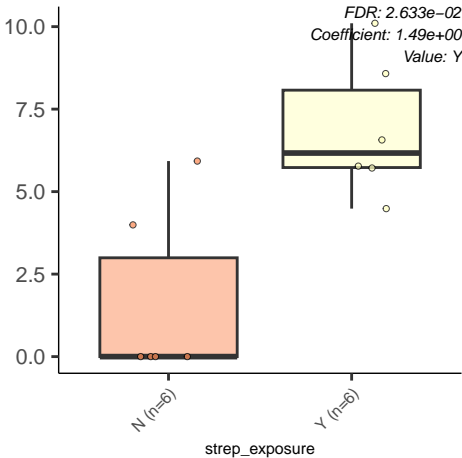


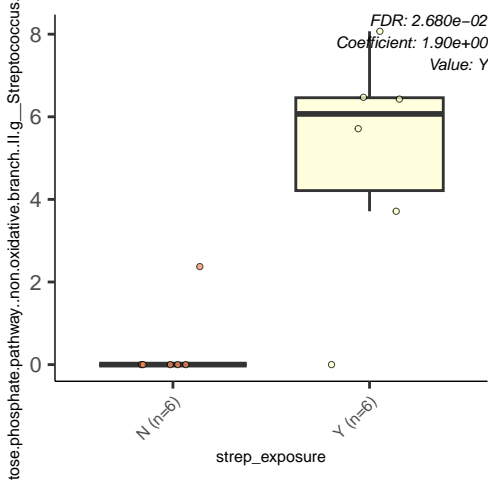




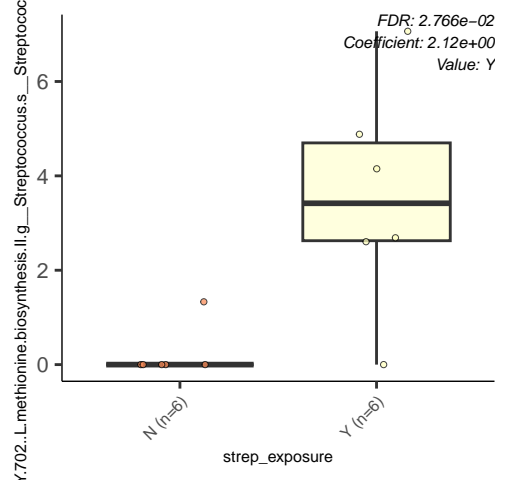


HEME.BIOSYNTHESIS.II..heme.b.biosynthesis.l..aerobic...uncia









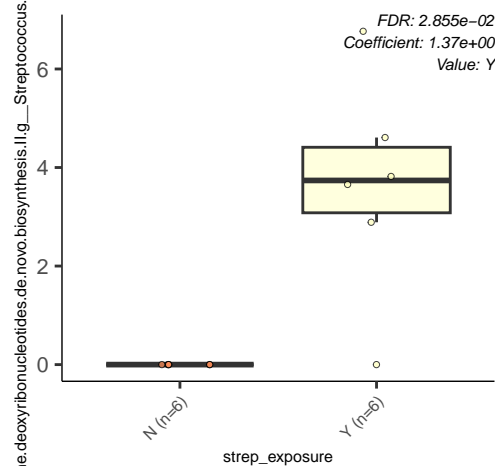
sine.deoxyribonucleotides.de.novo.biosynthesis.II.g\_\_Streptococcus.

FDR:  $2.855e-02$   
Coefficient:  $1.37e+00$   
Value: Y

N (n=6)

Y (n=6)

strep\_exposure



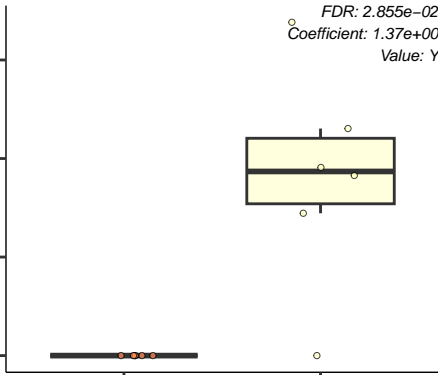
sine.deoxyribonucleotides.de.novo.biosynthesis.ll.g\_\_Streptococcus.

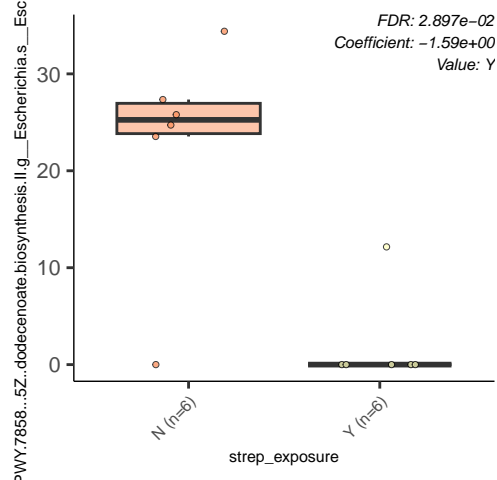
FDR: 2.855e-02  
Coefficient: 1.37e+00  
Value: Y

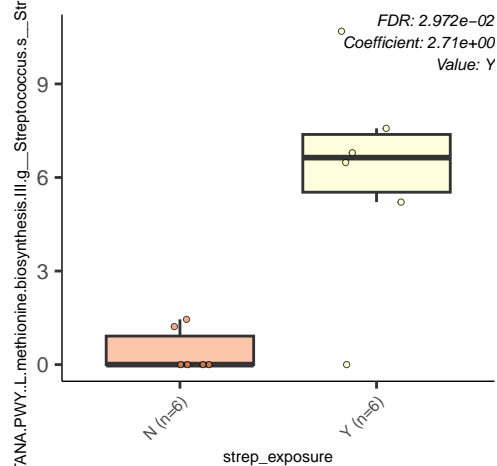
N (n=6)

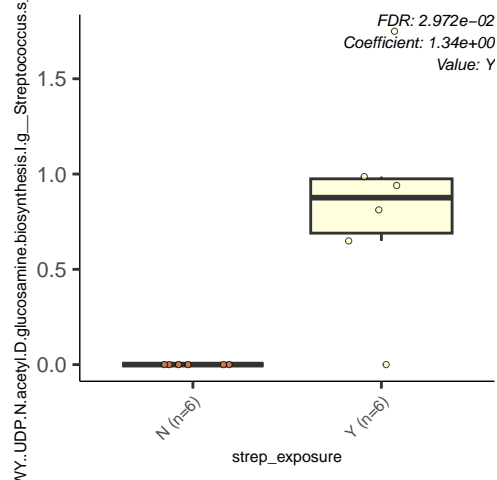
Y (n=6)

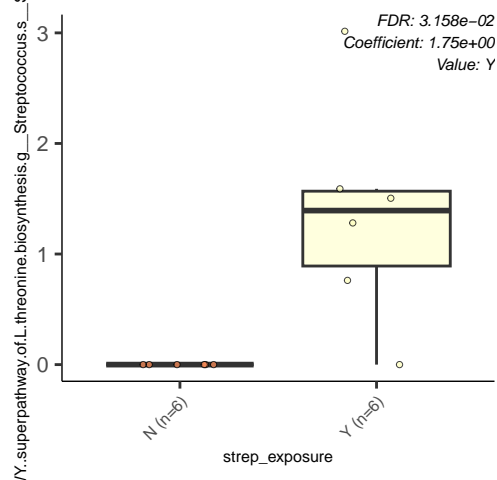
strep\_exposure

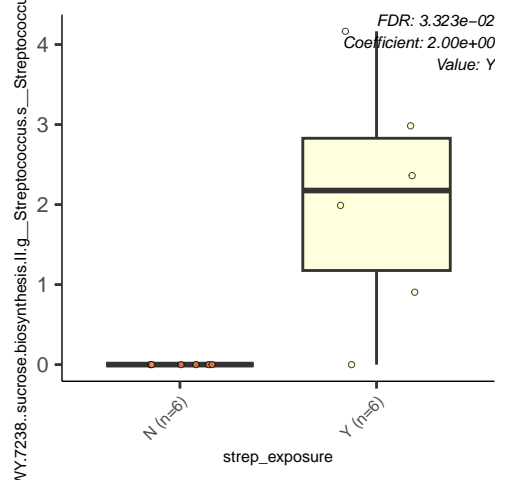








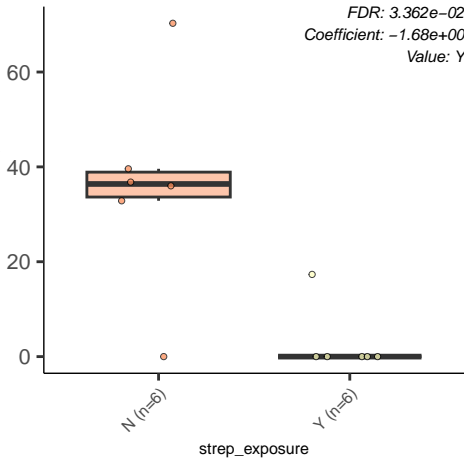


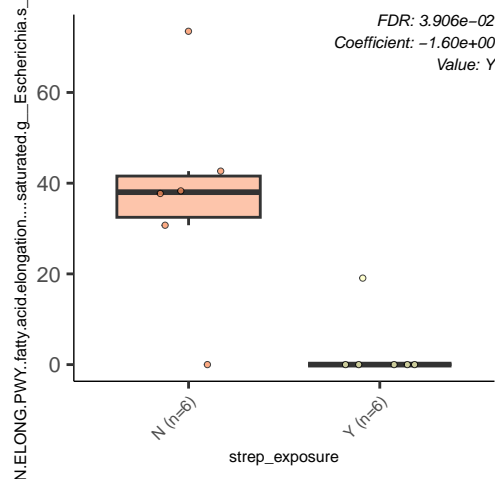


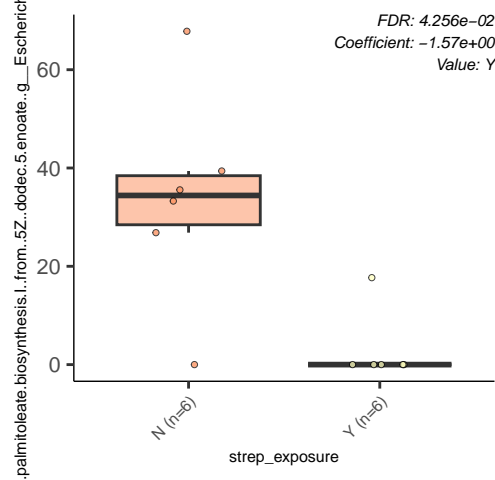


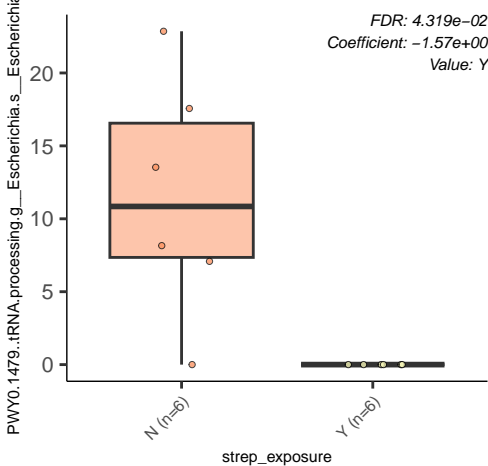
WY.7664...oleate.biosynthesis.IV.anaerobic..g\_\_Escherichia.s\_\_Esc

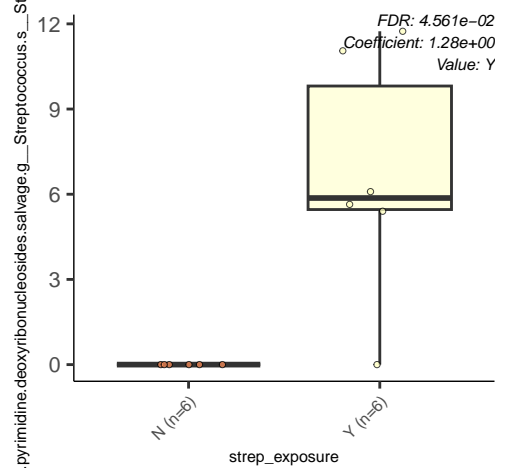
FDR:  $3.362e-02$   
Coefficient:  $-1.68e+00$   
Value: Y

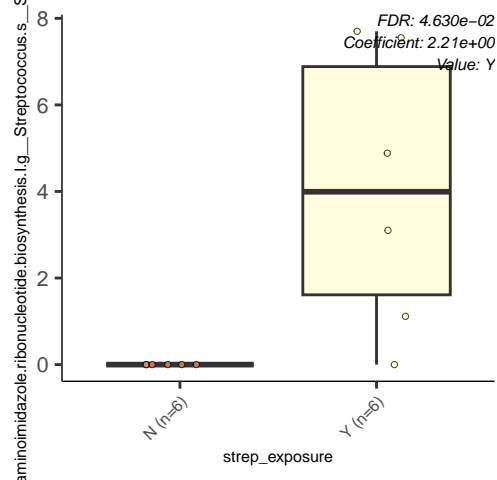




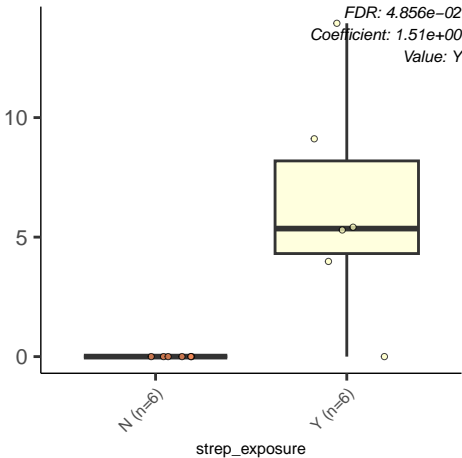






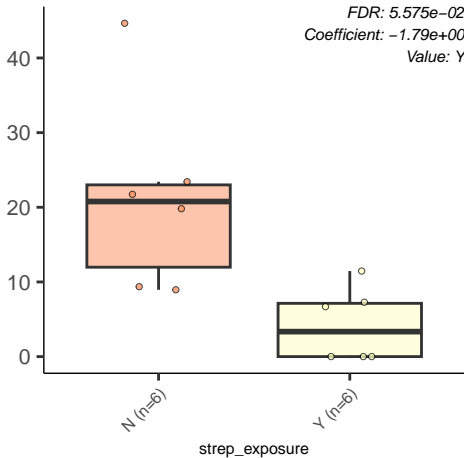


PWY.6703..preQ0.biosynthesis.g\_\_Streptococcus.s\_\_Streptococcus



GLIPASYN.PWY...lipid.IVA.biosynthesis..E..coli..g\_Escherichia.s\_E

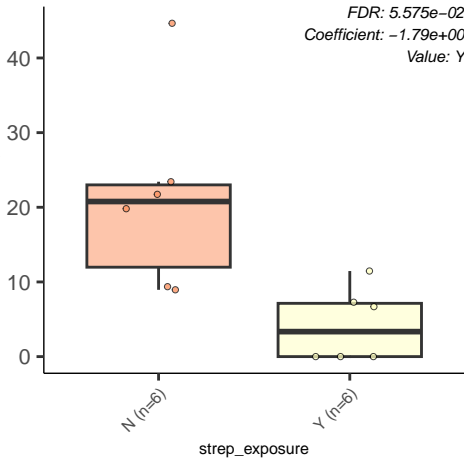
*FDR: 5.575e-02*  
*Coefficient: -1.79e+00*  
*Value: Y*



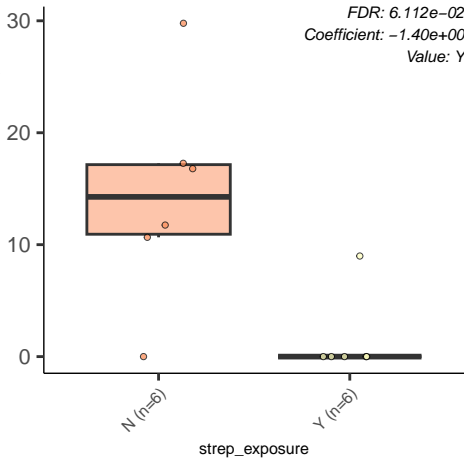


PWY.8073..lipid.IVA.biosynthesis..P..putida.g\_\_Escherichia.s\_\_Esc

FDR: 5.575e-02  
Coefficient: -1.79e+00  
Value: Y



FDR: 6.112e-02  
Coefficient: -1.40e+00  
Value: Y



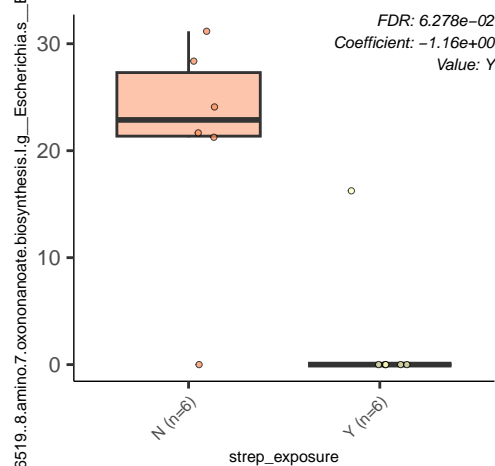
Y.6519..8.amino.7.oxonanoate.biosynthesis.l.g\_Escherichia.s

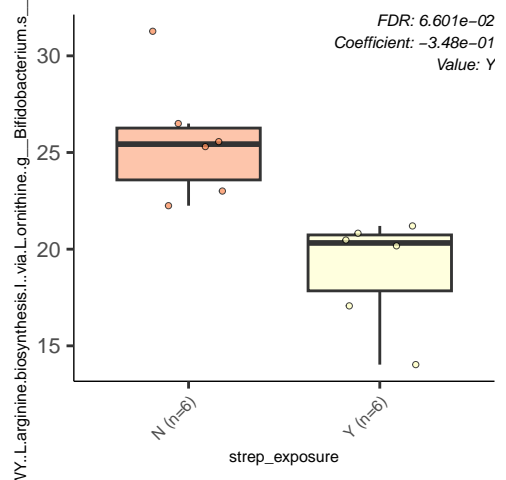
FDR: 6.278e-02  
Coefficient: -1.16e+00  
Value: Y

N (n=6)

Y (n=6)

strep\_exposure





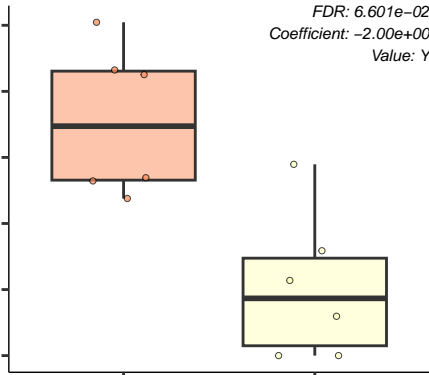
ARO.PWY.chorismate.biosynthesis.l.g\_Escherichia.s\_Escher

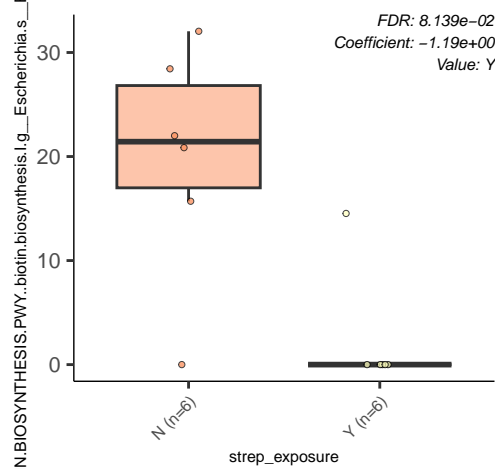
FDR: 6.601e-02  
Coefficient: -2.00e+00  
Value: Y

N (n=6)

Y (n=6)

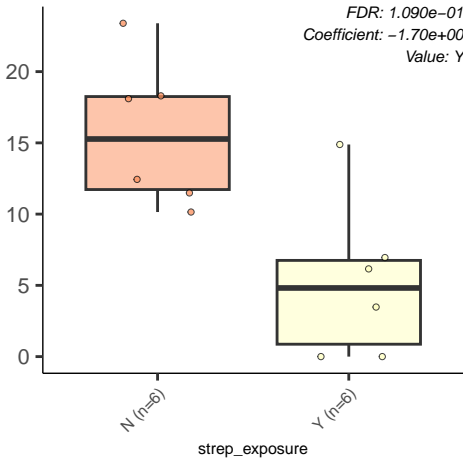
strep\_exposure





63..chorismate.biosynthesis.from.3.dehydroquinate.g\_\_Escherichia.

FDR: 1.090e-01  
Coefficient: -1.70e+00  
Value: Y



UNINTEGRATED.g\_Bacteroides.s\_Bacteroides\_faecis

FDR:  $1.094e-01$   
Coefficient:  $-1.87e+00$   
Value: Y

1000

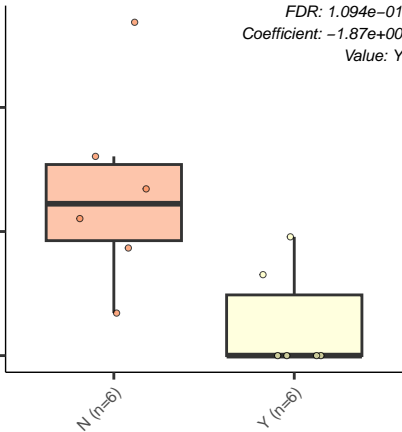
500

0

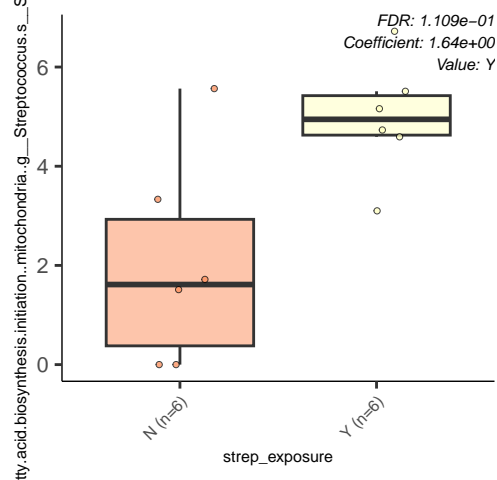
N (n=6)

Y (n=6)

strep\_exposure







RABCATK12.PWY..D.arabinose.degradation.l.g\_\_Klebsiella.s\_\_Klebsiella

FDR: 1.219e-01  
Coefficient: -8.18e-01  
Value: Y

N (n=6)

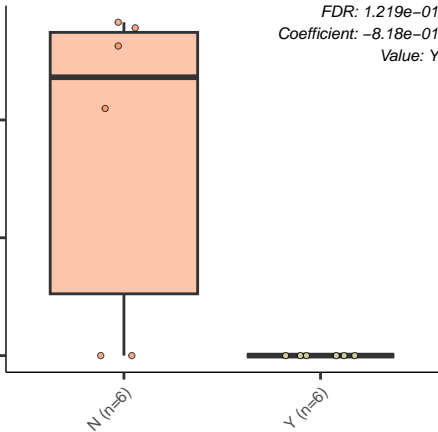
Y (n=6)

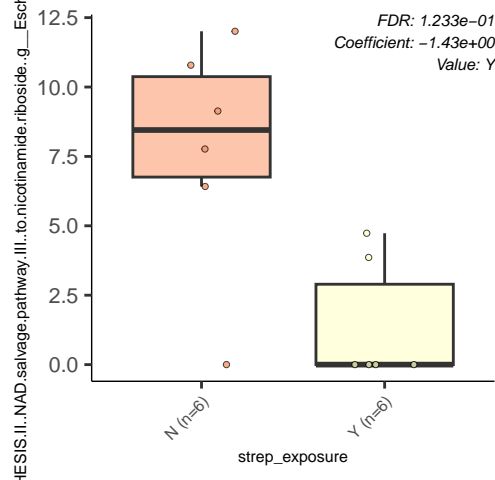
strep\_exposure

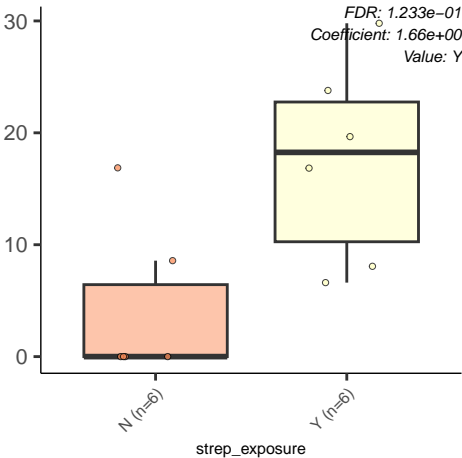
2

1

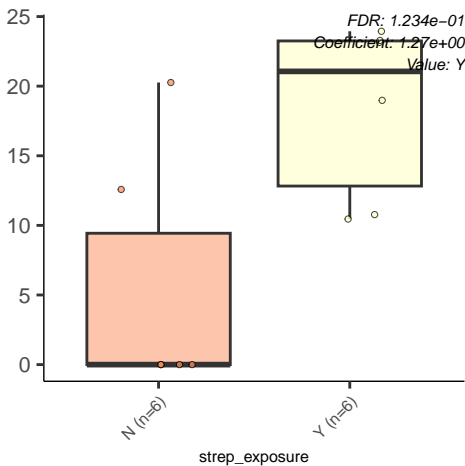
0











\_ACTARDEG.PWY..D.galactarate.degradation.l.g\_\_Escherichia.s\_\_E

FDR: 1.281e-01  
Coefficient: -1.47e+00  
Value: Y

60

40

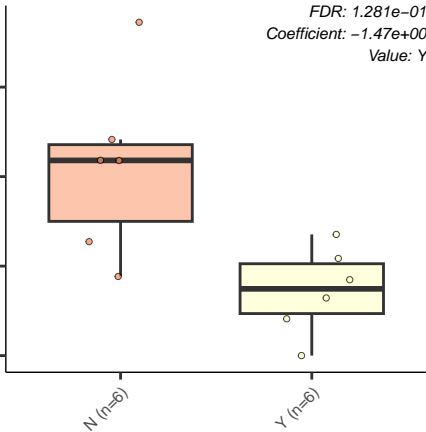
20

0

N (n=6)

Y (n=6)

strep\_exposure



R.PWY..superpathway.of.D.glucarate.and.D.galactarate.degradation

FDR: 1.281e-01  
Coefficient: -1.47e+00  
Value: Y

60

40

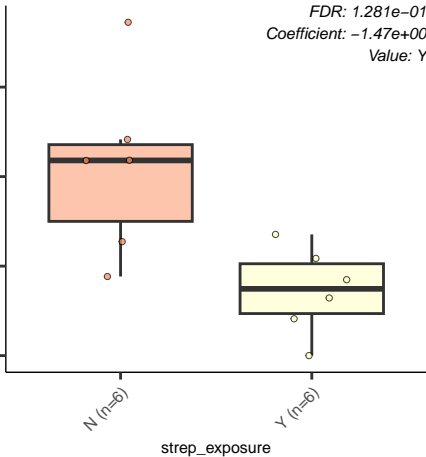
20

0

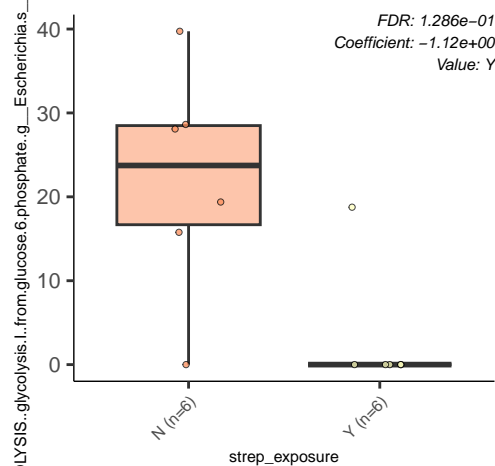
N (n=6)

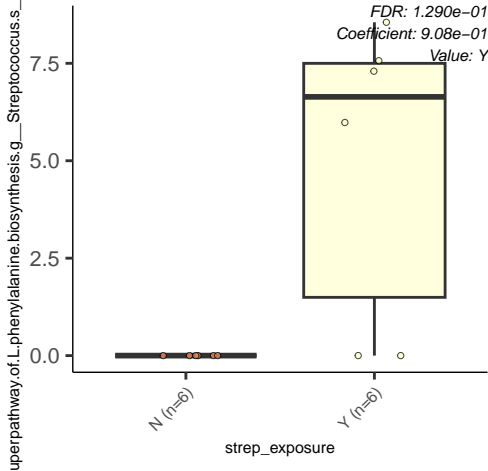
Y (n=6)

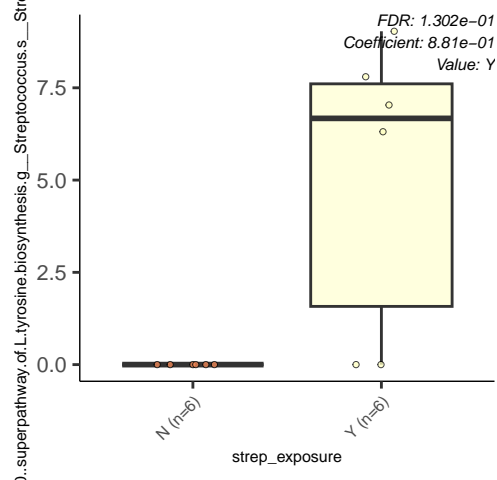
strep\_exposure





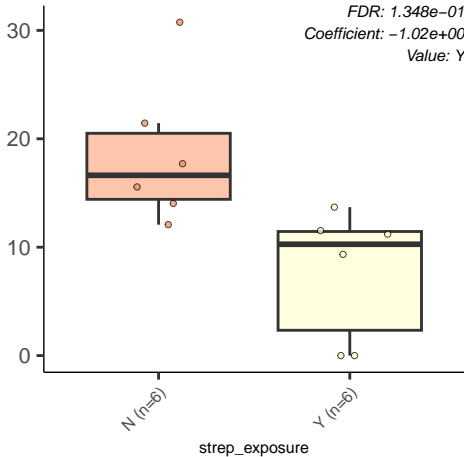






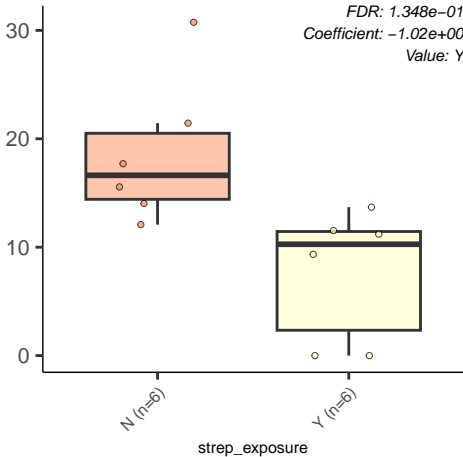
PWY4FS.7..phosphatidylglycerol.biosynthesis.l..plastidic..uncle

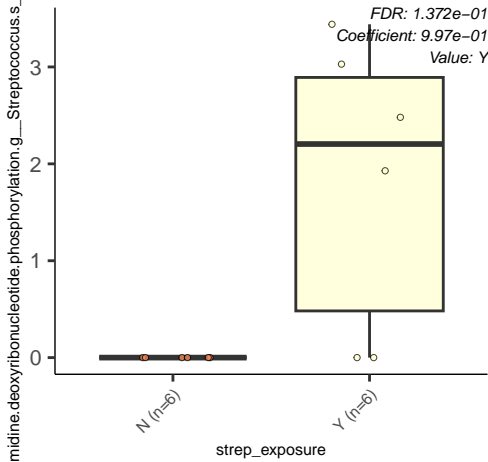
*FDR: 1.348e-01*  
*Coefficient: -1.02e+00*  
*Value: Y*

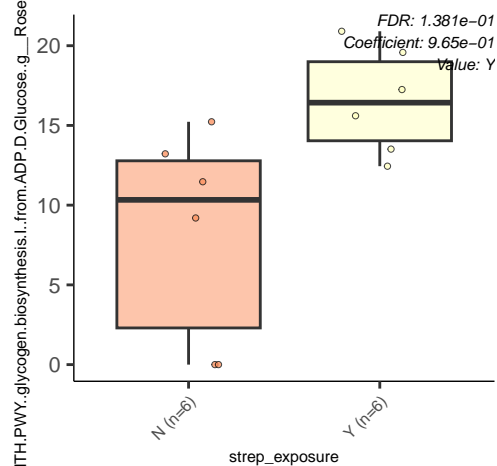


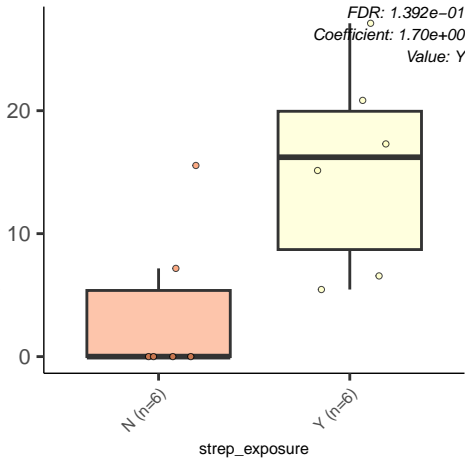
PWY4FS.8..phosphatidylglycerol.biosynthesis.II..non.plasticidic...un

*FDR: 1.348e-01*  
*Coefficient: -1.02e+00*  
*Value: Y*

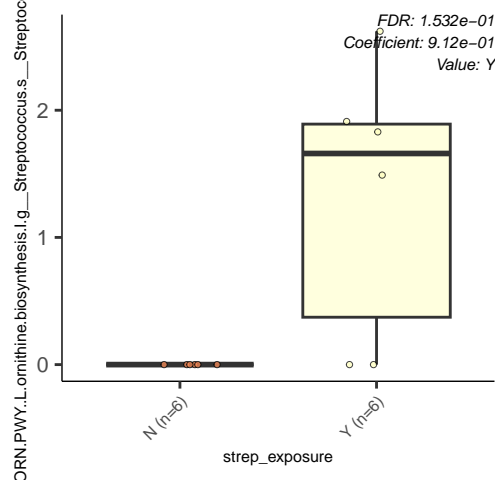


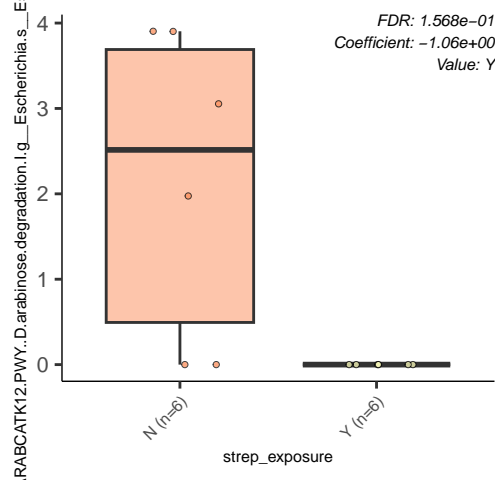


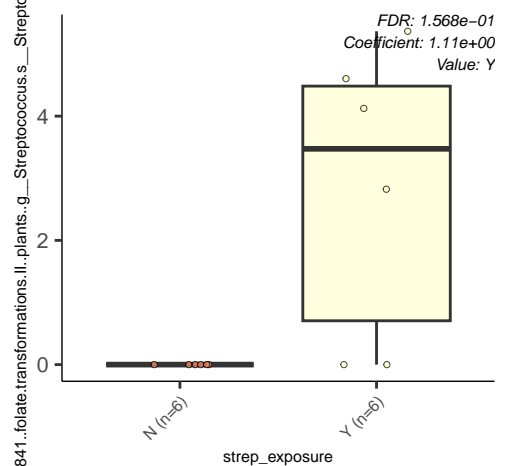


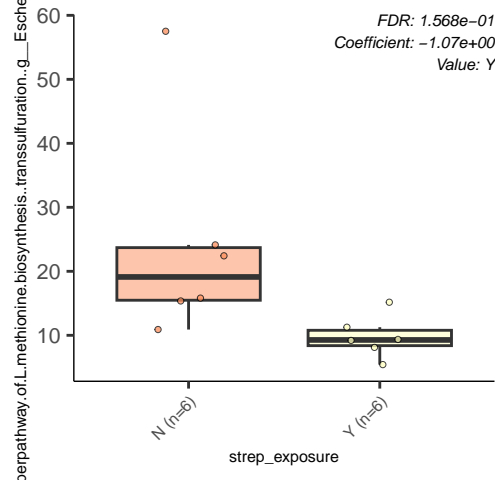


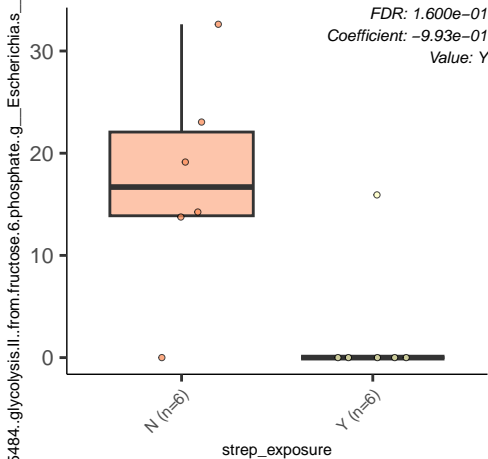






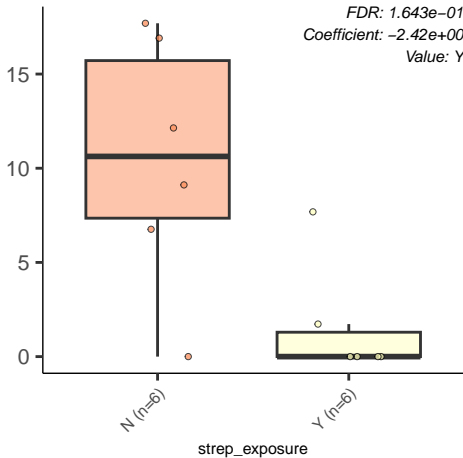






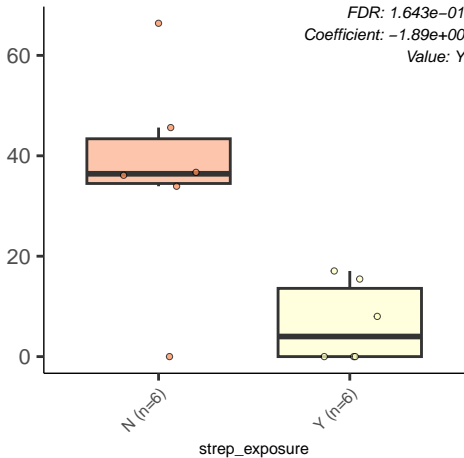
WY0.1261..anhydromuropeptides.recycling.l.g\_Escherichia.s\_Es

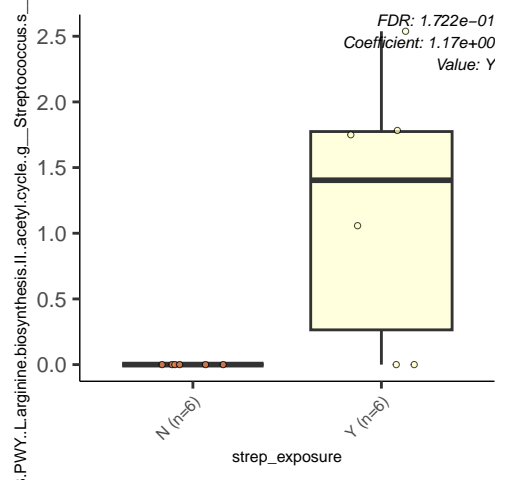
FDR: 1.643e-01  
Coefficient: -2.42e+00  
Value: Y



PWY0.862...5Z...dodecenoate.biosynthesis.l.g\_Escherichia.s\_Esc

FDR: 1.643e-01  
Coefficient: -1.89e+00  
Value: Y

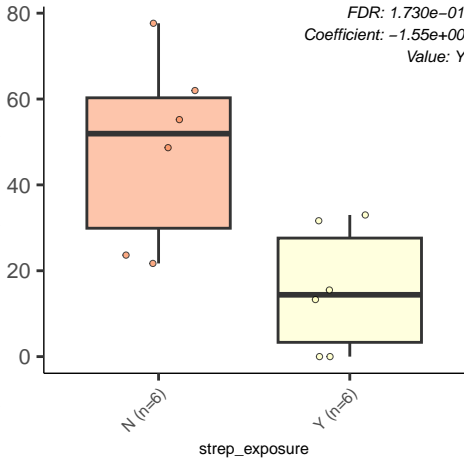


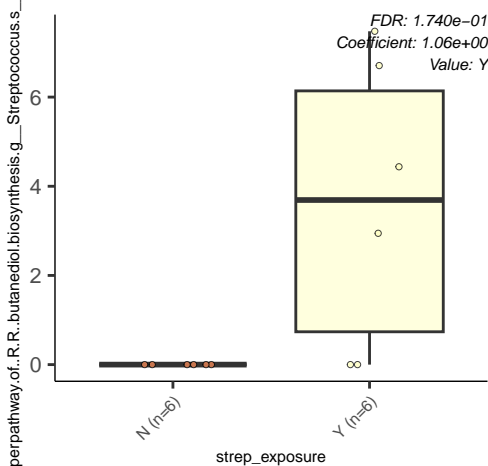




YY.6608..guanine.nucleotides.degradation.III.g\_Escherichia.s\_E

FDR: 1.730e-01  
Coefficient: -1.55e+00  
Value: Y





24..inosine.5..phosphate.biosynthesis.II.g\_\_Bacteroides.s\_\_Bacter

FDR: 1.758e-01  
Coefficient: -1.37e+00  
Value: Y

N (n=6)

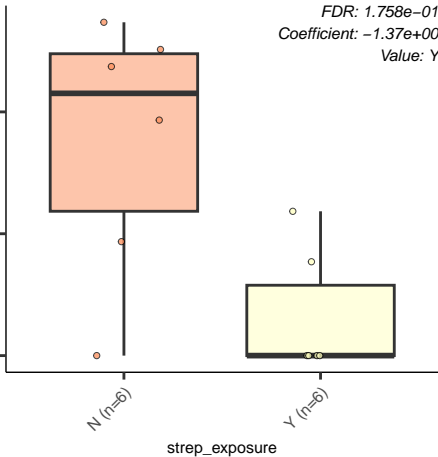
Y (n=6)

strep\_exposure

2

1

0



PWY.5973..cis.vaccenate.biosynthesis.g\_Escherichia.s\_Escher

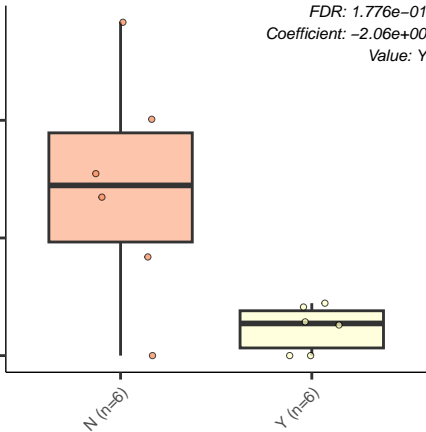
FDR: 1.776e-01  
Coefficient: -2.06e+00  
Value: Y

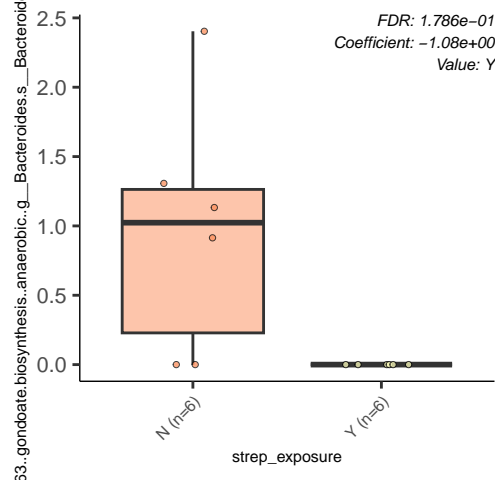
40  
20  
0

N (n=6)

Y (n=6)

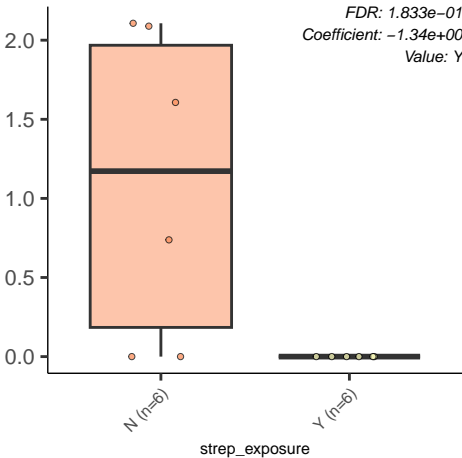
strep\_exposure

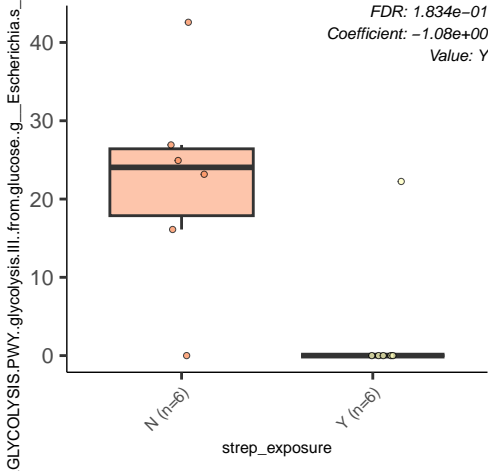






ne.deoxyribonucleotides.de.novo.biosynthesis.II.q\_\_Bacteroides.s

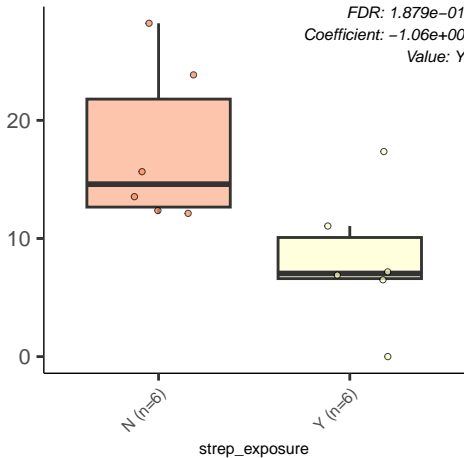


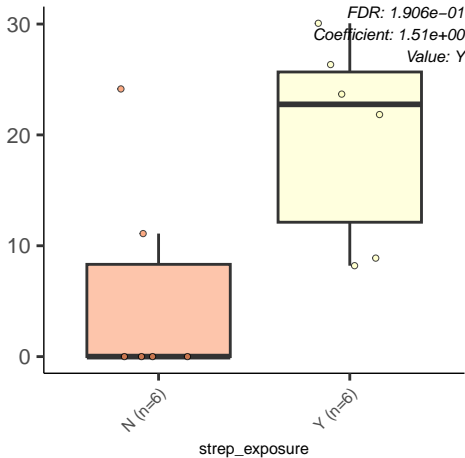




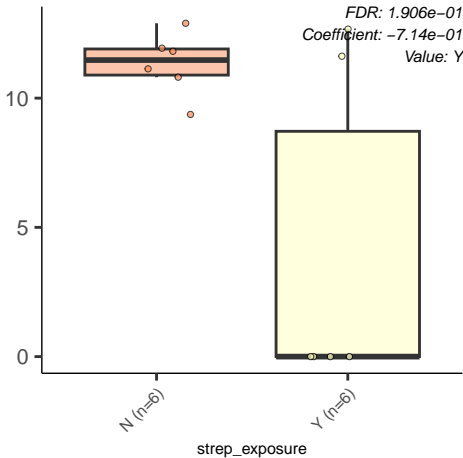
ptidoglycan.maturation...meso.diaminopimelate.containing.g\_\_Klebs

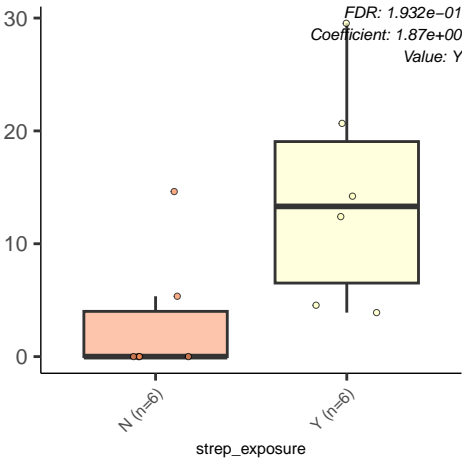
FDR: 1.879e-01  
Coefficient: -1.06e+00  
Value: Y

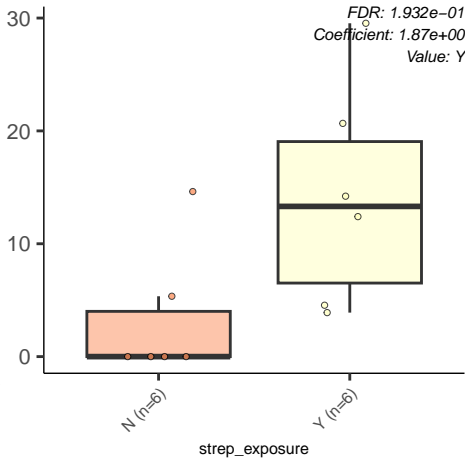


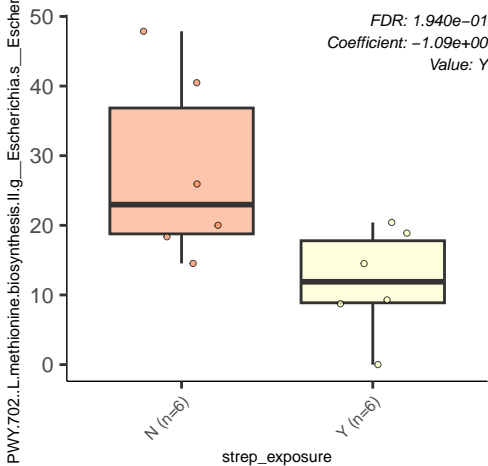


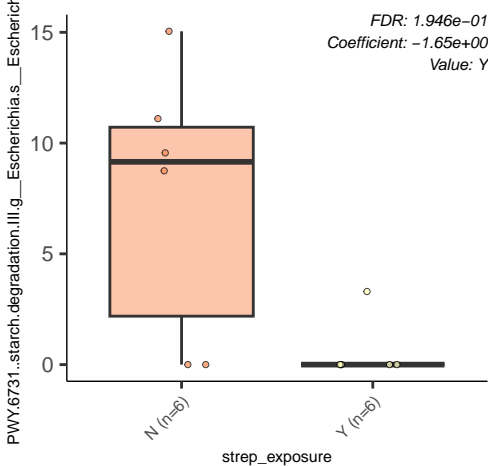
TRNA.CHARGING.PWY..tRNA.charging.g\_\_Blautia.s\_\_Ruminococ









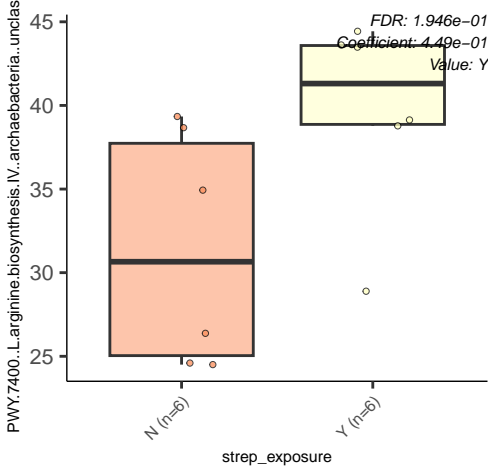


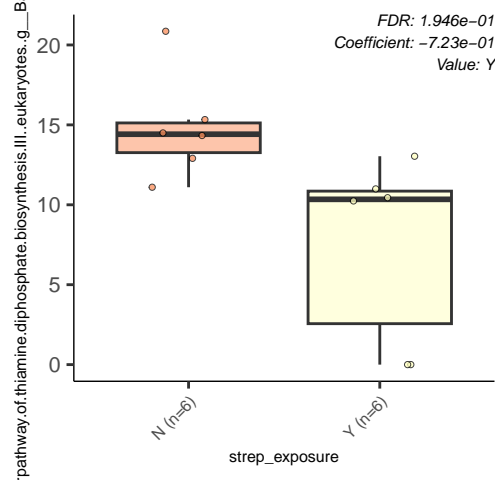
Value: Y

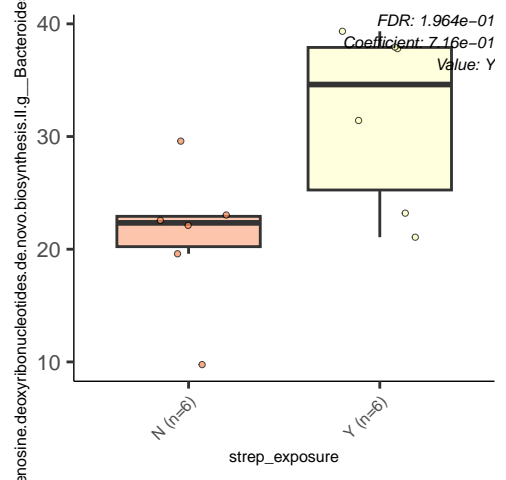


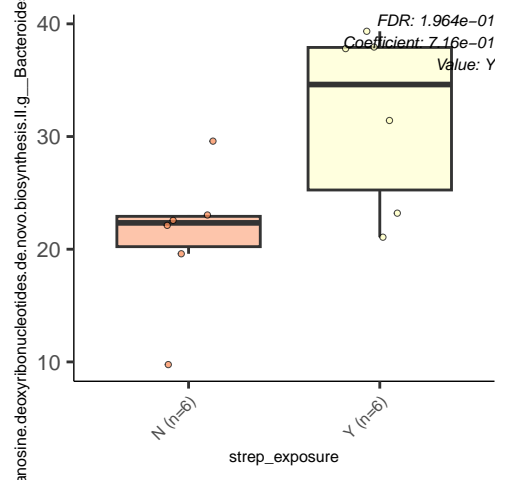
strep\_exposure

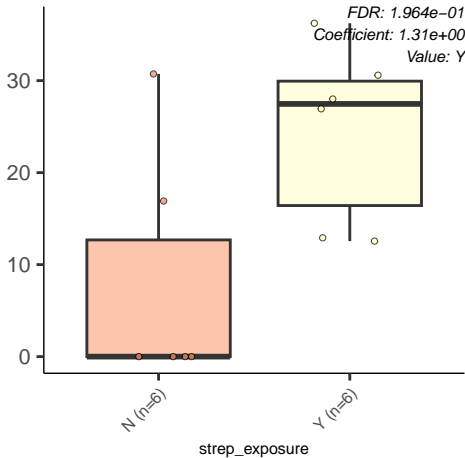


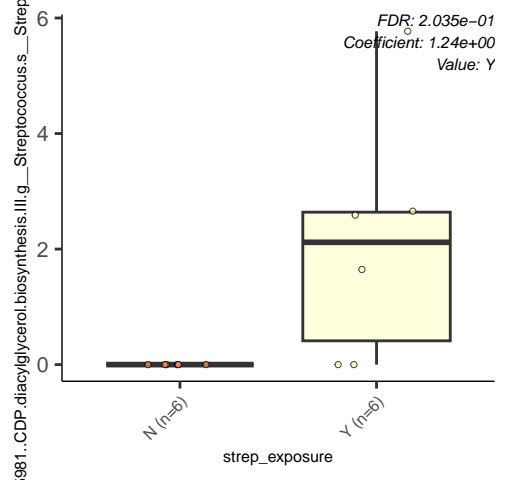


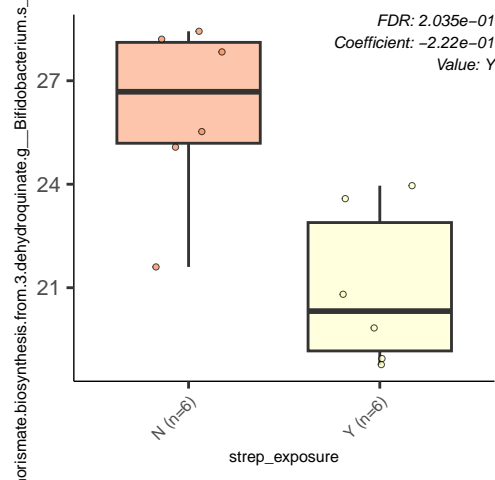


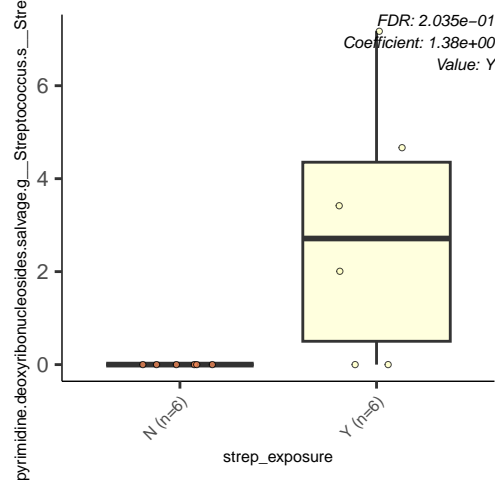




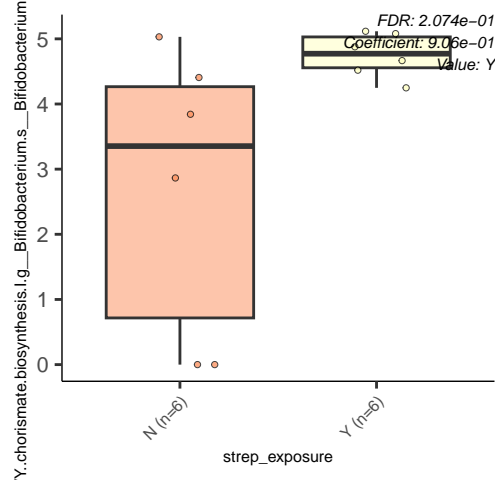


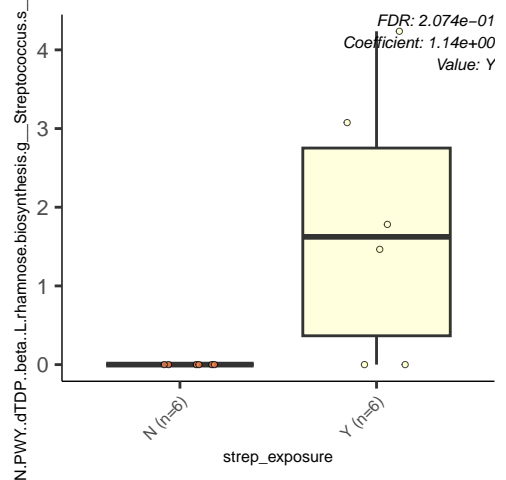


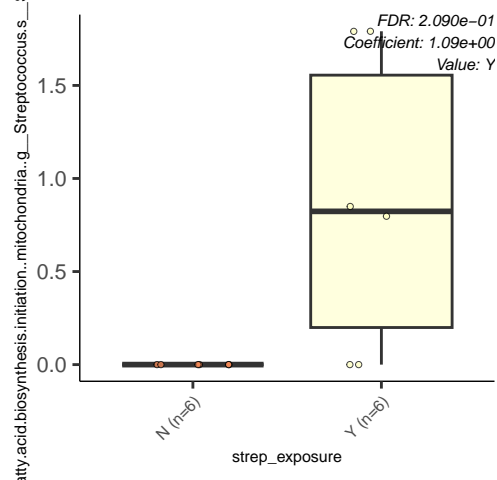




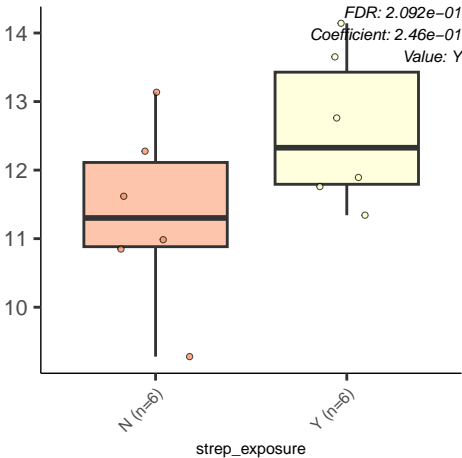






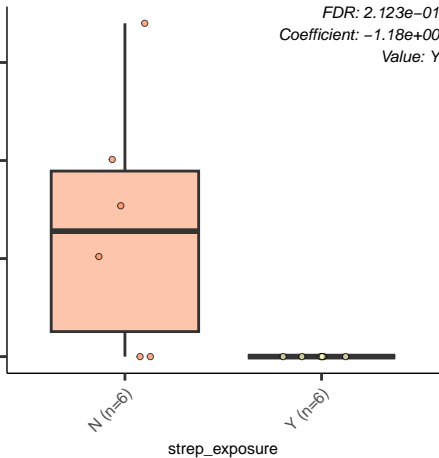


VALSYN.PWY..L.valine.biosynthesis.g\_\_Blautia.s\_\_Blautia\_we



EG.PWY..superpathway.of.glycol.metabolism.and.degradation.g\_E

FDR: 2.123e-01  
Coefficient: -1.18e+00  
Value: Y



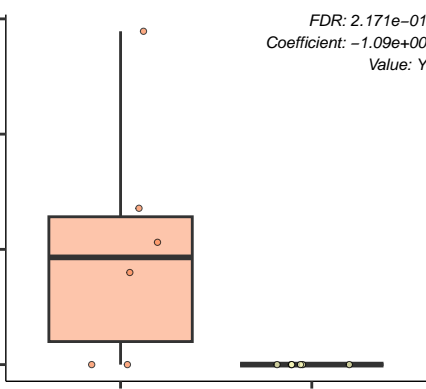
PWY.8004...Entner.Doudoroff.pathway.l.g\_\_Escherichia.s\_\_Esche

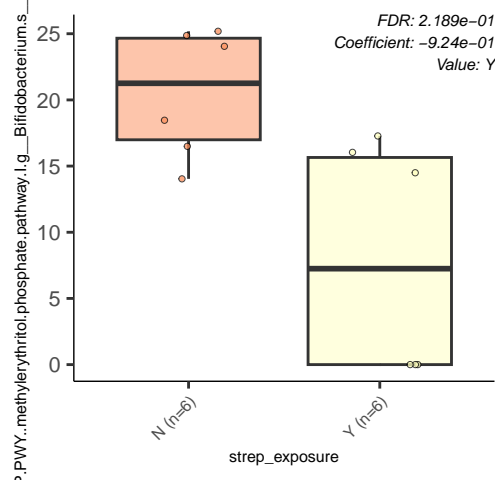
FDR: 2.171e-01  
Coefficient: -1.09e+00  
Value: Y

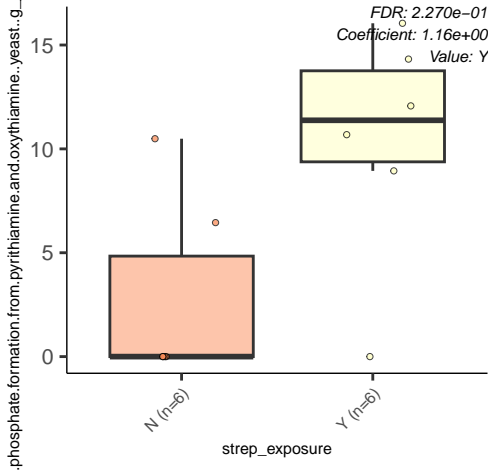
N (n=6)

Y (n=6)

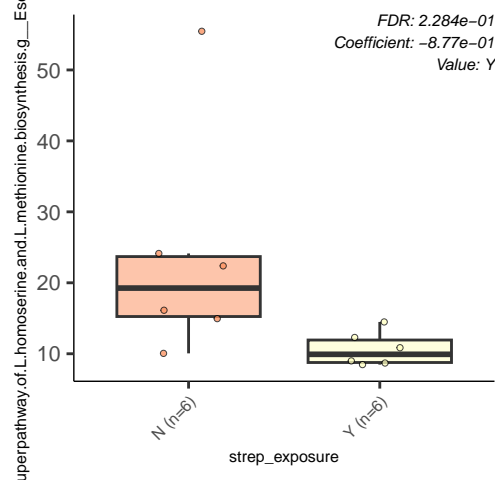
strep\_exposure











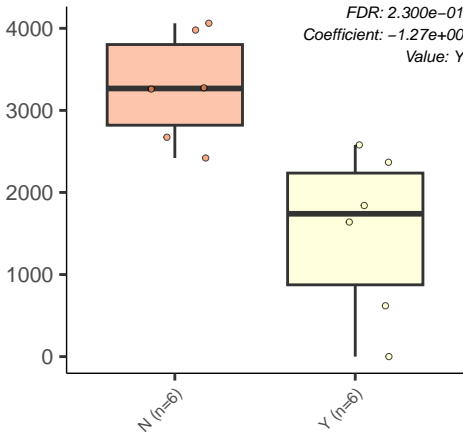
UNINTEGRATED.g\_\_Bacteroides.s\_\_Bacteroides\_thetaiotaor

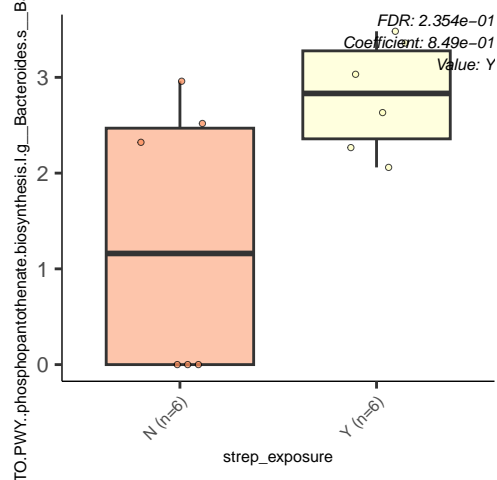
FDR: 2.300e-01  
Coefficient: -1.27e+00  
Value: Y

N (n=6)

Y (n=6)

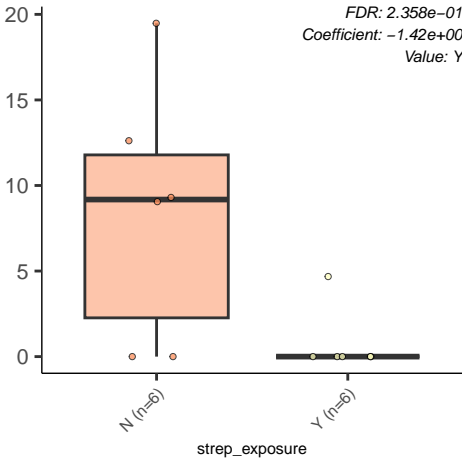
strep\_exposure

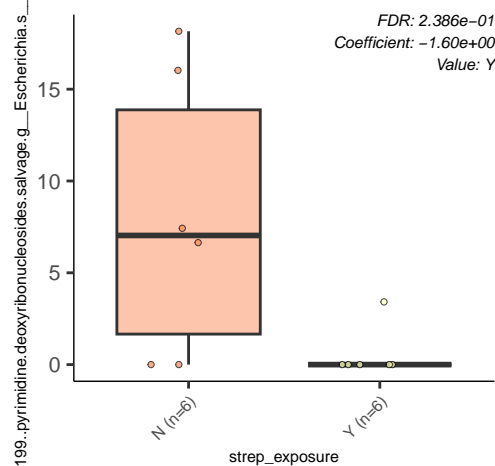




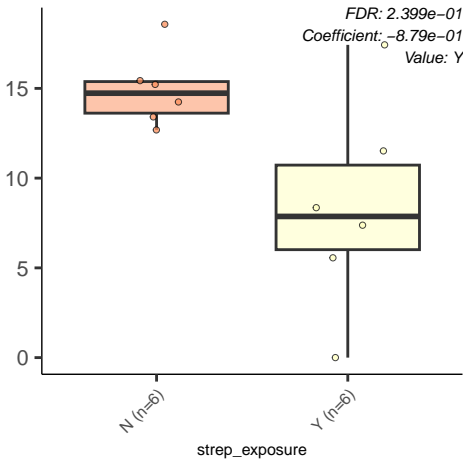
perpathway.of.purine.nucleotides.de.novo.biosynthesis.l.g\_\_Escheri

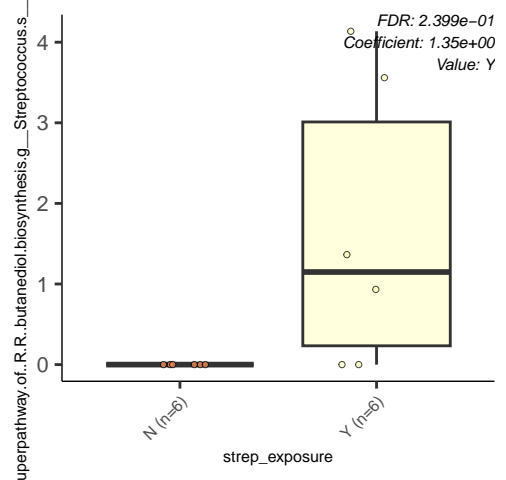
FDR: 2.358e-01  
Coefficient: -1.42e+00  
Value: Y

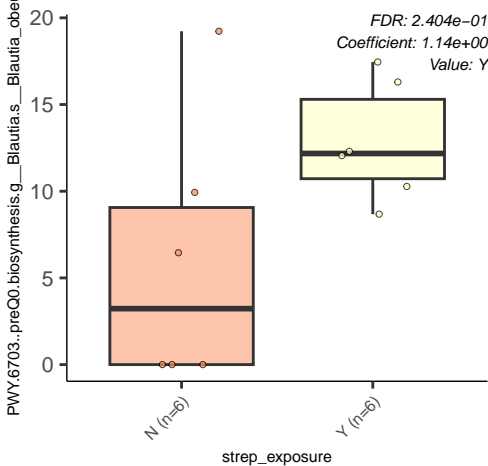




RUCAT.PWY..homolactic.fermentation.g\_\_Catenibacterium.s\_\_Cate









UNINTEGRATED.g\_\_Bacteroides.s\_\_Bacteroides\_eggert

FDR: 2.435e-01  
Coefficient: -1.12e+00  
Value: Y

1500

1000

500

0

N (n=6)

Y (n=6)

strep\_exposure

