

Fructose.6.phosphate\_259

*FDR: 3.384e-05*

*Coefficient: -9.91e-01*

*N: 249*

0.100  
0.075  
0.050  
0.025  
0.000

-2

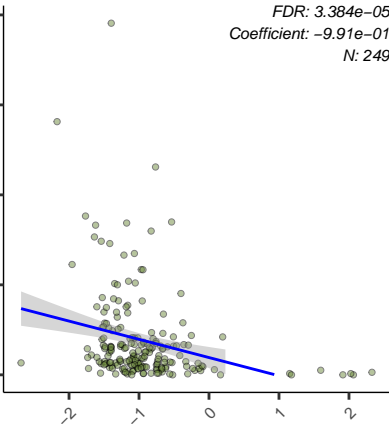
-1

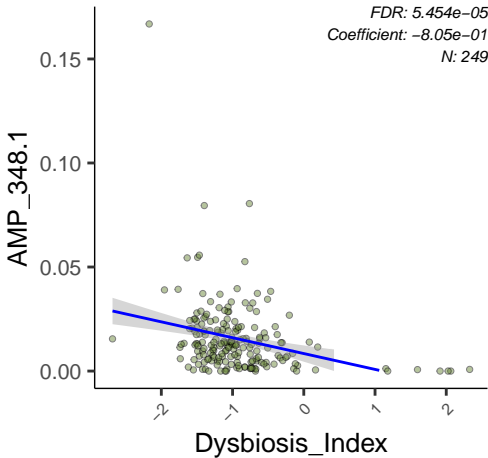
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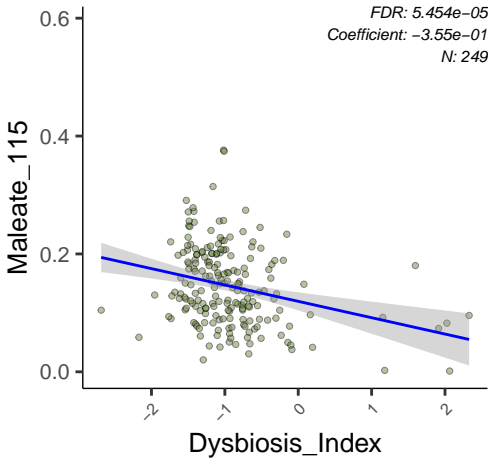
1

2

Dysbiosis\_Index







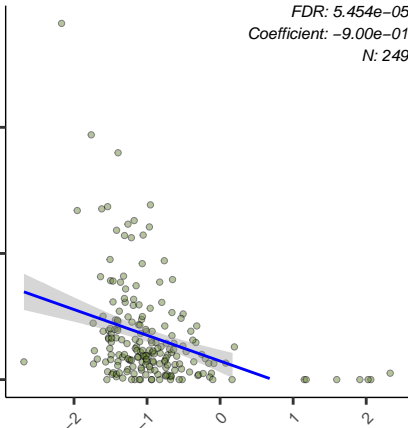
Sedoheptulose.7.phosphate\_289

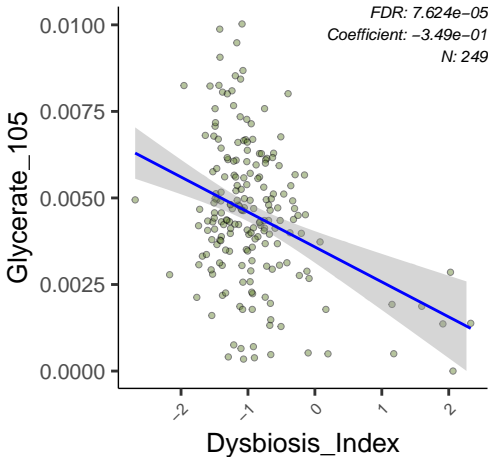
*FDR: 5.454e-05*  
*Coefficient: -9.00e-01*  
*N: 249*

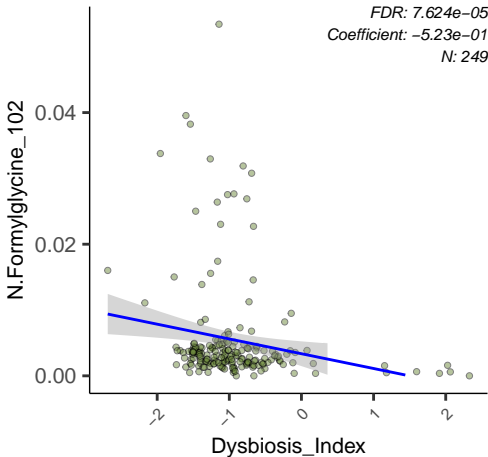
0.02  
0.01  
0.00

-2 -1 0 1 2

Dysbiosis\_Index







Ribose.phosphate\_229

*FDR: 7.624e-05*  
*Coefficient: -8.25e-01*  
*N: 249*

0.020

0.015

0.010

0.005

0.000

-2

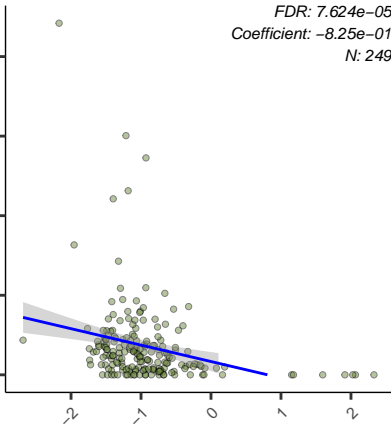
-1

0

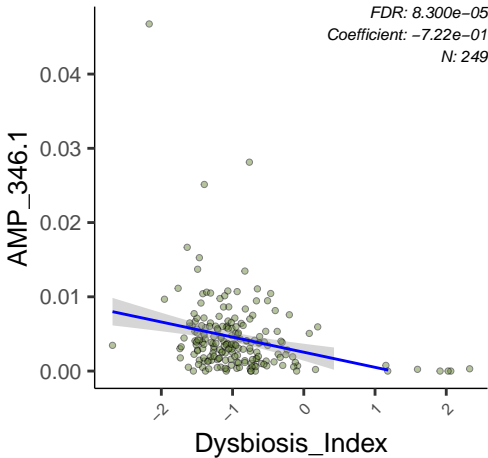
1

2

Dysbiosis\_Index







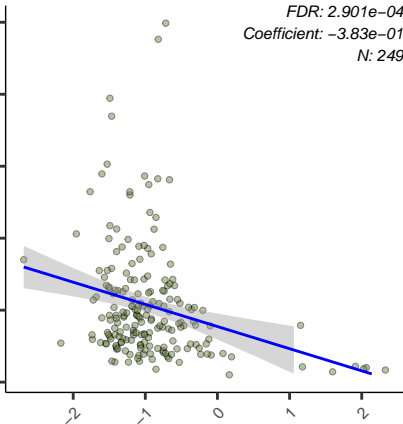
N.Methylglutamate\_162.1

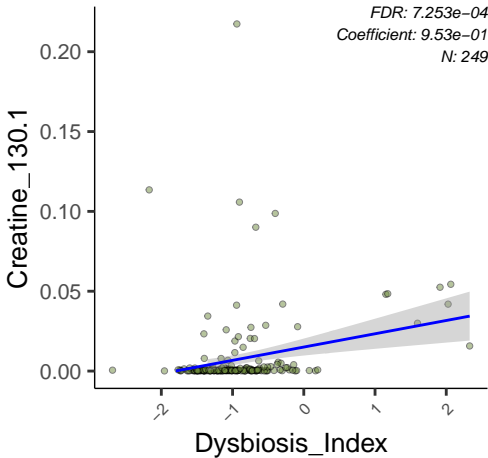
0.25  
0.20  
0.15  
0.10  
0.05  
0.00

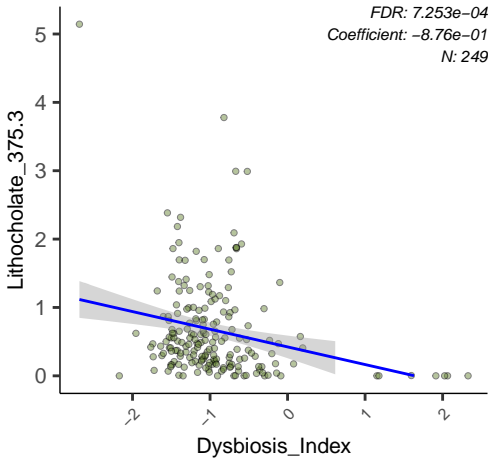
*FDR: 2.901e-04*  
*Coefficient: -3.83e-01*  
*N: 249*

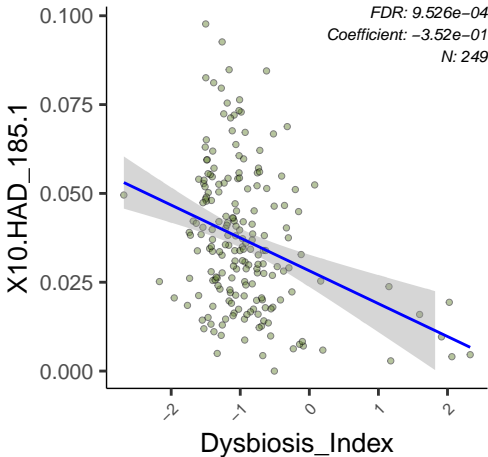
-2 -1 0 1 2

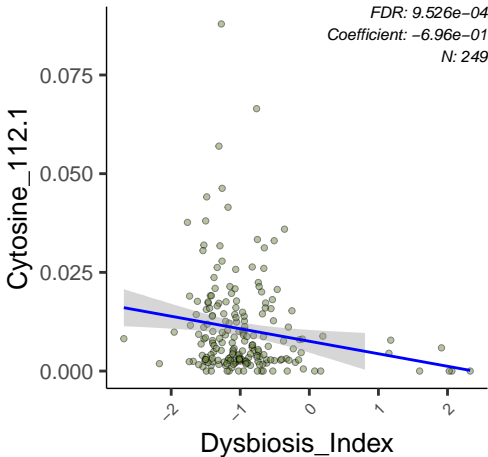
Dysbiosis\_Index

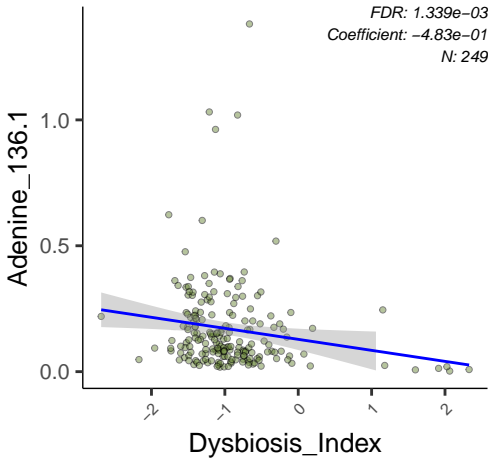


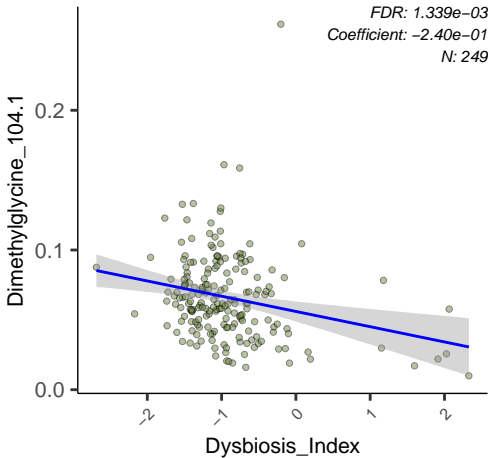




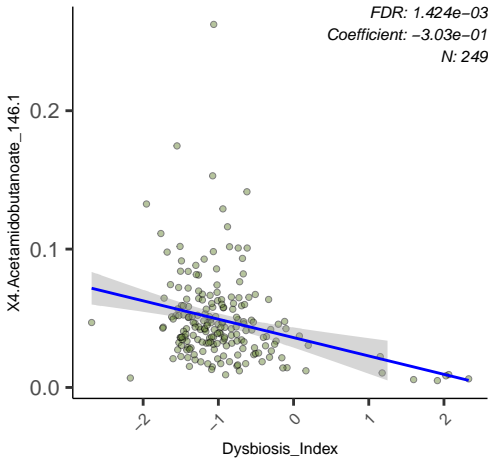


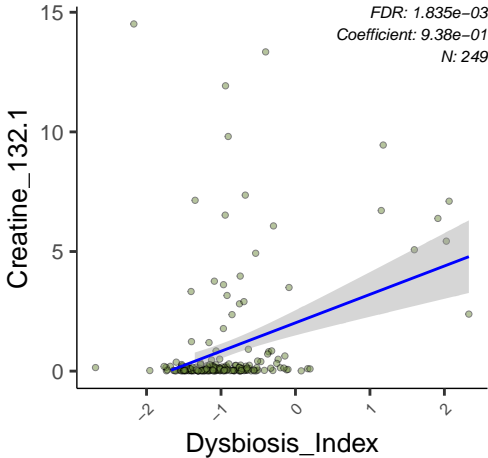


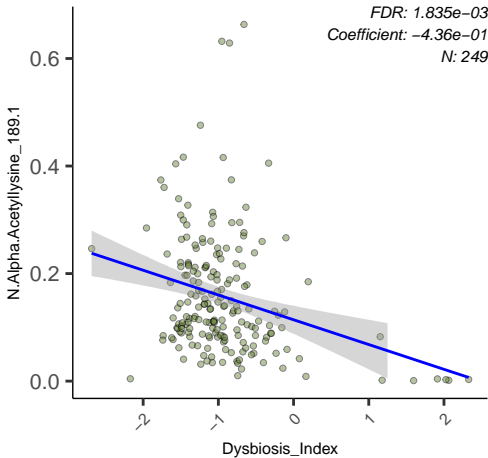












X2.Deoxy.D.Glucose.6.phosphate\_243

*FDR: 2.209e-03*  
*Coefficient: -6.57e-01*  
*N: 249*

0.006  
0.004  
0.002  
0.000

-2

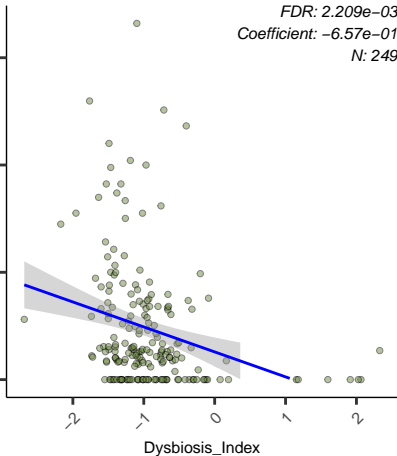
-1

0

1

2

Dysbiosis\_Index



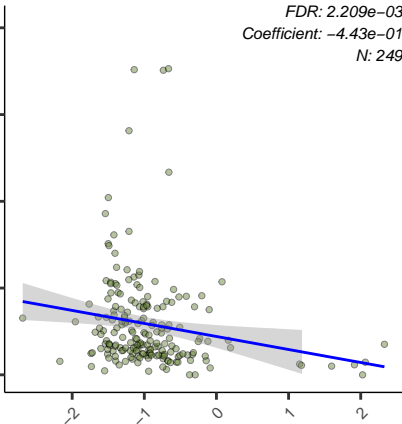
X5.Deoxyadenosine\_252.1

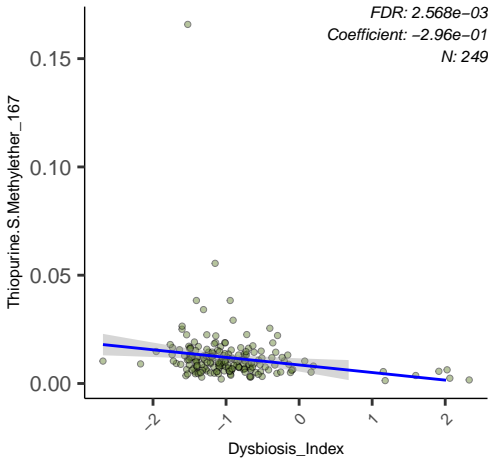
0.08  
0.06  
0.04  
0.02  
0.00

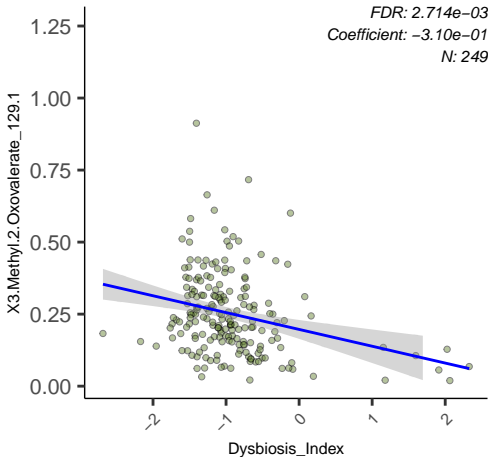
*FDR: 2.209e-03*  
*Coefficient: -4.43e-01*  
*N: 249*

-2 -1 0 1 2

Dysbiosis\_Index







Diethyl.2.Methyl.3.Oxosuccinate\_201.1

*FDR: 2.714e-03*  
*Coefficient: -3.18e-01*  
*N: 249*

0.09  
0.06  
0.03  
0.00

-2

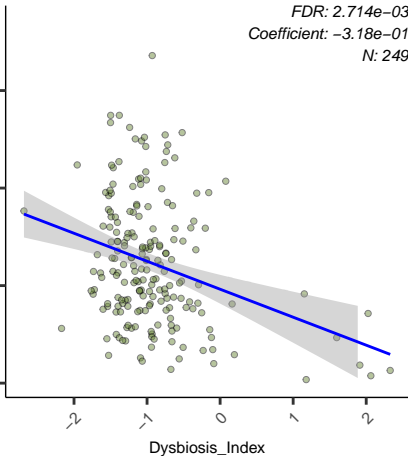
-1

0

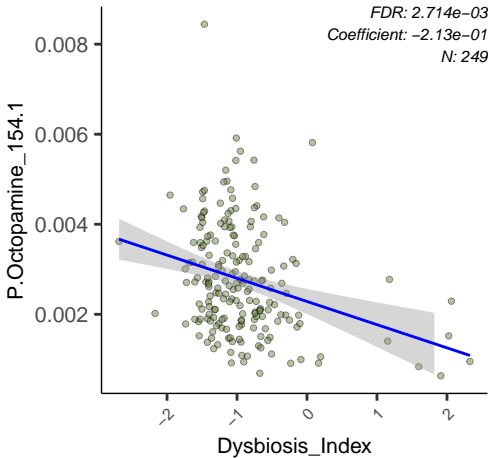
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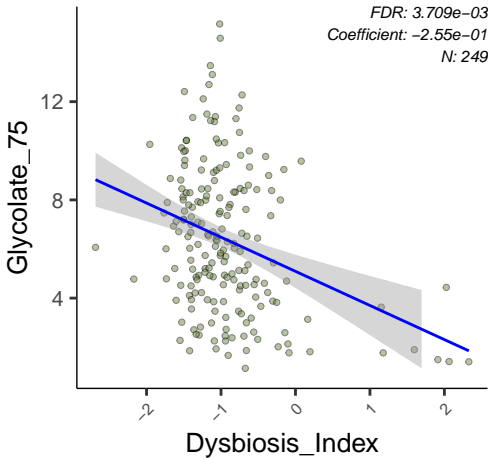
2

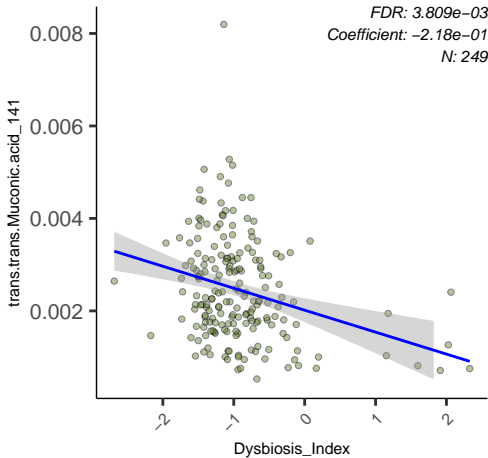
Dysbiosis\_Index











N.Methylaspartate\_148.1

0.010

0.005

0.000

-2

-1

0

1

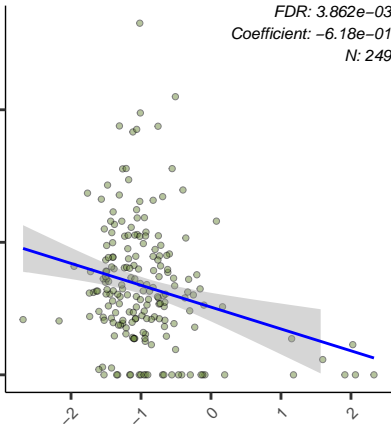
2

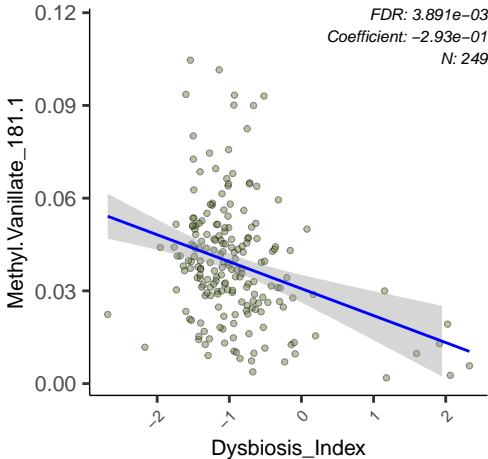
Dysbiosis\_Index

*FDR: 3.862e-03*

*Coefficient: -6.18e-01*

*N: 249*





Dehydroascorbate\_173

*FDR: 3.991e-03*  
*Coefficient: -3.20e-01*  
*N: 249*

0.006  
0.004  
0.002  
0.000

-2

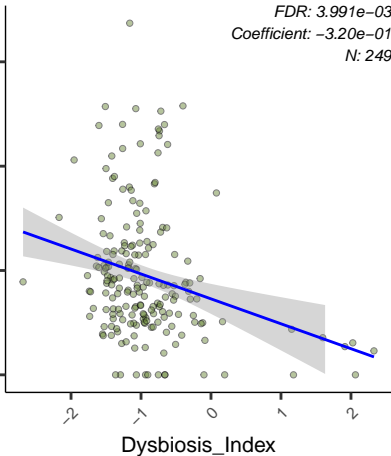
-1

0

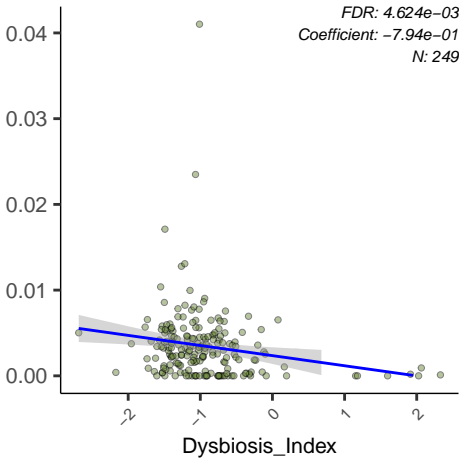
1

2

Dysbiosis\_Index

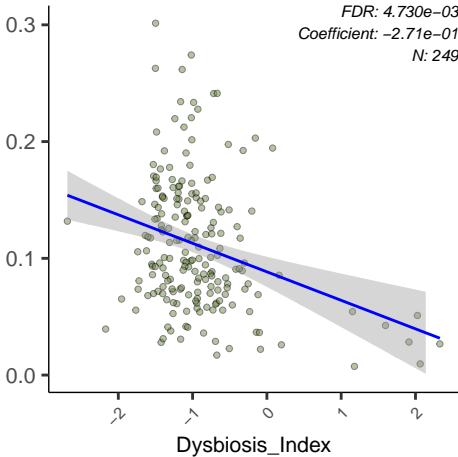


N.Acetylserotonin\_219.1

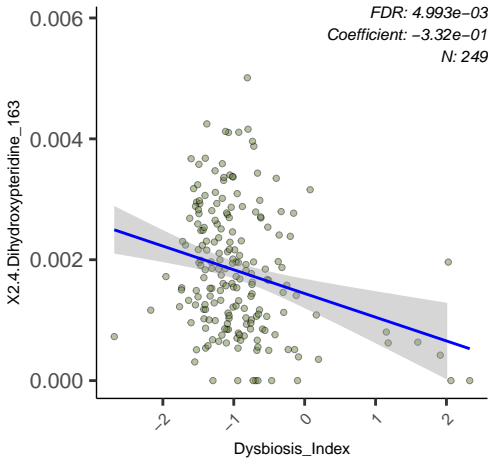


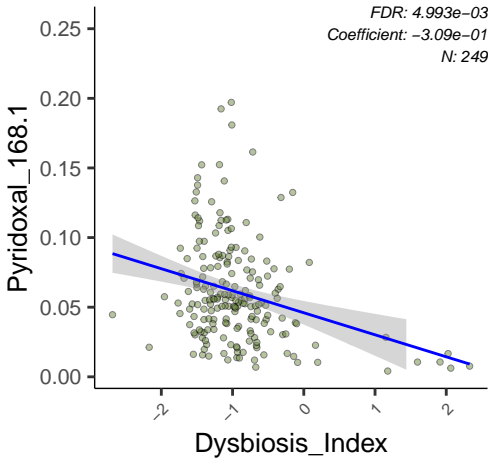
Tridecanoic.acid\_213.2

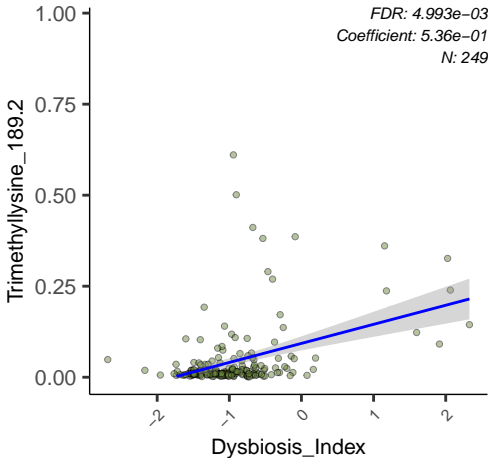
*FDR: 4.730e-03*  
*Coefficient: -2.71e-01*  
*N: 249*











Glucose.6.Phosphate\_259

FDR:  $5.558e-03$

Coefficient:  $-7.32e-01$

N: 249

0.20

0.15

0.10

0.05

0.00

-2

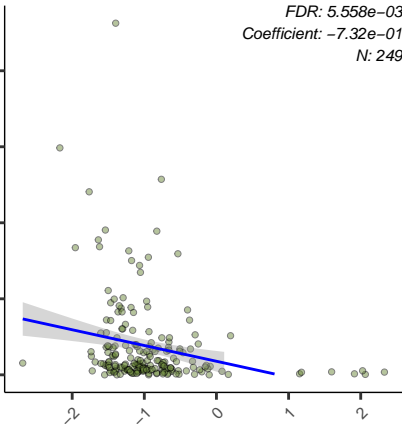
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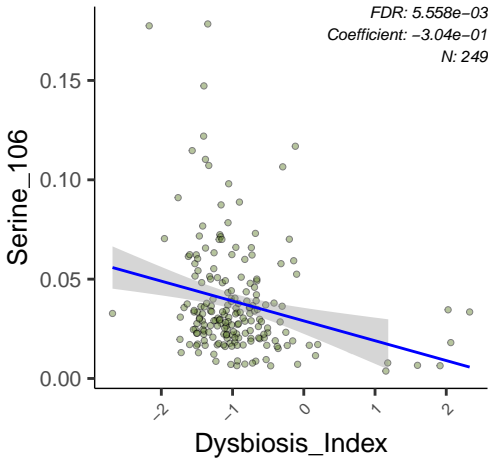
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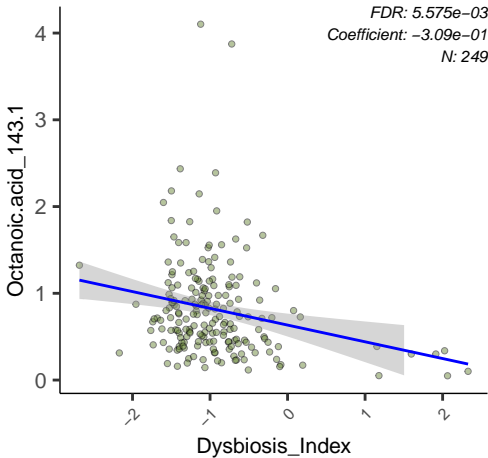
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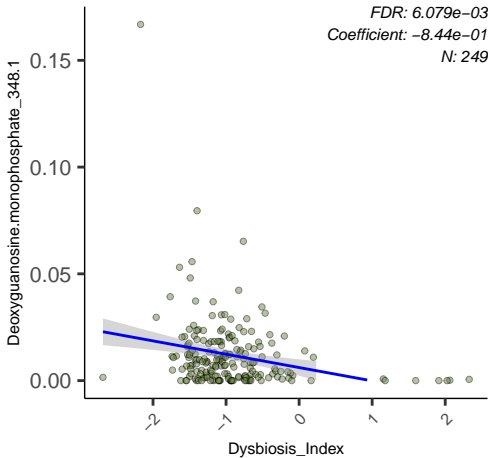
2

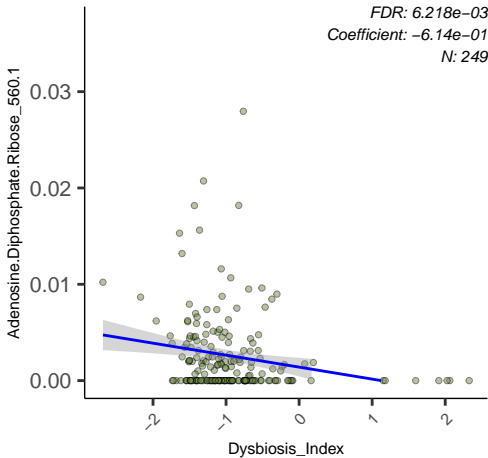
Dysbiosis\_Index



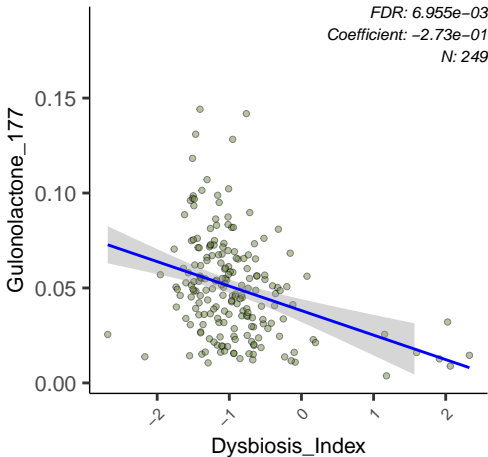


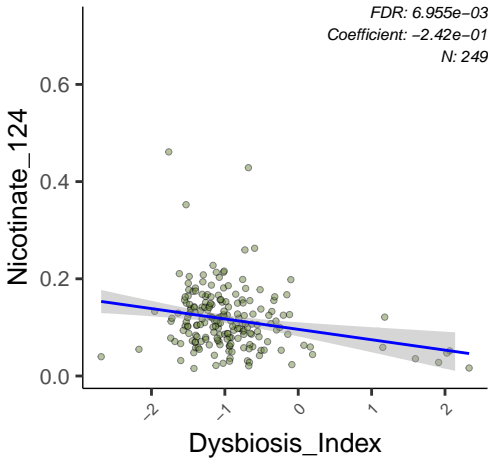


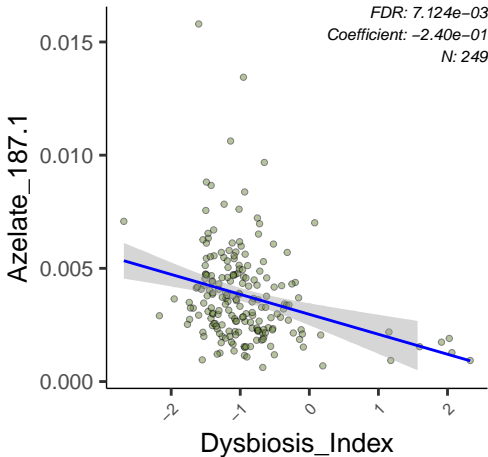












N.Acetylmethionine\_192.1

FDR:  $7.124e-03$

Coefficient:  $-3.39e-01$

N: 249

0.15

0.10

0.05

0.00

-2

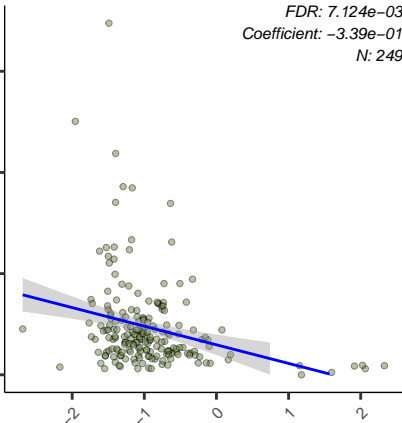
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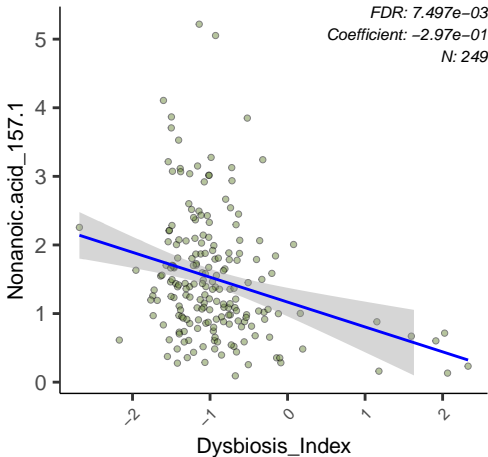
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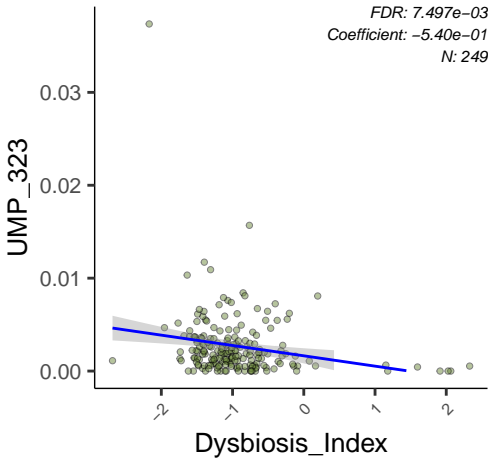
1

2

Dysbiosis\_Index







Methyl.Jasmonate\_225.1

*FDR: 9.843e-03*  
*Coefficient: -3.48e-01*  
*N: 249*

0.04  
0.03  
0.02  
0.01  
0.00

-2

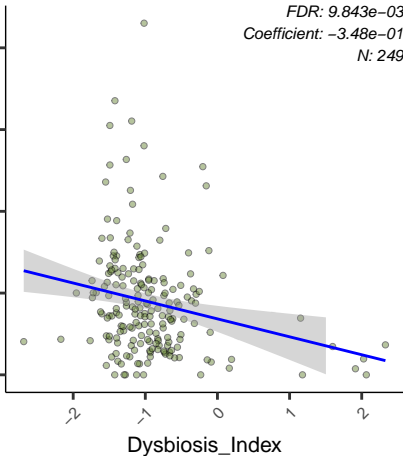
-1

0

1

2

Dysbiosis\_Index



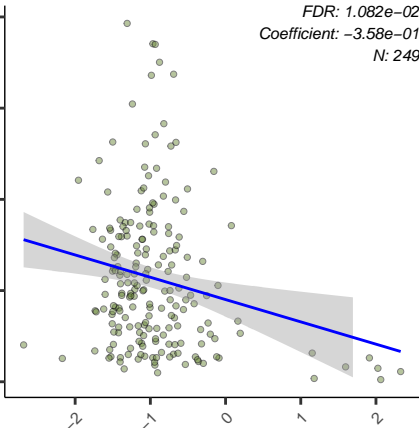
X2.Hydroxyhexadecanoic.acid\_271.2

FDR: 1.082e-02  
Coefficient: -3.58e-01  
N: 249

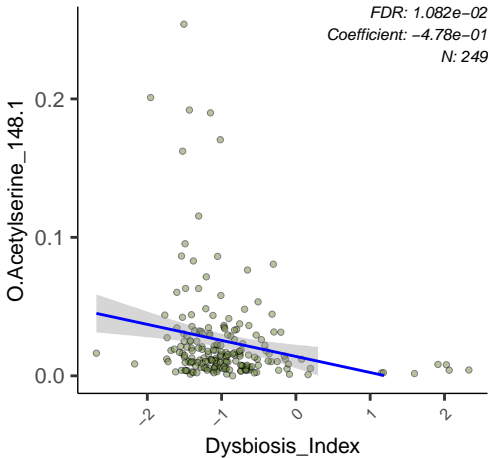
1.2  
0.9  
0.6  
0.3  
0.0

2 1 0 1 2

Dysbiosis\_Index

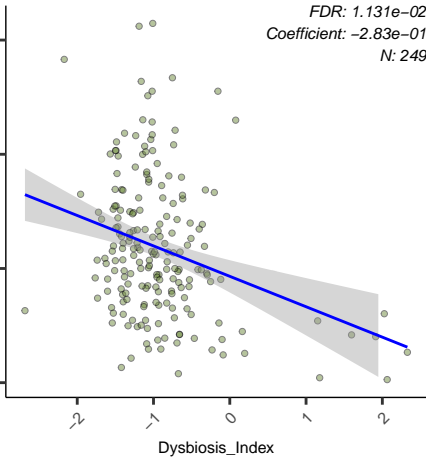


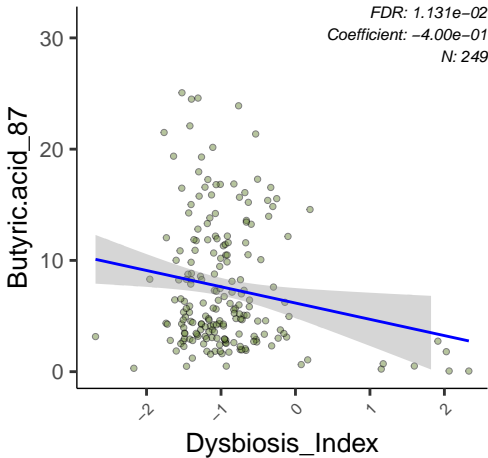


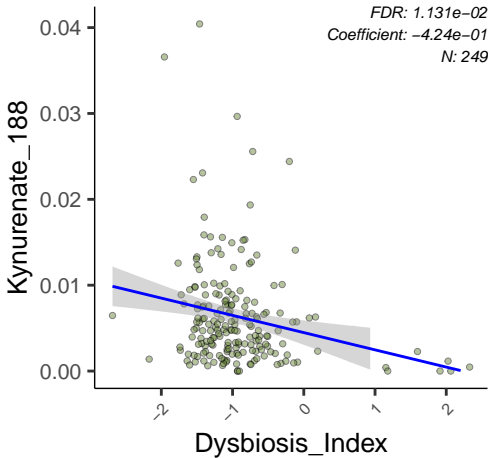


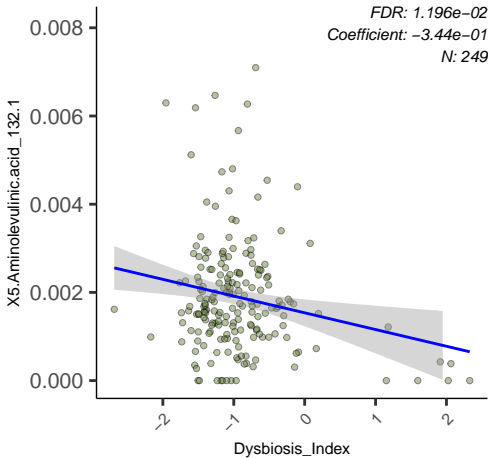
X3.Hydroxybenzaldehyde\_121

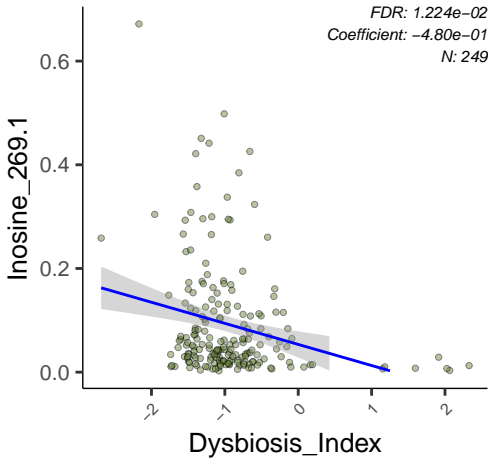
*FDR: 1.131e-02*  
*Coefficient: -2.83e-01*  
*N: 249*

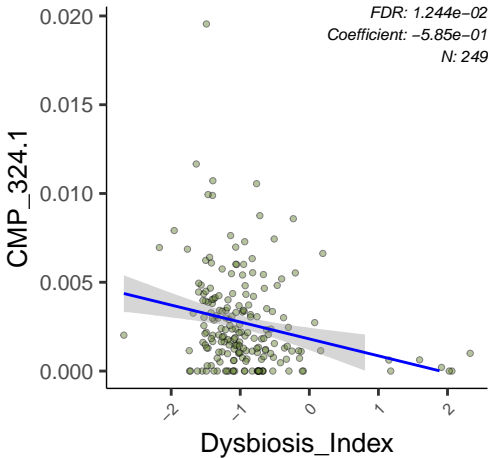












Galactose.1.Phosphate\_261

FDR: 1.263e-02

Coefficient: -8.19e-01

N: 249

0.04

0.02

0.00

-2

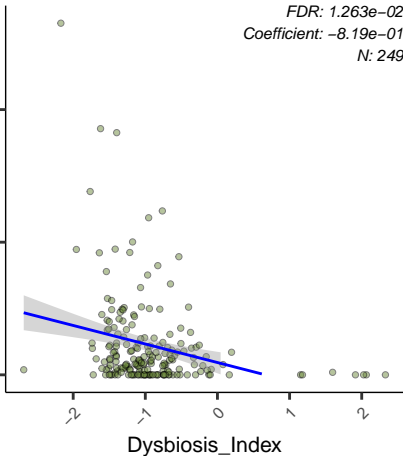
-1

0

1

2

Dysbiosis\_Index





Lactose\_343.1

*FDR: 1.263e-02*  
*Coefficient: 5.96e-01*  
*N: 249*

0.15  
0.10  
0.05  
0.00

2

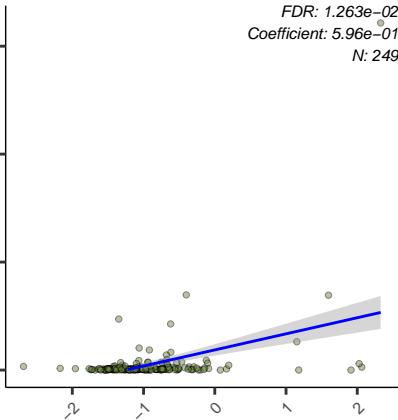
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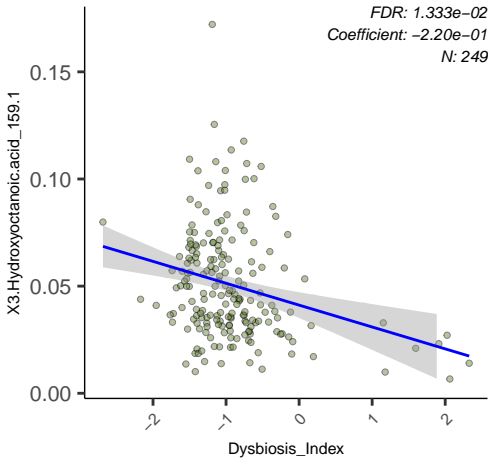
0

1

2

Dysbiosis\_Index





Monoethylmalonate\_131

*FDR: 1.460e-02*  
*Coefficient: -2.36e-01*  
*N: 249*

0.3  
0.2  
0.1  
0.0

-2

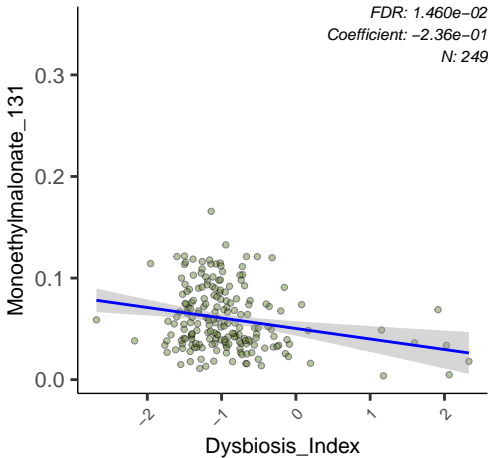
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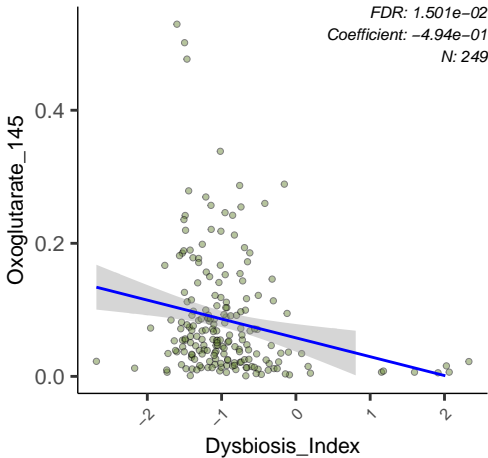
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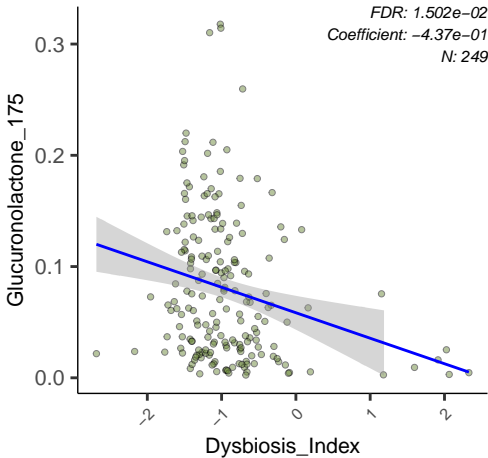
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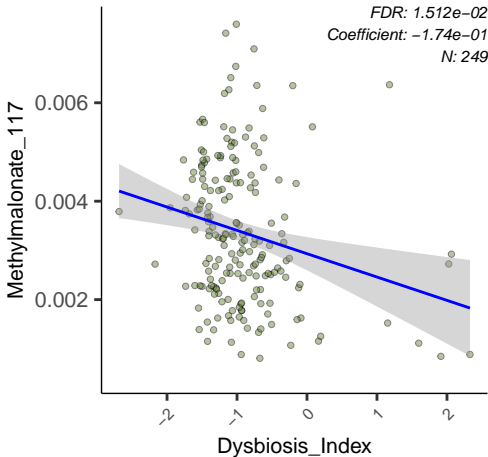
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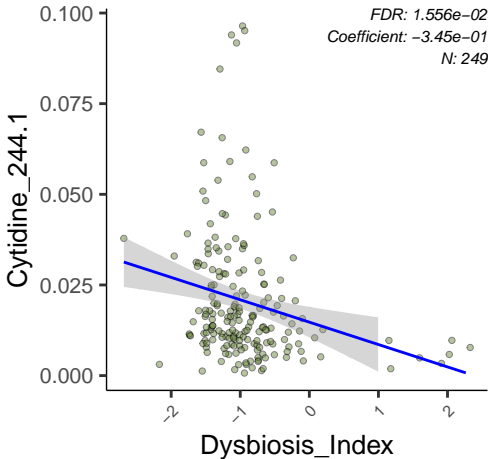
Dysbiosis\_Index

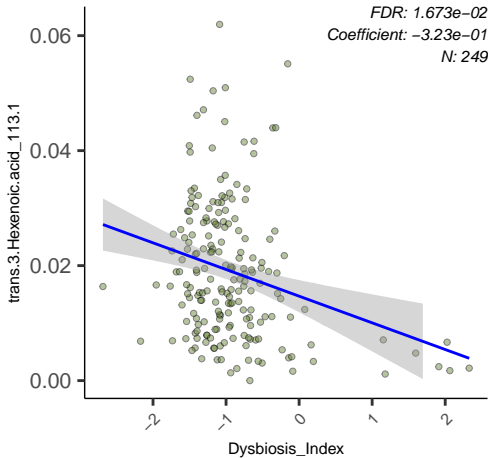














X3.Methylglutaconate\_143

*FDR: 1.701e-02*  
*Coefficient: -2.39e-01*  
*N: 249*

0.10  
0.05  
0.00

-2

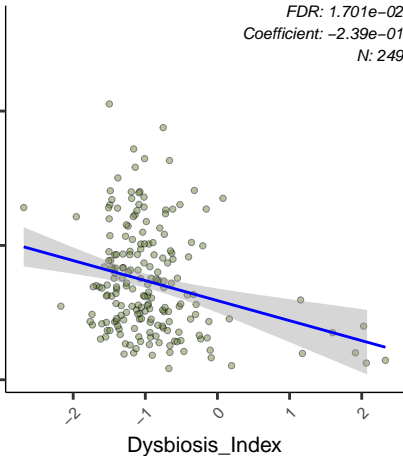
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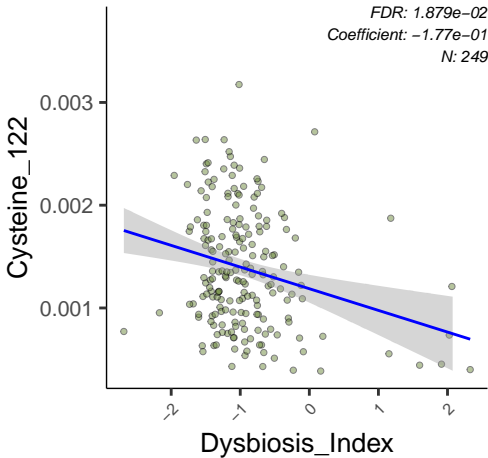
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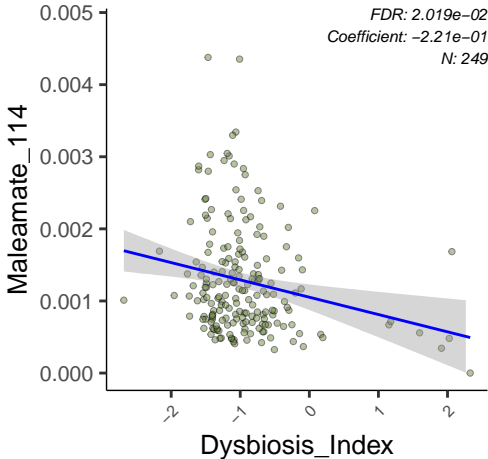
1

2

Dysbiosis\_Index







Cholate\_407.3

FDR: 2.031e-02  
Coefficient: 7.84e-01  
N: 249

9

6

3

0

-2

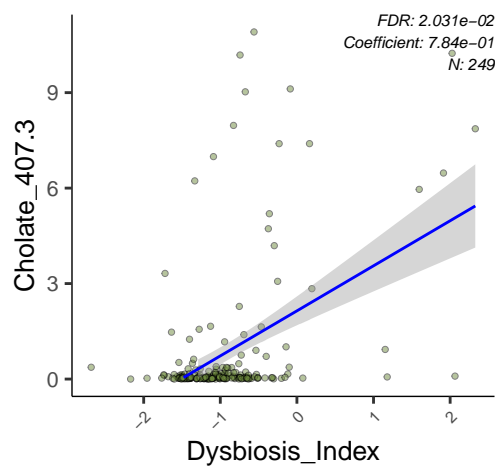
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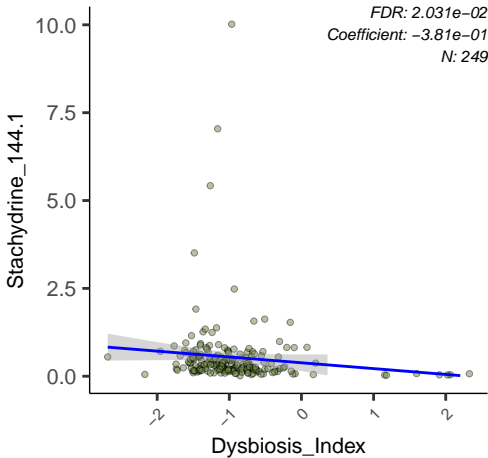
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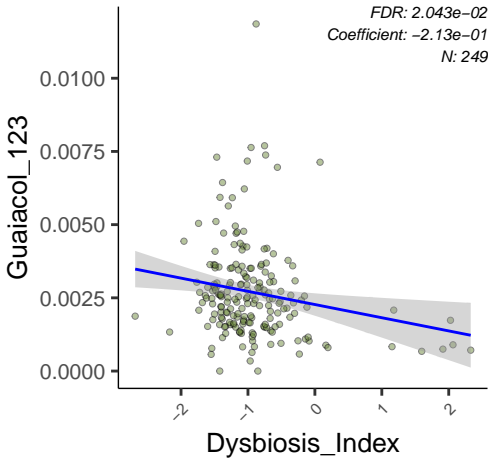
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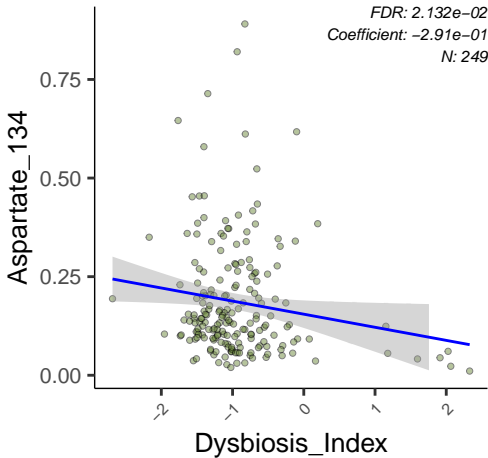
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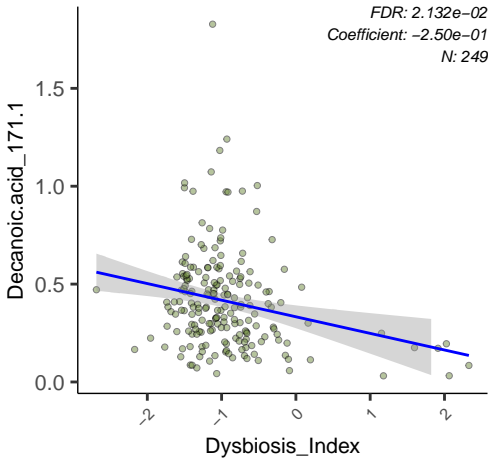
Dysbiosis\_Index



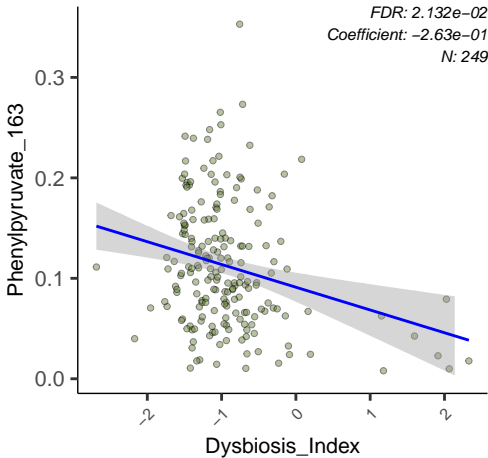


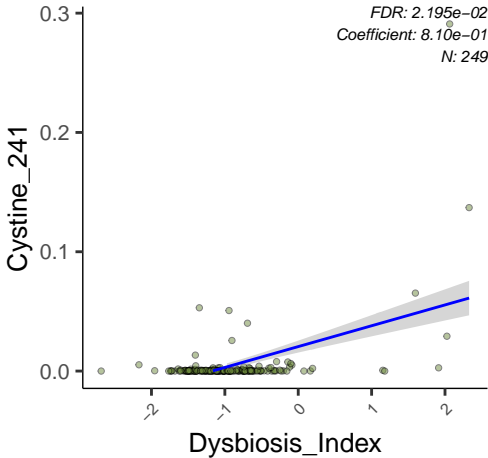


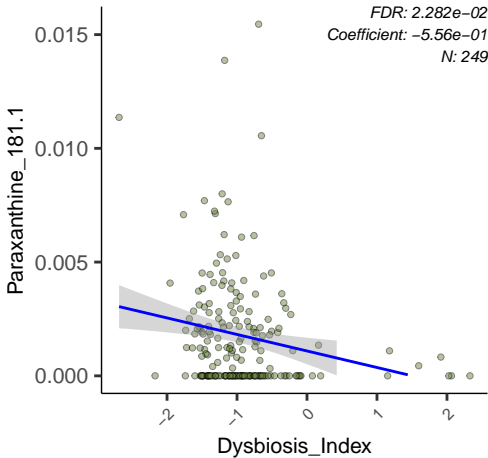












Salicylate\_137

*FDR: 2.440e-02*  
*Coefficient: -2.30e-01*  
*N: 249*

0.4  
0.3  
0.2  
0.1  
0.0

2

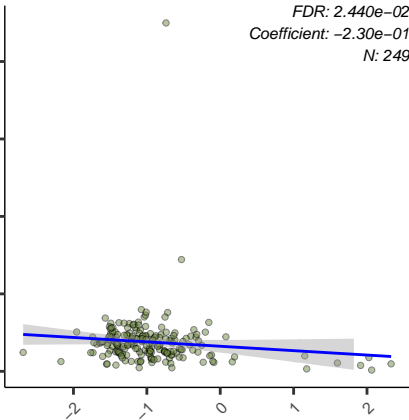
1

0

1

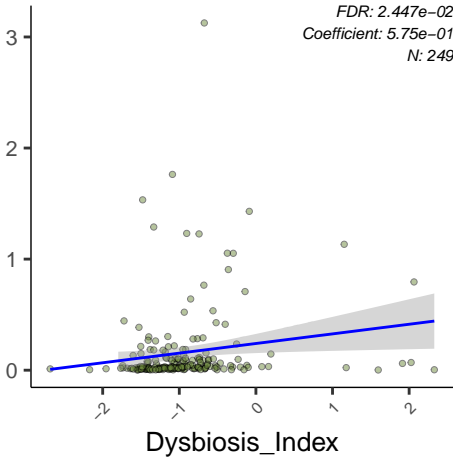
2

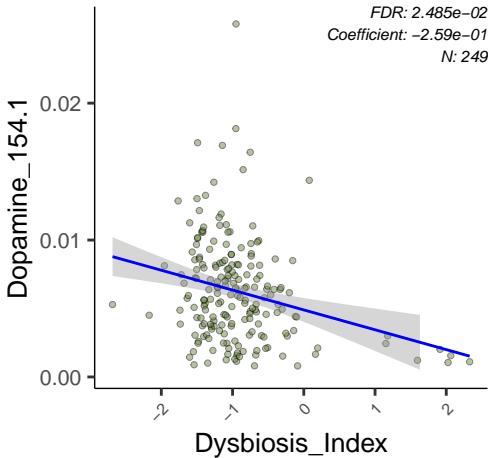
Dysbiosis\_Index

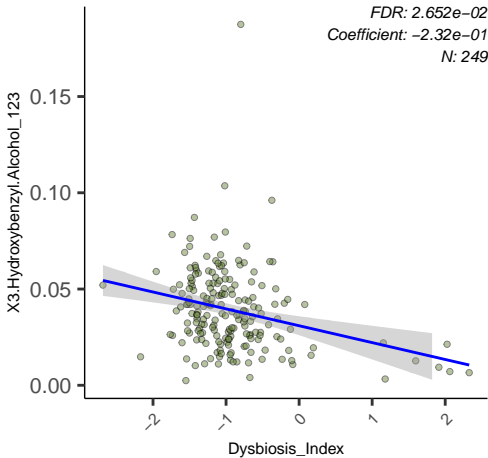


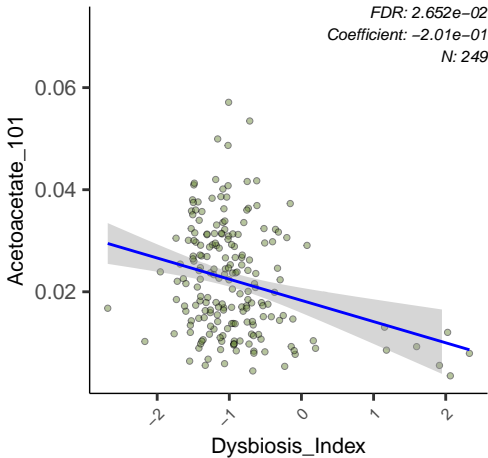
Tyramine\_138.1

*FDR: 2.447e-02*  
*Coefficient: 5.75e-01*  
*N: 249*











Glyceraldehyde.3.phosphate\_169

0.020

0.015

0.010

0.005

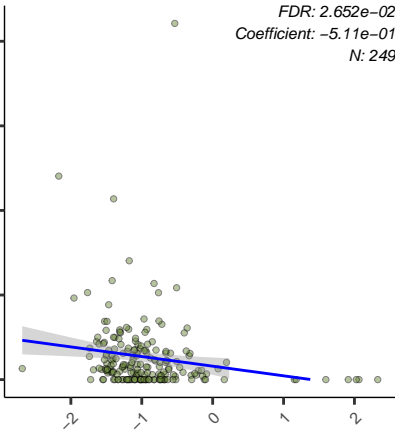
0.000

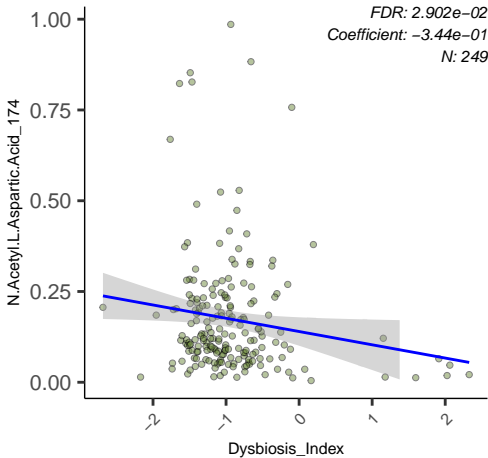
Dysbiosis\_Index

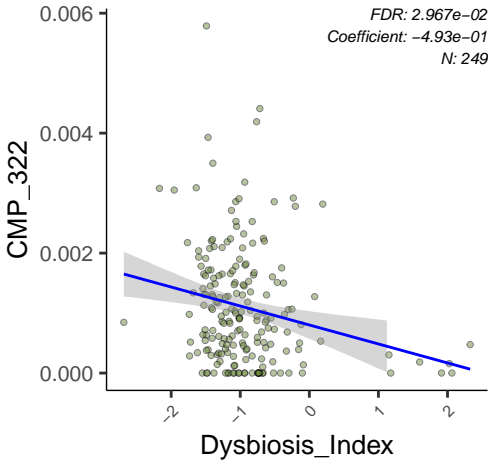
*FDR: 2.652e-02*

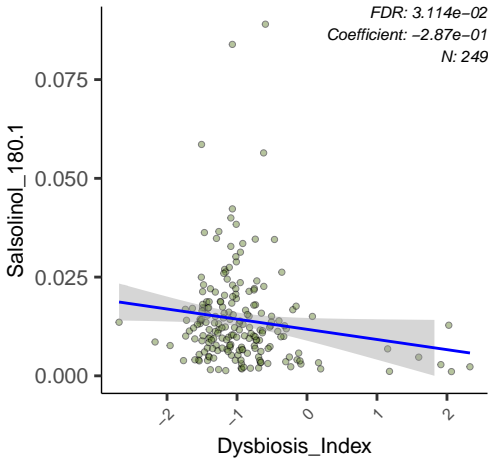
*Coefficient: -5.11e-01*

*N: 249*









DHAP\_169

*FDR: 3.224e-02*

*Coefficient: -5.24e-01*

*N: 249*

0.020

0.015

0.010

0.005

0.000

-2

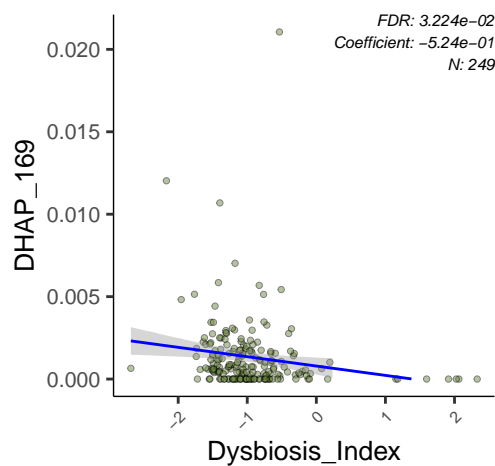
-1

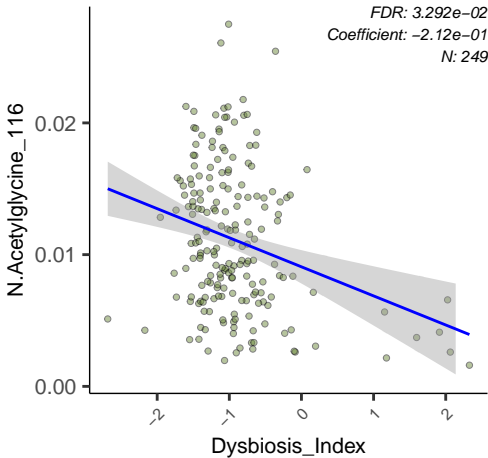
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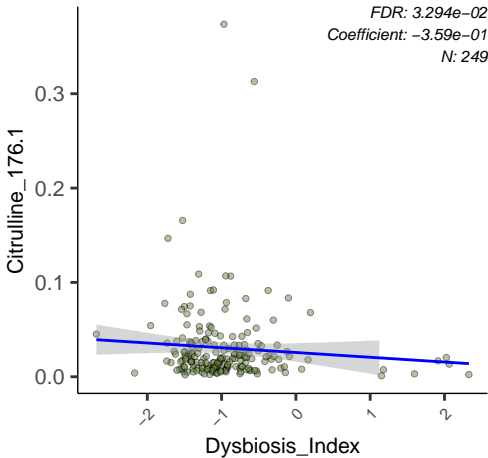
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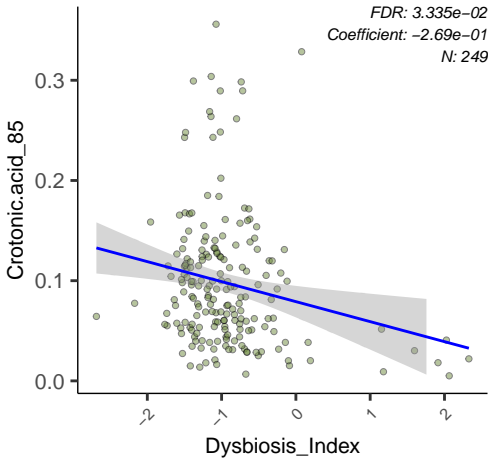
2

Dysbiosis\_Index

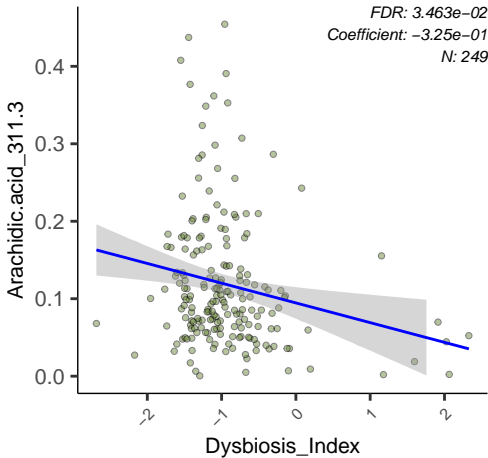






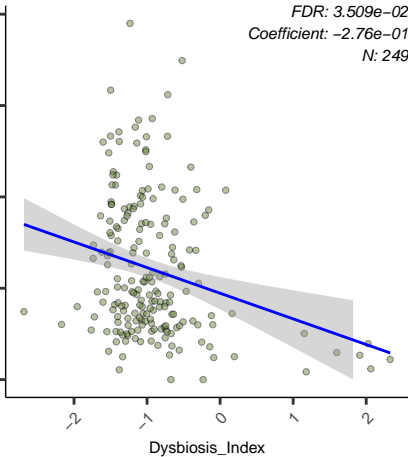






X10.Hydroxydecanoic.acid\_187.1

FDR: 3.509e-02  
Coefficient: -2.76e-01  
N: 249



Undecanoic.acid\_185.2

*FDR: 3.663e-02*

*Coefficient: -2.54e-01*

*N: 249*

0.2

0.1

0.0

-2

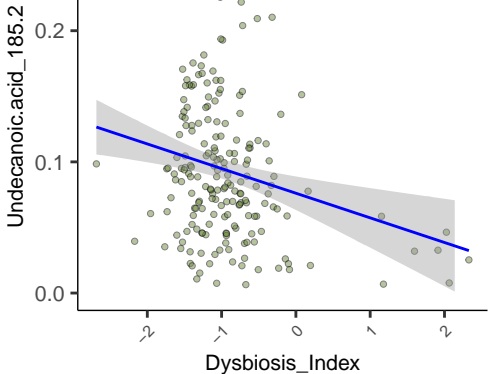
-1

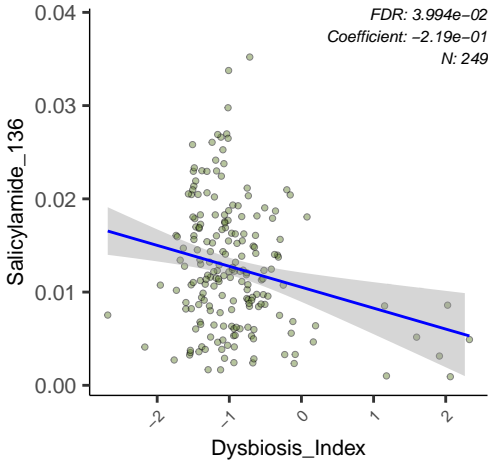
0

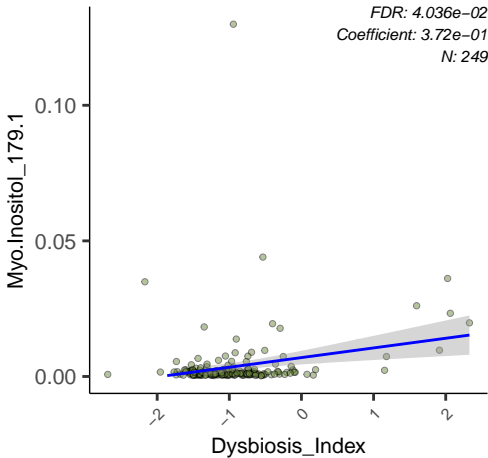
1

2

Dysbiosis\_Index







X2.Phosphoglycerate\_185

FDR: 4.166e-02

Coefficient: -4.63e-01

N: 249

0.004  
0.002  
0.000

-2

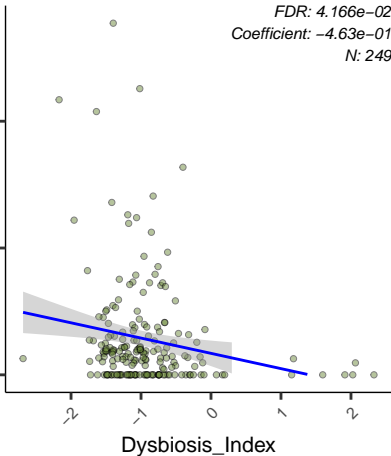
-1

0

1

2

Dysbiosis\_Index



X6.Hydroxynicotinate\_138

FDR: 4.272e-02

Coefficient: -1.72e-01

N: 249

0.010

0.005

0.000

-2

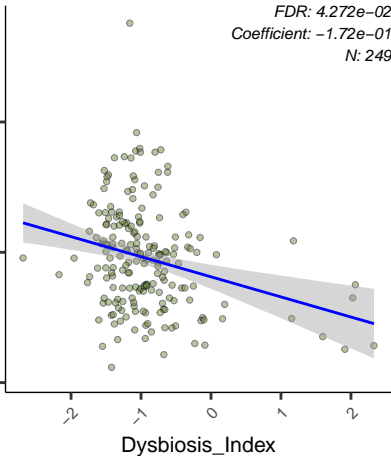
-1

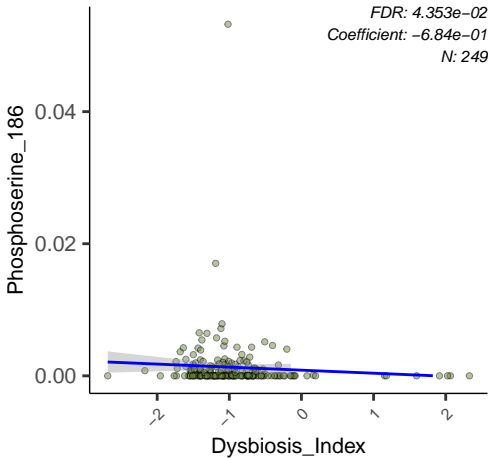
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1

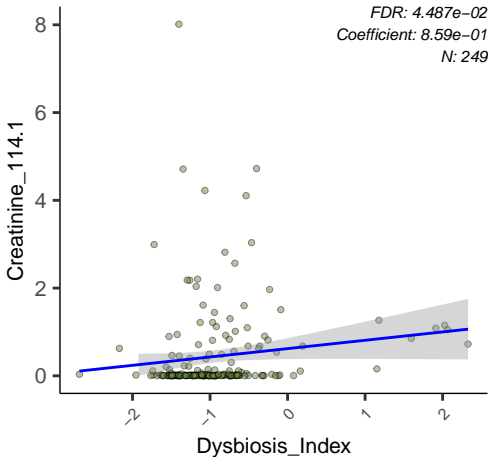
2

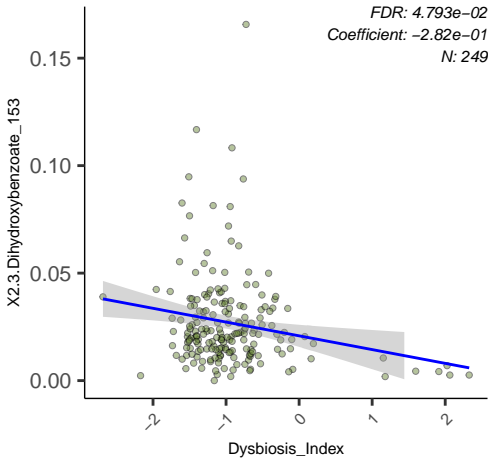
Dysbiosis\_Index











Deoxyguanosine\_268.1

*FDR: 4.793e-02*

*Coefficient: -2.79e-01*

*N: 249*

0.15

0.10

0.05

0.00

-2

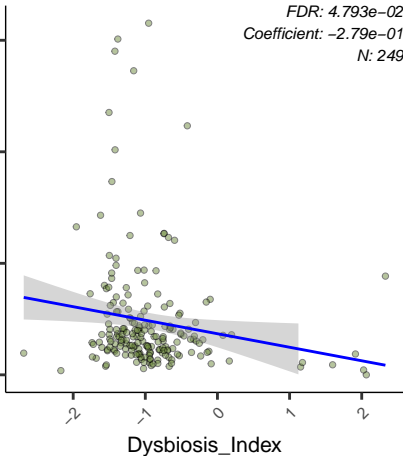
-1

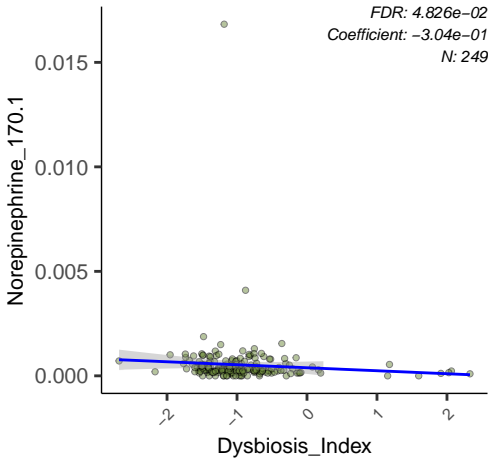
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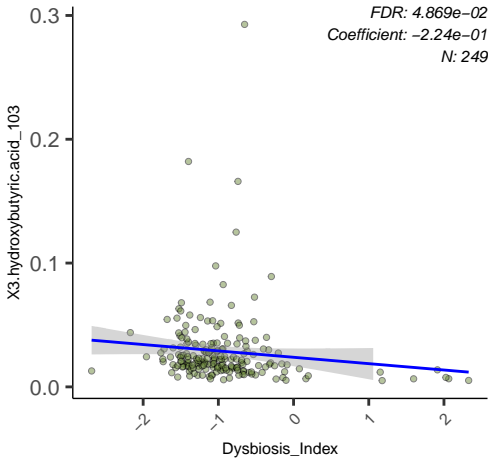
1

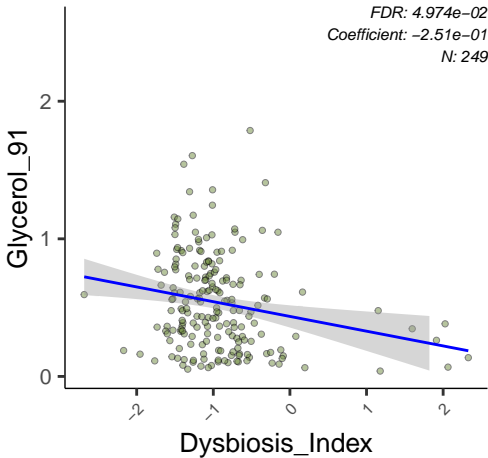
2

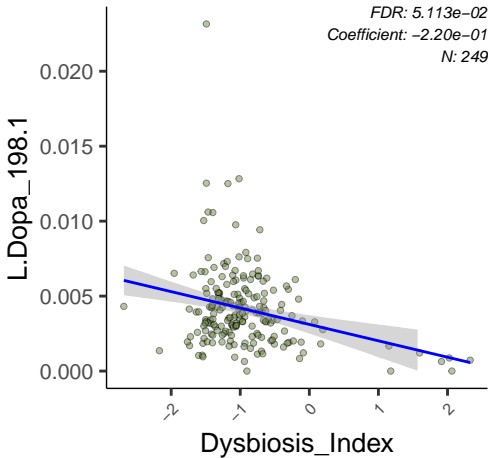
Dysbiosis\_Index

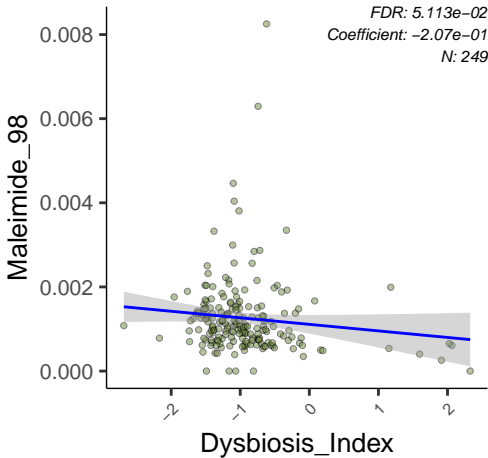














Nonadecanoic.acid\_297.3

0.100  
0.075  
0.050  
0.025  
0.000

-2

-1

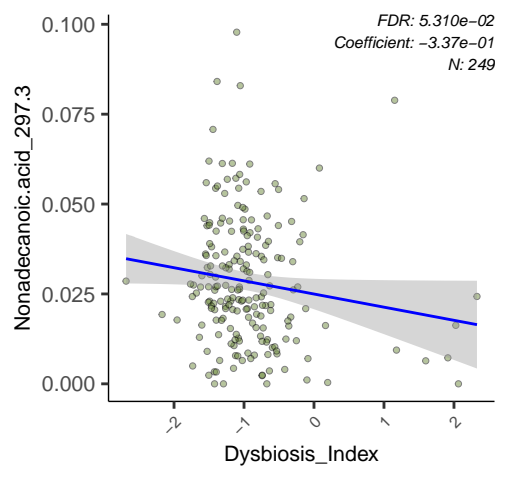
0

1

2

Dysbiosis\_Index

*FDR: 5.310e-02*  
*Coefficient: -3.37e-01*  
*N: 249*

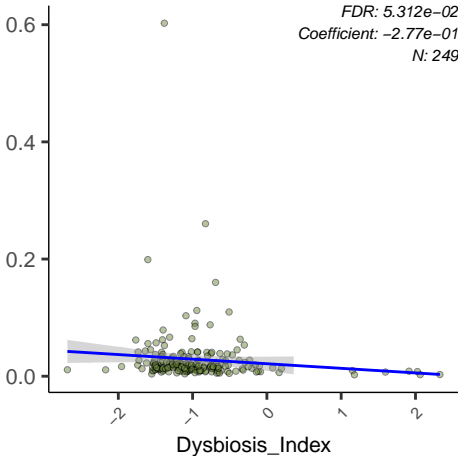


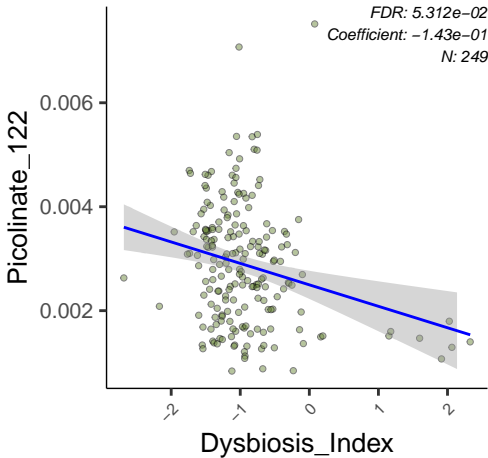
X4.Hydroxybenzoate\_137

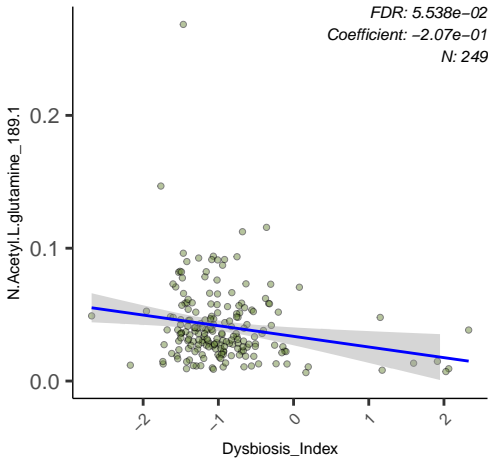
FDR: 5.312e-02

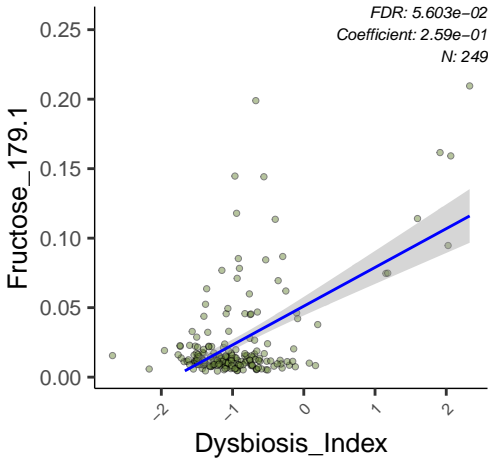
Coefficient: -2.77e-01

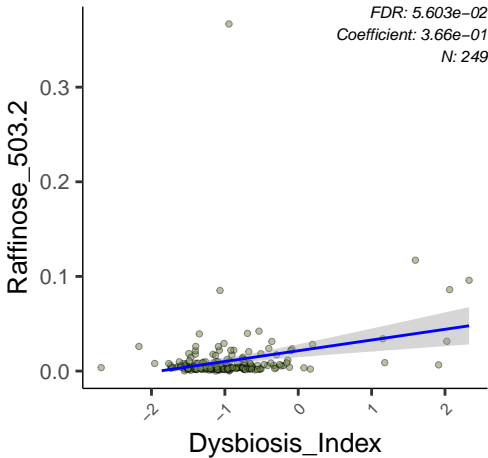
N: 249

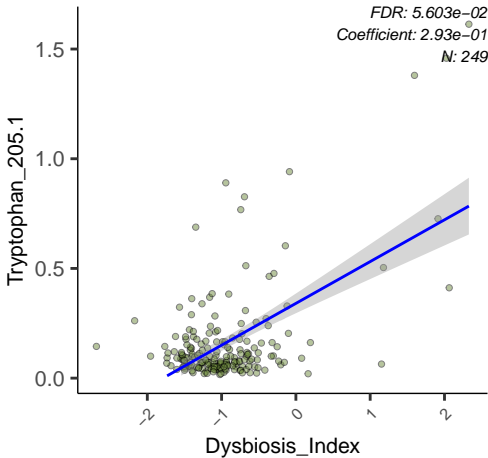


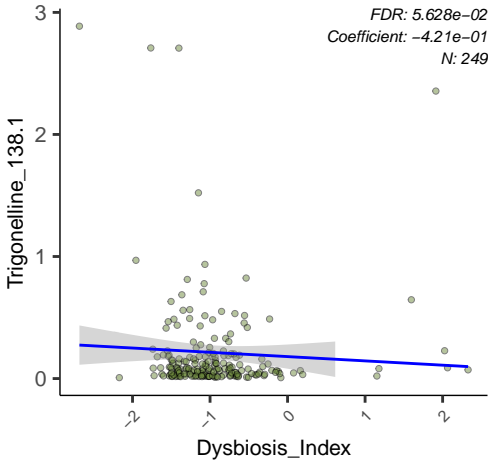














Adipate\_145.1

FDR:  $6.085e-02$   
Coefficient:  $-2.79e-01$   
N: 249

1.0  
0.5  
0.0

2

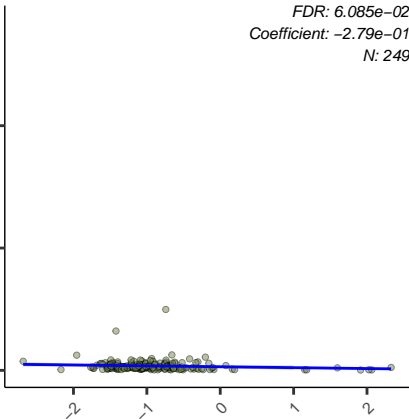
1

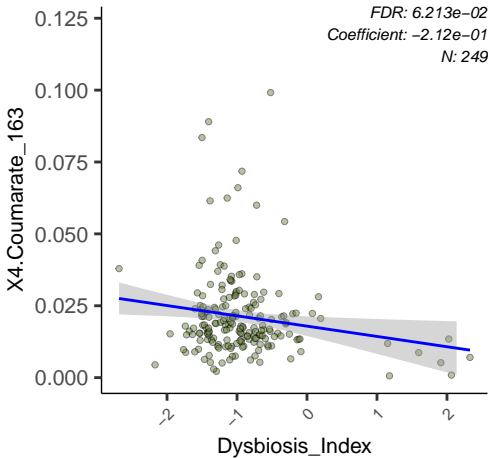
0

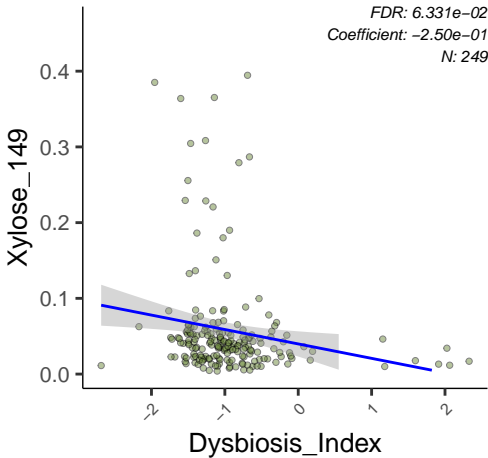
1

2

Dysbiosis\_Index







X3.Dehydroshikimate\_171

FDR: 6.617e-02  
Coefficient: -2.69e-01  
N: 249

0.20  
0.15  
0.10  
0.05  
0.00

-2

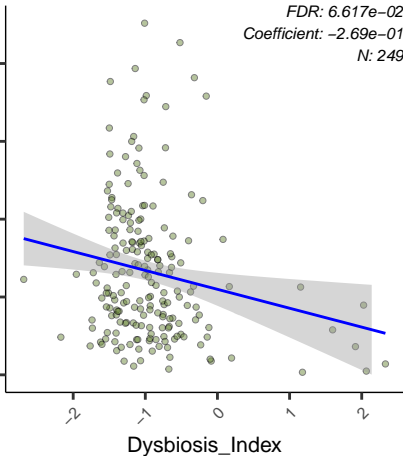
-1

0

1

2

Dysbiosis\_Index



X3.Methoxytyrosine\_210.1

FDR: 6.617e-02

Coefficient: -1.79e-01

N: 249

0.03  
0.02  
0.01  
0.00

-2

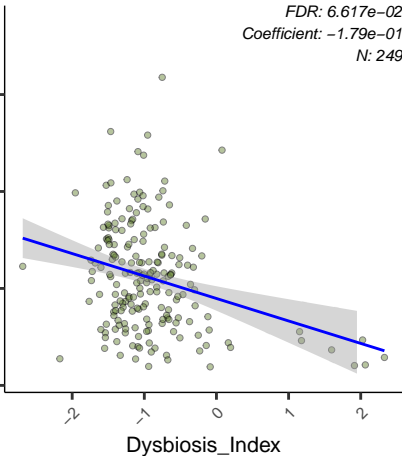
-1

0

1

2

Dysbiosis\_Index



X3.Methyladenine\_150.1

FDR: 6.617e-02

Coefficient: -2.33e-01

N: 249

0.05  
0.04  
0.03  
0.02  
0.01  
0.00

-2

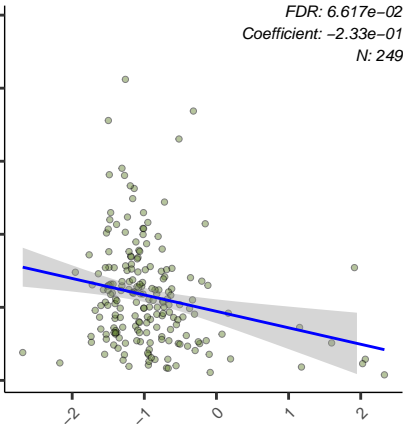
-1

0

1

2

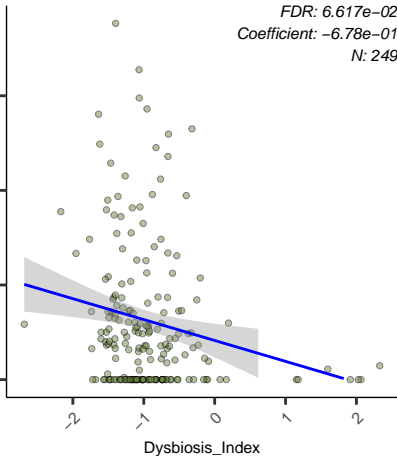
Dysbiosis\_Index



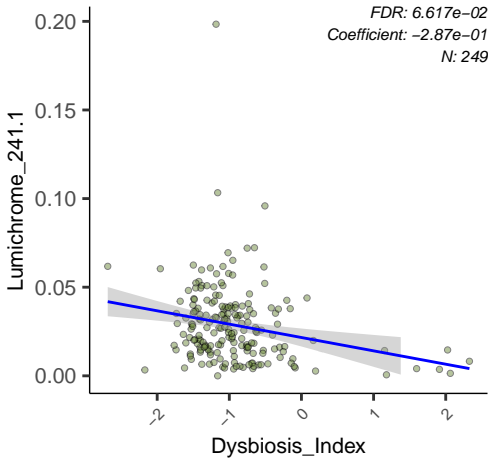
Glucosamine.6.Phosphate\_260.1

*FDR: 6.617e-02*  
*Coefficient: -6.78e-01*  
*N: 249*

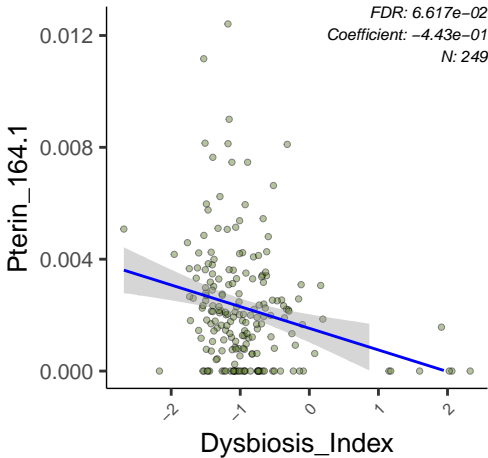
0.009  
0.006  
0.003  
0.000



Dysbiosis\_Index







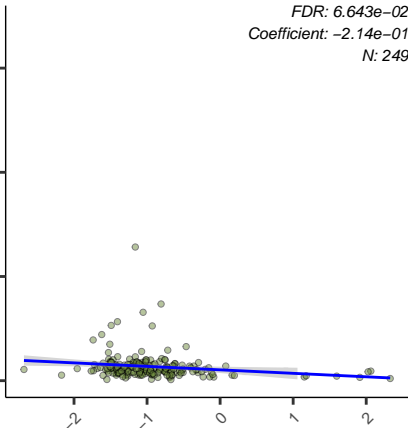
X3.Amino.4.Hydroxybenzoate\_152

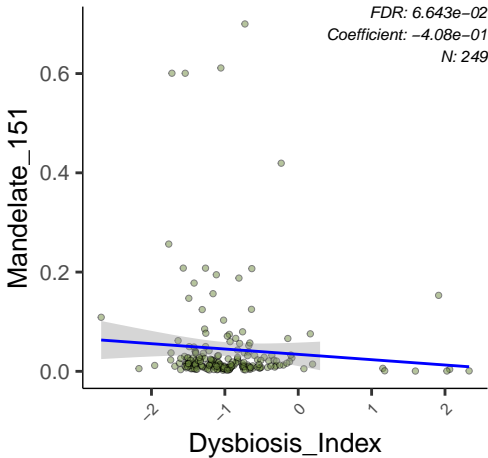
FDR:  $6.643e-02$   
Coefficient:  $-2.14e-01$   
N: 249

0.06  
0.04  
0.02  
0.00

-2 -1 0 1 2

Dysbiosis\_Index



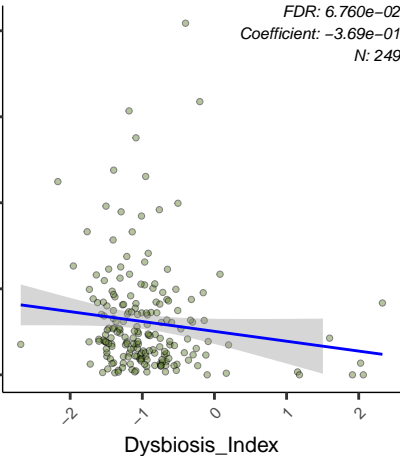


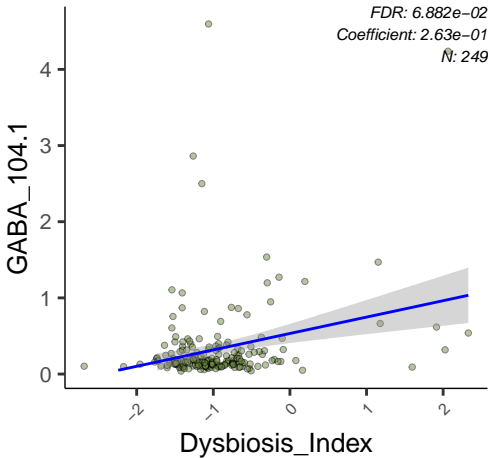
Glycerol.3.phosphate\_171

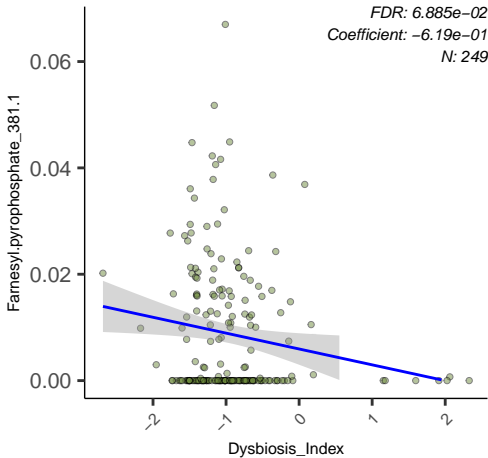
*FDR: 6.760e-02*

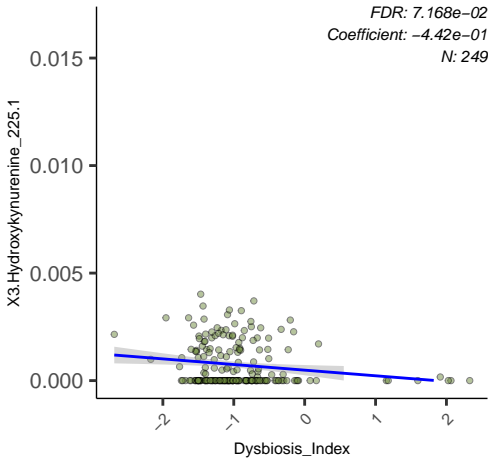
*Coefficient: -3.69e-01*

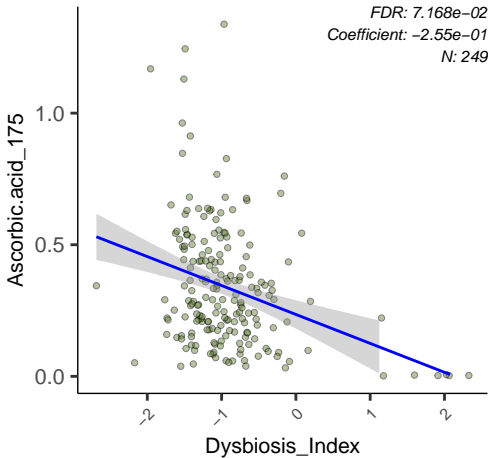
*N: 249*













Thymidine\_241.1

*FDR: 7.255e-02*  
*Coefficient: -5.22e-01*  
*N: 249*

0.09  
0.06  
0.03  
0.00

2

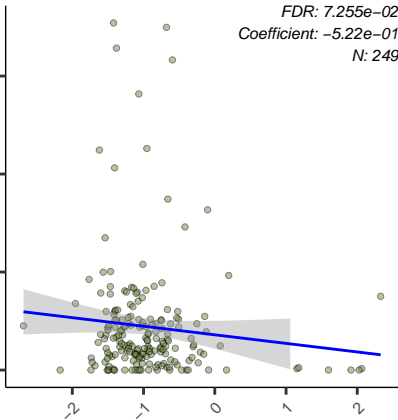
1

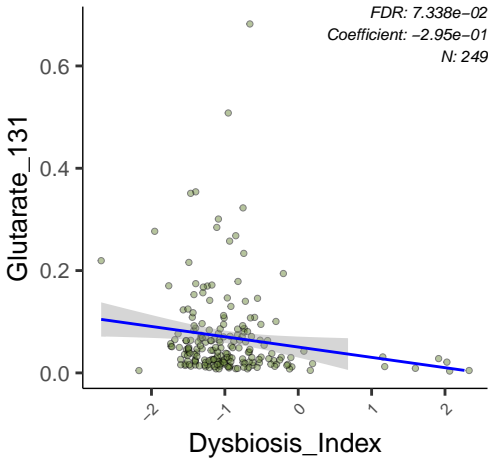
0

1

2

Dysbiosis\_Index





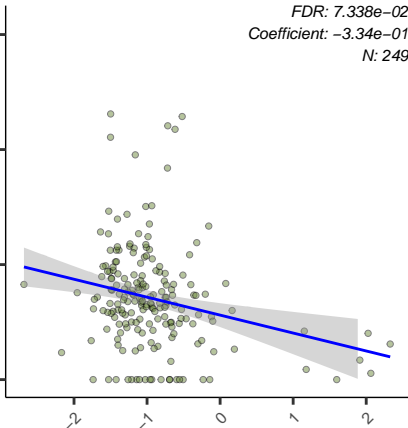
Omega.Hydroxydodecanoate\_215.2

*FDR: 7.338e-02*  
*Coefficient: -3.34e-01*  
*N: 249*

0.06  
0.04  
0.02  
0.00

-2 -1 0 1 2

Dysbiosis\_Index



X2.Hydroxypyridine\_96

FDR:  $7.390e-02$   
Coefficient:  $-2.25e-01$   
N: 249

0.6  
0.4  
0.2  
0.0

-2

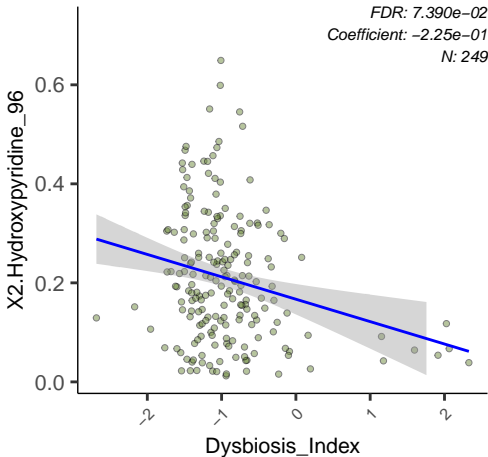
-1

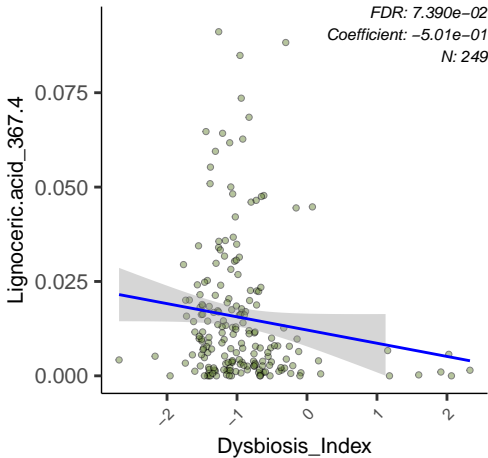
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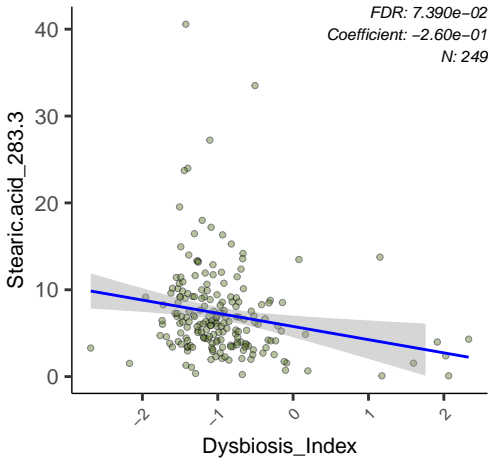
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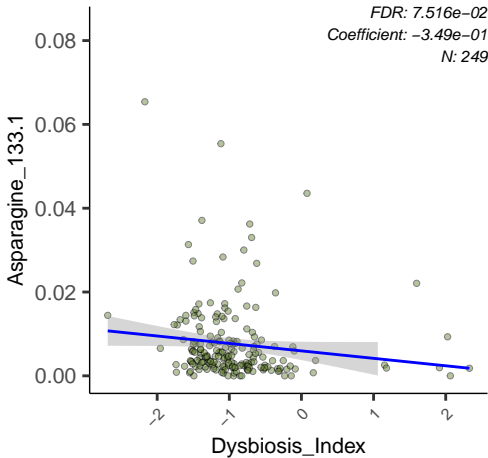
2

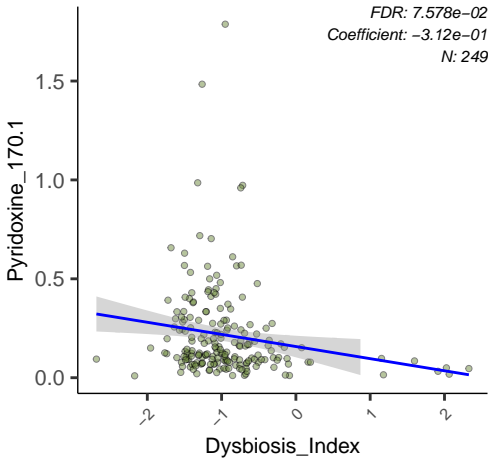
Dysbiosis\_Index



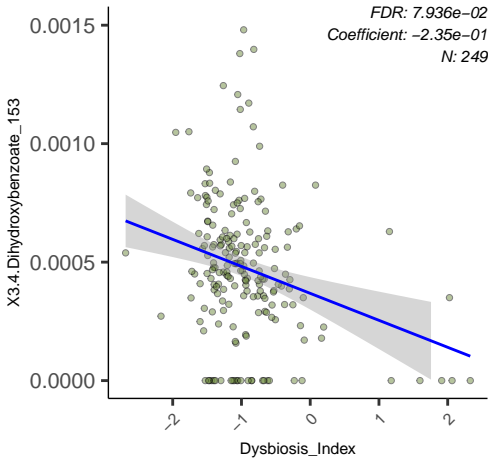












Behenic.acid\_339.3

*FDR: 7.936e-02*  
*Coefficient: -3.62e-01*  
*N: 249*

0.3  
0.2  
0.1  
0.0

2

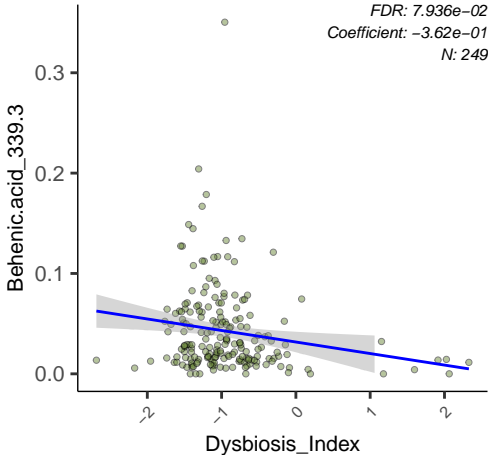
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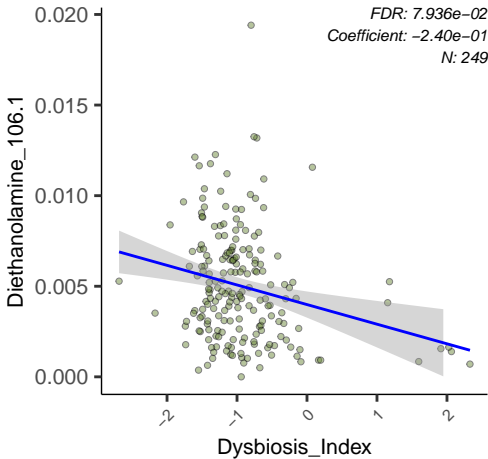
0

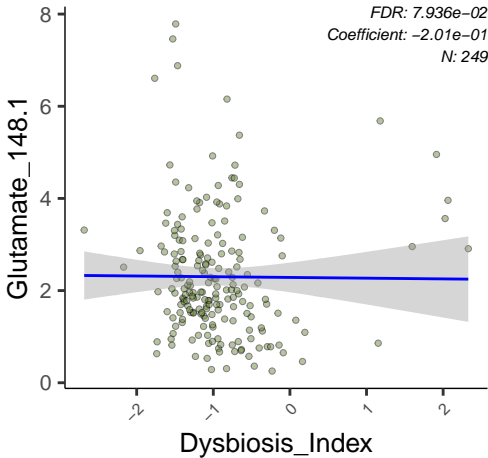
1

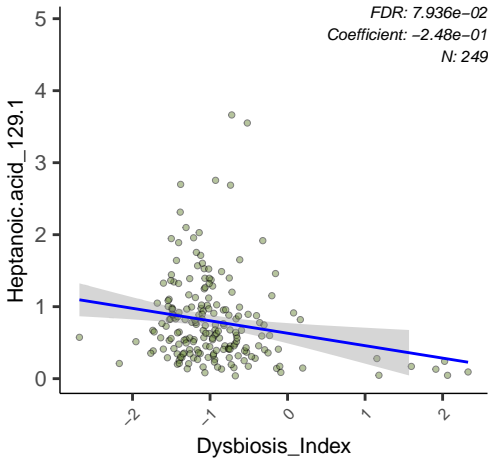
2

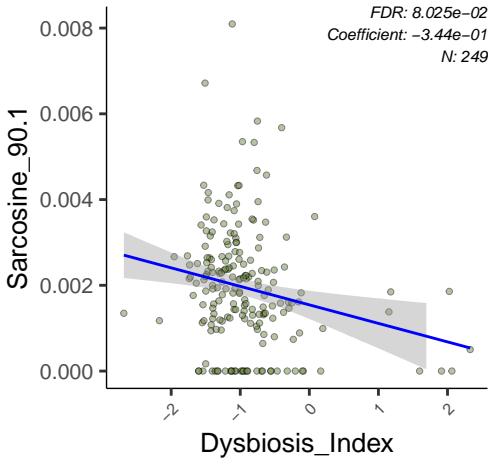
Dysbiosis\_Index

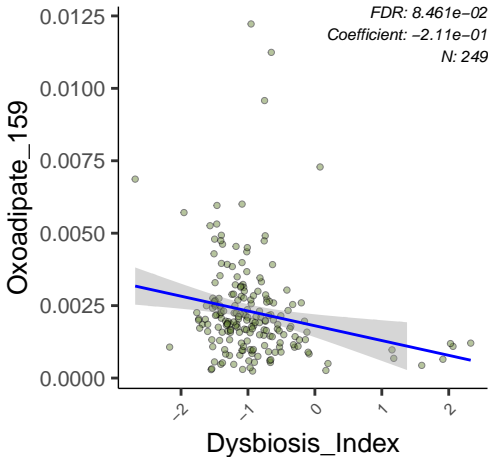


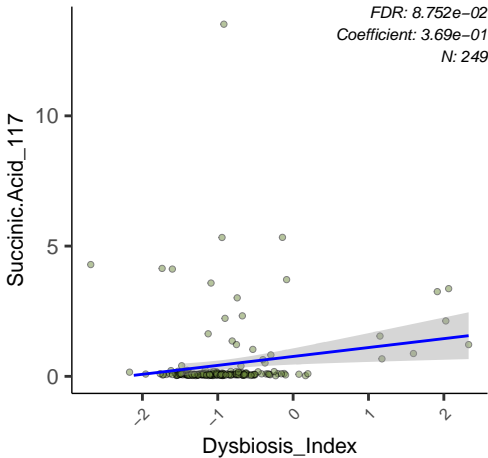








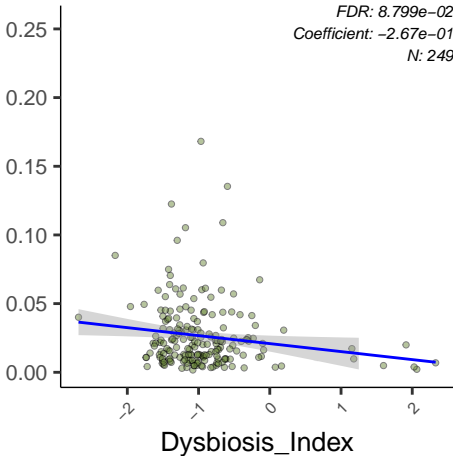






Uridine\_243.1

*FDR: 8.799e-02*  
*Coefficient: -2.67e-01*  
*N: 249*



X2.Methylmaleate\_129

FDR:  $9.256e-02$

Coefficient:  $-2.54e-01$

N: 249

0.6  
0.4  
0.2  
0.0

-2

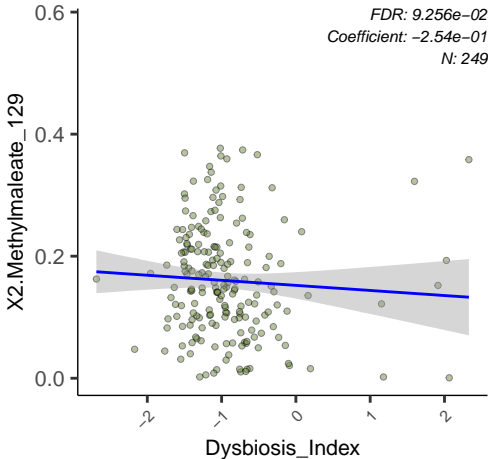
-1

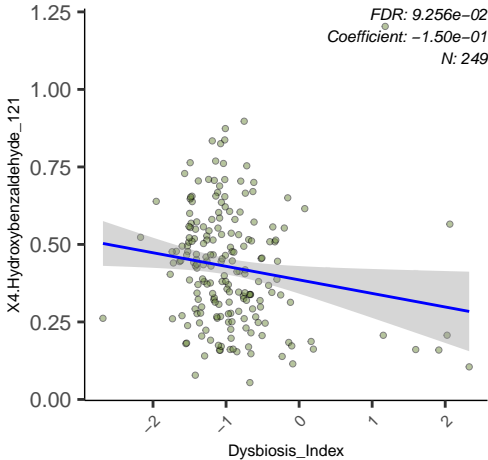
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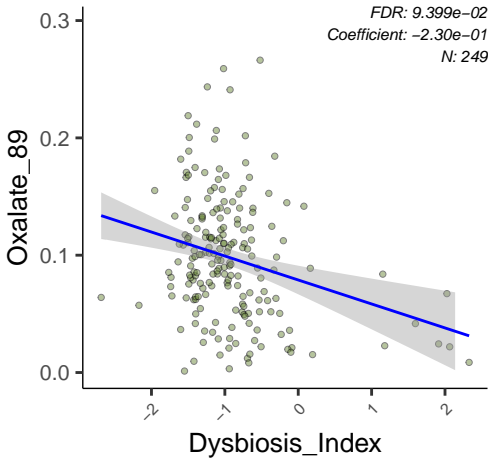
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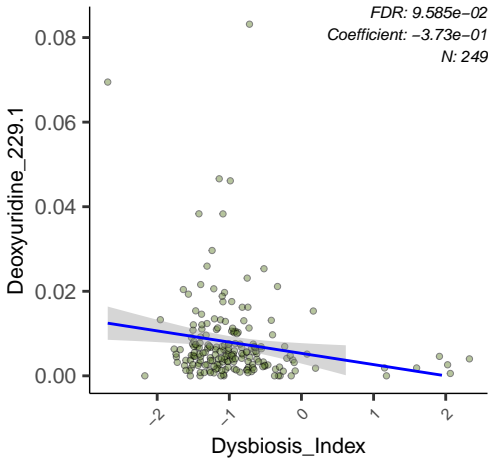
2

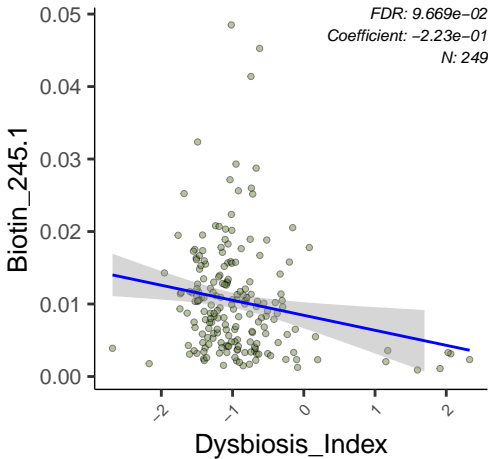
Dysbiosis\_Index

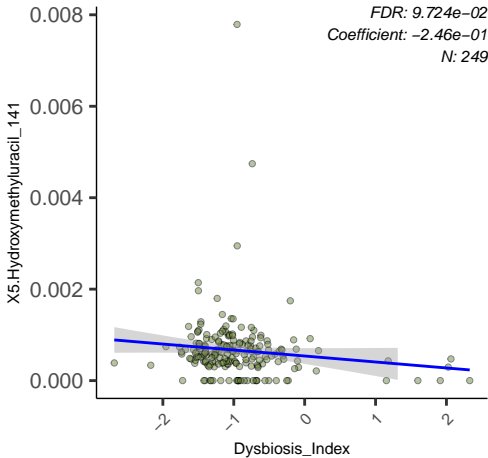


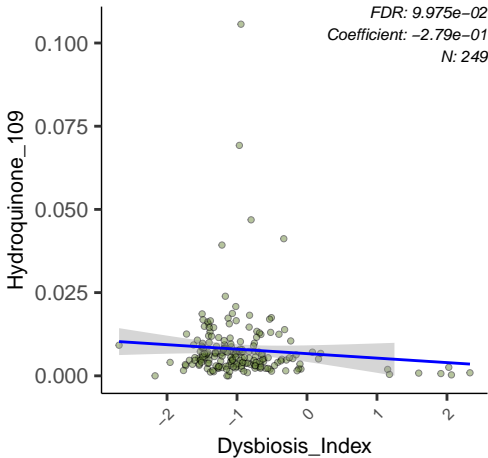






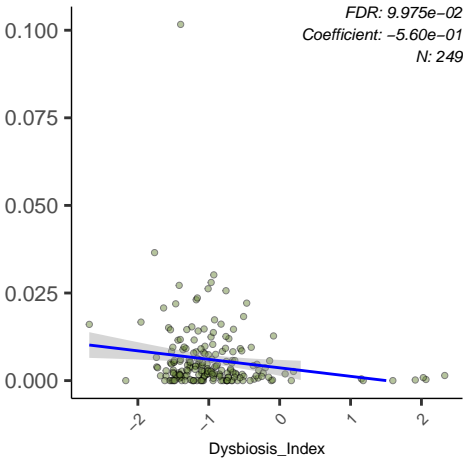


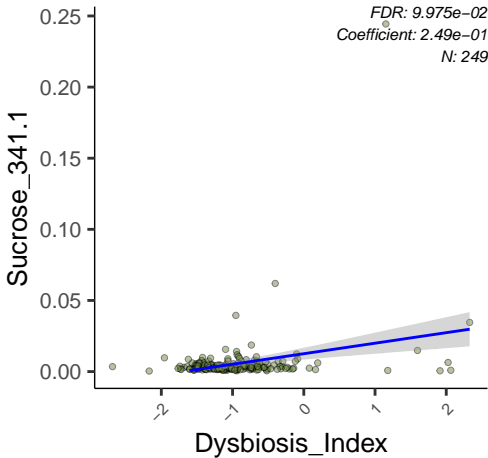






Nicotinamide.Mononucleotide\_335.1





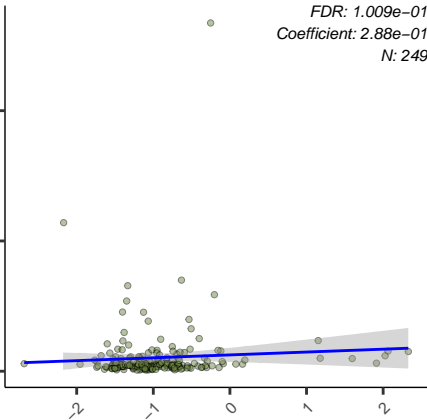
Carnitine\_162.1

*FDR: 1.009e-01*  
*Coefficient: 2.88e-01*  
*N: 249*

4  
2  
0

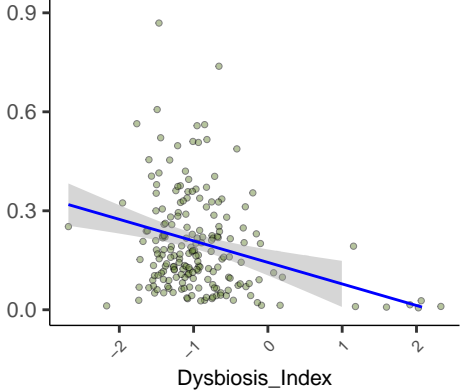
2 1 0 1 2

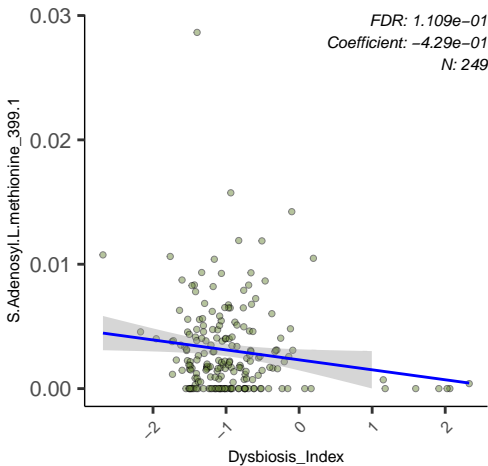
Dysbiosis\_Index



N.Acetylglutamate\_190.1

FDR: 1.107e-01  
Coefficient: -2.43e-01  
N: 249





Methyl.Galactoside\_193.1

FDR: 1.115e-01

Coefficient: -1.14e-01

N: 249

0.03

0.02

0.01

0.00

-2

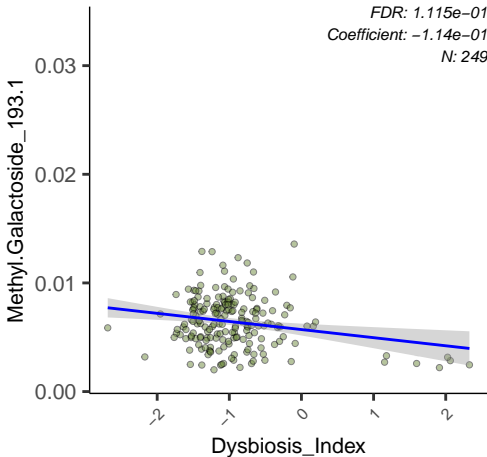
-1

0

1

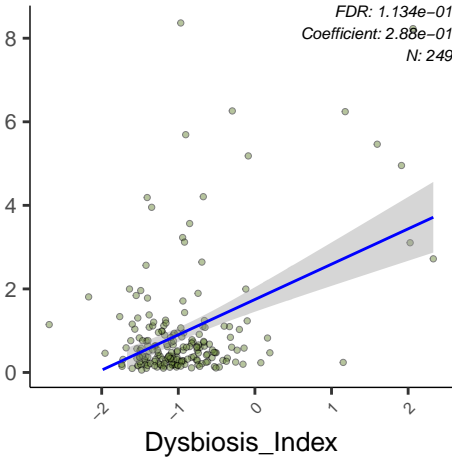
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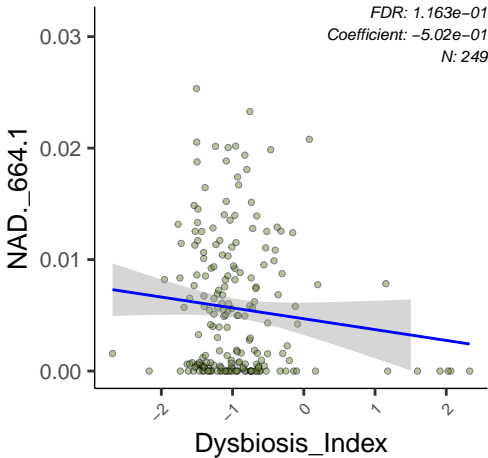
Dysbiosis\_Index



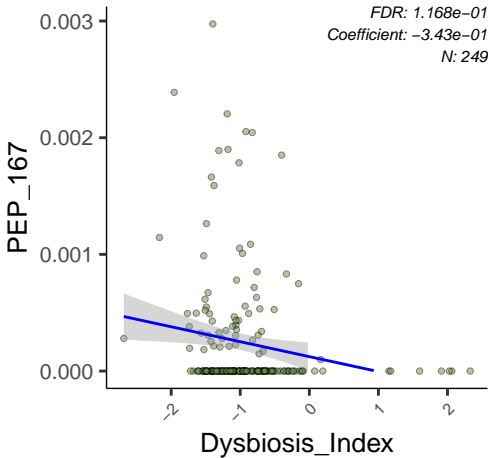
Proline\_116.1

FDR: 1.134e-01  
Coefficient: 2.88e-01  
N: 249









Heneicosanoic.acid\_325.3

FDR: 1.214e-01

Coefficient: -3.48e-01

N: 249

0.03  
0.02  
0.01  
0.00

-2

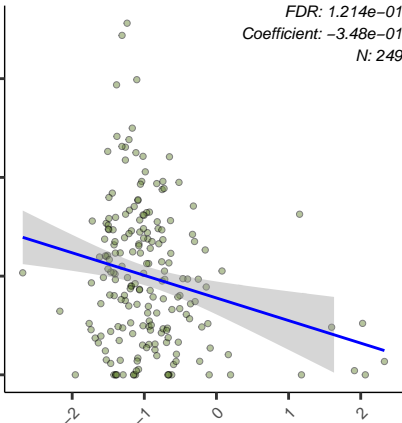
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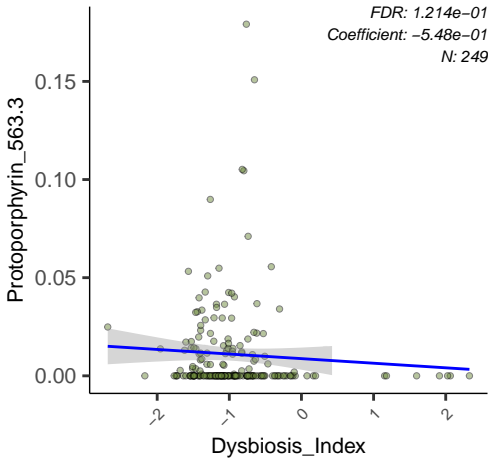
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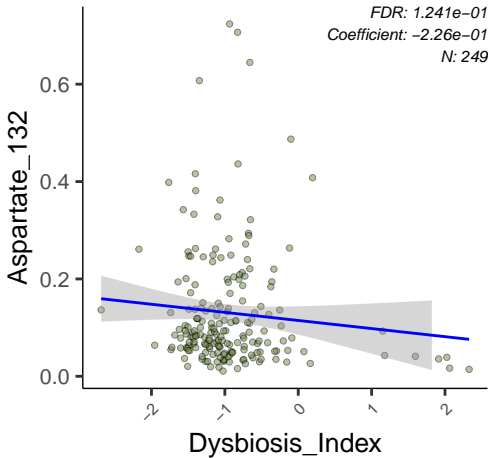
1

2

Dysbiosis\_Index







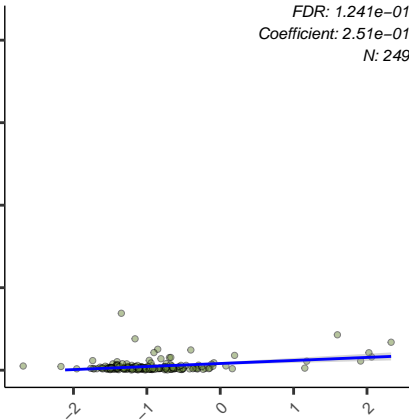
Mannitol\_181.1

FDR: 1.241e-01  
Coefficient: 2.51e-01  
N: 249

0.8  
0.6  
0.4  
0.2  
0.0

2 1 0 1 2

Dysbiosis\_Index



Phenylethanolamine\_138.1

FDR: 1.265e-01  
Coefficient: -2.00e-01  
N: 249

0.03  
0.02  
0.01  
0.00

-2

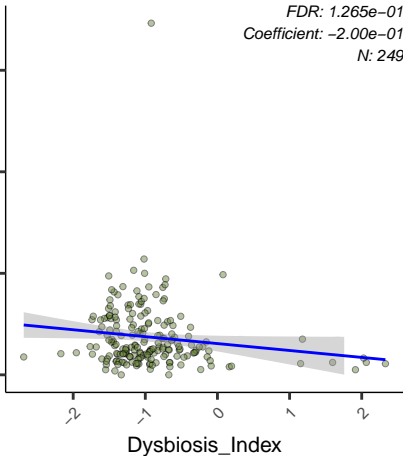
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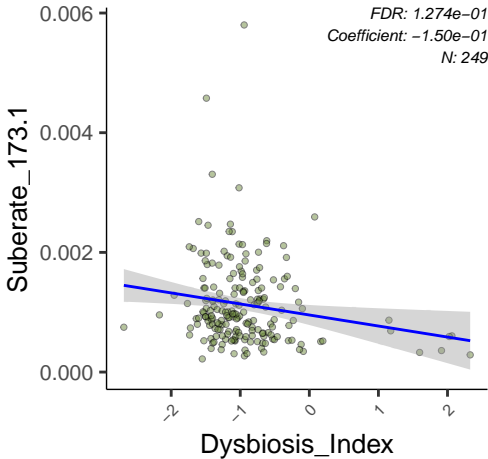
0

1

2

Dysbiosis\_Index





Glycocholate\_464.3

*FDR: 1.302e-01*  
*Coefficient: 5.21e-01*  
*N: 249*

1.0  
0.5  
0.0

2

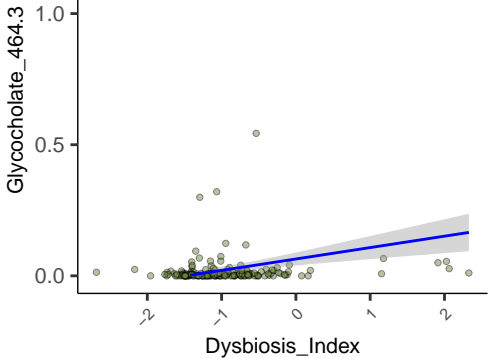
1

0

1

2

Dysbiosis\_Index





Tryptophanamide\_204.1

*FDR: 1.302e-01*

*Coefficient: -4.60e-01*

*N: 249*

0.012

0.008

0.004

0.000

-2

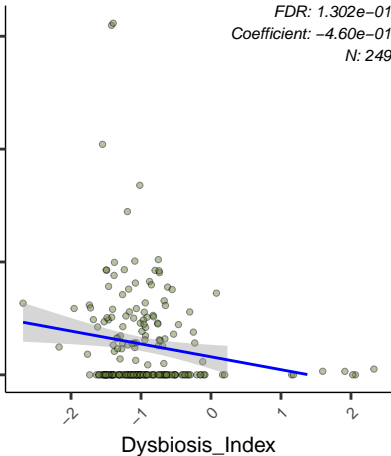
-1

0

1

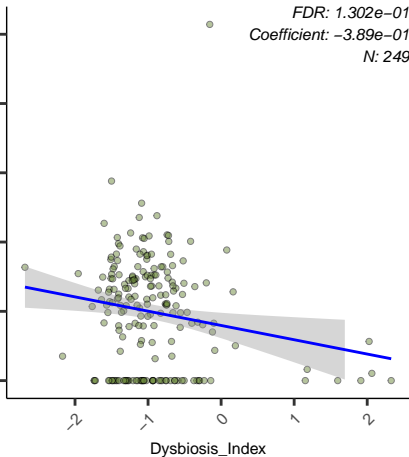
2

Dysbiosis\_Index



X2.Hydroxytetradecanoic.acid\_243.2

*FDR: 1.302e-01*  
*Coefficient: -3.89e-01*  
*N: 249*



X3..4.Hydroxyphenyl.Pyruvate\_179

FDR: 1.302e-01  
Coefficient: -2.13e-01  
N: 249

1.0  
0.5  
0.0

2

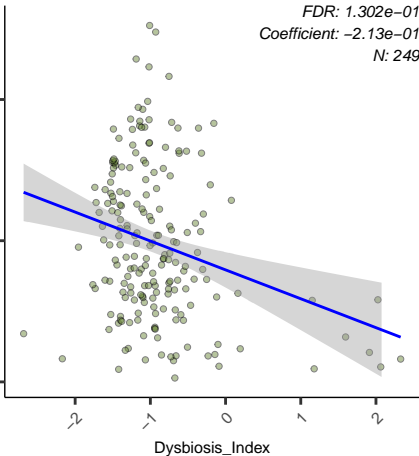
1

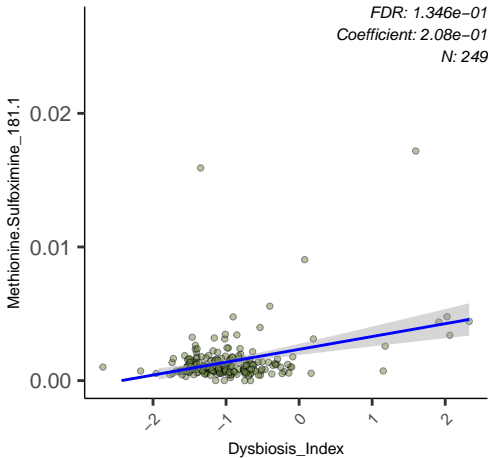
0

1

2

Dysbiosis\_Index





Butyryl.carnitine\_232.2

*FDR: 1.405e-01*  
*Coefficient: 2.38e-01*  
*N: 249*

0.25  
0.20  
0.15  
0.10  
0.05  
0.00

-2

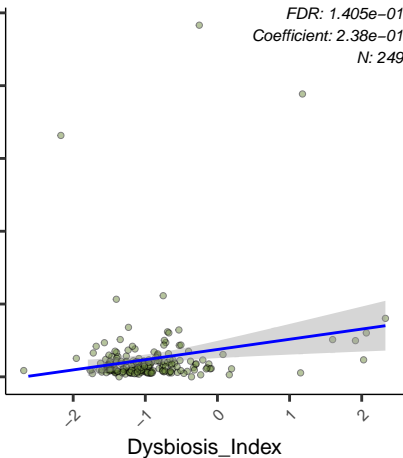
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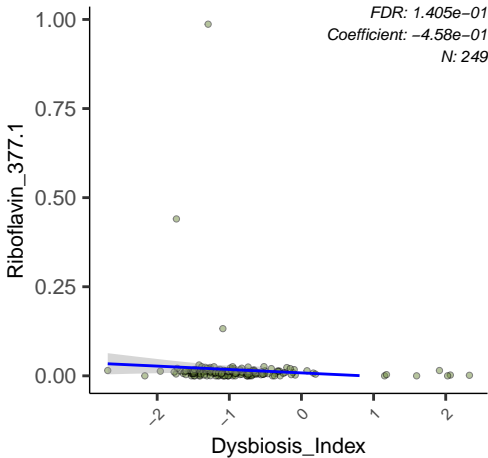
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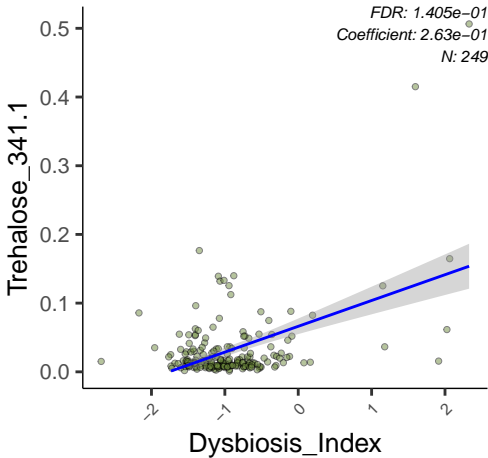
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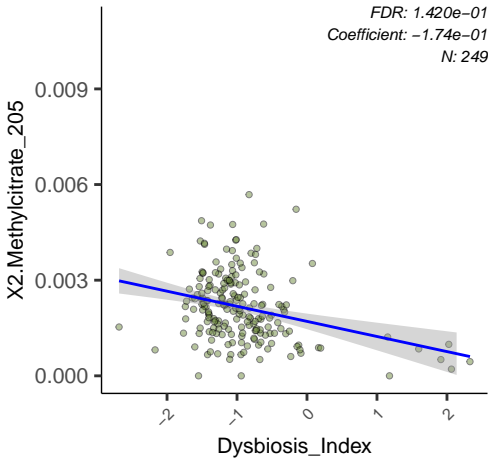
2

Dysbiosis\_Index











X9.Decenoic.acid\_169.1

FDR: 1.421e-01  
Coefficient: -2.00e-01  
N: 249

0.15  
0.10  
0.05  
0.00

-2

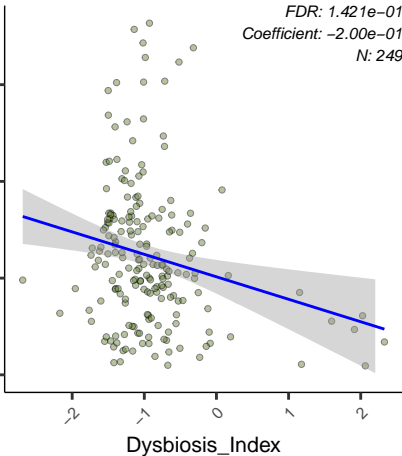
-1

0

1

2

Dysbiosis\_Index



N.Acetylserine\_146

0.2

0.1

0.0

-2

-1

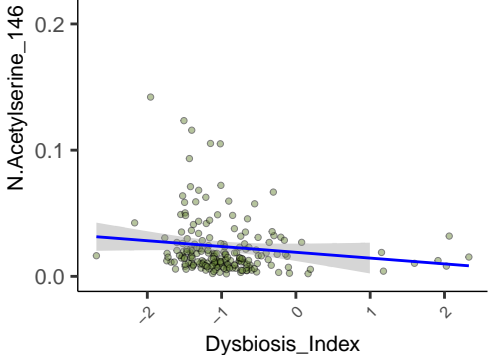
0

1

2

Dysbiosis\_Index

*FDR: 1.506e-01*  
*Coefficient: -2.33e-01*  
*N: 249*



Guanosine\_284.1

*FDR: 1.523e-01*  
*Coefficient: -2.47e-01*  
*N: 249*

0.10  
0.05  
0.00

2

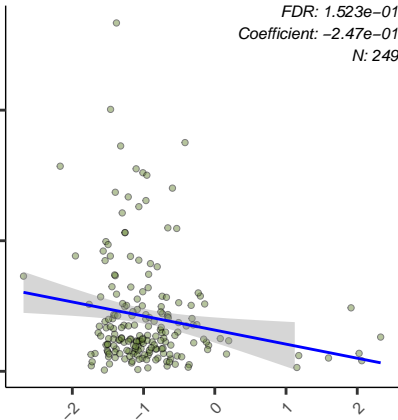
1

0

1

2

Dysbiosis\_Index



Histamine\_112.1

*FDR: 1.564e-01*  
*Coefficient: 3.21e-01*  
*N: 249*

0.4  
0.3  
0.2  
0.1  
0.0

2

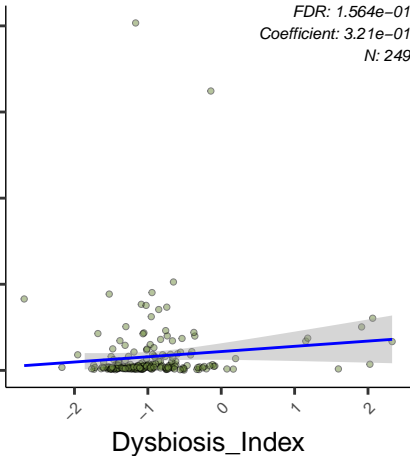
1

0

1

2

Dysbiosis\_Index



Phenylacetaldehyde\_119.1

FDR: 1.591e-01

Coefficient: -5.53e-01

N: 249

0.15  
0.10  
0.05  
0.00

2

Dysbiosis\_Index

1

0

1

2

*FDR: 1.602e-01*  
*Coefficient: -2.25e-01*  
*N: 249*

Ricinoleic.acid\_297.2

4

2

0

-2

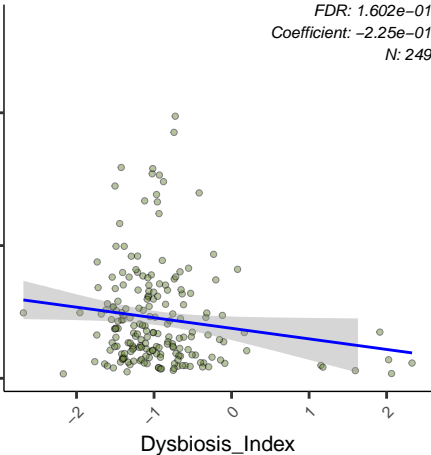
-1

0

1

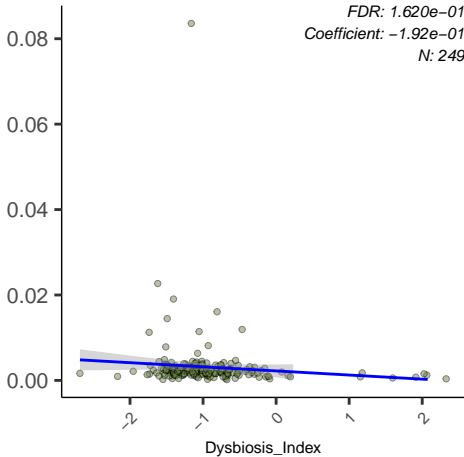
2

Dysbiosis\_Index



X3.Amino.5.Hydroxybenzoate\_152

*FDR: 1.620e-01*  
*Coefficient: -1.92e-01*  
*N: 249*



Glycerol.3.phosphate\_173

*FDR: 1.620e-01*  
*Coefficient: -3.43e-01*  
*N: 249*

0.03  
0.02  
0.01  
0.00

-2

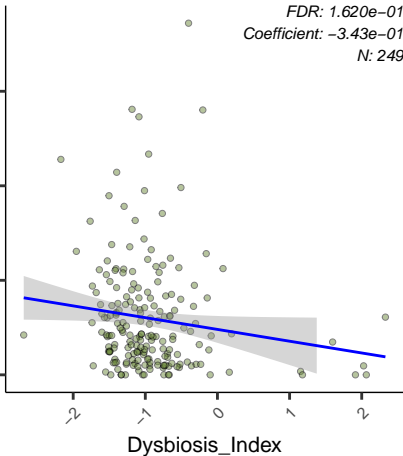
-1

0

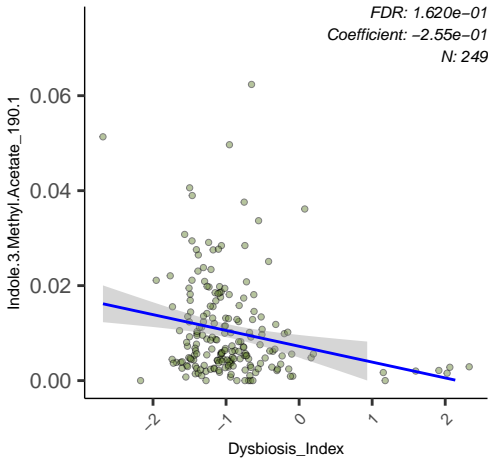
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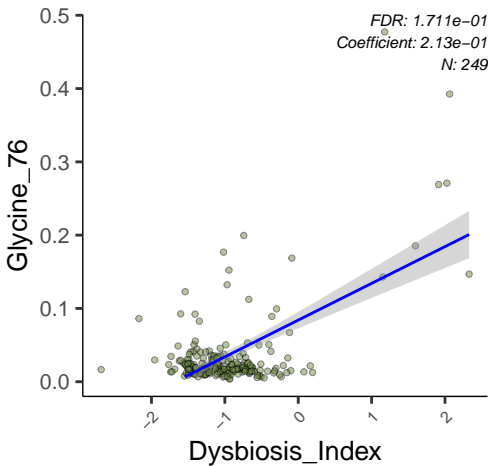
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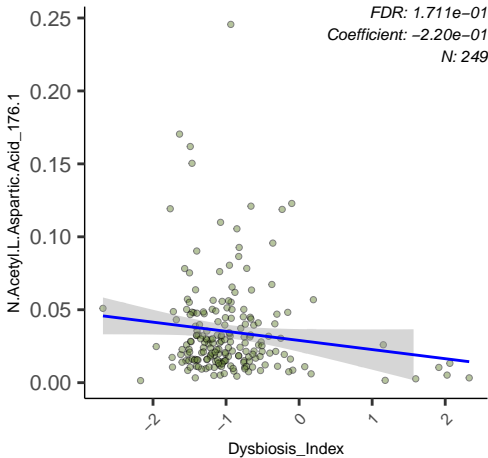
Dysbiosis\_Index

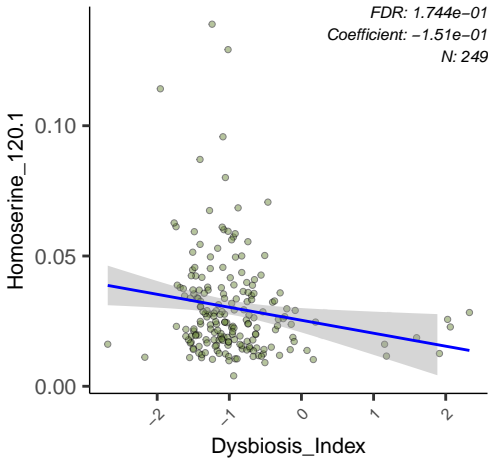












Indole.3.Acetate\_174.1

FDR:  $1.775e-01$   
Coefficient:  $-4.23e-01$   
N: 249

0.3

0.2

0.1

0.0

2

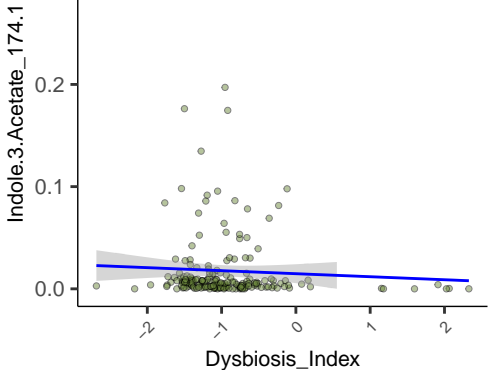
1

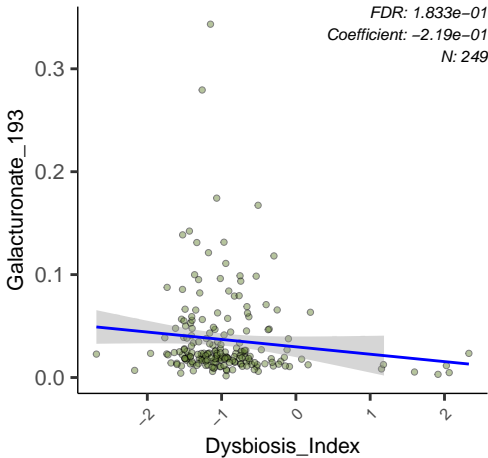
0

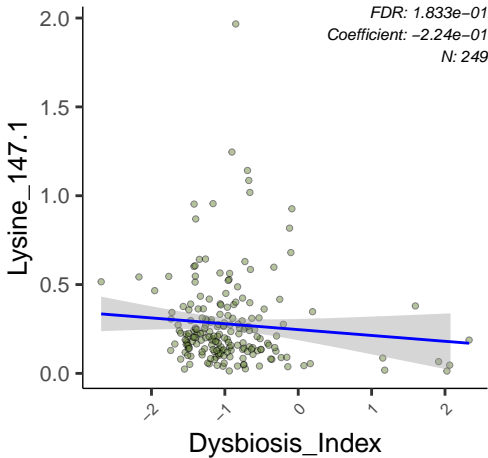
1

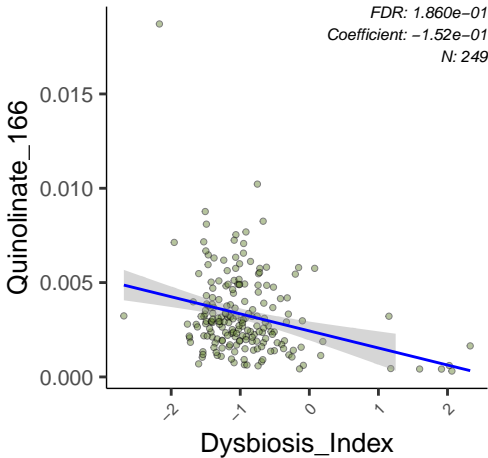
2

Dysbiosis\_Index





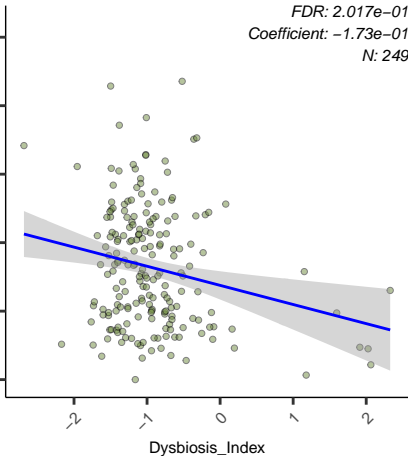






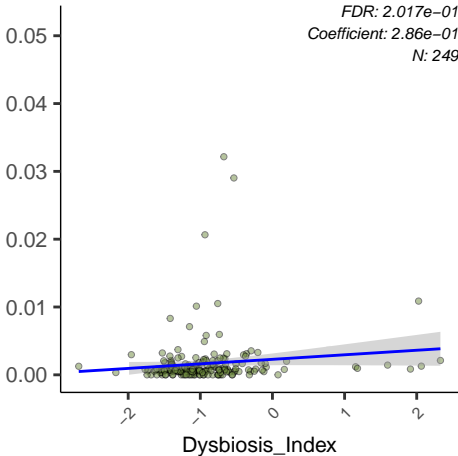
X3.Methoxy.4.Hydroxymandelate\_197

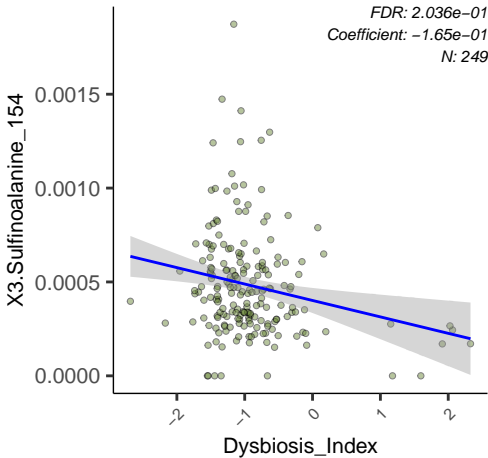
FDR: 2.017e-01  
Coefficient: -1.73e-01  
N: 249



D.Sedoheptulose\_209.1

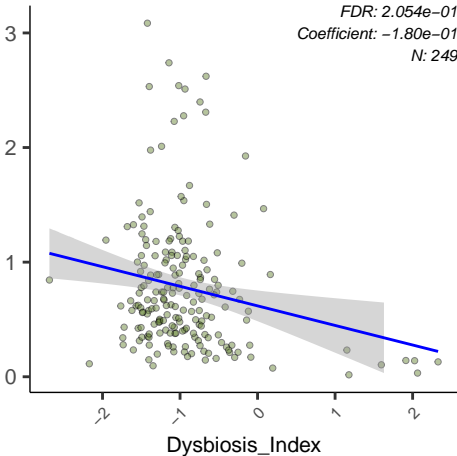
*FDR: 2.017e-01*  
*Coefficient: 2.86e-01*  
*N: 249*

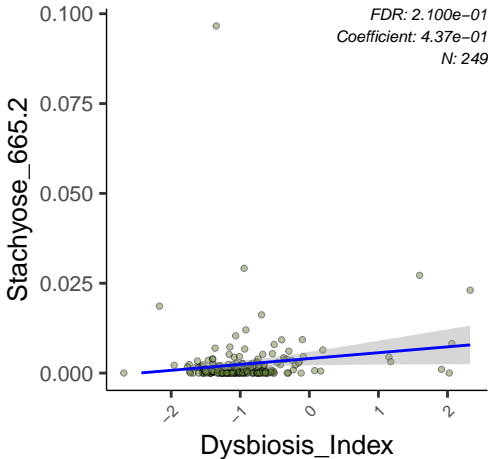


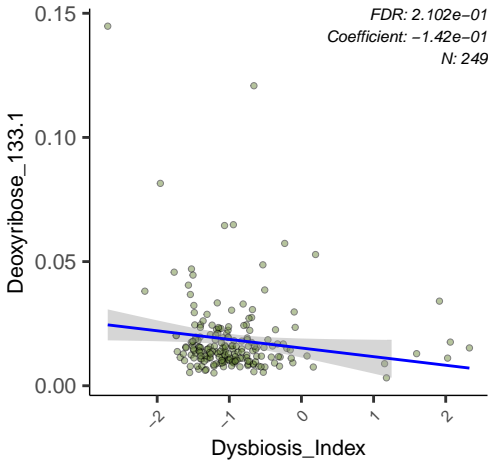


Pentadecanoic.acid\_241.2

*FDR: 2.054e-01*  
*Coefficient: -1.80e-01*  
*N: 249*







X4.Imidazoleacetate\_127.1

FDR: 2.190e-01

Coefficient: -3.26e-01

N: 249

0.8  
0.6  
0.4  
0.2  
0.0

2

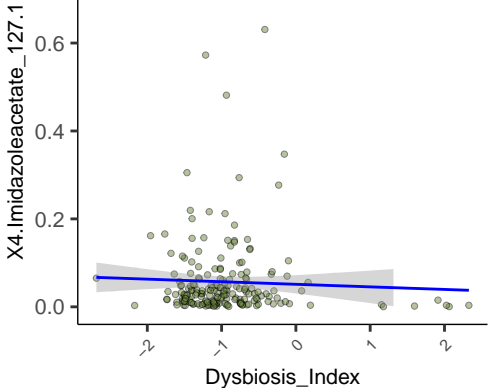
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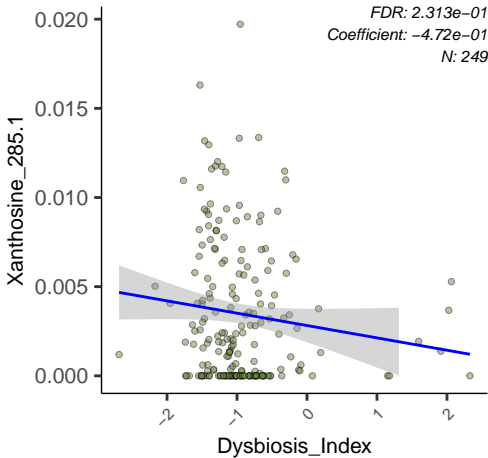
0

1

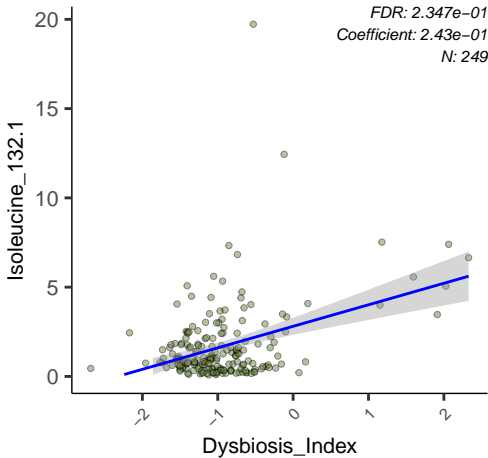
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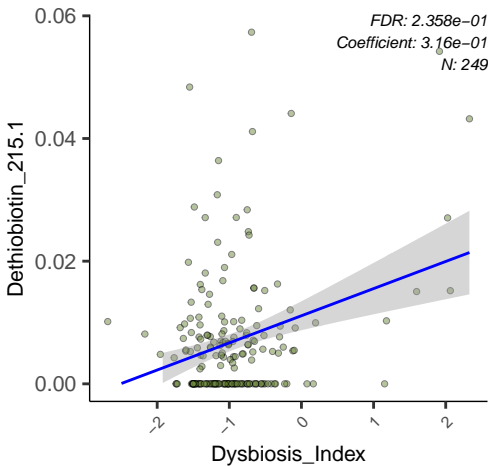
Dysbiosis\_Index











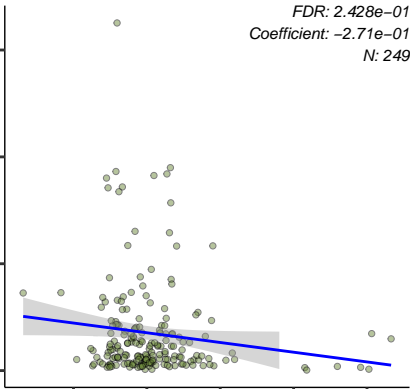
Urocanate\_139.1

FDR: 2.428e-01  
Coefficient: -2.71e-01  
N: 249

1.5  
1.0  
0.5  
0.0

2 1 0 1 2

Dysbiosis\_Index



D.Pinitol\_193.1

*FDR: 2.449e-01*  
*Coefficient: 2.58e-01*  
*N: 249*

0.20  
0.15  
0.10  
0.05  
0.00

2 1 0 1 2

Dysbiosis\_Index

