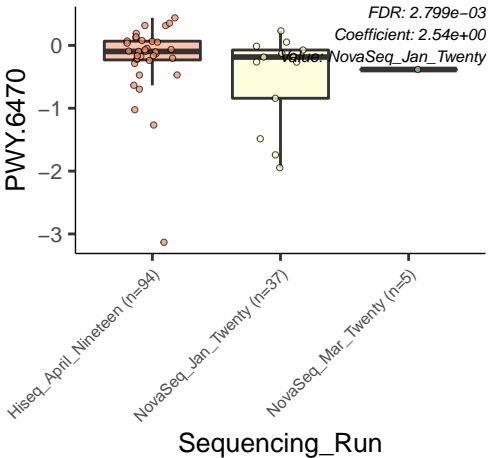
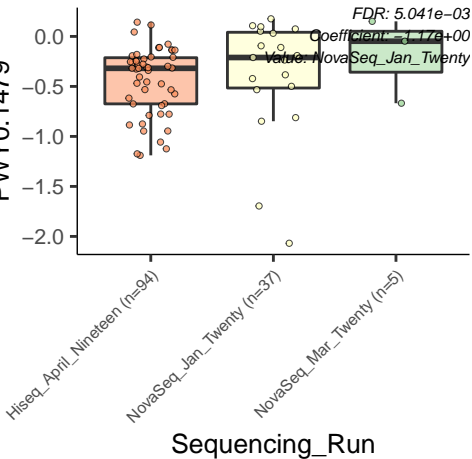


PWY.6470



PWY0.1479



PWY.2941

FDR: 5.276e-03

Coefficient: -3.51e-01

Hiseq_April_Nineteen (n=94)

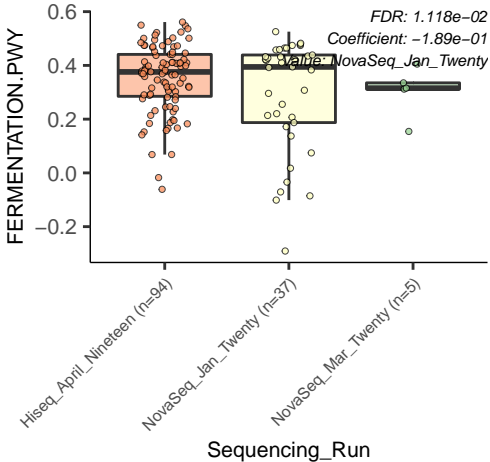
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

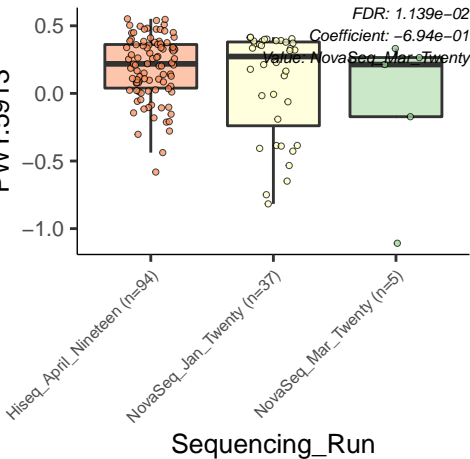
Sequencing_Run

0.5
0.0
-0.5

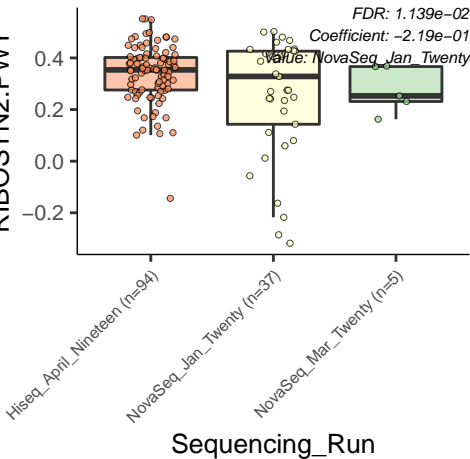
NovaSeq_Mar_Twenty



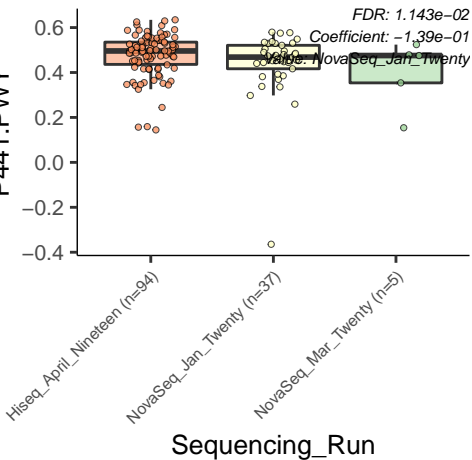
PWY.5913



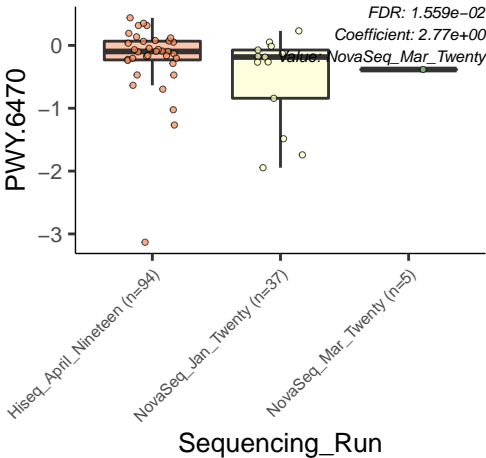
RIBOSYN2.PWY



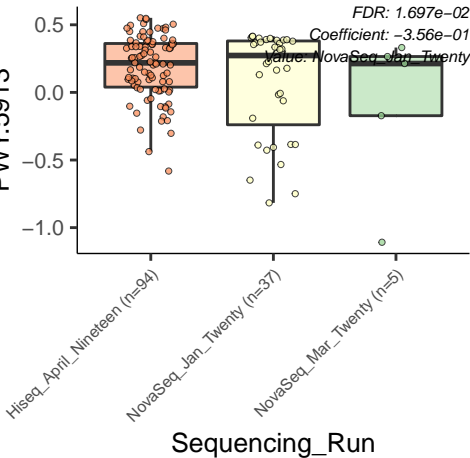
P441.PWY



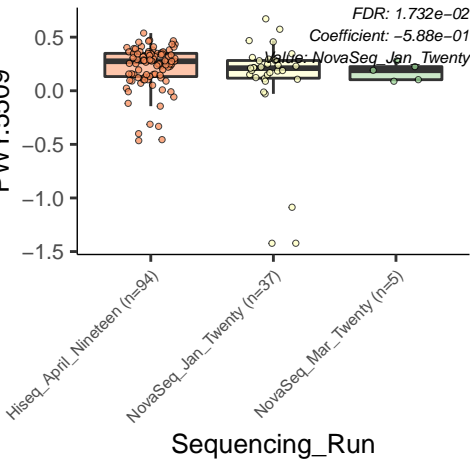
PWY.6470



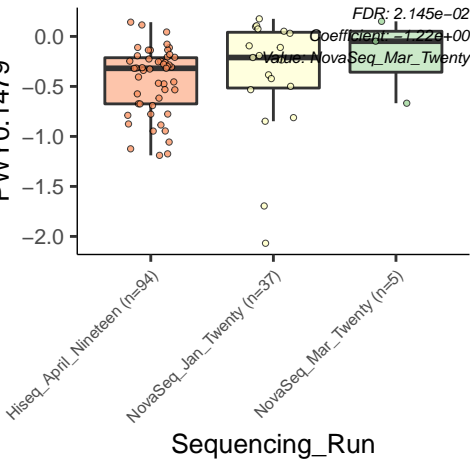
PWY.5913

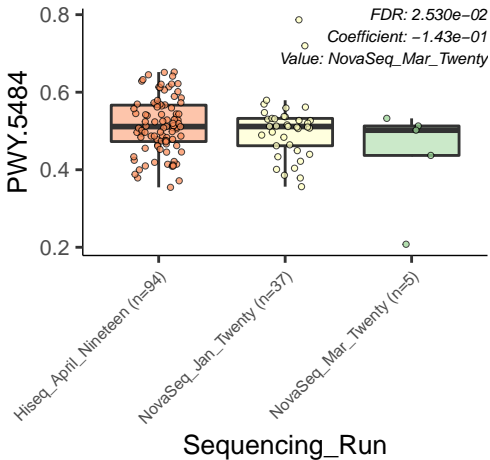


PWY.5509

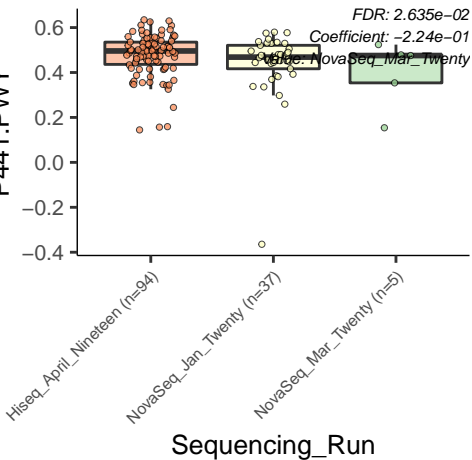


PWY0.1479

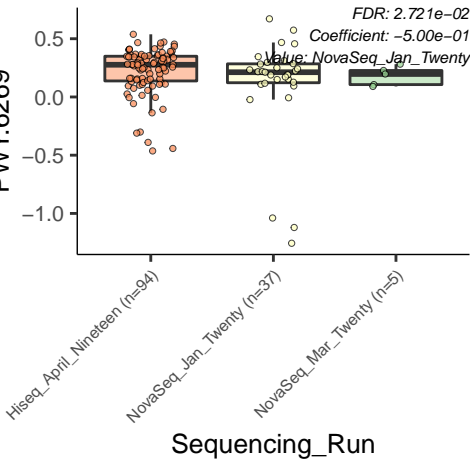




P441.PWY



PWY.6269



PWY.6471

FDR: 2.753e-02

Coefficient: -2.31e-01

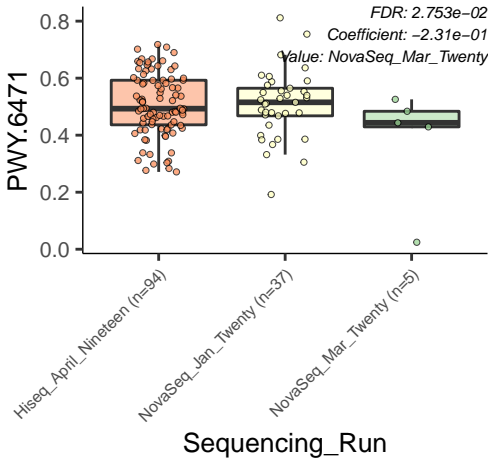
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



P122.PWY

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run

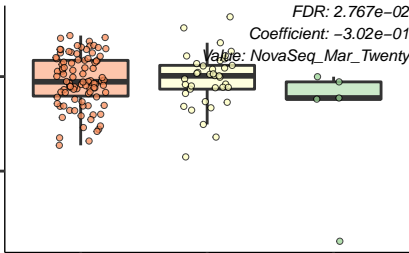
FDR: 2.767e-02

Coefficient: -3.02e-01

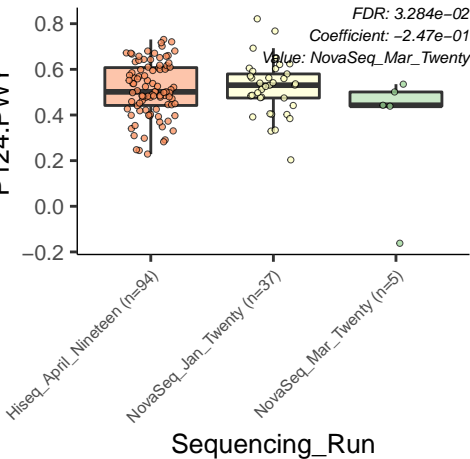
Value: NovaSeq_Mar_Twenty

0.5

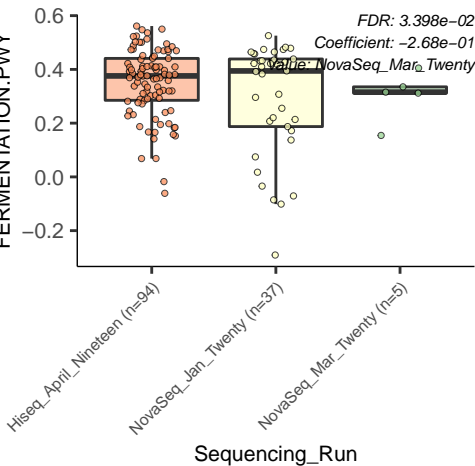
0.0

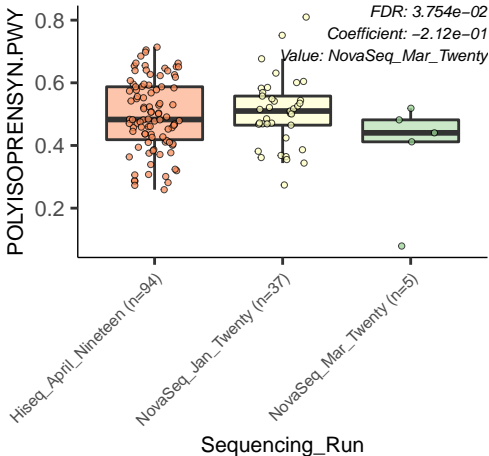


P124.PWY

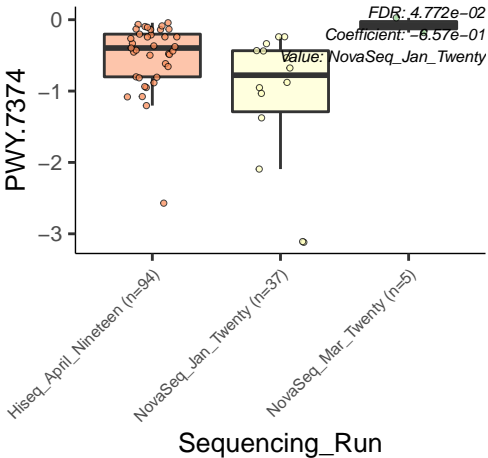


FERMENTATION.PWY





PWY.7374



PWY0.1586

FDR: 4.927e-02

Coefficient: -2.18e-01

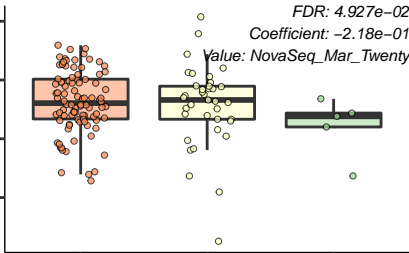
Value: NovaSeq_Mar_Twenty

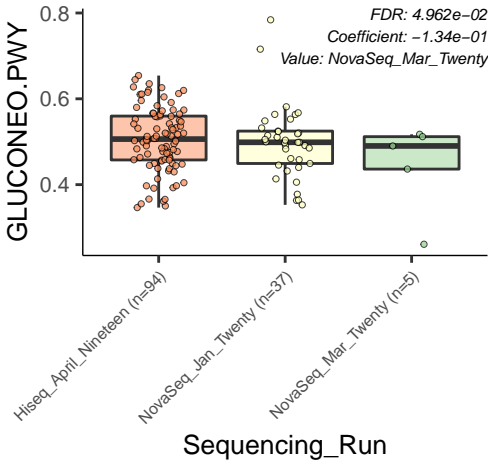
Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run





GLYCOLYSIS

0.8
0.6
0.4

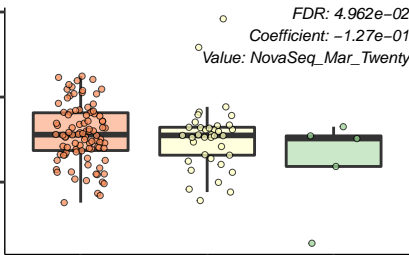
FDR: 4.962e-02
Coefficient: -1.27e-01
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.7220

FDR: 4.962e-02

Coefficient: -1.63e-01

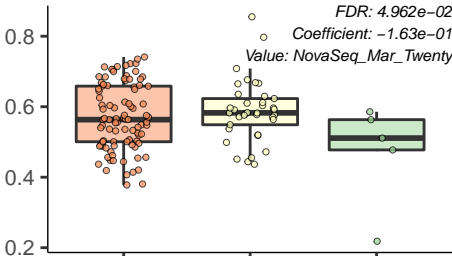
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.7222

FDR: 4.962e-02

Coefficient: -1.63e-01

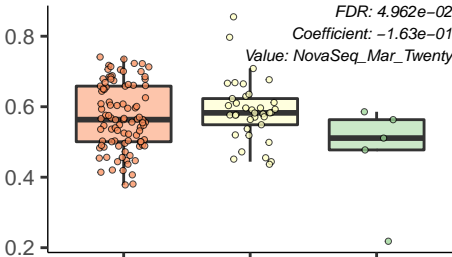
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

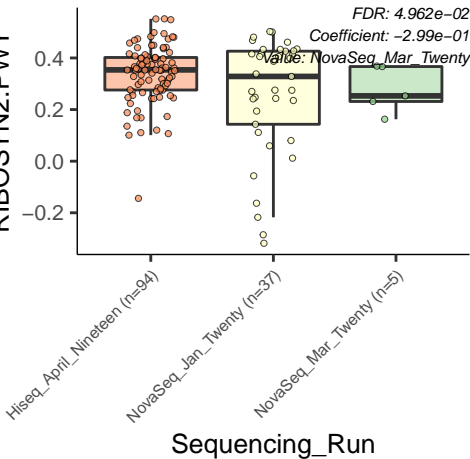
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



RIBOSYN2.PWY



PWY.5100

FDR: 5.168e-02

Coefficient: -1.51e-01

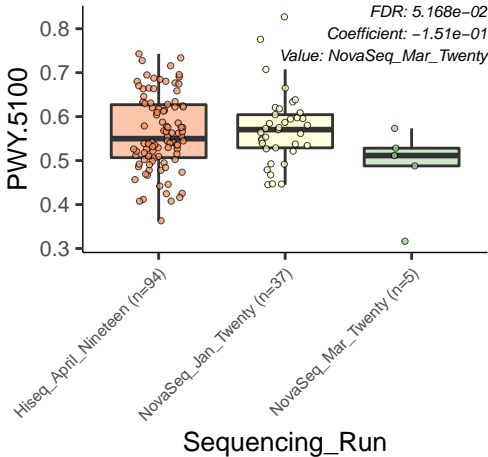
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY0.1586

FDR: 5.225e-02

Coefficient: -1.20e-01

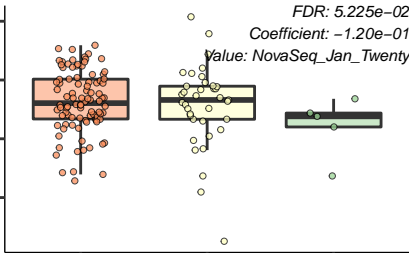
Value: NovaSeq_Jan_Twenty

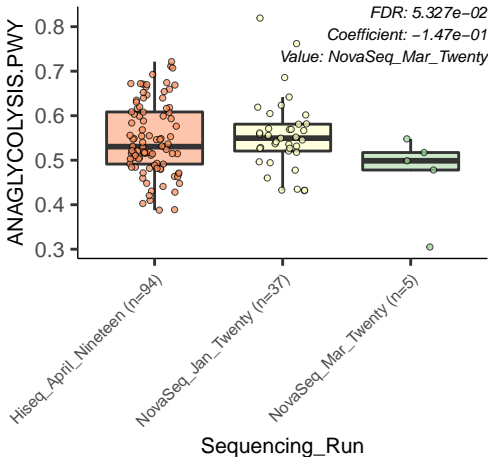
Hiseq_April_Nineteen (n=94)

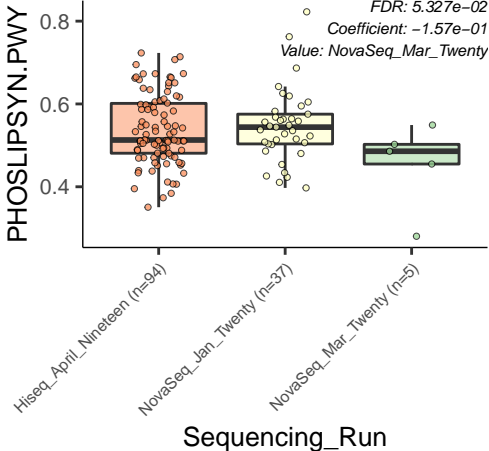
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run







PWY.621

FDR: 5.327e-02

Coefficient: -1.76e-01

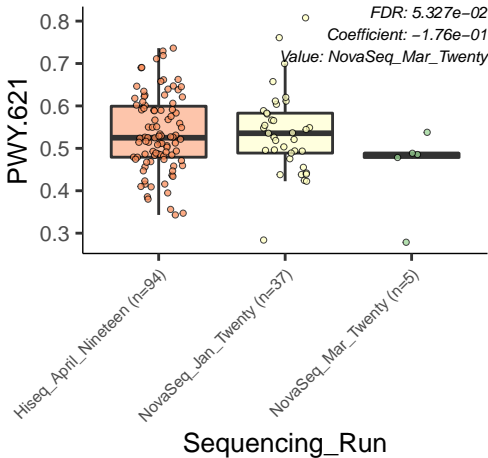
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

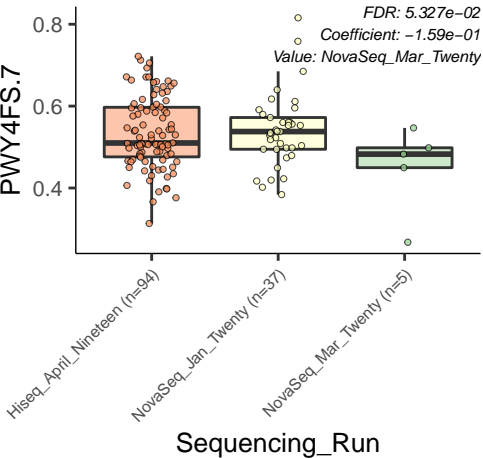
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY4FS.7



PWY4FS.8

FDR: 5.327e-02

Coefficient: -1.59e-01

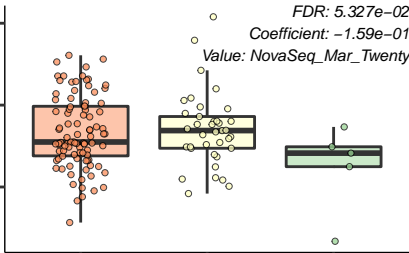
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.7221

FDR: 5.354e-02

Coefficient: -1.52e-01

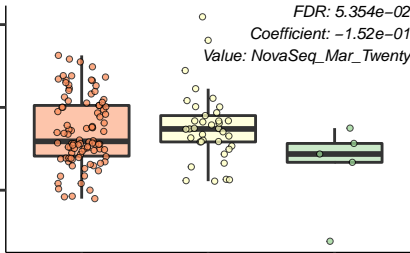
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.6126

FDR: 5.393e-02

Coefficient: -1.51e-01

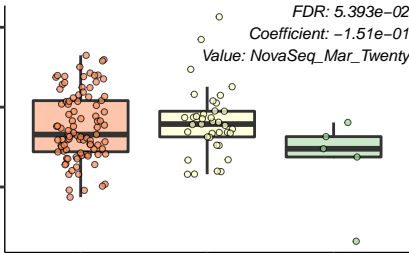
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.7229

FDR: 5.393e-02

Coefficient: -1.48e-01

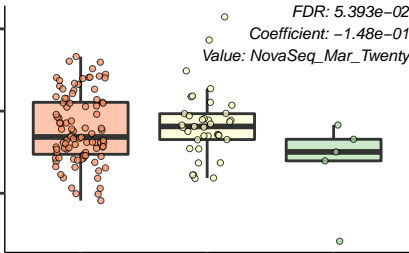
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

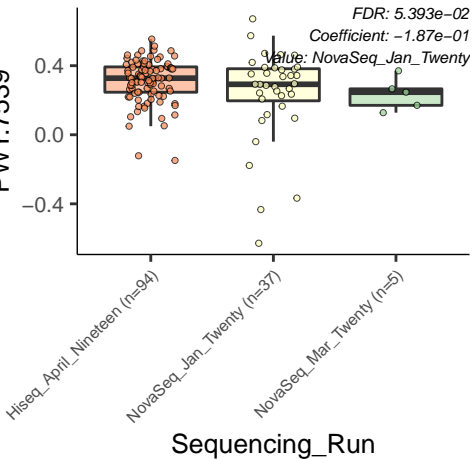
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.7539



PWY.5667

FDR: 5.471e-02

Coefficient: -1.48e-01

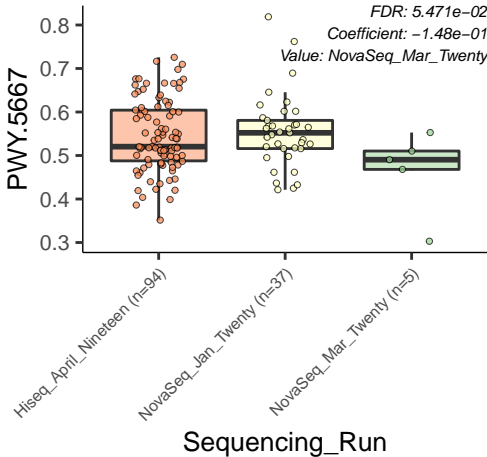
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.7196

FDR: 5.471e-02

Coefficient: -1.63e-01

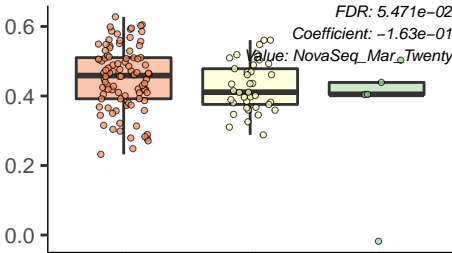
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

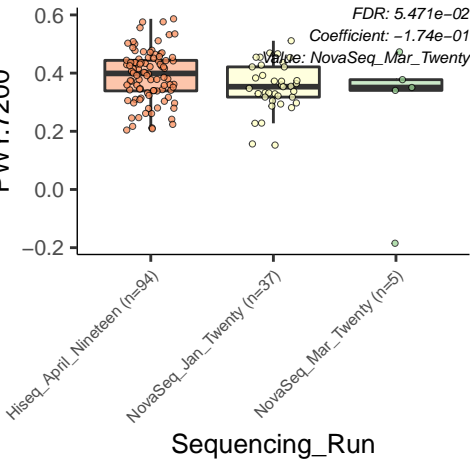
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.7200



PWY.7208

FDR: 5.471e-02

Coefficient: -1.45e-01

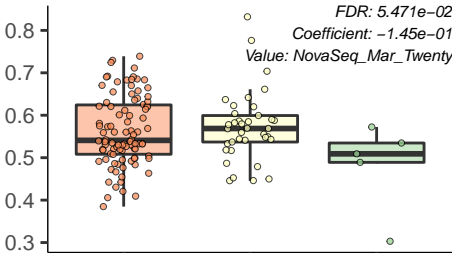
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY0.1319

FDR: 5.471e-02

Coefficient: -1.48e-01

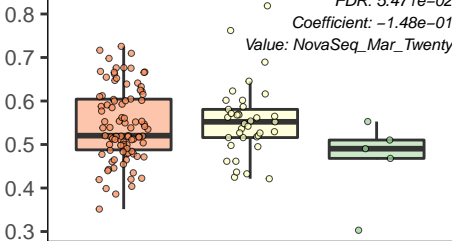
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



GLCMANNANAUT.PWY

FDR: 5.617e-02

Coefficient: -2.11e-01

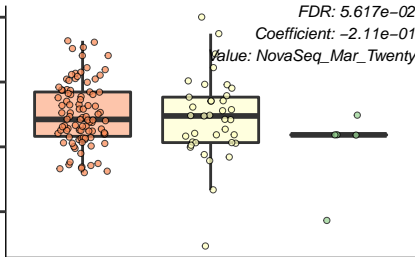
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

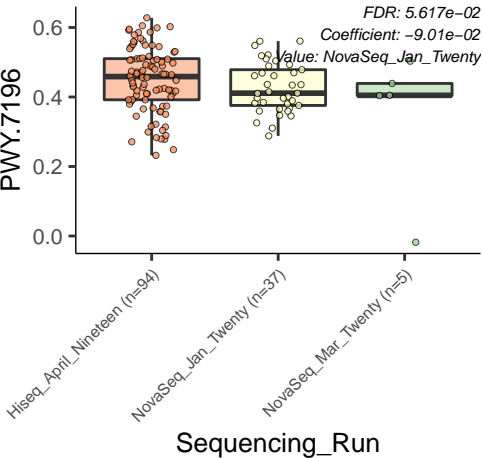
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

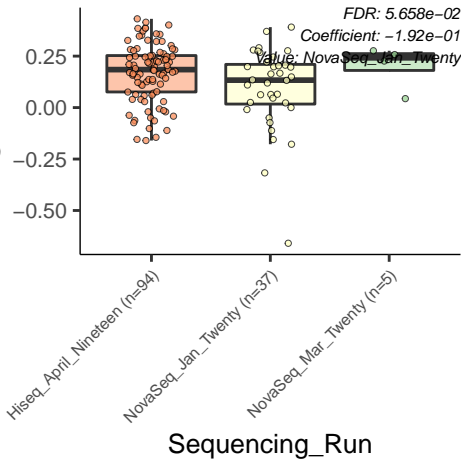
Sequencing_Run



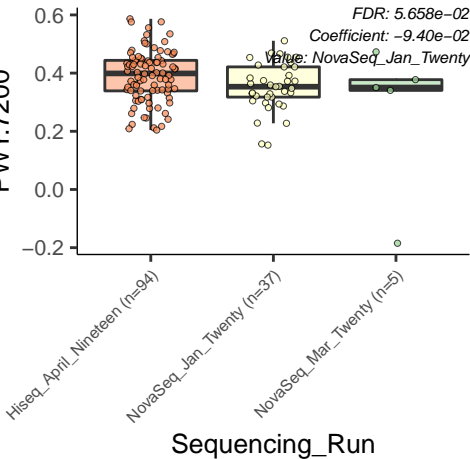
PWY.7196



HEMESYN2.PWY



PWY.7200



PWY.5686

FDR: 5.704e-02

Coefficient: -1.46e-01

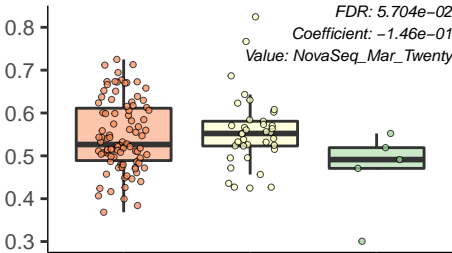
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.6385

FDR: 5.983e-02

Coefficient: -1.51e-01

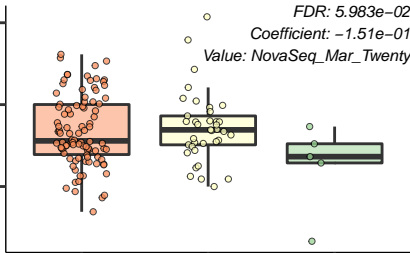
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.7219

FDR: 5.999e-02

Coefficient: -1.43e-01

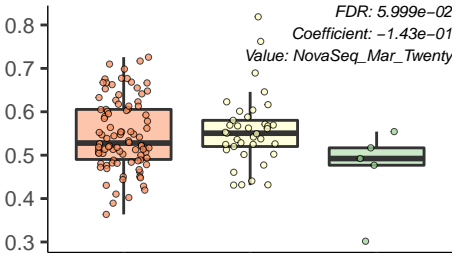
Value: NovaSeq_Mar_Twenty

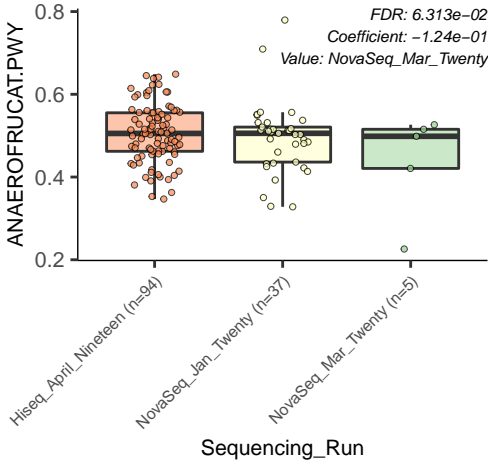
Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run





COA.PWY

FDR: 6.474e-02

Coefficient: -1.53e-01

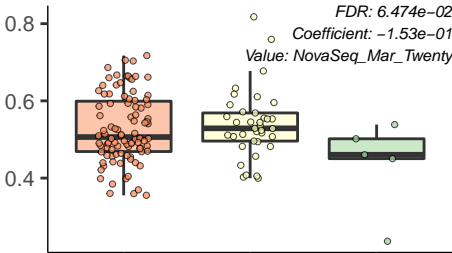
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.6386

FDR: 6.474e-02

Coefficient: -1.48e-01

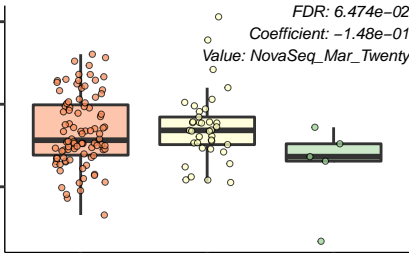
Value: NovaSeq_Mar_Twenty

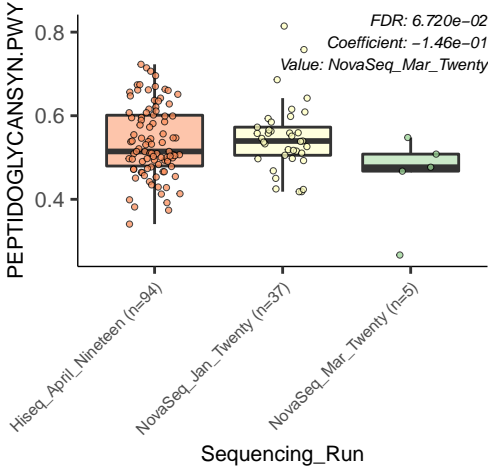
Hiseq_April_Nineteen (n=94)

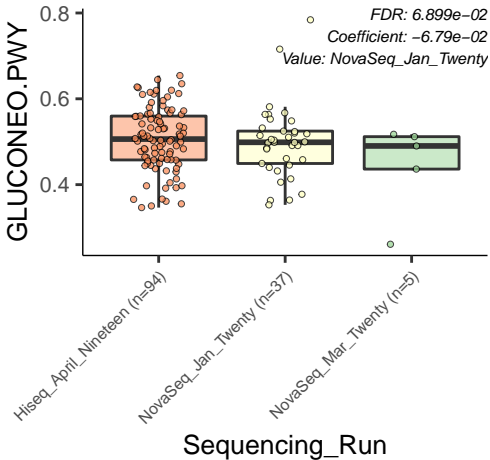
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

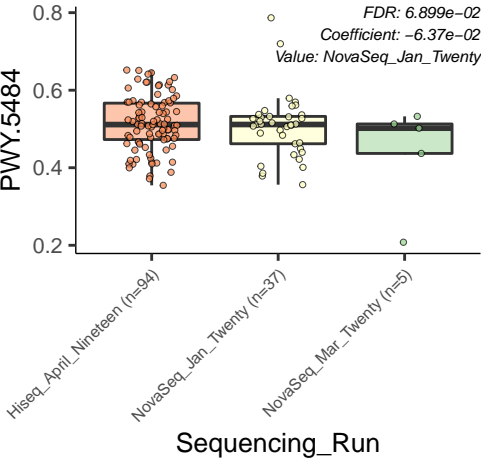
Sequencing_Run







PWY.5484



PWY.6387

FDR: 6.899e-02

Coefficient: -1.45e-01

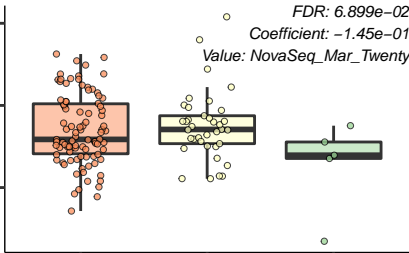
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.6317

FDR: 6.933e-02

Coefficient: -1.48e-01

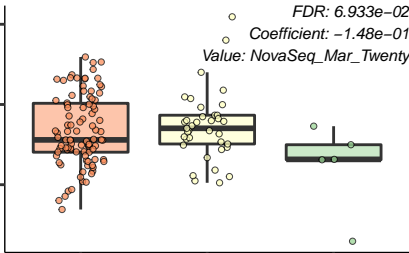
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.5097

FDR: 7.290e-02

Coefficient: -1.40e-01

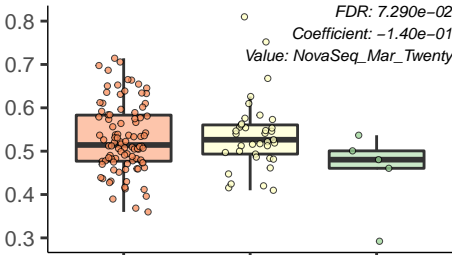
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



P161.PWY

FDR: 7.420e-02

Coefficient: -1.78e-01

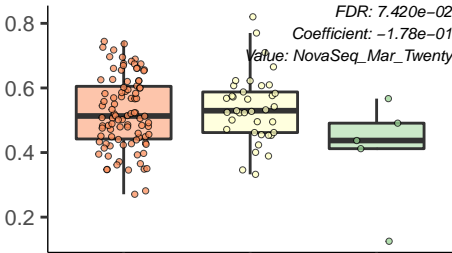
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.2942

FDR: 7.420e-02

Coefficient: -1.39e-01

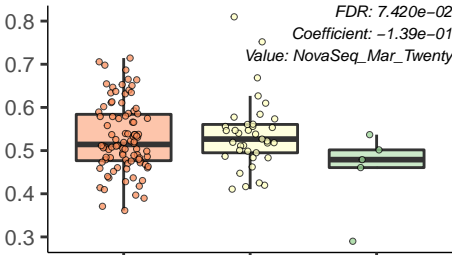
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

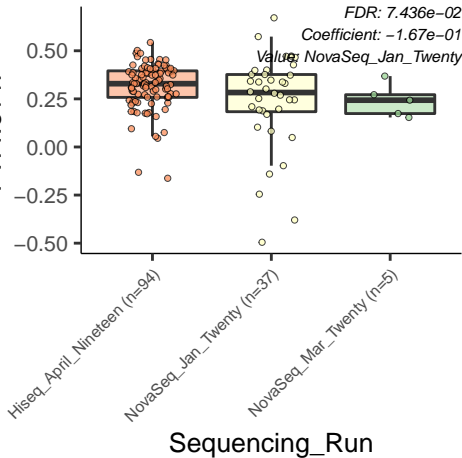
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.6147



TRNA.CHARGING.PWY

FDR: 7.436e-02

Coefficient: -1.05e-01

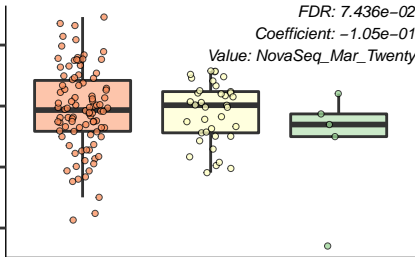
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.7187

FDR: 7.642e-02

Coefficient: -1.82e-01

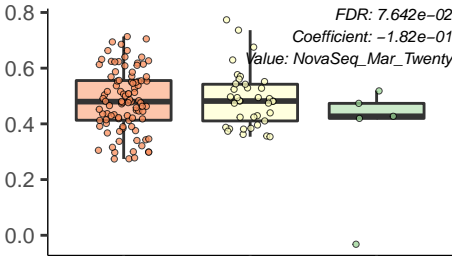
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

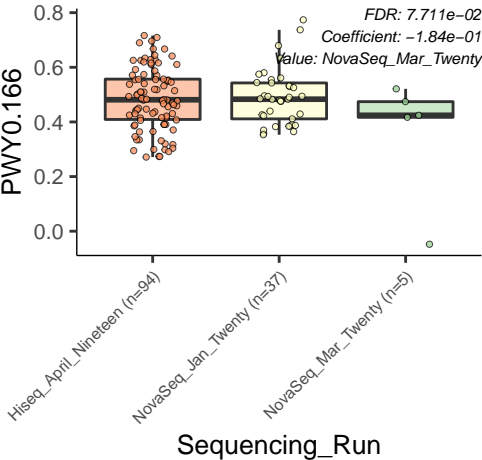
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

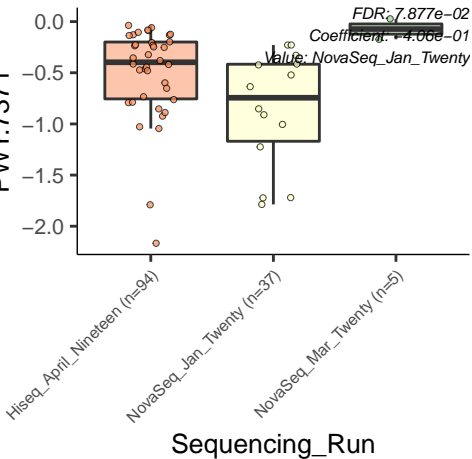
Sequencing_Run



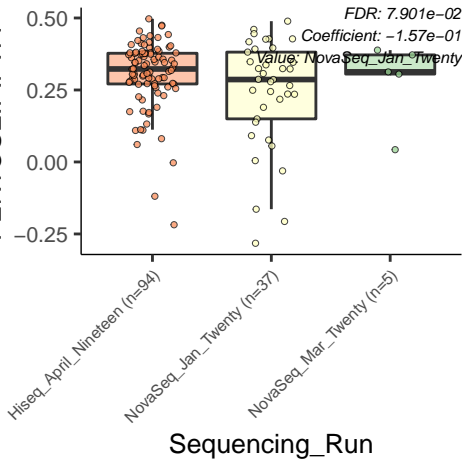
PWY0.166

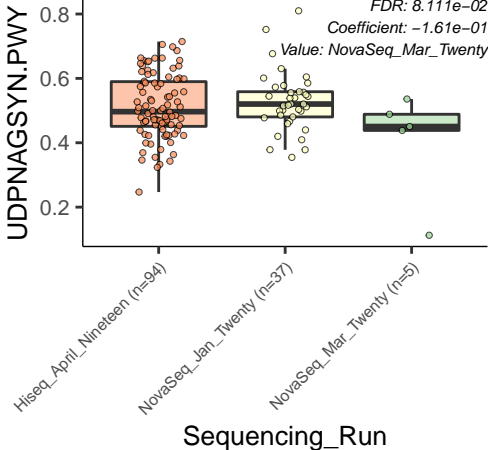


PWY.7371



PENTOSE.P.PWY





OANTIGEN.PWY

FDR: 8.215e-02

Coefficient: -1.21e-01

Value: NovaSeq_Mar_Twenty

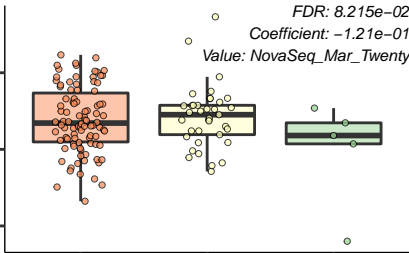
Hiseq_April_Nineteen (n=94)

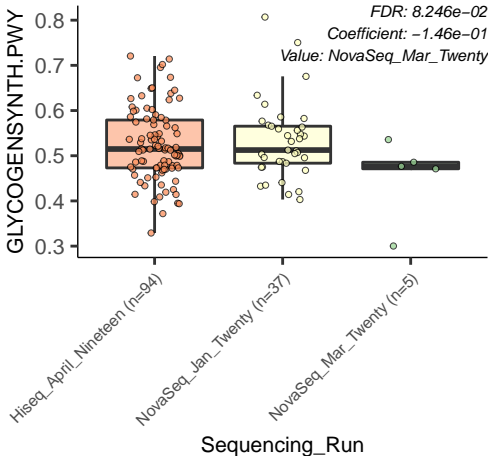
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run

0.2
0.4
0.6





PWY0.1297

FDR: 9.114e-02

Coefficient: -1.54e-01

Value: NovaSeq_Mar_Twenty

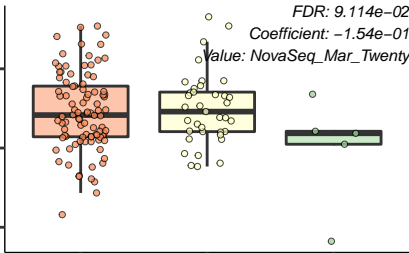
Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run

0.2
0.4
0.6



PWY0.162

FDR: 9.509e-02

Coefficient: -1.66e-01

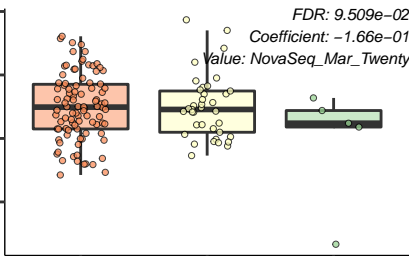
Value: NovaSeq_Mar_Twenty

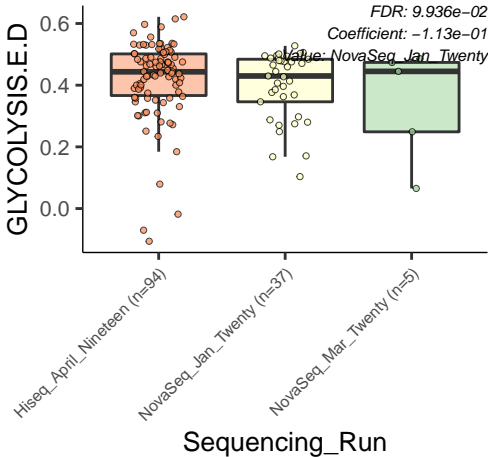
Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

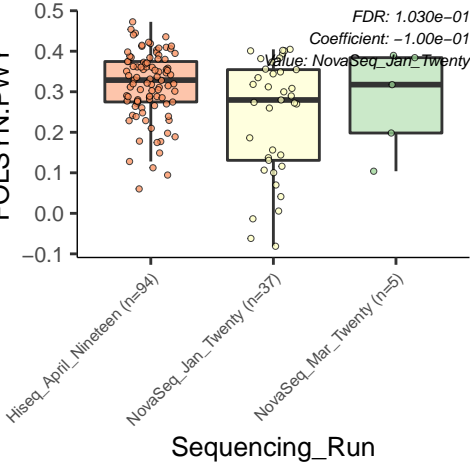
NovaSeq_Mar_Twenty (n=5)

Sequencing_Run

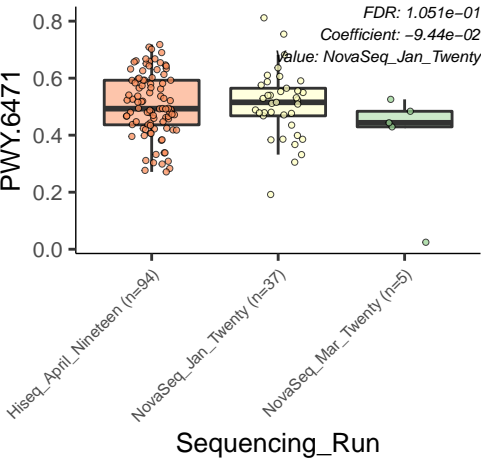


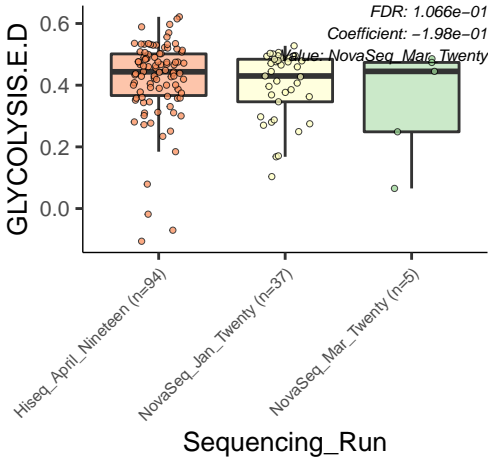


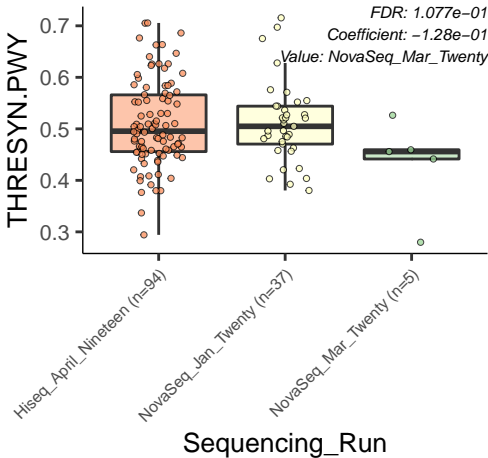
FOLSYN.PWY



PWY.6471







GLYCOLYSIS

0.8
0.6
0.4

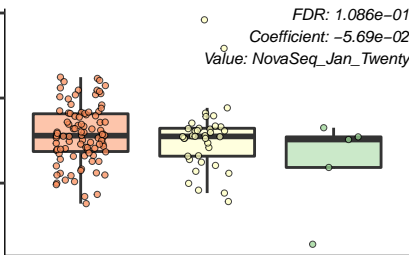
FDR: 1.086e-01
Coefficient: -5.69e-02
Value: NovaSeq_Jan_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



DENOVOPURINE2.PWY

FDR: 1.102e-01

Coefficient: -1.48e-01

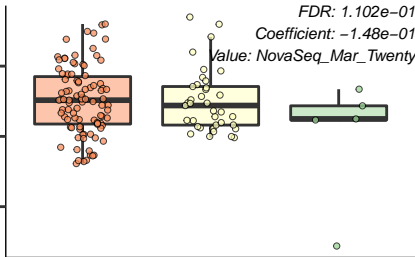
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

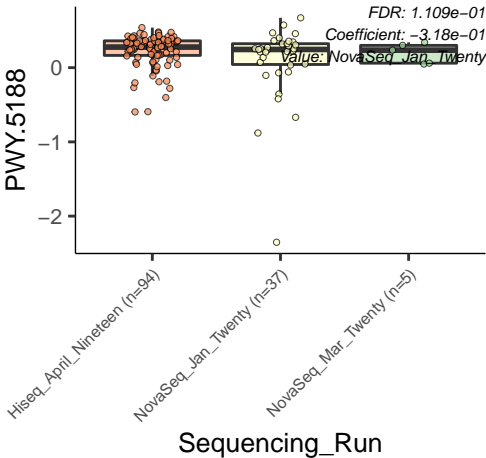
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.5188



PWY.6125

FDR: 1.110e-01

Coefficient: -1.75e-01

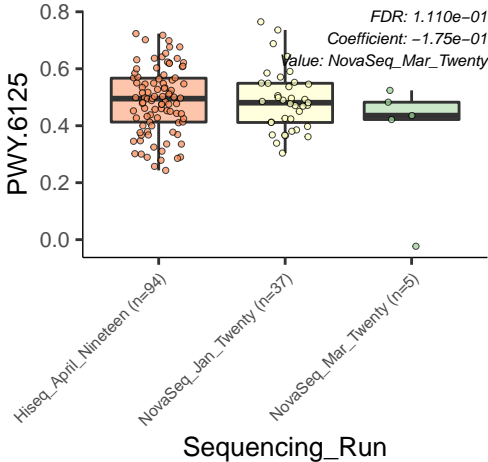
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

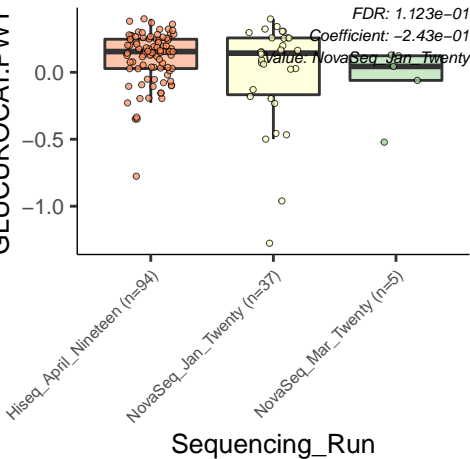
NovaSeq_Jan_Twenty (n=37)

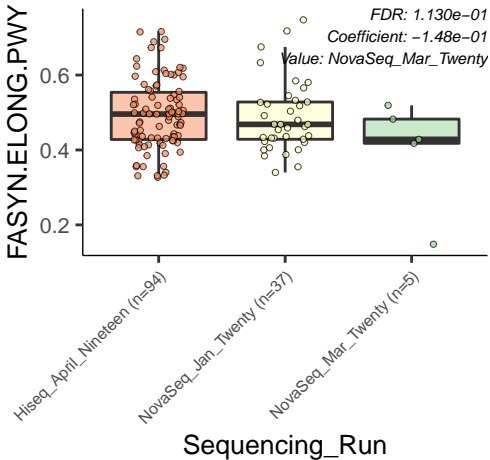
NovaSeq_Mar_Twenty (n=5)

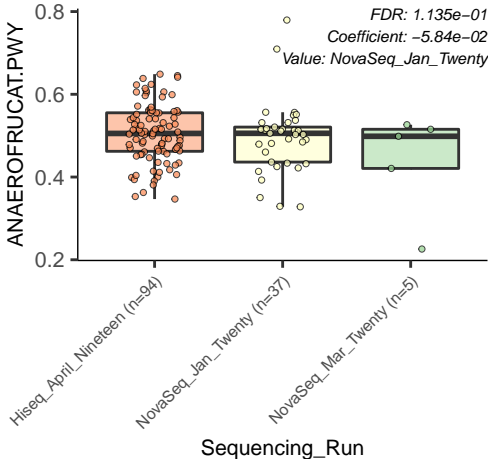
Sequencing_Run



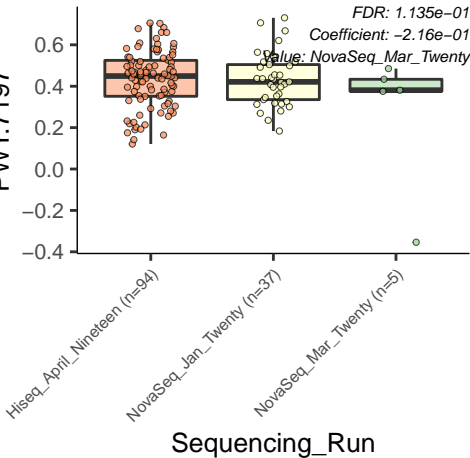
GLUCUROCAT.PWY







PWY.7197



PWY.841

FDR: 1.135e-01

Coefficient: -1.52e-01

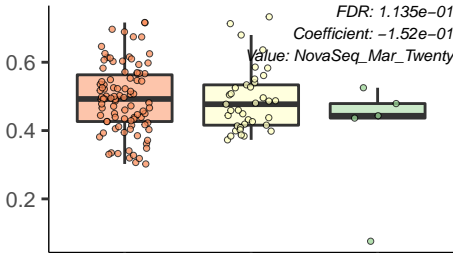
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

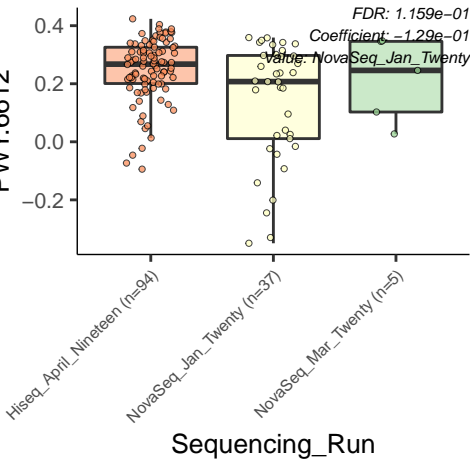
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

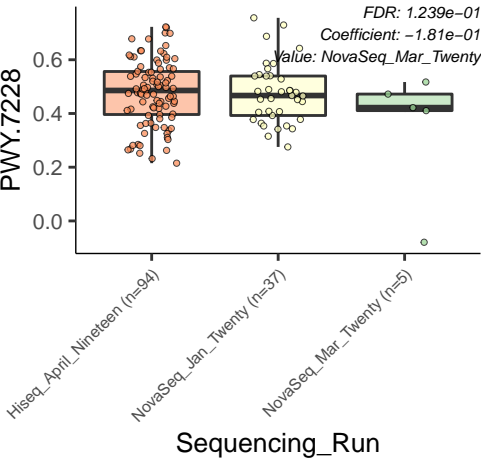
Sequencing_Run

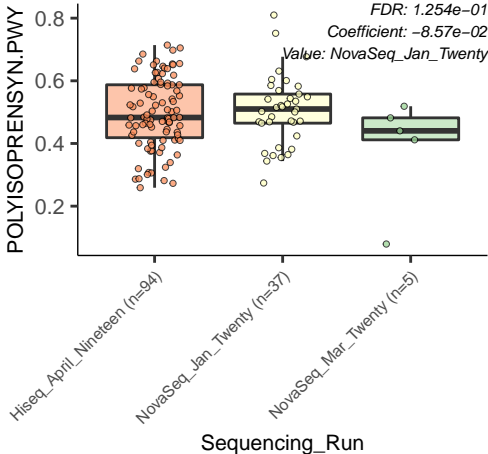


PWY.6612

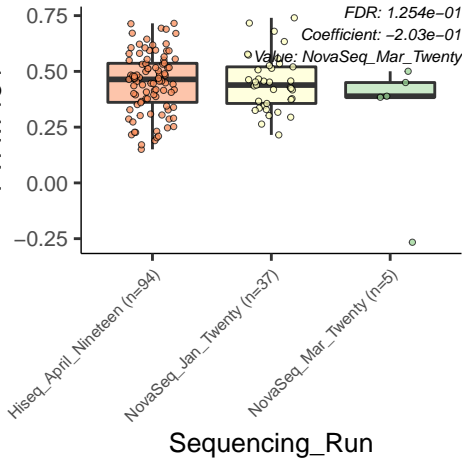


PWY.7228

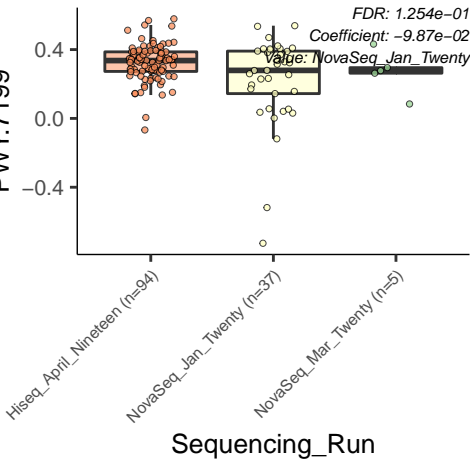




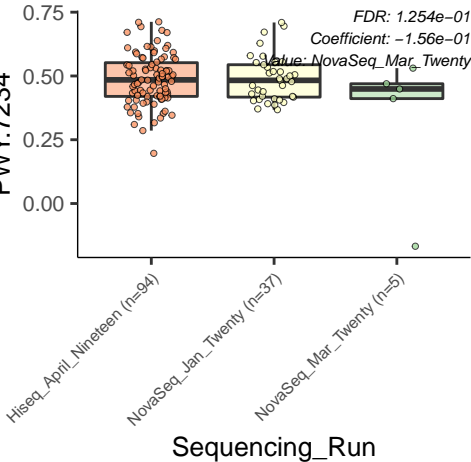
PWY.7184



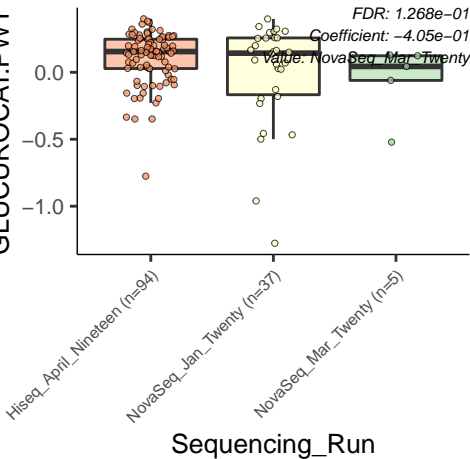
PWY.7199



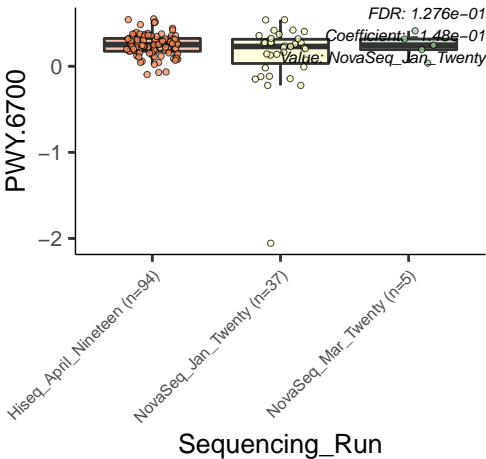
PWY.7234



GLUCUROCAT.PWY



PWY.6700



GLCMANNANAUT.PWY

FDR: 1.286e-01

Coefficient: -9.29e-02

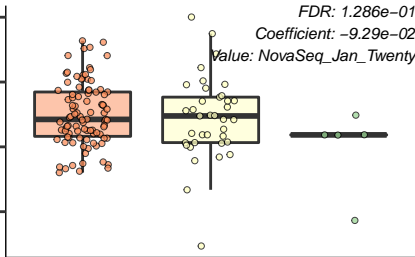
Value: NovaSeq_Jan_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.6609

FDR: 1.375e-01

Coefficient: -1.21e-01

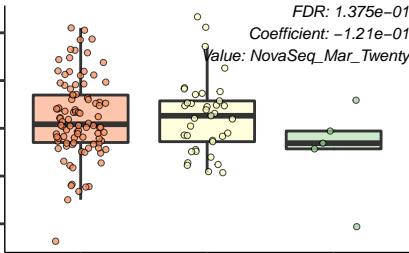
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.621

FDR: 1.429e-01

Coefficient: -7.33e-02

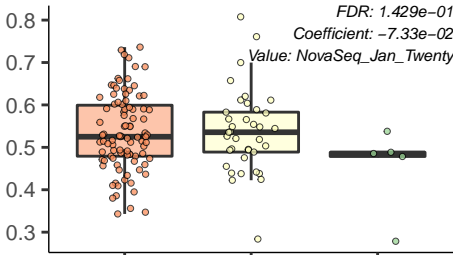
Value: NovaSeq_Jan_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.6151

FDR: 1.581e-01

Coefficient: -1.33e-01

Value: NovaSeq_Mar_Twenty

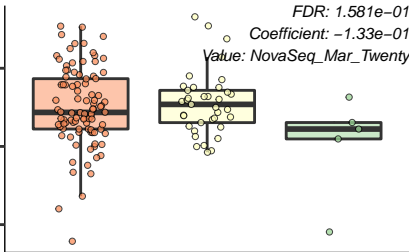
Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run

0.2
0.4
0.6



PWY.7663

FDR: 1.604e-01

Coefficient: -1.18e-01

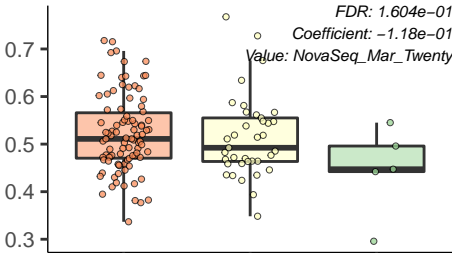
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

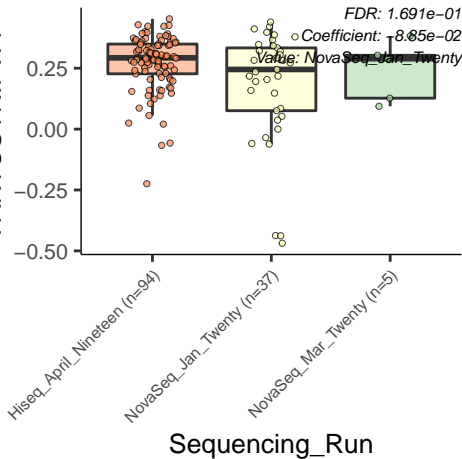
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PANTOSYN.PWY



CALVIN.PWY

FDR: 1.693e-01

Coefficient: -5.73e-02

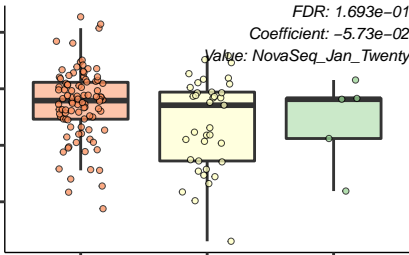
Value: NovaSeq_Jan_Twenty

Hiseq_April_Nineteen (n=94)

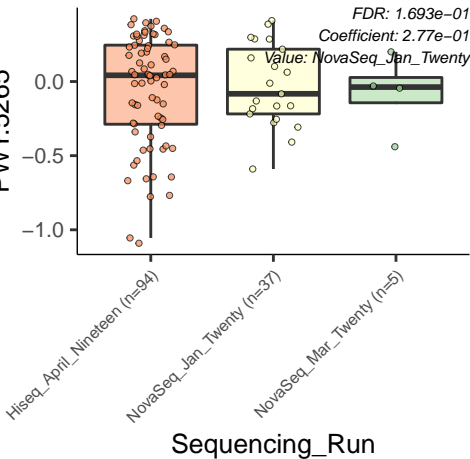
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

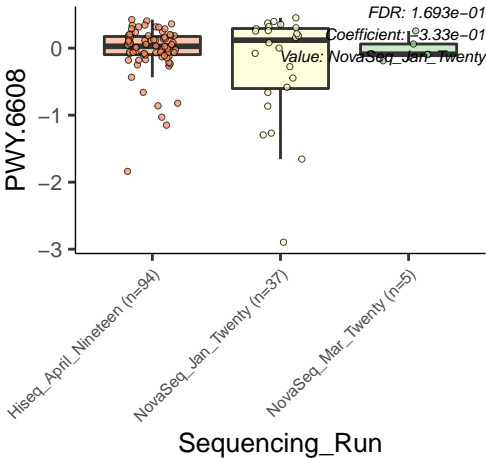
Sequencing_Run

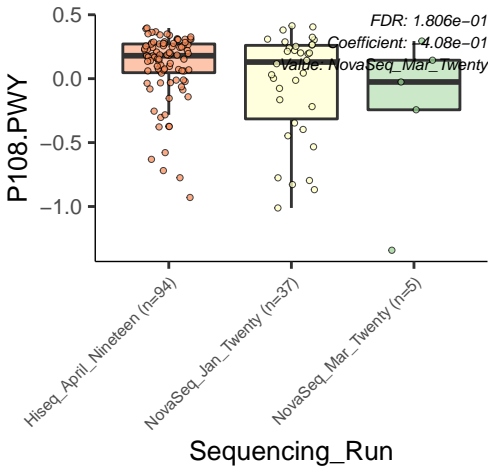


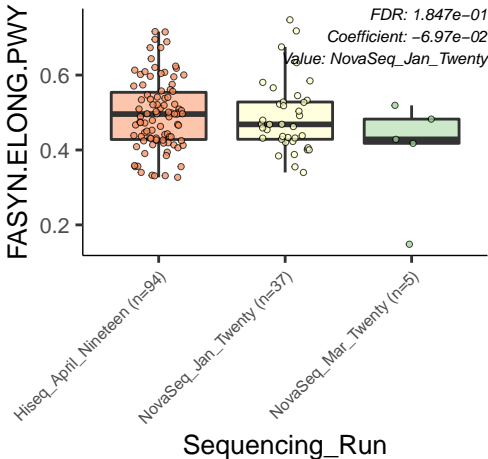
PWY.5265



PWY.6608







PWY.5973

FDR: 1.870e-01

Coefficient: -1.15e-01

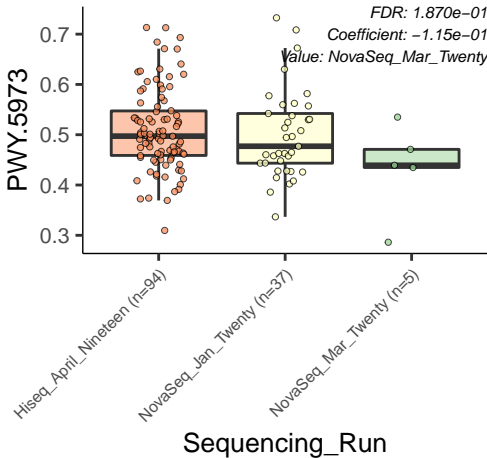
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.5100

FDR: 1.986e-01

Coefficient: -5.54e-02

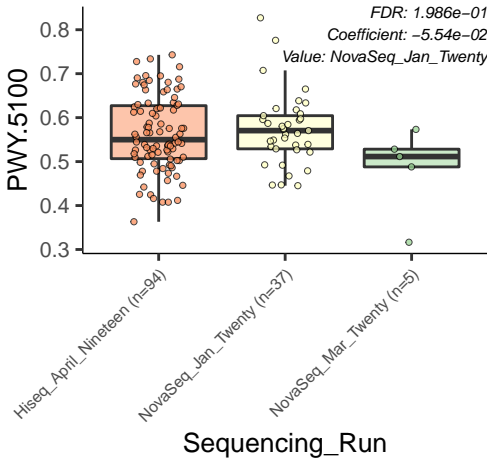
Value: NovaSeq_Jan_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY0.162

FDR: 1.986e-01

Coefficient: -7.17e-02

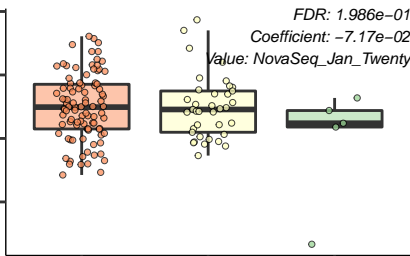
Value: NovaSeq_Jan_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY4FS.7

FDR: 1.986e-01

Coefficient: -5.92e-02

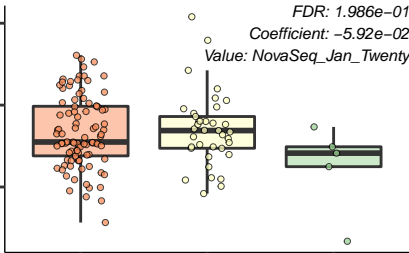
Value: NovaSeq_Jan_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY4FS.8

FDR: 1.986e-01

Coefficient: -5.92e-02

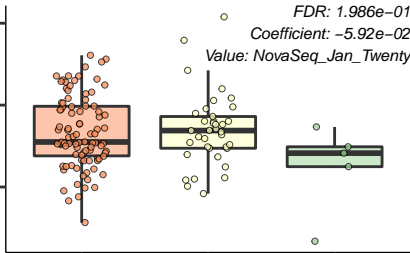
Value: NovaSeq_Jan_Twenty

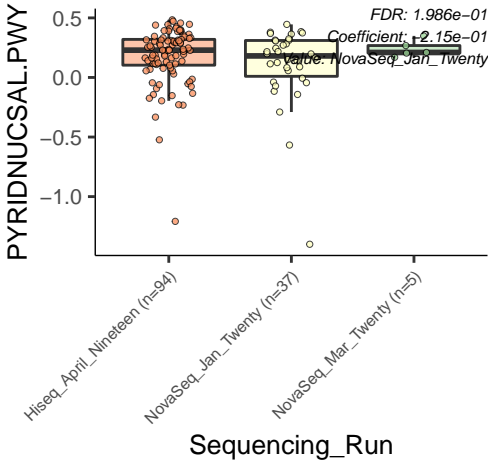
Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run





TRNA.CHARGING.PWY

FDR: 1.986e-01

Coefficient: -4.25e-02

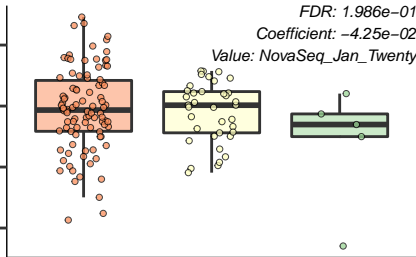
Value: NovaSeq_Jan_Twenty

Hiseq_April_Nineteen (n=94)

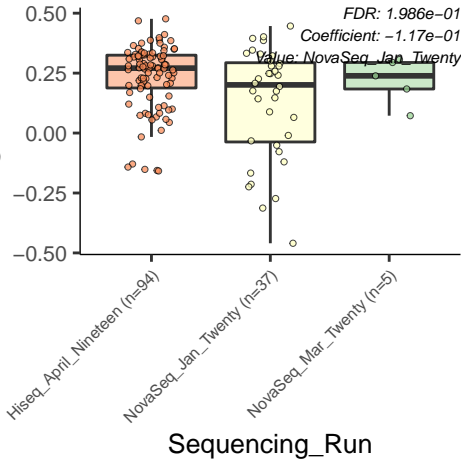
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



TRPSYN.PWY



P122.PWY

FDR: 1.997e-01

Coefficient: -9.82e-02

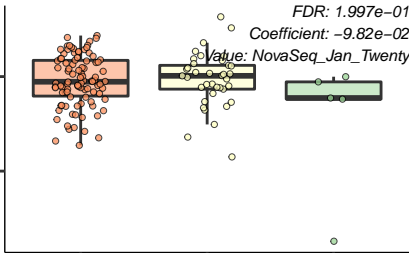
Value: NovaSeq_Jan_Twenty

Hiseq_April_Nineteen (n=94)

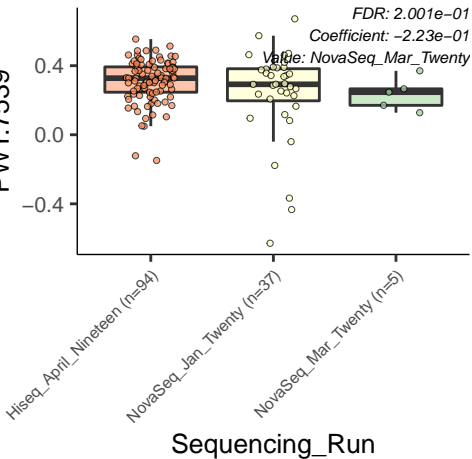
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.7539



PWY.841

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

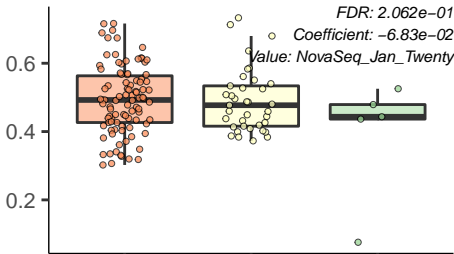
NovaSeq_Mar_Twenty (n=5)

Sequencing_Run

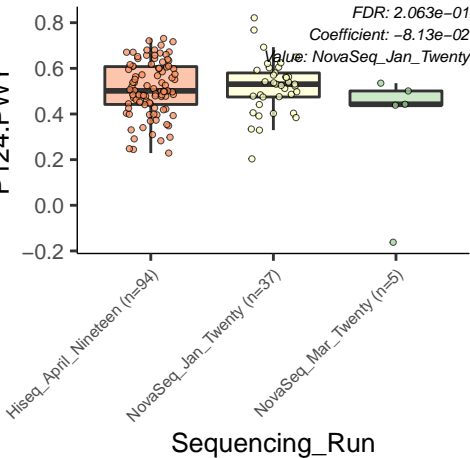
FDR: 2.062e-01

Coefficient: -6.83e-02

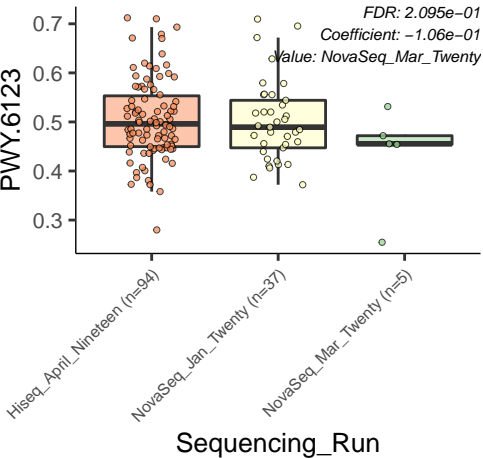
Value: NovaSeq_Jan_Twenty

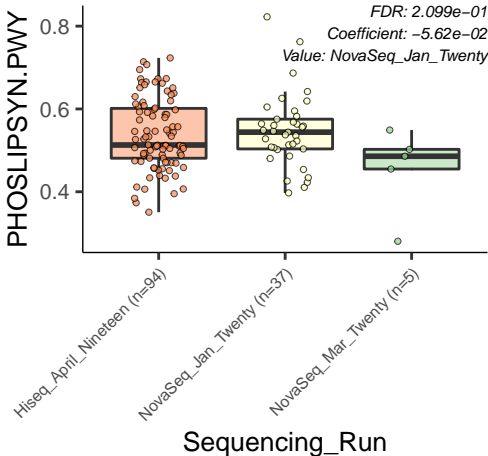


P124.PWY

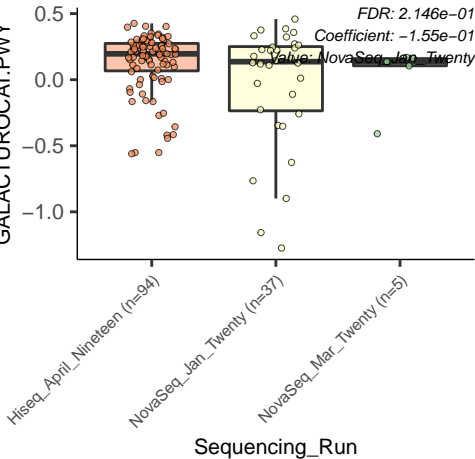


PWY.6123

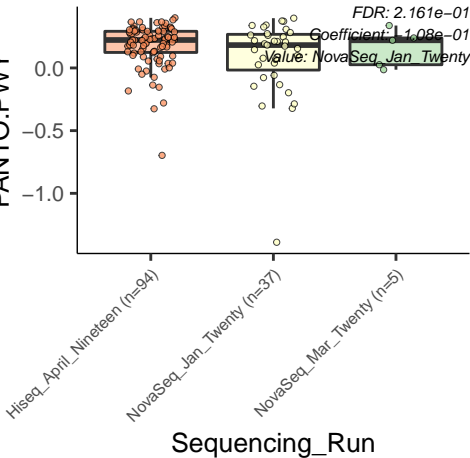


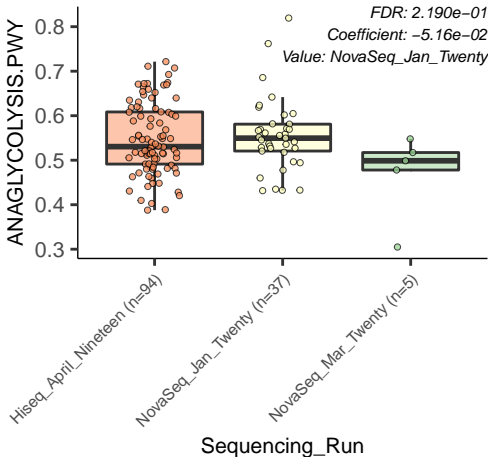


GALACTUROCAT.PWY



PANTO.PWY





DENOVOPURINE2.PWY

FDR: 2.241e-01

Coefficient: -6.30e-02

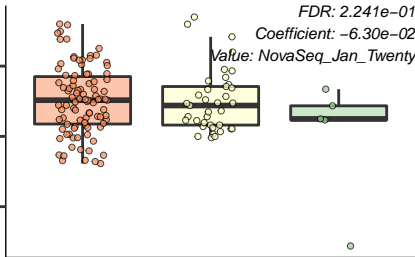
Value: NovaSeq_Jan_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.6121

FDR: 2.241e-01

Coefficient: -9.82e-02

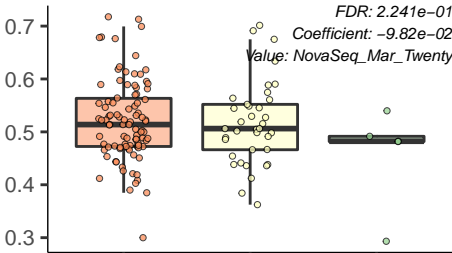
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.6122

FDR: 2.241e-01

Coefficient: -9.89e-02

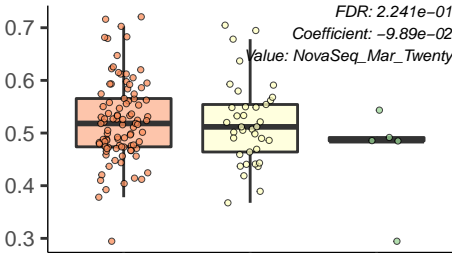
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

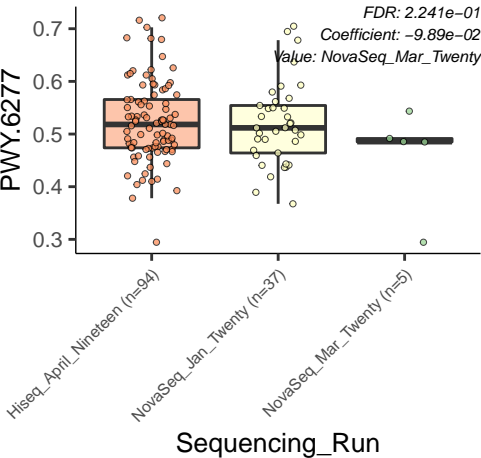
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.6277



PWY.6125

FDR: 2.265e-01

Coefficient: -7.48e-02

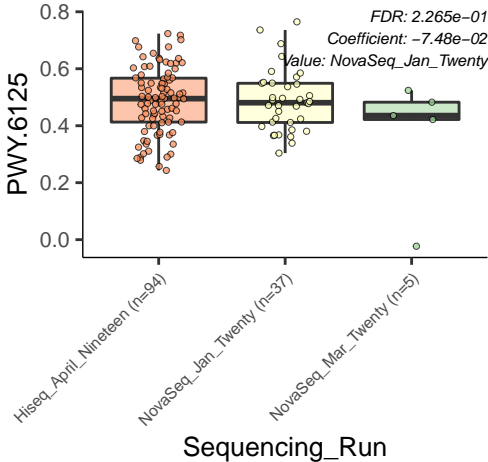
Value: NovaSeq_Jan_Twenty

Hiseq_April_Nineteen (n=94)

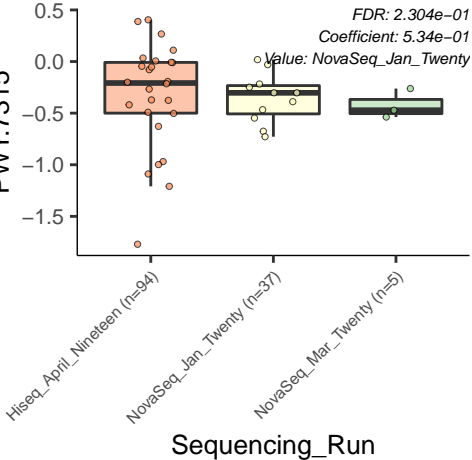
NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.7315



PWY0.1298

FDR: 2.304e-01

Coefficient: -1.31e-01

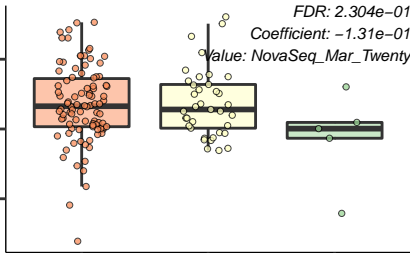
Value: NovaSeq_Mar_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.7221

FDR: 2.370e-01

Coefficient: -5.23e-02

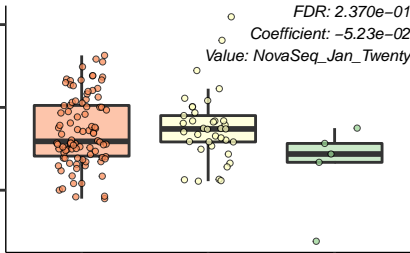
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Hiseq_April_Nineteen (n=94)

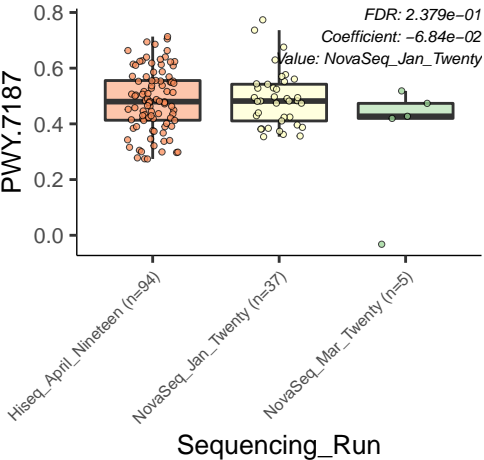
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NovaSeq_Mar_Twenty (n=5)

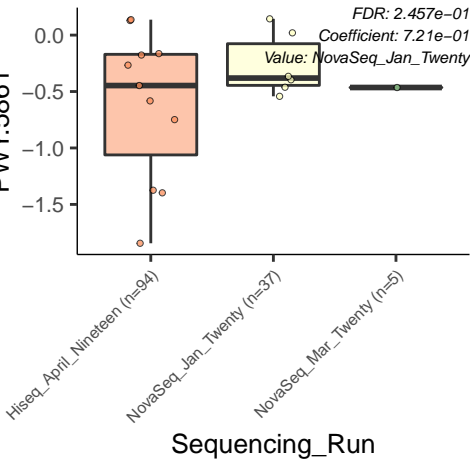
Sequencing_Run



PWY.7187



PWY.5861



PWY.7228

FDR: 2.457e-01

Coefficient: -7.69e-02

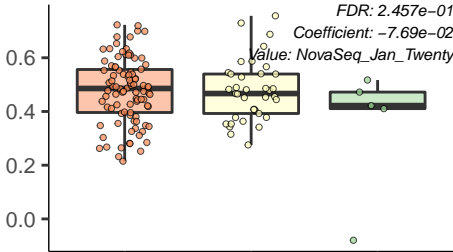
Value: NovaSeq_Jan_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY.5667

FDR: 2.471e-01

Coefficient: -5.10e-02

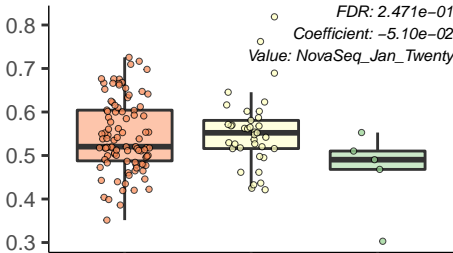
Value: NovaSeq_Jan_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY0.1319

FDR: 2.471e-01

Coefficient: -5.10e-02

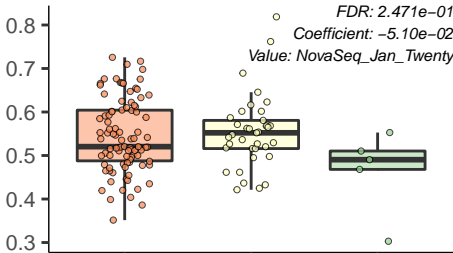
Value: NovaSeq_Jan_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



PWY0.166

FDR: 2.471e-01

Coefficient: -6.84e-02

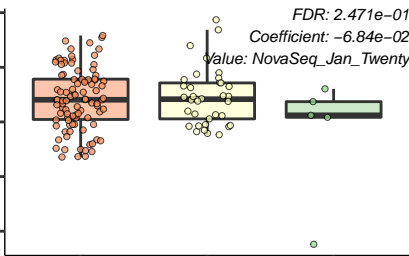
Value: NovaSeq_Jan_Twenty

Hiseq_April_Nineteen (n=94)

NovaSeq_Jan_Twenty (n=37)

NovaSeq_Mar_Twenty (n=5)

Sequencing_Run



P42.PWY

