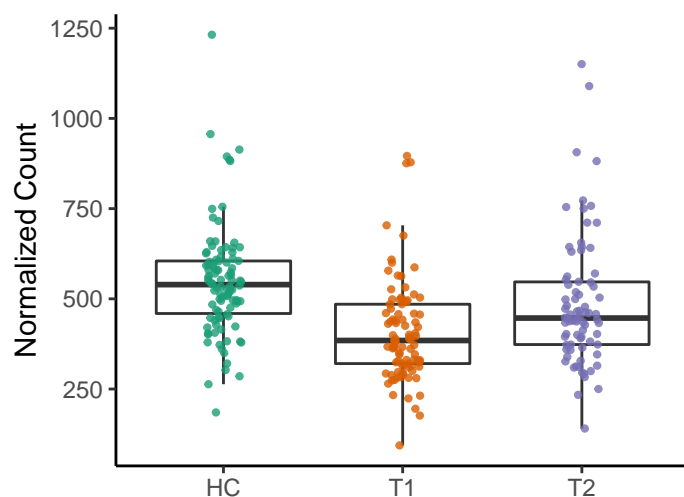
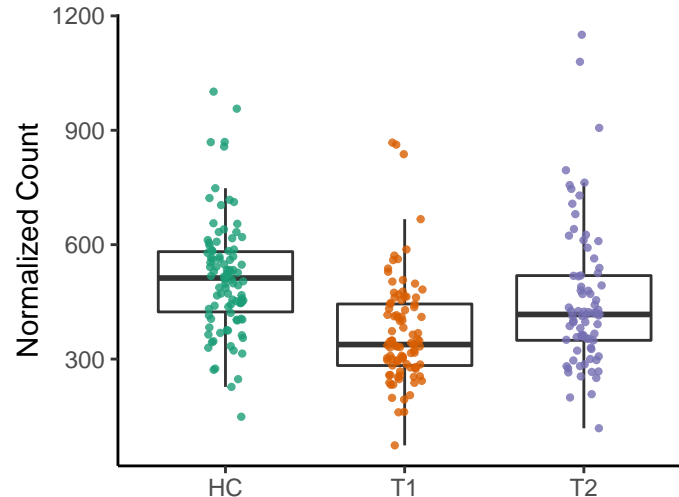


BRANCHED-CHAIN-AA-SYN-PWY:

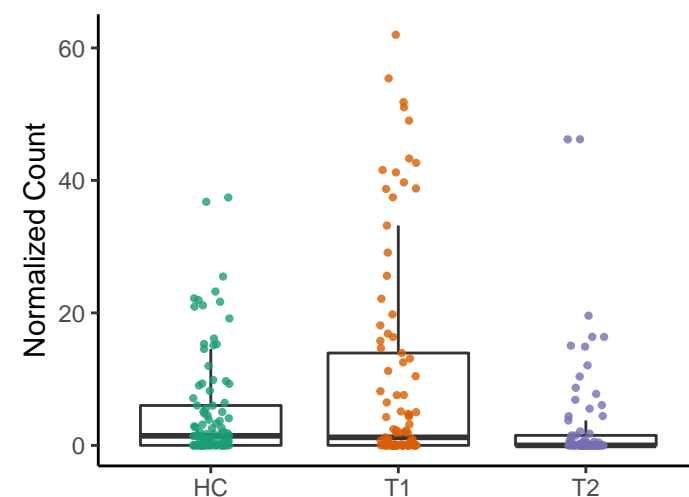
HC vs. T1 adjusted $p = 9.2e-09$
HC vs. T2 adjusted $p = 0.075$
T1 vs. T2 adjusted $p = 0.0045$

**PWY-5103: L-isoleucine biosynthesis**

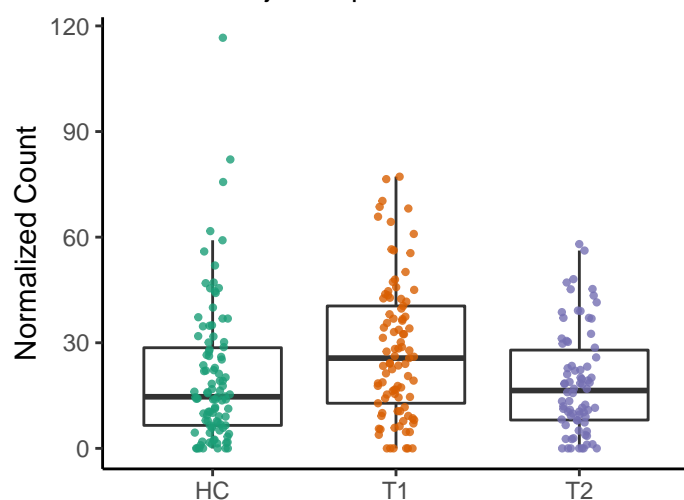
HC vs. T1 adjusted $p = 5.5e-09$
HC vs. T2 adjusted $p = 0.093$
T1 vs. T2 adjusted $p = 0.0045$

**PWY-5505: L-glutamate and L-glutamine**

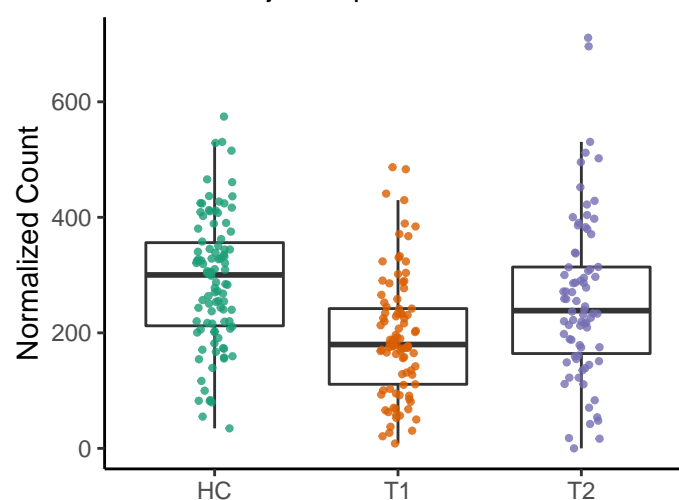
HC vs. T1 adjusted $p = 0.023$
HC vs. T2 adjusted $p = 0.26$
T1 vs. T2 adjusted $p = 0.0045$

**PWY-5676: acetyl-CoA fermentation to**

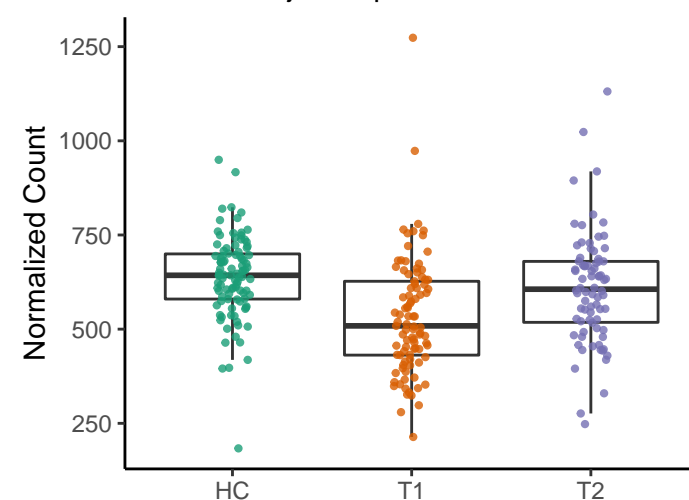
HC vs. T1 adjusted $p = 0.028$
HC vs. T2 adjusted $p = 0.61$
T1 vs. T2 adjusted $p = 0.0045$

**SER-GLYSYN-PWY: superpathway of**

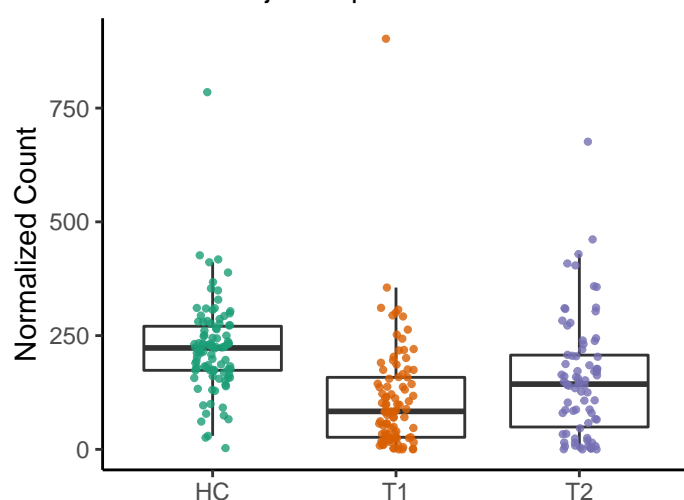
HC vs. T1 adjusted $p = 1.3e-07$
HC vs. T2 adjusted $p = 0.23$
T1 vs. T2 adjusted $p = 0.0045$

**ARO-PWY: chorismate biosynthesis I**

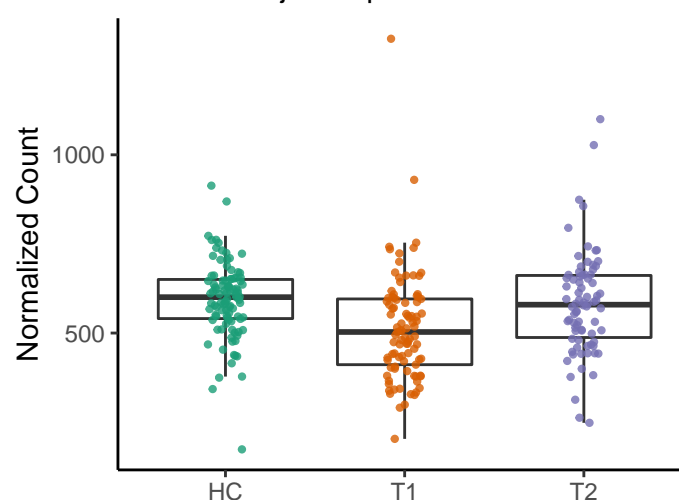
HC vs. T1 adjusted $p = 2.6e-06$
HC vs. T2 adjusted $p = 0.24$
T1 vs. T2 adjusted $p = 0.0058$

**COBALSYN-PWY: adenosylcobalamin**

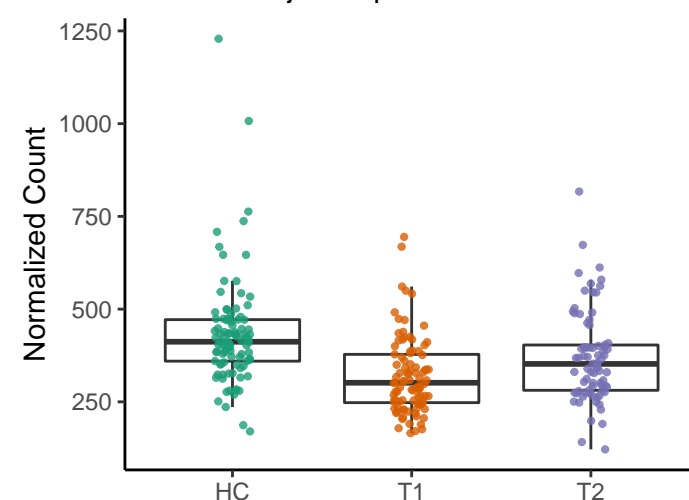
HC vs. T1 adjusted $p = 4.3e-09$
HC vs. T2 adjusted $p = 0.0041$
T1 vs. T2 adjusted $p = 0.0069$

**COMPLETE-ARO-PWY: superpathwa**

HC vs. T1 adjusted $p = 0.00029$
HC vs. T2 adjusted $p = 0.64$
T1 vs. T2 adjusted $p = 0.0069$

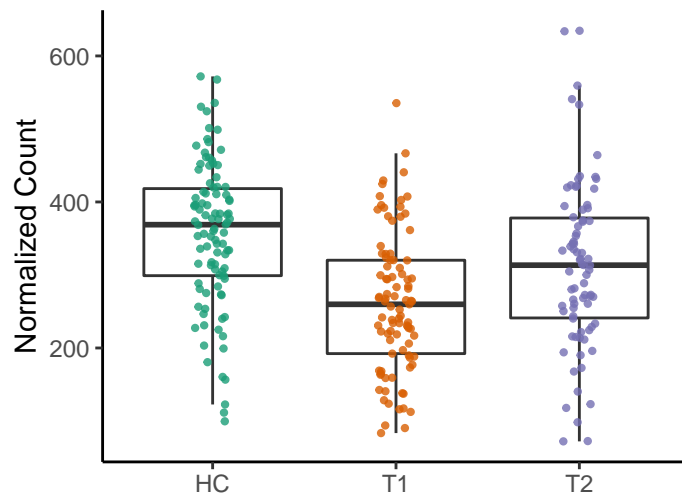
**PWY-3001: superpathway of L-isoleu**

HC vs. T1 adjusted $p = 8.9e-08$
HC vs. T2 adjusted $p = 0.021$
T1 vs. T2 adjusted $p = 0.0069$



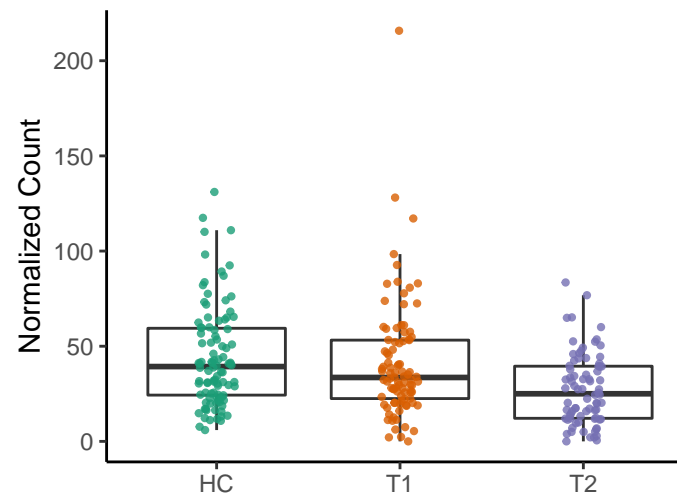
PWY-6317: galactose degradation I (L

HC vs. T1 adjusted $p = 6e-09$
HC vs. T2 adjusted $p = 0.048$
T1 vs. T2 adjusted $p = 0.0069$



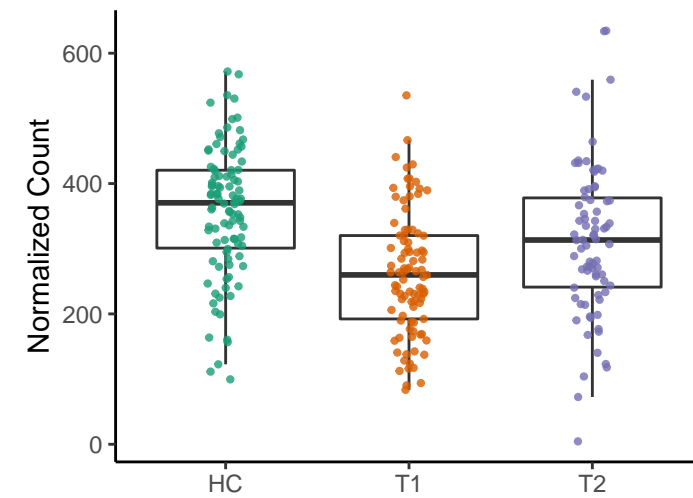
TCA: TCA cycle I (prokaryotic)

HC vs. T1 adjusted $p = 0.6$
HC vs. T2 adjusted $p = 0.00014$
T1 vs. T2 adjusted $p = 0.0069$



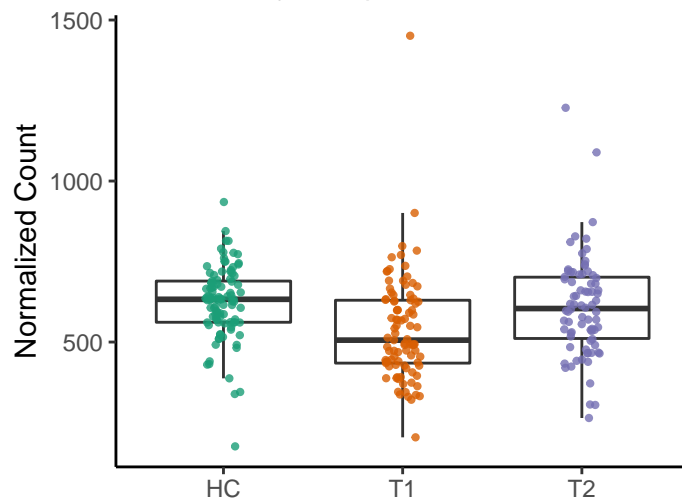
PWY66-422: D-galactose degradation

HC vs. T1 adjusted $p = 5.3e-09$
HC vs. T2 adjusted $p = 0.041$
T1 vs. T2 adjusted $p = 0.008$



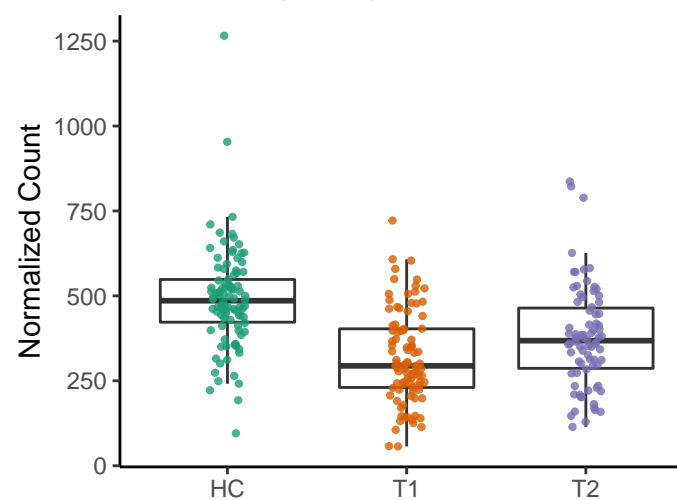
PWY-6163: chorismate biosynthesis f

HC vs. T1 adjusted $p = 0.00026$
HC vs. T2 adjusted $p = 0.6$
T1 vs. T2 adjusted $p = 0.0099$



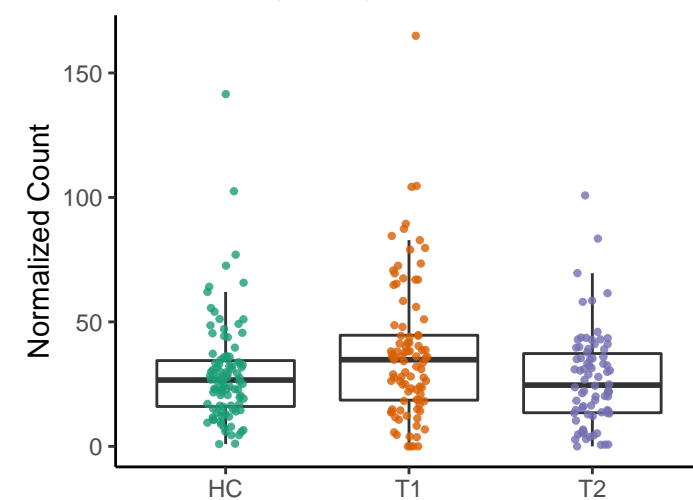
DTDPRHAMSYN-PWY: dTDP-L-rha

HC vs. T1 adjusted $p = 6.6e-12$
HC vs. T2 adjusted $p = 0.00014$
T1 vs. T2 adjusted $p = 0.011$



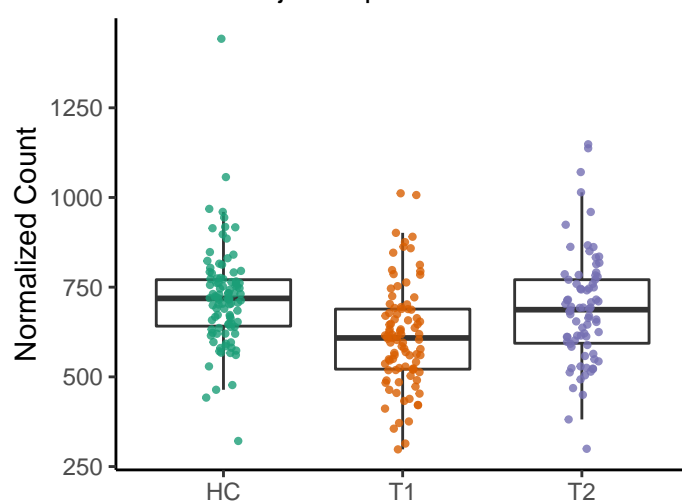
P441-PWY: superpathway of N-acetyl

HC vs. T1 adjusted $p = 0.046$
HC vs. T2 adjusted $p = 0.57$
T1 vs. T2 adjusted $p = 0.011$



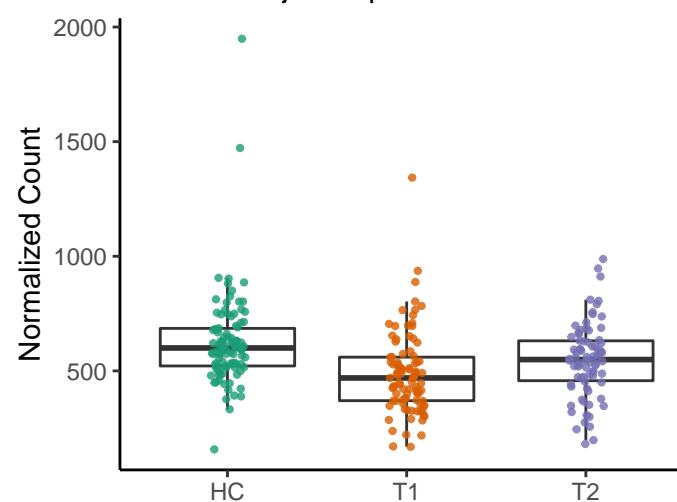
PWY-5686: UMP biosynthesis

HC vs. T1 adjusted $p = 4.7e-06$
HC vs. T2 adjusted $p = 0.31$
T1 vs. T2 adjusted $p = 0.011$



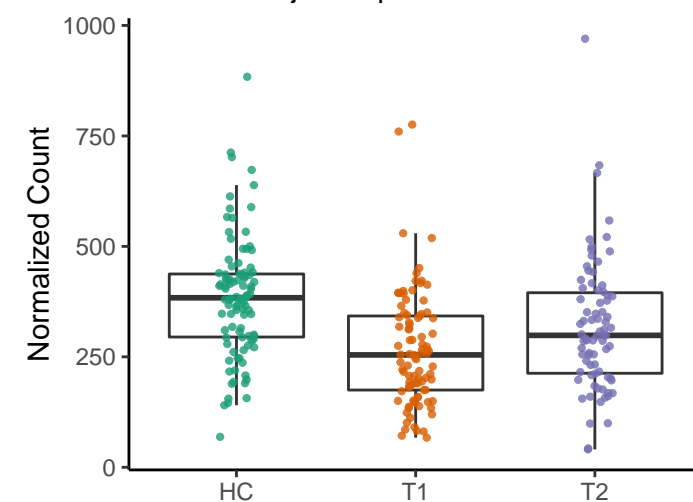
PWY-6151: S-adenosyl-L-methionin

HC vs. T1 adjusted $p = 1.5e-05$
HC vs. T2 adjusted $p = 0.033$
T1 vs. T2 adjusted $p = 0.011$



PWY-7357: thiamin formation from py

HC vs. T1 adjusted $p = 9.8e-08$
HC vs. T2 adjusted $p = 0.025$
T1 vs. T2 adjusted $p = 0.011$

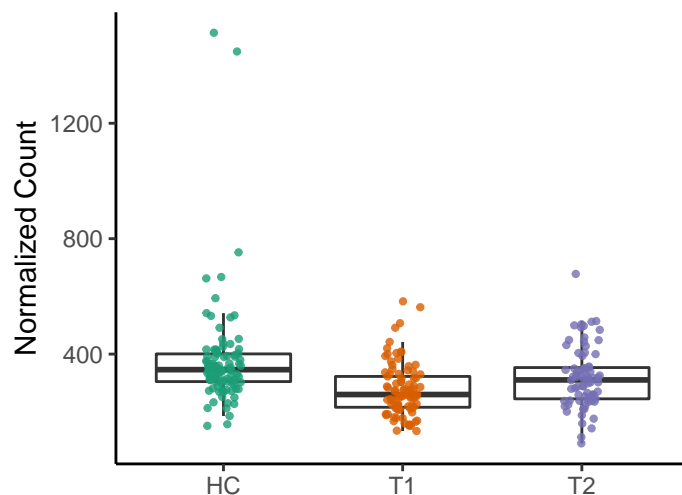


THRESYN-PWY: superpathway of L-

HC vs. T1 adjusted $p = 2.8e-05$

HC vs. T2 adjusted $p = 0.041$

T1 vs. T2 adjusted $p = 0.016$

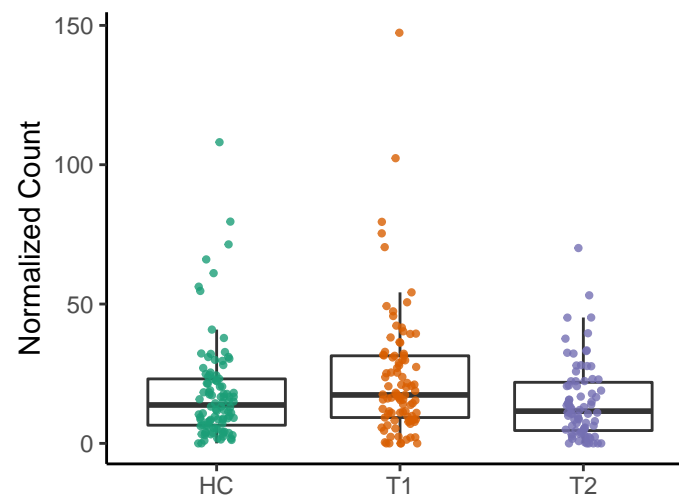


GLYCOLYSIS-E-D: superpathway of g

HC vs. T1 adjusted $p = 0.17$

HC vs. T2 adjusted $p = 0.28$

T1 vs. T2 adjusted $p = 0.016$

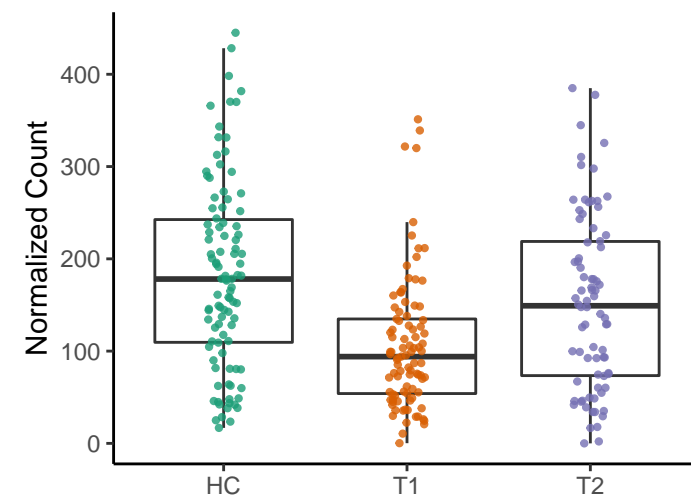


GLYCOGENSYNTH-PWY: glycogen bi

HC vs. T1 adjusted $p = 1.7e-07$

HC vs. T2 adjusted $p = 0.12$

T1 vs. T2 adjusted $p = 0.016$

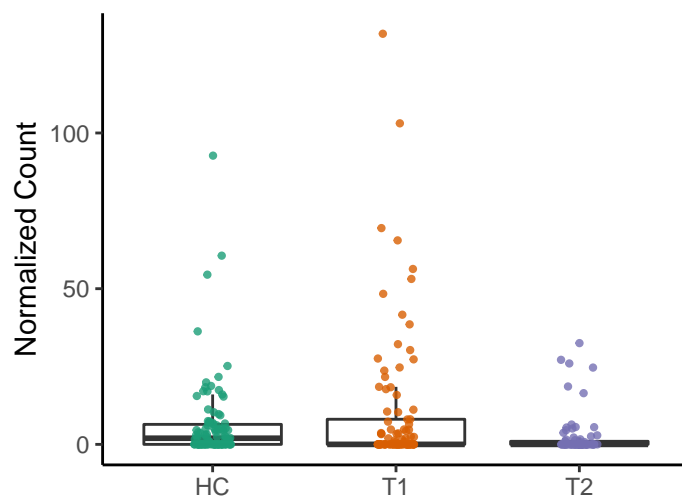


PWY-5838: superpathway of menaquir

HC vs. T1 adjusted $p = 0.23$

HC vs. T2 adjusted $p = 0.054$

T1 vs. T2 adjusted $p = 0.016$

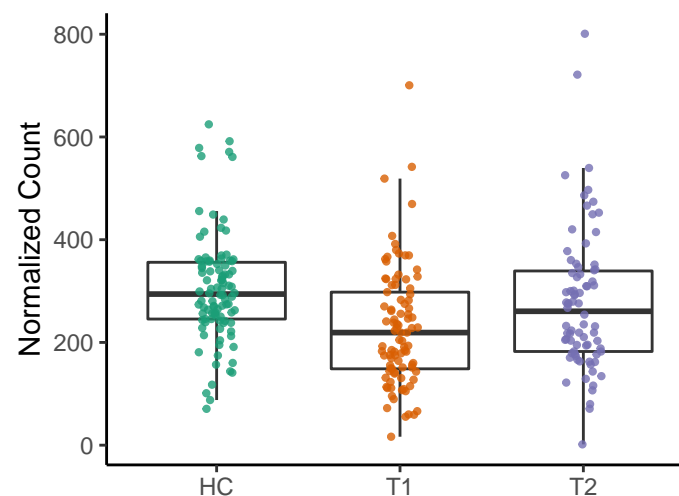


PWY-6123: inosine-5'-phosphate bios

HC vs. T1 adjusted $p = 4e-05$

HC vs. T2 adjusted $p = 0.27$

T1 vs. T2 adjusted $p = 0.017$

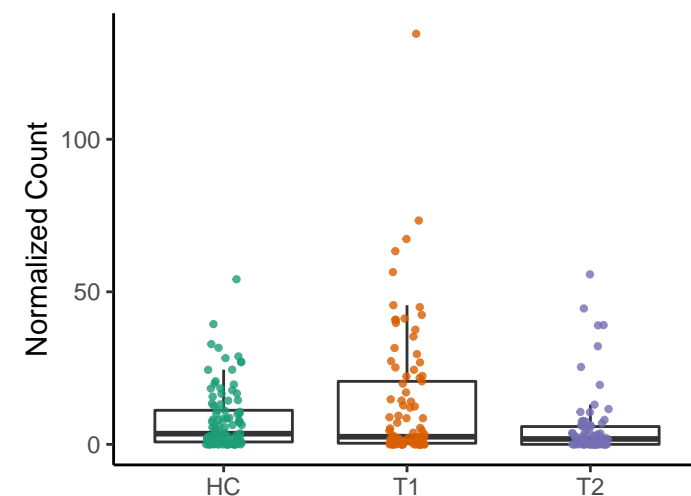


P108-PWY: pyruvate fermentation to p

HC vs. T1 adjusted $p = 0.07$

HC vs. T2 adjusted $p = 0.24$

T1 vs. T2 adjusted $p = 0.018$

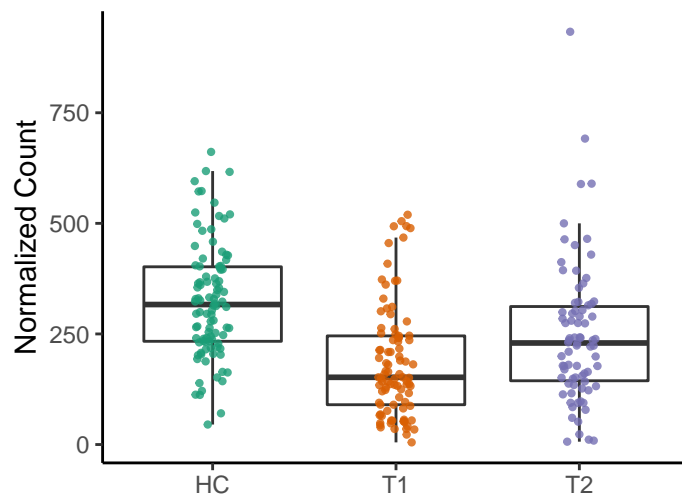


PWY-621: sucrose degradation III (suc

HC vs. T1 adjusted $p = 1.8e-10$

HC vs. T2 adjusted $p = 0.0099$

T1 vs. T2 adjusted $p = 0.018$

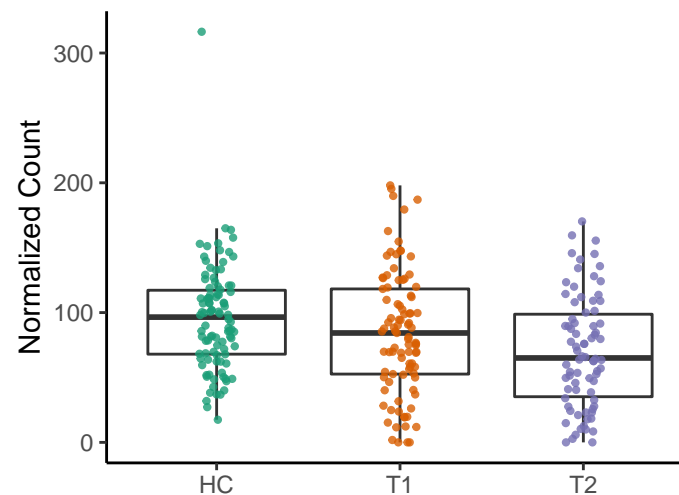


PWY-7211: superpathway of pyrimidin

HC vs. T1 adjusted $p = 0.17$

HC vs. T2 adjusted $p = 0.0023$

T1 vs. T2 adjusted $p = 0.018$

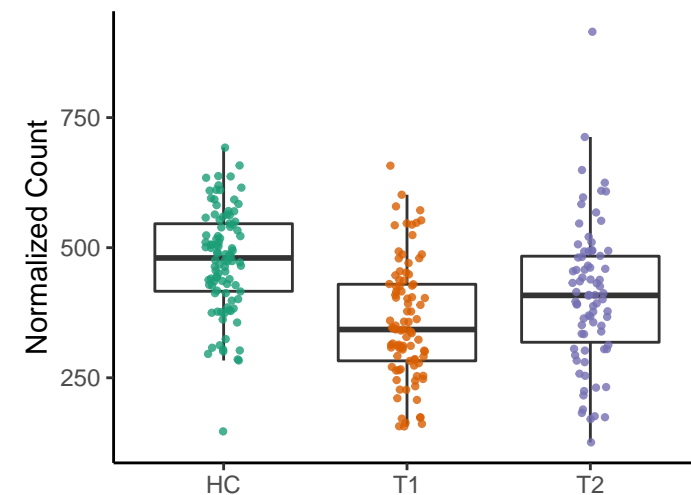


CALVIN-PWY: Calvin-Benson-Bassha

HC vs. T1 adjusted $p = 1.5e-10$

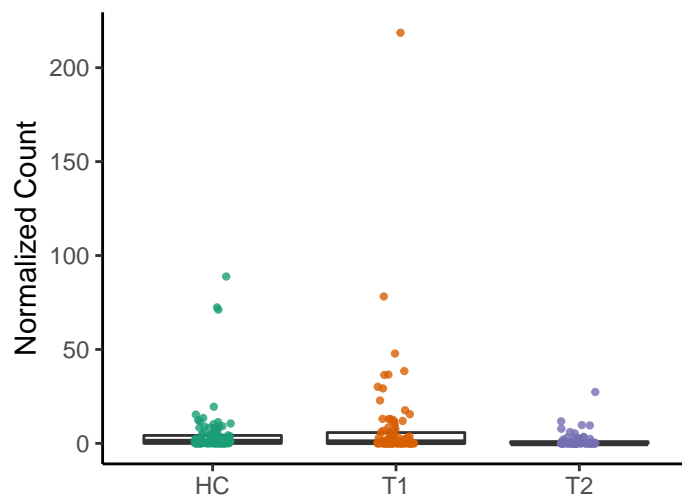
HC vs. T2 adjusted $p = 0.0048$

T1 vs. T2 adjusted $p = 0.018$



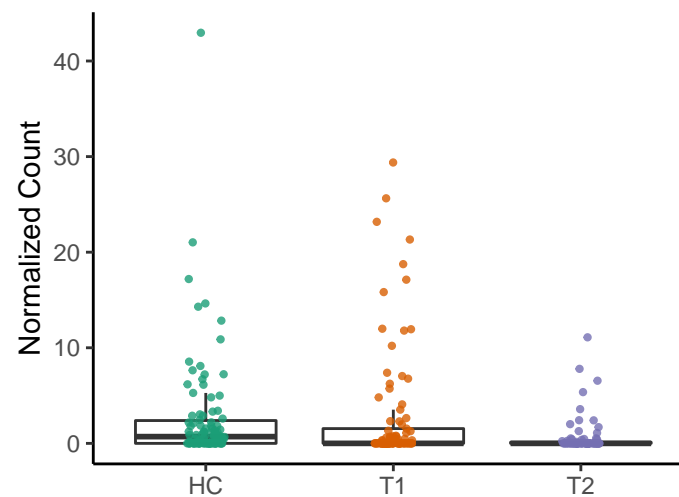
GLYOXYLATE-BYPASS: glyoxylate cyc

HC vs. T1 adjusted $p = 0.45$
HC vs. T2 adjusted $p = 0.056$
T1 vs. T2 adjusted $p = 0.018$



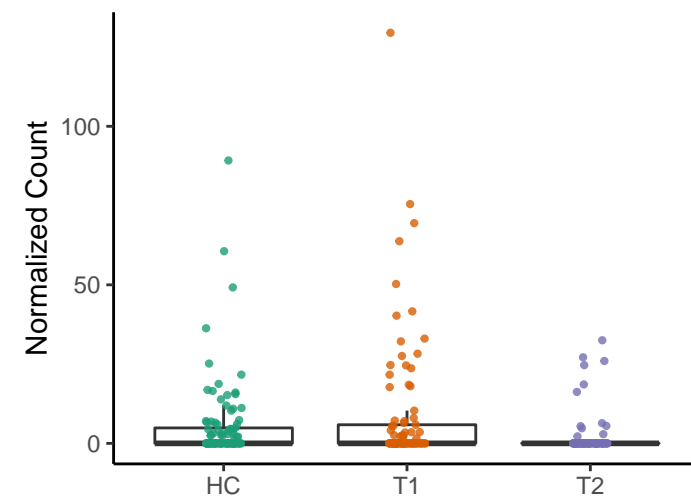
KETOGLUCONMET-PWY: ketoglucona

HC vs. T1 adjusted $p = 0.91$
HC vs. T2 adjusted $p = 0.011$
T1 vs. T2 adjusted $p = 0.018$



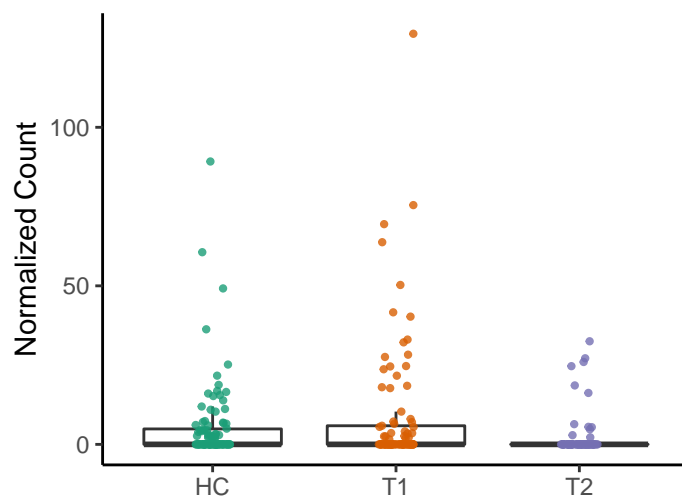
PWY-5845: superpathway of menaquin

HC vs. T1 adjusted $p = 0.3$
HC vs. T2 adjusted $p = 0.093$
T1 vs. T2 adjusted $p = 0.018$



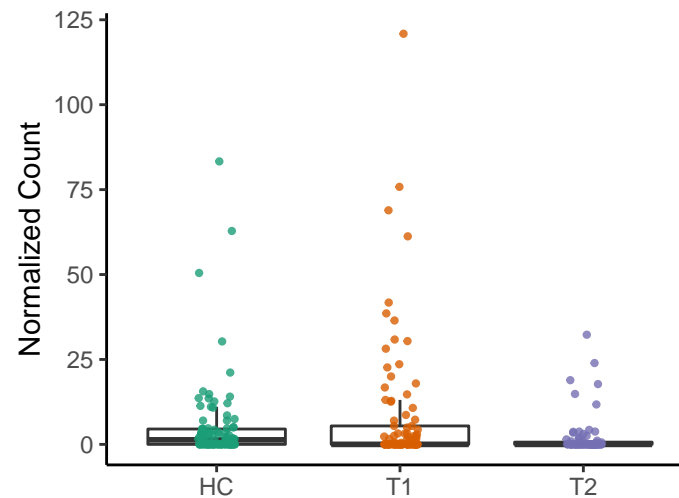
PWY-5850: superpathway of menaquin

HC vs. T1 adjusted $p = 0.3$
HC vs. T2 adjusted $p = 0.093$
T1 vs. T2 adjusted $p = 0.018$



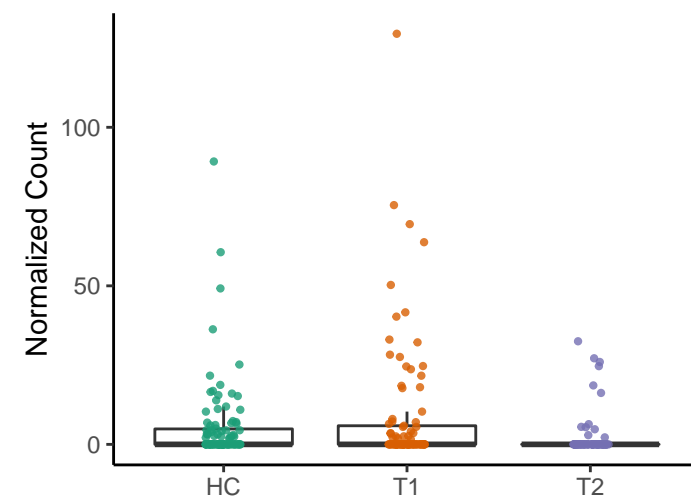
PWY-5861: superpathway of demethyl

HC vs. T1 adjusted $p = 0.29$
HC vs. T2 adjusted $p = 0.086$
T1 vs. T2 adjusted $p = 0.018$



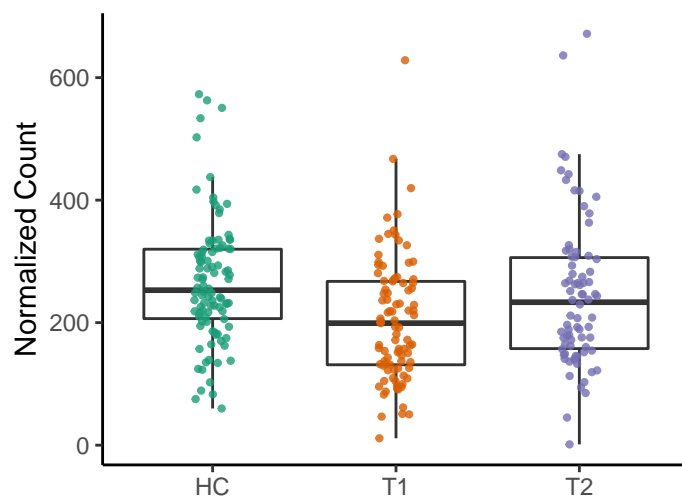
PWY-5896: superpathway of menaquin

HC vs. T1 adjusted $p = 0.3$
HC vs. T2 adjusted $p = 0.093$
T1 vs. T2 adjusted $p = 0.018$



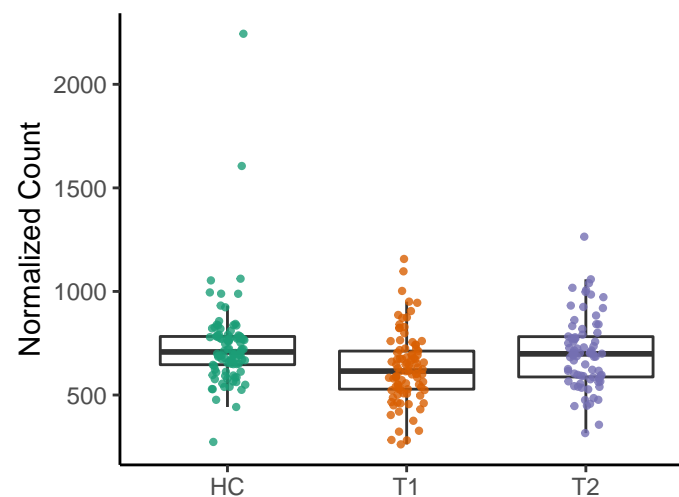
PWY-6124: inosine-5'-phosphate bios

HC vs. T1 adjusted $p = 0.00022$
HC vs. T2 adjusted $p = 0.34$
T1 vs. T2 adjusted $p = 0.018$



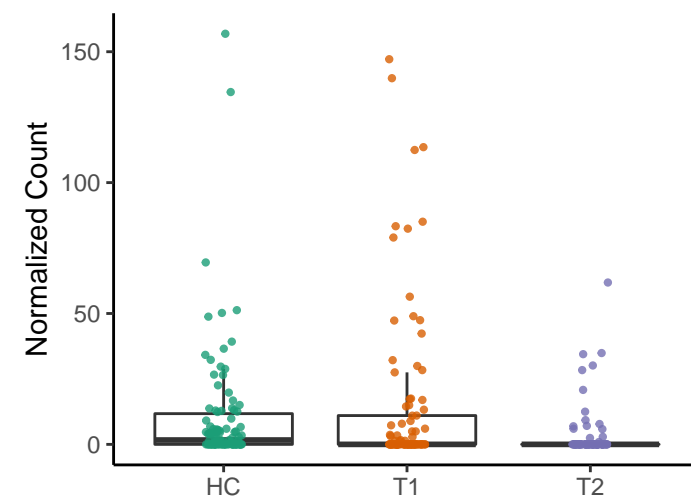
PWY-6386: UDP-N-acetylmuramoyl-

HC vs. T1 adjusted $p = 0.00091$
HC vs. T2 adjusted $p = 0.39$
T1 vs. T2 adjusted $p = 0.018$



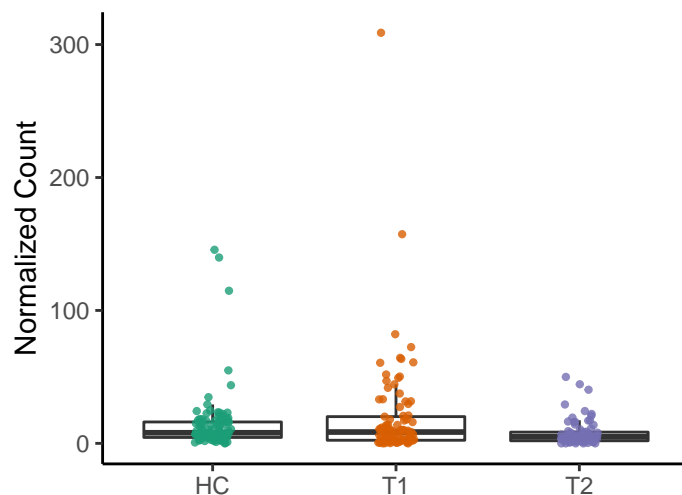
PWY-6895: superpathway of thiamin d

HC vs. T1 adjusted $p = 0.46$
HC vs. T2 adjusted $p = 0.041$
T1 vs. T2 adjusted $p = 0.018$



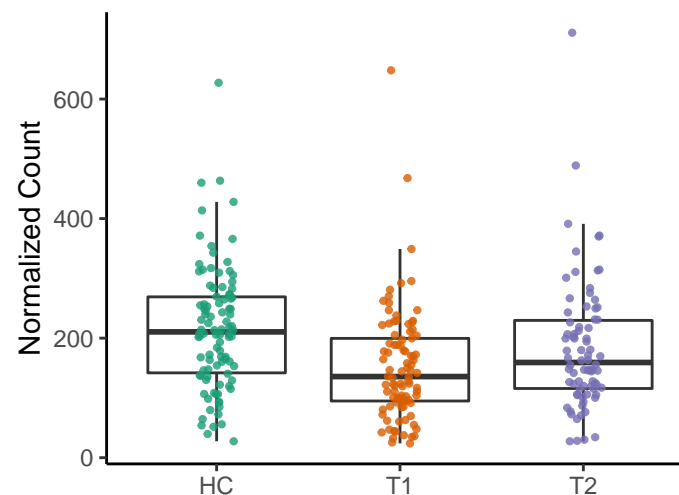
PWY0-1061: superpathway of L-alanin

HC vs. T1 adjusted $p = 0.4$
 HC vs. T2 adjusted $p = 0.049$
 T1 vs. T2 adjusted $p = 0.018$



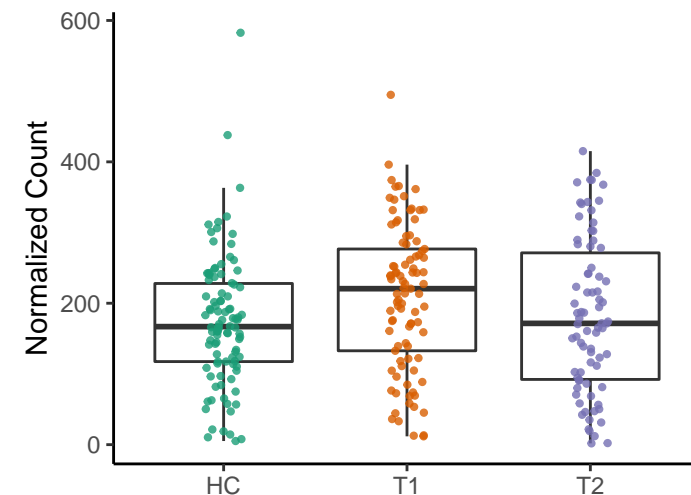
THISYNARA-PWY: superpathway of th

HC vs. T1 adjusted $p = 0.00011$
 HC vs. T2 adjusted $p = 0.13$
 T1 vs. T2 adjusted $p = 0.018$



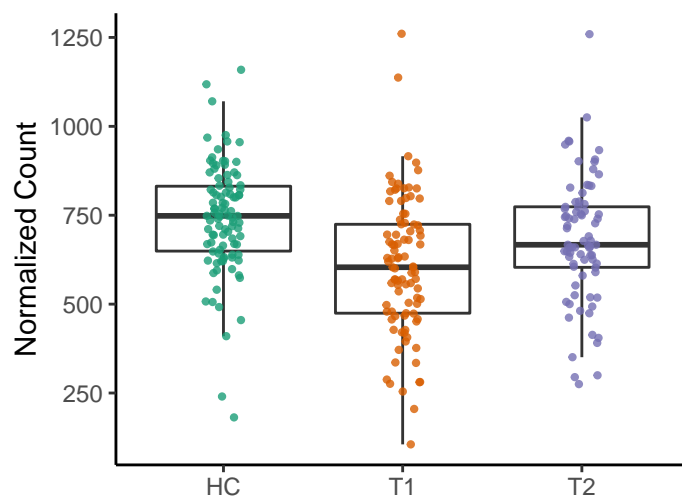
PWY-5973: cis-vaccenate biosynthesis

HC vs. T1 adjusted $p = 0.041$
 HC vs. T2 adjusted $p = 0.71$
 T1 vs. T2 adjusted $p = 0.019$



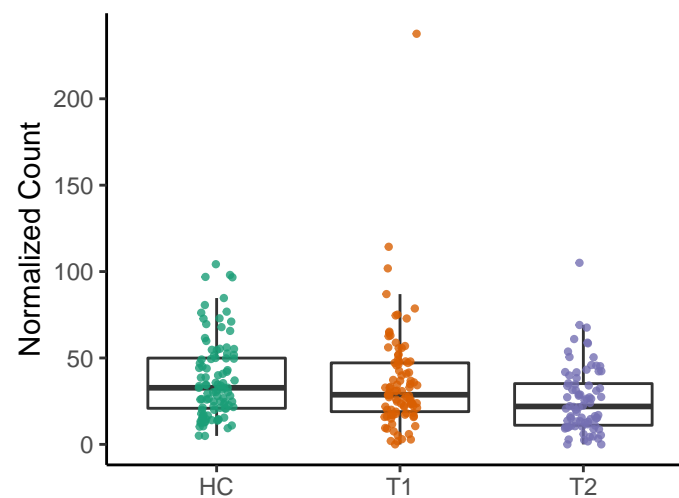
PWY-6737: starch degradation V

HC vs. T1 adjusted $p = 3.7e-06$
 HC vs. T2 adjusted $p = 0.073$
 T1 vs. T2 adjusted $p = 0.019$



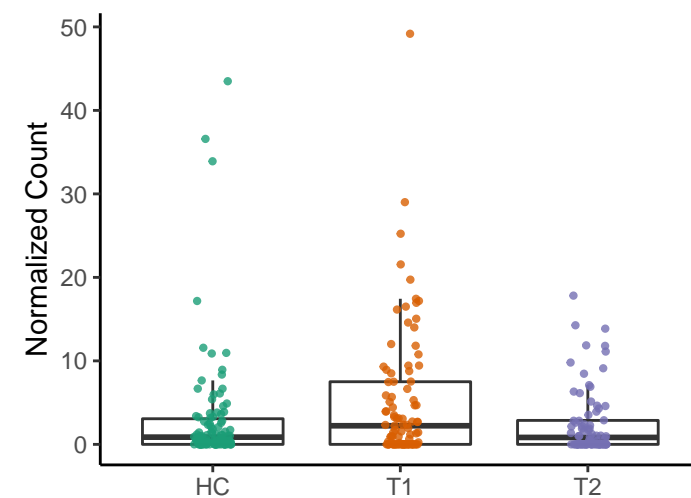
PWY-6969: TCA cycle V (2-oxoglutarate)

HC vs. T1 adjusted $p = 0.79$
 HC vs. T2 adjusted $p = 0.0041$
 T1 vs. T2 adjusted $p = 0.019$



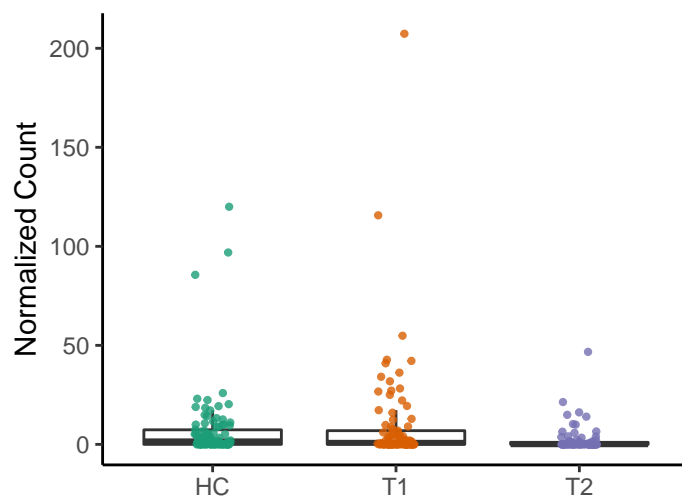
PWY-7328: superpathway of UDP-glucose

HC vs. T1 adjusted $p = 0.12$
 HC vs. T2 adjusted $p = 0.62$
 T1 vs. T2 adjusted $p = 0.019$



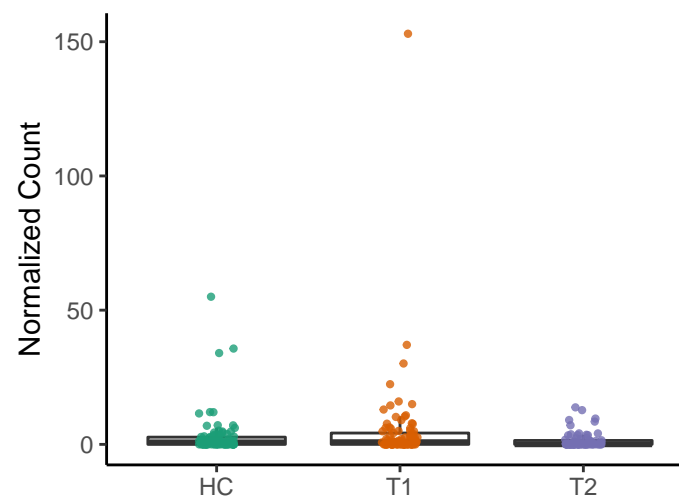
GLYCOLYSIS-TCA-GLYOX-BYPASS:

HC vs. T1 adjusted $p = 0.55$
 HC vs. T2 adjusted $p = 0.049$
 T1 vs. T2 adjusted $p = 0.019$



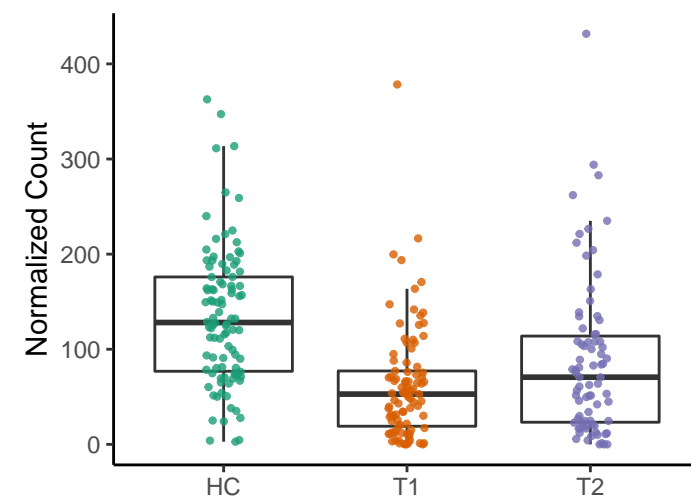
POLYISOPRENSYN-PWY: polyisopren

HC vs. T1 adjusted $p = 0.4$
 HC vs. T2 adjusted $p = 0.17$
 T1 vs. T2 adjusted $p = 0.019$



PWY-5177: glutaryl-CoA degradation

HC vs. T1 adjusted $p = 1.8e-10$
 HC vs. T2 adjusted $p = 0.0023$
 T1 vs. T2 adjusted $p = 0.019$

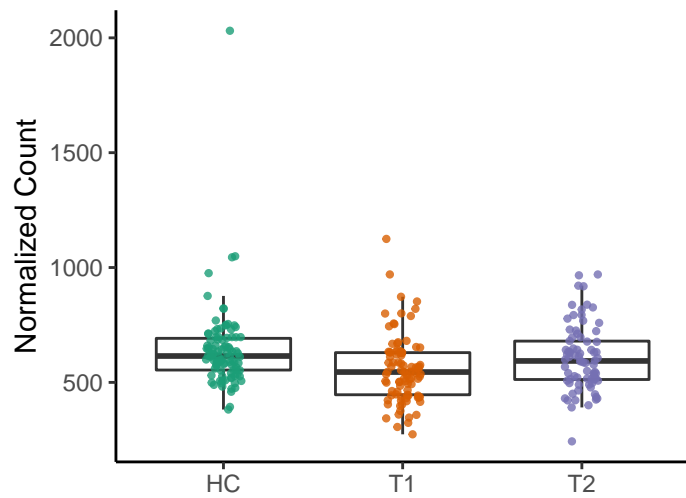


PWY-6121: 5-aminoimidazole ribonur

HC vs. T1 adjusted $p = 0.0019$

HC vs. T2 adjusted $p = 0.27$

T1 vs. T2 adjusted $p = 0.019$

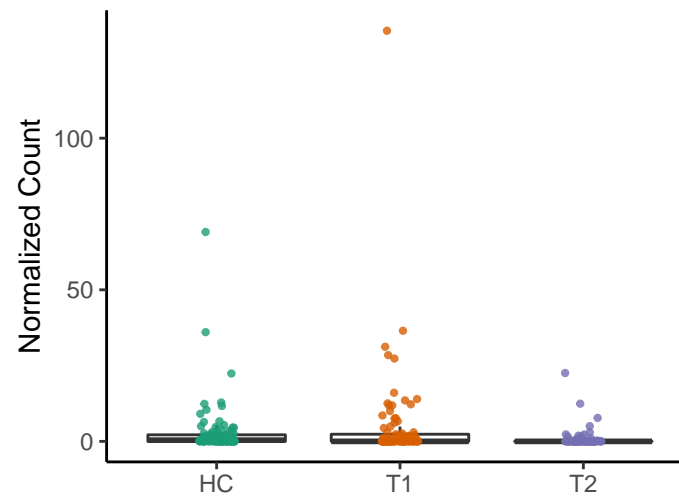


PWY-6803: phosphatidylcholine acyl e

HC vs. T1 adjusted $p = 0.44$

HC vs. T2 adjusted $p = 0.095$

T1 vs. T2 adjusted $p = 0.019$

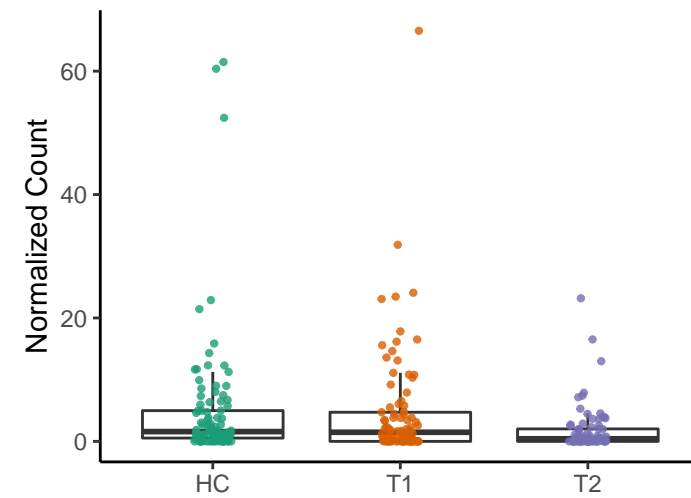


RED CITCYC: TCA cycle VIII (helicobact

HC vs. T1 adjusted $p = 0.87$

HC vs. T2 adjusted $p = 0.037$

T1 vs. T2 adjusted $p = 0.019$

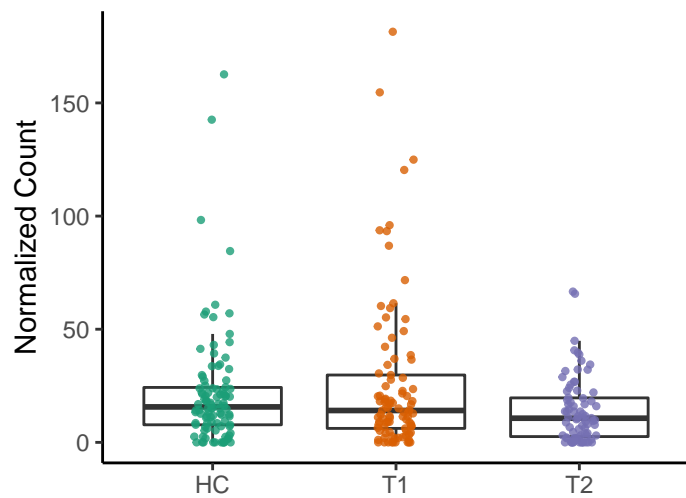


THISYN-PWY: superpathway of thiami

HC vs. T1 adjusted $p = 0.5$

HC vs. T2 adjusted $p = 0.052$

T1 vs. T2 adjusted $p = 0.019$

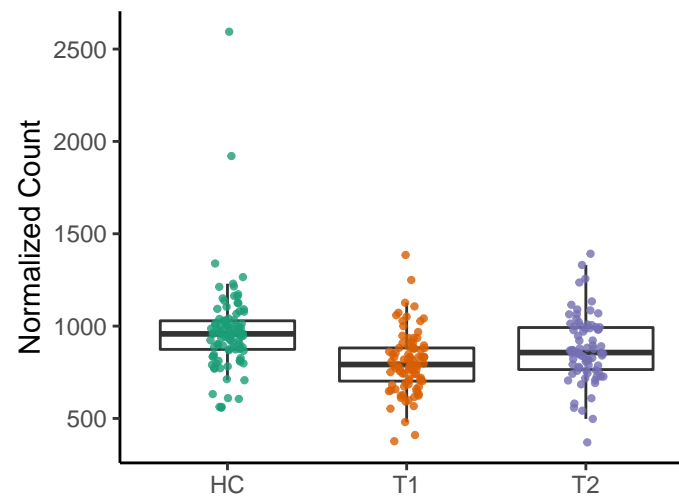


PWY-7219: adenosine ribonucleotide:

HC vs. T1 adjusted $p = 1.1e-06$

HC vs. T2 adjusted $p = 0.028$

T1 vs. T2 adjusted $p = 0.02$

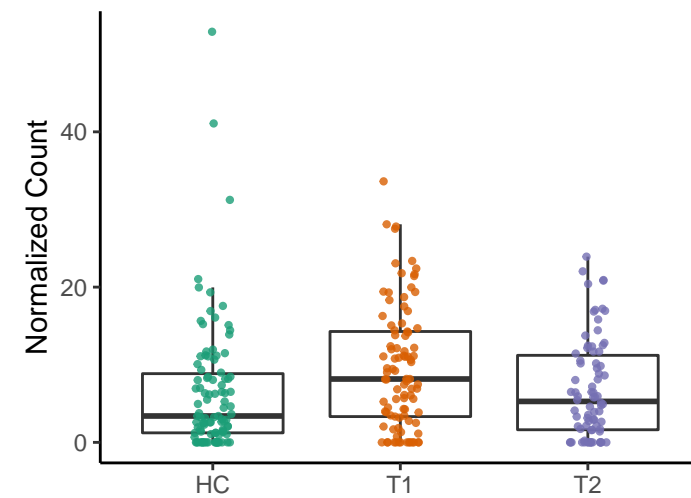


P162-PWY: L-glutamate degradation V

HC vs. T1 adjusted $p = 0.032$

HC vs. T2 adjusted $p = 0.9$

T1 vs. T2 adjusted $p = 0.021$

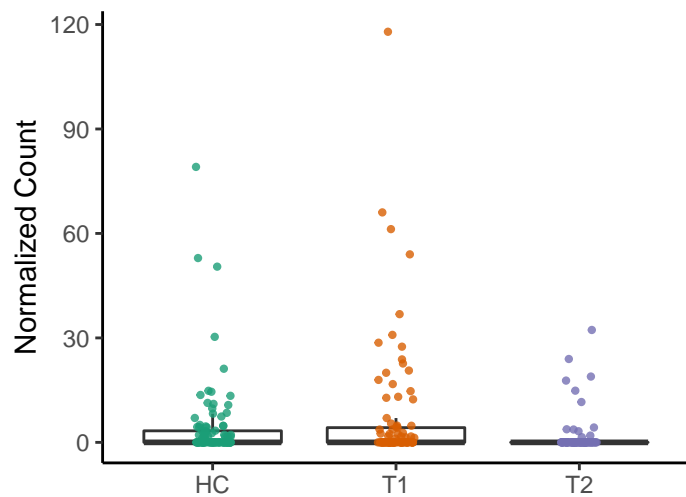


PWY-5860: superpathway of demethyl

HC vs. T1 adjusted $p = 0.36$

HC vs. T2 adjusted $p = 0.12$

T1 vs. T2 adjusted $p = 0.021$

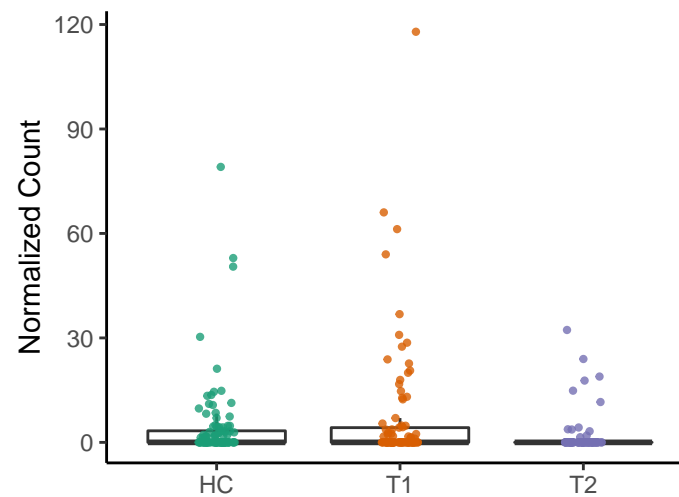


PWY-5862: superpathway of demethyl

HC vs. T1 adjusted $p = 0.36$

HC vs. T2 adjusted $p = 0.12$

T1 vs. T2 adjusted $p = 0.021$

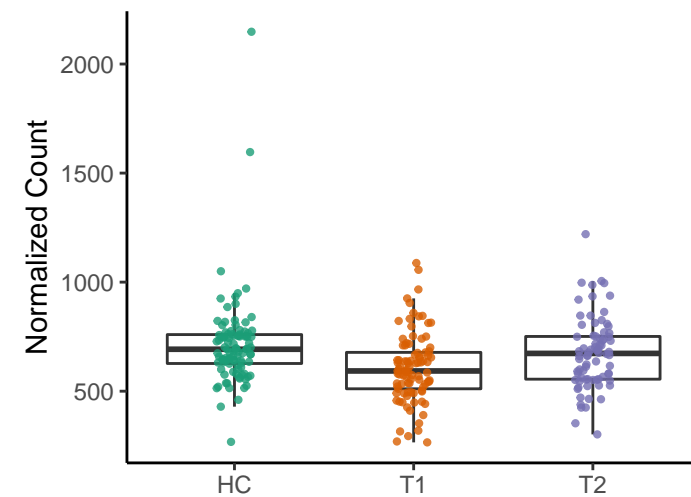


PWY-6387: UDP-N-acetylmuramoyl-

HC vs. T1 adjusted $p = 0.00065$

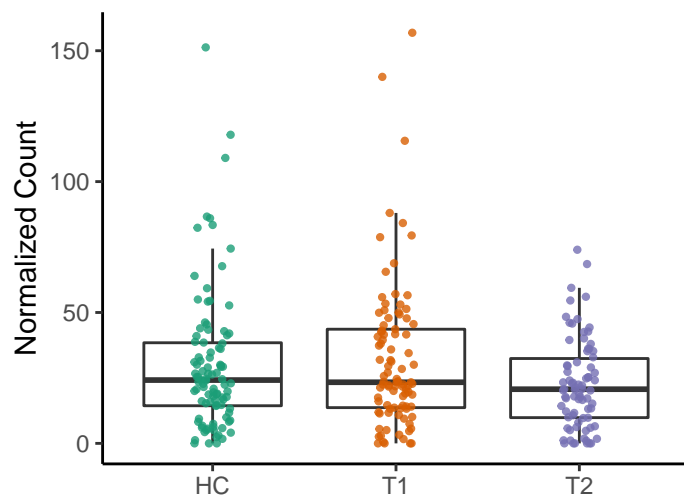
HC vs. T2 adjusted $p = 0.28$

T1 vs. T2 adjusted $p = 0.021$



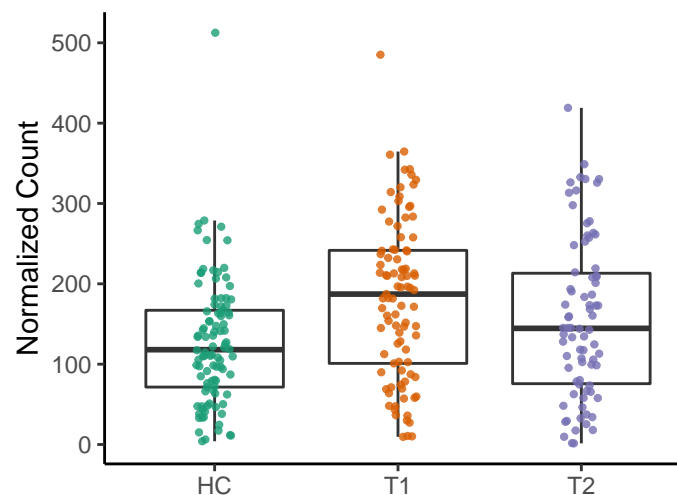
PWY-6901: superpathway of glucose α

HC vs. T1 adjusted $p = 0.68$
 HC vs. T2 adjusted $p = 0.093$
 T1 vs. T2 adjusted $p = 0.021$



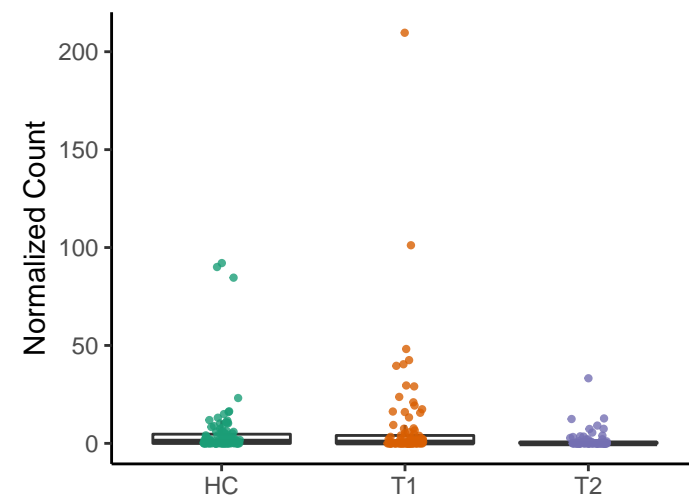
PWY-7663: gondoate biosynthesis (an

HC vs. T1 adjusted $p = 0.00022$
 HC vs. T2 adjusted $p = 0.096$
 T1 vs. T2 adjusted $p = 0.021$



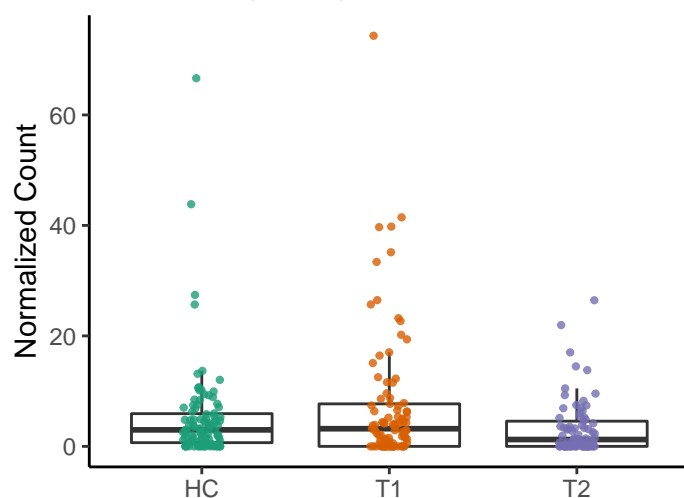
TCA-GLYOX-BYPASS: superpathway of

HC vs. T1 adjusted $p = 0.5$
 HC vs. T2 adjusted $p = 0.06$
 T1 vs. T2 adjusted $p = 0.021$



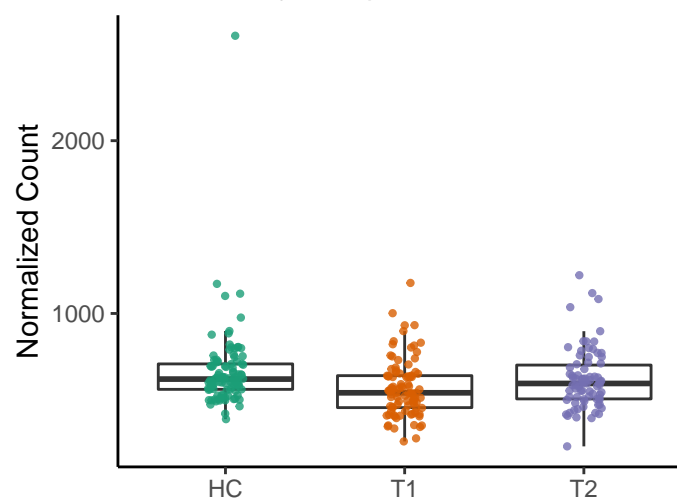
NAGLIPASYN-PWY: lipid IVA biosynthe

HC vs. T1 adjusted $p = 0.23$
 HC vs. T2 adjusted $p = 0.18$
 T1 vs. T2 adjusted $p = 0.021$



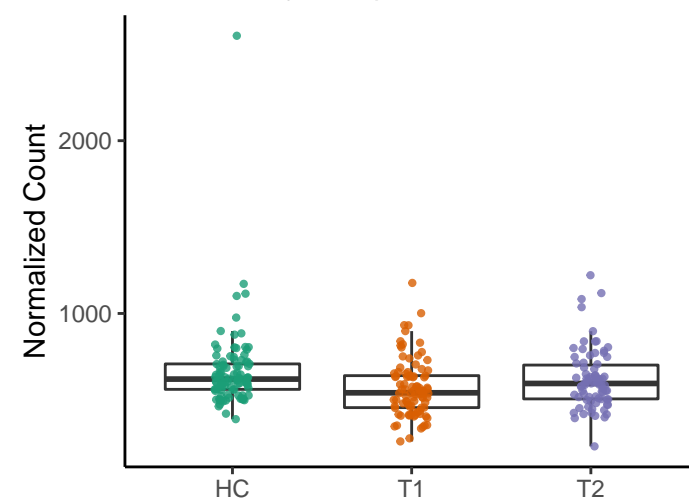
PWY-6122: 5-aminoimidazole ribonur

HC vs. T1 adjusted $p = 0.0055$
 HC vs. T2 adjusted $p = 0.26$
 T1 vs. T2 adjusted $p = 0.021$



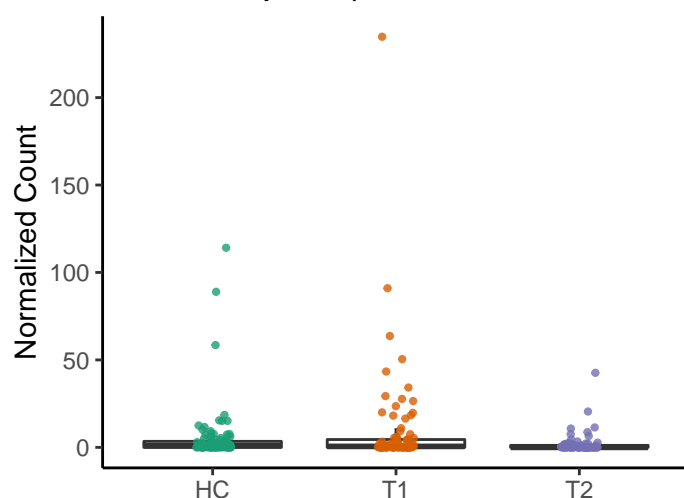
PWY-6277: superpathway of 5-amino

HC vs. T1 adjusted $p = 0.0055$
 HC vs. T2 adjusted $p = 0.26$
 T1 vs. T2 adjusted $p = 0.021$



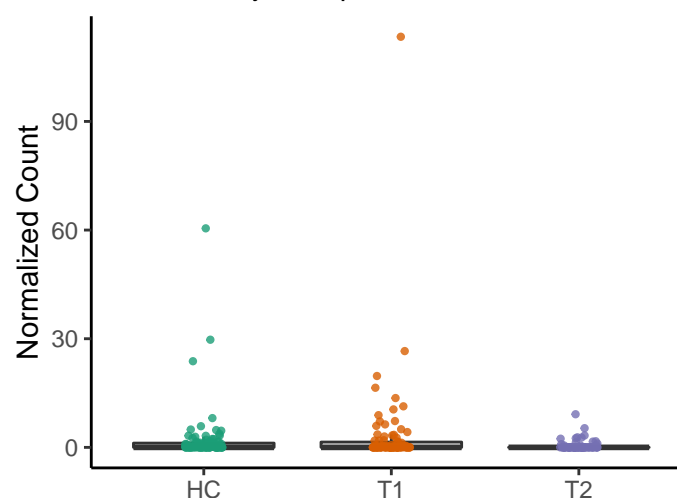
PWY-5083: NAD/NADH phosphorylati

HC vs. T1 adjusted $p = 0.38$
 HC vs. T2 adjusted $p = 0.14$
 T1 vs. T2 adjusted $p = 0.021$



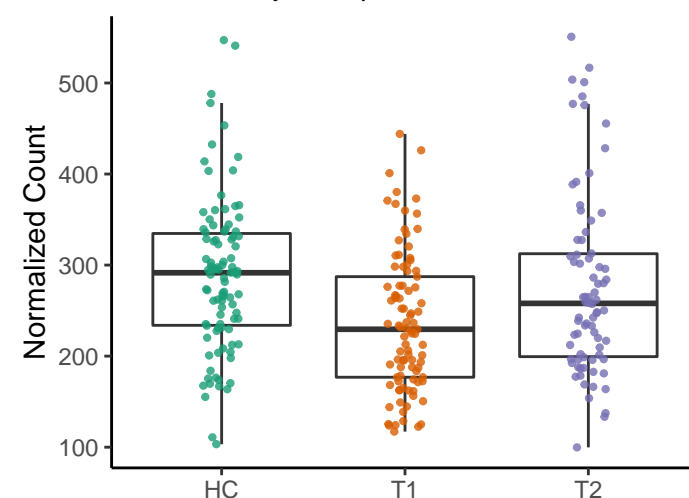
UBISYN-PWY: superpathway of ubiquir

HC vs. T1 adjusted $p = 0.55$
 HC vs. T2 adjusted $p = 0.12$
 T1 vs. T2 adjusted $p = 0.021$



PWY-6609: adenine and adenosine sa

HC vs. T1 adjusted $p = 8.6e-05$
 HC vs. T2 adjusted $p = 0.49$
 T1 vs. T2 adjusted $p = 0.022$

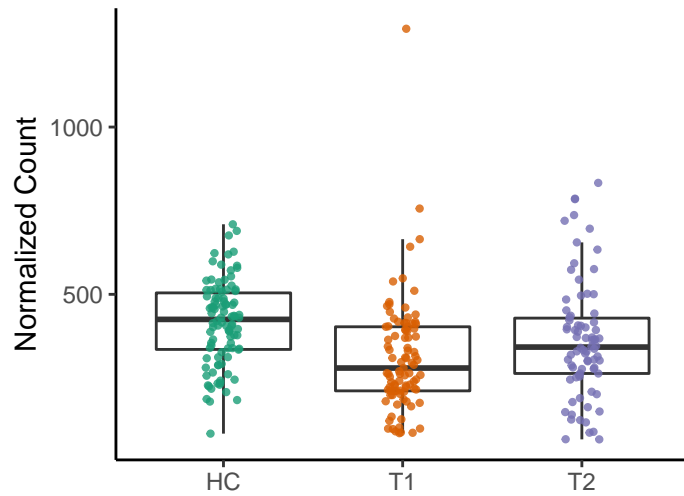


NONOXIPENT-PWY: pentose phosph

HC vs. T1 adjusted $p = 3.5e-05$

HC vs. T2 adjusted $p = 0.093$

T1 vs. T2 adjusted $p = 0.022$

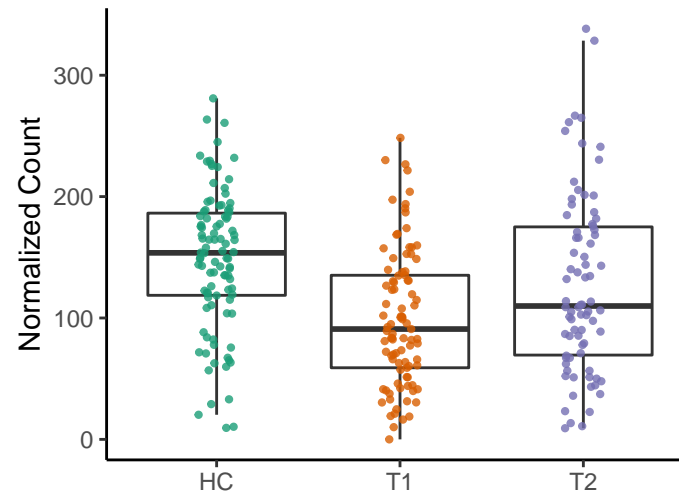


PWY-7199: pyrimidine deoxyribonucle

HC vs. T1 adjusted $p = 1.8e-07$

HC vs. T2 adjusted $p = 0.11$

T1 vs. T2 adjusted $p = 0.022$

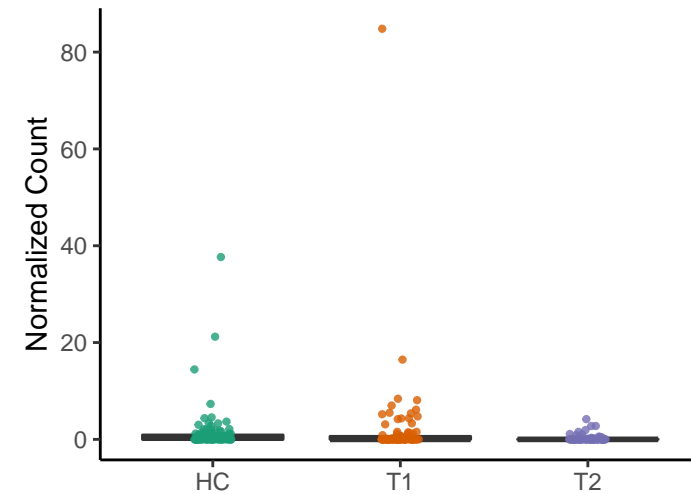


PWY-5705: allantoin degradation to gly

HC vs. T1 adjusted $p = 0.69$

HC vs. T2 adjusted $p = 0.057$

T1 vs. T2 adjusted $p = 0.023$

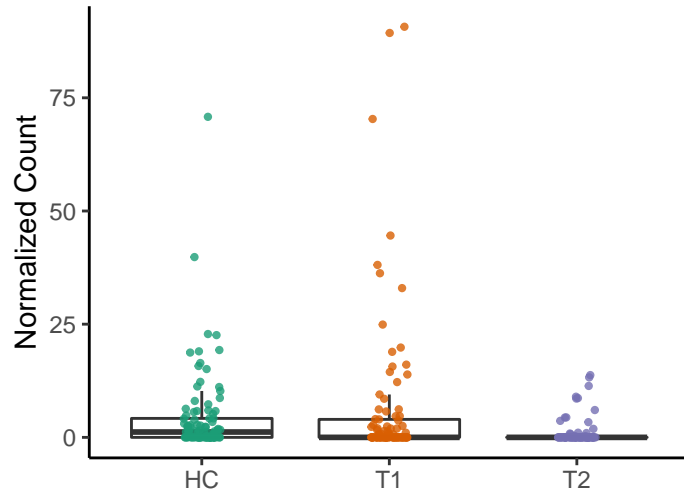


PWY-7204: pyridoxal 5'-phosphate sal

HC vs. T1 adjusted $p = 0.39$

HC vs. T2 adjusted $p = 0.019$

T1 vs. T2 adjusted $p = 0.023$

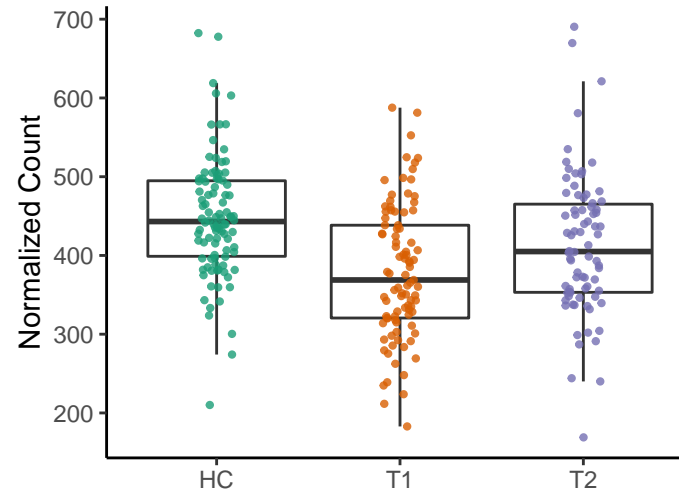


PWY-724: superpathway of L-lysine, L

HC vs. T1 adjusted $p = 2.6e-07$

HC vs. T2 adjusted $p = 0.041$

T1 vs. T2 adjusted $p = 0.024$

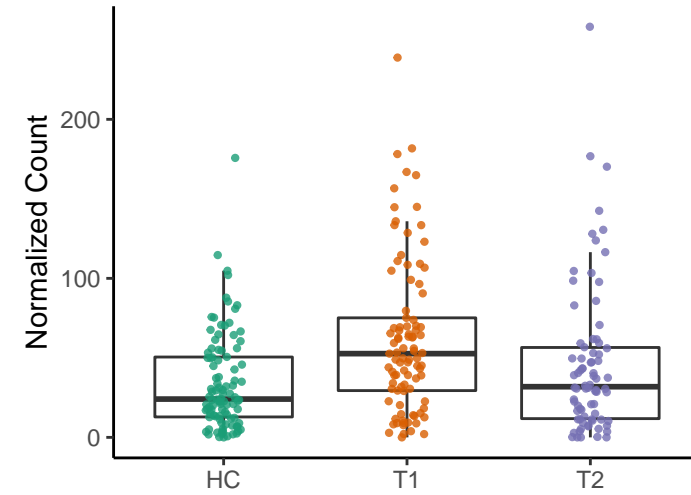


PWY-1269: CMP-3-deoxy-D-manno

HC vs. T1 adjusted $p = 4e-05$

HC vs. T2 adjusted $p = 0.14$

T1 vs. T2 adjusted $p = 0.025$

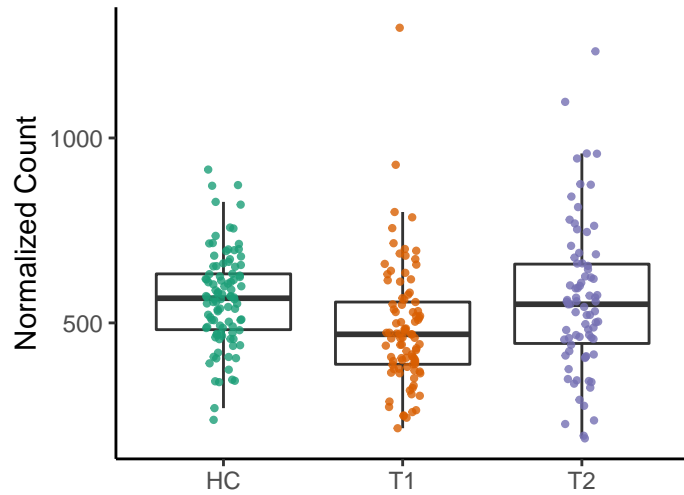


PWY-1042: glycolysis IV (plant cytos

HC vs. T1 adjusted $p = 0.0013$

HC vs. T2 adjusted $p = 0.96$

T1 vs. T2 adjusted $p = 0.027$

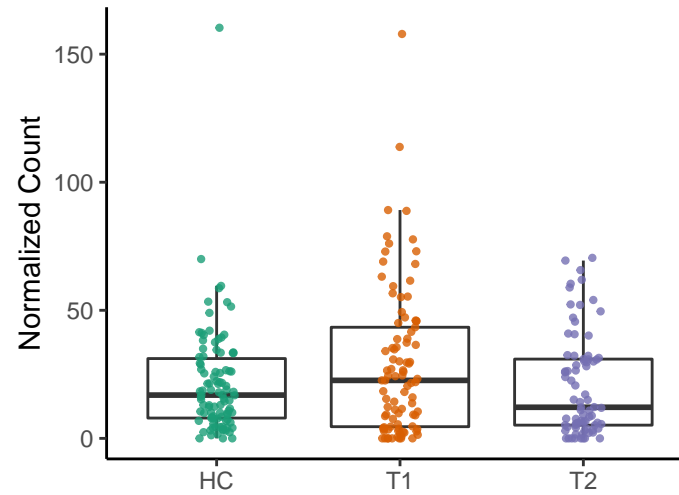


GLUCONEO-PWY: gluconeogenesis I

HC vs. T1 adjusted $p = 0.11$

HC vs. T2 adjusted $p = 0.82$

T1 vs. T2 adjusted $p = 0.027$

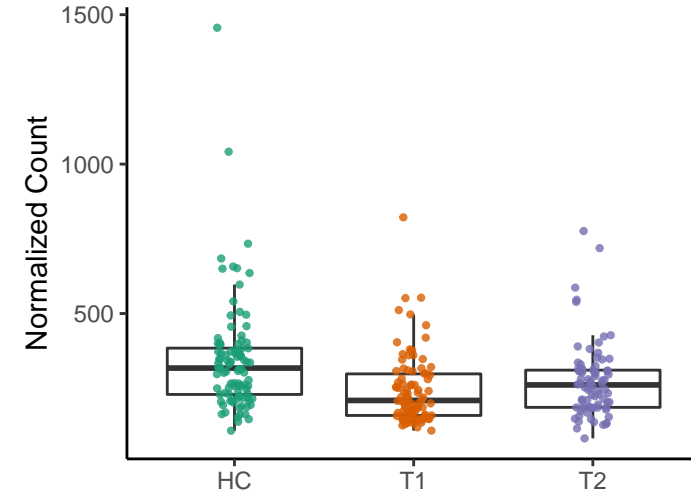


HISTSYN-PWY: L-histidine biosynthe

HC vs. T1 adjusted $p = 0.00011$

HC vs. T2 adjusted $p = 0.025$

T1 vs. T2 adjusted $p = 0.027$

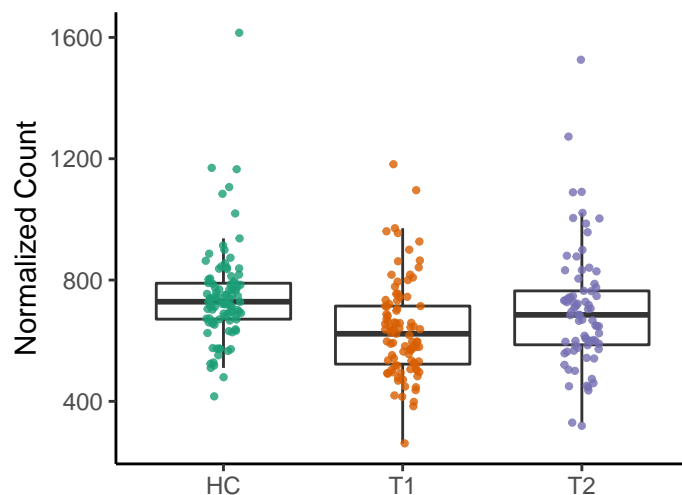


ILEUSYN-PWY: L-isoleucine biosyntf

HC vs. T1 adjusted $p = 3.4e-05$

HC vs. T2 adjusted $p = 0.23$

T1 vs. T2 adjusted $p = 0.027$

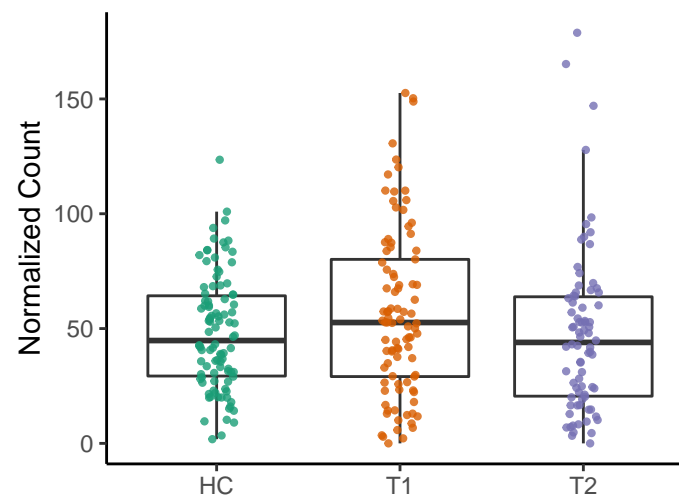


P42-PWY: incomplete reductive TCA c

HC vs. T1 adjusted $p = 0.12$

HC vs. T2 adjusted $p = 0.93$

T1 vs. T2 adjusted $p = 0.027$

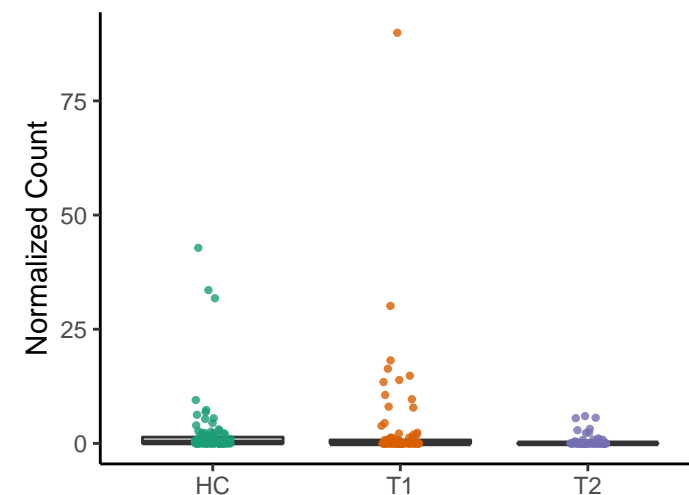


PWY-2723: trehalose degradation V

HC vs. T1 adjusted $p = 0.65$

HC vs. T2 adjusted $p = 0.064$

T1 vs. T2 adjusted $p = 0.027$

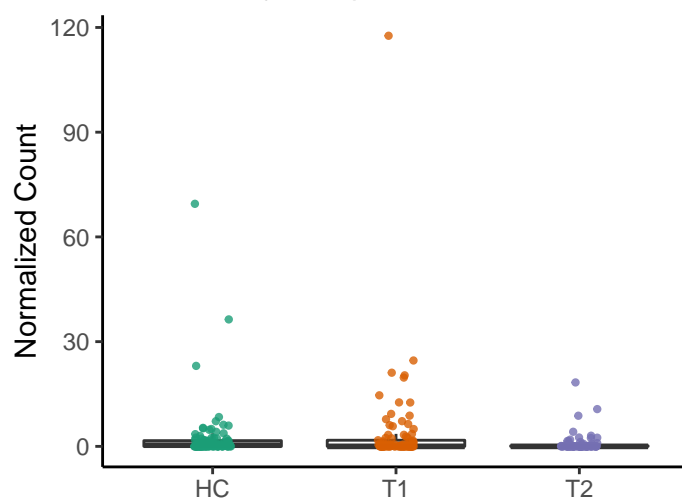


PWY-5855: ubiquinol-7 biosynthesis (

HC vs. T1 adjusted $p = 0.55$

HC vs. T2 adjusted $p = 0.17$

T1 vs. T2 adjusted $p = 0.027$

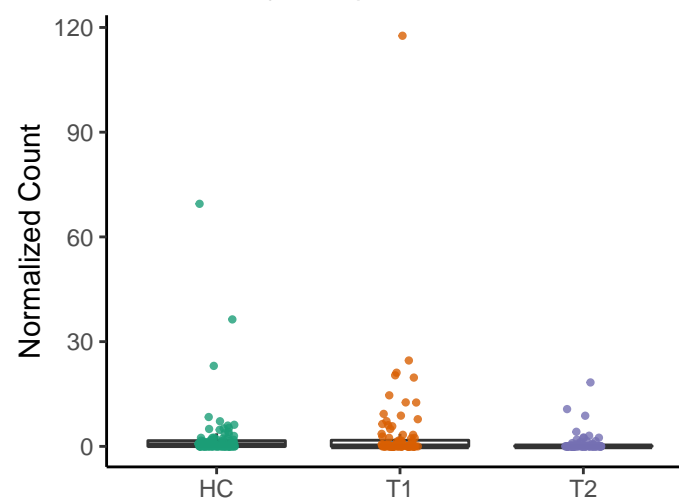


PWY-5856: ubiquinol-9 biosynthesis (

HC vs. T1 adjusted $p = 0.55$

HC vs. T2 adjusted $p = 0.17$

T1 vs. T2 adjusted $p = 0.027$

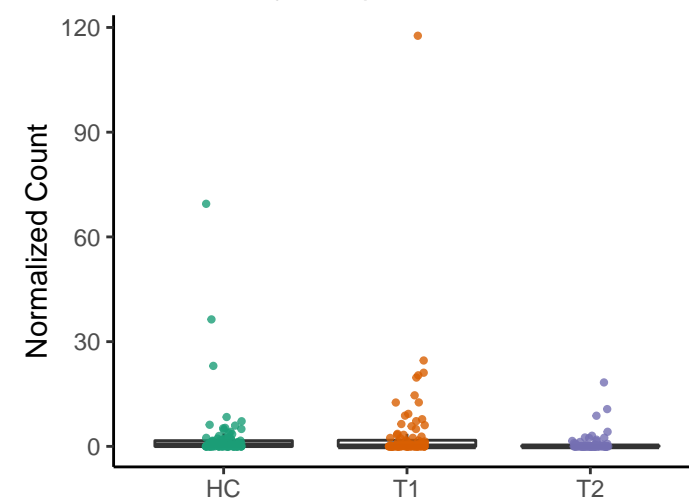


PWY-5857: ubiquinol-10 biosynthesis

HC vs. T1 adjusted $p = 0.55$

HC vs. T2 adjusted $p = 0.17$

T1 vs. T2 adjusted $p = 0.027$

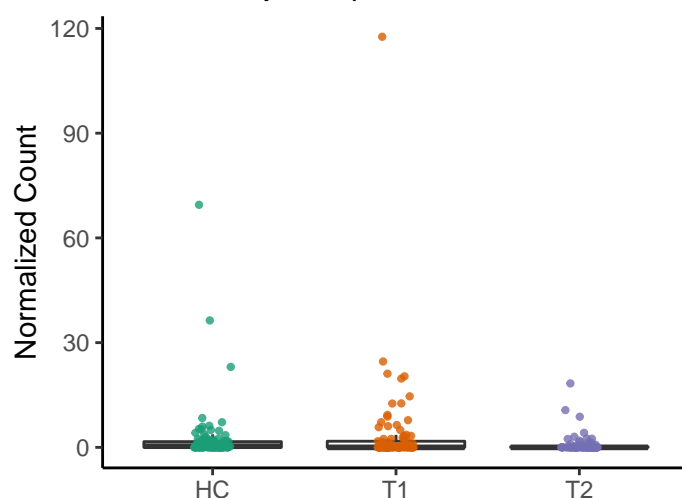


PWY-6708: ubiquinol-8 biosynthesis (

HC vs. T1 adjusted $p = 0.55$

HC vs. T2 adjusted $p = 0.17$

T1 vs. T2 adjusted $p = 0.027$

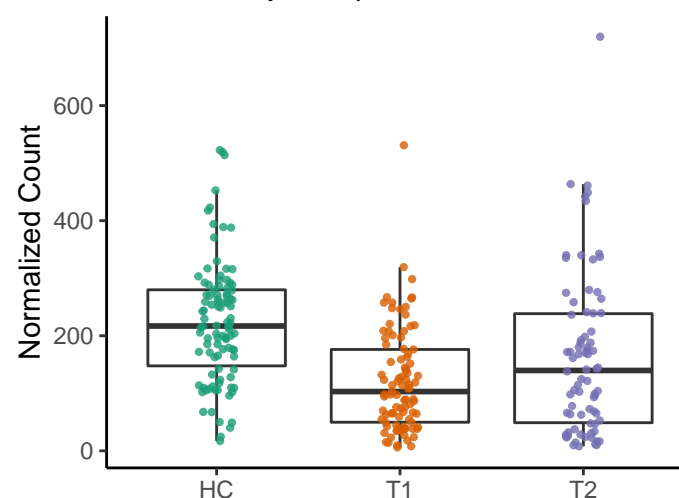


PWY-7242: D-fructuronate degradatio

HC vs. T1 adjusted $p = 9.7e-10$

HC vs. T2 adjusted $p = 0.019$

T1 vs. T2 adjusted $p = 0.027$

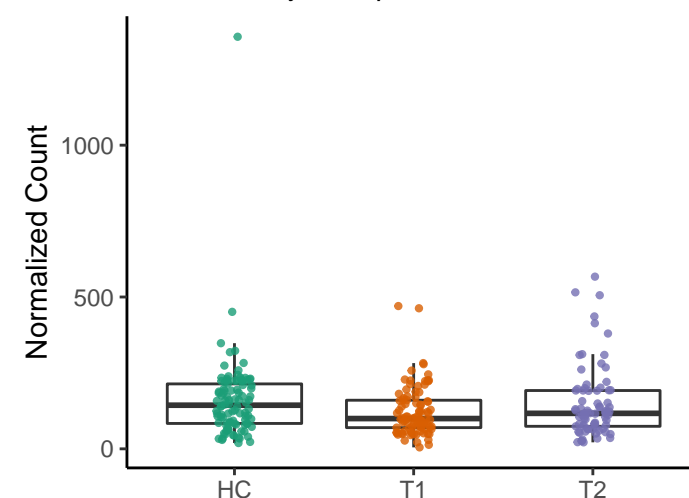


PWY0-1586: peptidoglycan maturation

HC vs. T1 adjusted $p = 0.069$

HC vs. T2 adjusted $p = 0.7$

T1 vs. T2 adjusted $p = 0.027$

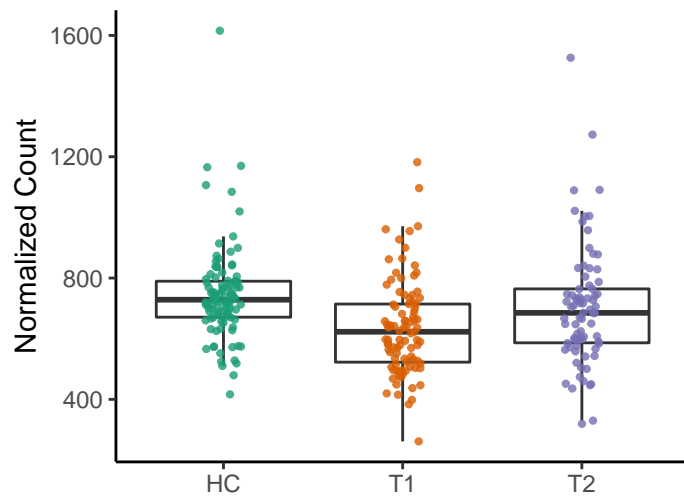


VALSYN-PWY: L-valine biosynthesis

HC vs. T1 adjusted $p = 3.4e-05$

HC vs. T2 adjusted $p = 0.23$

T1 vs. T2 adjusted $p = 0.027$

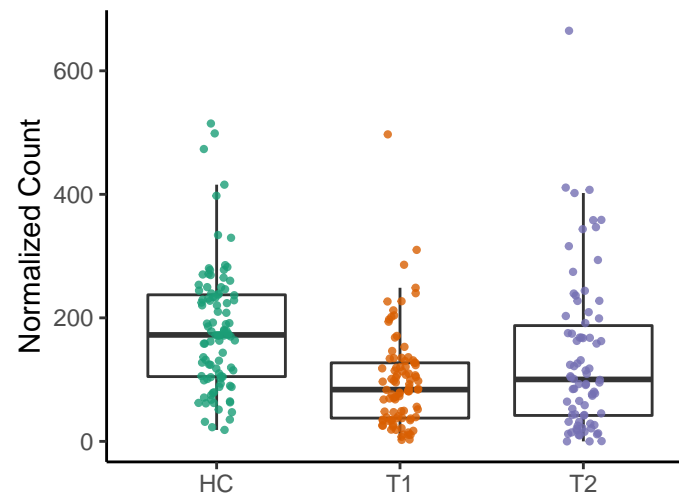


GALACTUROCAT-PWY: D-galacturon

HC vs. T1 adjusted $p = 1.9e-08$

HC vs. T2 adjusted $p = 0.045$

T1 vs. T2 adjusted $p = 0.029$

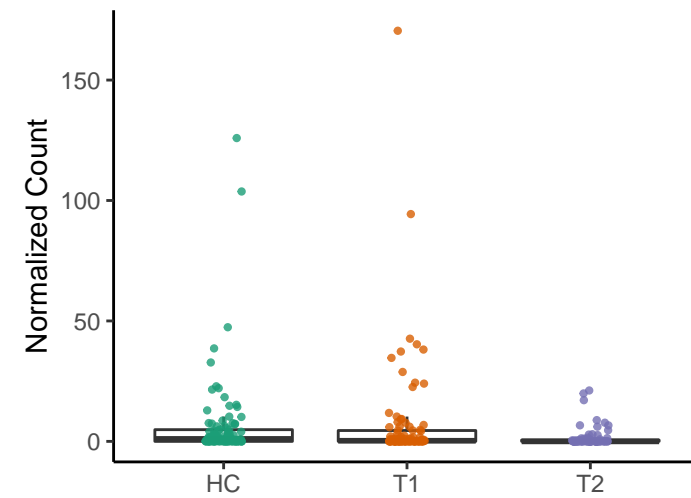


GLUCOSE1PMETAB-PWY: glucose an

HC vs. T1 adjusted $p = 0.86$

HC vs. T2 adjusted $p = 0.041$

T1 vs. T2 adjusted $p = 0.029$

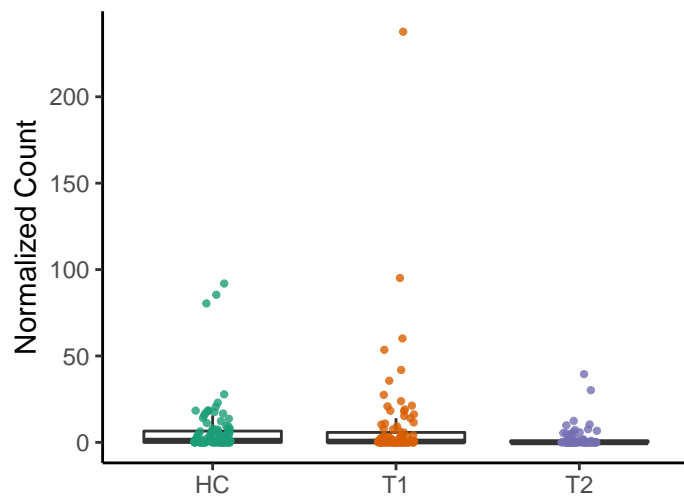


P105-PWY: TCA cycle IV (2-oxoglutar

HC vs. T1 adjusted $p = 0.58$

HC vs. T2 adjusted $p = 0.047$

T1 vs. T2 adjusted $p = 0.029$

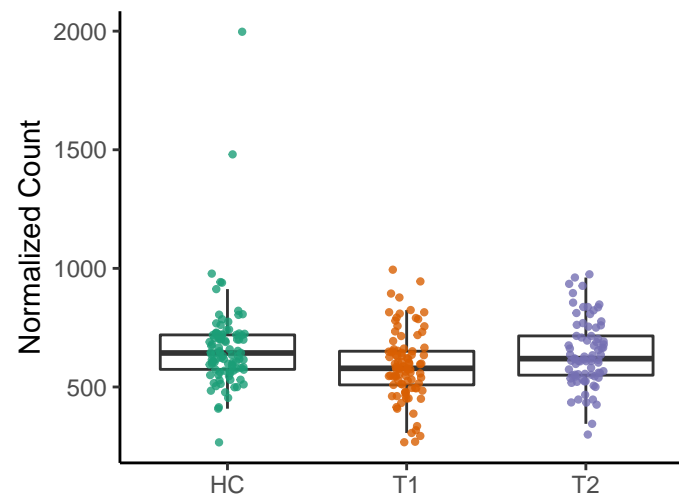


PEPTIDOGLYCANSYN-PWY: peptido

HC vs. T1 adjusted $p = 0.0067$

HC vs. T2 adjusted $p = 0.43$

T1 vs. T2 adjusted $p = 0.029$

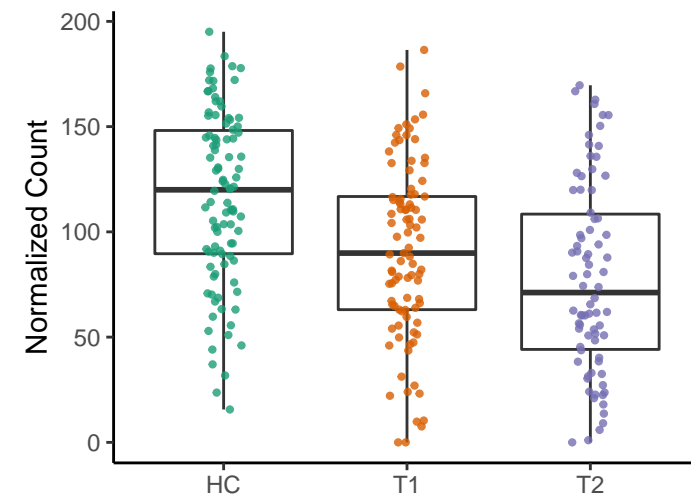


PRPP-PWY: superpathway of histidine

HC vs. T1 adjusted $p = 0.00022$

HC vs. T2 adjusted $p = 3.9e-06$

T1 vs. T2 adjusted $p = 0.029$

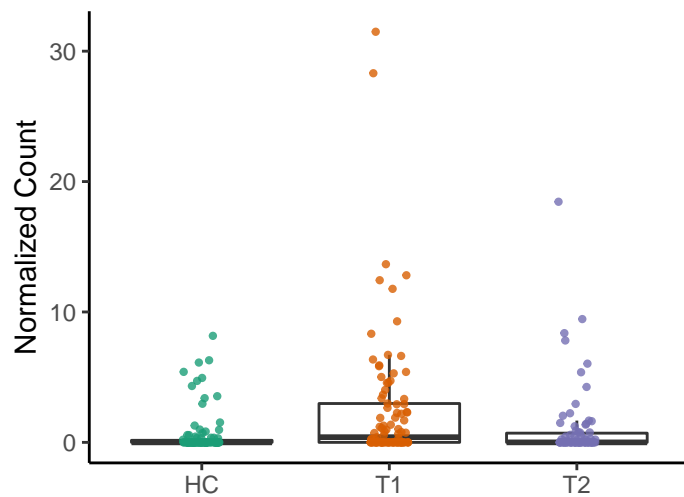


7ALPHADEHYDROX-PWY: cholate deg

HC vs. T1 adjusted $p = 0.0021$

HC vs. T2 adjusted $p = 0.33$

T1 vs. T2 adjusted $p = 0.03$

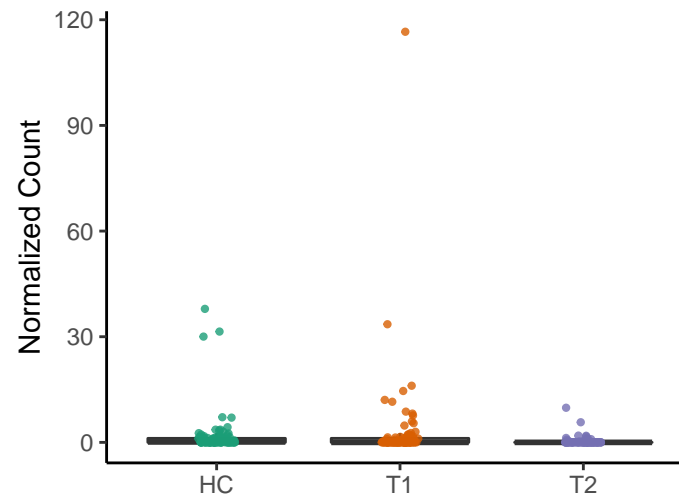


GLYCOL-GLYOXDEG-PWY: superpat

HC vs. T1 adjusted $p = 0.53$

HC vs. T2 adjusted $p = 0.089$

T1 vs. T2 adjusted $p = 0.03$

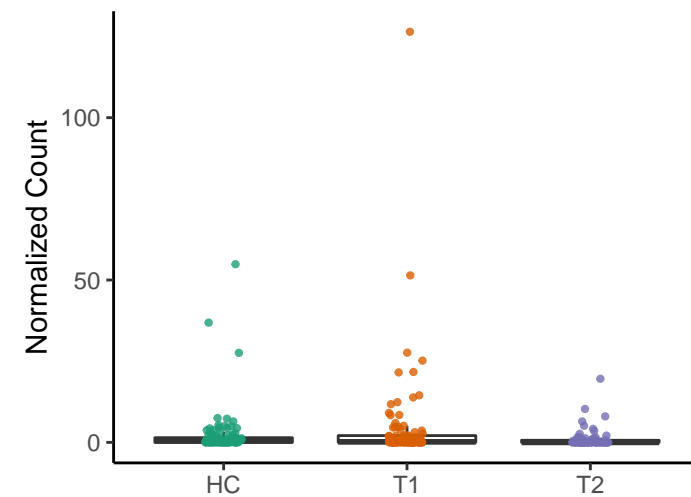


PWY0-1241: ADP-L-glycero-β-

HC vs. T1 adjusted $p = 0.33$

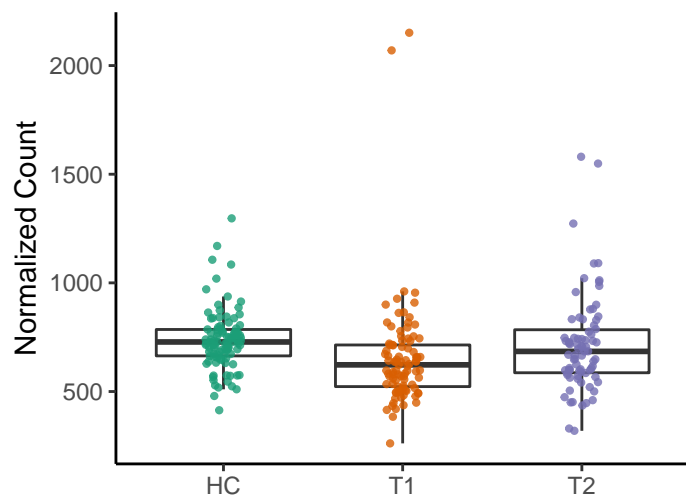
HC vs. T2 adjusted $p = 0.18$

T1 vs. T2 adjusted $p = 0.03$



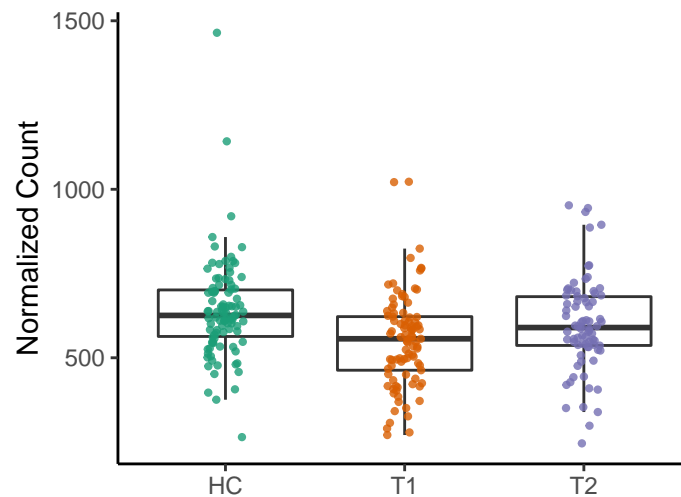
PWY-7111: pyruvate fermentation to i

HC vs. T1 adjusted $p = 0.028$
 HC vs. T2 adjusted $p = 0.58$
 T1 vs. T2 adjusted $p = 0.031$



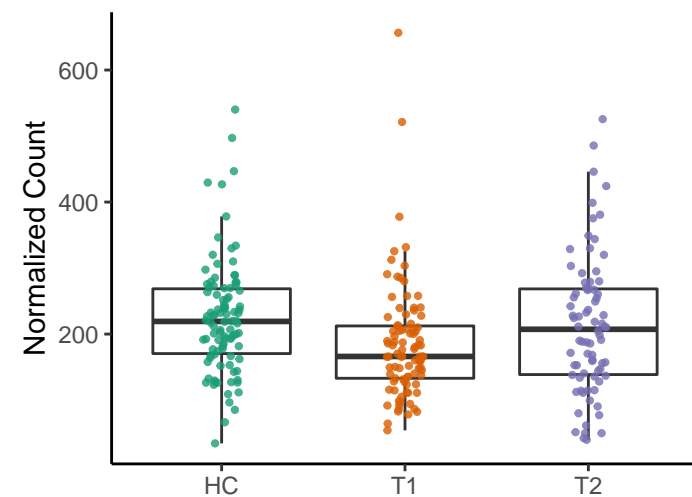
COA-PWY-1: coenzyme A biosynthe

HC vs. T1 adjusted $p = 0.00022$
 HC vs. T2 adjusted $p = 0.13$
 T1 vs. T2 adjusted $p = 0.033$



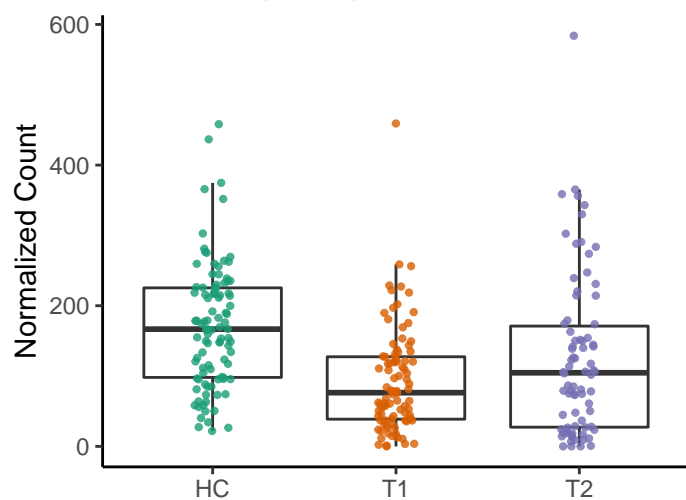
COA-PWY: coenzyme A biosynthesis I

HC vs. T1 adjusted $p = 0.0084$
 HC vs. T2 adjusted $p = 0.56$
 T1 vs. T2 adjusted $p = 0.033$



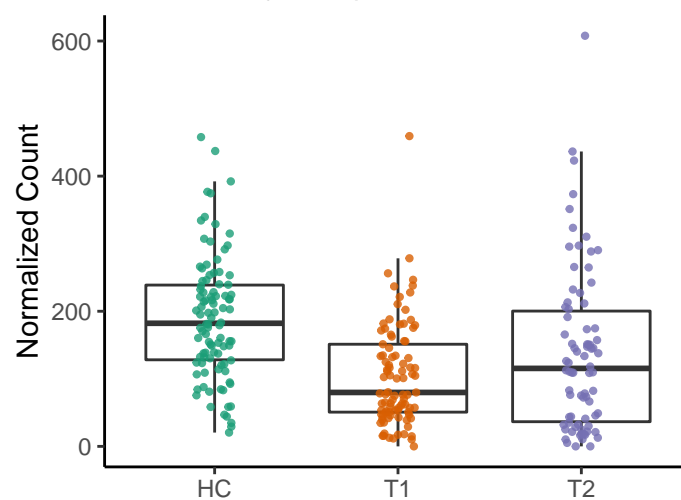
GALACT-GLUCUROCAT-PWY: super

HC vs. T1 adjusted $p = 9.2e-09$
 HC vs. T2 adjusted $p = 0.028$
 T1 vs. T2 adjusted $p = 0.033$



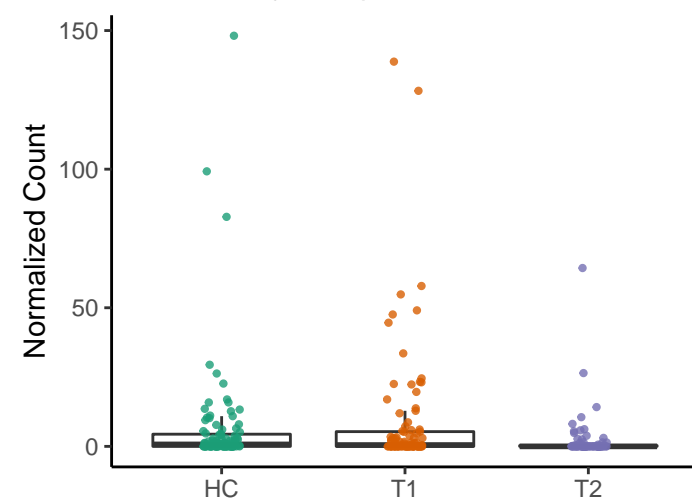
GLUCUROCAT-PWY: superpathway o

HC vs. T1 adjusted $p = 2.4e-09$
 HC vs. T2 adjusted $p = 0.021$
 T1 vs. T2 adjusted $p = 0.033$



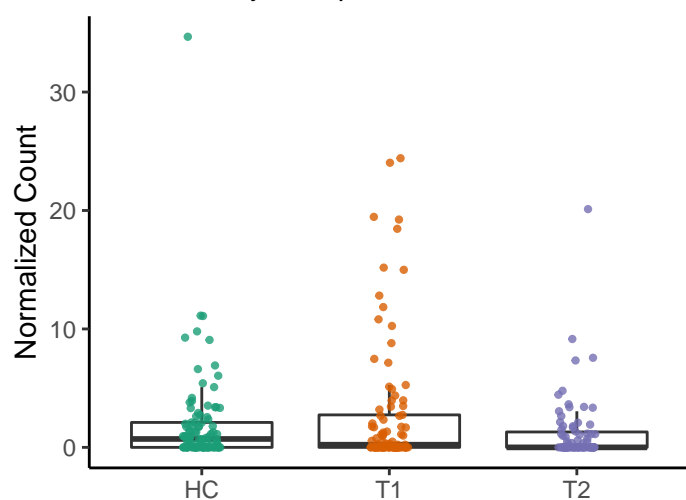
PWY-5723: Rubisco shunt

HC vs. T1 adjusted $p = 0.55$
 HC vs. T2 adjusted $p = 0.12$
 T1 vs. T2 adjusted $p = 0.033$



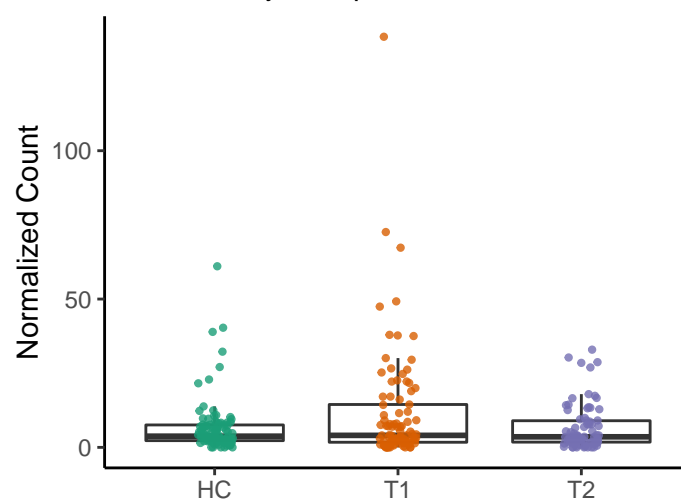
PWY0-1415: superpathway of heme bic

HC vs. T1 adjusted $p = 0.31$
 HC vs. T2 adjusted $p = 0.28$
 T1 vs. T2 adjusted $p = 0.033$



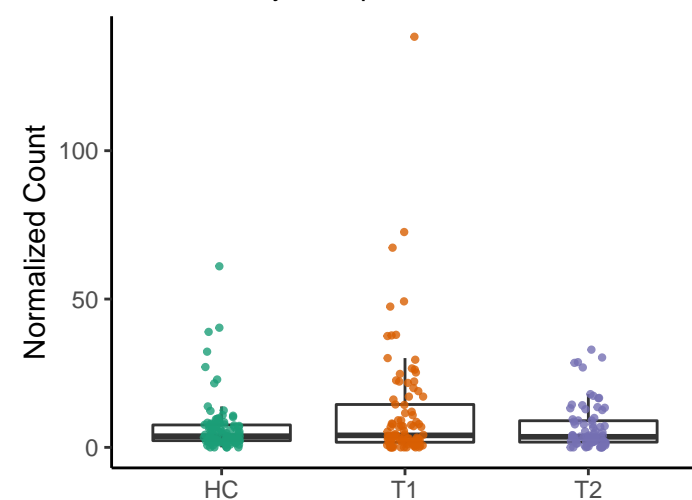
PWY-5791: 1,4-dihydroxy-2-naphtho

HC vs. T1 adjusted $p = 0.055$
 HC vs. T2 adjusted $p = 0.97$
 T1 vs. T2 adjusted $p = 0.037$



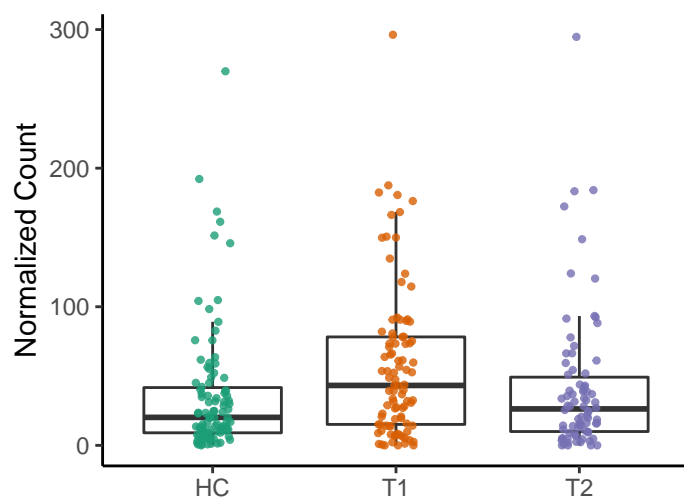
PWY-5837: 1,4-dihydroxy-2-naphtho

HC vs. T1 adjusted $p = 0.055$
 HC vs. T2 adjusted $p = 0.97$
 T1 vs. T2 adjusted $p = 0.037$



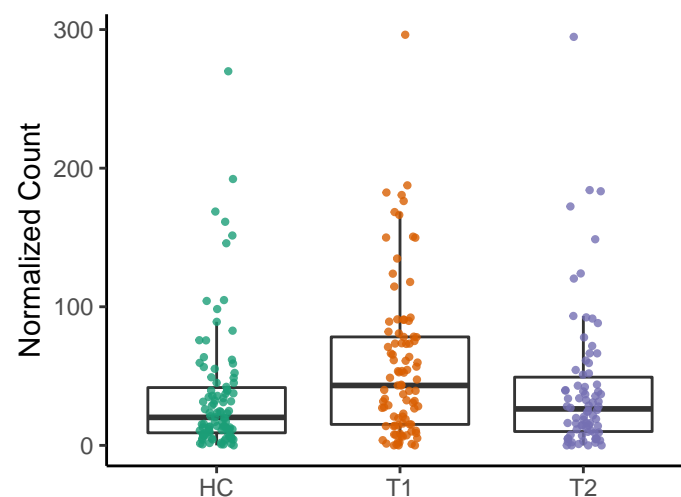
PWY4FS-7: phosphatidylglycerol biosy

HC vs. T1 adjusted $p = 0.012$
HC vs. T2 adjusted $p = 0.58$
T1 vs. T2 adjusted $p = 0.039$



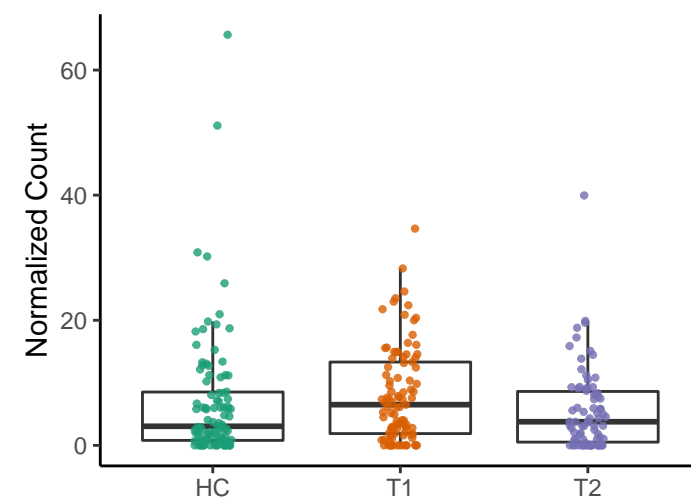
PWY4FS-8: phosphatidylglycerol biosy

HC vs. T1 adjusted $p = 0.012$
HC vs. T2 adjusted $p = 0.58$
T1 vs. T2 adjusted $p = 0.039$



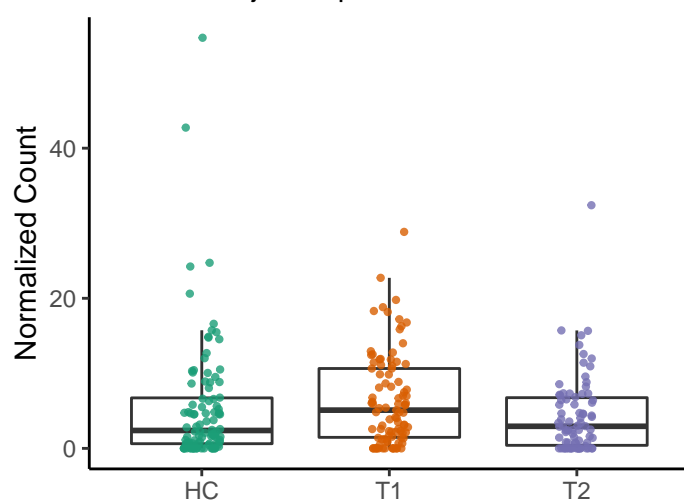
PWY-6590: superpathway of Clostridium

HC vs. T1 adjusted $p = 0.48$
HC vs. T2 adjusted $p = 0.43$
T1 vs. T2 adjusted $p = 0.041$



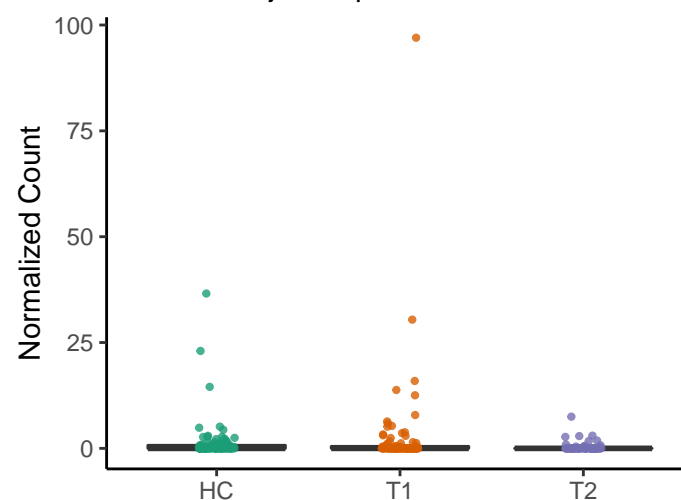
CENTFERM-PWY: pyruvate fermentatic

HC vs. T1 adjusted $p = 0.5$
HC vs. T2 adjusted $p = 0.43$
T1 vs. T2 adjusted $p = 0.041$



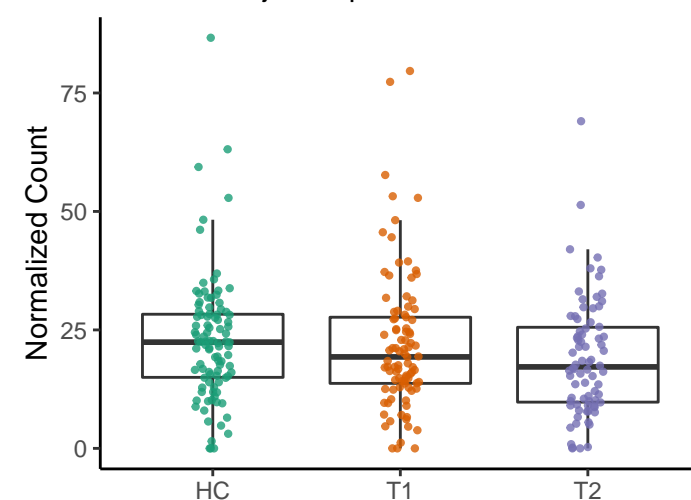
KDO-NAGLIPASYN-PWY: superpathw

HC vs. T1 adjusted $p = 0.47$
HC vs. T2 adjusted $p = 0.11$
T1 vs. T2 adjusted $p = 0.041$



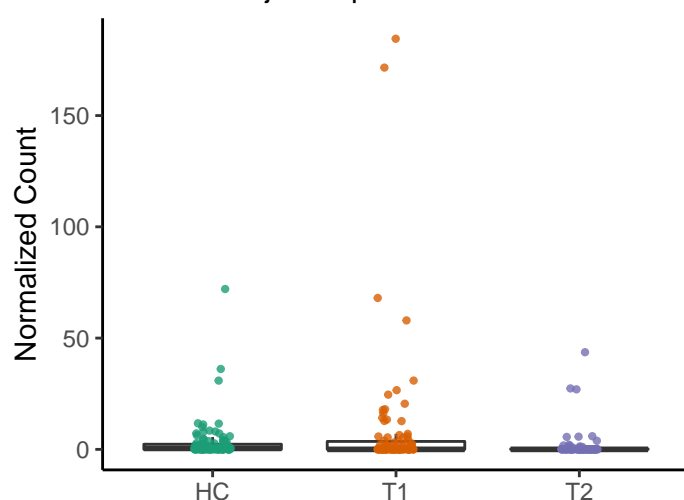
P164-PWY: purine nucleobases degrad

HC vs. T1 adjusted $p = 0.79$
HC vs. T2 adjusted $p = 0.12$
T1 vs. T2 adjusted $p = 0.041$



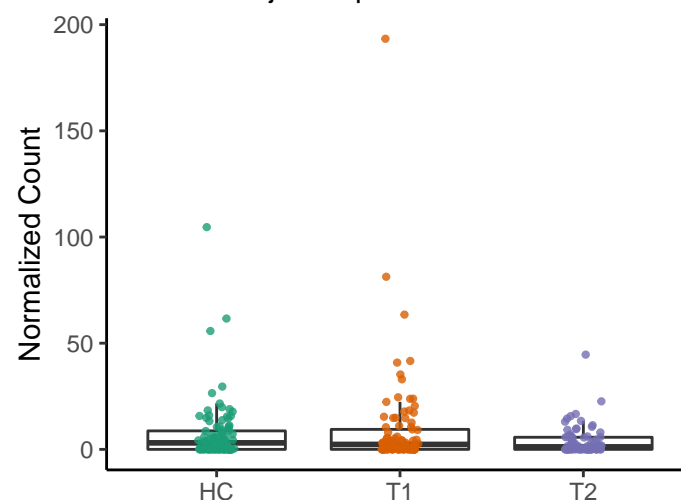
PWY-4041: γ-glutamyl cycle

HC vs. T1 adjusted $p = 0.17$
HC vs. T2 adjusted $p = 0.35$
T1 vs. T2 adjusted $p = 0.041$



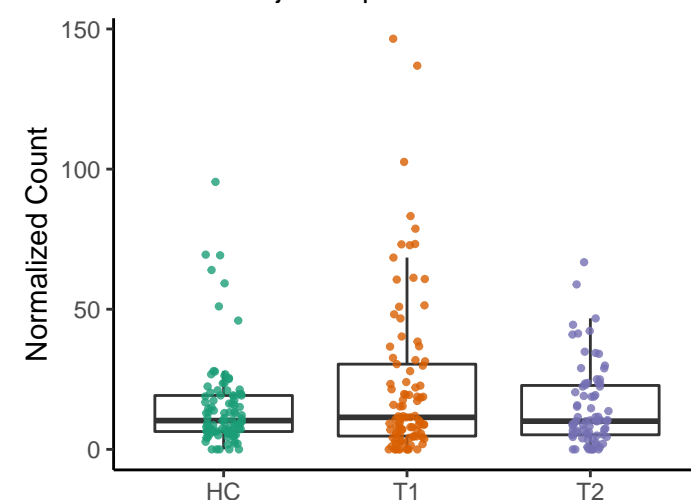
FUC-RHAMCAT-PWY: superpathway

HC vs. T1 adjusted $p = 0.55$
HC vs. T2 adjusted $p = 0.096$
T1 vs. T2 adjusted $p = 0.042$



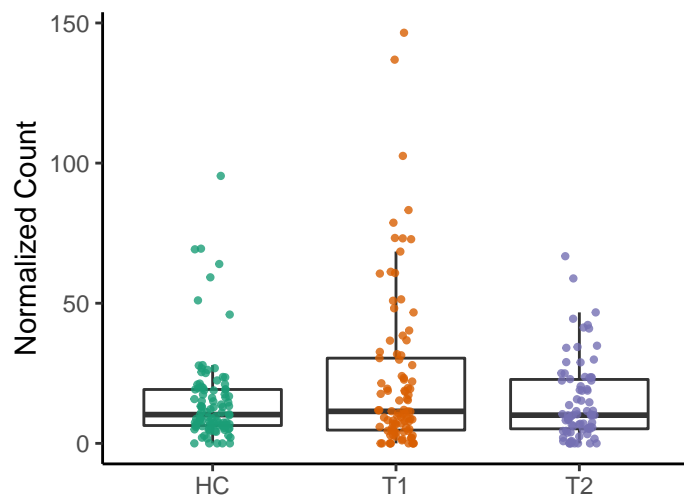
PWY-5897: superpathway of menaquin

HC vs. T1 adjusted $p = 0.056$
HC vs. T2 adjusted $p = 0.93$
T1 vs. T2 adjusted $p = 0.042$



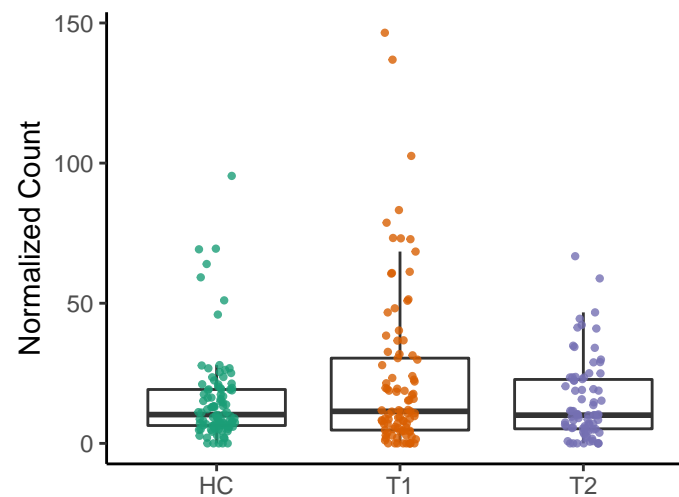
PWY-5898: superpathway of menaquin

HC vs. T1 adjusted $p = 0.056$
 HC vs. T2 adjusted $p = 0.93$
 T1 vs. T2 adjusted $p = 0.042$



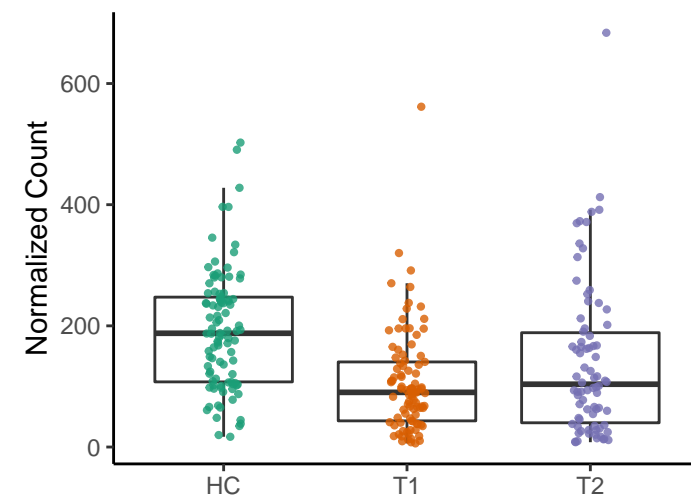
PWY-5899: superpathway of menaquin

HC vs. T1 adjusted $p = 0.056$
 HC vs. T2 adjusted $p = 0.93$
 T1 vs. T2 adjusted $p = 0.042$



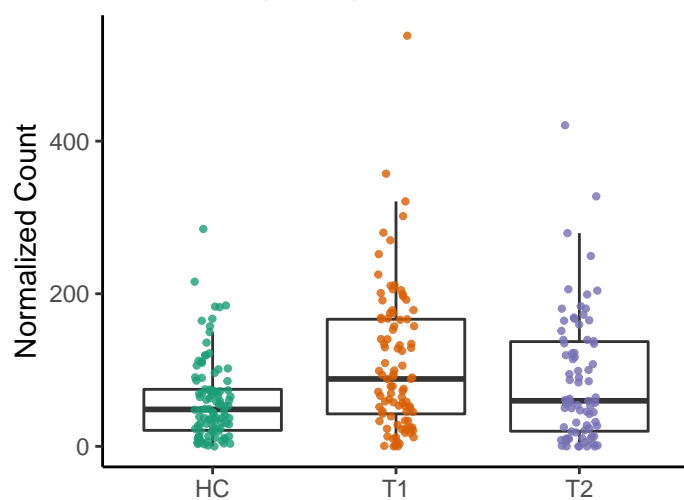
PWY-6507: 4-deoxy-L-threo-hex-4-

HC vs. T1 adjusted $p = 1.8e-08$
 HC vs. T2 adjusted $p = 0.024$
 T1 vs. T2 adjusted $p = 0.042$



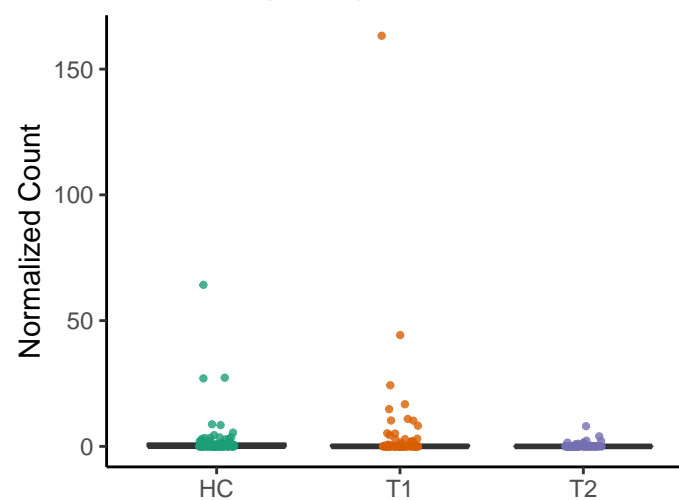
PYRIDOXSYN-PWY: pyridoxal 5'-phos

HC vs. T1 adjusted $p = 0.00011$
 HC vs. T2 adjusted $p = 0.067$
 T1 vs. T2 adjusted $p = 0.042$



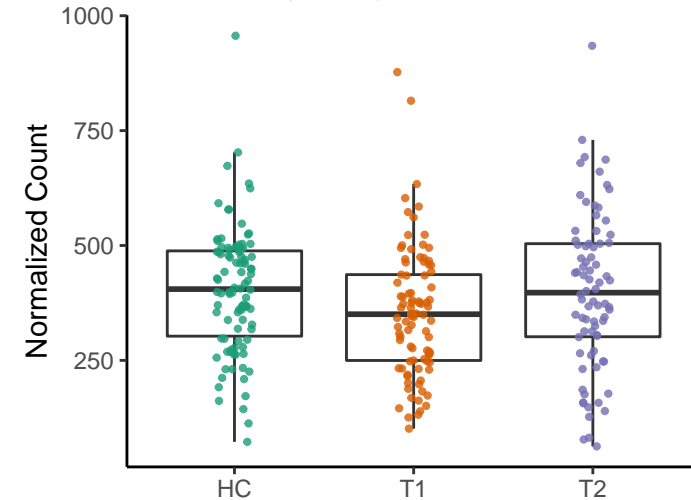
PWY-7409: phospholipid remodeling (r

HC vs. T1 adjusted $p = 0.53$
 HC vs. T2 adjusted $p = 0.093$
 T1 vs. T2 adjusted $p = 0.044$



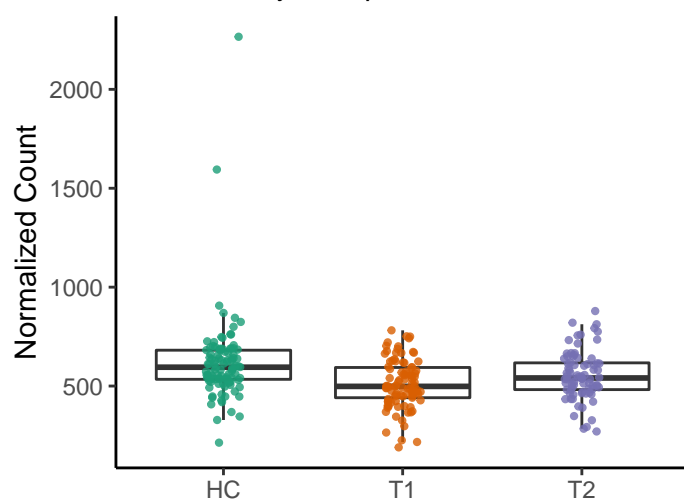
PWY-6385: peptidoglycan biosynthesis

HC vs. T1 adjusted $p = 0.042$
 HC vs. T2 adjusted $p = 0.95$
 T1 vs. T2 adjusted $p = 0.045$



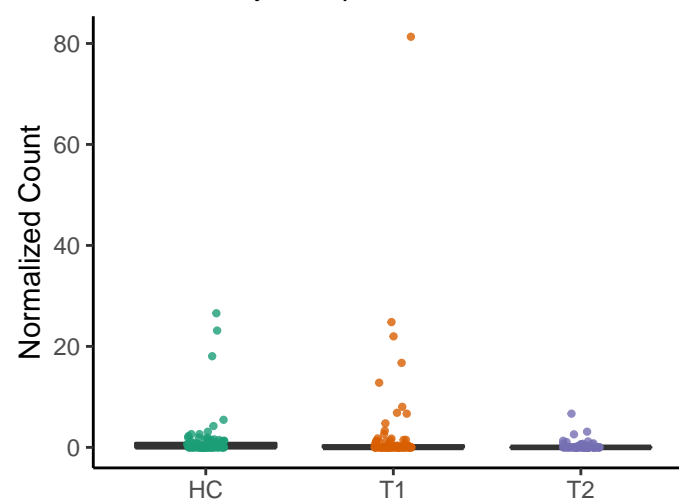
NONMEVIPP-PWY: methylerythritol p

HC vs. T1 adjusted $p = 0.00025$
 HC vs. T2 adjusted $p = 0.065$
 T1 vs. T2 adjusted $p = 0.047$



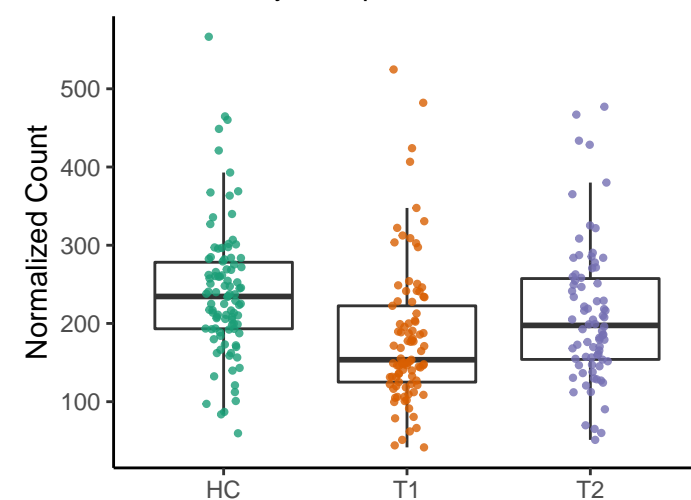
METHGLYUT-PWY: superpathway of m

HC vs. T1 adjusted $p = 0.47$
 HC vs. T2 adjusted $p = 0.079$
 T1 vs. T2 adjusted $p = 0.05$



PWY-5100: pyruvate fermentation to ac

HC vs. T1 adjusted $p = 4.7e-05$
 HC vs. T2 adjusted $p = 0.093$
 T1 vs. T2 adjusted $p = 0.05$

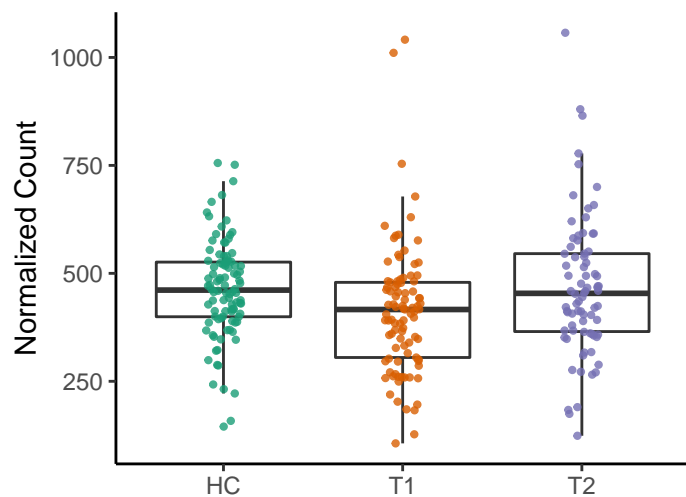


PWY0-1296: purine ribonucleosides d

HC vs. T1 adjusted $p = 0.032$

HC vs. T2 adjusted $p = 0.91$

T1 vs. T2 adjusted $p = 0.05$

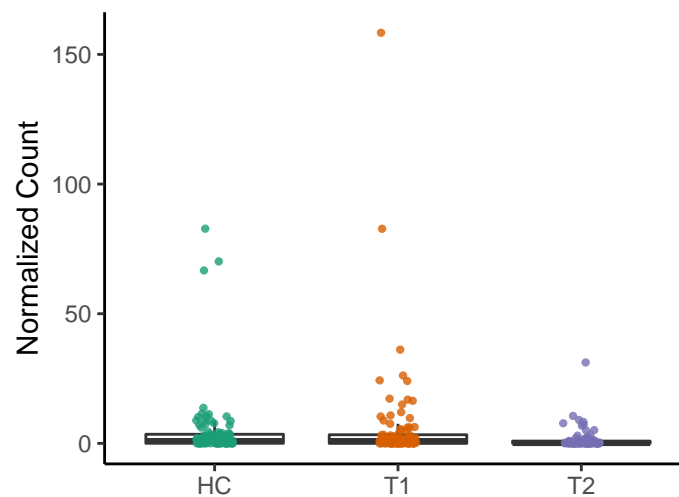


PWY-7254: TCA cycle VII (acetate-prc

HC vs. T1 adjusted $p = 0.6$

HC vs. T2 adjusted $p = 0.096$

T1 vs. T2 adjusted $p = 0.05$

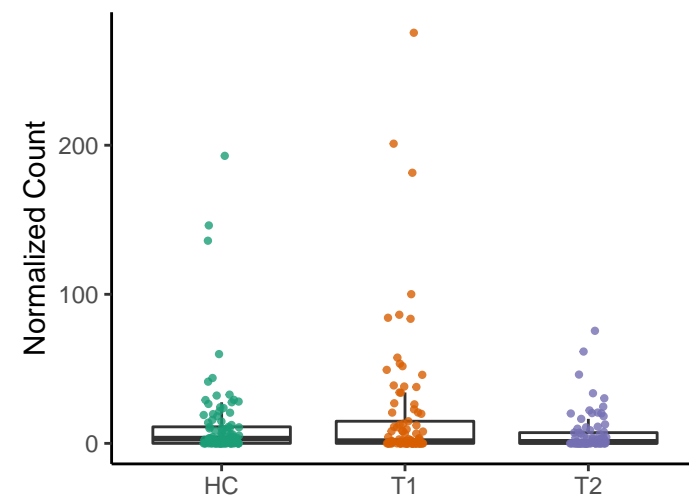


PWY-6630: superpathway of L-tyrosin

HC vs. T1 adjusted $p = 0.37$

HC vs. T2 adjusted $p = 0.19$

T1 vs. T2 adjusted $p = 0.051$

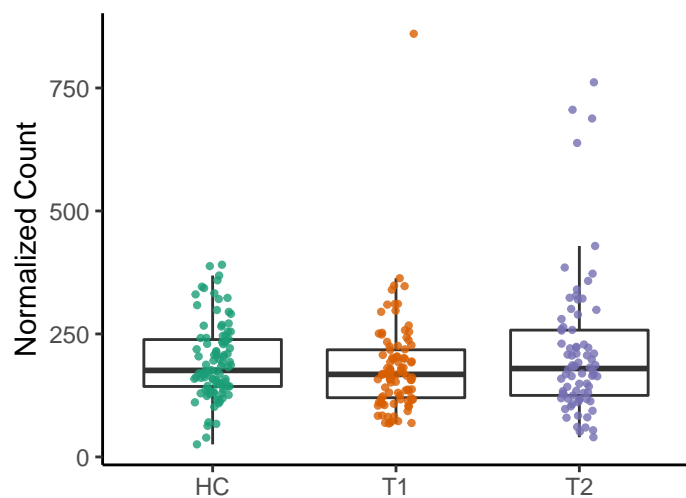


PWY-5188: tetrapyrrole biosynthesis I

HC vs. T1 adjusted $p = 0.47$

HC vs. T2 adjusted $p = 0.43$

T1 vs. T2 adjusted $p = 0.052$

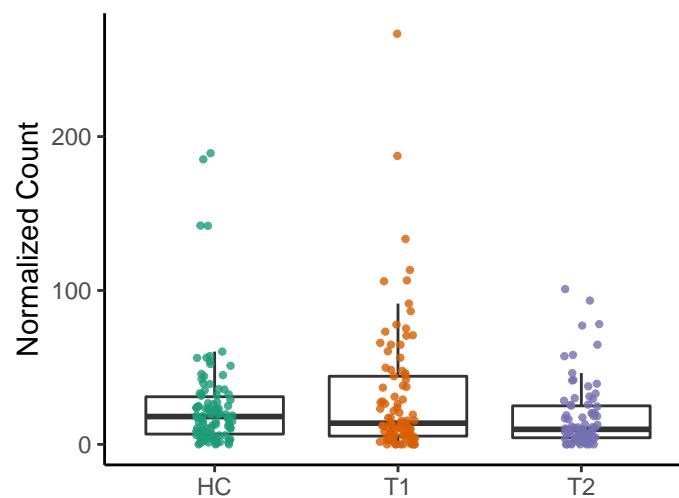


PWY-6628: superpathway of L-phenyl

HC vs. T1 adjusted $p = 0.47$

HC vs. T2 adjusted $p = 0.19$

T1 vs. T2 adjusted $p = 0.052$

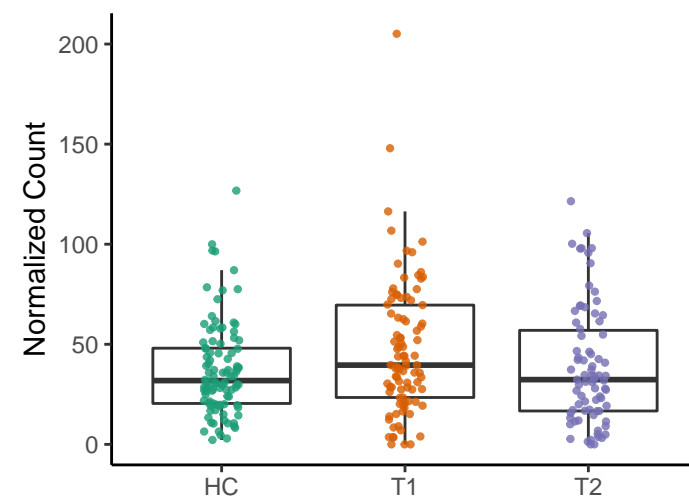


HEXITOLDEGSUPER-PWY: superpath

HC vs. T1 adjusted $p = 0.045$

HC vs. T2 adjusted $p = 0.77$

T1 vs. T2 adjusted $p = 0.056$

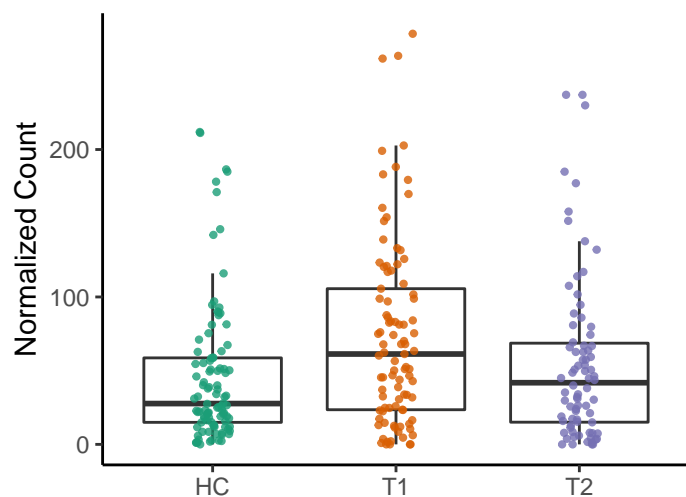


PHOSLIPSYN-PWY: superpathway of

HC vs. T1 adjusted $p = 0.0043$

HC vs. T2 adjusted $p = 0.39$

T1 vs. T2 adjusted $p = 0.056$

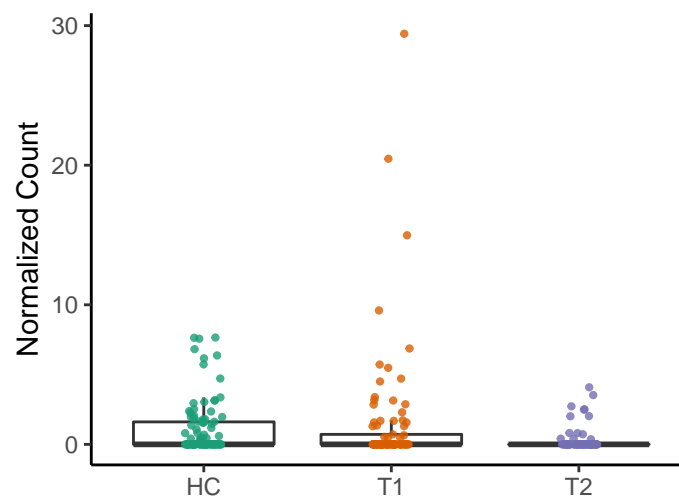


PWY-6263: superpathway of menaquin

HC vs. T1 adjusted $p = 0.57$

HC vs. T2 adjusted $p = 0.0041$

T1 vs. T2 adjusted $p = 0.056$

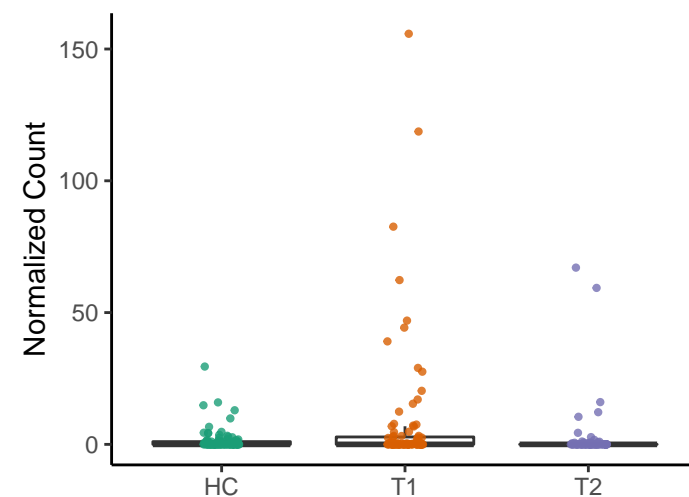


PWY-7013: L-1,2-propanediol degrad

HC vs. T1 adjusted $p = 0.03$

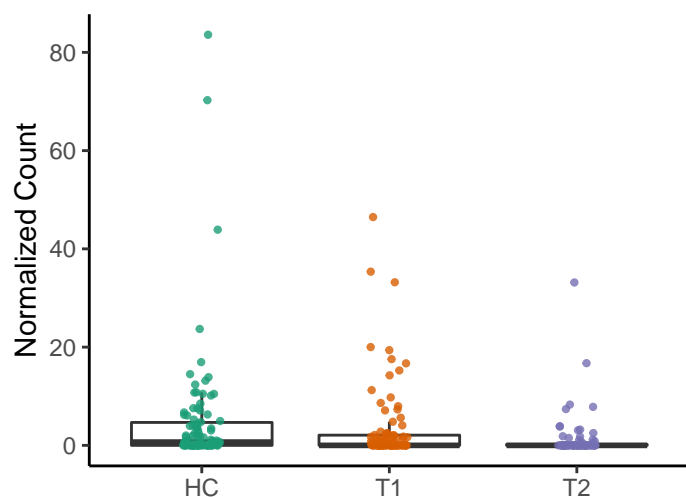
HC vs. T2 adjusted $p = 0.63$

T1 vs. T2 adjusted $p = 0.056$



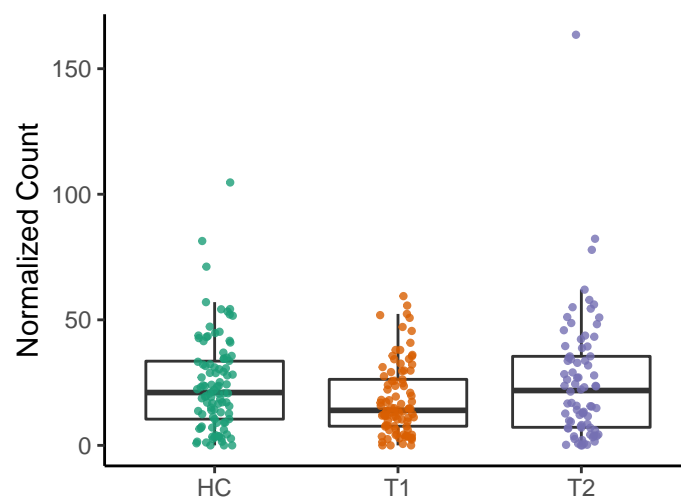
PWY-561: superpathway of glyoxylate c

HC vs. T1 adjusted p = 0.47
 HC vs. T2 adjusted p = 0.043
 T1 vs. T2 adjusted p = 0.058



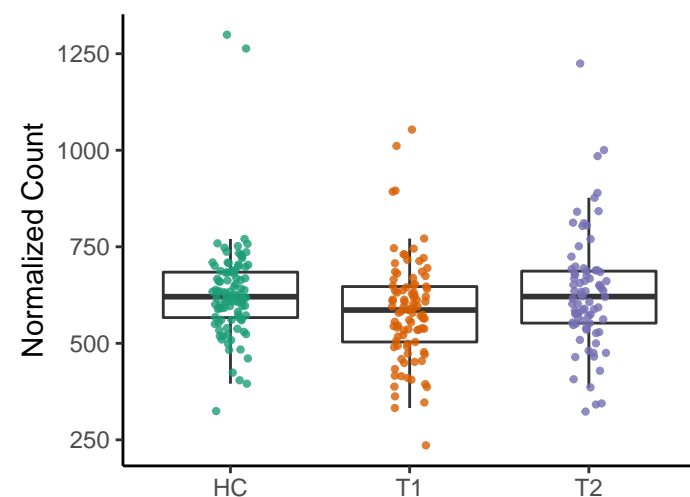
PWY-6595: superpathway of guanosin

HC vs. T1 adjusted p = 0.039
 HC vs. T2 adjusted p = 0.78
 T1 vs. T2 adjusted p = 0.058



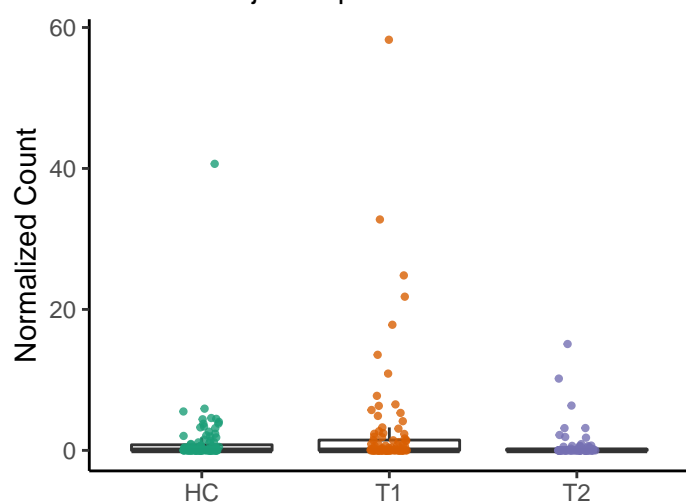
PWY-7221: guanosine ribonucleotides

HC vs. T1 adjusted p = 0.039
 HC vs. T2 adjusted p = 0.97
 T1 vs. T2 adjusted p = 0.059



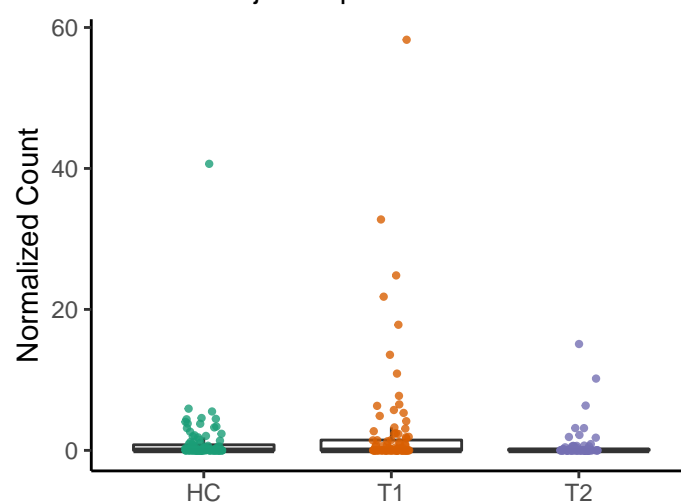
GALACTARDEG-PWY: D-galactarate d

HC vs. T1 adjusted p = 0.17
 HC vs. T2 adjusted p = 0.42
 T1 vs. T2 adjusted p = 0.06



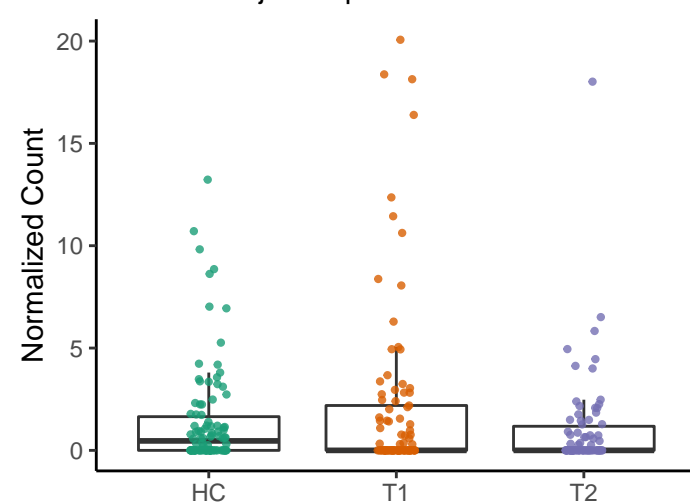
GLUCARGALACTSUPER-PWY: super

HC vs. T1 adjusted p = 0.17
 HC vs. T2 adjusted p = 0.42
 T1 vs. T2 adjusted p = 0.06



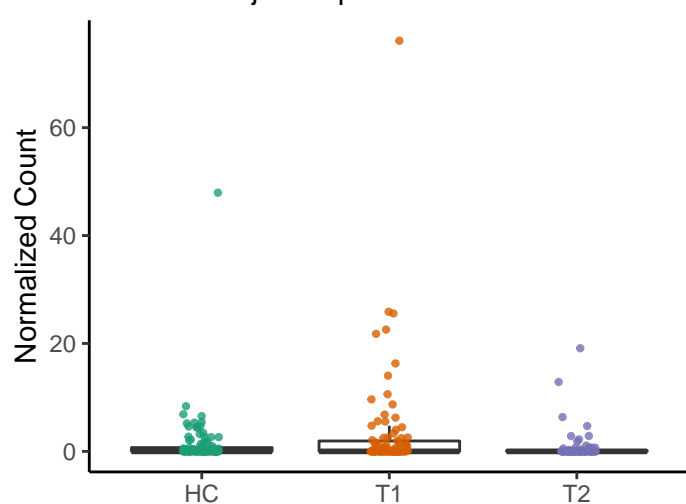
PWY-5920: superpathway of heme bios

HC vs. T1 adjusted p = 0.33
 HC vs. T2 adjusted p = 0.37
 T1 vs. T2 adjusted p = 0.063



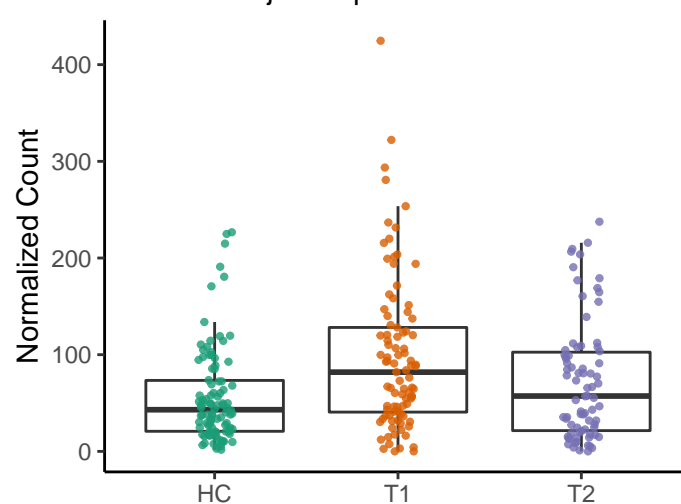
GLUCARDEG-PWY: D-glucarate degra

HC vs. T1 adjusted p = 0.19
 HC vs. T2 adjusted p = 0.39
 T1 vs. T2 adjusted p = 0.063



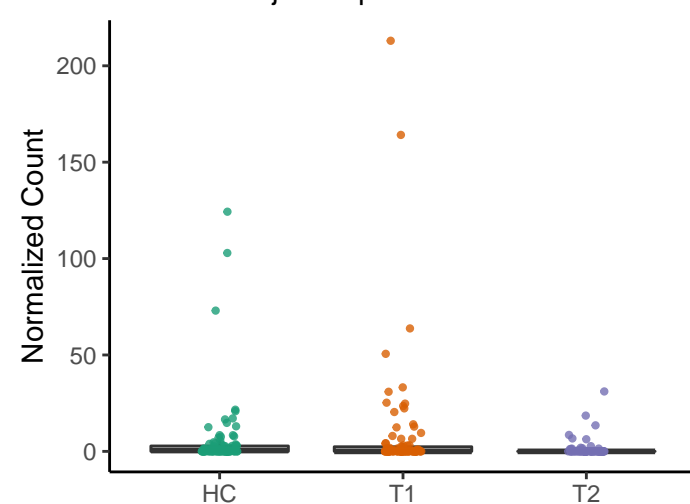
PWY-5484: glycolysis II (from fructose

HC vs. T1 adjusted p = 0.00023
 HC vs. T2 adjusted p = 0.15
 T1 vs. T2 adjusted p = 0.063



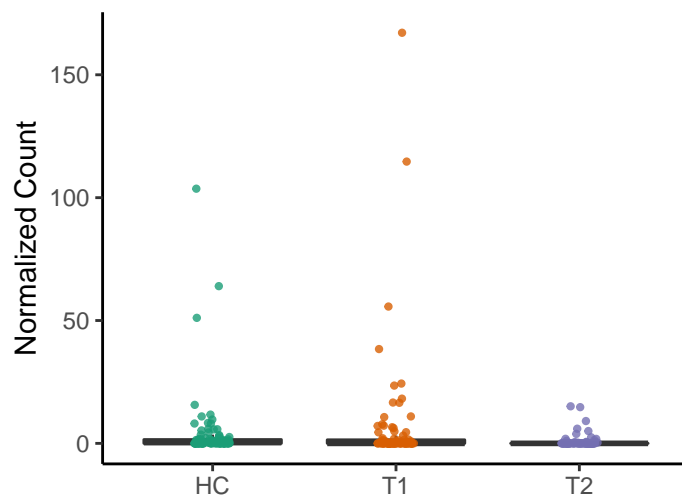
PWY-6891: thiazole biosynthesis II (Ba

HC vs. T1 adjusted p = 0.51
 HC vs. T2 adjusted p = 0.096
 T1 vs. T2 adjusted p = 0.063



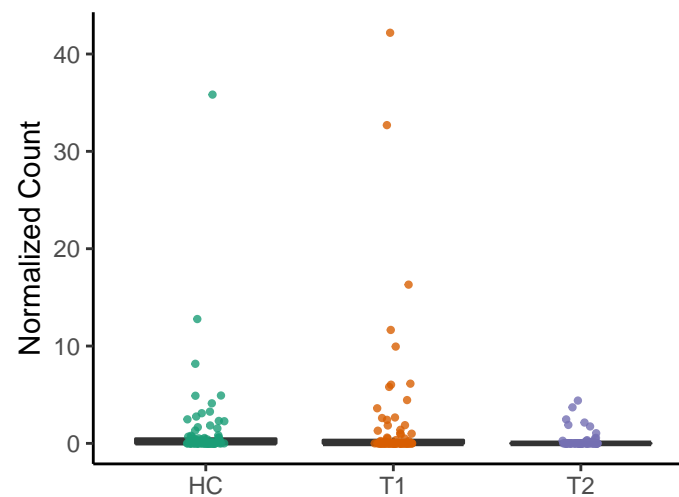
PWY-7269: NAD/NADP-NADH/NADP

HC vs. T1 adjusted $p = 0.5$
HC vs. T2 adjusted $p = 0.11$
T1 vs. T2 adjusted $p = 0.063$



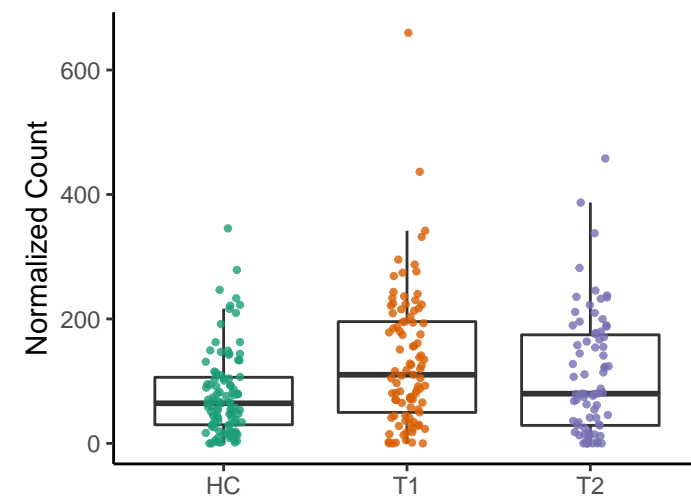
PWY0-1338: polymyxin resistance

HC vs. T1 adjusted $p = 0.51$
HC vs. T2 adjusted $p = 0.13$
T1 vs. T2 adjusted $p = 0.063$



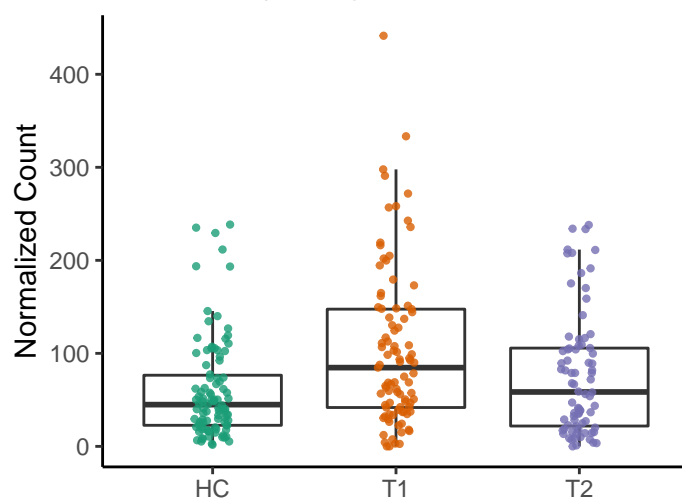
PWY0-845: superpathway of pyridoxal

HC vs. T1 adjusted $p = 0.00046$
HC vs. T2 adjusted $p = 0.09$
T1 vs. T2 adjusted $p = 0.063$



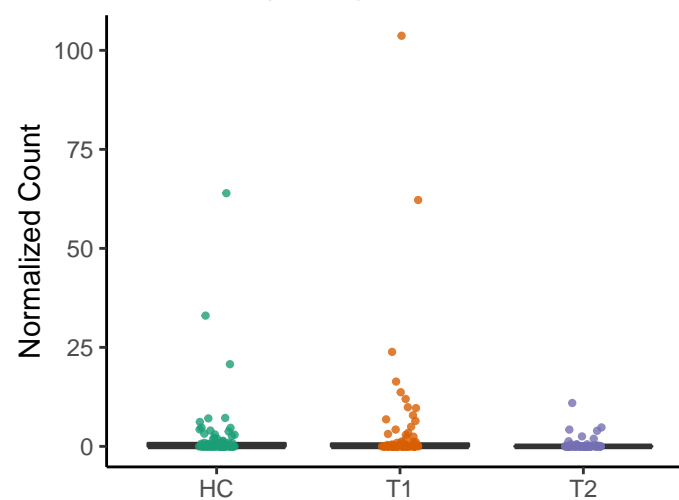
GLYCOLYSIS: glycolysis I (from glucos

HC vs. T1 adjusted $p = 0.00026$
HC vs. T2 adjusted $p = 0.17$
T1 vs. T2 adjusted $p = 0.064$



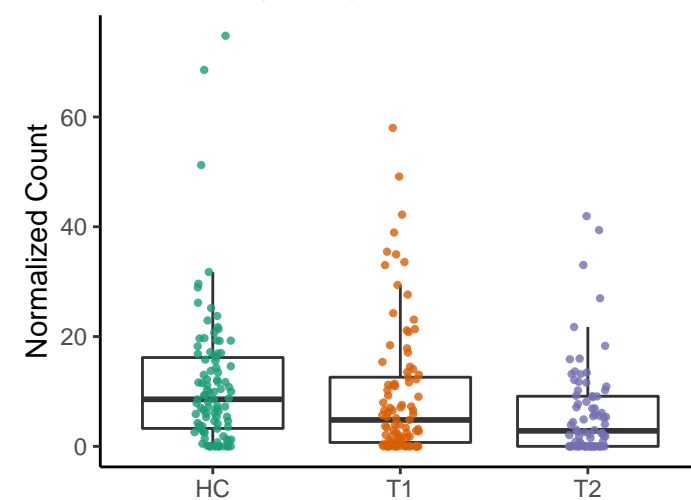
ECASYN-PWY: enterobacterial comm

HC vs. T1 adjusted $p = 0.51$
HC vs. T2 adjusted $p = 0.13$
T1 vs. T2 adjusted $p = 0.065$



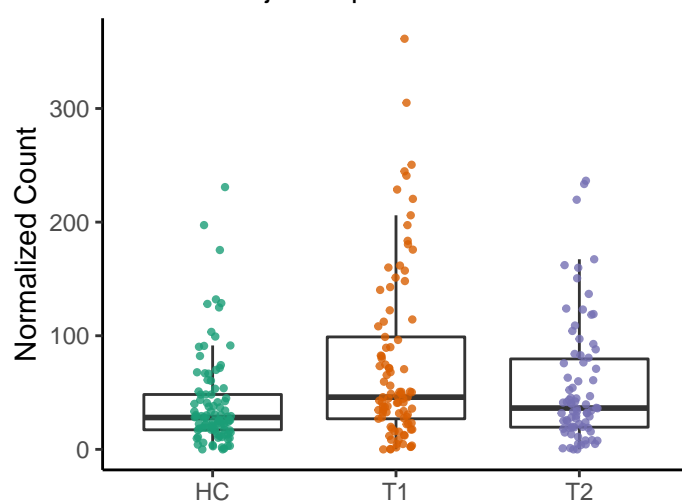
FAO-PWY: fatty acid β-oxidation I

HC vs. T1 adjusted $p = 0.42$
HC vs. T2 adjusted $p = 0.021$
T1 vs. T2 adjusted $p = 0.065$



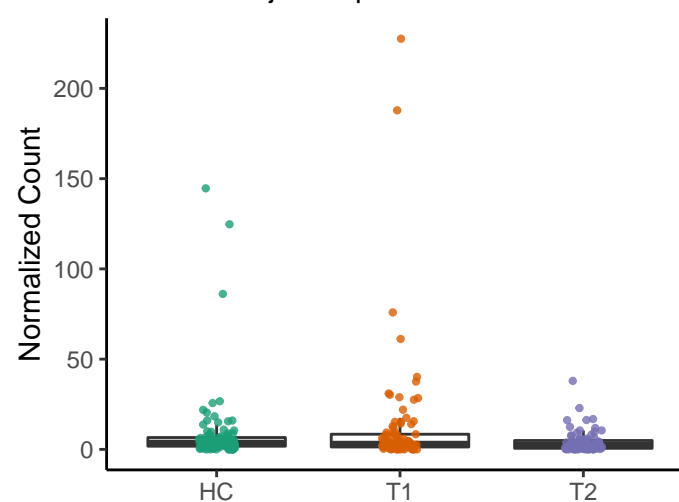
PWY66-400: glycolysis VI (metazoan)

HC vs. T1 adjusted $p = 0.00082$
HC vs. T2 adjusted $p = 0.12$
T1 vs. T2 adjusted $p = 0.065$



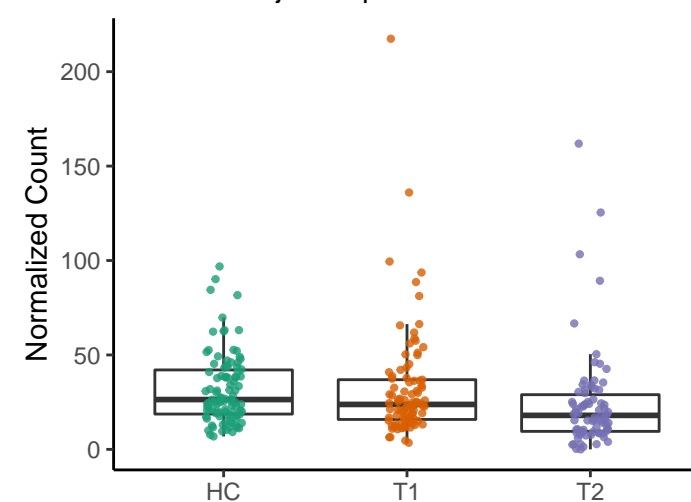
PWY-6892: thiazole biosynthesis I (E.

HC vs. T1 adjusted $p = 0.51$
HC vs. T2 adjusted $p = 0.12$
T1 vs. T2 adjusted $p = 0.068$



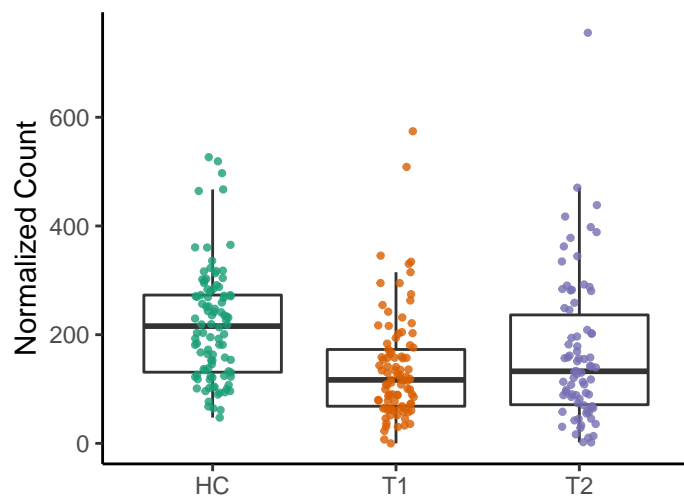
PWY-5690: TCA cycle II (plants and fu

HC vs. T1 adjusted $p = 0.94$
HC vs. T2 adjusted $p = 0.1$
T1 vs. T2 adjusted $p = 0.071$



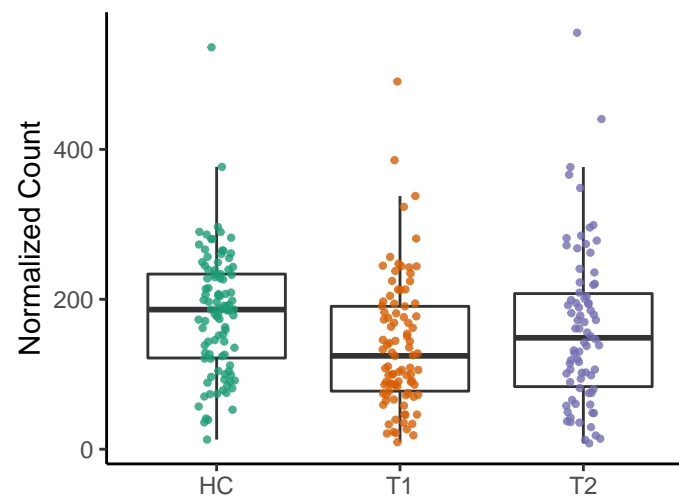
GLCMANNANAUT–PWY: superpathwa

HC vs. T1 adjusted $p = 2.8e-06$
 HC vs. T2 adjusted $p = 0.041$
 T1 vs. T2 adjusted $p = 0.071$



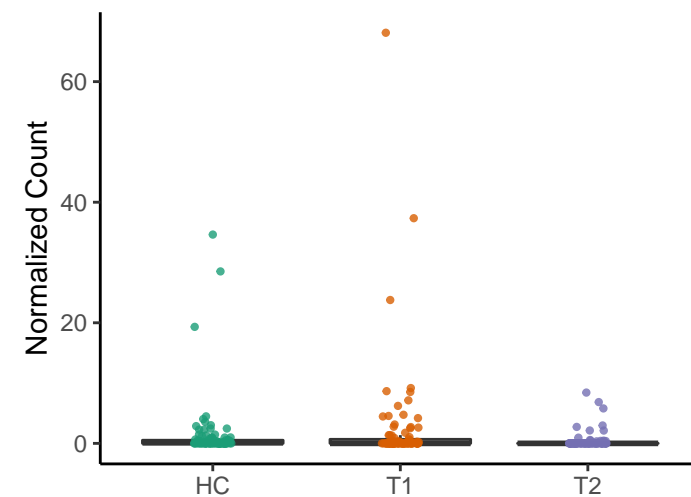
ASPASN–PWY: superpathway of L–asparagin

HC vs. T1 adjusted $p = 0.0021$
 HC vs. T2 adjusted $p = 0.28$
 T1 vs. T2 adjusted $p = 0.074$



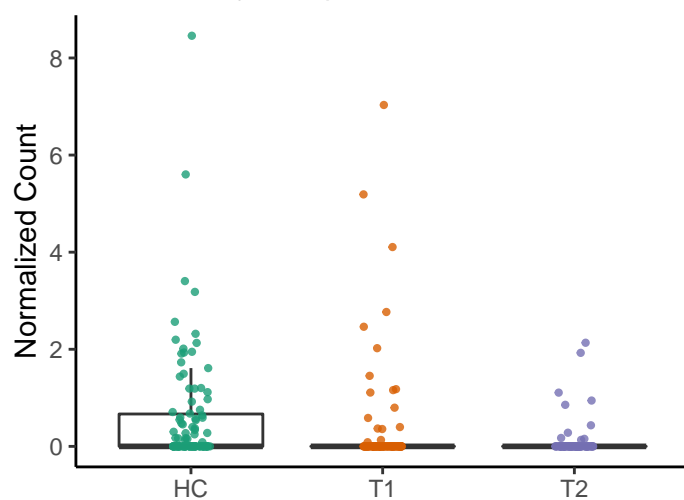
AST–PWY: L–arginine degradation II (A

HC vs. T1 adjusted $p = 0.47$
 HC vs. T2 adjusted $p = 0.19$
 T1 vs. T2 adjusted $p = 0.074$



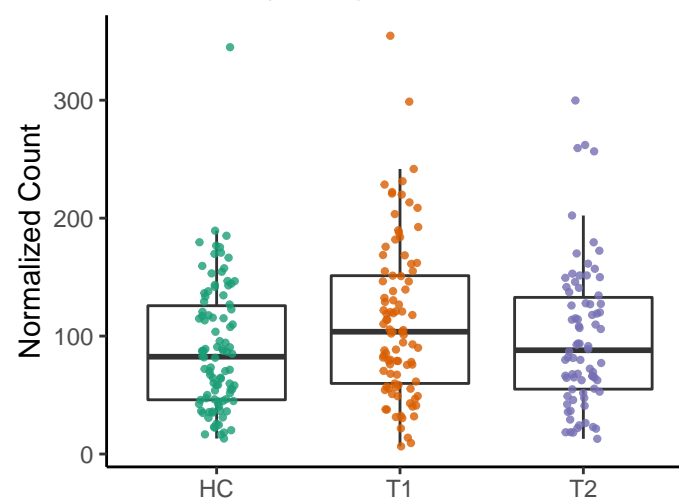
PWY–5692: allantoin degradation to glyo

HC vs. T1 adjusted $p = 0.18$
 HC vs. T2 adjusted $p = 0.0032$
 T1 vs. T2 adjusted $p = 0.074$



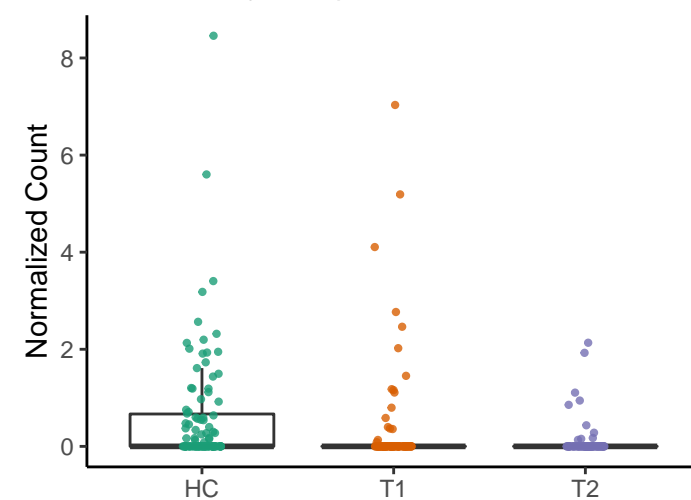
PWY66–409: superpathway of purine n

HC vs. T1 adjusted $p = 0.026$
 HC vs. T2 adjusted $p = 0.42$
 T1 vs. T2 adjusted $p = 0.074$



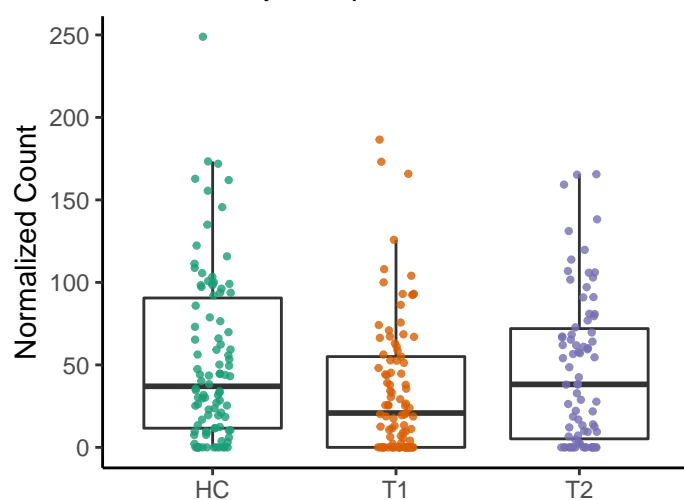
URDEGR–PWY: superpathway of allanto

HC vs. T1 adjusted $p = 0.18$
 HC vs. T2 adjusted $p = 0.0032$
 T1 vs. T2 adjusted $p = 0.074$



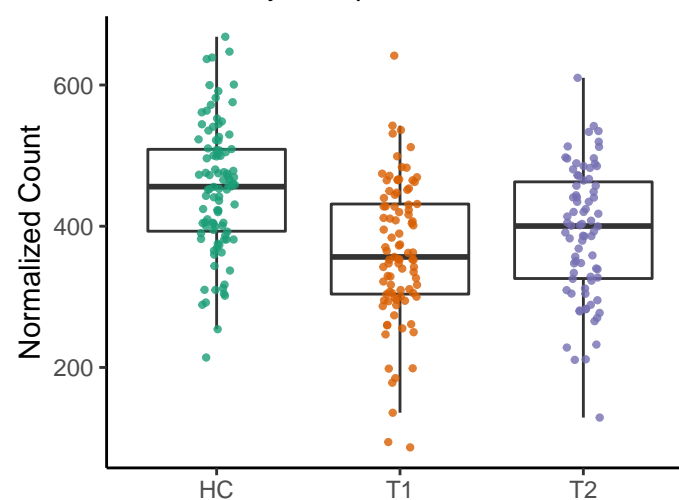
PWY–7456: mannan degradation

HC vs. T1 adjusted $p = 0.029$
 HC vs. T2 adjusted $p = 0.59$
 T1 vs. T2 adjusted $p = 0.078$



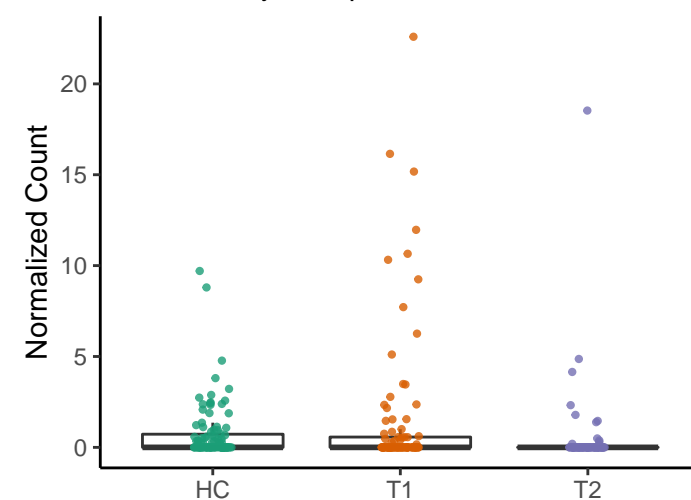
TRNA–CHARGING–PWY: tRNA chargi

HC vs. T1 adjusted $p = 1.9e-08$
 HC vs. T2 adjusted $p = 0.00067$
 T1 vs. T2 adjusted $p = 0.078$



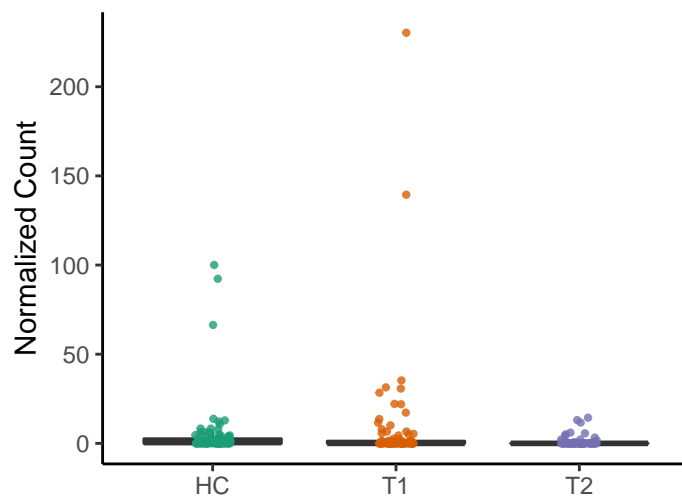
PWY–7399: methylphosphonate degrad

HC vs. T1 adjusted $p = 0.14$
 HC vs. T2 adjusted $p = 0.46$
 T1 vs. T2 adjusted $p = 0.078$



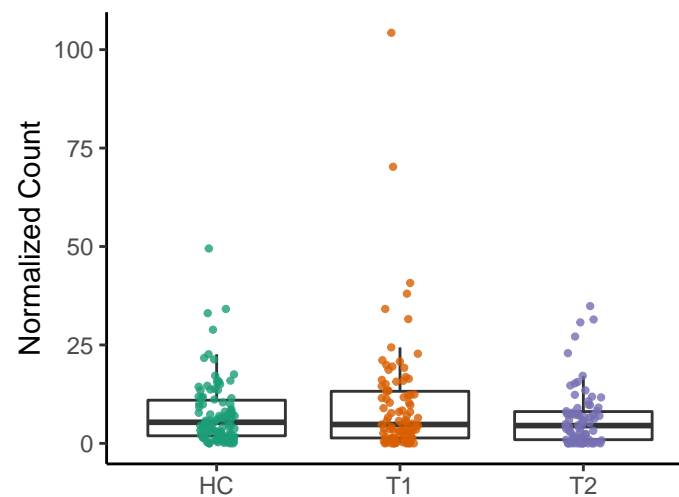
PWY-7315: dTDP-N-acetylthomosam

HC vs. T1 adjusted $p = 0.54$
HC vs. T2 adjusted $p = 0.093$
T1 vs. T2 adjusted $p = 0.08$



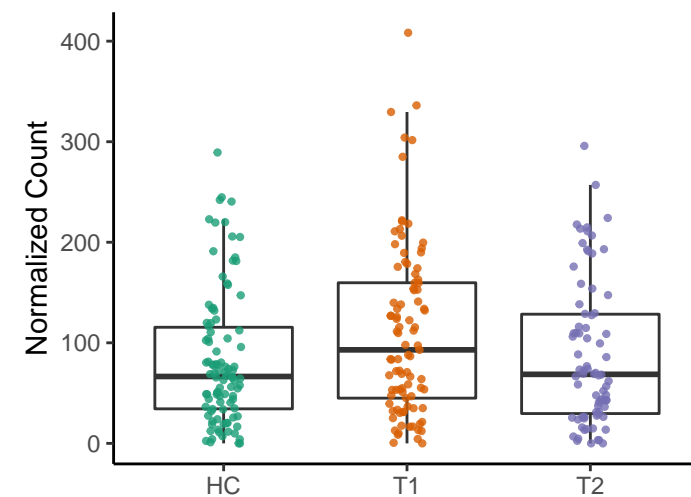
GLUDEG-I-PWY: GABA shunt

HC vs. T1 adjusted $p = 0.33$
HC vs. T2 adjusted $p = 0.43$
T1 vs. T2 adjusted $p = 0.095$



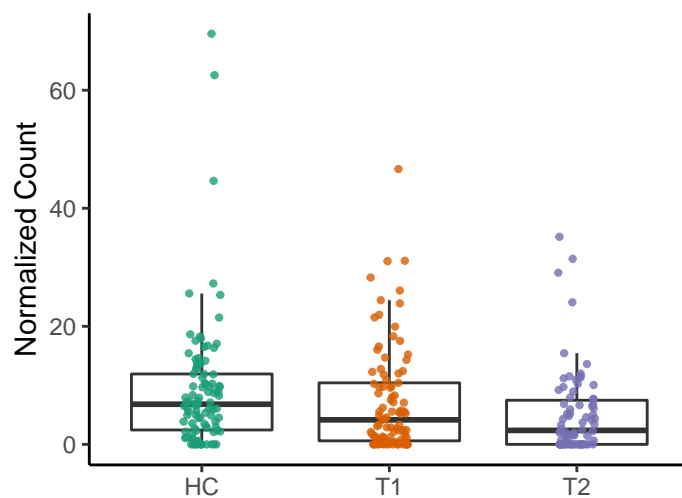
PWY-7560: methylerythritol phosphate

HC vs. T1 adjusted $p = 0.038$
HC vs. T2 adjusted $p = 0.76$
T1 vs. T2 adjusted $p = 0.096$



PWY-5136: fatty acid & beta;-oxidation

HC vs. T1 adjusted $p = 0.29$
HC vs. T2 adjusted $p = 0.027$
T1 vs. T2 adjusted $p = 0.096$



ANAGLYCOLYSIS-PWY: glycolysis III (from glucose)

HC vs. T1 adjusted $p = 0.14$
HC vs. T2 adjusted $p = 0.88$
T1 vs. T2 adjusted $p = 0.097$

