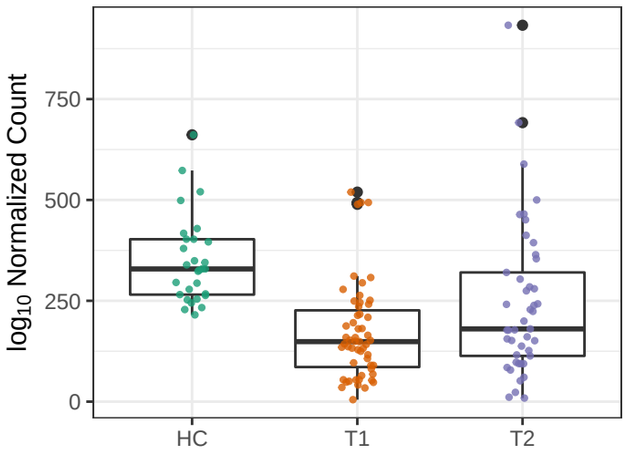
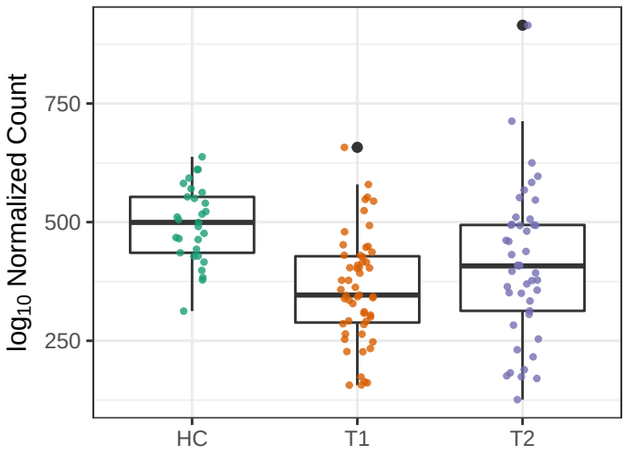
PWY−621: sucrose degradation III (suc

HC vs. T1 p = 1.2e−06
HC vs. T2 p = 0.063
T1 vs. T2 p = 0.16



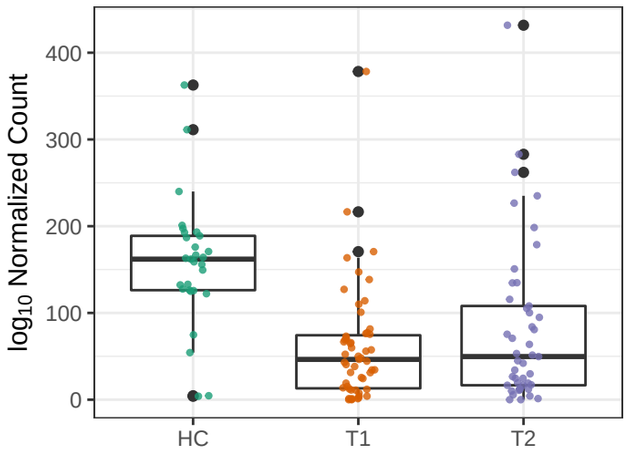
CALVIN−PWY: Calvin−Benson−Bassha

HC vs. T1 p = 2.4e−06
HC vs. T2 p = 0.055
T1 vs. T2 p = 0.17



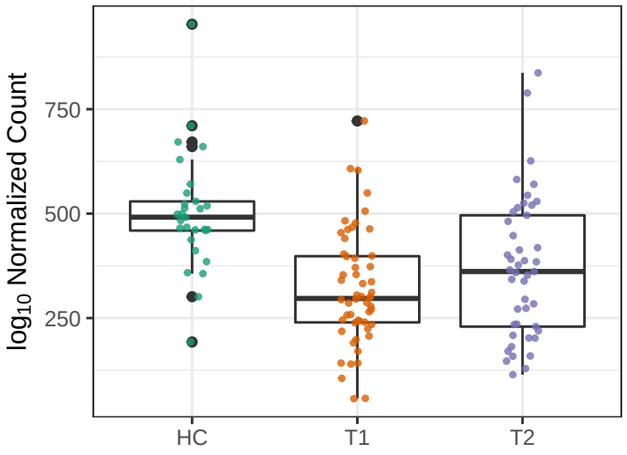
PWY−5177: glutaryl−CoA degradation

HC vs. T1 p = 2.1e−05
HC vs. T2 p = 0.03
T1 vs. T2 p = 0.17



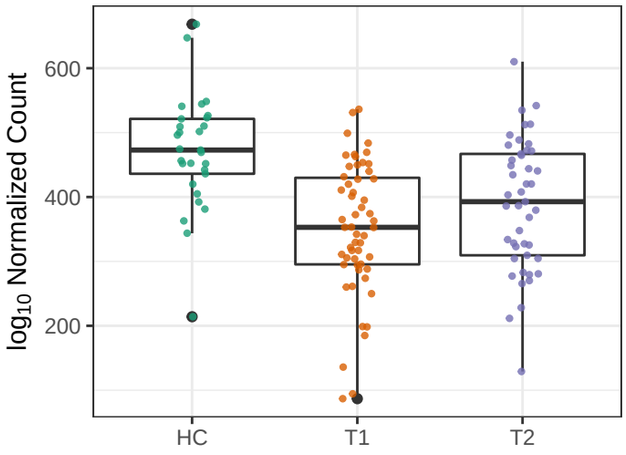
DTDPRHAMSYN−PWY: dTDP−L−rhar

HC vs. T1 p = 3.1e−05
HC vs. T2 p = 0.03
T1 vs. T2 p = 0.16



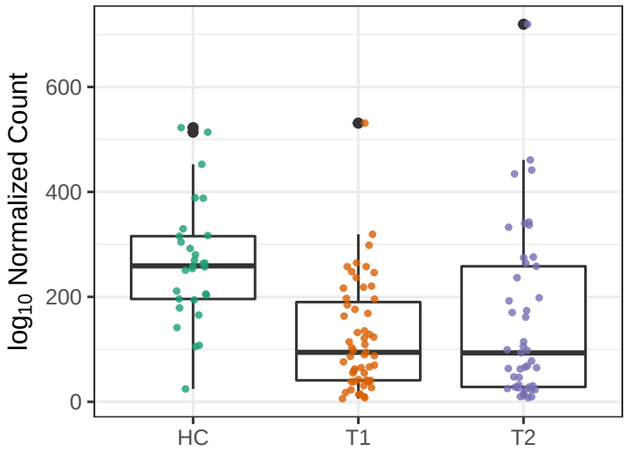
TRNA−CHARGING−PWY: tRNA charg

HC vs. T1 p = 3.1e−05
HC vs. T2 p = 0.03
T1 vs. T2 p = 0.17



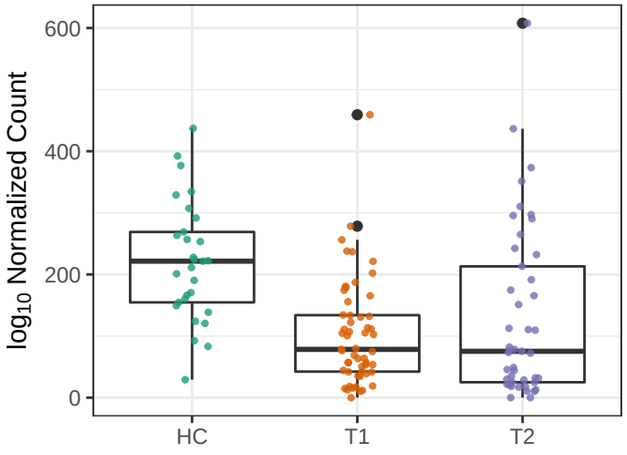
PWY−7242: D−fructuronate degradatio

HC vs. T1 p = 5.2e−05
HC vs. T2 p = 0.037
T1 vs. T2 p = 0.23



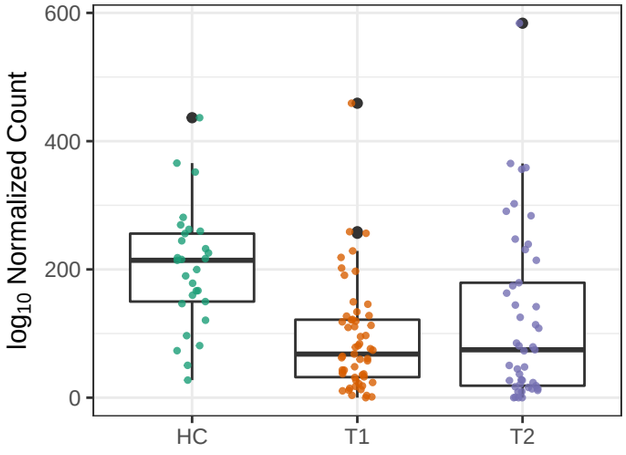
GLUCUROCAT−PWY: superpathway o

HC vs. T1 p = 5.8e−05
HC vs. T2 p = 0.042
T1 vs. T2 p = 0.23



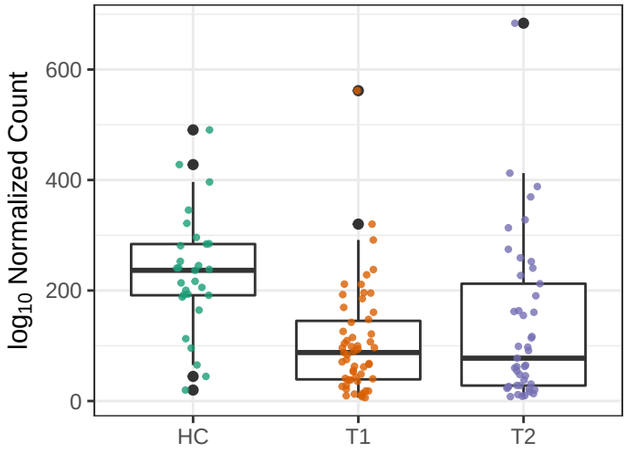
GALACT−GLUCUROCAT−PWY: super

HC vs. T1 p = 7.1e−05
HC vs. T2 p = 0.055
T1 vs. T2 p = 0.19



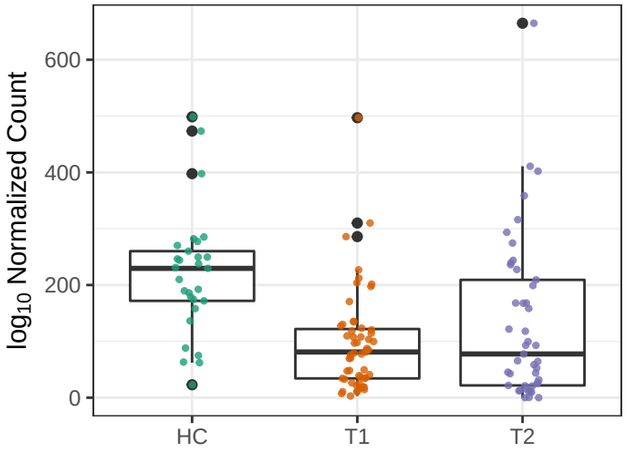
PWY−6507: 4−deoxy−L−threo−hex−4−

HC vs. T1 p = 0.00012
HC vs. T2 p = 0.042
T1 vs. T2 p = 0.23



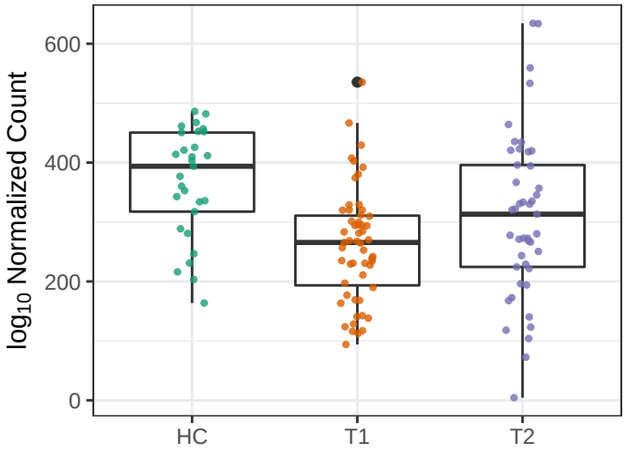
GALACTUROCAT−PWY: D−galacturor

HC vs. T1 p = 0.00017
HC vs. T2 p = 0.068
T1 vs. T2 p = 0.17



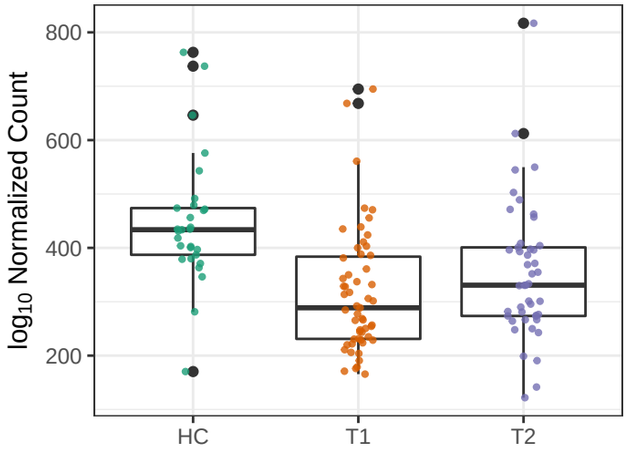
PWY66−422: D−galactose degradatior

HC vs. T1 p = 0.00018
HC vs. T2 p = 0.18
T1 vs. T2 p = 0.16



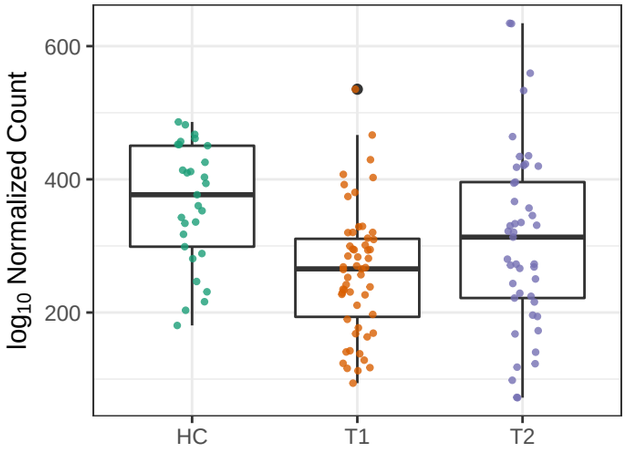
PWY−3001: superpathway of L−isoleu

HC vs. T1 p = 0.00023
HC vs. T2 p = 0.047
T1 vs. T2 p = 0.16



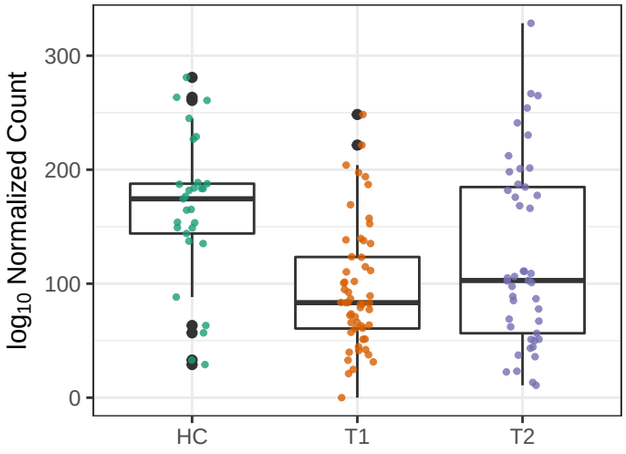
PWY−6317: galactose degradation I (L

HC vs. T1 p = 0.00023
HC vs. T2 p = 0.19
T1 vs. T2 p = 0.16



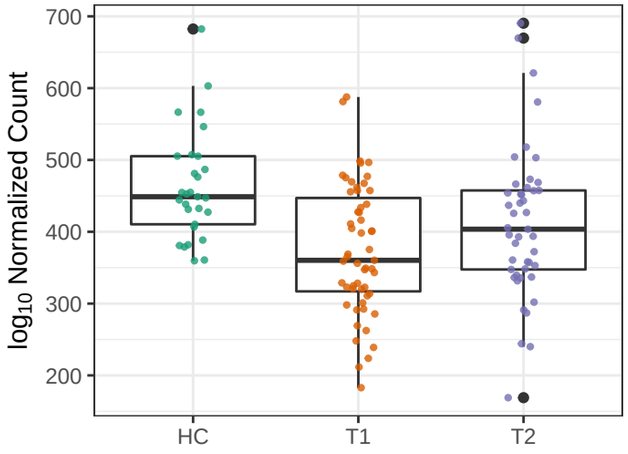
PWY−7199: pyrimidine deoxyribonucle

HC vs. T1 p = 0.00023
HC vs. T2 p = 0.13
T1 vs. T2 p = 0.17



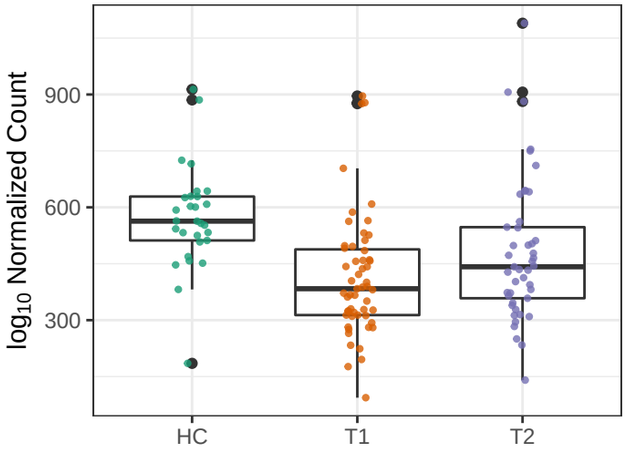
PWY−724: superpathway of L−lysine, L

HC vs. T1 p = 0.00023
HC vs. T2 p = 0.12
T1 vs. T2 p = 0.16



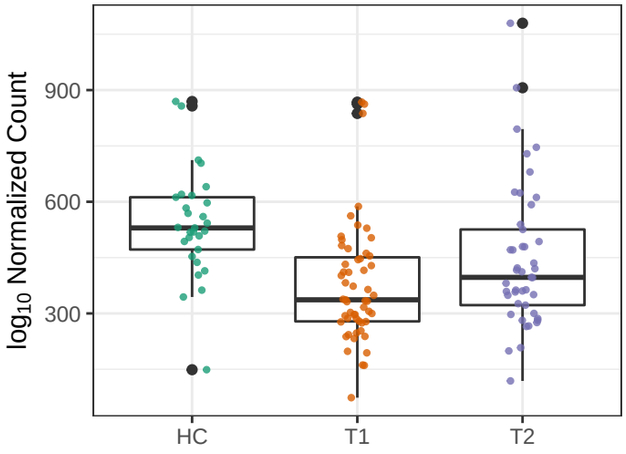
BRANCHED−CHAIN−AA−SYN−PWY:

HC vs. T1 p = 0.00027
HC vs. T2 p = 0.13
T1 vs. T2 p = 0.16



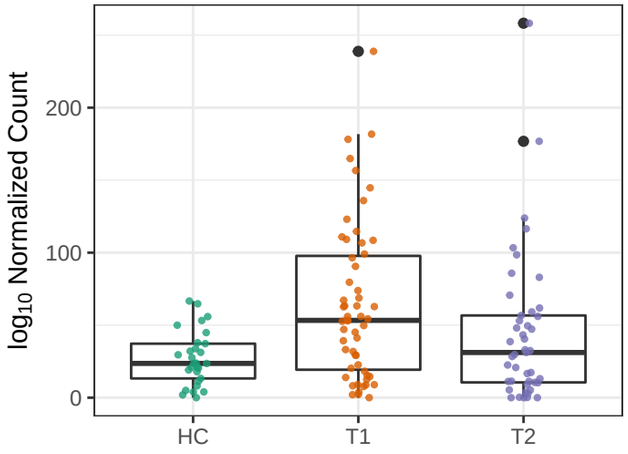
PWY−5103: L−isoleucine biosynthesis

HC vs. T1 p = 0.00027
HC vs. T2 p = 0.14
T1 vs. T2 p = 0.16



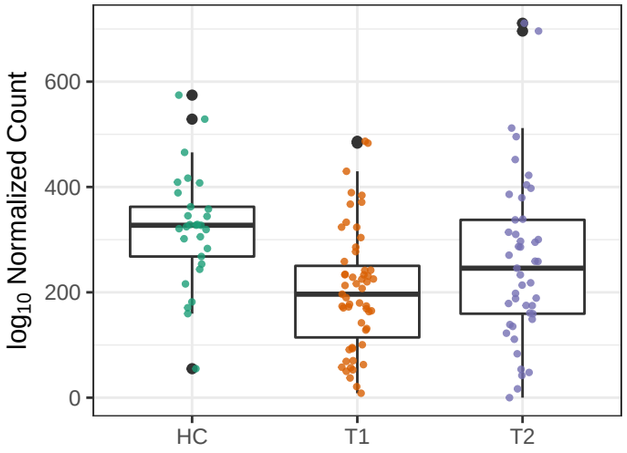
PWY−1269: CMP−3−deoxy−D−manno

HC vs. T1 p = 0.00028
HC vs. T2 p = 0.19
T1 vs. T2 p = 0.16



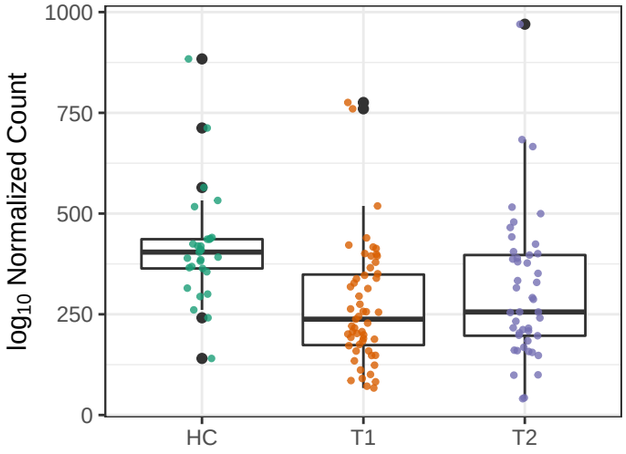
SER−GLYSYN−PWY: superpathway of

HC vs. T1 p = 0.00032
HC vs. T2 p = 0.21
T1 vs. T2 p = 0.16



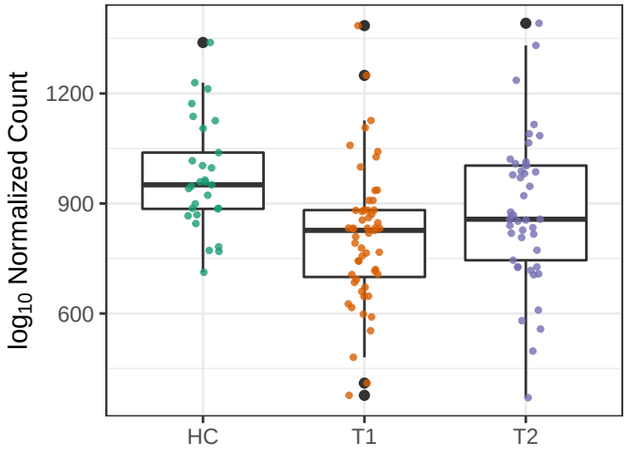
PWY−7357: thiamin formation from py

HC vs. T1 p = 0.00057
HC vs. T2 p = 0.074
T1 vs. T2 p = 0.16



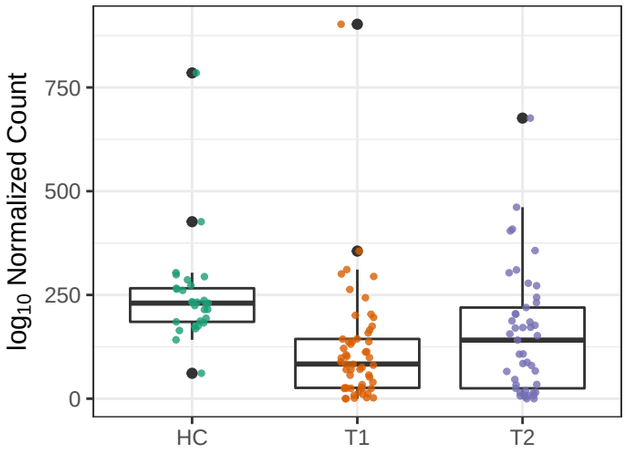
PWY−7219: adenosine ribonucleotide

HC vs. T1 p = 0.00063
HC vs. T2 p = 0.16
T1 vs. T2 p = 0.17



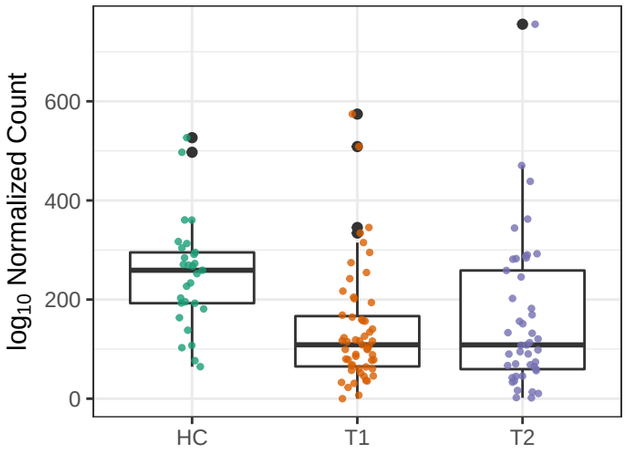
COBALSYN−PWY: adenosylcobalamir

HC vs. T1 p = 7e−04
HC vs. T2 p = 0.069
T1 vs. T2 p = 0.16



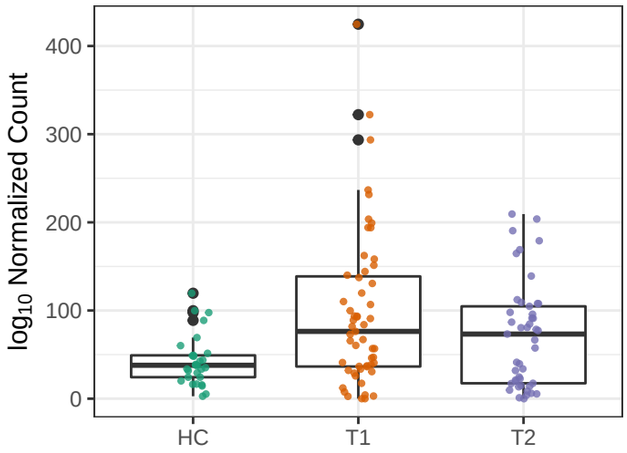
GLCMANNANAUT−PWY: superpathwa

HC vs. T1 p = 0.00076
HC vs. T2 p = 0.068
T1 vs. T2 p = 0.24



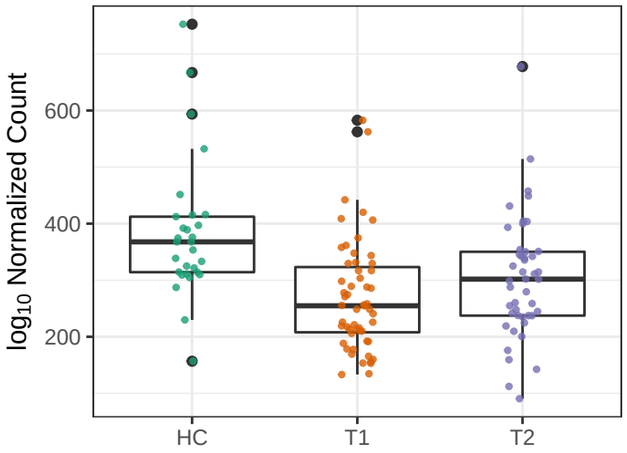
PWY−5484: glycolysis II (from fructose

HC vs. T1 p = 0.00094
HC vs. T2 p = 0.079
T1 vs. T2 p = 0.25



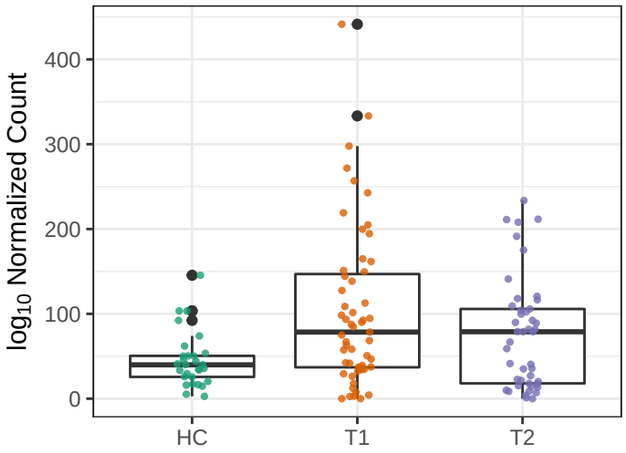
THRESYN−PWY: superpathway of L−t

HC vs. T1 p = 0.00099
HC vs. T2 p = 0.071
T1 vs. T2 p = 0.16



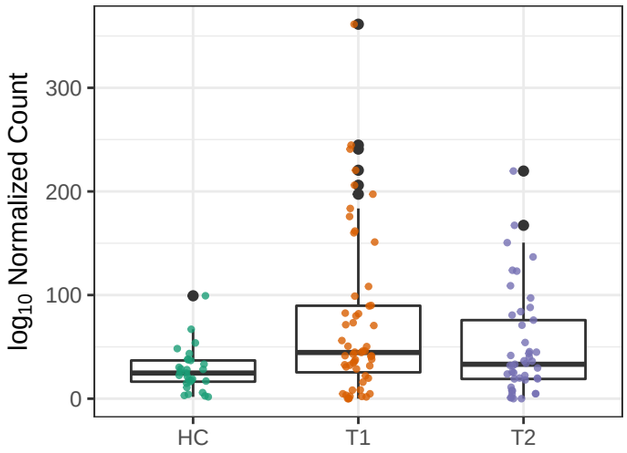
GLYCOLYSIS: glycolysis I (from glucos

HC vs. T1 p = 0.0012
HC vs. T2 p = 0.084
T1 vs. T2 p = 0.26



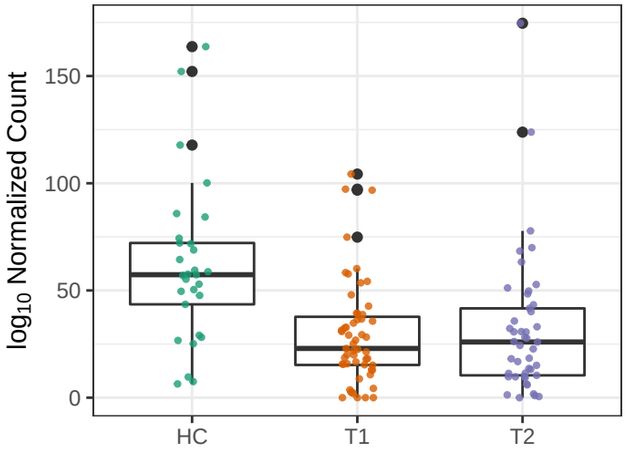
PWY66−400: glycolysis VI (metazoan)

HC vs. T1 p = 0.0013
HC vs. T2 p = 0.084
T1 vs. T2 p = 0.22



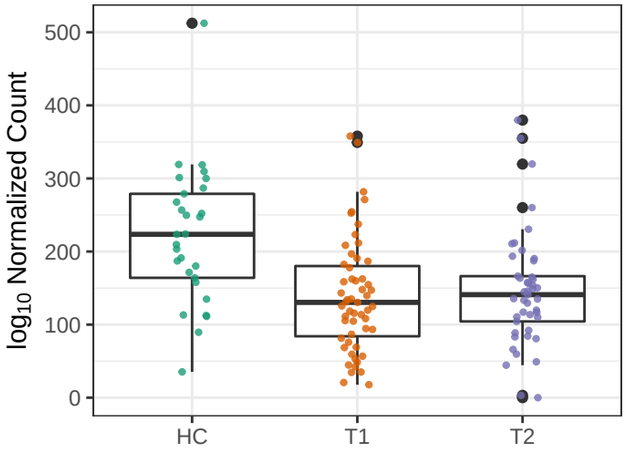
POLYAMSYN−PWY: superpathway of p

HC vs. T1 p = 0.0018
HC vs. T2 p = 0.037
T1 vs. T2 p = 0.64



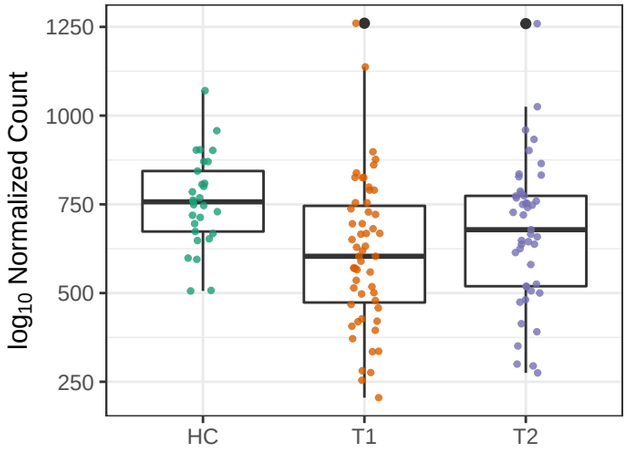
PWY−5347: superpathway of L−methic

HC vs. T1 p = 0.002
HC vs. T2 p = 0.037
T1 vs. T2 p = 0.59



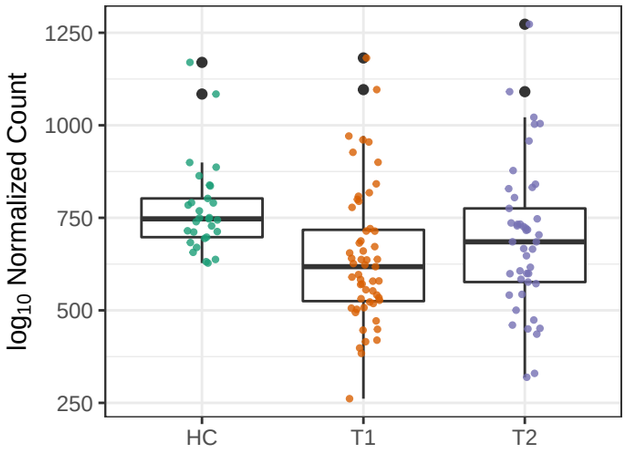
PWY−6737: starch degradation V

HC vs. T1 p = 0.002
HC vs. T2 p = 0.16
T1 vs. T2 p = 0.19



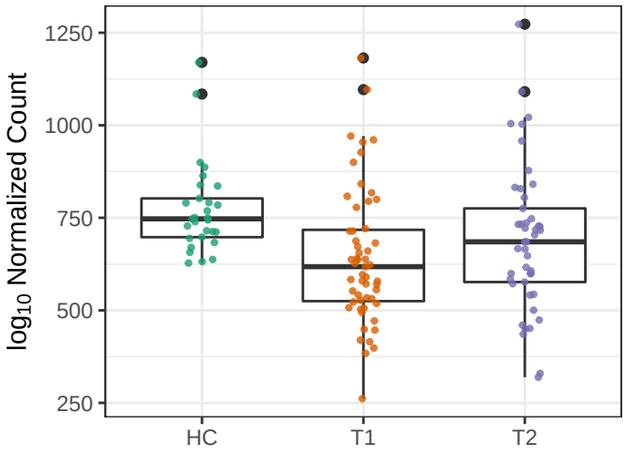
ILEUSYN−PWY: L−isoleucine biosynt

HC vs. T1 p = 0.0024
HC vs. T2 p = 0.18
T1 vs. T2 p = 0.23



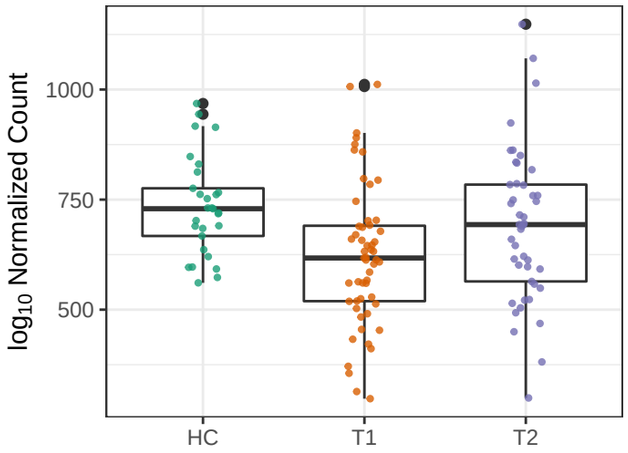
VALSYN−PWY: L−valine biosynthesis

HC vs. T1 p = 0.0024
HC vs. T2 p = 0.18
T1 vs. T2 p = 0.23



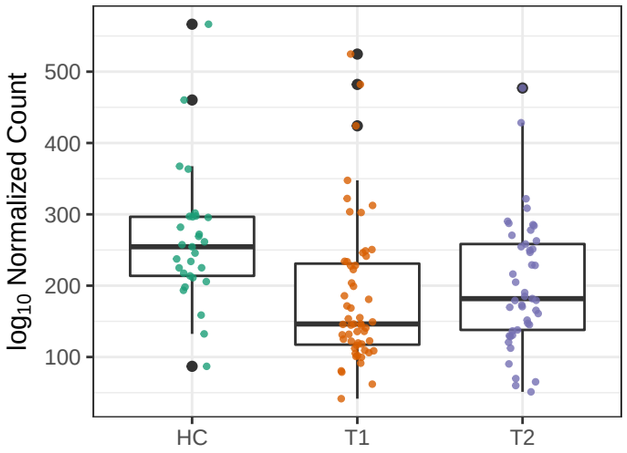
PWY−5686: UMP biosynthesis

HC vs. T1 p = 0.0033
HC vs. T2 p = 0.46
T1 vs. T2 p = 0.16



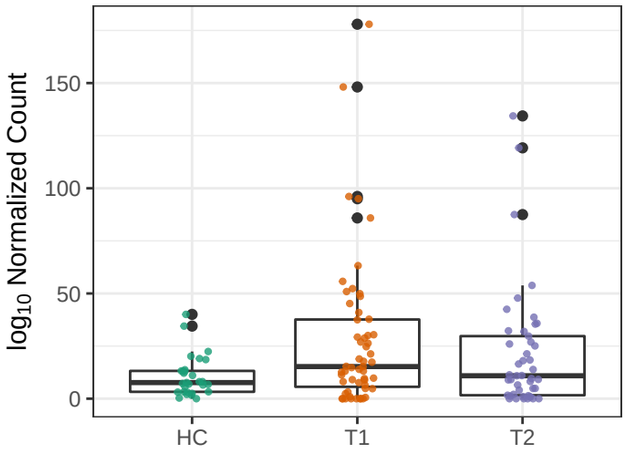
PWY−5100: pyruvate fermentation to a

HC vs. T1 p = 0.0049
HC vs. T2 p = 0.075
T1 vs. T2 p = 0.35



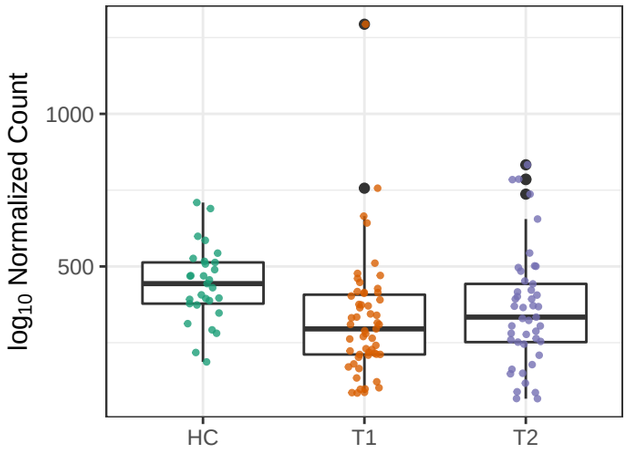
PWY−7323: superpathway of GDP−ma

HC vs. T1 p = 0.011
HC vs. T2 p = 0.16
T1 vs. T2 p = 0.47

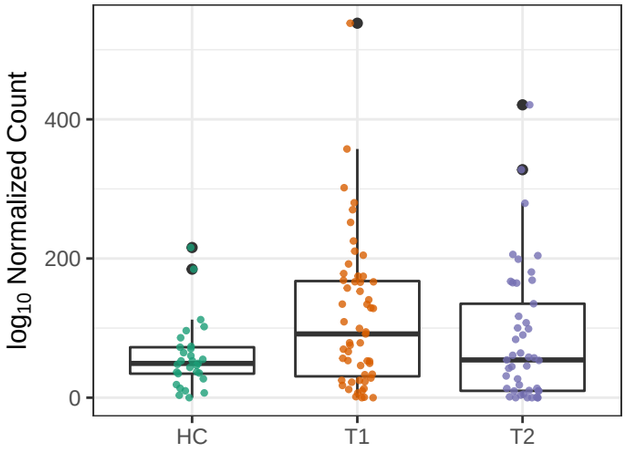


NONOXIPENT−PWY: pentose phosph

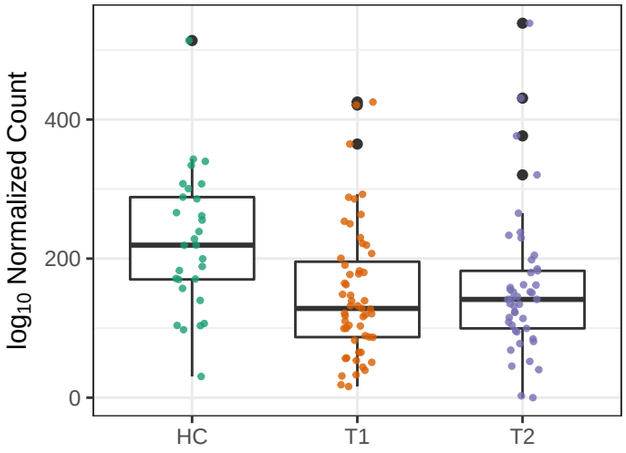
HC vs. T1 p = 0.011
HC vs. T2 p = 0.16
T1 vs. T2 p = 0.19



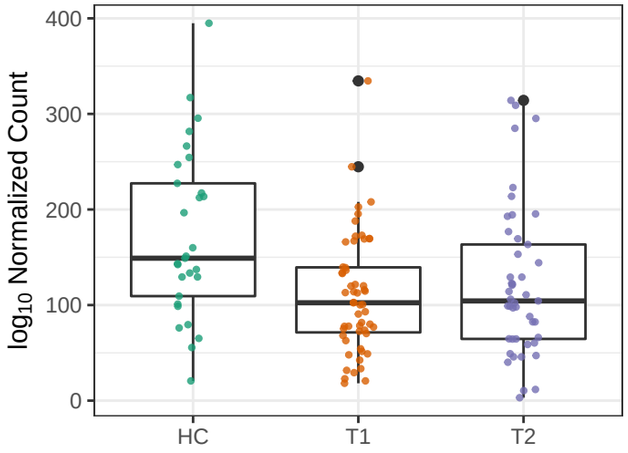
PYRIDOXSYN−PWY: pyridoxal 5'−pho
HC vs. T1 p = 0.012
HC vs. T2 p = 0.39
T1 vs. T2 p = 0.17



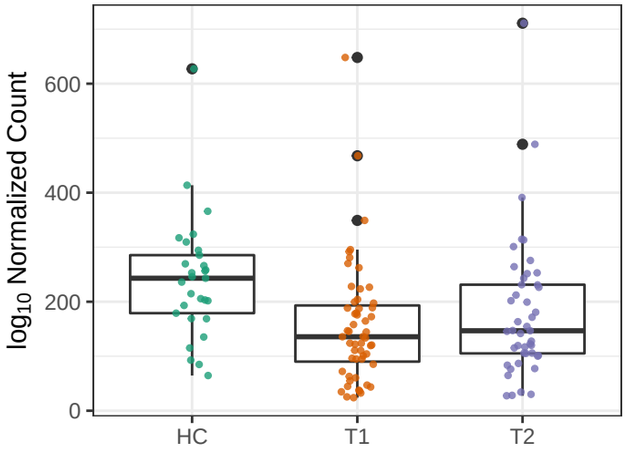
METSYN−PWY: L−homoserine and L−
HC vs. T1 p = 0.012
HC vs. T2 p = 0.075
T1 vs. T2 p = 0.67



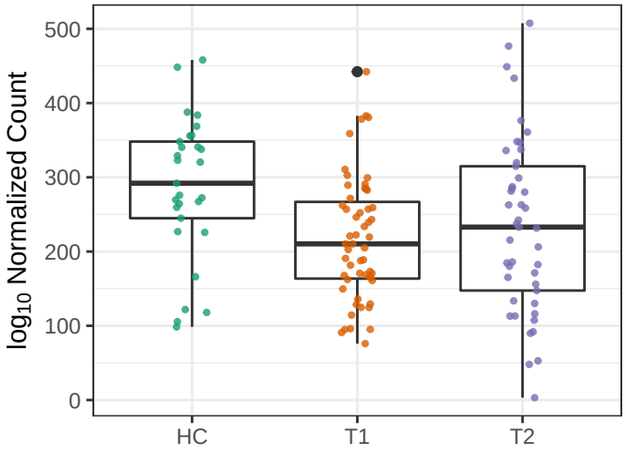
PWY−5659: GDP−mannose biosynthes
HC vs. T1 p = 0.012
HC vs. T2 p = 0.12
T1 vs. T2 p = 0.63



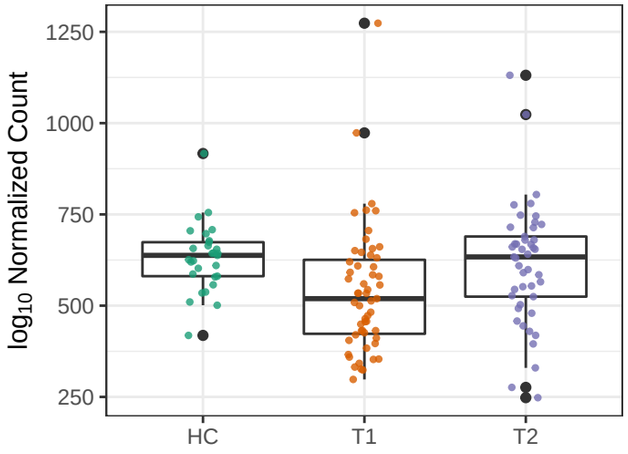
THISYNARA−PWY: superpathway of tl
HC vs. T1 p = 0.012
HC vs. T2 p = 0.18
T1 vs. T2 p = 0.17



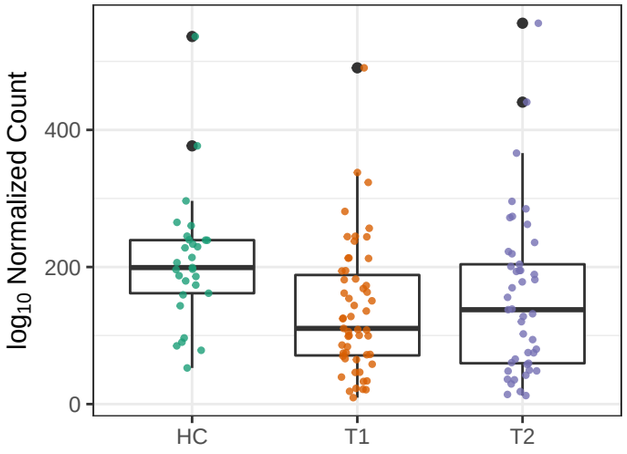
PWY−6527: stachyose degradation
HC vs. T1 p = 0.014
HC vs. T2 p = 0.19
T1 vs. T2 p = 0.49



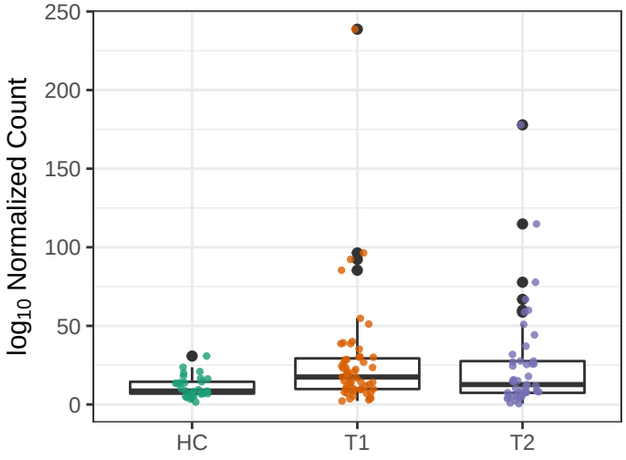
ARO−PWY: chorismate biosynthesis I
HC vs. T1 p = 0.015
HC vs. T2 p = 0.75
T1 vs. T2 p = 0.16



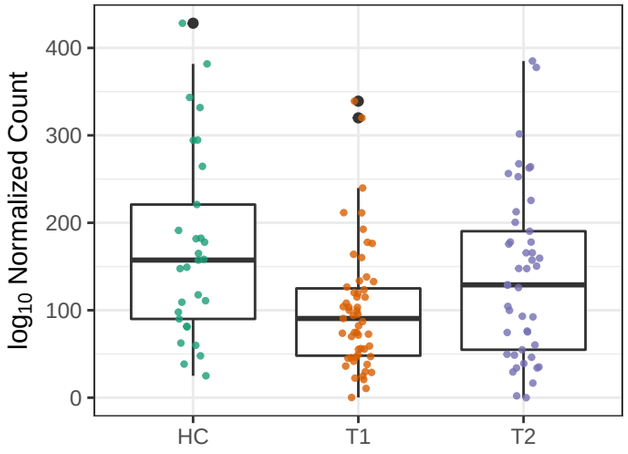
ASPASN−PWY: superpathway of L−as
HC vs. T1 p = 0.016
HC vs. T2 p = 0.19
T1 vs. T2 p = 0.3



P161−PWY: acetylene degradation
HC vs. T1 p = 0.018
HC vs. T2 p = 0.082
T1 vs. T2 p = 0.89

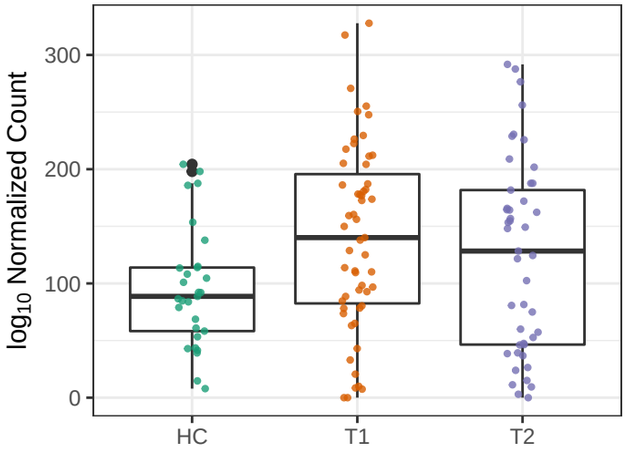


GLYCOGENSYNTH−PWY: glycogen b
HC vs. T1 p = 0.018
HC vs. T2 p = 0.5
T1 vs. T2 p = 0.17



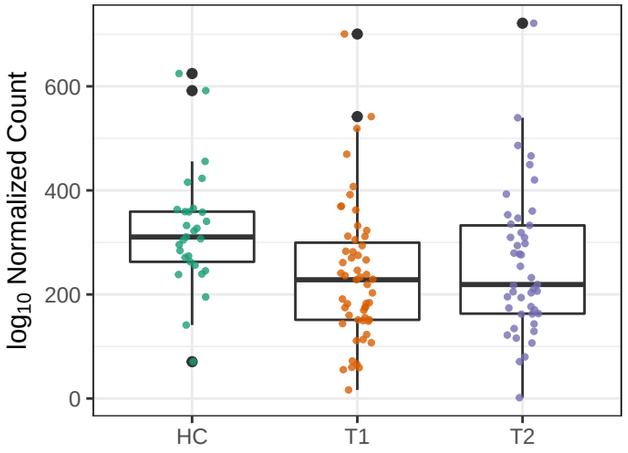
ANAEROFRUCAT−PWY: homolactic fe

HC vs. T1 p = 0.019
HC vs. T2 p = 0.27
T1 vs. T2 p = 0.47



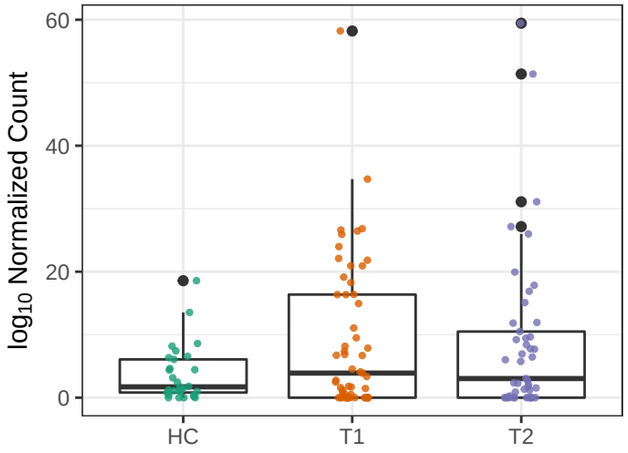
PWY−6123: inosine−5'−phosphate bios

HC vs. T1 p = 0.019
HC vs. T2 p = 0.18
T1 vs. T2 p = 0.22



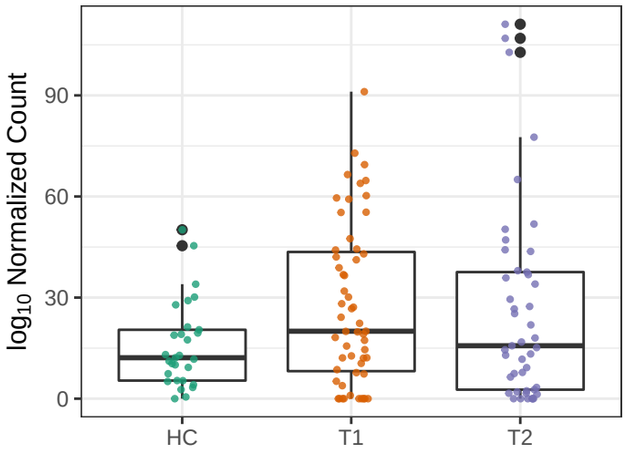
PWY−6531: mannitol cycle

HC vs. T1 p = 0.02
HC vs. T2 p = 0.13
T1 vs. T2 p = 0.75



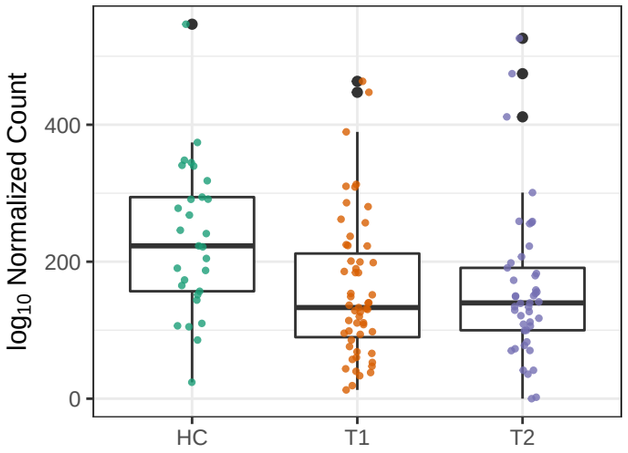
COLANSYN−PWY: colanic acid buildinç

HC vs. T1 p = 0.024
HC vs. T2 p = 0.19
T1 vs. T2 p = 0.89



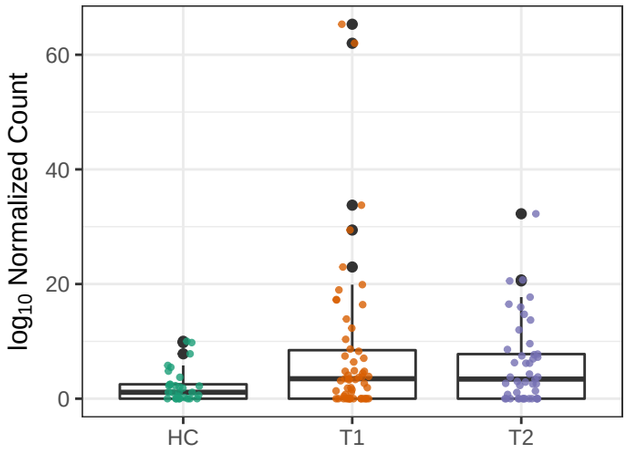
MET−SAM−PWY: superpathway of S−

HC vs. T1 p = 0.024
HC vs. T2 p = 0.075
T1 vs. T2 p = 0.86



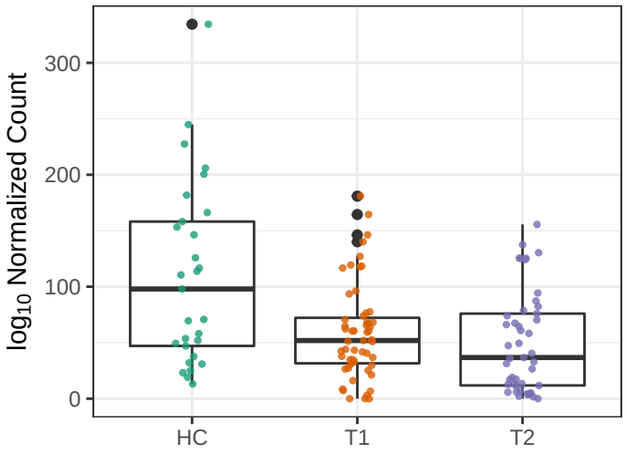
PWY−5464: superpathway of cytosolic g

HC vs. T1 p = 0.024
HC vs. T2 p = 0.062
T1 vs. T2 p = 0.73



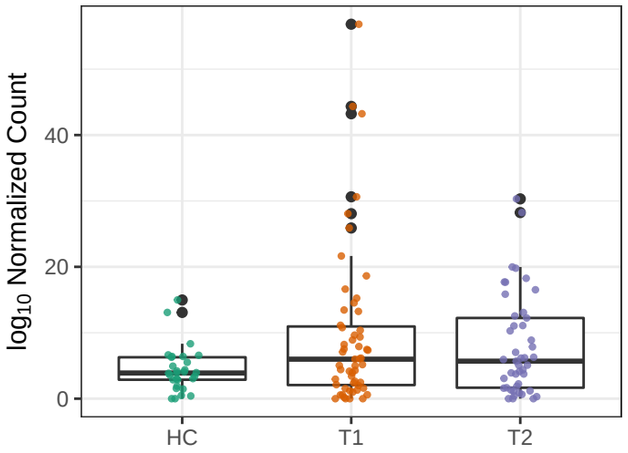
PWY0−781: aspartate superpathway

HC vs. T1 p = 0.024
HC vs. T2 p = 0.037
T1 vs. T2 p = 0.79



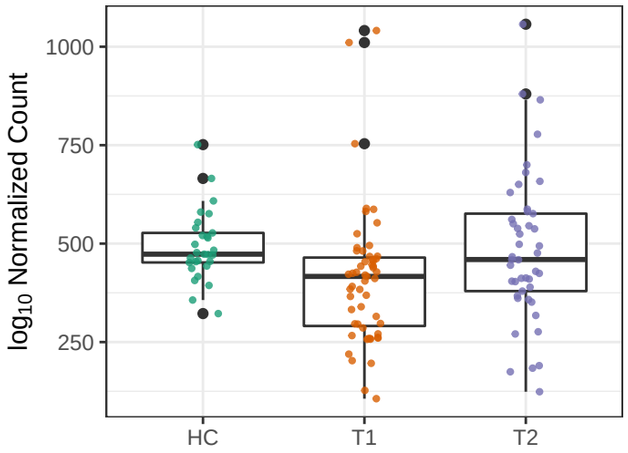
HEME−BIOSYNTHESIS−II: heme biosy

HC vs. T1 p = 0.024
HC vs. T2 p = 0.085
T1 vs. T2 p = 0.48



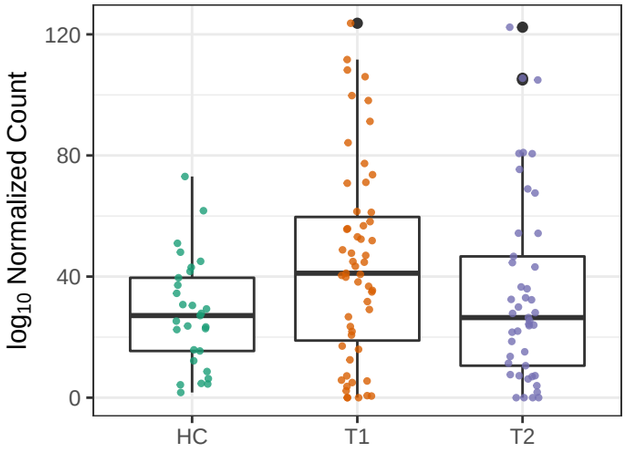
PWY0−1296: purine ribonucleosides d

HC vs. T1 p = 0.024
HC vs. T2 p = 0.91
T1 vs. T2 p = 0.16



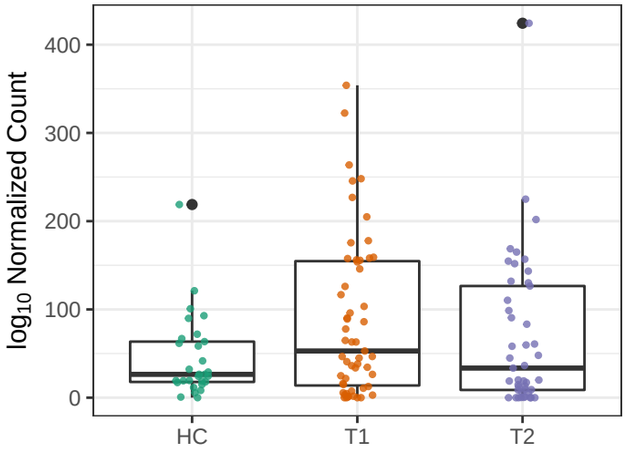
PWY66−399: gluconeogenesis III

HC vs. T1 p = 0.024
HC vs. T2 p = 0.54
T1 vs. T2 p = 0.17



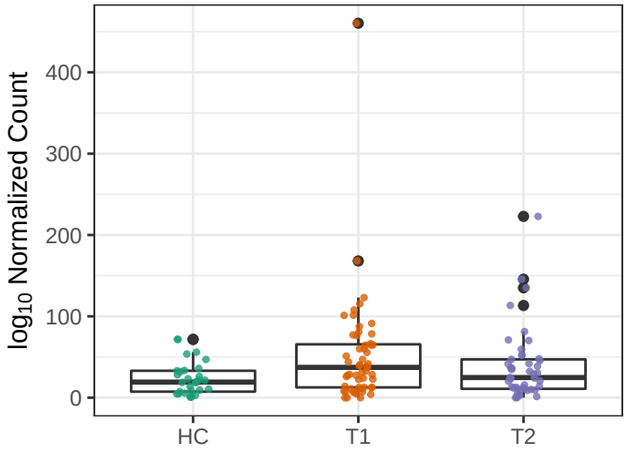
ARGININE−SYN4−PWY: L−ornithine d

HC vs. T1 p = 0.028
HC vs. T2 p = 0.39
T1 vs. T2 p = 0.23



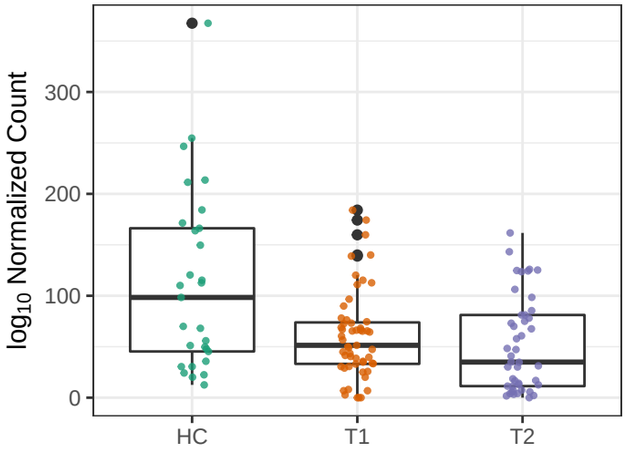
CITRULBIO−PWY: L−citrulline biosynth

HC vs. T1 p = 0.028
HC vs. T2 p = 0.22
T1 vs. T2 p = 0.45



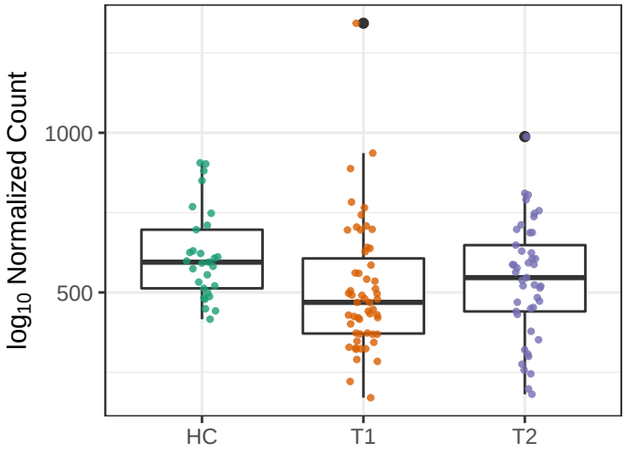
P4−PWY: superpathway of L−lysine, L·

HC vs. T1 p = 0.028
HC vs. T2 p = 0.042
T1 vs. T2 p = 0.78



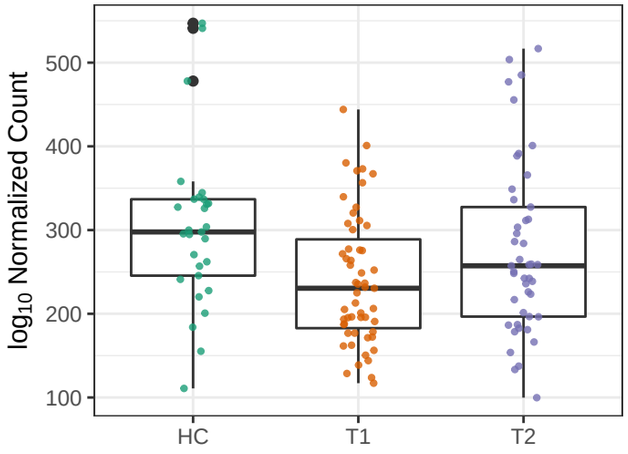
PWY−6151: S−adenosyl−L−methionir

HC vs. T1 p = 0.028
HC vs. T2 p = 0.19
T1 vs. T2 p = 0.22



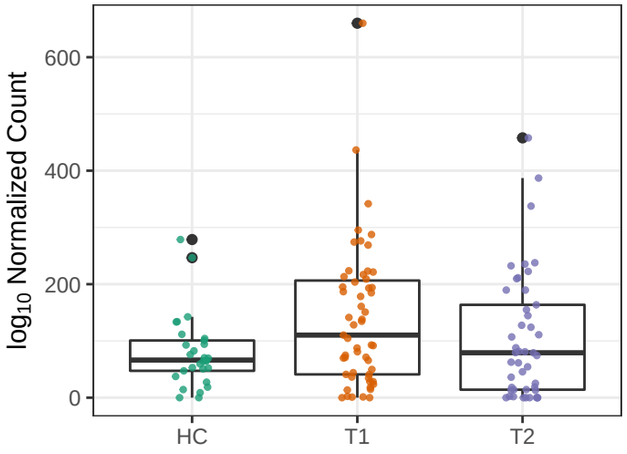
PWY−6609: adenine and adenosine sa

HC vs. T1 p = 0.028
HC vs. T2 p = 0.57
T1 vs. T2 p = 0.25



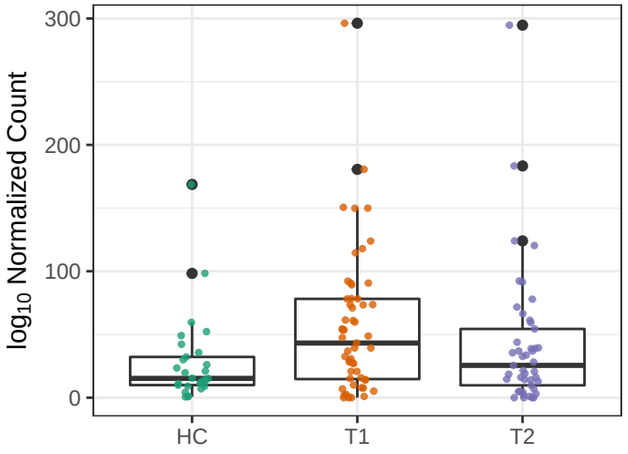
PWY0−845: superpathway of pyridoxal

HC vs. T1 p = 0.028
HC vs. T2 p = 0.52
T1 vs. T2 p = 0.17



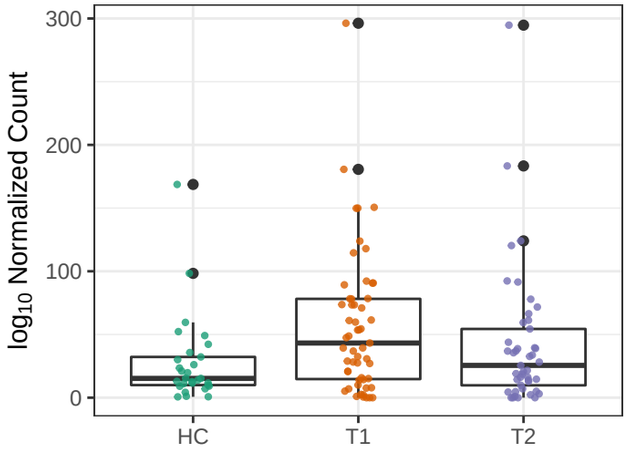
PWY4FS−7: phosphatidylglycerol biosy

HC vs. T1 p = 0.028
HC vs. T2 p = 0.46
T1 vs. T2 p = 0.31



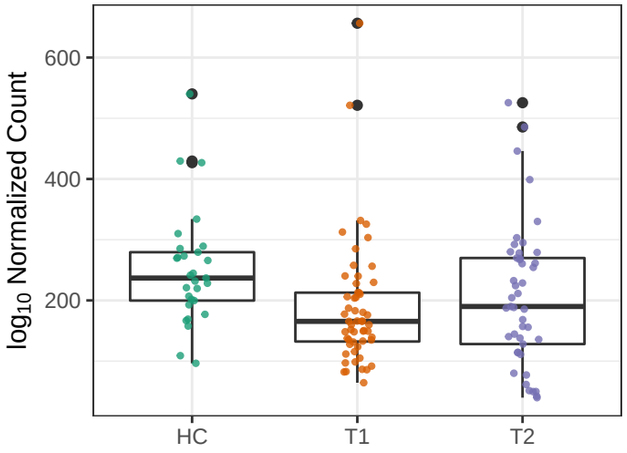
PWY4FS−8: phosphatidylglycerol biosy

HC vs. T1 p = 0.028
HC vs. T2 p = 0.46
T1 vs. T2 p = 0.31



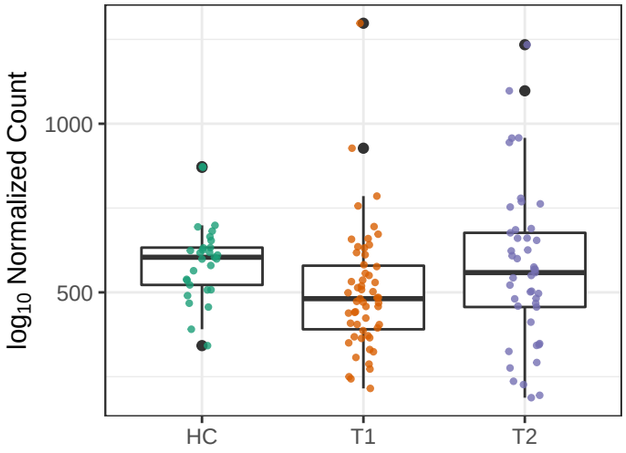
COA−PWY: coenzyme A biosynthesis

HC vs. T1 p = 0.03
HC vs. T2 p = 0.28
T1 vs. T2 p = 0.23



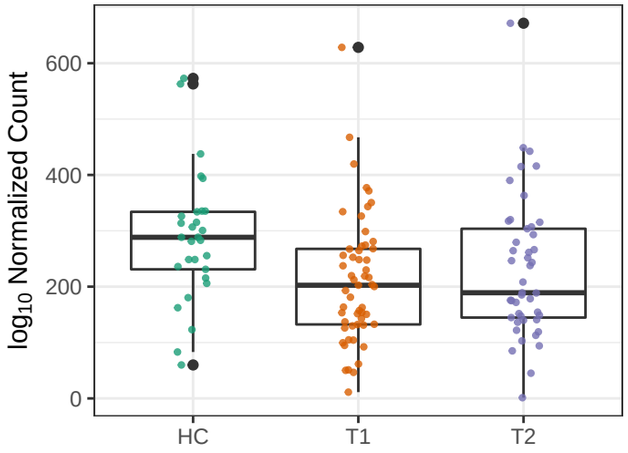
PWY−1042: glycolysis IV (plant cytosc

HC vs. T1 p = 0.03
HC vs. T2 p = 0.75
T1 vs. T2 p = 0.24



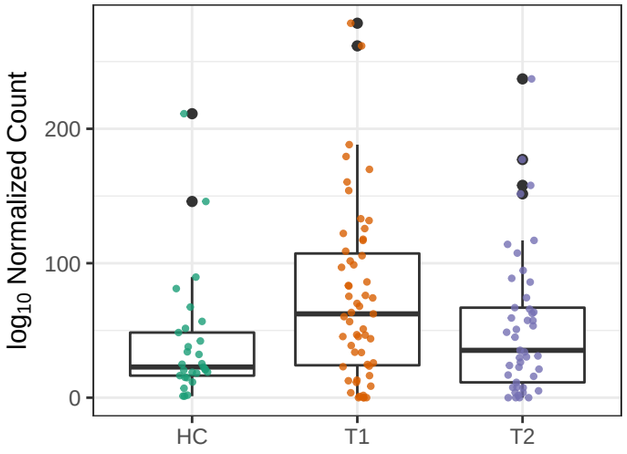
PWY−6124: inosine−5'−phosphate bios

HC vs. T1 p = 0.03
HC vs. T2 p = 0.22
T1 vs. T2 p = 0.25



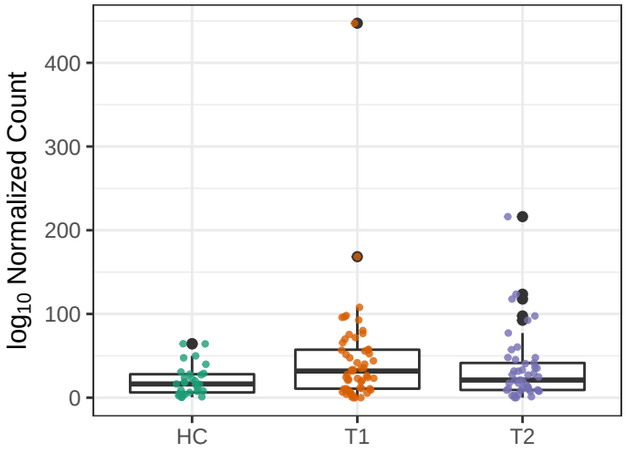
PHOSLIPSYN−PWY: superpathway of

HC vs. T1 p = 0.031
HC vs. T2 p = 0.57
T1 vs. T2 p = 0.22



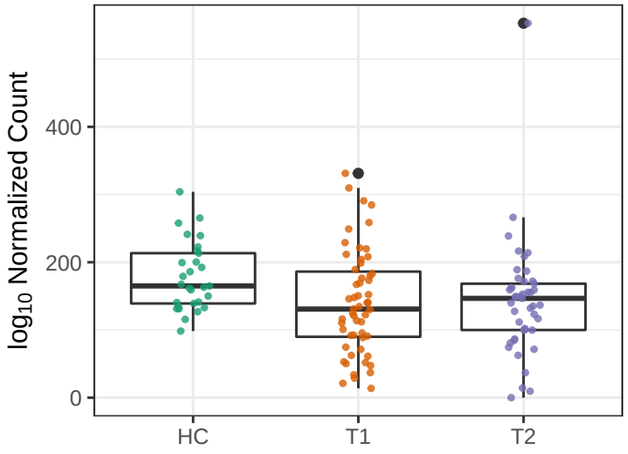
PWY−4984: urea cycle

HC vs. T1 p = 0.034
HC vs. T2 p = 0.19
T1 vs. T2 p = 0.49



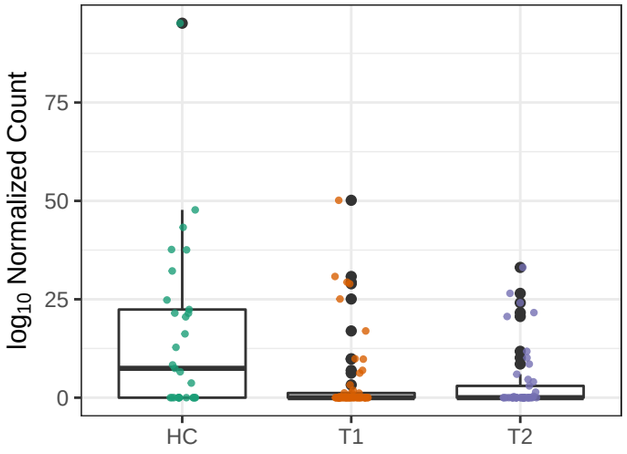
PYRIDNUCSYN−PWY: NAD biosynthe

HC vs. T1 p = 0.036
HC vs. T2 p = 0.16
T1 vs. T2 p = 0.83



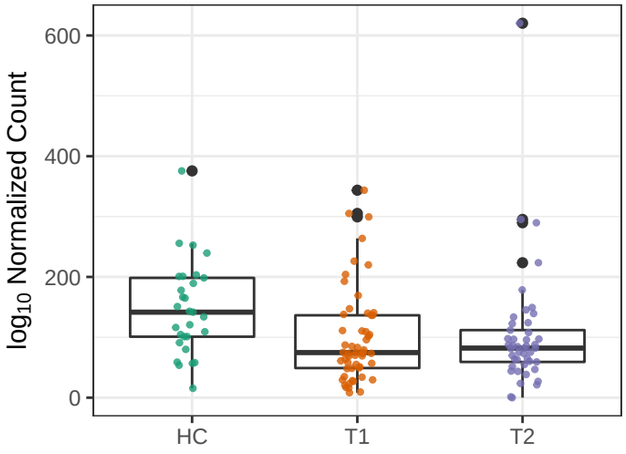
PWY−7209: superpathway of pyrimidine

HC vs. T1 p = 0.039
HC vs. T2 p = 0.078
T1 vs. T2 p = 0.92



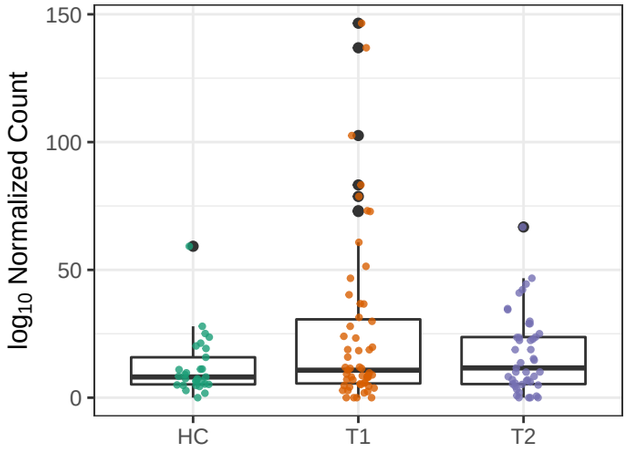
HOMOSER−METSYN−PWY: L−methic

HC vs. T1 p = 0.04
HC vs. T2 p = 0.19
T1 vs. T2 p = 0.71



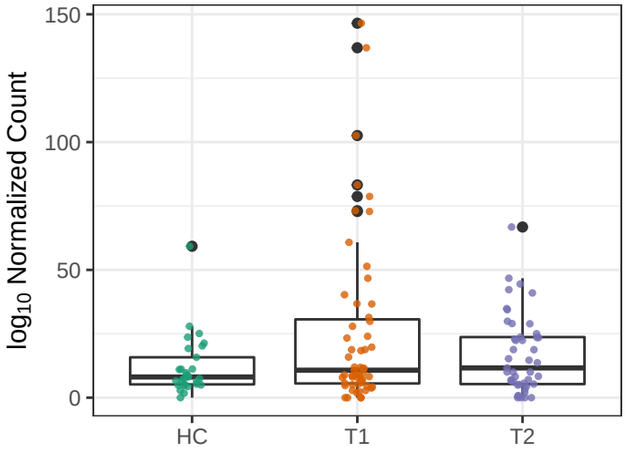
PWY−5897: superpathway of menaqui

HC vs. T1 p = 0.04
HC vs. T2 p = 0.39
T1 vs. T2 p = 0.24



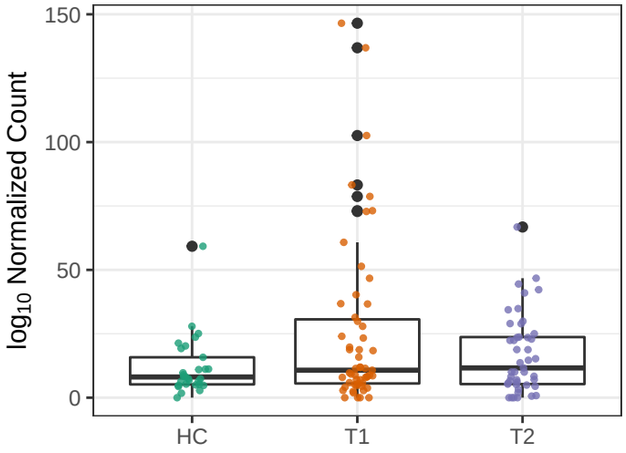
PWY−5898: superpathway of menaqui

HC vs. T1 p = 0.04
HC vs. T2 p = 0.39
T1 vs. T2 p = 0.24



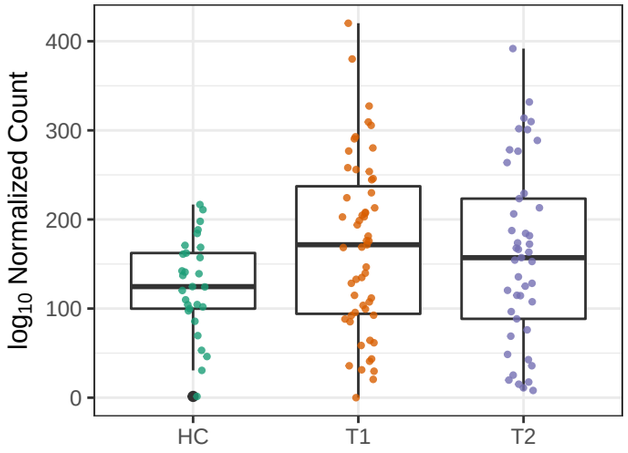
PWY−5899: superpathway of menaqui

HC vs. T1 p = 0.04
HC vs. T2 p = 0.39
T1 vs. T2 p = 0.24



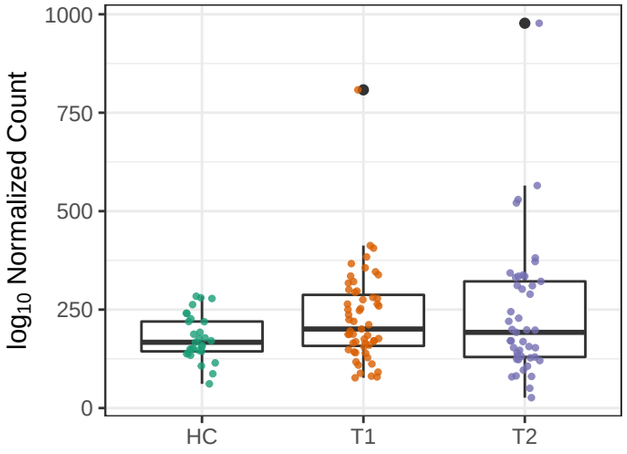
PWY−6168: flavin biosynthesis III (fung

HC vs. T1 p = 0.04
HC vs. T2 p = 0.25
T1 vs. T2 p = 0.52



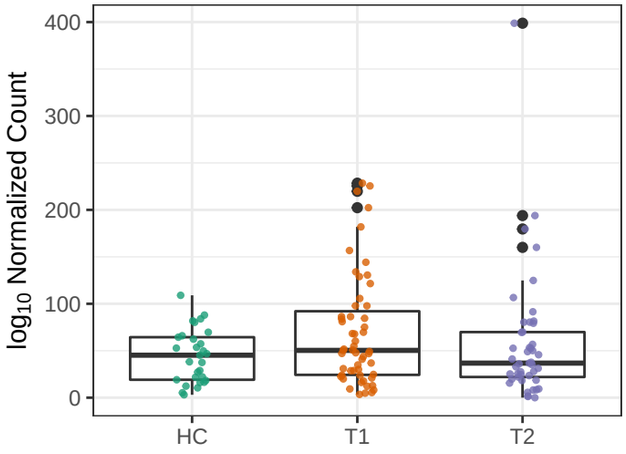
PWY−6703: preQ0 biosynthesis

HC vs. T1 p = 0.04
HC vs. T2 p = 0.18
T1 vs. T2 p = 0.9



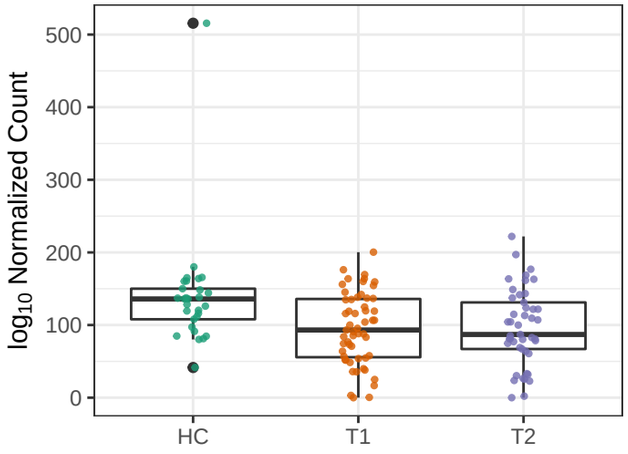
PWY−5154: L−arginine biosynthesis III

HC vs. T1 p = 0.042
HC vs. T2 p = 0.54
T1 vs. T2 p = 0.54



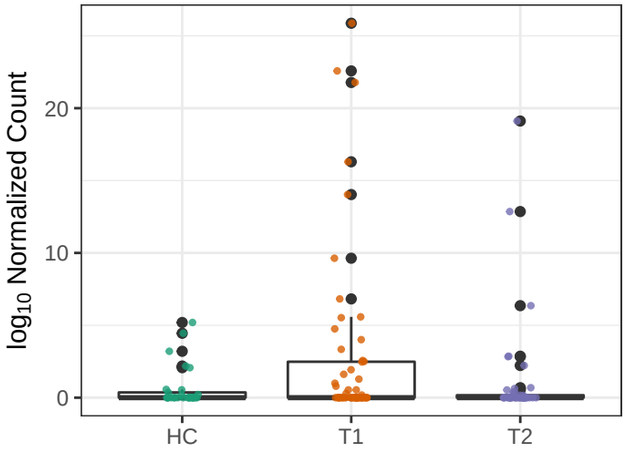
PWY−7383: anaerobic energy metabol

HC vs. T1 p = 0.042
HC vs. T2 p = 0.12
T1 vs. T2 p = 0.81



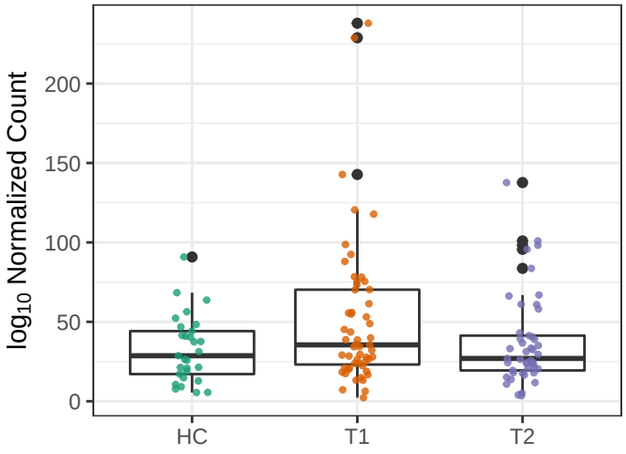
GLUCARDEG−PWY: D−glucarate degra

HC vs. T1 p = 0.052
HC vs. T2 p = 0.69
T1 vs. T2 p = 0.23



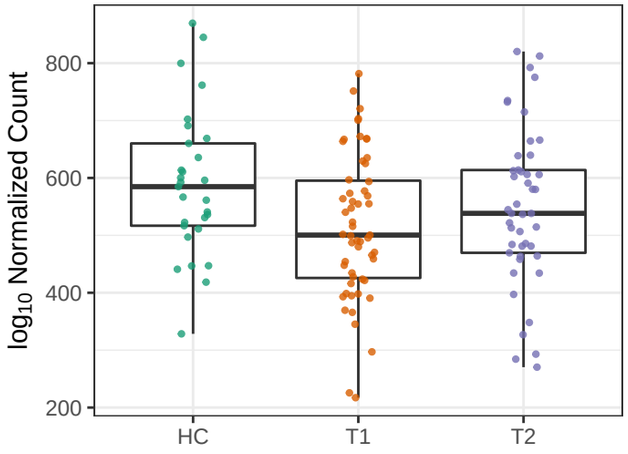
HISDEG−PWY: L−histidine degradatio

HC vs. T1 p = 0.052
HC vs. T2 p = 0.67
T1 vs. T2 p = 0.2



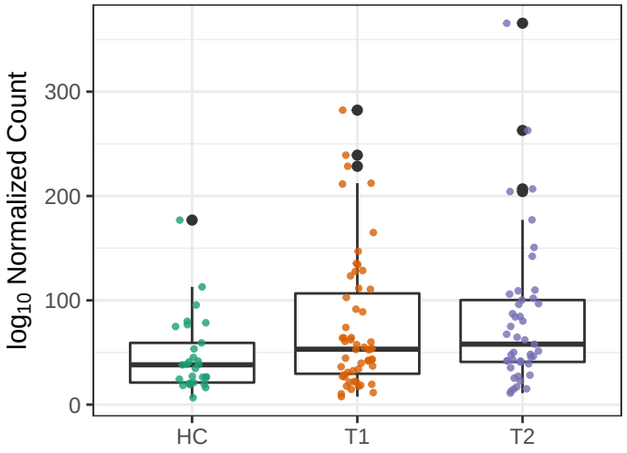
NONMEVIPP−PWY: methylerythritol pl

HC vs. T1 p = 0.052
HC vs. T2 p = 0.52
T1 vs. T2 p = 0.26



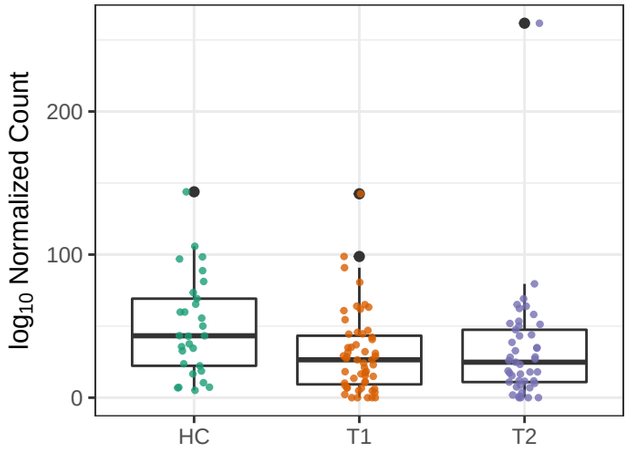
PWY0−1297: superpathway of purine d

HC vs. T1 p = 0.054
HC vs. T2 p = 0.082
T1 vs. T2 p = 0.77



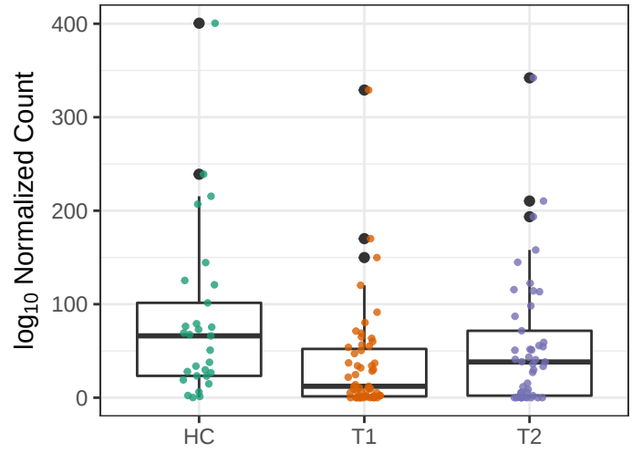
ARG+POLYAMINE−SYN: superpathwa

HC vs. T1 p = 0.059
HC vs. T2 p = 0.27
T1 vs. T2 p = 0.76



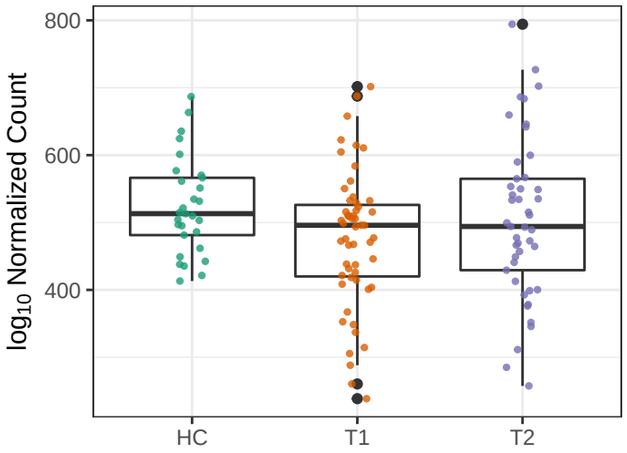
PWY−5367: petroselinate biosynthesis

HC vs. T1 p = 0.059
HC vs. T2 p = 0.5
T1 vs. T2 p = 0.41



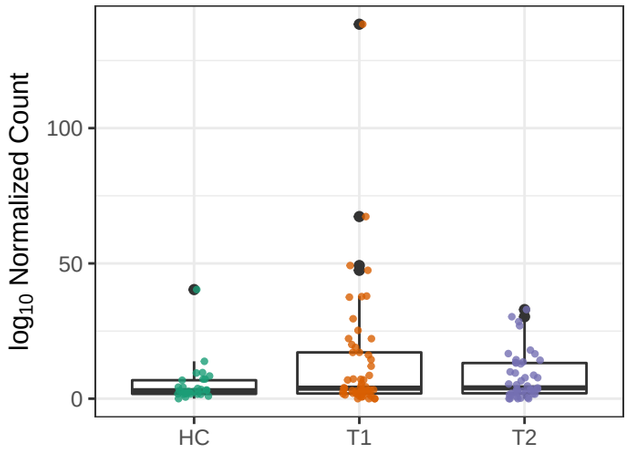
PWY−5097: L−lysine biosynthesis VI

HC vs. T1 p = 0.06
HC vs. T2 p = 0.63
T1 vs. T2 p = 0.65



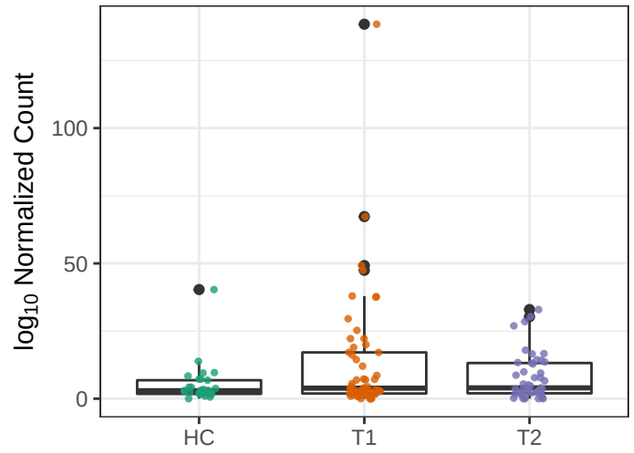
PWY−5791: 1,4−dihydroxy−2−naphtho

HC vs. T1 p = 0.064
HC vs. T2 p = 0.42
T1 vs. T2 p = 0.24



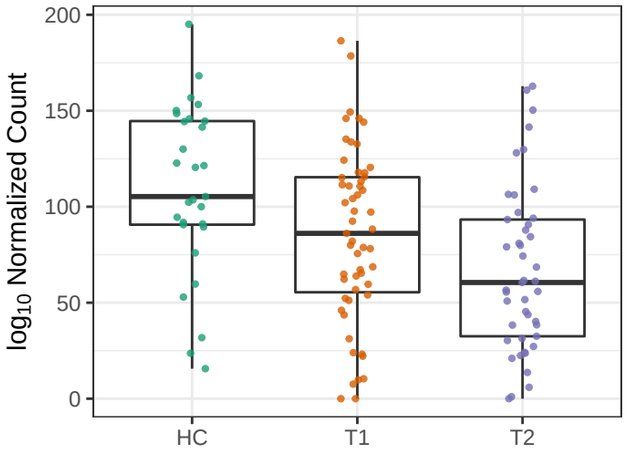
PWY−5837: 1,4−dihydroxy−2−naphtho

HC vs. T1 p = 0.064
HC vs. T2 p = 0.42
T1 vs. T2 p = 0.24



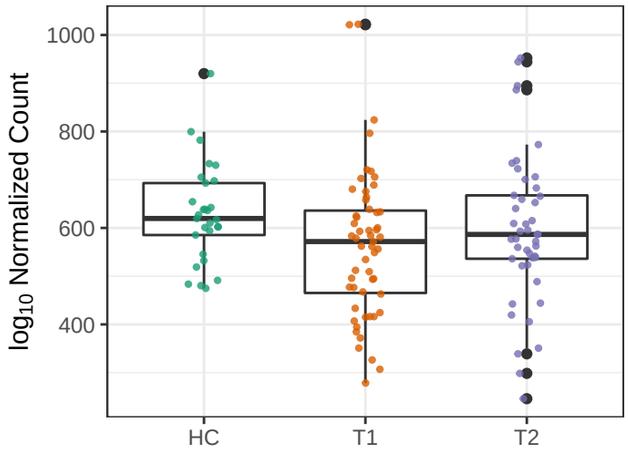
PRPP−PWY: superpathway of histidine

HC vs. T1 p = 0.074
HC vs. T2 p = 0.03
T1 vs. T2 p = 0.17



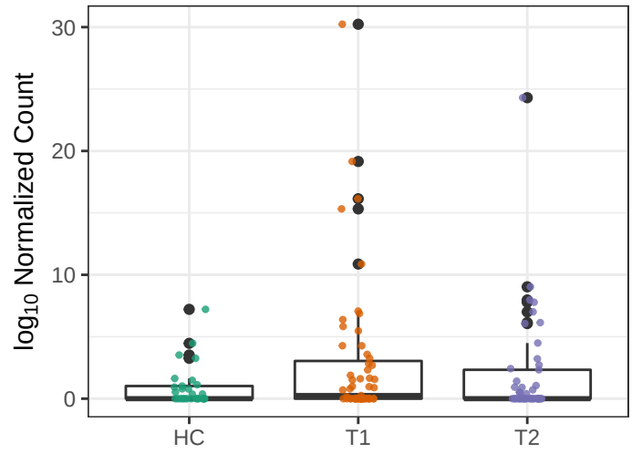
COA−PWY−1: coenzyme A biosynthe

HC vs. T1 p = 0.076
HC vs. T2 p = 0.56
T1 vs. T2 p = 0.26



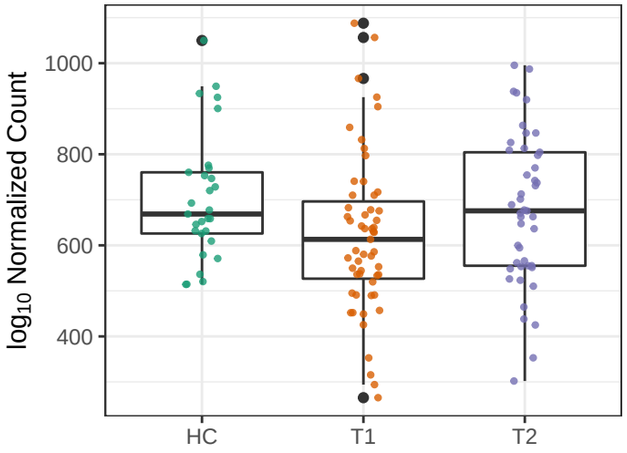
P122−PWY: heterolactic fermentation

HC vs. T1 p = 0.076
HC vs. T2 p = 0.42
T1 vs. T2 p = 0.43



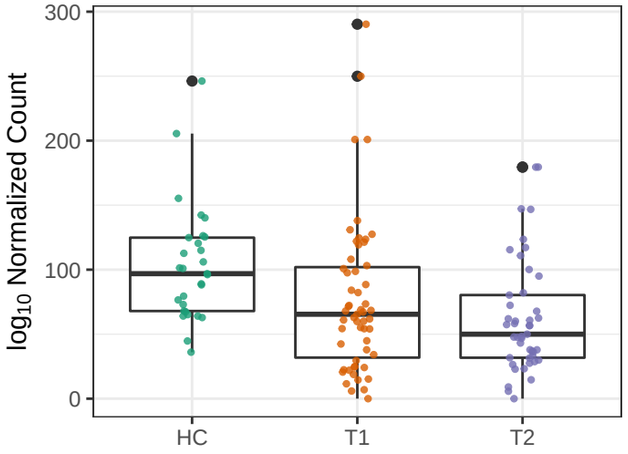
PWY−6387: UDP−N−acetylmuramoyl·

HC vs. T1 p = 0.076
HC vs. T2 p = 0.69
T1 vs. T2 p = 0.17



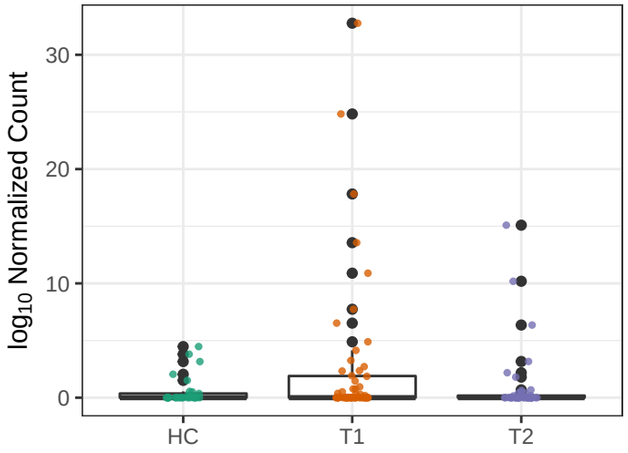
HSERMETANA−PWY: L−methionine bi

HC vs. T1 p = 0.081
HC vs. T2 p = 0.03
T1 vs. T2 p = 0.49



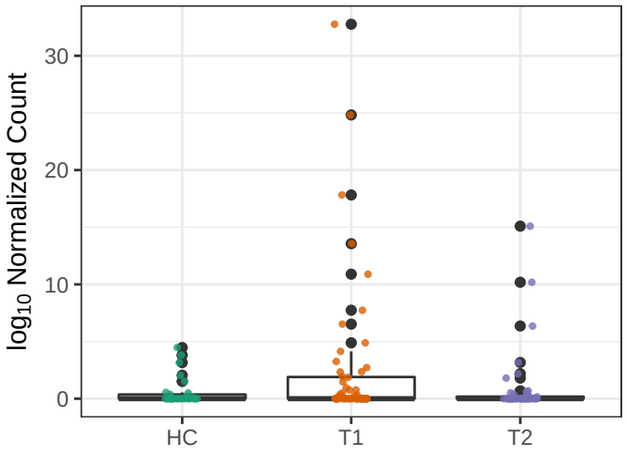
GALACTARDEG−PWY: D−galactarate d

HC vs. T1 p = 0.083
HC vs. T2 p = 0.69
T1 vs. T2 p = 0.25



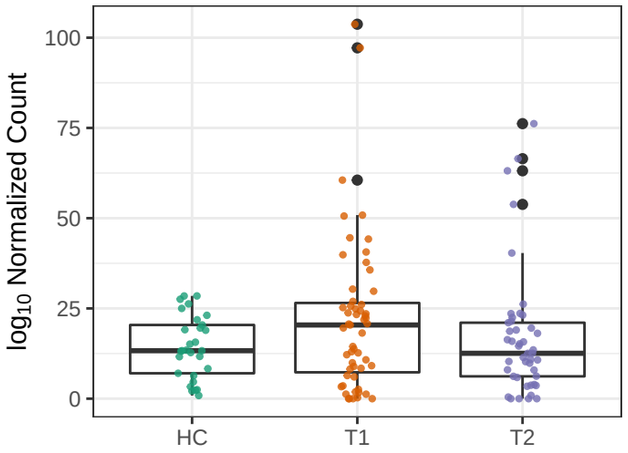
GLUCARGALACTSUPER−PWY: super

HC vs. T1 p = 0.083
HC vs. T2 p = 0.69
T1 vs. T2 p = 0.25



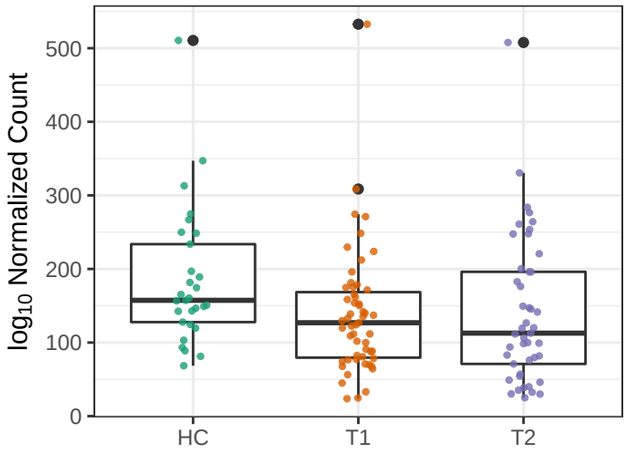
P185−PWY: formaldehyde assimilation

HC vs. T1 p = 0.085
HC vs. T2 p = 0.63
T1 vs. T2 p = 0.26



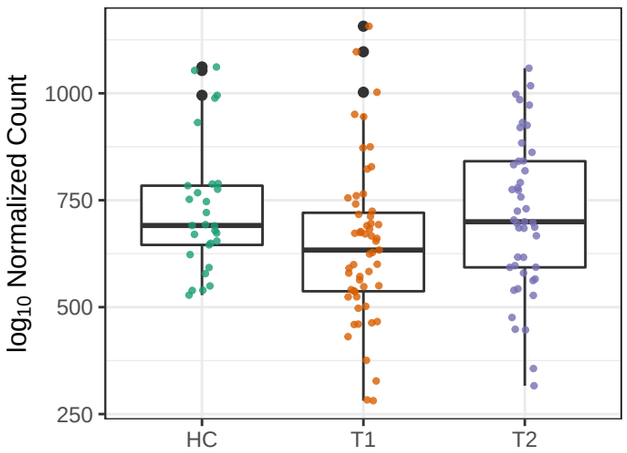
PWY−4242: pantothenate and coenzyr

HC vs. T1 p = 0.088
HC vs. T2 p = 0.24
T1 vs. T2 p = 0.62



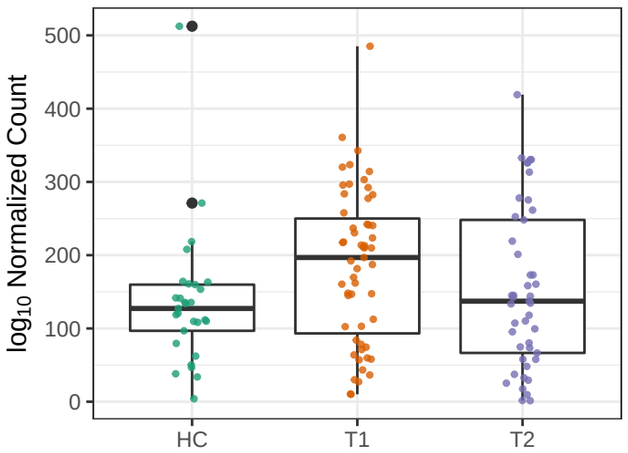
PWY−6386: UDP−N−acetylmuramoyl·

HC vs. T1 p = 0.088
HC vs. T2 p = 0.83
T1 vs. T2 p = 0.16



PWY−7663: gondoate biosynthesis (ar

HC vs. T1 p = 0.09
HC vs. T2 p = 0.69
T1 vs. T2 p = 0.16



PWY−5989: stearate biosynthesis II (ba

HC vs. T1 p = 0.091
HC vs. T2 p = 0.72
T1 vs. T2 p = 0.36