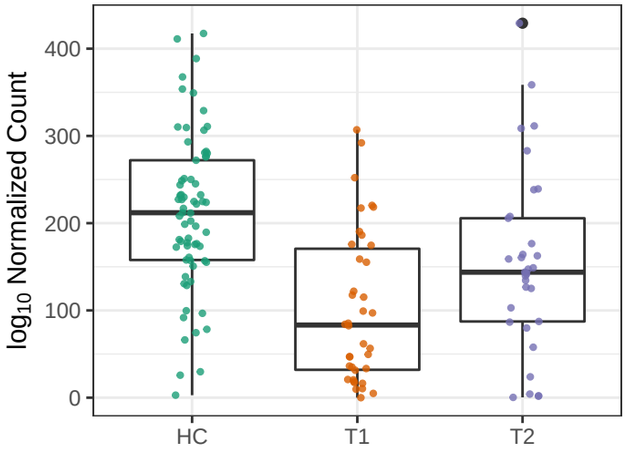
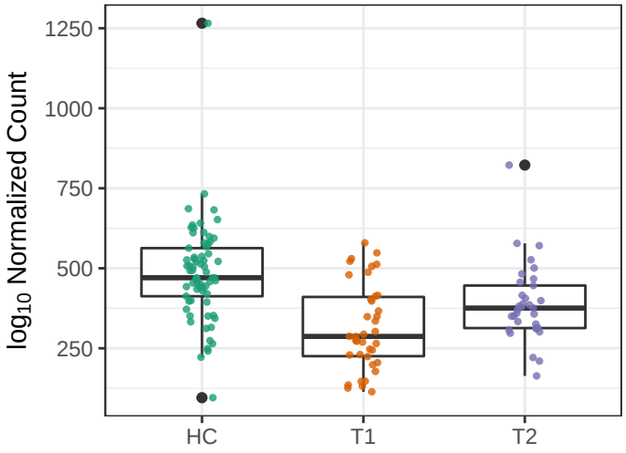
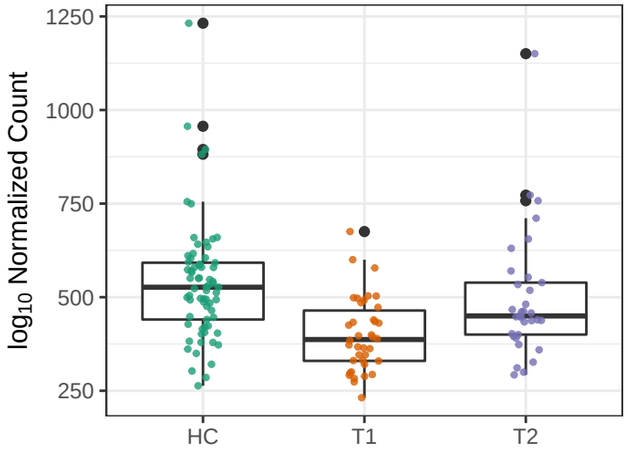
COBALSYN−PWY: adenosylcobalamir
HC vs. T1 p = 7.6e−06
HC vs. T2 p = 0.075
T1 vs. T2 p = 0.13



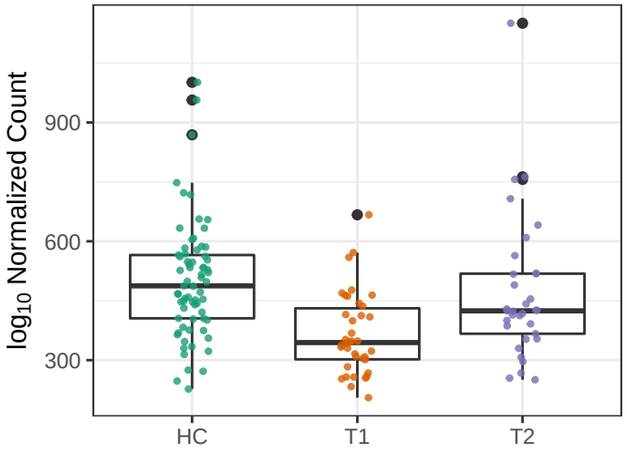
DTDPRHAMSYN−PWY: dTDP−L−rha
HC vs. T1 p = 1.3e−05
HC vs. T2 p = 0.05
T1 vs. T2 p = 0.13



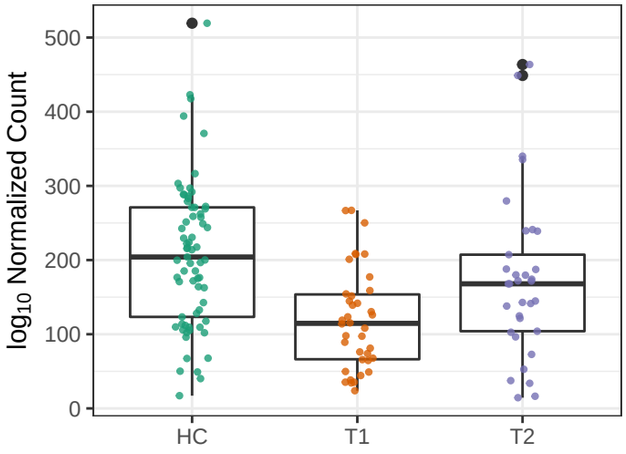
BRANCHED−CHAIN−AA−SYN−PWY
HC vs. T1 p = 1.7e−05
HC vs. T2 p = 0.38
T1 vs. T2 p = 0.13



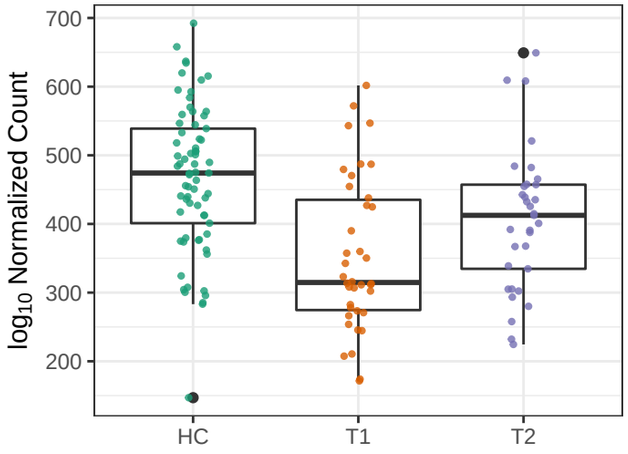
PWY−5103: L−isoleucine biosynthesis
HC vs. T1 p = 1.7e−05
HC vs. T2 p = 0.52
T1 vs. T2 p = 0.13



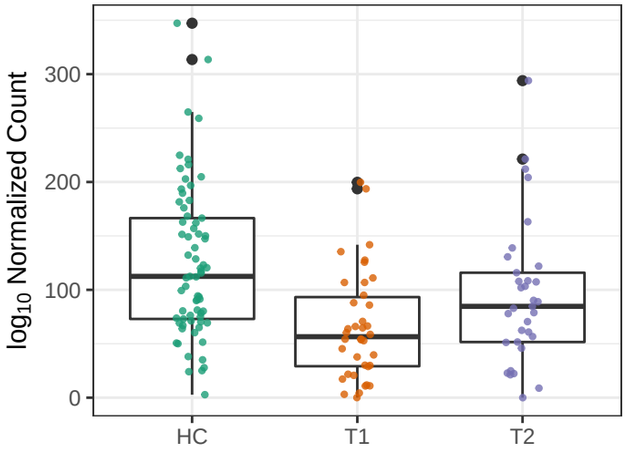
PWY−7242: D−fructuronate degradatic
HC vs. T1 p = 2.9e−05
HC vs. T2 p = 0.27
T1 vs. T2 p = 0.13



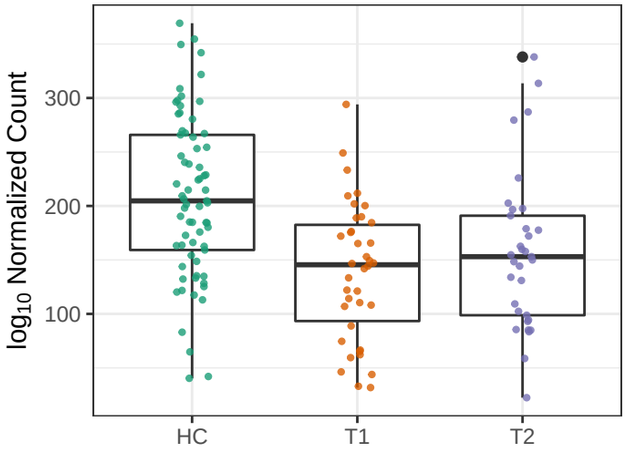
CALVIN−PWY: Calvin−Benson−Bassha
HC vs. T1 p = 1e−04
HC vs. T2 p = 0.07
T1 vs. T2 p = 0.14



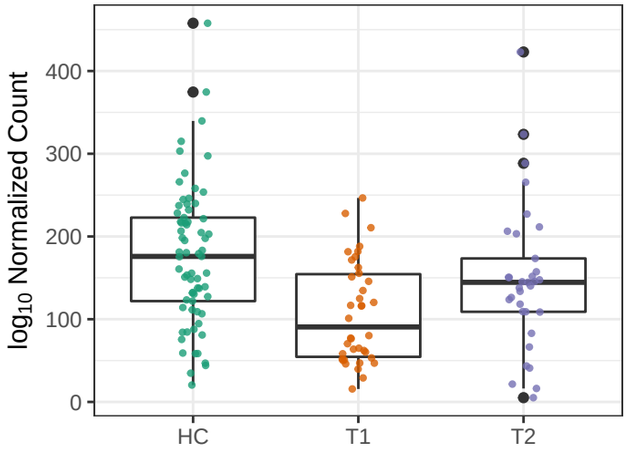
PWY−5177: glutaryl−CoA degradation
HC vs. T1 p = 1e−04
HC vs. T2 p = 0.13
T1 vs. T2 p = 0.14



PWY−5347: superpathway of L−methic
HC vs. T1 p = 1e−04
HC vs. T2 p = 0.05
T1 vs. T2 p = 0.35

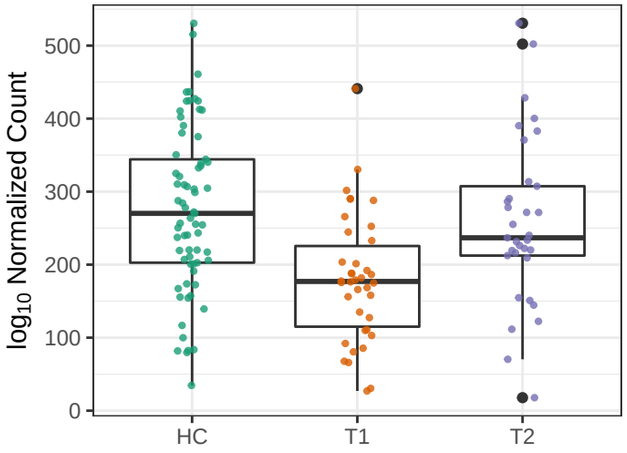


GLUCUROCAT−PWY: superpathway o
HC vs. T1 p = 0.00015
HC vs. T2 p = 0.27
T1 vs. T2 p = 0.16



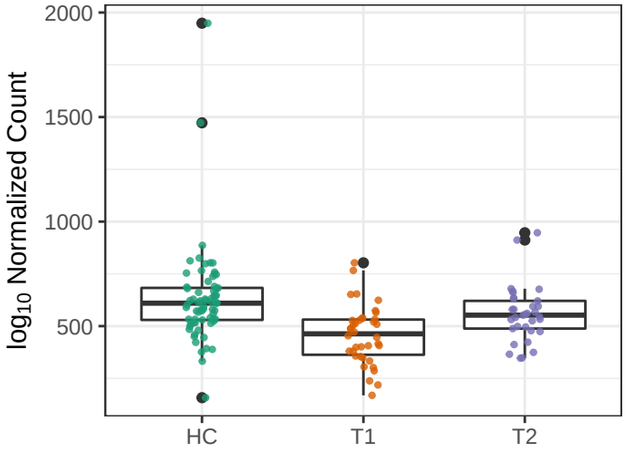
SER−GLYSYN−PWY: superpathway of

HC vs. T1 p = 0.00015
HC vs. T2 p = 0.61
T1 vs. T2 p = 0.13



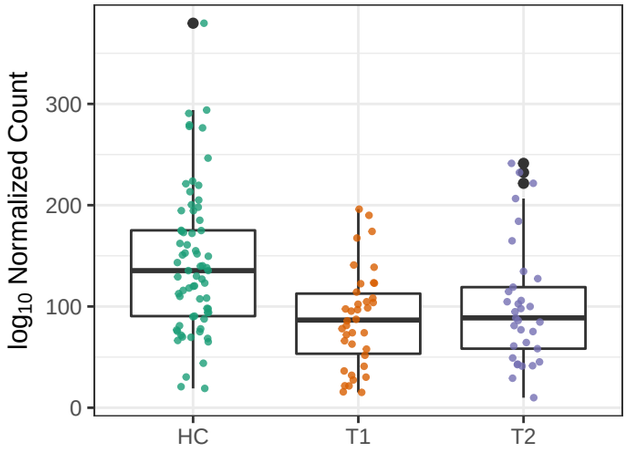
PWY−6151: S−adenosyl−L−methionir

HC vs. T1 p = 0.00015
HC vs. T2 p = 0.14
T1 vs. T2 p = 0.056



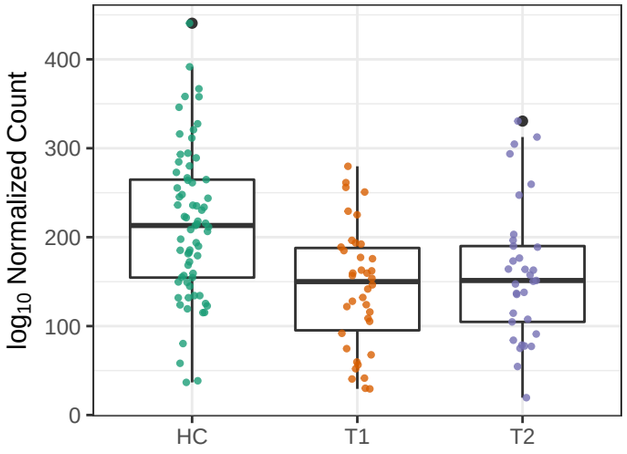
HOMOSER−METSYN−PWY: L−methio

HC vs. T1 p = 0.00016
HC vs. T2 p = 0.05
T1 vs. T2 p = 0.34



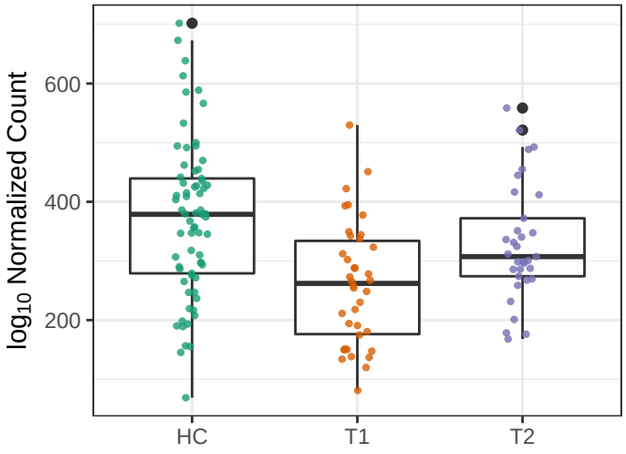
METSYN−PWY: L−homoserine and L−

HC vs. T1 p = 2e−04
HC vs. T2 p = 0.05
T1 vs. T2 p = 0.39



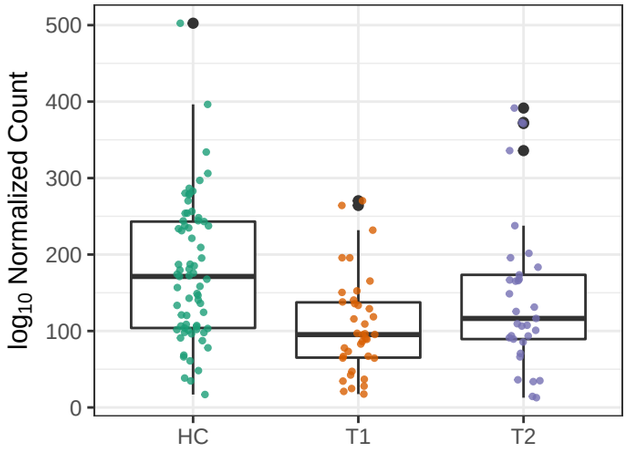
PWY−7357: thiamin formation from pyr

HC vs. T1 p = 2e−04
HC vs. T2 p = 0.21
T1 vs. T2 p = 0.13



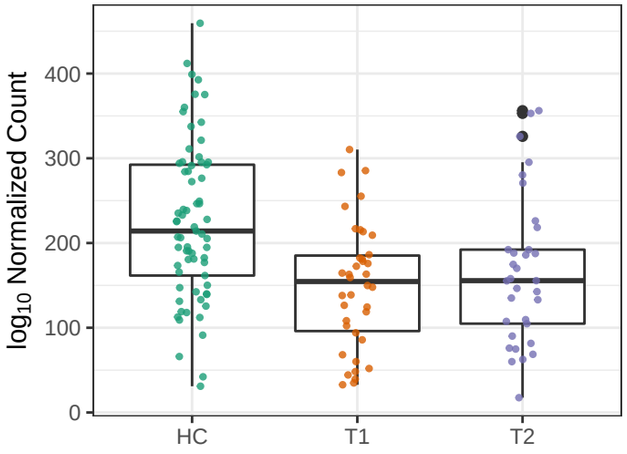
PWY−6507: 4−deoxy−L−threo−hex−4−

HC vs. T1 p = 0.00021
HC vs. T2 p = 0.26
T1 vs. T2 p = 0.19



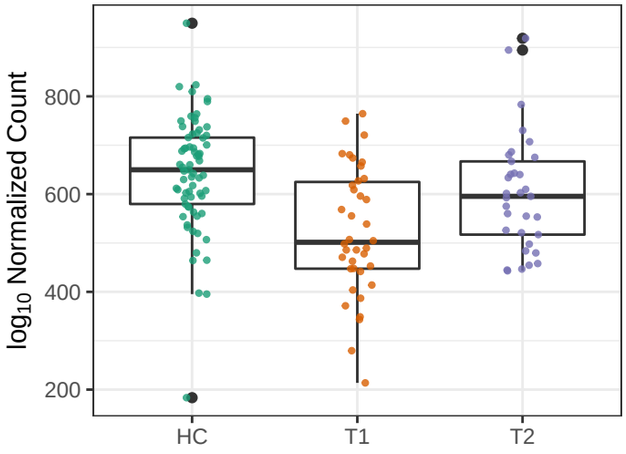
MET−SAM−PWY: superpathway of S−

HC vs. T1 p = 0.00024
HC vs. T2 p = 0.05
T1 vs. T2 p = 0.43



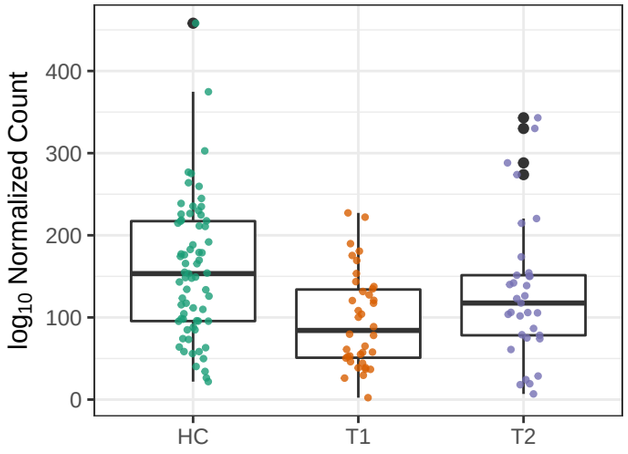
ARO−PWY: chorismate biosynthesis I

HC vs. T1 p = 0.00026
HC vs. T2 p = 0.22
T1 vs. T2 p = 0.13



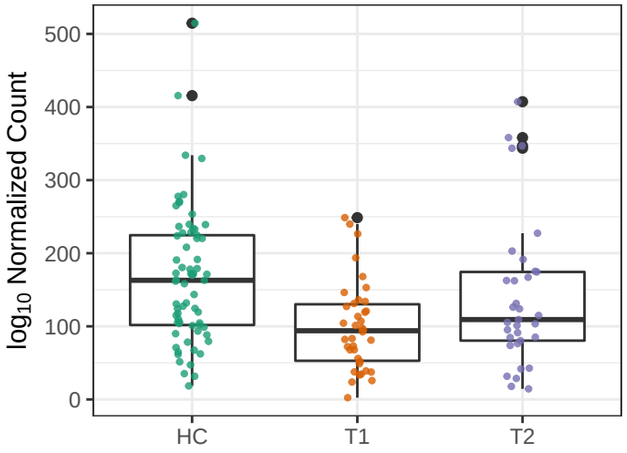
GALACT−GLUCUROCAT−PWY: super

HC vs. T1 p = 0.00026
HC vs. T2 p = 0.26
T1 vs. T2 p = 0.21



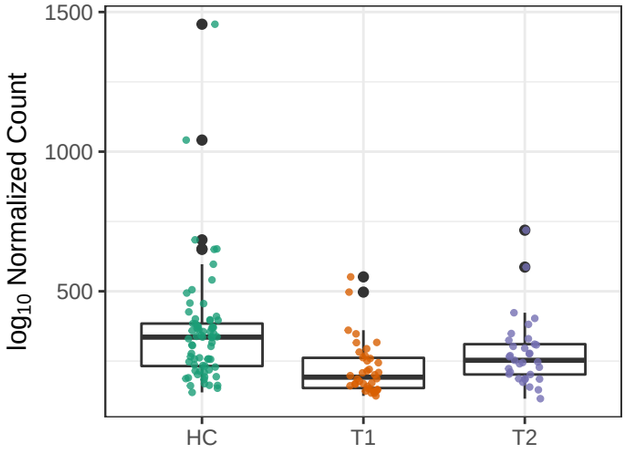
GALACTUROCAT−PWY: D−galacturor

HC vs. T1 p = 0.00026
HC vs. T2 p = 0.34
T1 vs. T2 p = 0.2



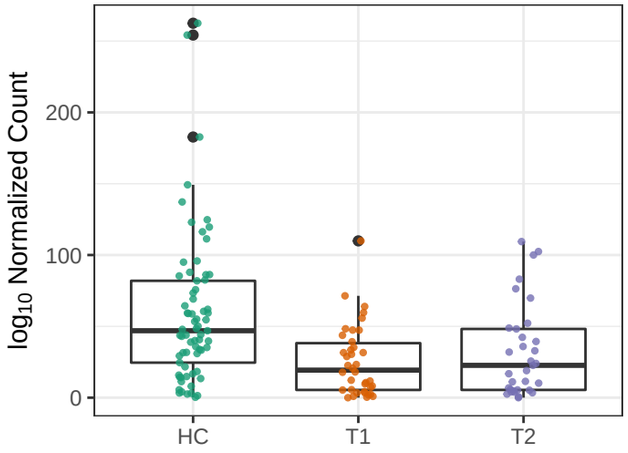
HISTSYN−PWY: L−histidine biosynthe

HC vs. T1 p = 0.00026
HC vs. T2 p = 0.12
T1 vs. T2 p = 0.13



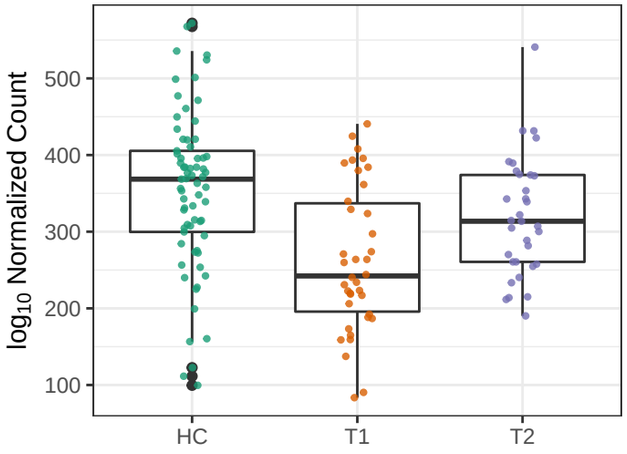
LACTOSECAT−PWY: lactose and gala

HC vs. T1 p = 0.00026
HC vs. T2 p = 0.05
T1 vs. T2 p = 0.35



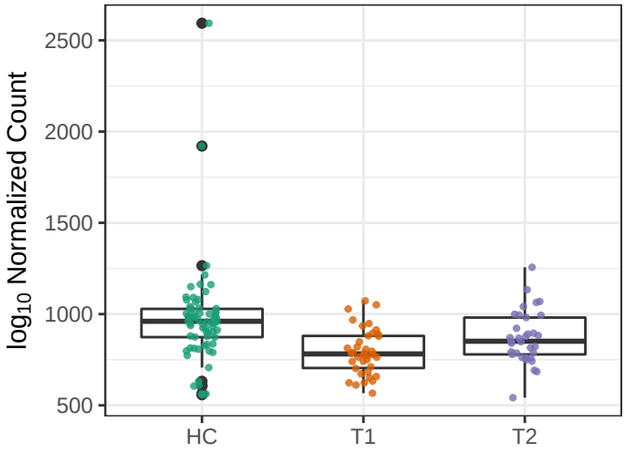
PWY−6317: galactose degradation I (L

HC vs. T1 p = 0.00026
HC vs. T2 p = 0.16
T1 vs. T2 p = 0.13



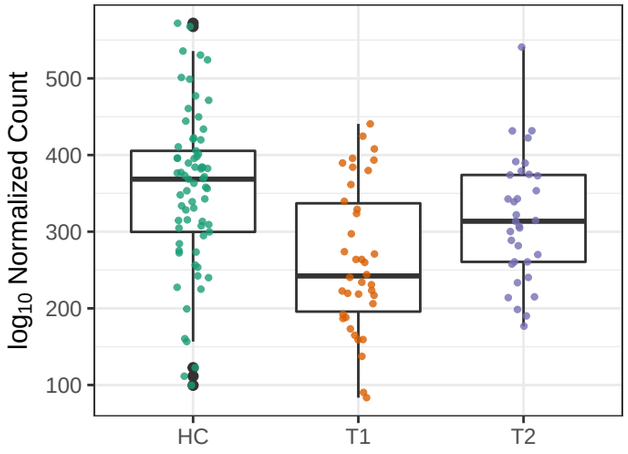
PWY−7219: adenosine ribonucleotide

HC vs. T1 p = 0.00026
HC vs. T2 p = 0.11
T1 vs. T2 p = 0.16



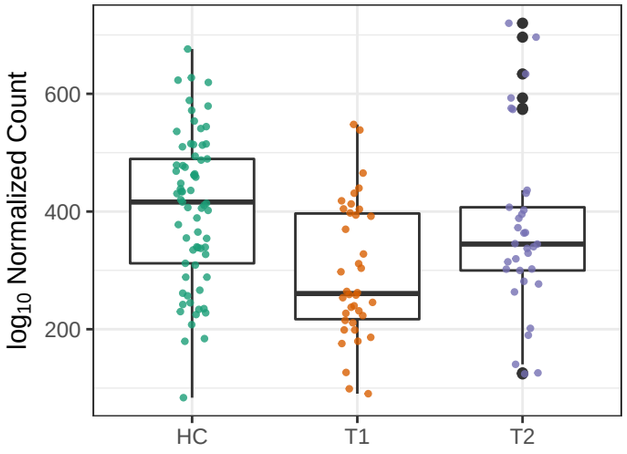
PWY66−422: D−galactose degradation

HC vs. T1 p = 0.00026
HC vs. T2 p = 0.15
T1 vs. T2 p = 0.13



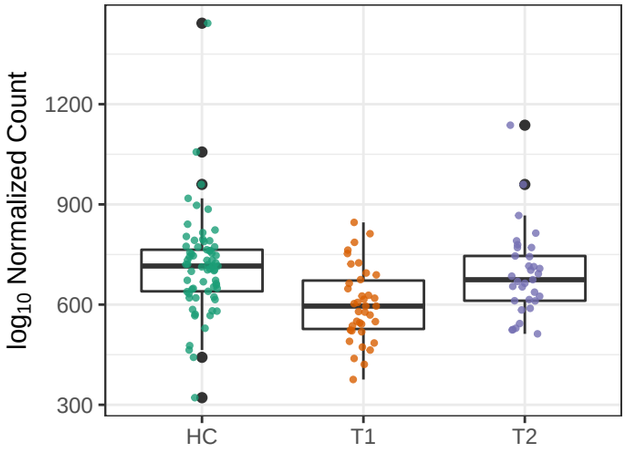
NONOXIPENT−PWY: pentose phospha

HC vs. T1 p = 3e−04
HC vs. T2 p = 0.4
T1 vs. T2 p = 0.14



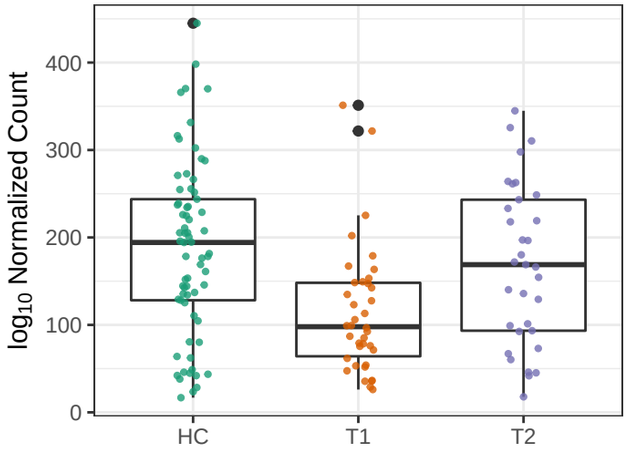
PWY−5686: UMP biosynthesis

HC vs. T1 p = 0.00032
HC vs. T2 p = 0.61
T1 vs. T2 p = 0.13



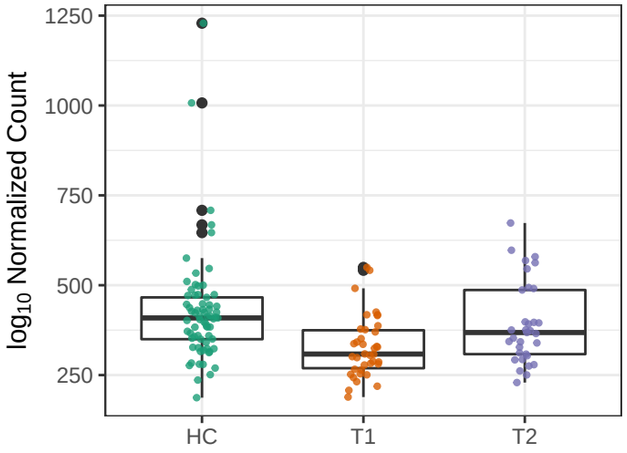
GLYCOGENSYNTH−PWY: glycogen b

HC vs. T1 p = 0.00048
HC vs. T2 p = 0.55
T1 vs. T2 p = 0.13



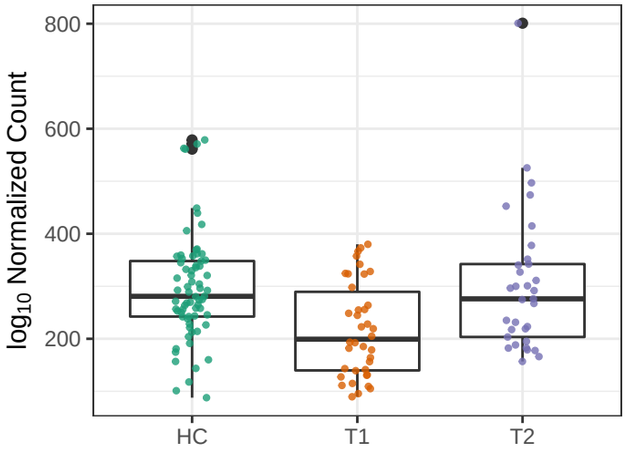
PWY−3001: superpathway of L−isoleu

HC vs. T1 p = 0.00049
HC vs. T2 p = 0.36
T1 vs. T2 p = 0.13



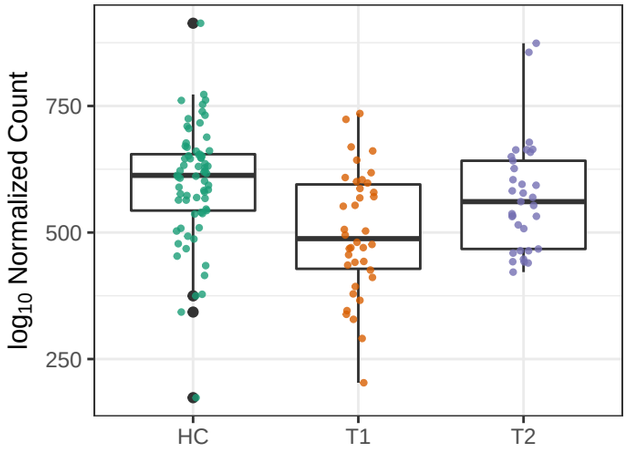
PWY−6123: inosine−5'−phosphate bios

HC vs. T1 p = 0.00083
HC vs. T2 p = 0.89
T1 vs. T2 p = 0.13



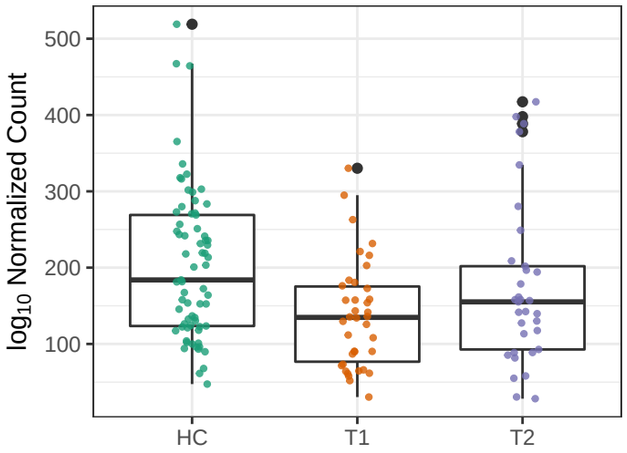
COMPLETE−ARO−PWY: superpathwa

HC vs. T1 p = 0.0013
HC vs. T2 p = 0.38
T1 vs. T2 p = 0.13



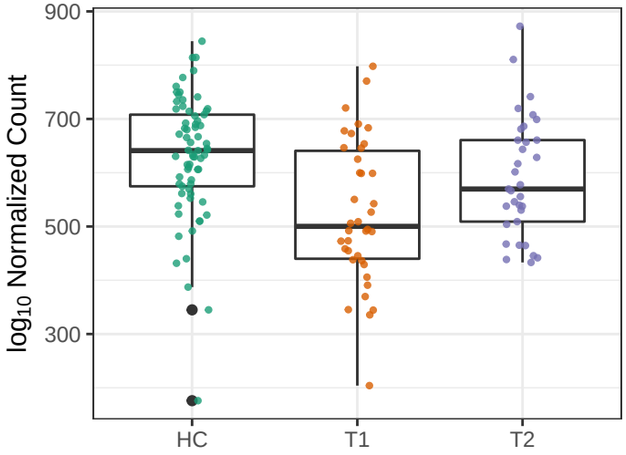
GLCMANNANAUT−PWY: superpathwa

HC vs. T1 p = 0.0014
HC vs. T2 p = 0.33
T1 vs. T2 p = 0.32



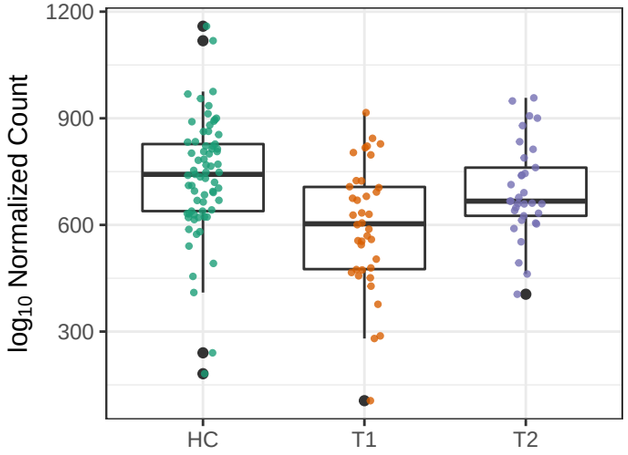
PWY−6163: chorismate biosynthesis fr

HC vs. T1 p = 0.0014
HC vs. T2 p = 0.23
T1 vs. T2 p = 0.14



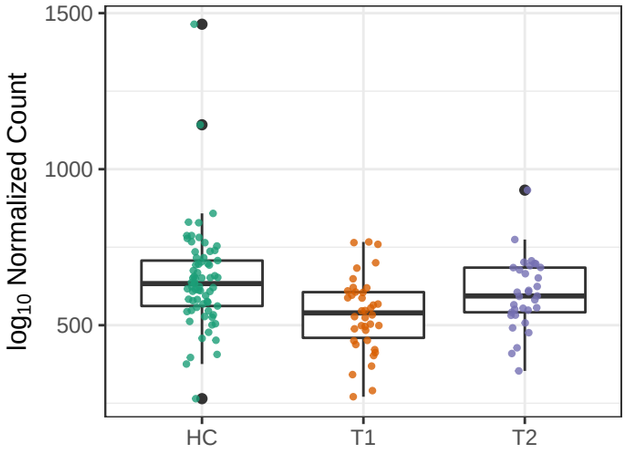
PWY−6737: starch degradation V

HC vs. T1 p = 0.0014
HC vs. T2 p = 0.33
T1 vs. T2 p = 0.13



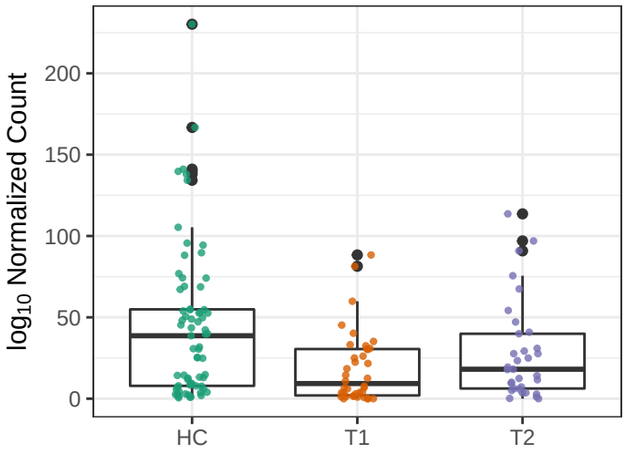
COA−PWY−1: coenzyme A biosynthe

HC vs. T1 p = 0.0014
HC vs. T2 p = 0.24
T1 vs. T2 p = 0.14



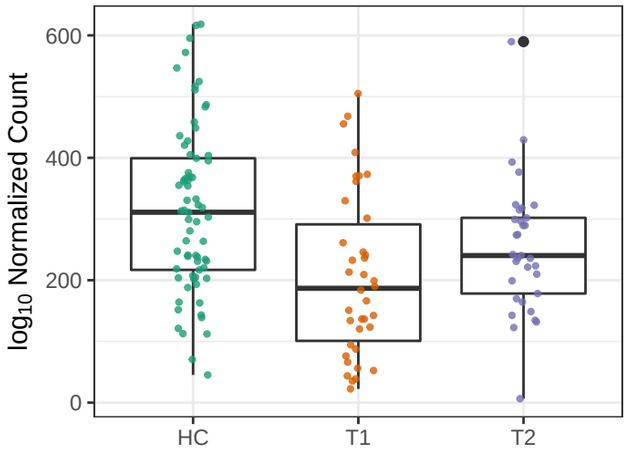
PWY−5304: superpathway of sulfur oxi

HC vs. T1 p = 0.0014
HC vs. T2 p = 0.13
T1 vs. T2 p = 0.21



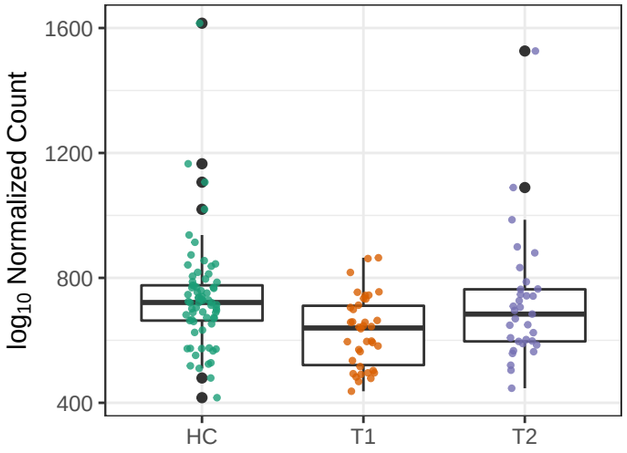
PWY−621: sucrose degradation III (suc

HC vs. T1 p = 0.0015
HC vs. T2 p = 0.091
T1 vs. T2 p = 0.32



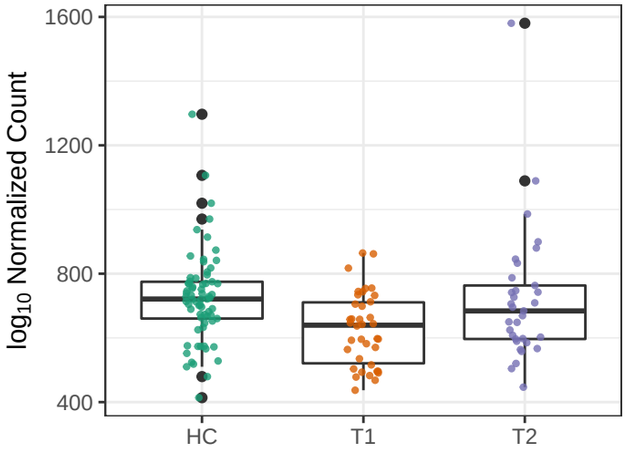
ILEUSYN−PWY: L−isoleucine biosynt

HC vs. T1 p = 0.0017
HC vs. T2 p = 0.78
T1 vs. T2 p = 0.14



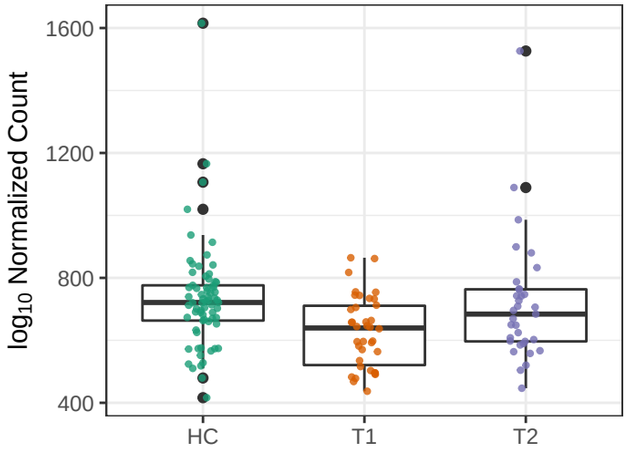
PWY−7111: pyruvate fermentation to i

HC vs. T1 p = 0.0017
HC vs. T2 p = 0.95
T1 vs. T2 p = 0.14



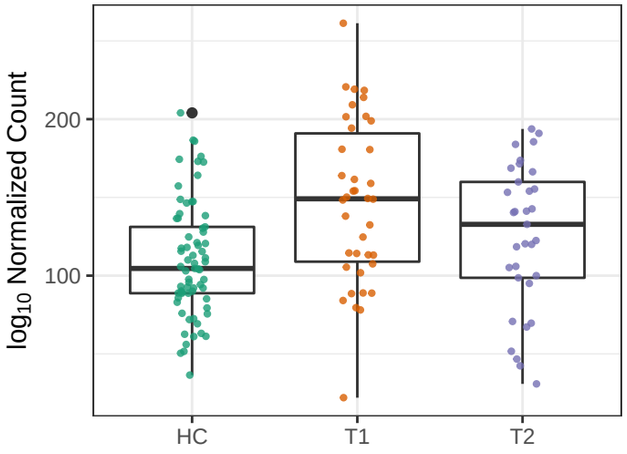
VALSYN−PWY: L−valine biosynthesis

HC vs. T1 p = 0.0017
HC vs. T2 p = 0.78
T1 vs. T2 p = 0.14



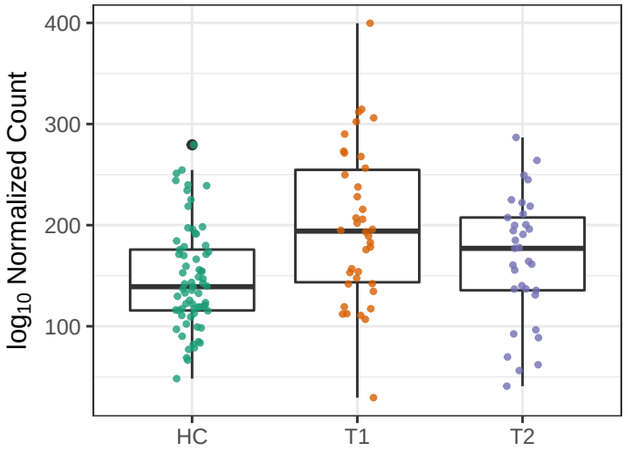
PWY−7184: pyrimidine deoxyribonucle

HC vs. T1 p = 0.0022
HC vs. T2 p = 0.23
T1 vs. T2 p = 0.18



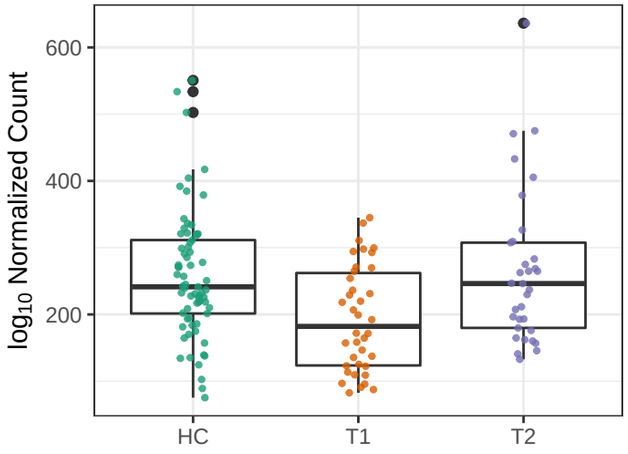
PWY−7228: superpathway of guanosin

HC vs. T1 p = 0.0027
HC vs. T2 p = 0.26
T1 vs. T2 p = 0.15



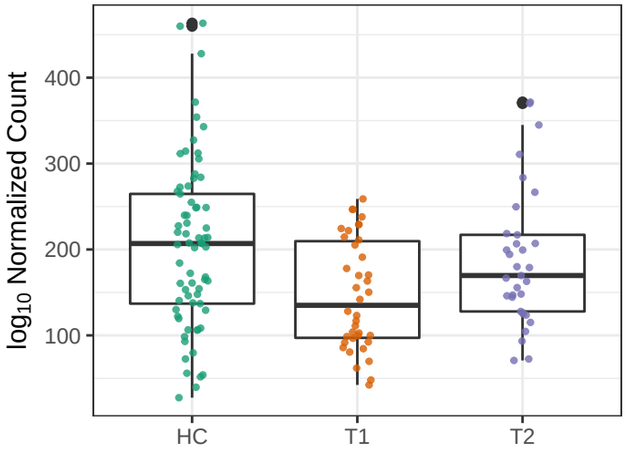
PWY−6124: inosine−5'−phosphate bios

HC vs. T1 p = 0.0027
HC vs. T2 p = 0.85
T1 vs. T2 p = 0.13



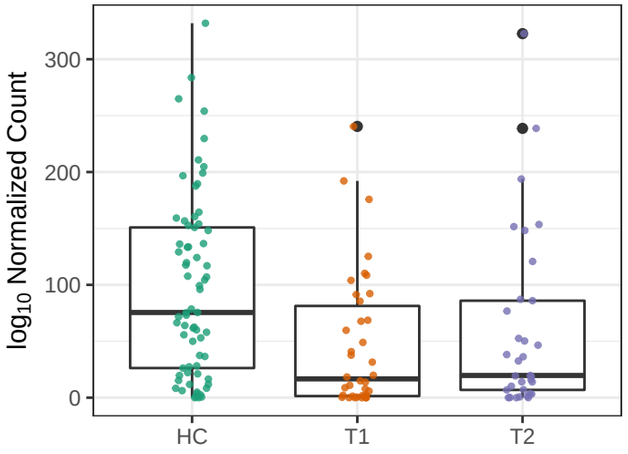
THISYNARA−PWY: superpathway of tl

HC vs. T1 p = 0.003
HC vs. T2 p = 0.52
T1 vs. T2 p = 0.14



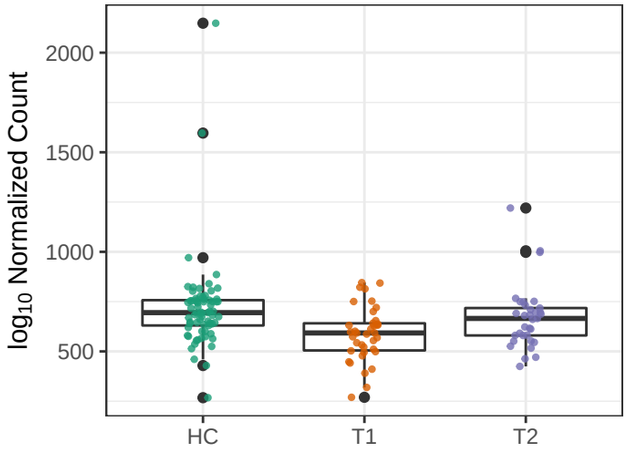
PWY−5367: petroselinate biosynthesis

HC vs. T1 p = 0.0036
HC vs. T2 p = 0.12
T1 vs. T2 p = 0.69



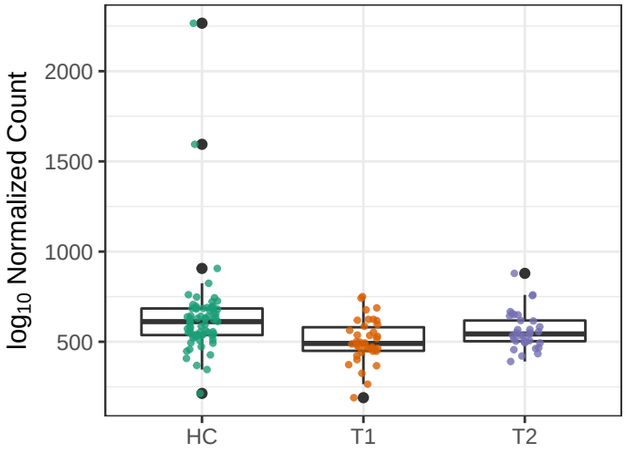
PWY−6387: UDP−N−acetylmuramoyl-

HC vs. T1 p = 0.0036
HC vs. T2 p = 0.37
T1 vs. T2 p = 0.19



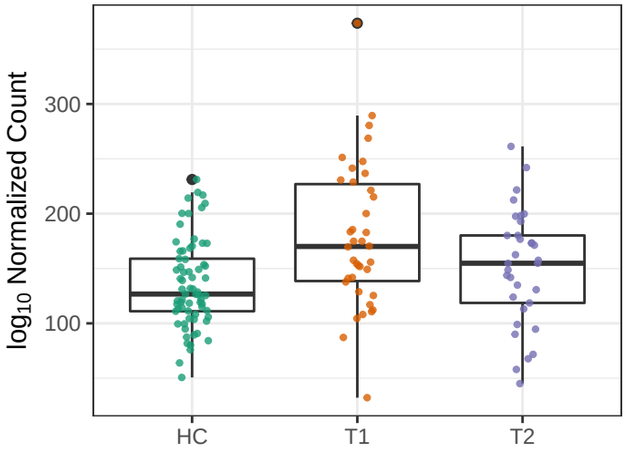
NONMEVIPP−PWY: methylerythritol p

HC vs. T1 p = 0.004
HC vs. T2 p = 0.14
T1 vs. T2 p = 0.17



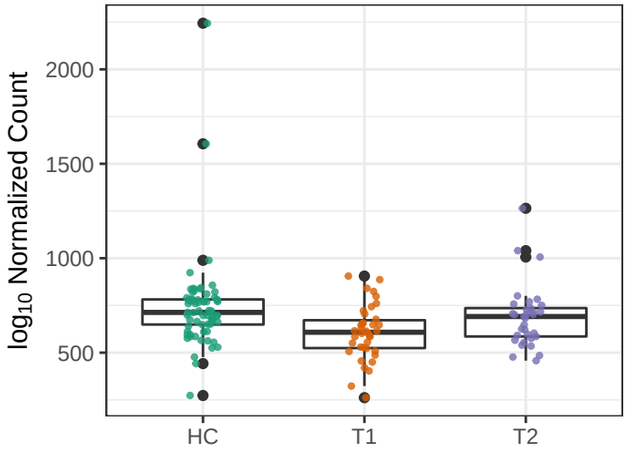
PWY−6125: superpathway of guanosin

HC vs. T1 p = 0.004
HC vs. T2 p = 0.27
T1 vs. T2 p = 0.16



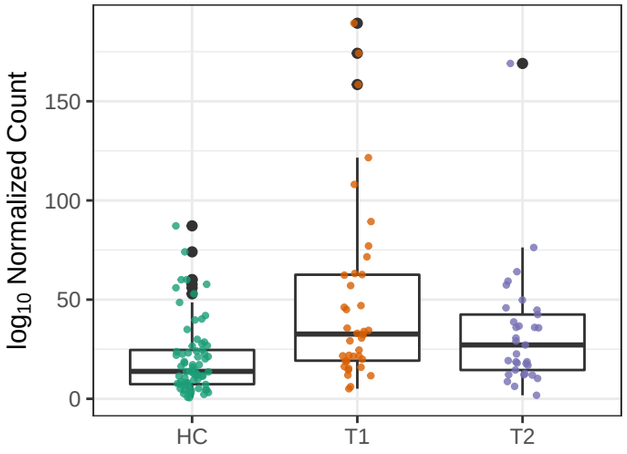
PWY−6386: UDP−N−acetylmuramoyl-

HC vs. T1 p = 0.004
HC vs. T2 p = 0.36
T1 vs. T2 p = 0.2



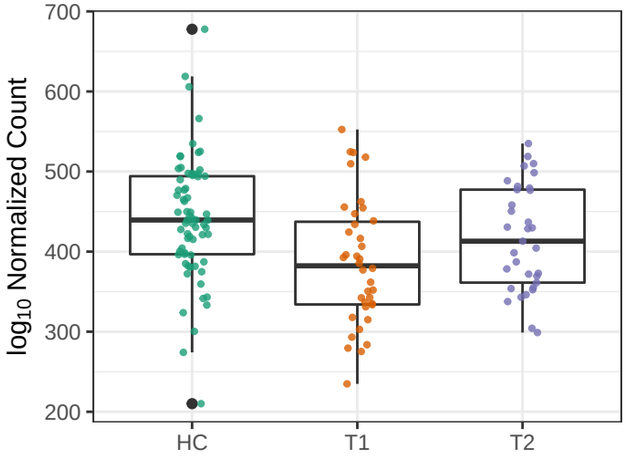
CITRULBIO−PWY: L−citrulline biosynth

HC vs. T1 p = 0.004
HC vs. T2 p = 0.12
T1 vs. T2 p = 0.16



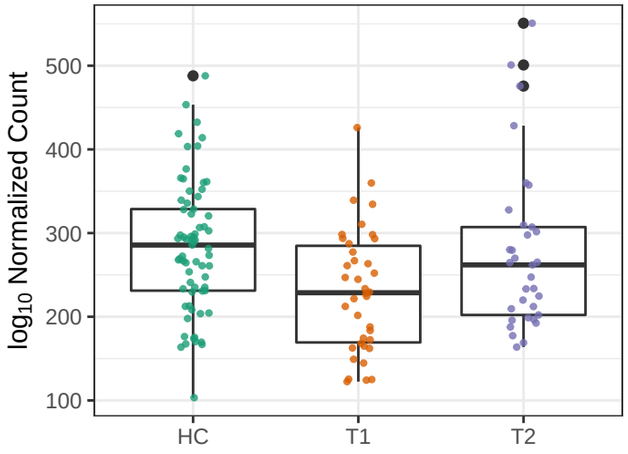
PWY−724: superpathway of L−lysine, l

HC vs. T1 p = 0.004
HC vs. T2 p = 0.2
T1 vs. T2 p = 0.28



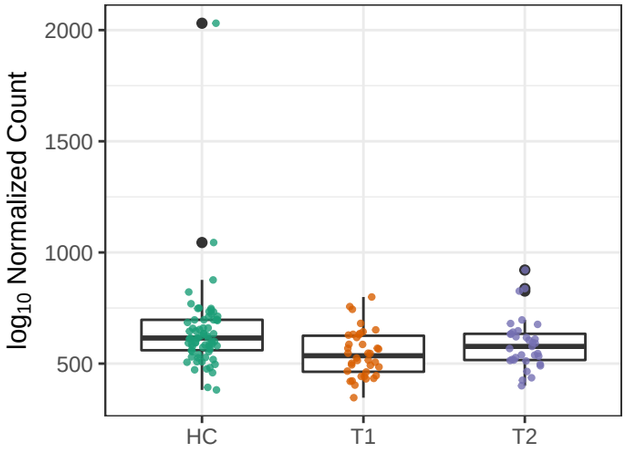
PWY−6609: adenine and adenosine sa

HC vs. T1 p = 0.0057
HC vs. T2 p = 0.81
T1 vs. T2 p = 0.13



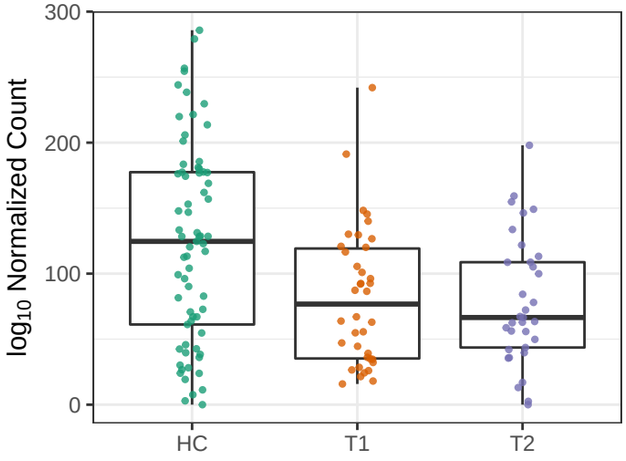
PWY−6121: 5−aminoimidazole ribonu

HC vs. T1 p = 0.0072
HC vs. T2 p = 0.2
T1 vs. T2 p = 0.22



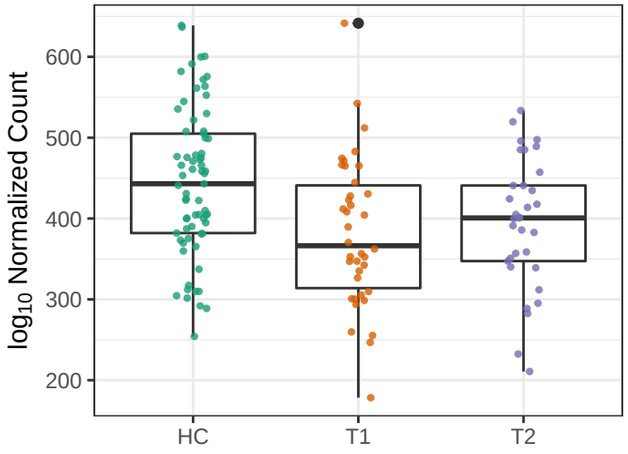
PWY0−781: aspartate superpathway

HC vs. T1 p = 0.0072
HC vs. T2 p = 0.04
T1 vs. T2 p = 0.74



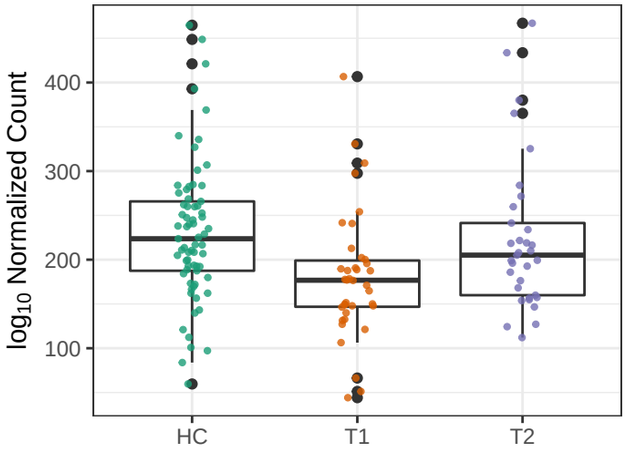
TRNA−CHARGING−PWY: tRNA charg

HC vs. T1 p = 0.0072
HC vs. T2 p = 0.068
T1 vs. T2 p = 0.66



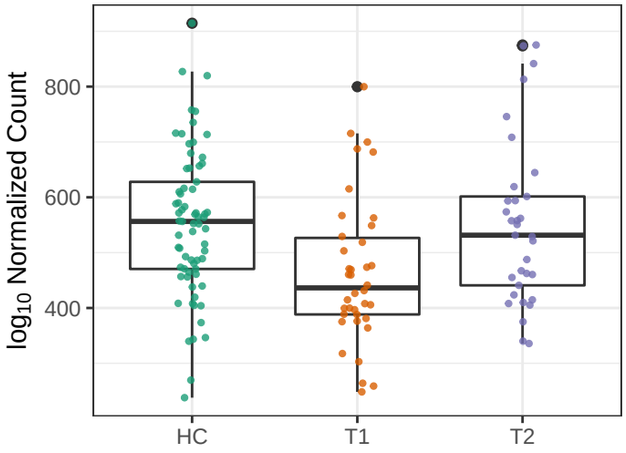
PWY−5100: pyruvate fermentation to a

HC vs. T1 p = 0.0074
HC vs. T2 p = 0.79
T1 vs. T2 p = 0.14



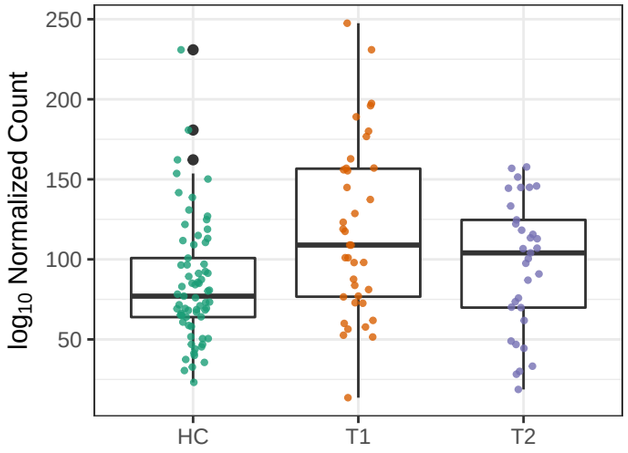
PWY−1042: glycolysis IV (plant cytoso

HC vs. T1 p = 0.0074
HC vs. T2 p = 0.98
T1 vs. T2 p = 0.13



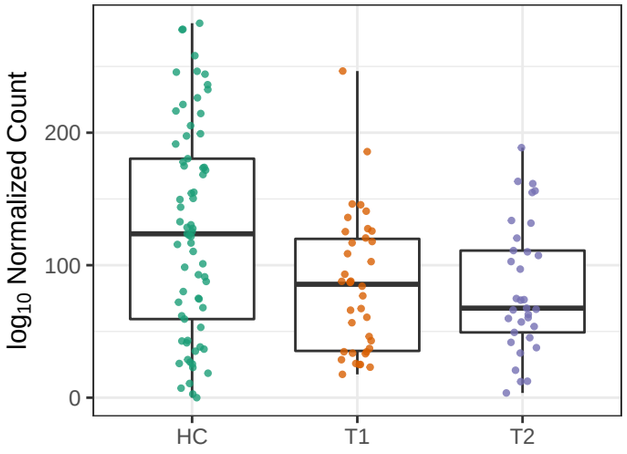
PWY−7197: pyrimidine deoxyribonucle

HC vs. T1 p = 0.0074
HC vs. T2 p = 0.31
T1 vs. T2 p = 0.18



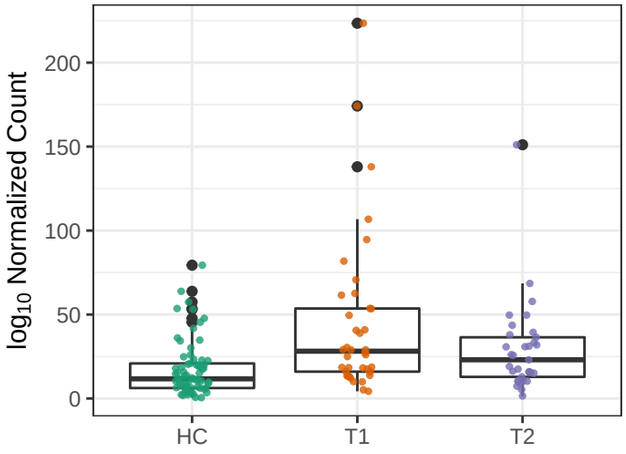
P4−PWY: superpathway of L−lysine, L·

HC vs. T1 p = 0.0075
HC vs. T2 p = 0.044
T1 vs. T2 p = 0.75



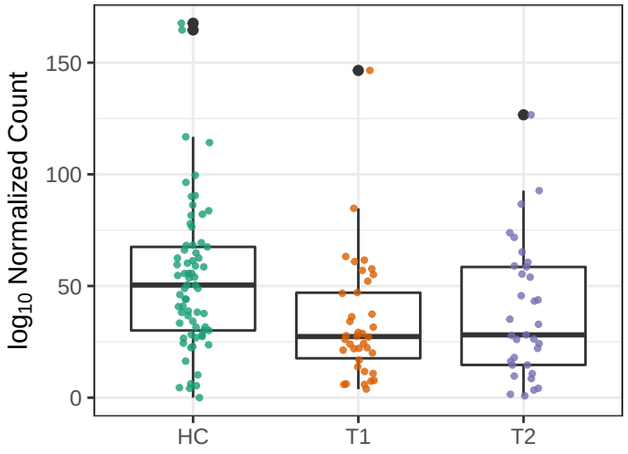
PWY−4984: urea cycle

HC vs. T1 p = 0.0081
HC vs. T2 p = 0.12
T1 vs. T2 p = 0.17



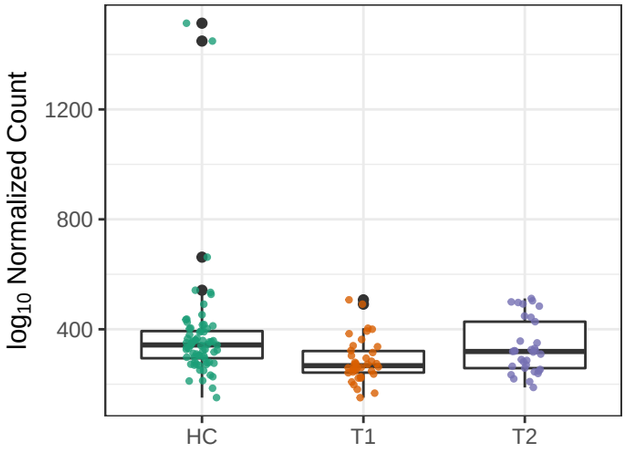
POLYAMSYN−PWY: superpathway of p

HC vs. T1 p = 0.0092
HC vs. T2 p = 0.12
T1 vs. T2 p = 0.65



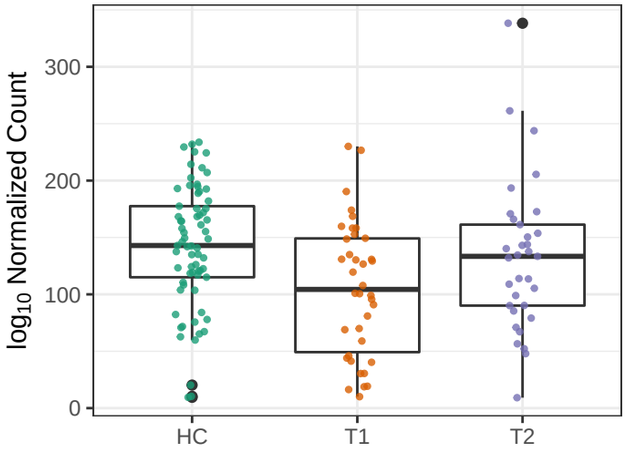
THRESYN−PWY: superpathway of L−

HC vs. T1 p = 0.0097
HC vs. T2 p = 0.31
T1 vs. T2 p = 0.15



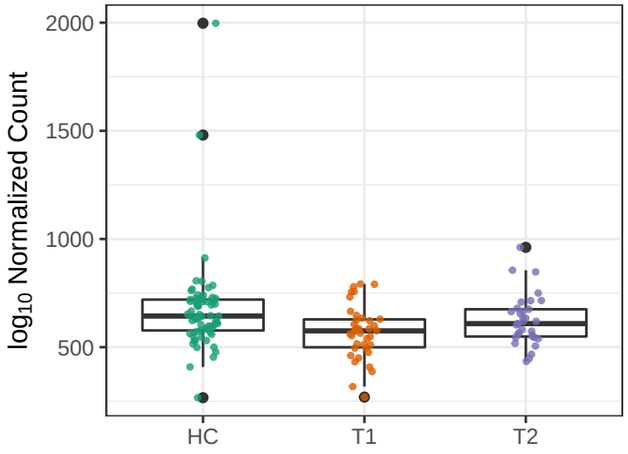
PWY−7199: pyrimidine deoxyribonucle

HC vs. T1 p = 0.011
HC vs. T2 p = 0.62
T1 vs. T2 p = 0.24



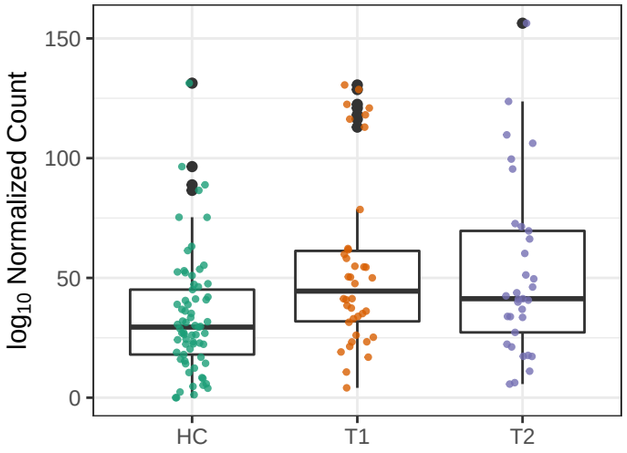
PEPTIDOGLYCANSYN−PWY: peptido

HC vs. T1 p = 0.012
HC vs. T2 p = 0.28
T1 vs. T2 p = 0.24



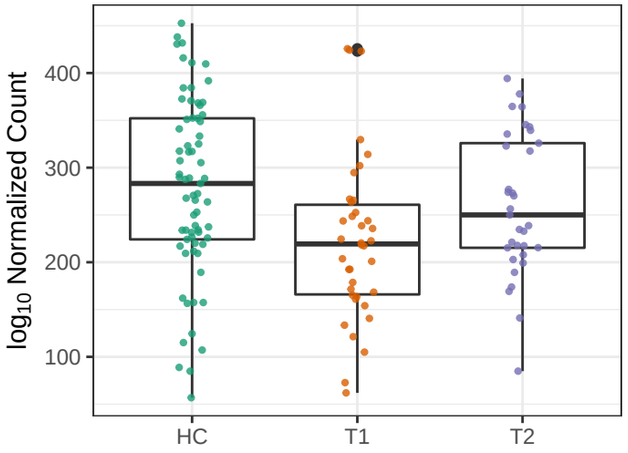
PWY66−399: gluconeogenesis III

HC vs. T1 p = 0.012
HC vs. T2 p = 0.086
T1 vs. T2 p = 0.82



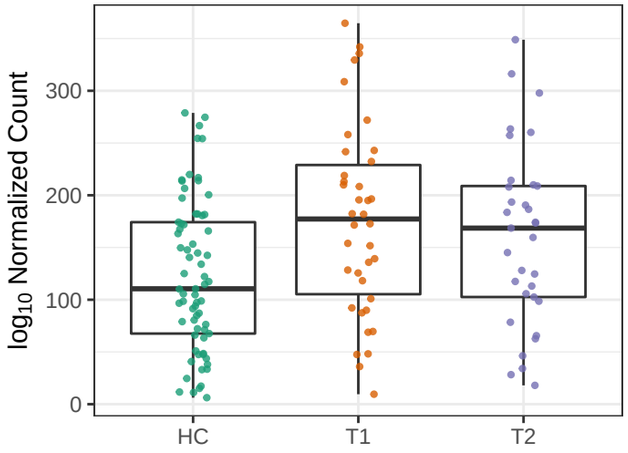
PWY−6527: stachyose degradation

HC vs. T1 p = 0.013
HC vs. T2 p = 0.44
T1 vs. T2 p = 0.23



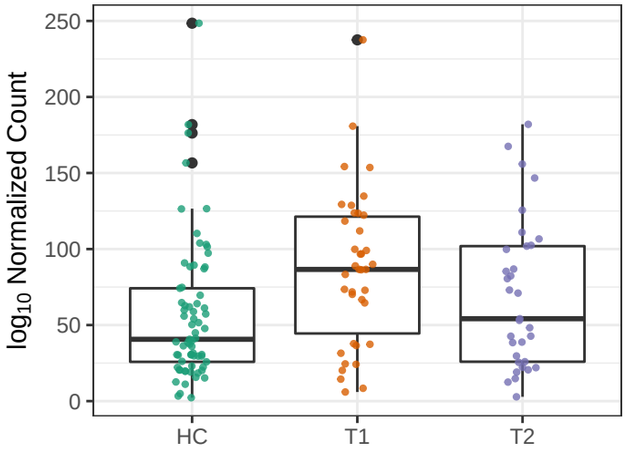
PWY−7663: gondoate biosynthesis (an

HC vs. T1 p = 0.015
HC vs. T2 p = 0.12
T1 vs. T2 p = 0.34



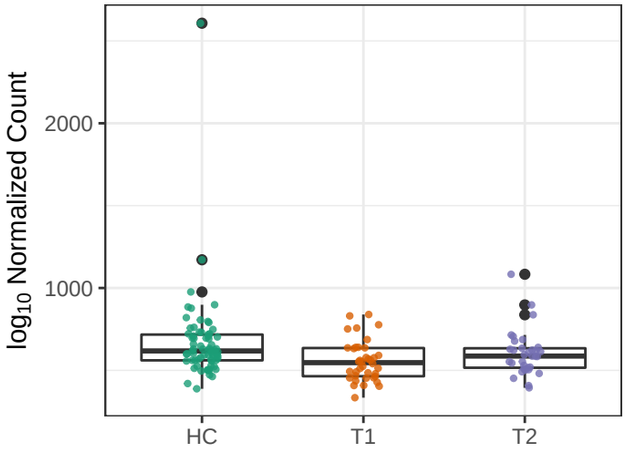
PWY−5154: L−arginine biosynthesis III

HC vs. T1 p = 0.016
HC vs. T2 p = 0.34
T1 vs. T2 p = 0.21



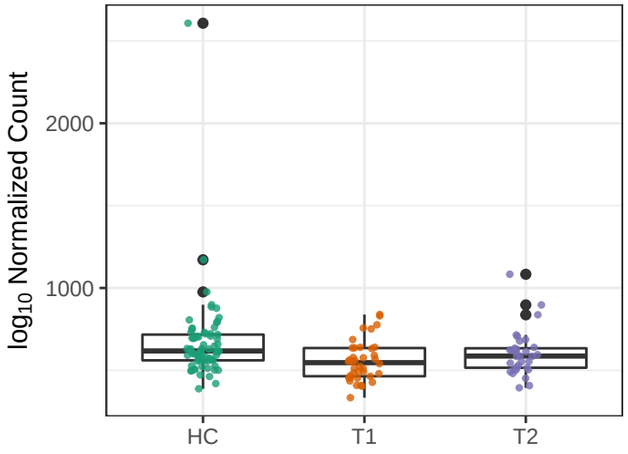
PWY−6122: 5−aminoimidazole ribonu

HC vs. T1 p = 0.016
HC vs. T2 p = 0.21
T1 vs. T2 p = 0.24



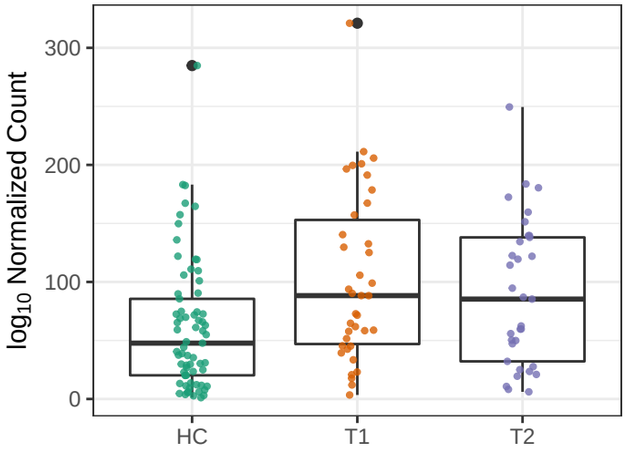
PWY−6277: superpathway of 5−amino

HC vs. T1 p = 0.016
HC vs. T2 p = 0.21
T1 vs. T2 p = 0.24



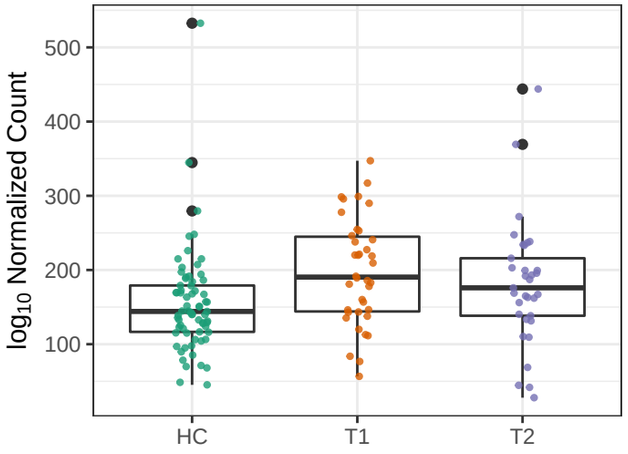
PYRIDOXSYN−PWY: pyridoxal 5'−pho

HC vs. T1 p = 0.016
HC vs. T2 p = 0.12
T1 vs. T2 p = 0.35



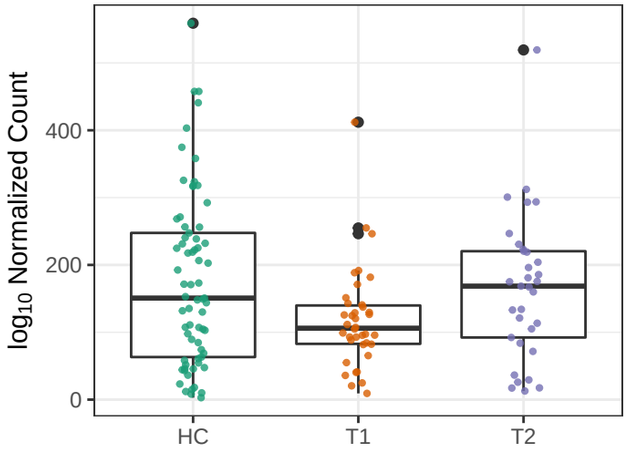
PWY−7208: superpathway of pyrimidin

HC vs. T1 p = 0.018
HC vs. T2 p = 0.26
T1 vs. T2 p = 0.61



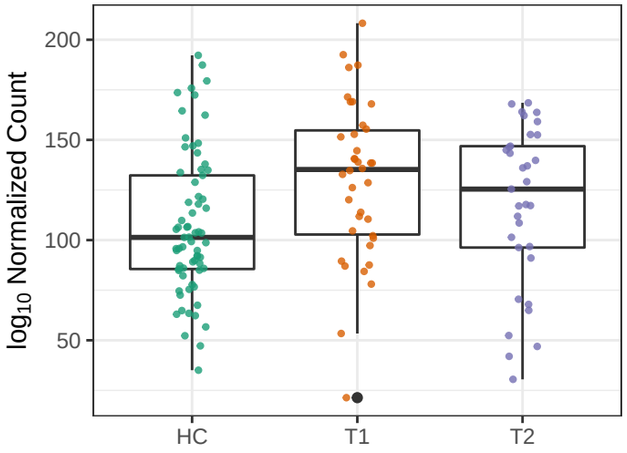
OANTIGEN−PWY: O−antigen building

HC vs. T1 p = 0.019
HC vs. T2 p = 0.79
T1 vs. T2 p = 0.14



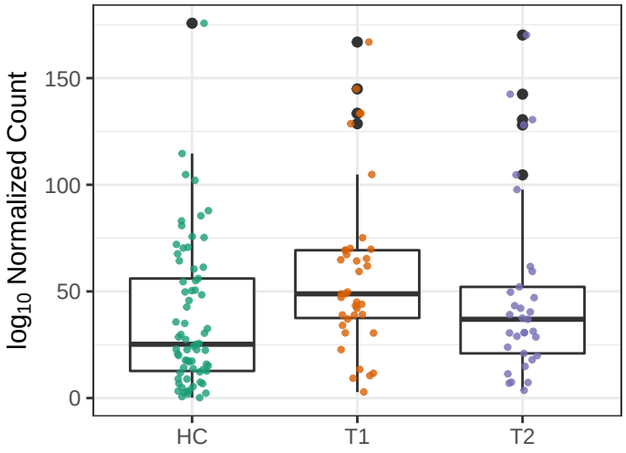
PWY−6545: pyrimidine deoxyribonucle

HC vs. T1 p = 0.022
HC vs. T2 p = 0.37
T1 vs. T2 p = 0.27



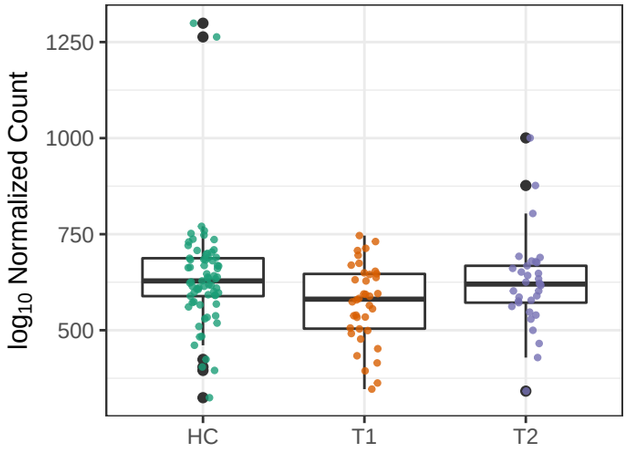
PWY−1269: CMP−3−deoxy−D−manno

HC vs. T1 p = 0.025
HC vs. T2 p = 0.33
T1 vs. T2 p = 0.3



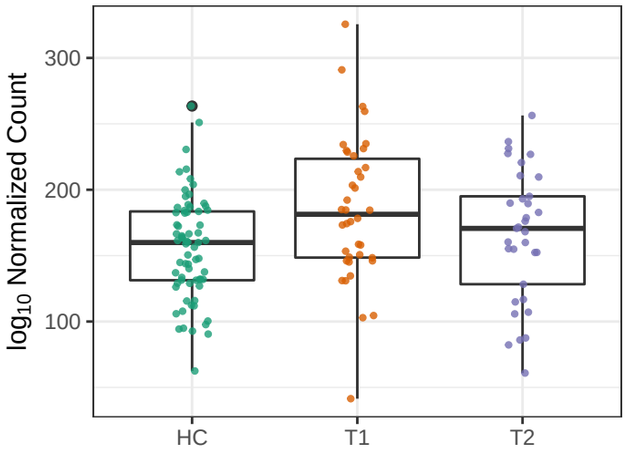
PWY−7221: guanosine ribonucleotide

HC vs. T1 p = 0.025
HC vs. T2 p = 0.67
T1 vs. T2 p = 0.2



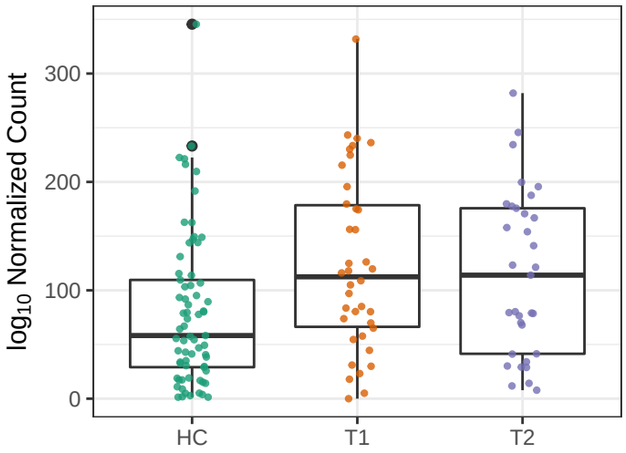
PWY0−166: superpathway of pyrimidin

HC vs. T1 p = 0.025
HC vs. T2 p = 0.48
T1 vs. T2 p = 0.27



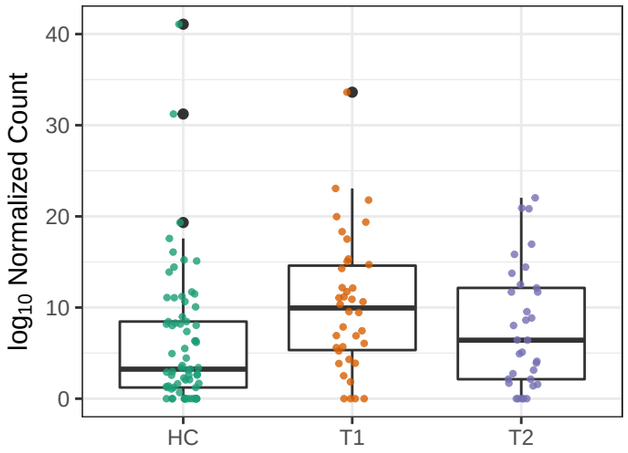
PWY0−845: superpathway of pyridoxal

HC vs. T1 p = 0.026
HC vs. T2 p = 0.12
T1 vs. T2 p = 0.55



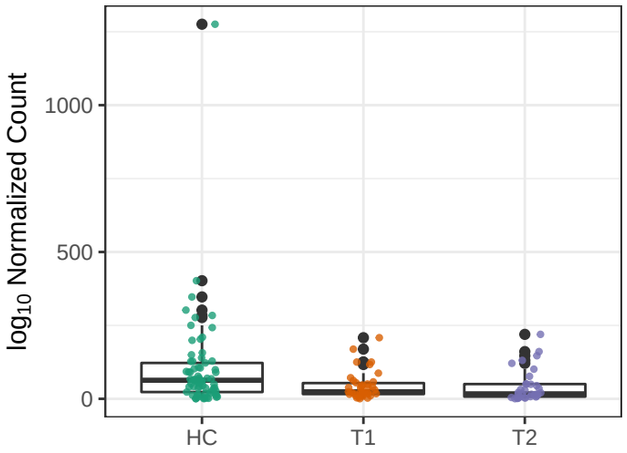
P162−PWY: L−glutamate degradation V

HC vs. T1 p = 0.027
HC vs. T2 p = 0.42
T1 vs. T2 p = 0.25



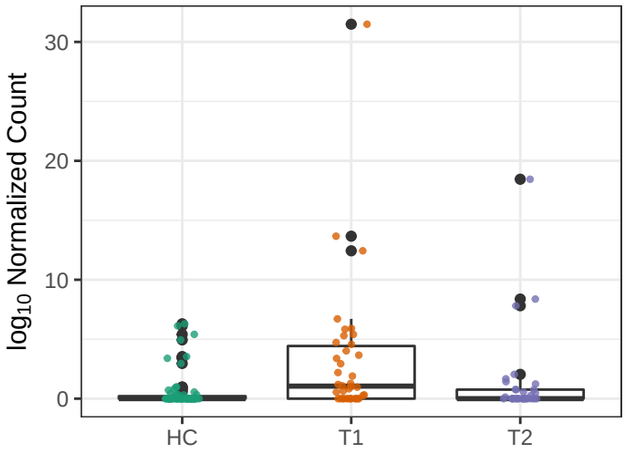
PWY−6147: 6−hydroxymethyl−dihydrc

HC vs. T1 p = 0.031
HC vs. T2 p = 0.074
T1 vs. T2 p = 0.88



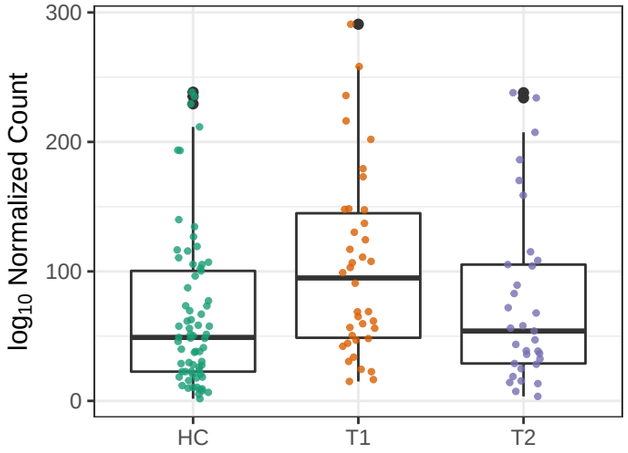
7ALPHADEHYDROX−PWY: cholate de

HC vs. T1 p = 0.031
HC vs. T2 p = 0.37
T1 vs. T2 p = 0.26

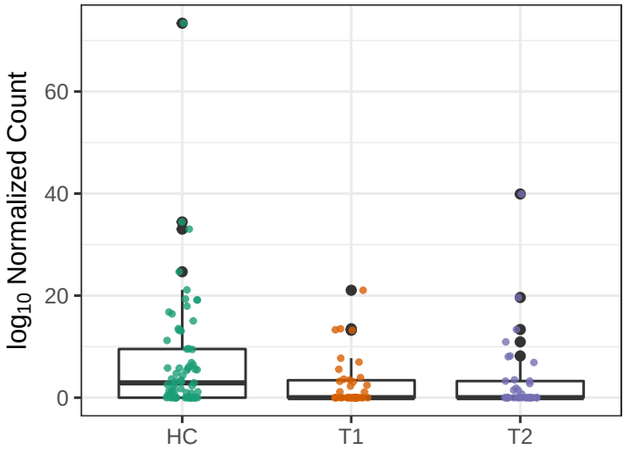


GLYCOLYSIS: glycolysis I (from glucos

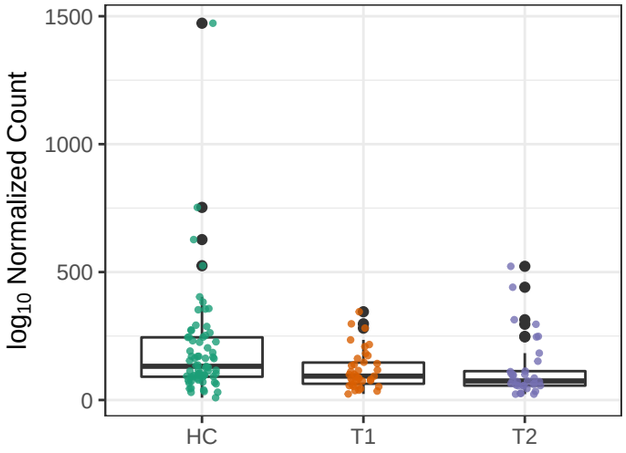
HC vs. T1 p = 0.031
HC vs. T2 p = 0.59
T1 vs. T2 p = 0.22



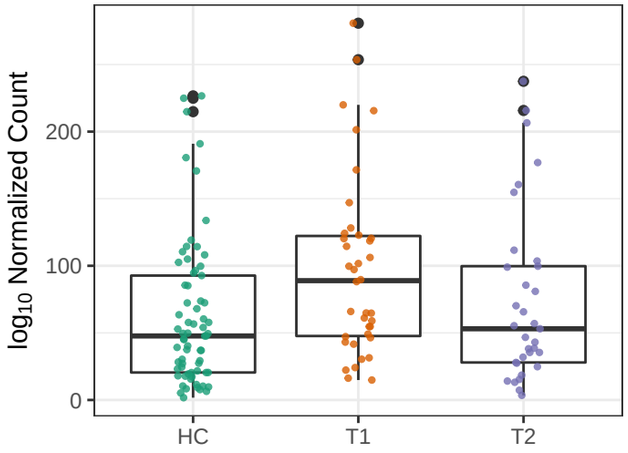
PWY−1861: formaldehyde assimilation
HC vs. T1 p = 0.031
HC vs. T2 p = 0.21
T1 vs. T2 p = 0.39



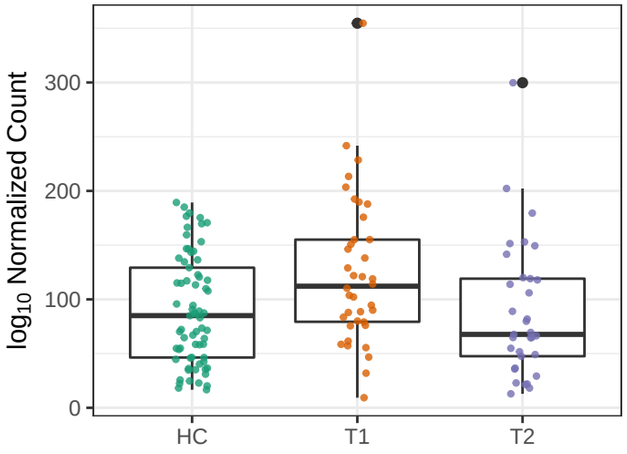
PWY−4981: L−proline biosynthesis II
HC vs. T1 p = 0.031
HC vs. T2 p = 0.12
T1 vs. T2 p = 0.85



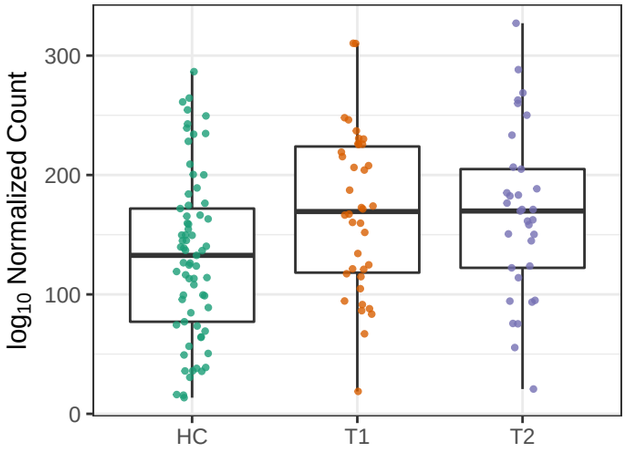
PWY−5484: glycolysis II (from fructose
HC vs. T1 p = 0.031
HC vs. T2 p = 0.52
T1 vs. T2 p = 0.24



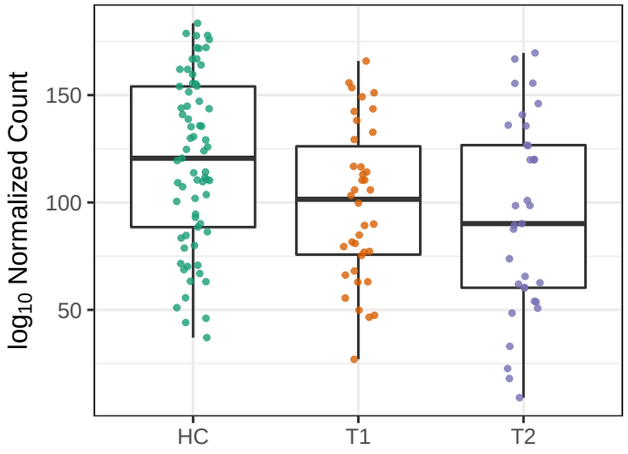
PWY66−409: superpathway of purine r
HC vs. T1 p = 0.031
HC vs. T2 p = 0.93
T1 vs. T2 p = 0.13



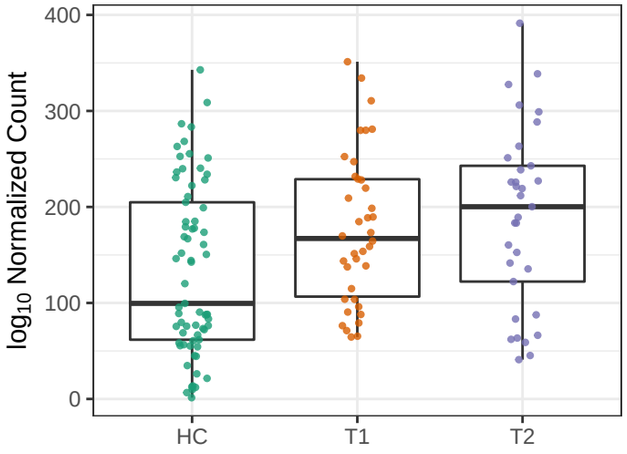
PWY−6168: flavin biosynthesis III (fung
HC vs. T1 p = 0.034
HC vs. T2 p = 0.11
T1 vs. T2 p = 0.69



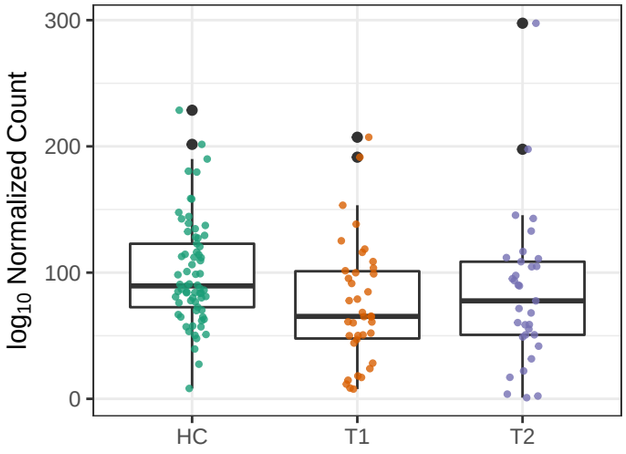
PRPP−PWY: superpathway of histidine
HC vs. T1 p = 0.038
HC vs. T2 p = 0.068
T1 vs. T2 p = 0.27



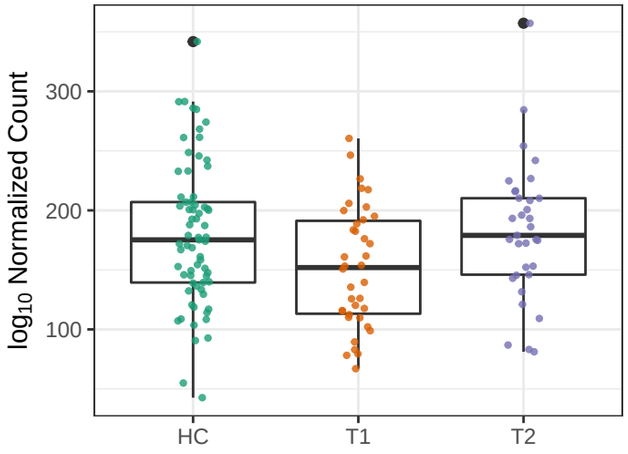
PWY−6897: thiamin salvage II
HC vs. T1 p = 0.041
HC vs. T2 p = 0.068
T1 vs. T2 p = 0.69



PWY−6305: putrescine biosynthesis IV
HC vs. T1 p = 0.041
HC vs. T2 p = 0.31
T1 vs. T2 p = 0.39

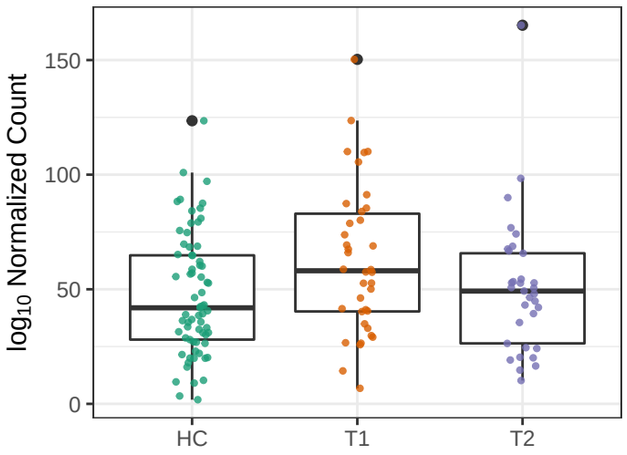


PYRIDNUCSYN−PWY: NAD biosynthe
HC vs. T1 p = 0.044
HC vs. T2 p = 0.89
T1 vs. T2 p = 0.16



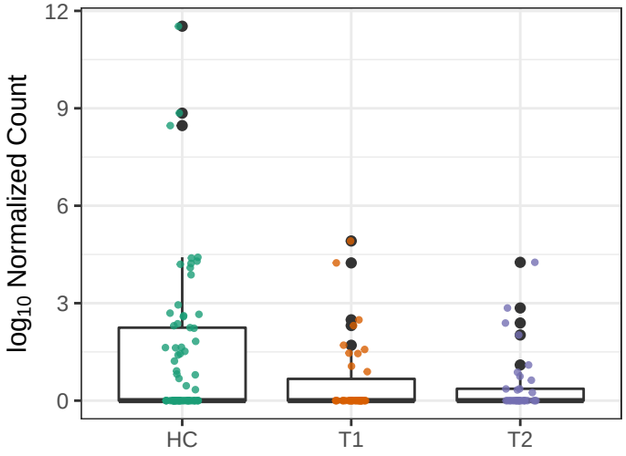
P42−PWY: incomplete reductive TCA c

HC vs. T1 p = 0.05
HC vs. T2 p = 0.73
T1 vs. T2 p = 0.19



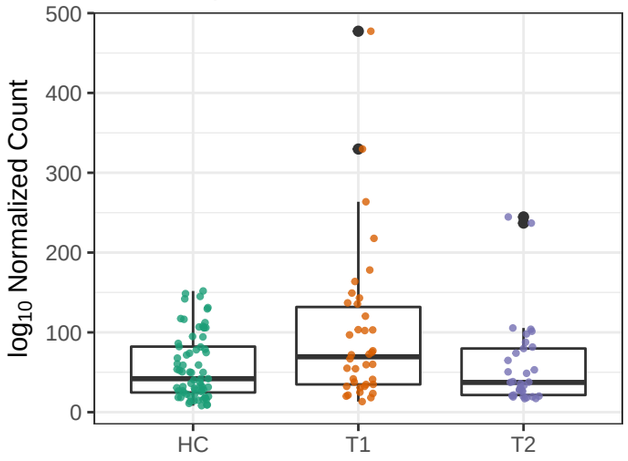
RUMP−PWY: formaldehyde oxidation I

HC vs. T1 p = 0.053
HC vs. T2 p = 0.068
T1 vs. T2 p = 0.73



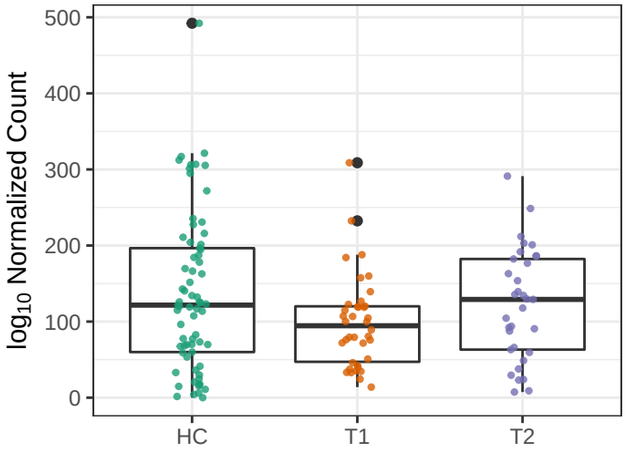
PWY0−1297: superpathway of purine c

HC vs. T1 p = 0.055
HC vs. T2 p = 0.95
T1 vs. T2 p = 0.056



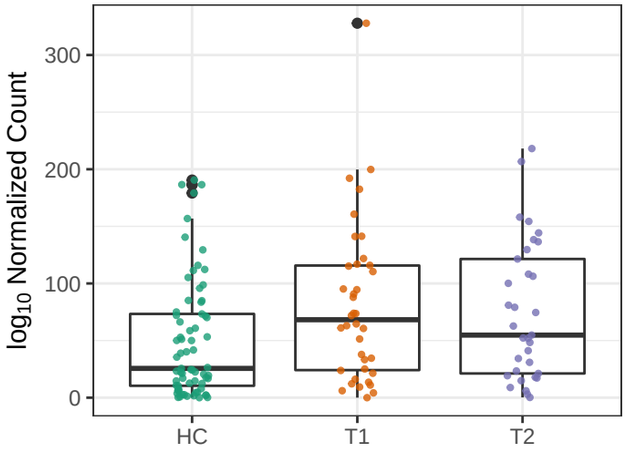
DAPLYSINESYN−PWY: L−lysine biosy

HC vs. T1 p = 0.066
HC vs. T2 p = 0.56
T1 vs. T2 p = 0.3



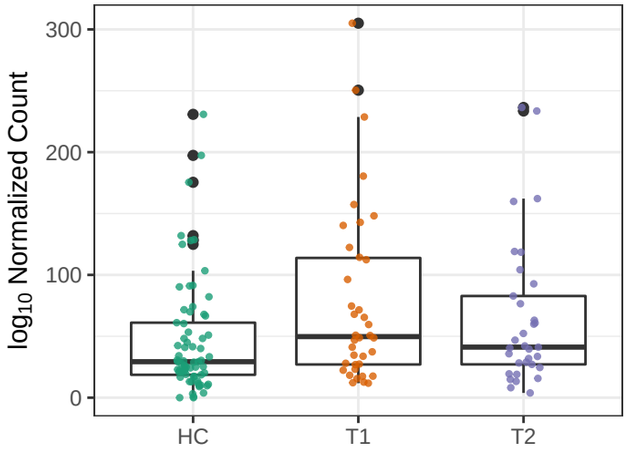
ARGININE−SYN4−PWY: L−ornithine d

HC vs. T1 p = 0.068
HC vs. T2 p = 0.14
T1 vs. T2 p = 0.66



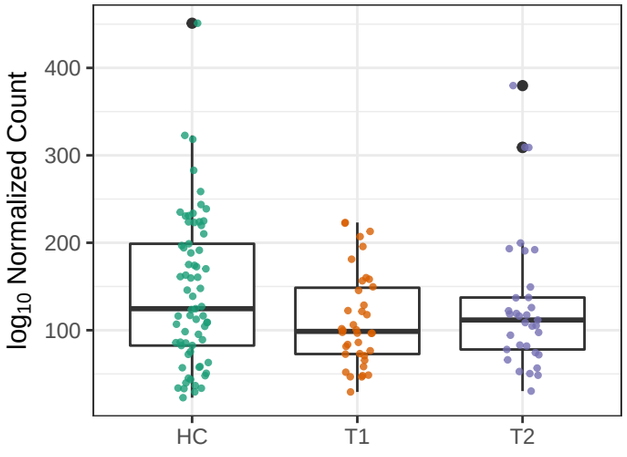
PWY66−400: glycolysis VI (metazoan)

HC vs. T1 p = 0.068
HC vs. T2 p = 0.26
T1 vs. T2 p = 0.37



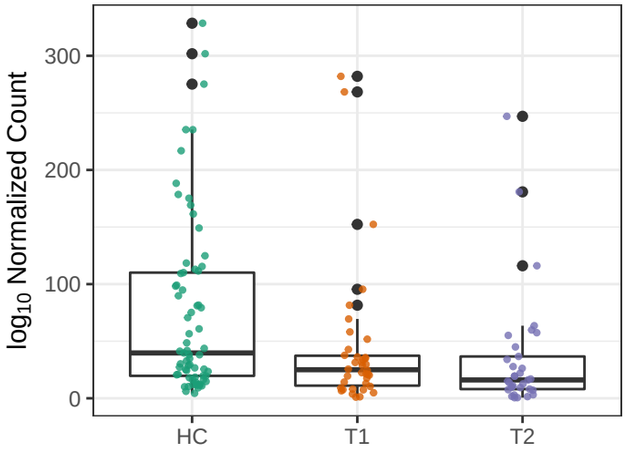
PWY0−1586: peptidoglycan maturatior

HC vs. T1 p = 0.068
HC vs. T2 p = 0.53
T1 vs. T2 p = 0.4



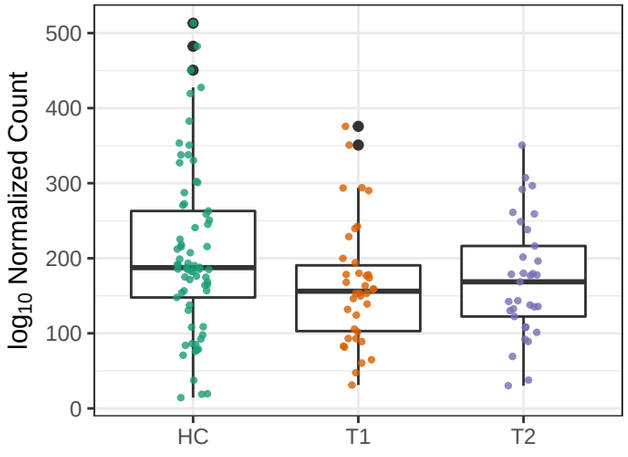
PENTOSE−P−PWY: pentose phosphat

HC vs. T1 p = 0.081
HC vs. T2 p = 0.05
T1 vs. T2 p = 0.45



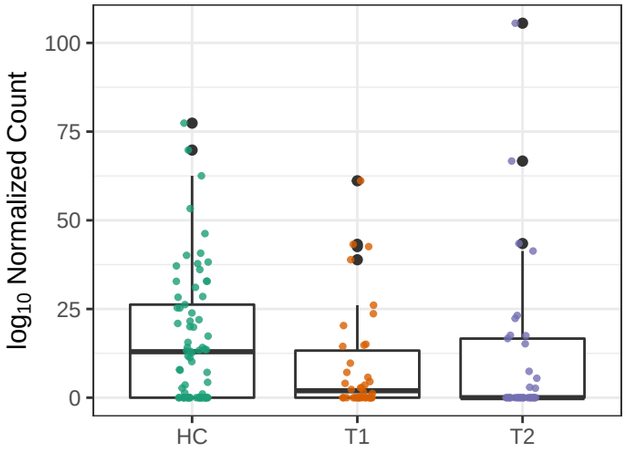
TRPSYN−PWY: L−tryptophan biosynth

HC vs. T1 p = 0.082
HC vs. T2 p = 0.15
T1 vs. T2 p = 0.86



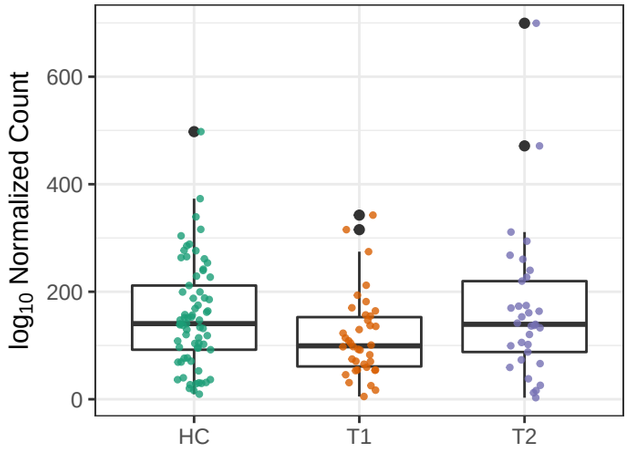
PWY−7209: superpathway of pyrimidin

HC vs. T1 p = 0.086
HC vs. T2 p = 0.44
T1 vs. T2 p = 0.61



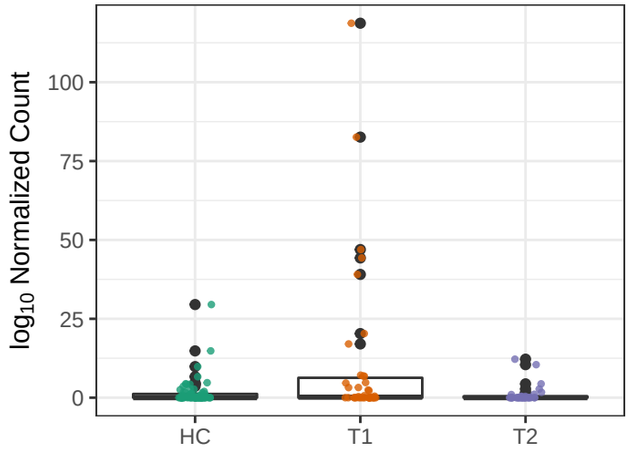
PWY−7234: inosine−5'−phosphate bios

HC vs. T1 p = 0.086
HC vs. T2 p = 0.79
T1 vs. T2 p = 0.13



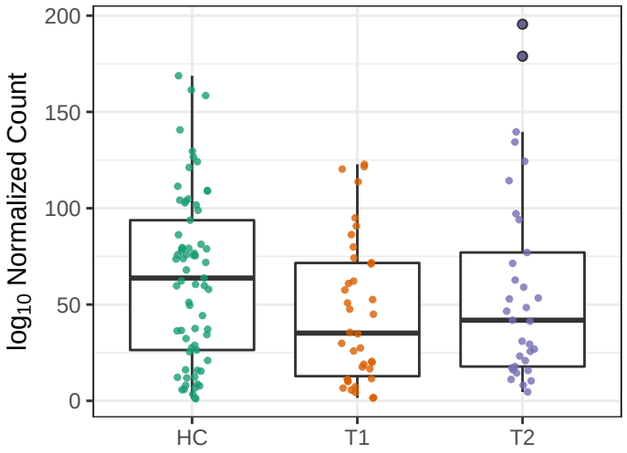
PWY−7013: L−1,2−propanediol degrad

HC vs. T1 p = 0.092
HC vs. T2 p = 0.62
T1 vs. T2 p = 0.14



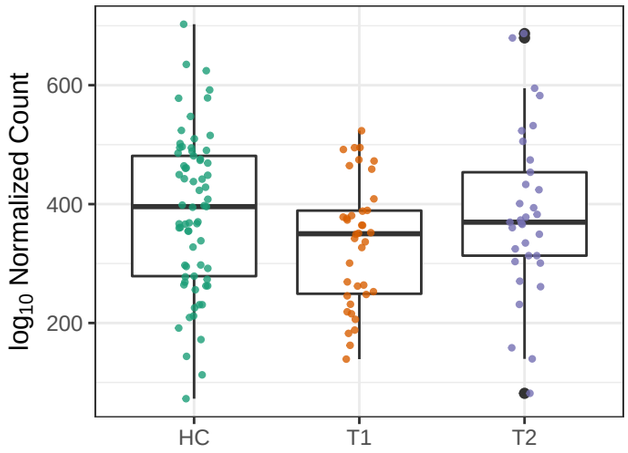
PWY−5989: stearate biosynthesis II (ba

HC vs. T1 p = 0.094
HC vs. T2 p = 0.71
T1 vs. T2 p = 0.44



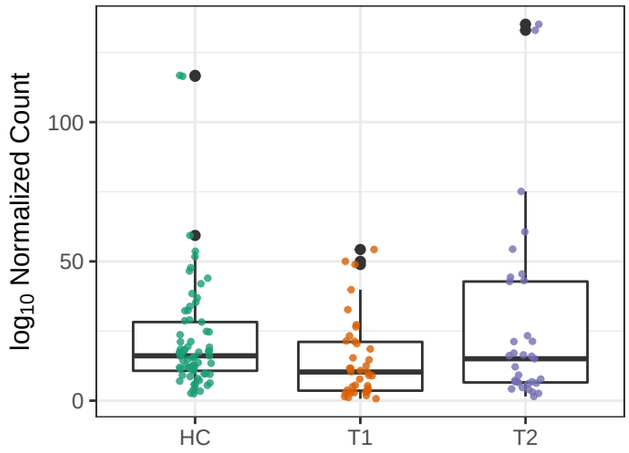
PWY−6385: peptidoglycan biosynthesi

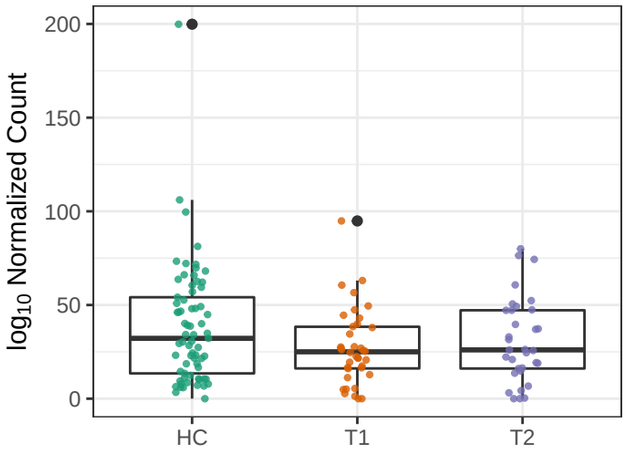
HC vs. T1 p = 0.094
HC vs. T2 p = 0.96
T1 vs. T2 p = 0.22



PWY−6588: pyruvate fermentation to a

HC vs. T1 p = 0.094
HC vs. T2 p = 0.64
T1 vs. T2 p = 0.17



FOLSYN−PWY: superpathway of tetrahydrofolate biosynthesis and salvage

HC vs. T1 p = 0.095
HC vs. T2 p = 0.32
T1 vs. T2 p = 0.52