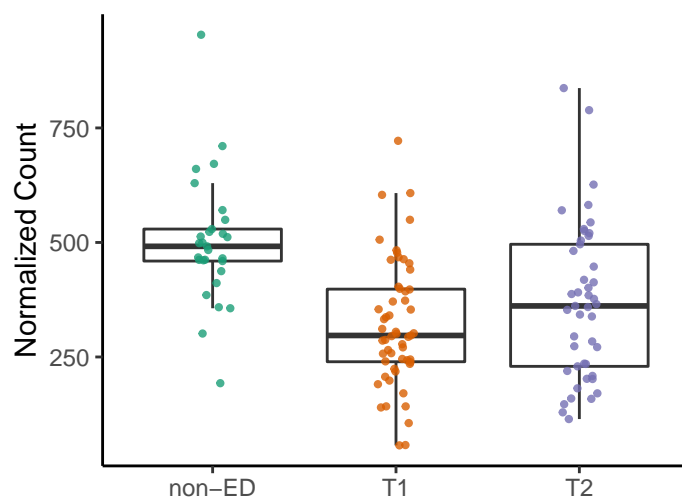


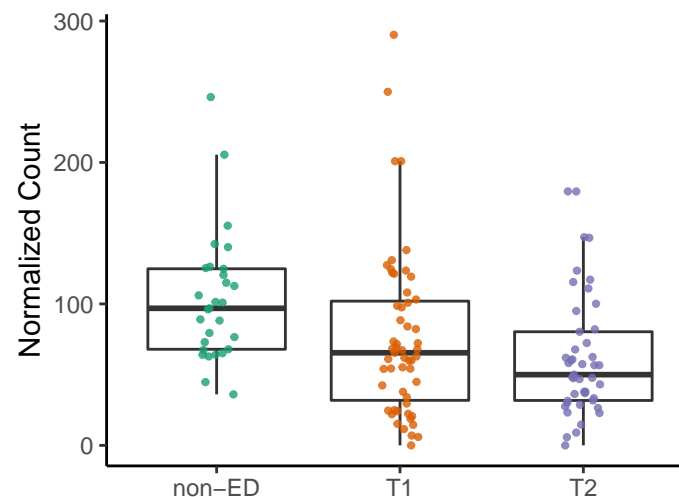
DTDPRHAMSYN-PWY: dTDP-L-rhan

non-ED vs. T1 adjusted $p = 3.1\text{e-}05$
non-ED vs. T2 adjusted $p = 0.03$
T1 vs. T2 adjusted $p = 0.16$



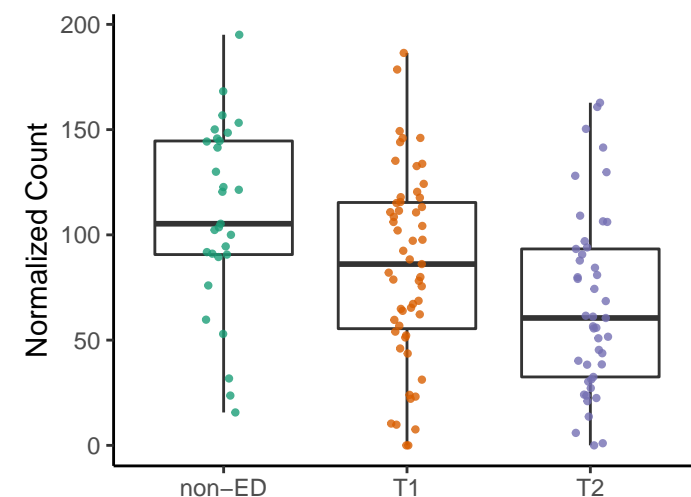
HSERMETANA-PWY: L-methionine bi

non-ED vs. T1 adjusted $p = 0.081$
non-ED vs. T2 adjusted $p = 0.03$
T1 vs. T2 adjusted $p = 0.49$



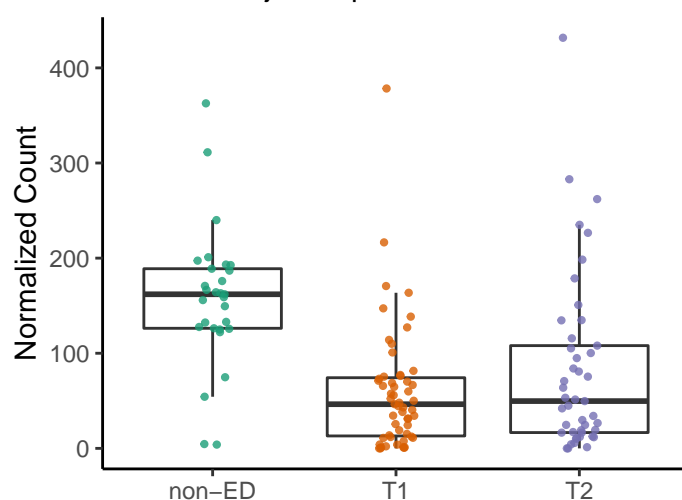
PRPP-PWY: superpathway of histidine

non-ED vs. T1 adjusted $p = 0.074$
non-ED vs. T2 adjusted $p = 0.03$
T1 vs. T2 adjusted $p = 0.17$



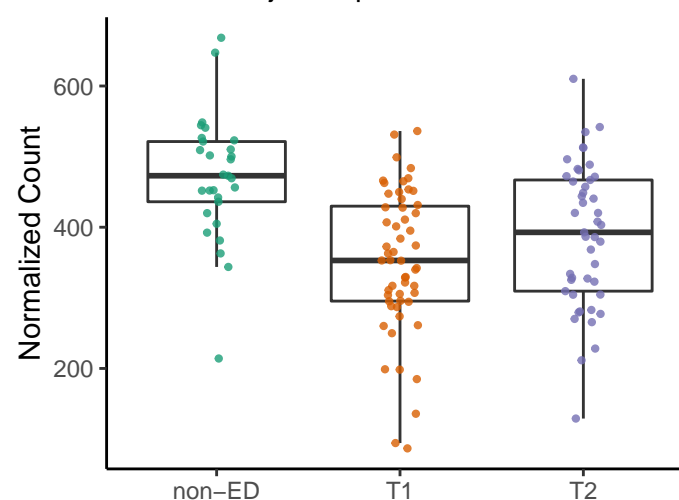
PWY-5177: glutaryl-CoA degradation

non-ED vs. T1 adjusted $p = 2.1\text{e-}05$
non-ED vs. T2 adjusted $p = 0.03$
T1 vs. T2 adjusted $p = 0.17$



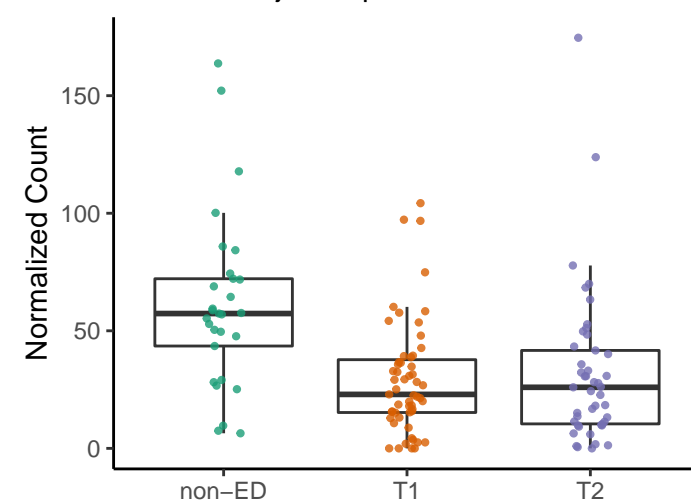
TRNA-CHARGING-PWY: tRNA chargi

non-ED vs. T1 adjusted $p = 3.1\text{e-}05$
non-ED vs. T2 adjusted $p = 0.03$
T1 vs. T2 adjusted $p = 0.17$



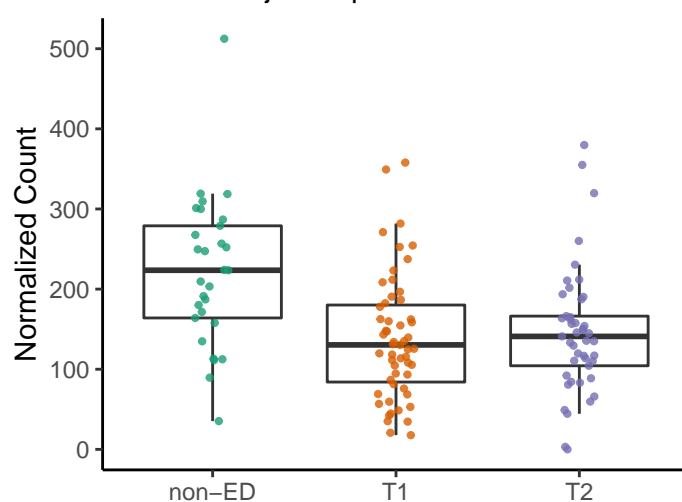
POLYAMSYN-PWY: superpathway of p

non-ED vs. T1 adjusted $p = 0.0018$
non-ED vs. T2 adjusted $p = 0.037$
T1 vs. T2 adjusted $p = 0.64$



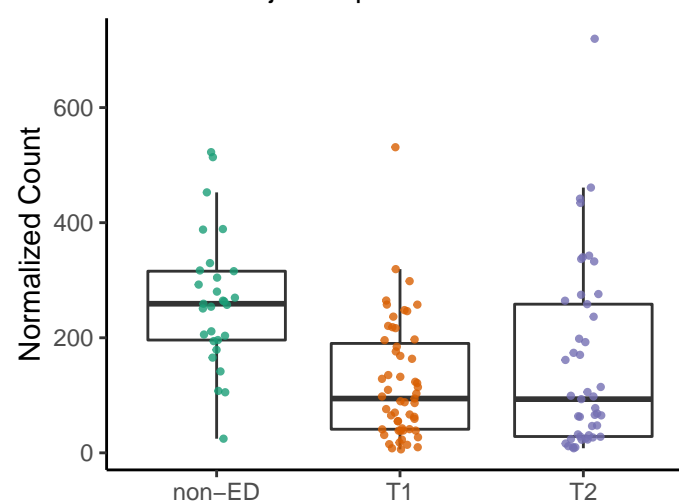
PWY-5347: superpathway of L-methio

non-ED vs. T1 adjusted $p = 0.002$
non-ED vs. T2 adjusted $p = 0.037$
T1 vs. T2 adjusted $p = 0.59$



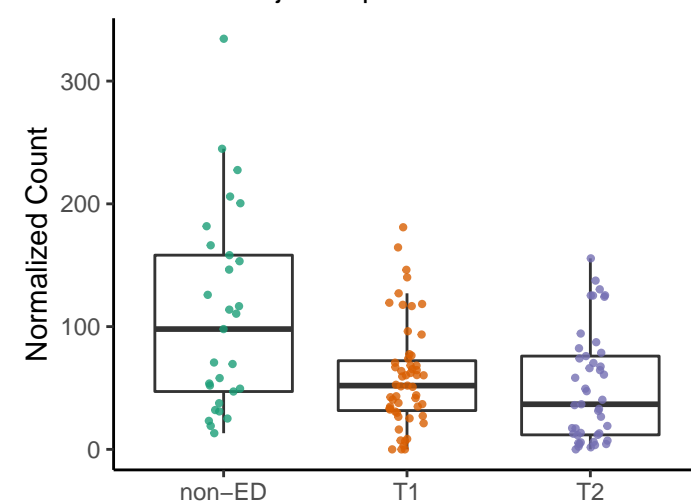
PWY-7242: D-fructuronate degradatio

non-ED vs. T1 adjusted $p = 5.1\text{e-}05$
non-ED vs. T2 adjusted $p = 0.037$
T1 vs. T2 adjusted $p = 0.23$



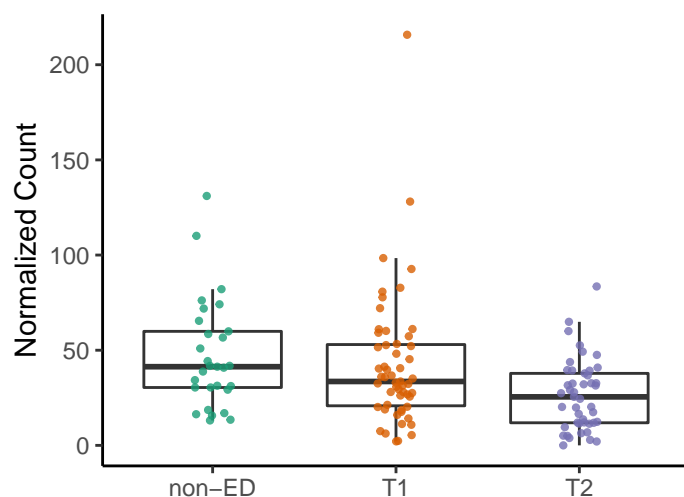
PWY0-781: aspartate superpathway

non-ED vs. T1 adjusted $p = 0.024$
non-ED vs. T2 adjusted $p = 0.037$
T1 vs. T2 adjusted $p = 0.79$



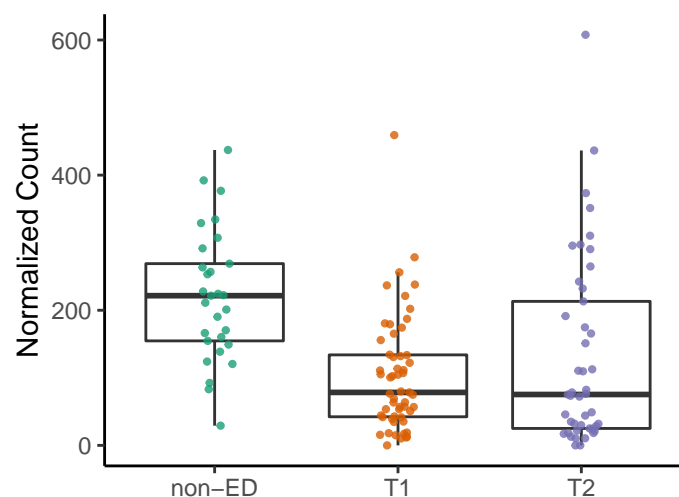
TCA: TCA cycle I (prokaryotic)

non-ED vs. T1 adjusted $p = 0.61$
non-ED vs. T2 adjusted $p = 0.037$
T1 vs. T2 adjusted $p = 0.16$



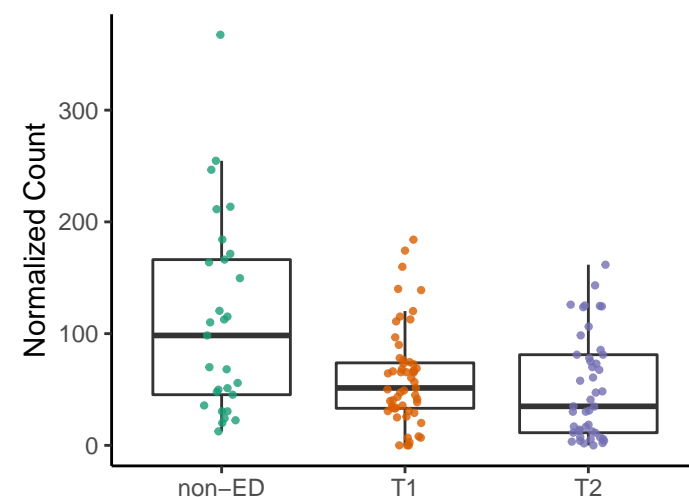
GLUCUROCAT-PWY: superpathway of

non-ED vs. T1 adjusted $p = 5.8e-05$
non-ED vs. T2 adjusted $p = 0.042$
T1 vs. T2 adjusted $p = 0.23$



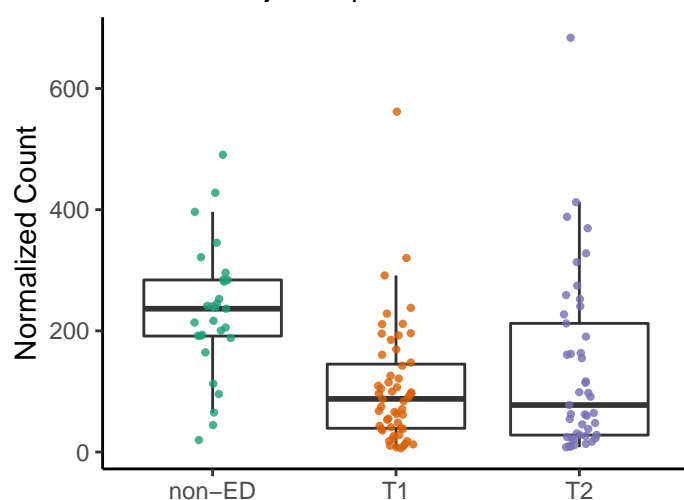
P4-PWY: superpathway of L-lysine, L-

non-ED vs. T1 adjusted $p = 0.028$
non-ED vs. T2 adjusted $p = 0.042$
T1 vs. T2 adjusted $p = 0.78$



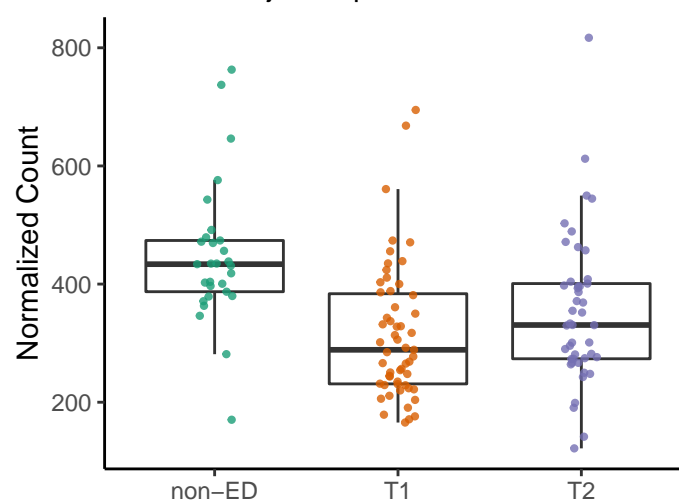
PWY-6507: 4-deoxy-L-threo-hex-4-

non-ED vs. T1 adjusted $p = 0.00012$
non-ED vs. T2 adjusted $p = 0.042$
T1 vs. T2 adjusted $p = 0.23$



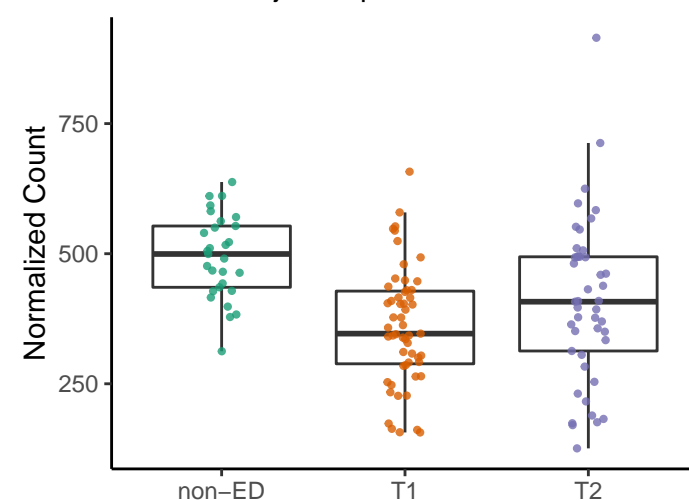
PWY-3001: superpathway of L-isoleuc

non-ED vs. T1 adjusted $p = 0.00023$
non-ED vs. T2 adjusted $p = 0.047$
T1 vs. T2 adjusted $p = 0.16$



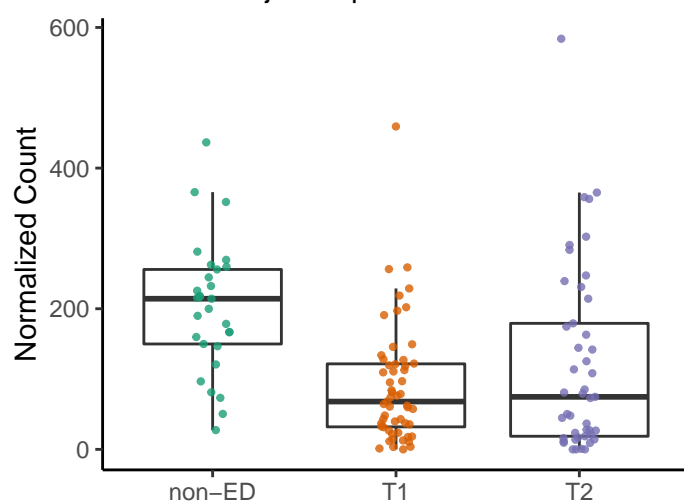
CALVIN-PWY: Calvin-Benson-Bassha

non-ED vs. T1 adjusted $p = 2.4e-06$
non-ED vs. T2 adjusted $p = 0.055$
T1 vs. T2 adjusted $p = 0.17$



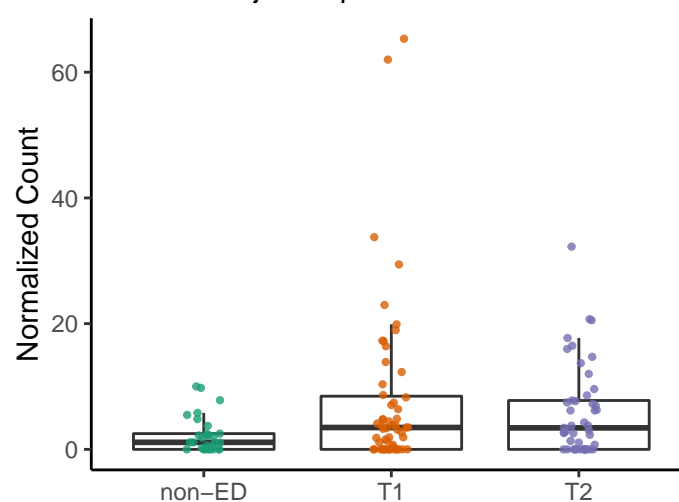
GALACT-GLUCUROCAT-PWY: super

non-ED vs. T1 adjusted $p = 7.1e-05$
non-ED vs. T2 adjusted $p = 0.055$
T1 vs. T2 adjusted $p = 0.18$



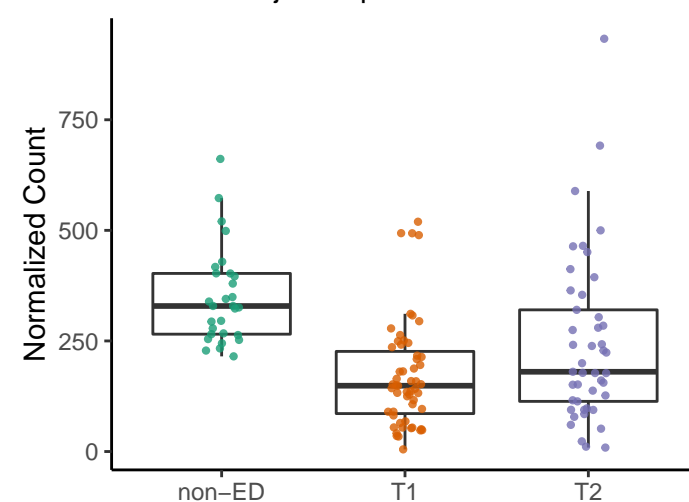
PWY-5464: superpathway of cytosolic c

non-ED vs. T1 adjusted $p = 0.024$
non-ED vs. T2 adjusted $p = 0.062$
T1 vs. T2 adjusted $p = 0.73$



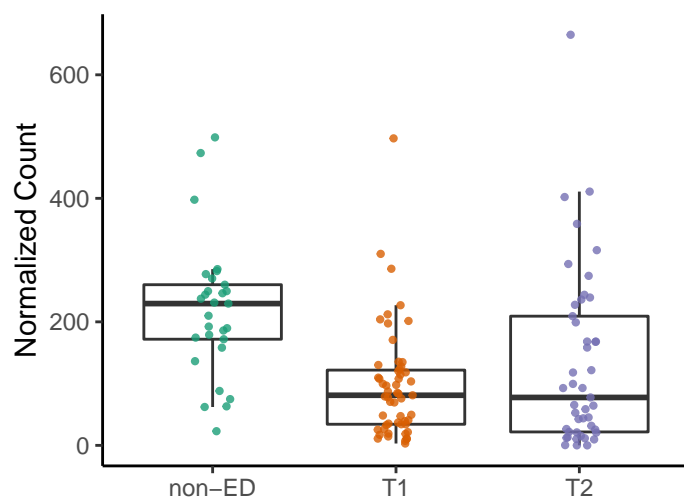
PWY-621: sucrose degradation III (suc

non-ED vs. T1 adjusted $p = 1.2e-06$
non-ED vs. T2 adjusted $p = 0.063$
T1 vs. T2 adjusted $p = 0.16$



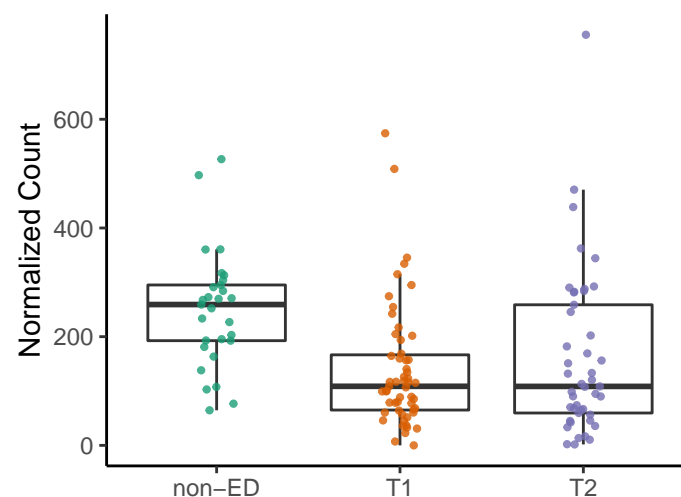
GALACTUROCAT-PWY: D-galacturon

non-ED vs. T1 adjusted $p = 0.00017$
non-ED vs. T2 adjusted $p = 0.068$
T1 vs. T2 adjusted $p = 0.17$



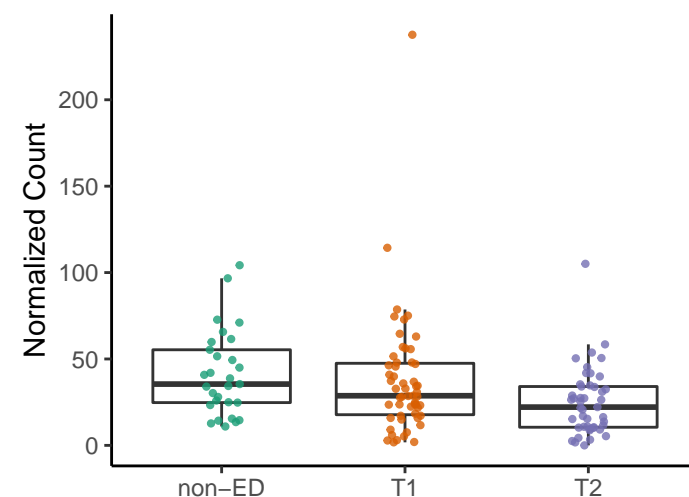
GLCMANNANAUT-PWY: superpathwa

non-ED vs. T1 adjusted $p = 0.00076$
non-ED vs. T2 adjusted $p = 0.068$
T1 vs. T2 adjusted $p = 0.24$



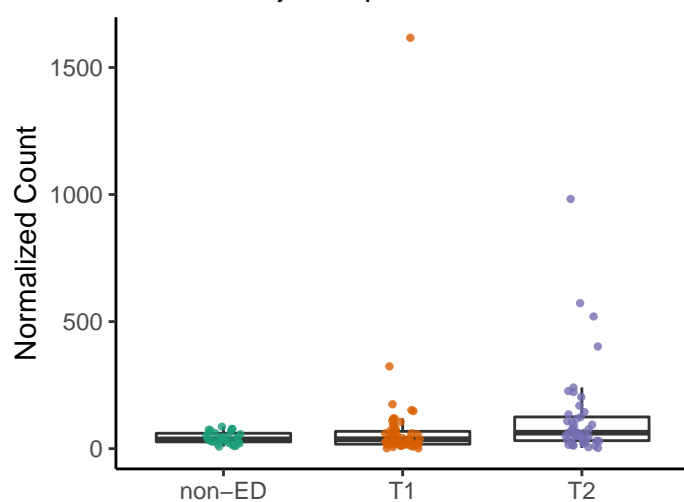
PWY-6969: TCA cycle V (2-oxoglutar

non-ED vs. T1 adjusted $p = 0.67$
non-ED vs. T2 adjusted $p = 0.068$
T1 vs. T2 adjusted $p = 0.17$



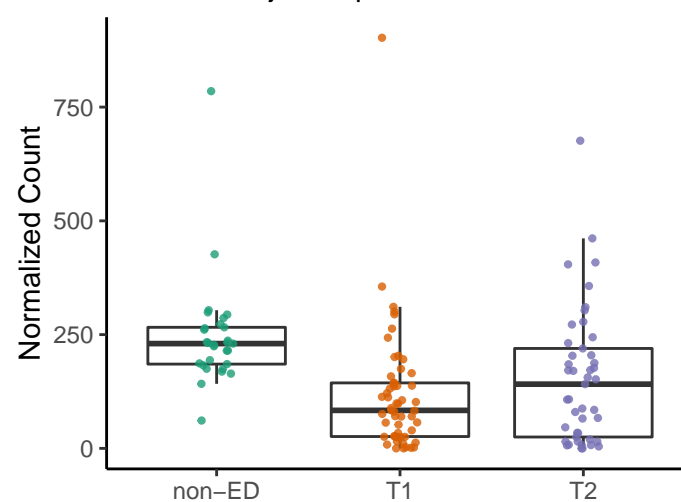
PWY-7237: myo-, chiro- and scillo-ir

non-ED vs. T1 adjusted $p = 0.34$
non-ED vs. T2 adjusted $p = 0.068$
T1 vs. T2 adjusted $p = 0.59$



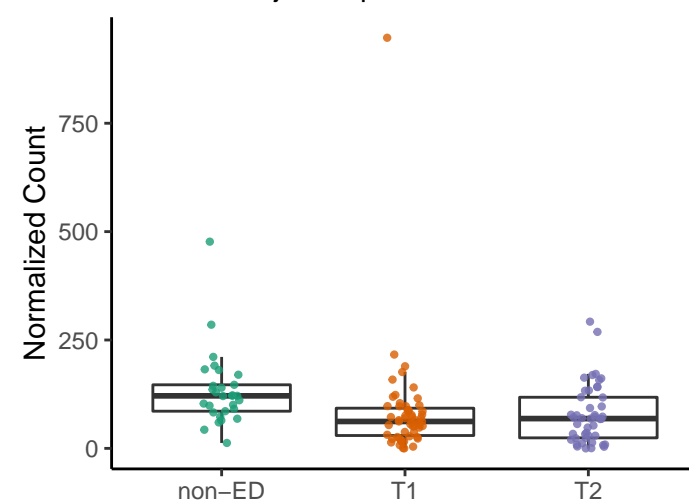
COBALSYN-PWY: adenosylcobalamin

non-ED vs. T1 adjusted $p = 7e-04$
non-ED vs. T2 adjusted $p = 0.069$
T1 vs. T2 adjusted $p = 0.16$



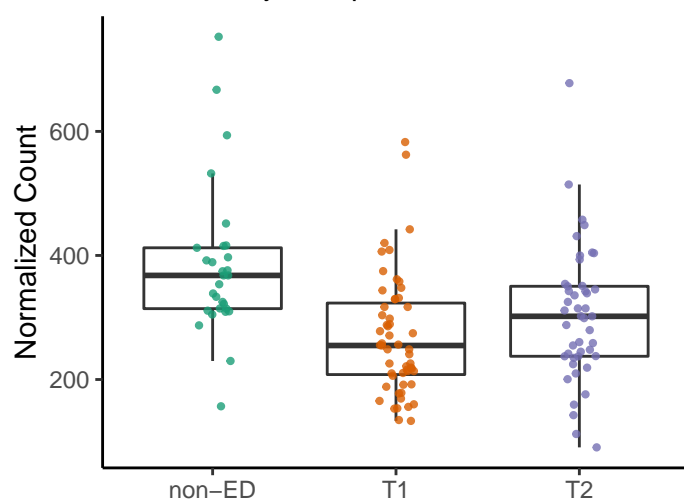
PWY-6305: putrescine biosynthesis IV

non-ED vs. T1 adjusted $p = 0.11$
non-ED vs. T2 adjusted $p = 0.071$
T1 vs. T2 adjusted $p = 0.29$



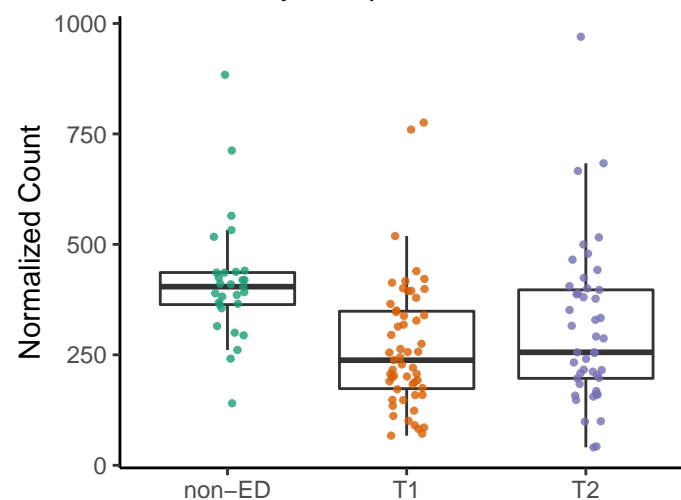
THRESYN-PWY: superpathway of L-tl

non-ED vs. T1 adjusted $p = 0.00099$
non-ED vs. T2 adjusted $p = 0.071$
T1 vs. T2 adjusted $p = 0.16$



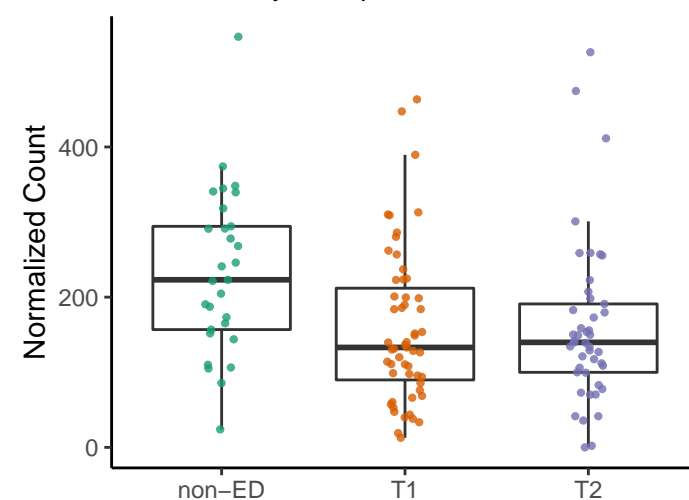
PWY-7357: thiamin formation from py

non-ED vs. T1 adjusted $p = 0.00057$
non-ED vs. T2 adjusted $p = 0.074$
T1 vs. T2 adjusted $p = 0.16$



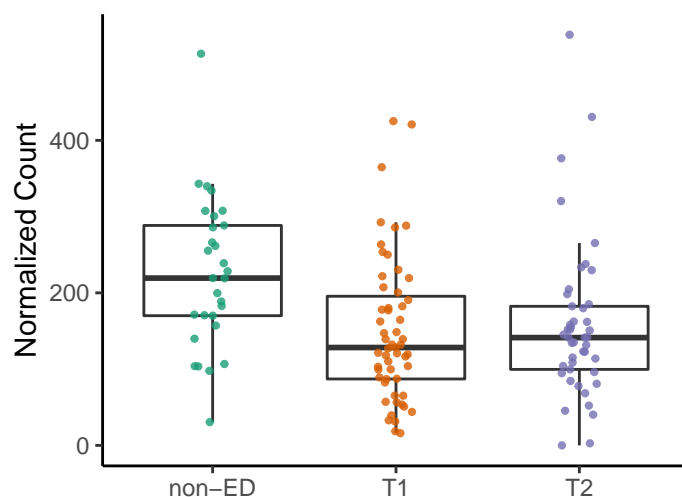
MET-SAM-PWY: superpathway of S-a

non-ED vs. T1 adjusted $p = 0.024$
non-ED vs. T2 adjusted $p = 0.074$
T1 vs. T2 adjusted $p = 0.86$



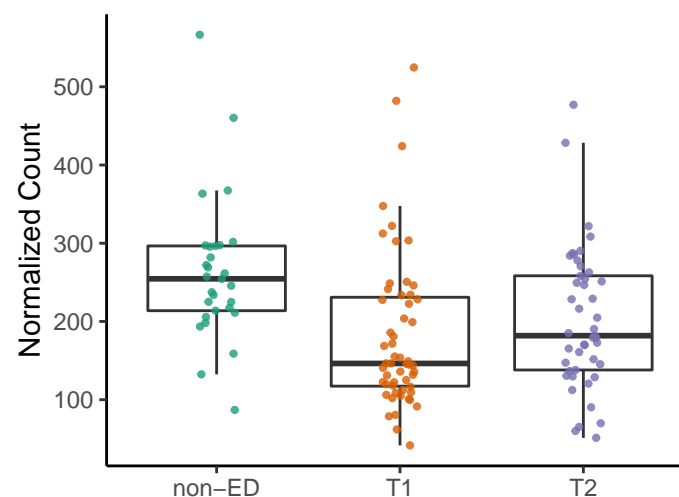
METSYN-PWY: L-homoserine and L-

non-ED vs. T1 adjusted $p = 0.012$
non-ED vs. T2 adjusted $p = 0.074$
T1 vs. T2 adjusted $p = 0.67$



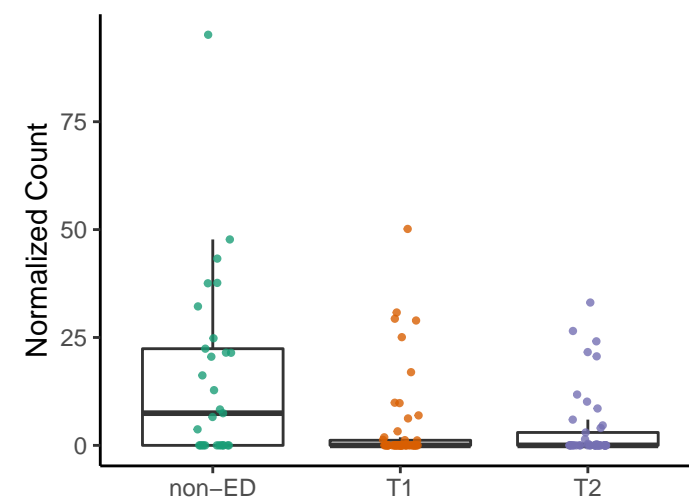
PWY-5100: pyruvate fermentation to a

non-ED vs. T1 adjusted $p = 0.0049$
non-ED vs. T2 adjusted $p = 0.074$
T1 vs. T2 adjusted $p = 0.36$



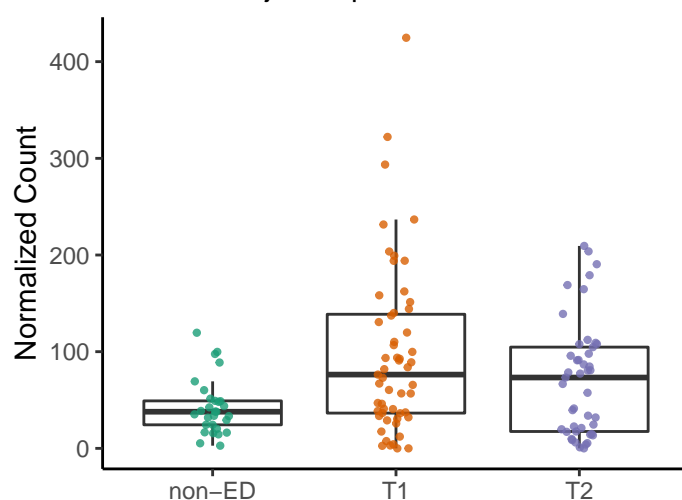
PWY-7209: superpathway of pyrimidine

non-ED vs. T1 adjusted $p = 0.039$
non-ED vs. T2 adjusted $p = 0.078$
T1 vs. T2 adjusted $p = 0.92$



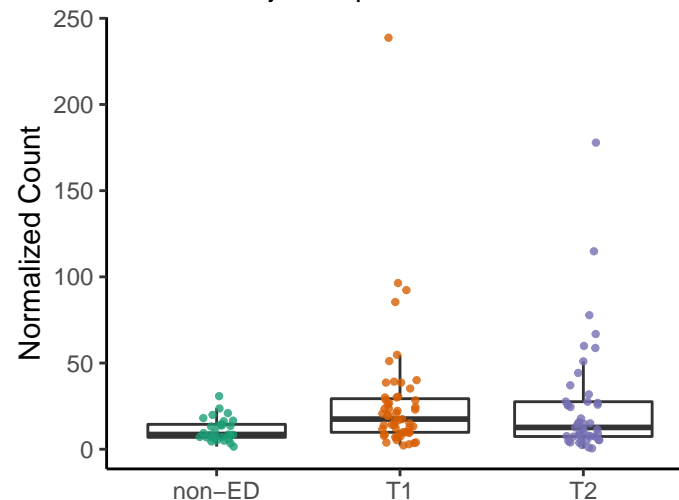
PWY-5484: glycolysis II (from fructose

non-ED vs. T1 adjusted $p = 0.00094$
non-ED vs. T2 adjusted $p = 0.078$
T1 vs. T2 adjusted $p = 0.25$



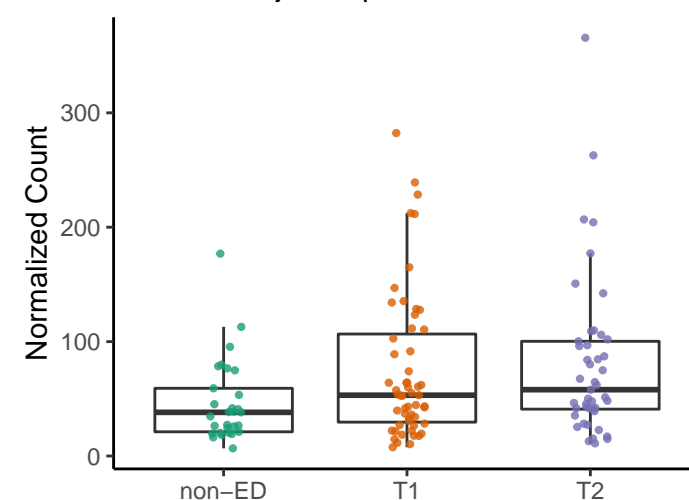
P161-PWY: acetylene degradation

non-ED vs. T1 adjusted $p = 0.018$
non-ED vs. T2 adjusted $p = 0.081$
T1 vs. T2 adjusted $p = 0.89$



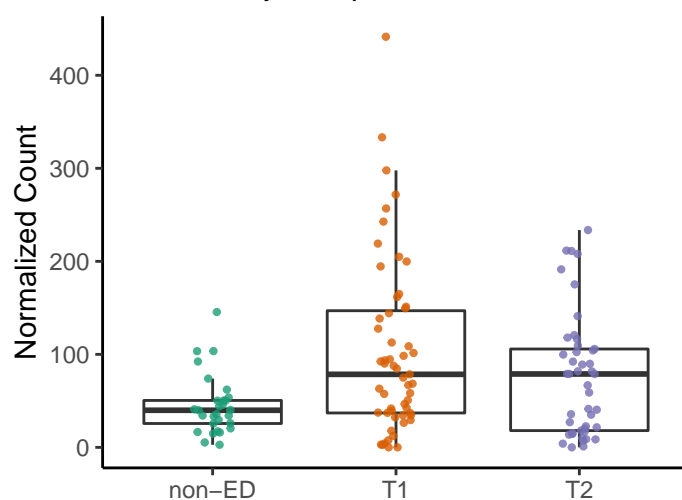
PWY0-1297: superpathway of purine d

non-ED vs. T1 adjusted $p = 0.054$
non-ED vs. T2 adjusted $p = 0.081$
T1 vs. T2 adjusted $p = 0.77$



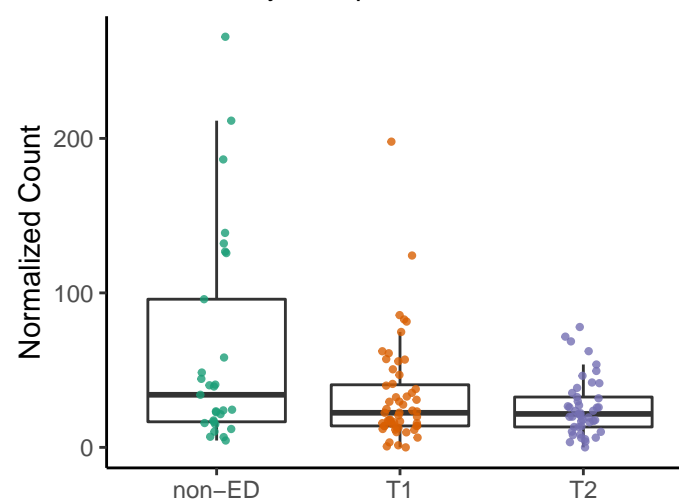
GLYCOLYSIS: glycolysis I (from glucos

non-ED vs. T1 adjusted $p = 0.0012$
non-ED vs. T2 adjusted $p = 0.084$
T1 vs. T2 adjusted $p = 0.26$



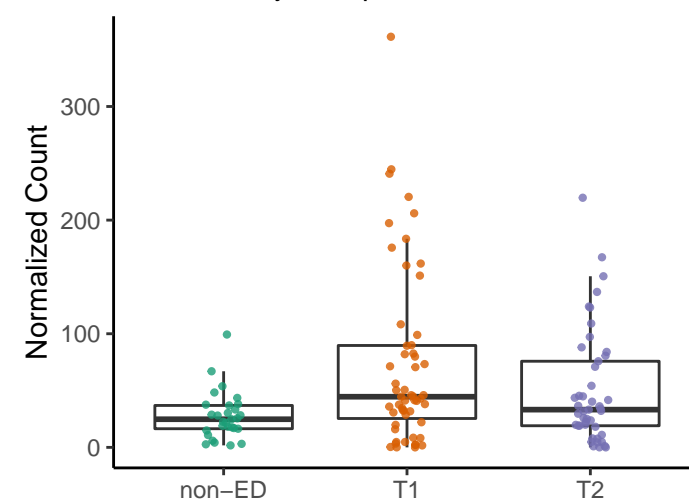
PENTOSE-P-PWY: pentose phosphat

non-ED vs. T1 adjusted $p = 0.12$
non-ED vs. T2 adjusted $p = 0.084$
T1 vs. T2 adjusted $p = 0.58$



PWY66-400: glycolysis VI (metazoan)

non-ED vs. T1 adjusted $p = 0.0013$
non-ED vs. T2 adjusted $p = 0.084$
T1 vs. T2 adjusted $p = 0.22$



HEME-BIOSYNTHESIS-II: heme biosynthesis I (aerobic)

non-ED vs. T1 adjusted p = 0.024

non-ED vs. T2 adjusted p = 0.085

T1 vs. T2 adjusted p = 0.49

