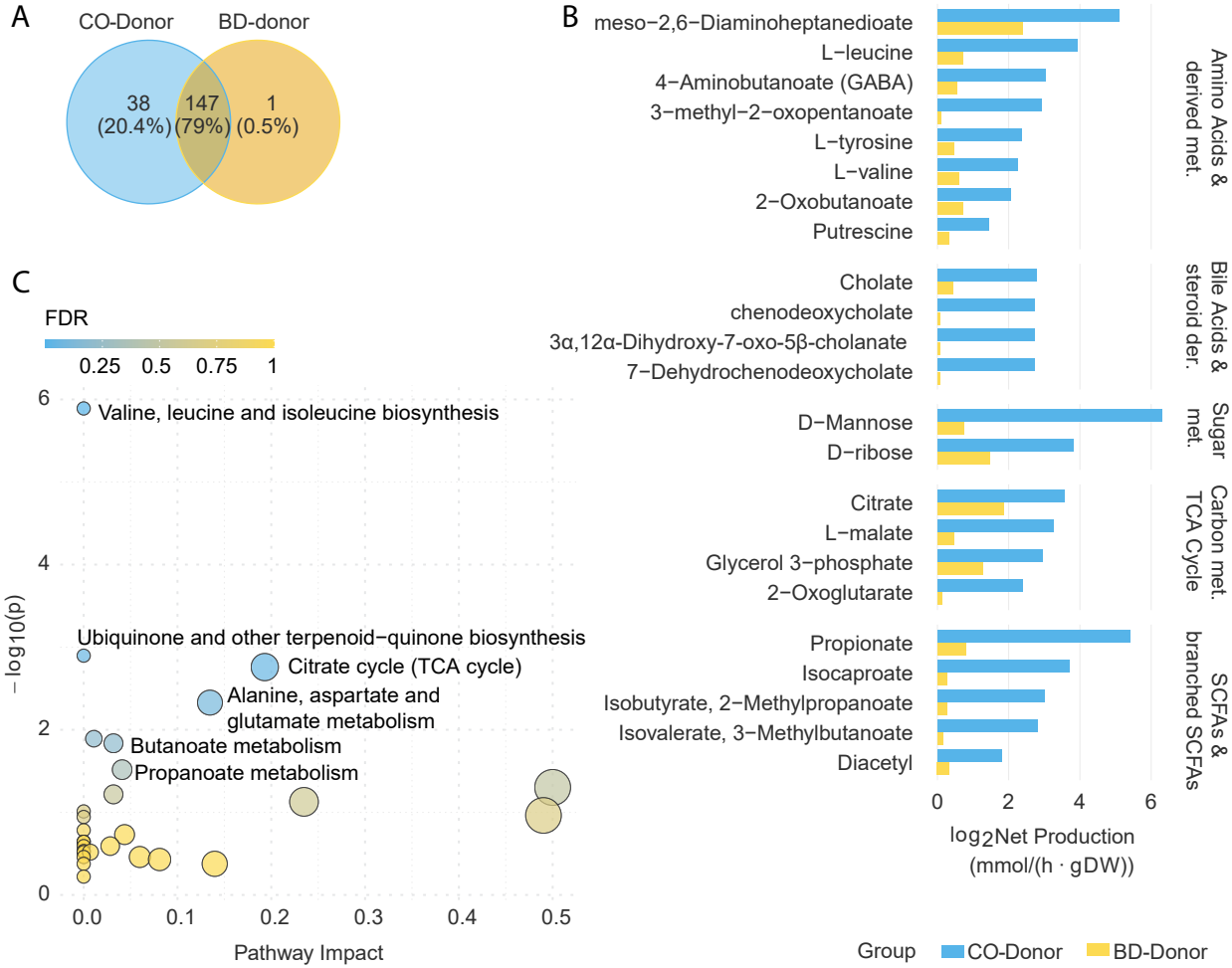
A
CO-Donor
BD-donor
38
(20.4%)
147
(79%)
1
(0.5%)
B
meso−2,6−Diaminoheptanedioate
L−leucine
4−Aminobutanoate (GABA)
3−methyl−2−oxopentanoate
L−tyrosine
L−valine
2−Oxobutanoate
Putrescine
Amino Acids & derived met.
Cholate
chenodeoxycholate
3α,12α-Dihydroxy-7-oxo-5β-cholanate
7−Dehydrochenodeoxycholate
Bile Acids & steroid der.
D−Mannose
D−ribose
Sugar met.
Citrate
L−malate
Glycerol 3−phosphate
2−Oxoglutarate
Carbon met. TCA Cycle
Propionate
Isocaproate
Isobutyrate, 2−Methylpropanoate
Isovalerate, 3−Methylbutanoate
Diacetyl
SCFAs & branched SCFAs
0
2
4
6
log2Net Production
(mmol/(h · gDW))
Group
CO-Donor
BD-Donor
C
FDR
0.25
0.5
0.75
1
Valine, leucine and isoleucine biosynthesis
Ubiquinone and other terpenoid−quinone biosynthesis
Citrate cycle (TCA cycle)
Alanine, aspartate and glutamate metabolism
Butanoate metabolism
Propanoate metabolism
−log10(p)
0
2
4
6
0.0
0.1
0.2
0.3
0.4
0.5
Pathway Impact