## Abundance table Genus-level LCA DSS NO DSS Water Taxonomy LCA.DSS.1 LCA.DSS.2 LCA.DSS.3 LCA.DSS.4 LCA.DSS.5 No.DSS.1 No.DSS.2 No.DSS.3 No.DSS.4 No.DSS.5 Water.DSS.1 Water.DSS.2 Water.DSS.3 Water.DSS.3 Water.DSS.4 Water.DSS.5 37.28% 13.42% 26.99% 13.67% 3.20% 20.32% 33.23% 21.78% 17.10% 19.82% 8.15% 19.65% p\_Bacteroidetes g\_Bacteroides 38.79% 11.03% 23.31% p\_Bacteroidetes g\_Parabacteroides 12.17% 1.07% 3.25% 5.10% 0.32% 10.84% 11.67% 13.08% 7.49% 10.87% 1.34% 4.14% 7.00% 1.84% 1.31% p\_\_Firmicutes f\_\_Lachnospiraceae 1.07% 13.61% 10.12% 7.44% 3.96% 5.12% 5.94% 8.61% 9.33% 4.90% 8.25% 3.07% 0.48% 2.62% 7.61% p\_\_Firmicutes f\_\_Ruminococcaceae 1.23% 2.61% 1.59% 2.20% 2.62% 1.64% 3.22% 2.37% 2.47% 2.63% 3.69% 3.51% 2.88% 2.10% 0.21% 4.53% 8.36% 0.00% 0.00% 0.00% 0.00% 0.31% 0.82% p\_\_Firmicutes g\_\_Enterococcus 0.35% 1.46% 0.10% 0.00% 5.66% 18.70% 0.86% 3.72% 12.97% 5.20% 5.43% 6.10% 4.09% 3.63% 3.88% 8.39% 6.63% 5.80% p\_\_Firmicutes g\_\_Oscillospira 3.53% 7.33% 1.31% 6.21% p\_\_Firmicutes o\_\_Clostridiales 8.71% 25.04% 23.13% 40.95% 29.21% 25.83% 25.59% 33.25% 29.12% 21.74% 41.19% 14.54% 2.82% 29.79% 27.87% 3.50% 9.68% 11.95% 0.46% 0.09% 0.65% 0.12% 0.09% p\_\_Deferribacteres g\_\_Mucispirillum 3.39% 28.35% 11.23% 6.16% 1.97% 16.38% 8.69% 16.86% 0.00% 0.00% 0.00% 0.00% p\_Proteobacteria g\_Proteus 1.95% 2.81% 0.04% 7.89% 0.00% 0.40% 13.21% 56.69% 2.42% 1.52% Other 10.94% 19.30% 13.49% 20.20% 25.83% 24.40% 2.67% 12.77% 25.43% 9.10% 30.46% 17.74% 16.55% 18.44% 15.69%

Data from Habtezion project

E. coli not found