



Figure S3: Significant Pearson correlations between ASVs and SCFAs at T₀ (A) and T₁ (B) with motricity index (MI_TOT). (A1) Christensenellaceae; (A2) Acetic acid; (B1) *Bacteroides*; (B2) *Clostridium* (Lachnospiraceae). Only statistically significant (p -value ≤ 0.05) correlations between ASVs, SCFAs and MI_TOT were showed.