



Figure S1. Analysis of lipid A from *B. vulgatus* wildtype, *lpxF*, BVU_1078, and double mutant strains by mass spectrometry. A-D. MALDI-TOF mass spectra. Because *Bacteroides* exhibit variable fatty acyl chain lengths and branching patterns, each spectrum exhibits a cluster of peaks that differ by 14 mass units, reflecting the variable number of methylene (CH_2) groups. Each panel represents a distinct genotype as indicated. **E, F.** Representative structures of wildtype and Δ BVU_1078 strains (**E**) and of Δ *lpxF* and Δ *lpxF* Δ BVU_1078 double mutant strains (**F**). In **E** and **F**, structures represent the species with the highest mass:charge ratio (m/z).

Figure S1