

SUPPORTING INFORMATION

The impact of different types of high surface area brush fibers with different electrical conductivity and biocompatibility on the rates of methane generation in anaerobic digestion

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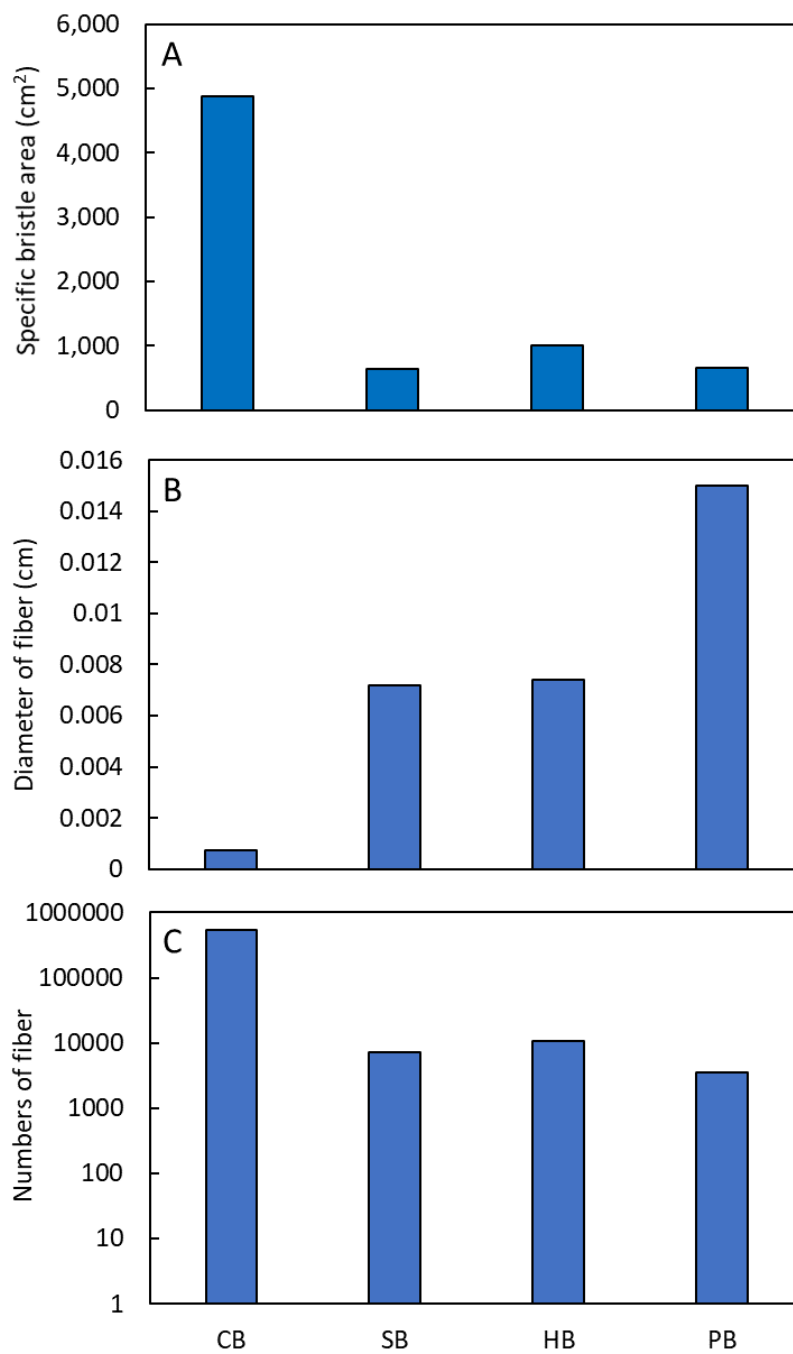


Fig. S1. The specific bristle area (A), the diameter of each fiber (B), and total numbers of fiber used to make each brush structure (C).

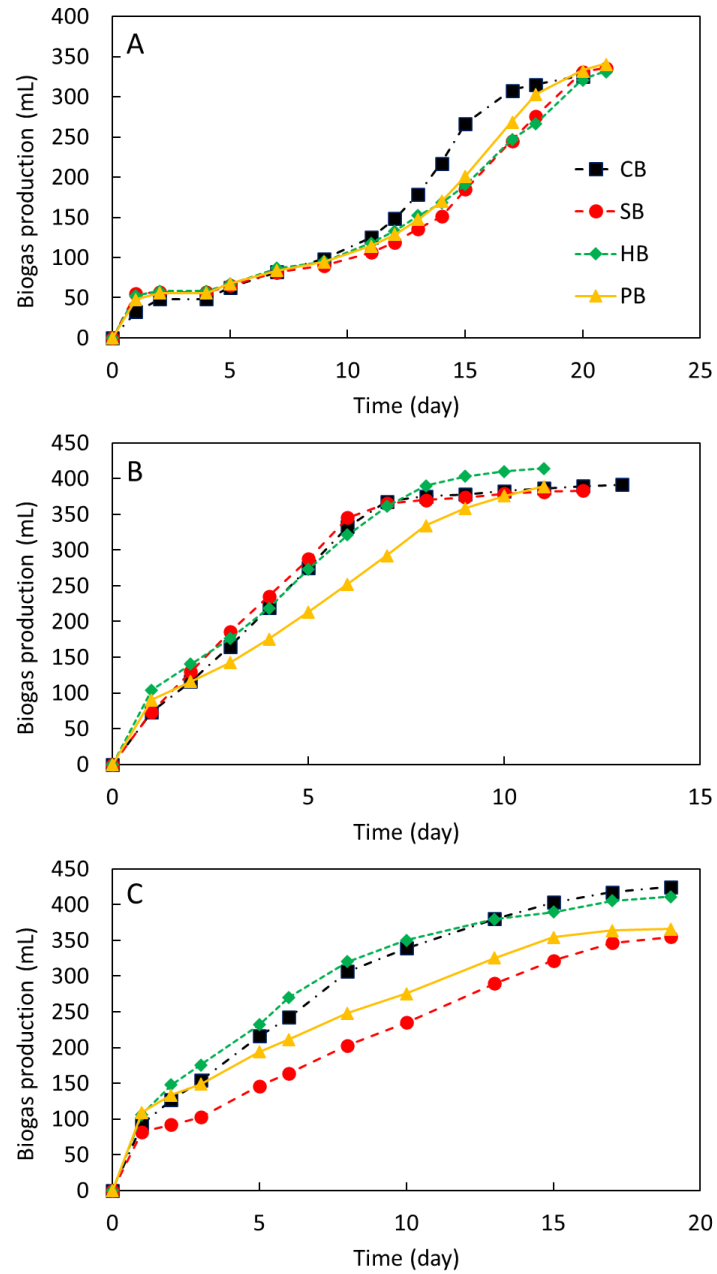


Fig. S2. The cumulative biogas during acclimation period. (A) the first cycle, (B) the second cycle, and (C) the third cycle.

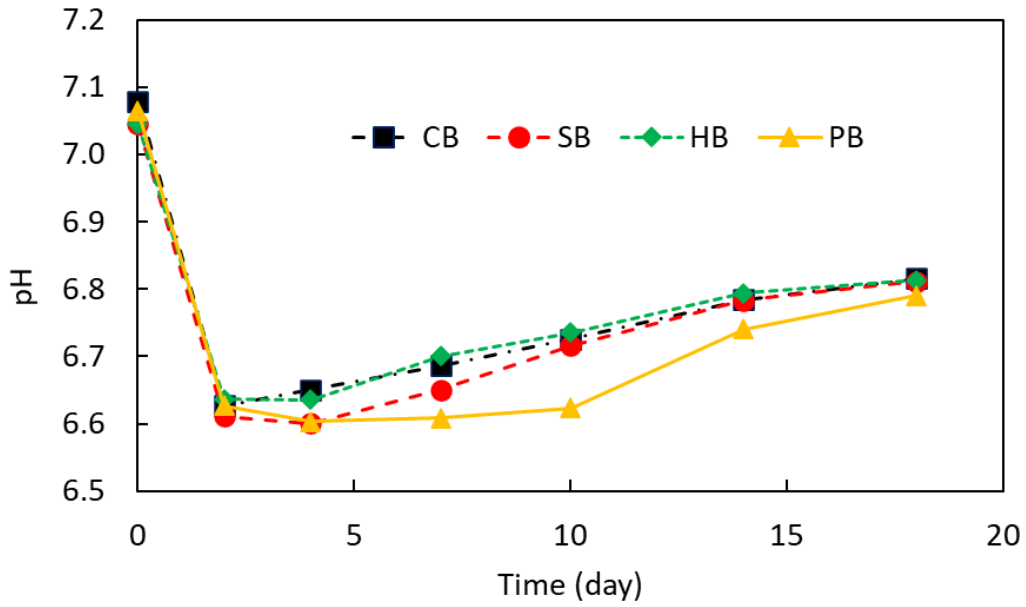


Fig. S3. pH changes in each reactor during the fourth batch cycle.

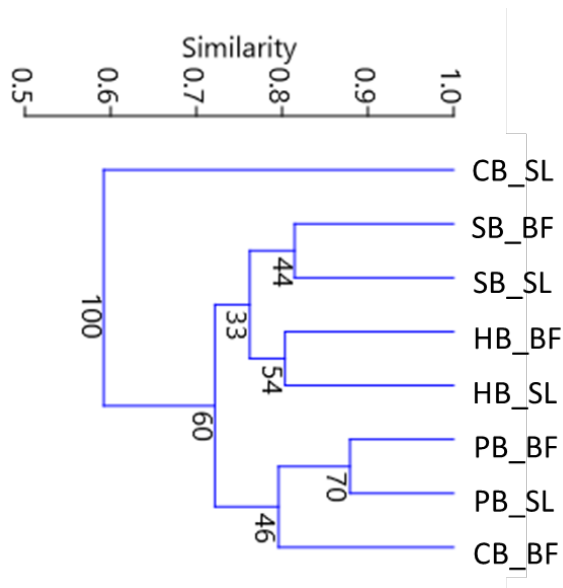


Fig. S4. Cluster dendrograms based on based on 16S rRNA analysis for total microbial community. Each community profile is labeled with the reactor name followed by sampling points (BF, biofilm; SL, solution).

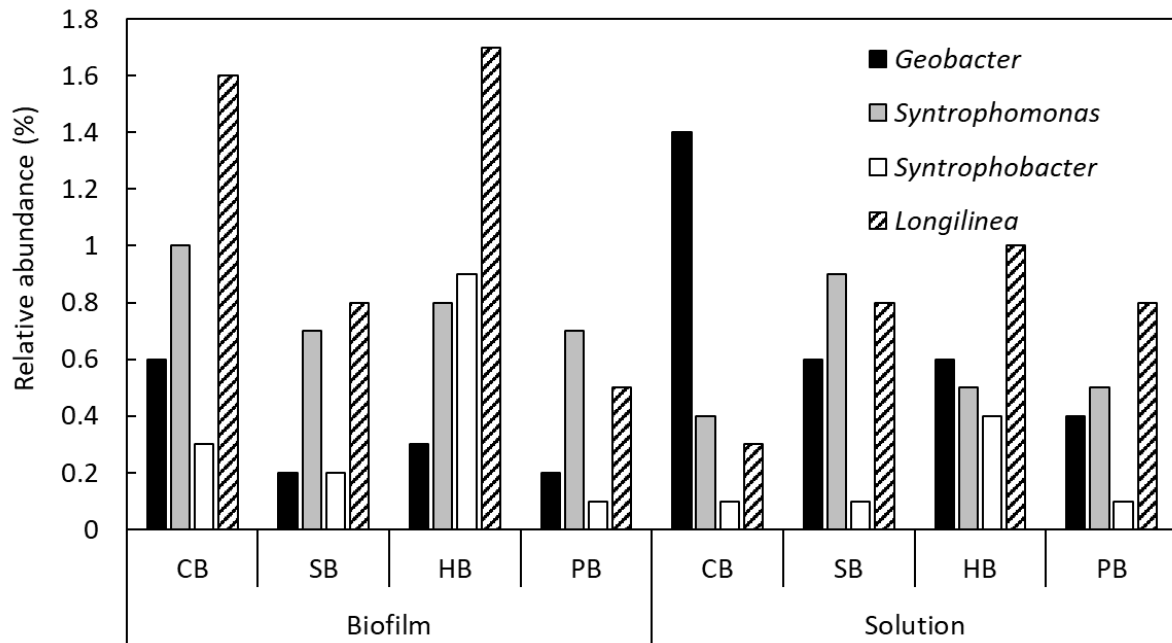


Fig. S5. The relative abundance of genus *Geobacter*, *Syntrophomonas*, *Syntrophobacter* and *Longilinea* in the 16S rRNA libraries.