

Figure S1. Gram staining results (a) and phylogenetic tree (b) of *Bifidobacterium longum* subsp. *longum* XZ01.

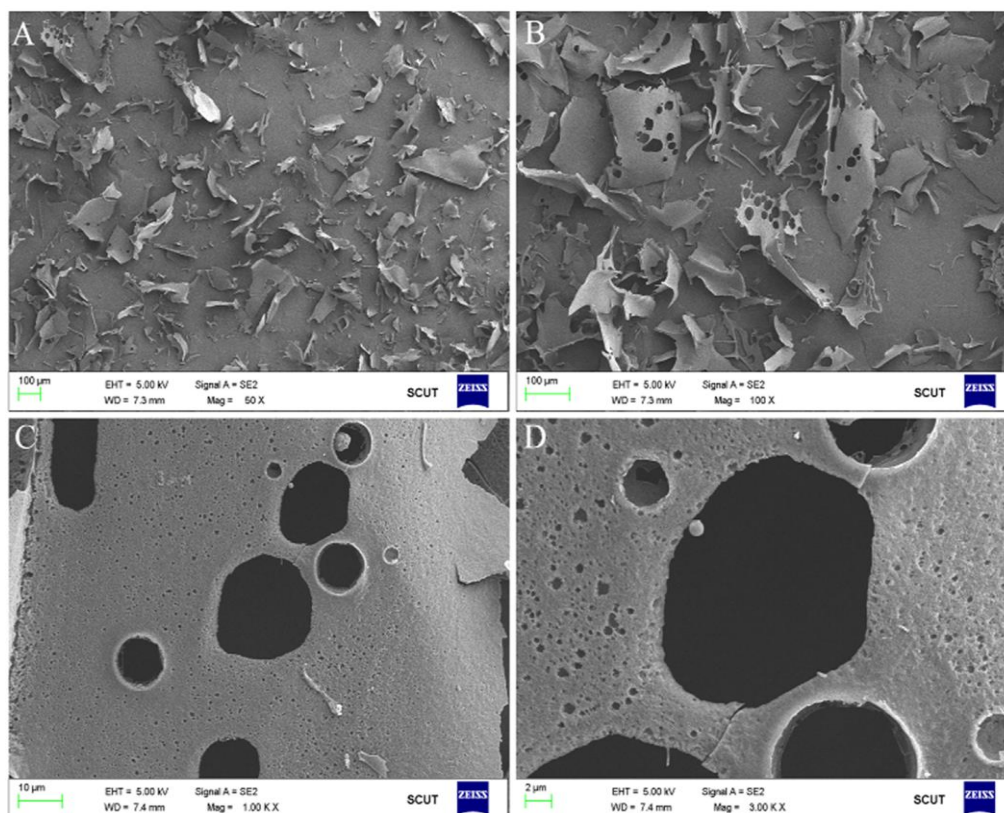


Figure S2. SEM images of S-EPS-1. A. 50 \times ; B. 100 \times ; C. 1000 \times ; D. 3000 \times .

Table S1. PCR primer sequences.

Primer name		Sequence (5'→3')
GAPDH	Forward	GTGTTCTACCCCCAATGTGT
	Reverse	ATTGTCATACCAGGAAATGAGCTT
IL-1 β	Forward	CTTCAGGCAGGCAGTATCACTC
	Reverse	TGCAGTTGTCTAATGGGAACGT
IL-6	Forward	CCTACCCCAATTTCCAATGCTC
	Reverse	GGTCTTGGTCCTTAGCCACTC
TNF- α	Forward	GATCGGTCCCCAAAGGGATG
	Reverse	GTGGTTTGTGAGTGTGAGGGT