

Fig. S1

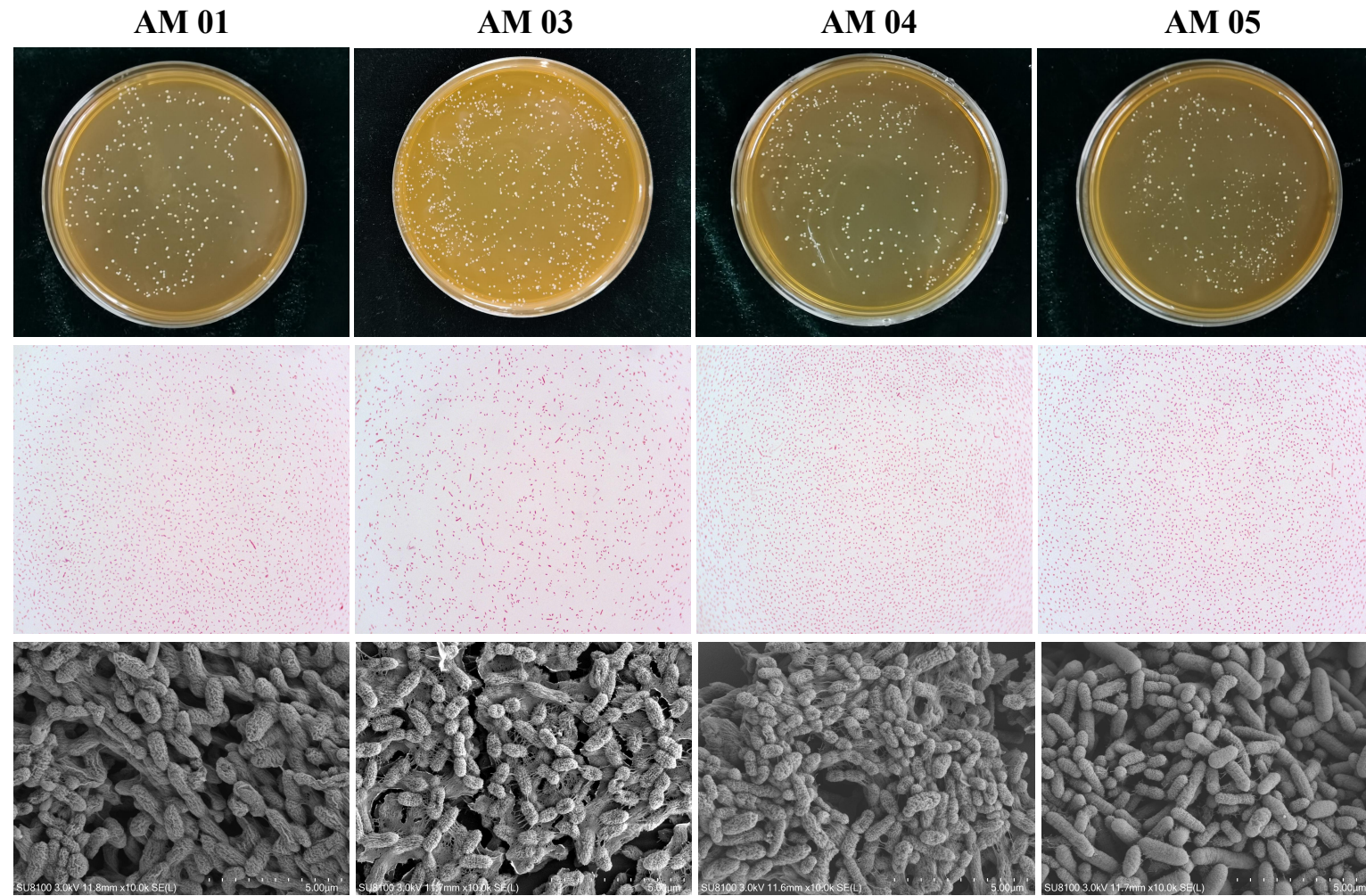
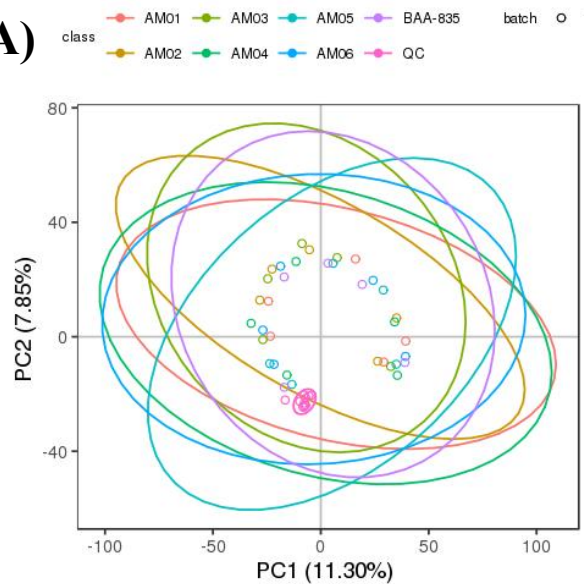


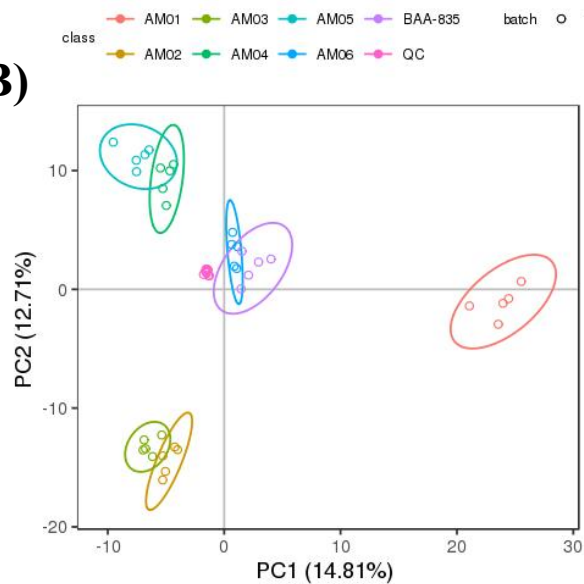
Figure S1. Bacterial colonies on agar medium, gram staining under the optical microscope, and morphological characteristics of bacterial cells under the scanning electron microscope of *A. muciniphila* AM01 and AM03–05.

Fig. S2

(A)



(B)



(C)

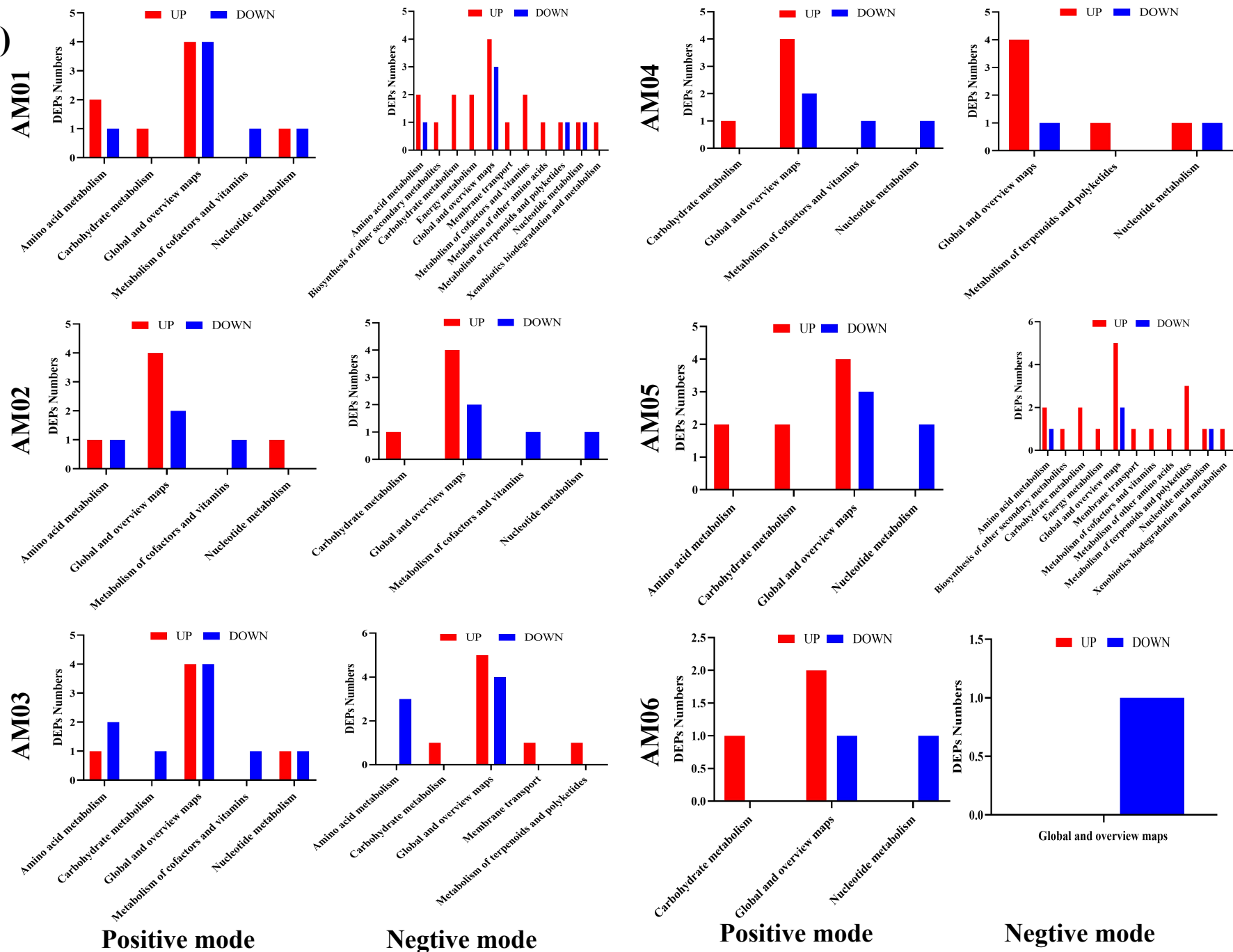


Figure S2. Major components of the culture supernatant of *A. muciniphila* AM01–06 and *A. muciniphila* ATCC BAA-835 under positive mode (A) and negative mode (B). (C) Differential metabolite pathways between *A. muciniphila* AM01–06 and *A. muciniphila* ATCC BAA-835.