



**Figure S1.** Identification of  $\Delta sarX$  and  $\Delta sarX-C$  strains. (A) Schematic model of construction of  $\Delta sarX$  and  $\Delta sarX-C$ . (B) PCR identification of  $\Delta sarX$  and  $\Delta sarX-C$ . M: DNA marker; 1: WT; 2:  $\Delta sarX$ ; 3:  $\Delta sarX-C$ . (C) DNA sequencing result for the validation of  $\Delta sarX$ .