



**Supplementary figure 2. Antibacterial activity of BLIS produced by KYS-164.**

A, B, and C respectively represent the antibacterial ability of *S. warneri* KYS-164 extracellular crude protein, BLIS adjusted to pH 6.0, and BLIS after adding catalase to eliminate the effect of hydrogen peroxide. The size of the inhibition zone represents the strength of the antibacterial ability.

Control is a sterile MRS liquid medium.