



Figure S1. TNF- α inhibitory effect of the 20 LAB strains (heat-treated) isolated from kimchi. RAW 264.7 cells (1×10^6 cells/well) were treated with 100 ng/mL LPS in the presence or absence of heat-inactivated LAB (1×10^5 CFU/well) for 20 h. To determine the level of TNF- α , culture supernatants were used for ELISA. The mean \pm SD ($n = 3$) showed enzyme activity values. # Significantly difference are derived compared to normal control group ($p < 0.05$). * Significantly difference are derived compared to LPS-only treated group ($p < 0.05$).