Supplementary Materials

Supplementary Table

Table S1. List of qPCR primers

Gene	*Primer sequences*
GAPDH	AGGTCGGTGAACGGATTTG
	GGGGTCGTTGATGGCAACA
IL-6	TAGTCCTTCCTACCCCAATTTCC
	TTGGTCCTTAGCCACTCCTTC
iNOS	GTTCTCAGCCCAACAATACAAGA
	GTGGACGGGTCGATGTCAC
TLR2	GCAAACGCTGTTCTGCTCAG
	AGGCGTCTCCCTCTATTGTATT
TLR9	ATGGTTCTCCGTCGAAGGACT
	GAGGCTTCAGCTCACAGGG
IL-1β	GCAACTGTTCCTGAACTCAACT
	ATCTTTTGGGGTCCGTCAACT
NOD2	CAGGTCTCCGAGAGGGTACTG
	GCTACGGATGAGCCAAATGAAG
KLF2	ACAGACTGCTATTTATTGGACCTTAG
	CAGAACTGGTGGCAGAGTCATTT

Supplementary Figures

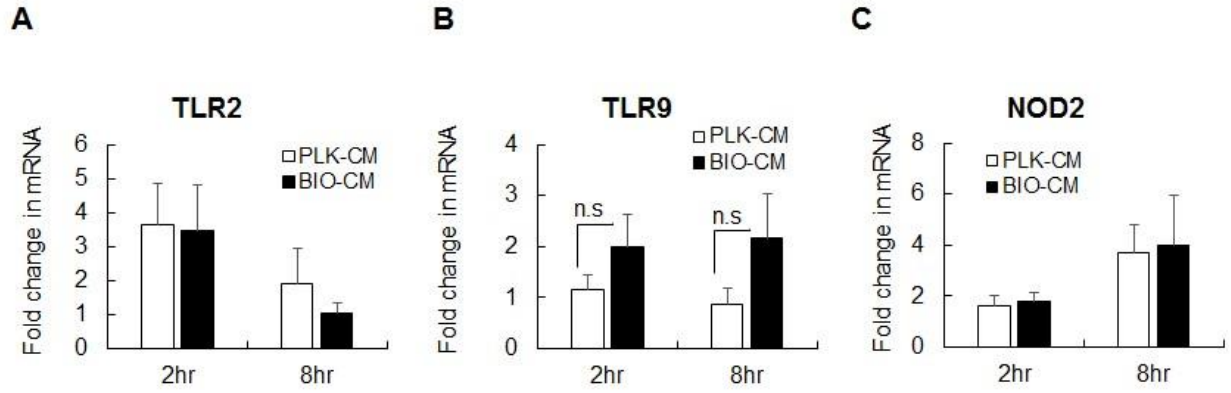

Figure S1. Effects of *S. aureus* biofilm on the expression of TLR2, TLR9, and NOD2 in RAW 264.7 macrophages. RAW 264.7 cells were treated with conditioned medium from planktonic culture (PLK-CM) or biofilm culture (BIO-CM) of *S. aureus* for the indicated time. qPCR analysis of TLR 2 (A), TLR 9 (B), and NOD 2 (C) mRNAs from RAW 264.7 cells following 2 or 8 hour treatment of PLK-CM or BIO-CM. n.s: not significant, $p>0.05$. N=6-8. Data are presented as mean ± SE.

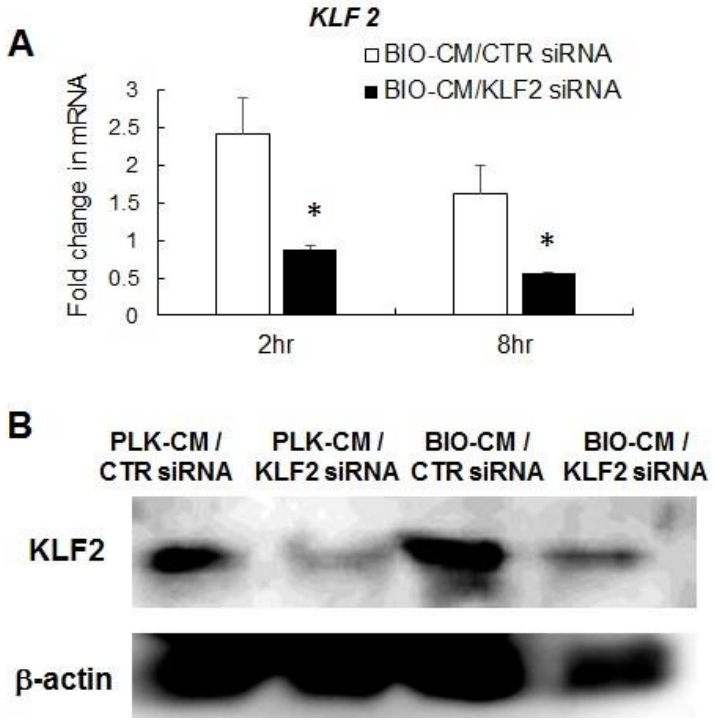

Figure S2. siRNA mediated knockdown of KLF2 gene in RAW 264.7 cells. RAW 264.7 cells were transfected with KLF2 siRNA or scrambled control siRNA (CTR siRNA), and cells were exposed to conditioned medium collected from a biofilm culture of *S. aureus* (BIO-CM). A. qPCR analysis for the expression of KLF2 mRNA from RAW 264.7 macrophages transfected with control (CTR) siRNA or KLF2 siRNA following the exposure of BIO-CM for 2 or 8 hours. N=6 per group. Data are presented as mean ± SE. *: $p<0.05$ vs. BIO-CM/CTR siNRA group. B. Representative western blot images for the expression of the KLF2 protein at 8hrs. β-actin expression was used as a housekeeping control. Results are representative of three independent experiments.