

Supplementary materials for Applied Microbiology and Biotechnology titled as:

A novel *Escherichia coli* cell-based bioreporter for quantification of salicylic acid in cosmetics

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Figure S1. The responses of biosensor, *Escherichia coli* BL21 WT harboring pMarO-eGFP (SA1), toward salicylic acid. The eGFP signals were indicated as arbitrary units. Asterisks indicate significant difference in data compared with control (* $P \leq 0.05$, ** $P \leq 0.01$, *** $P \leq 0.001$ using the Dunnett's test).

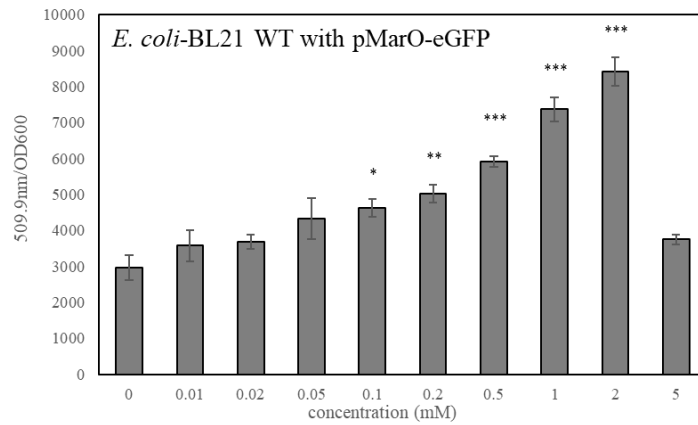


Figure S2. The fluorescence signals of standard curve indicated as arbitrary units. Responses of biosensor SA2 exposed to 0–5 mM of salicylic acid for 2 h after 10 μ M of IPTG treatment. The data were obtained from more than three experiments. The standard deviation is indicated as error bars.

