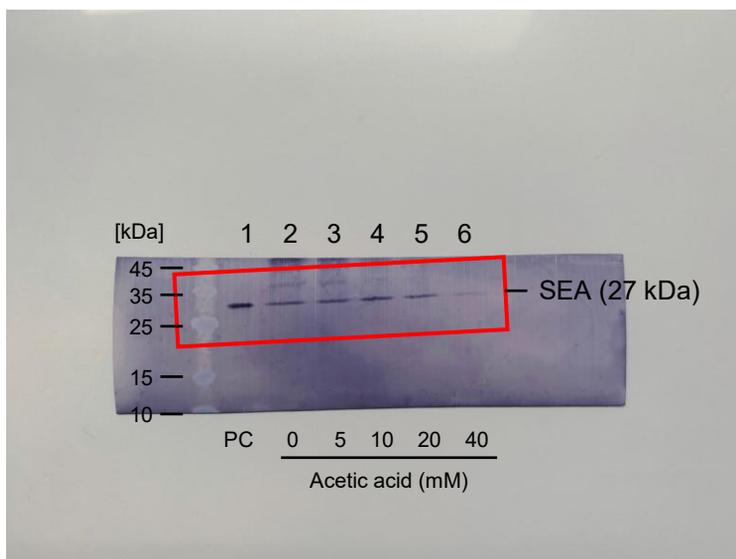
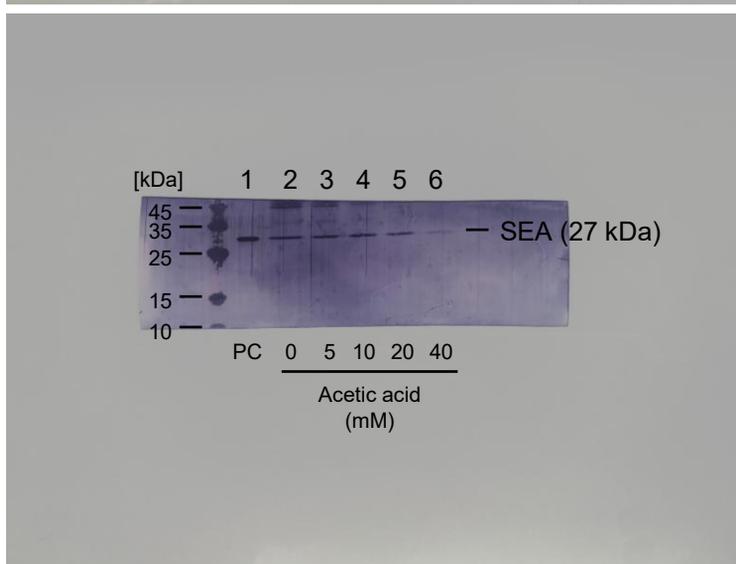


## Raw data in Supplementary Information Electrophoretic gels and blots

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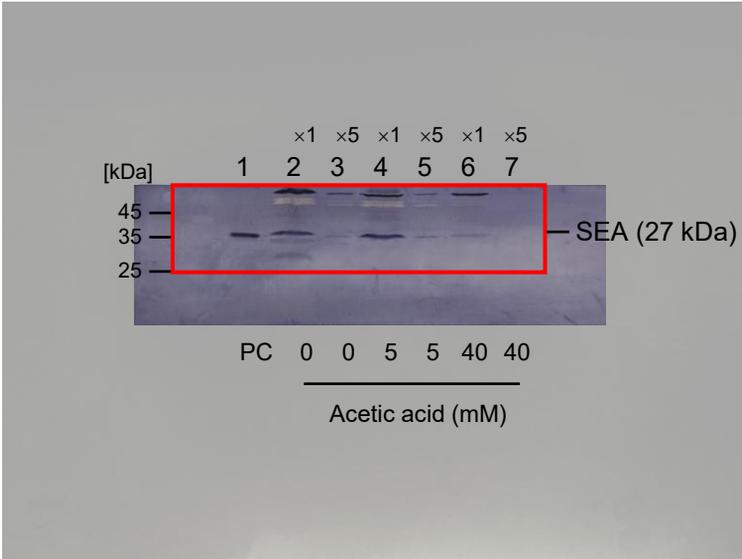
**Fig. 1:** Blots membrane in Fig. 2(B).

SEA production in the culture supernatant of *S. aureus* incubated with acetic acid.

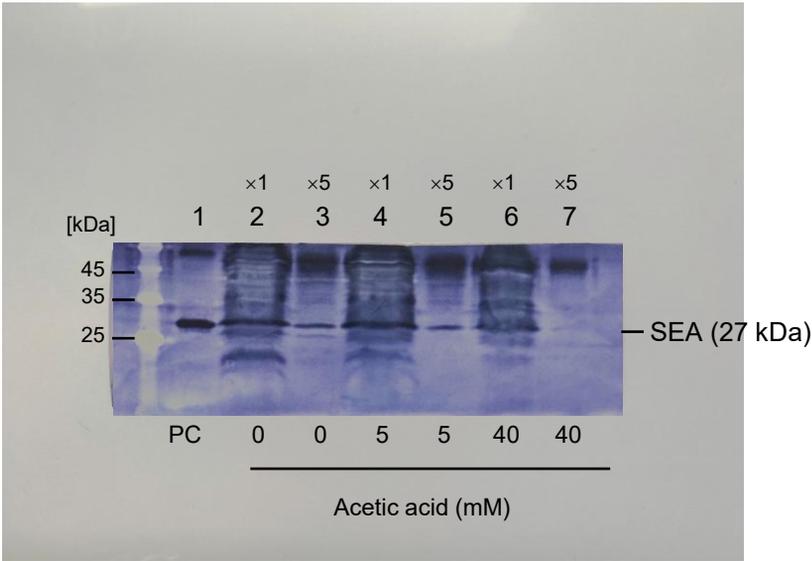
Lane 1: Positive control staphylococcal enterotoxin A (SEA), Lane 2: *S. aureus* incubated without acetic acid (0 mM). Lane 3, 4, 5, and 6: *S. aureus* incubated with 5, 10, 20 and 40 mM acetic acid. The trimming area is outlined in red.

# Electrophoretic gels and blots

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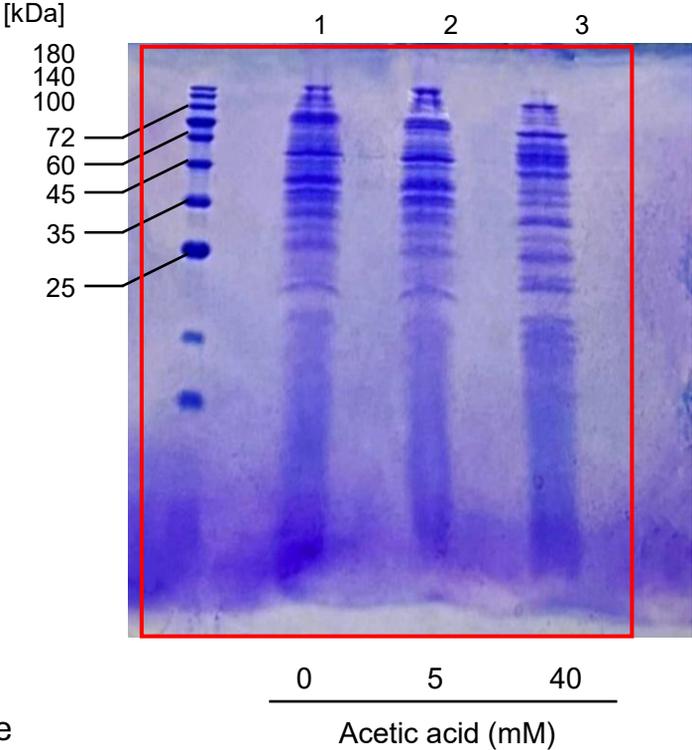


**Fig. 2:** Blots membrane in Fig. 4(C).

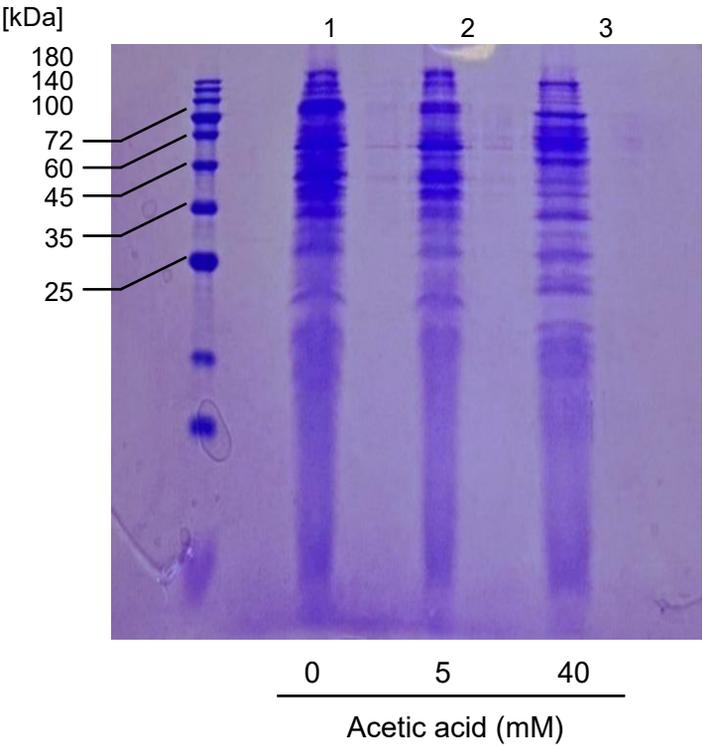
Effect of acetic acid on SEA content of MVs. MVs were prepared from culture supernatants after 17 h of incubation of *S. aureus* in broth containing 0, 5, and 40 mM acetic acid. Lane 1: Positive control staphylococcal enterotoxin A (SEA), Lane 2, 3: The undiluted solution of condition 0 mM acetic acid and its 5-fold diluted solution, Lane 4, 5: The undiluted solution of condition 5 mM acetic acid and its 5-fold diluted solution, Lane 6, 7: The undiluted solution of condition 40 mM acetic acid and its 5-fold diluted solution. The trimming area is outlined in red.

# Electrophoretic gels and blots

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**Fig. 3:** Electrophoretic gels in Fig. 5. SDS-PAGE gel of cargo proteins in MVs prepared in broth containing acetic acid. MVs were prepared from culture supernatants after 17 h of incubation of *S. aureus* in broth containing 0, 5, and 40 mM acetic acid. Lane 1: 0 mM acetic acid, Lane 2: 5 mM acetic acid, Lane 3: 40 mM acetic acid. The trimming area is outlined in red.