SUPPLEMENTAL MATERIAL

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- 3 FIG. S1. The catalytic domain of LtaS is exposed to the extracellular side of the cell
- 4 membrane.
- 5 (A) The Protein A-deficient S. aureus strain M0107 harboring pNDXltaS-His
- 6 (LtaS-His) or pNDX1 (empty vector) were grown at 37°C to OD₆₀₀=0.5 and treated
- 7 with anhydrotetracyclin. LtaS-His in the membrane (30 μg) and culture medium
- 8 fraction (3 μg) was detected by immunoblotting using an anti-His antibody. Bands
- 9 consistent with the predicted molecular weight of LtaS (i.e. 68 kDa) and the C-terminal
- fragment containing the phosphoglycerol transferase like domain (C-term, 48 kDa) were
- detected in the membrane fraction and in the culture medium, respectively.
- 12 (B) Model of extracellular localization of the phosphoglycerol transferase domain of
- 13 LtaS protein. LtaS is a membrane protein with five putative membrane spanning regions
- 14 (black bars). The C-terminal phosphoglycerol transferase-like domain (gray balloon) is
- oriented to the exterior and may be cleaved by a protease and released.