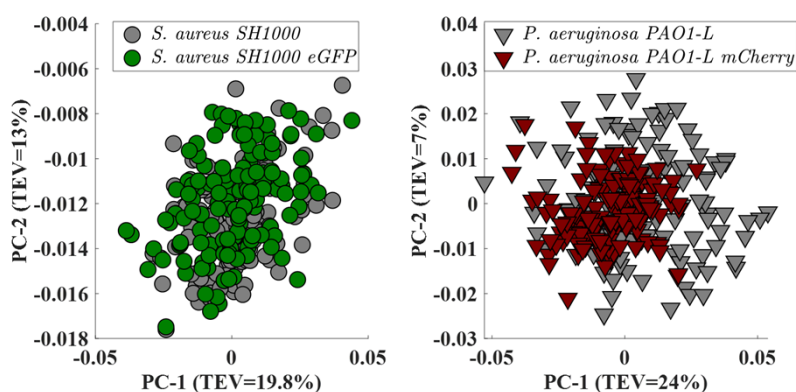


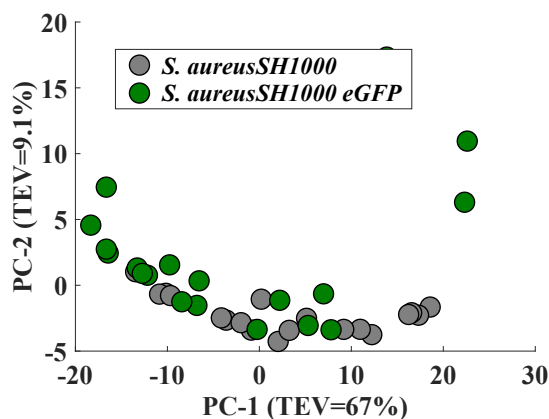
## Vibrational Spectroscopic Characterisation of Fluorescent-Protein-Tagged and Wild-Type Bacteria in Surface-Associated Microdroplets

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**Figure S1.** Principal component analysis (PCA) applied to second derivatives of wild-type and fluorescent-protein-expressing bacterial strains. PCA scores obtained for *S. aureus* SH1000 vs. *S. aureus* SH1000eGFP (left) and *P. aeruginosa* PAO1-L vs. *P. aeruginosa* PAO1-L mCherry (right).



**Figure S2.** Principal component analysis (PCA) applied to Raman spectra of *S. aureus* SH1000 vs. *S. aureus* SH1000 eGFP