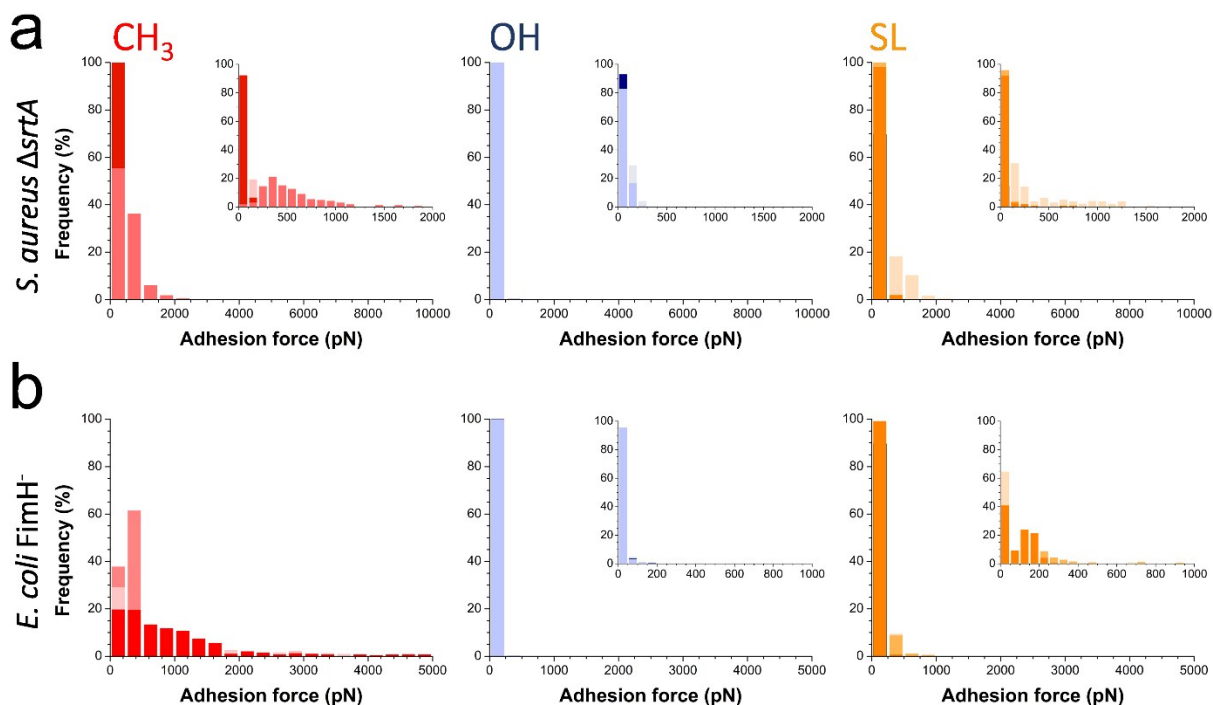


## Supplementary information



**Figure S1.** Nanoscale adhesion forces of mutant strains. (a, b) Adhesion force histograms recorded in buffer between hydrophobic methyl- (red), hydrophilic hydroxyl- (blue) and SL- (orange) terminated monolayers and (a) three *S. aureus* Newman  $\Delta srtA$  mutant cells or (b) three *E. coli* FimH<sup>-</sup> cells.