



Fig. S1. Blocking experiments demonstrate the specificity of the ClfB-Lor interaction, as measured by single-molecule force spectroscopy. (A) Adhesion force and rupture length histograms obtained by recording force curves in PBS across the surface of two AD08 cells using tips labelled with Lor. **(B)** Data obtained on the same cells 15 min after injection of free Lor at a final concentration of $10 \mu\text{g.mL}^{-1}$. All curves were obtained using a contact time of 100 ms, a maximum applied force of 250 pN, and approach and retraction speeds of $1,000 \text{ nm.s}^{-1}$. (th Lor and L2v).