

Supplementary Fig. S8. *in vivo* labeling of peptidoglycan in *S*. Typhi. (**a**) Wild-type *S*. Typhi was grown in LB broth to logarithmic growth phase (OD_{600} 0.3) and then supplemented with alkyne-D-alanine for 5 or 60 minutes. Bacteria were then fixed and subsequently treated with an azido-AF488 fluorophore (10 µM), which was then covalently linked by click chemistry to alkyne-D-alanine that had been incorporated into to the PG layer (scale bar: 5 µm). (**b**) Negative control for peptidoglycan staining. Wild-type *S*. Typhi was grown for 24 hs without addition of alkyne-D-alanine. Bacteria were then fixed and click-chemistry with azido-AF488 fluorophore (green) was performed. As bacterial counterstaining a rabbit antibody directed to *S*. Typhi LPS (red) was used (scale bar: 5 µm). These experiments were repeated at least three times.