



S4 Fig. Concentration-dependent effect of histidine on formazan formation by *E. coli* (Panel A) and *S. aureus* (Panel B). Histidine was added to mid-log cell suspensions ($OD_{600} = 0.5$) or to PBS + glucose (Inset. Note that the Y axis is expanded 100 fold) and the MTT test was performed. The MTT assay was performed and formazan crystals were dissolved in SDS-HCl. Experiment was repeated three times, each with three replicates. Mean \pm SD is presented.