



S2 Figure. Functional analysis of CheY-YFP and CheZ-CFP fusion proteins.

Functionality of the chemotaxis system was assessed using the swarming behavior of different *S. Typhimurium* strains on soft agar plates. (A) The swarm colony formation by *Salmonella* NCTC 12023 wild-type (WT) served as a positive control. Strain M913 ($\Delta fliGHI$) is a nonmotile control and strains MvP1212 ($\Delta cheY$) and WRG105 ($\Delta cheZ$) do not show chemotaxis. (B) Swarm colony formation by strain WRG106 $\Delta cheYZ$ [pWRG415] expressing CheY-YFP and CheZ-CFP upon addition of different concentrations of the inducer anhydrotetracycline (AHT). Percentages indicate the diameter of the swarm colony in % of the WT control.