

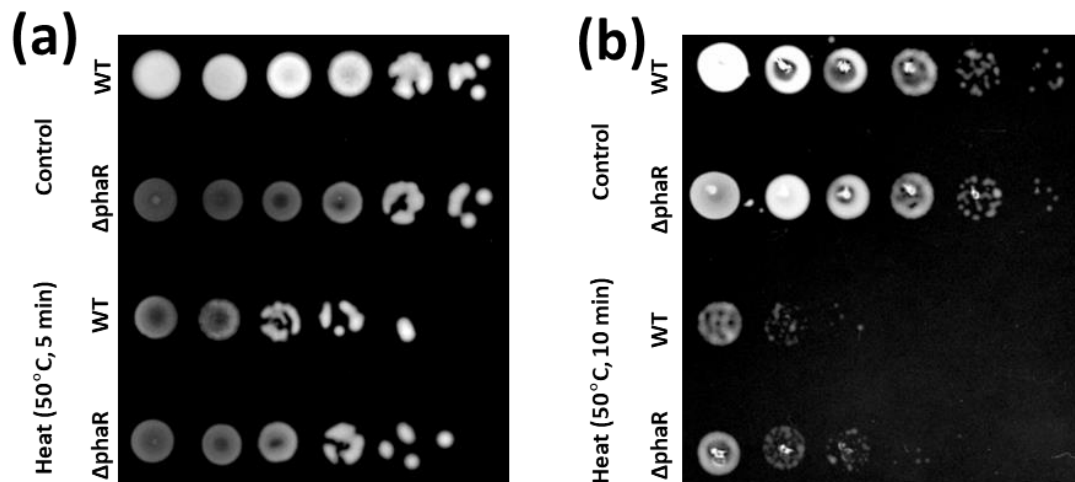


Fig. S1. Heat stress resistance of *B. diazoefficiens*. *B. diazoefficiens* strains USDA110 (WT) and Δ phaR were pre-cultured in TY (a) and in YEM (b) for 2 and 12 days, respectively, and then diluted to yield $OD_{600} = 0.1$ in respective fresh media. For the heat shock stress experiments, the diluted cultures were incubated with shaking at 160 rpm at 50 °C for 5 and 10 min, respectively. After incubation, the cultures were serially diluted 1:10 for 5 times. Each of the diluted aliquots (5 μ L) were spotted from left to right on to PSY plates and incubated at 28 °C for 1 week for colony formation.