



Figure S1. Of seven PhoP-regulated genes, only deletion of *mgrB* leads to increased reporter expression compared with Wild-type.

Each of seven PhoP-regulated genes were deleted individually in the *mgrB* transcriptional reporter strain TIM92 and examined for fold-change in YFP/CFP fluorescence relative to the wild-type strain TIM92 (WT). The *phoQ* deletion ($\Delta phoQ$) is shown for reference. Cultures were grown in minimal A medium with 100 μM MgSO_4 (A) or 10 mM MgSO_4 (B) and analyzed by fluorescence microscopy as described in Materials and Methods. Strains are, from left to right, TIM92, TIM99, AML6, AML8, AML10, AML12, AML14, AML16.