

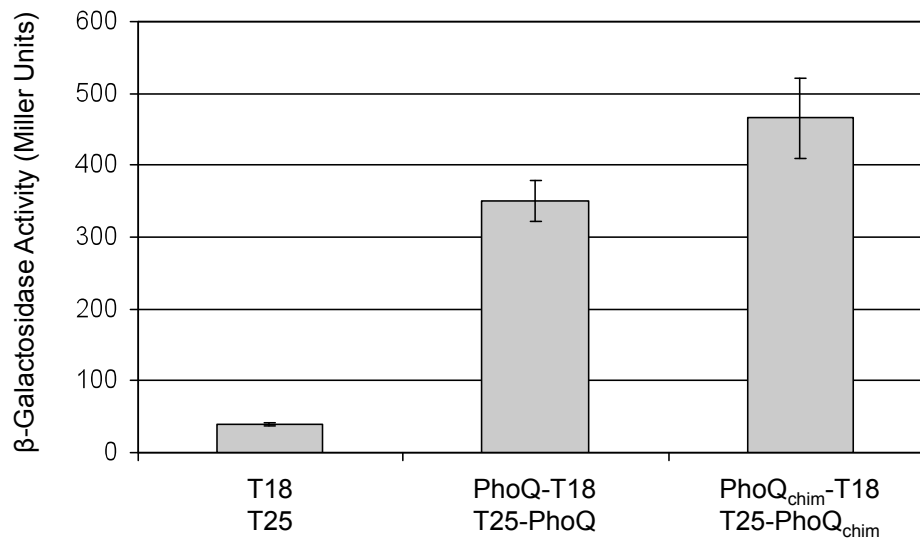


Figure S3. PhoQ-PhoQ and PhoQ_{chim}-PhoQ_{chim} interactions can be detected by a bacterial two-hybrid assay. The *cyaA*⁻ *phoQ*⁻ strain AML69 contained combinations of plasmids expressing adenylyl cyclase subunits T18 (pUT18) and T25 (pKT25), fusions of the T25 subunit to the N-terminus of PhoQ (pAL27) or PhoQ_{chim} (pAL36), and fusions of the T18 subunit to the C-terminus of PhoQ (pAL41) or PhoQ_{chim} (pAL46) as indicated. Cells were grown and beta-galactosidase assays were performed as described in Materials and Methods. For each strain, the means and standard deviations for three independent measurements are shown.