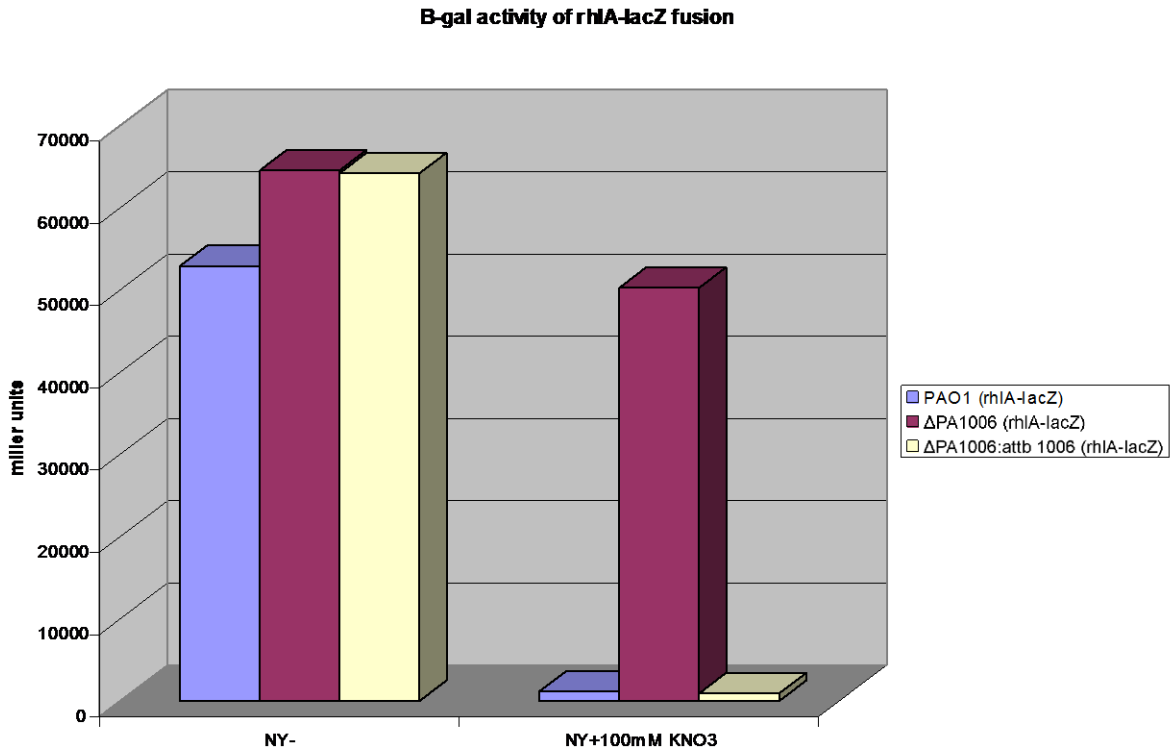
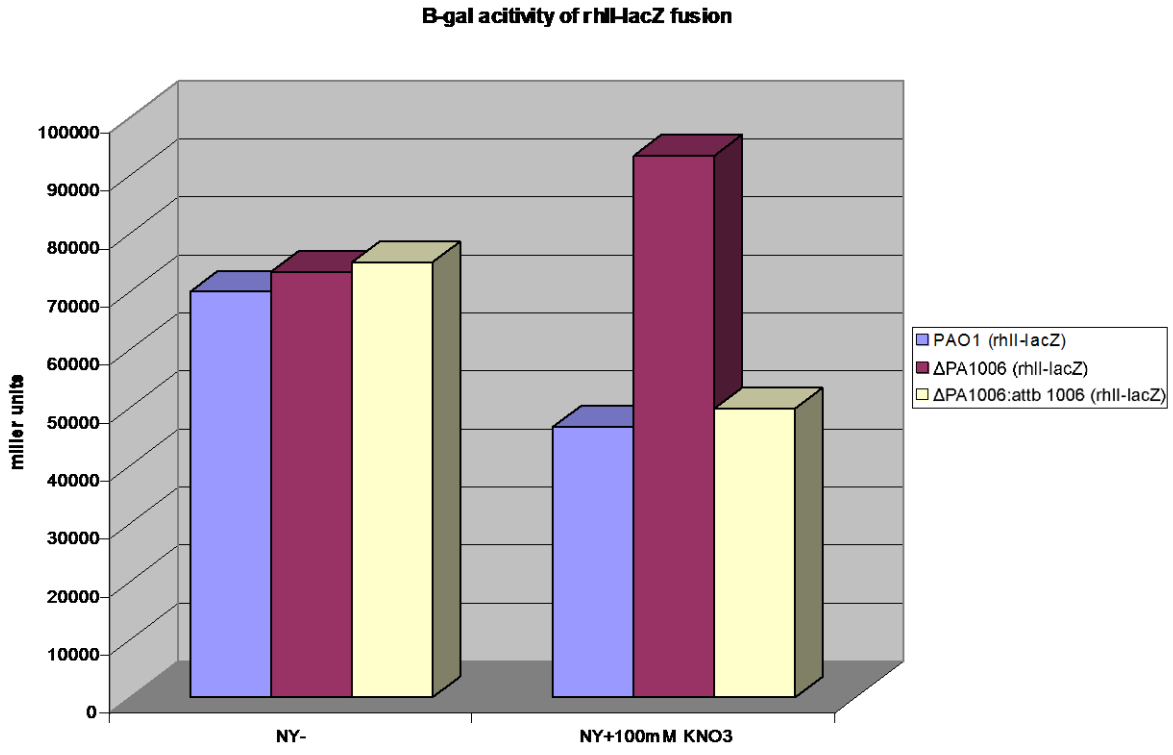
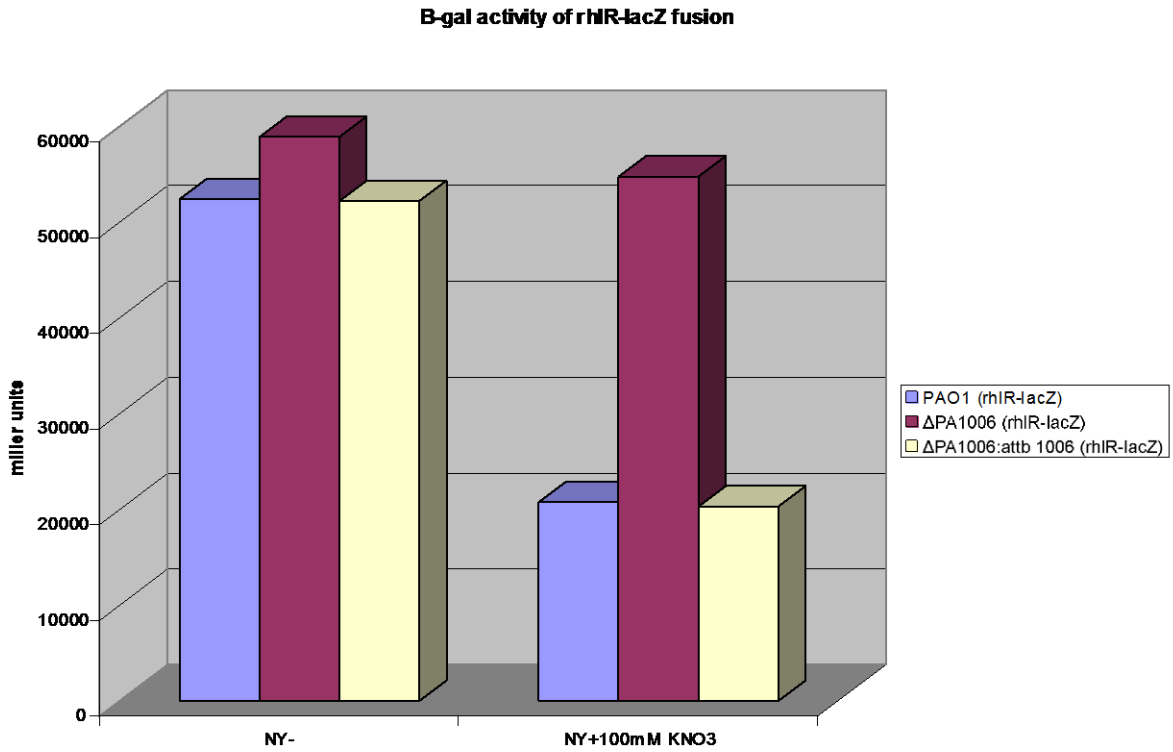
**Supplemental File 3: Confirmation of altered rhlA, rhlI, and rhlR gene expression in the Δ*PA1006* mutant to WT PAO1 when grown in the presence of nitrate. β-galactosidase rhl-promoter fusion reporter constructs were used to determine expression levels.**






**Supplemental method for transcriptional fusion assays.** β-galactosidase activity was determined at 30°C as described previously [90]. Plasmids containing the *rhlA'-lacZ* [48], *rhlI'-lacZ* (Van Delden C ), and *rhlR'-lacZ*, [48] were introduced into *Pae*WT strain, Δ*nbvF* mutant, and complemented Δ*nbvF* mutant by electroporation and transformants were selected by growth on PTSB with 200 μg/ml carbenicillin ($PTSB^{carb}$). Overnight cultures (16 h ) were grown in $PTSB^{carb}$ at 37°C and then diluted to $OD_{600}$ of 0.05 in $PTSB^{carb}$. Cells were collected at $OD_{660}$ ~1.2 and assayed β-galactosidase activity as described [90]. Data presented are representative of at least two independent experiments.