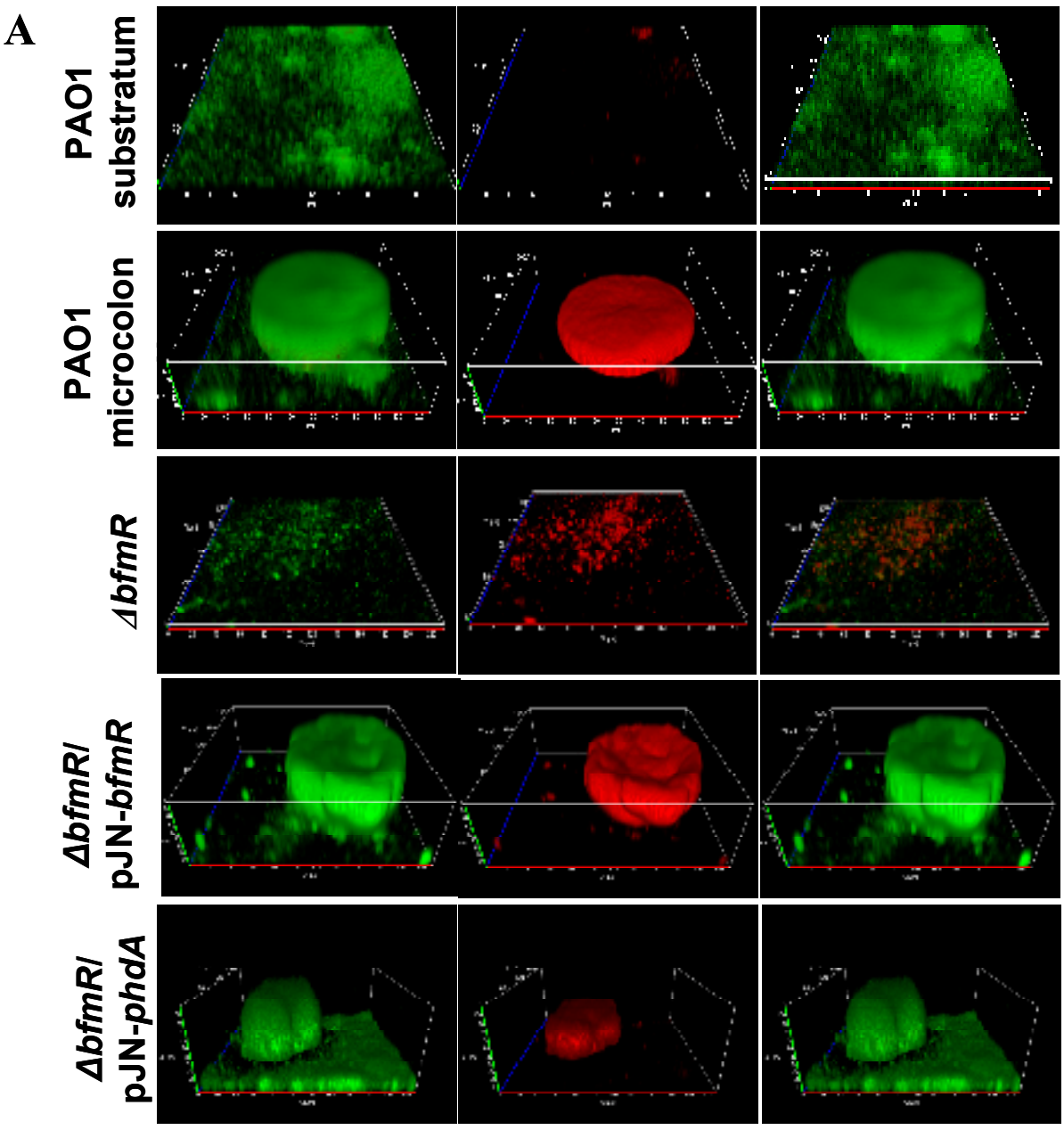
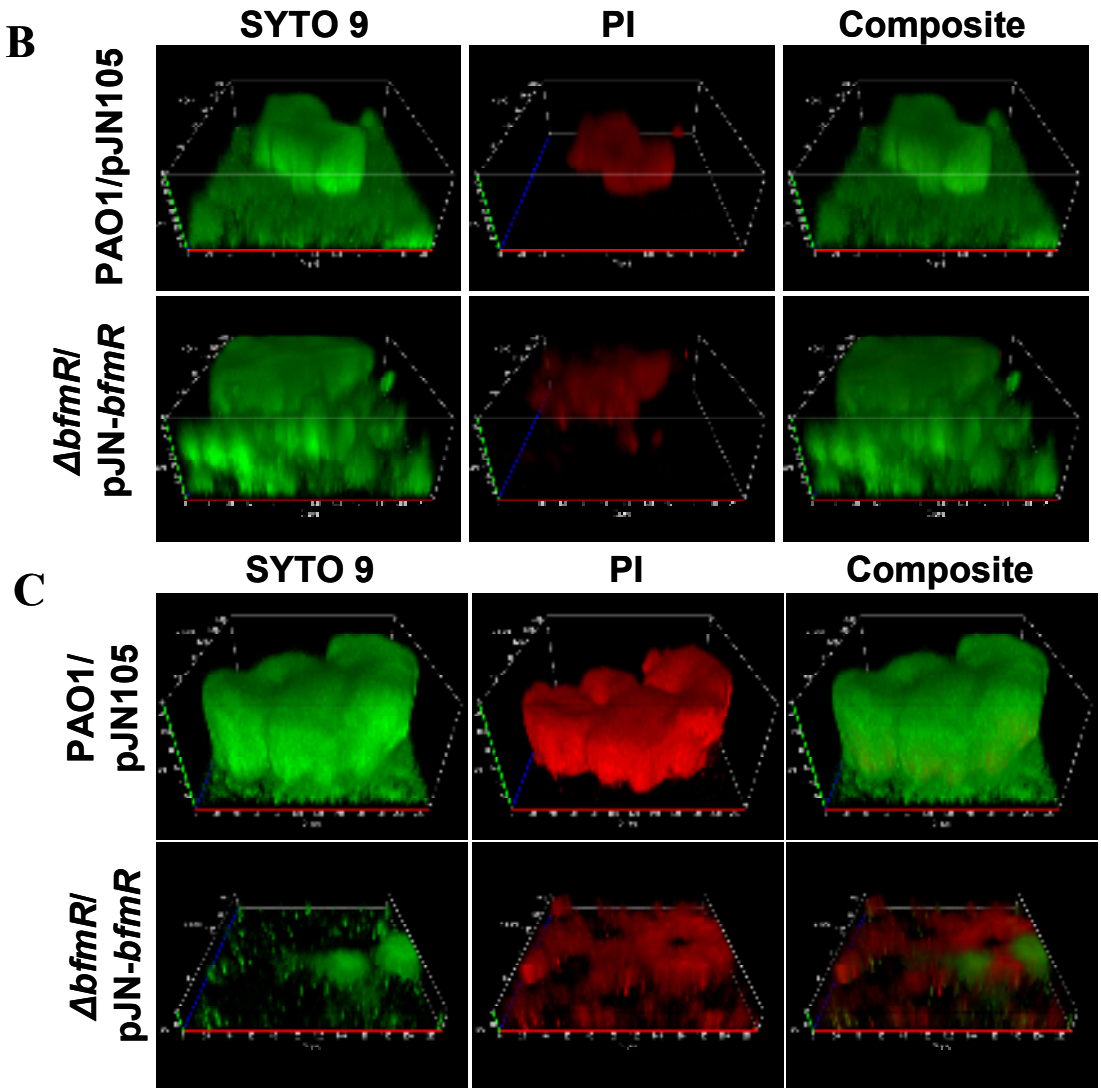

A
PAO1 substratum
PAO1 microcolon
ΔbfmR
ΔbfmR/ pJN-bfmR
ΔbfmR/ pJN-phdA


B
SYTO 9
PI
Composite
PAO1/pJN105
ΔbfmR/
pJN-bfmR
C
SYTO 9
PI
Composite
PAO1/
pJN105
ΔbfmR/
pJN-bfmR

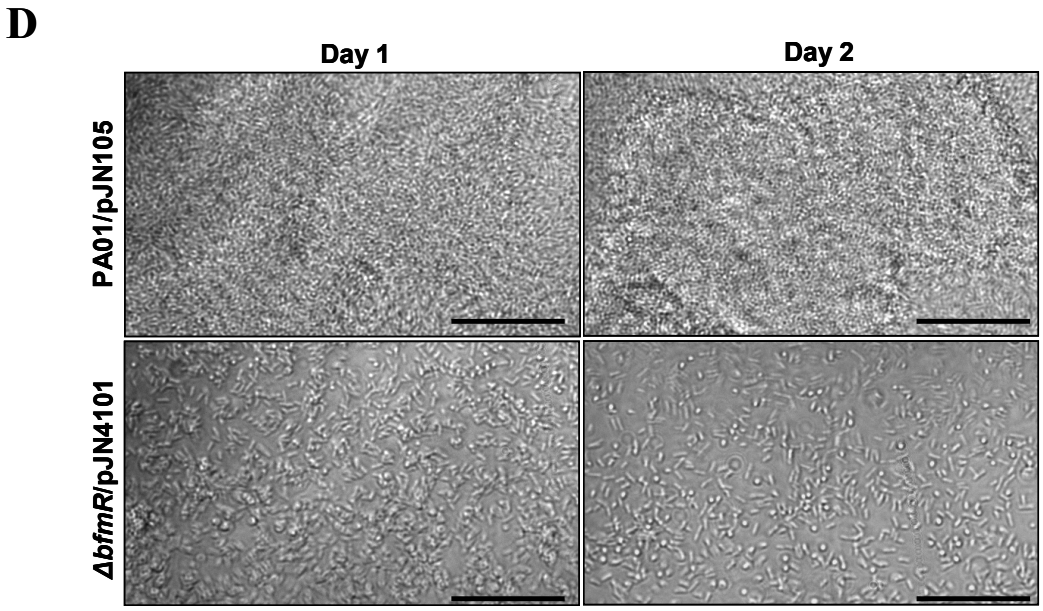


Figure S2. Detection of increased cell death as indicated by propidium iodide staining upon inactivation of *bfmR* in biofilms. (A) PAO1, *ΔbfmR*, and complemented *ΔbfmR* biofilms, grown under continuous flow conditions for 144 hr, were stained with SYTO 9 and propidium iodide (PI) using the LIVE/DEAD *Bac*Light viability kit. CSLM-acquired images were analyzed by splitting the green (SYTO 9) and red (PI) channels. (B) Confocal images of wild type PAO1 bearing the empty pJN105 vector and complemented *ΔbfmR* bearing pJN-*bfmR* were grown in the presence of arabinose for 144 hr. (C) Wild type PAO1 bearing the empty pJN105 vector and complemented *ΔbfmR* bearing pJN-*bfmR* were grown in the presence of arabinose for 144 hr, at which point, arabinose was removed in order to inactivate transcription from the pBAD promoter. Biofilms were allowed to grow for an additional 72 hrs before confocal images were acquired. (D) Brightfield images of *P. aeruginosa* PAO1/pJN105 and *ΔbfmR*/pJN-bfmR biofilms acquired 24 and 48 hrs post arabinose removal. Black bar = 25 μm.