Supplemental Information for "Mucins trigger dispersal of *Pseudomonas aeruginosa* biofilms"

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Supplemental Figures

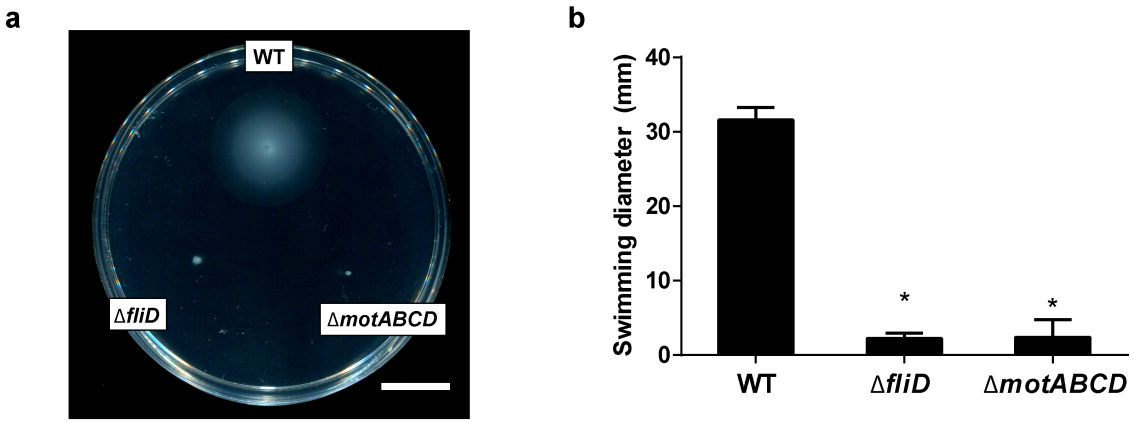

Figure S1. *P. aeruginosa* flagella-deficient mutants exhibit impaired swimming motility. (a) *P. aeruginosa* cells were inoculated onto a swim agar plate (M8 medium with 0.3% agar) and imaged after 24 h at room temperature. (b) Diameters of swim zones were measured for each strain. Error bars represent standard error ($n = 4$). *$P \leq 0.05$ versus WT, unpaired Student's *t* test.

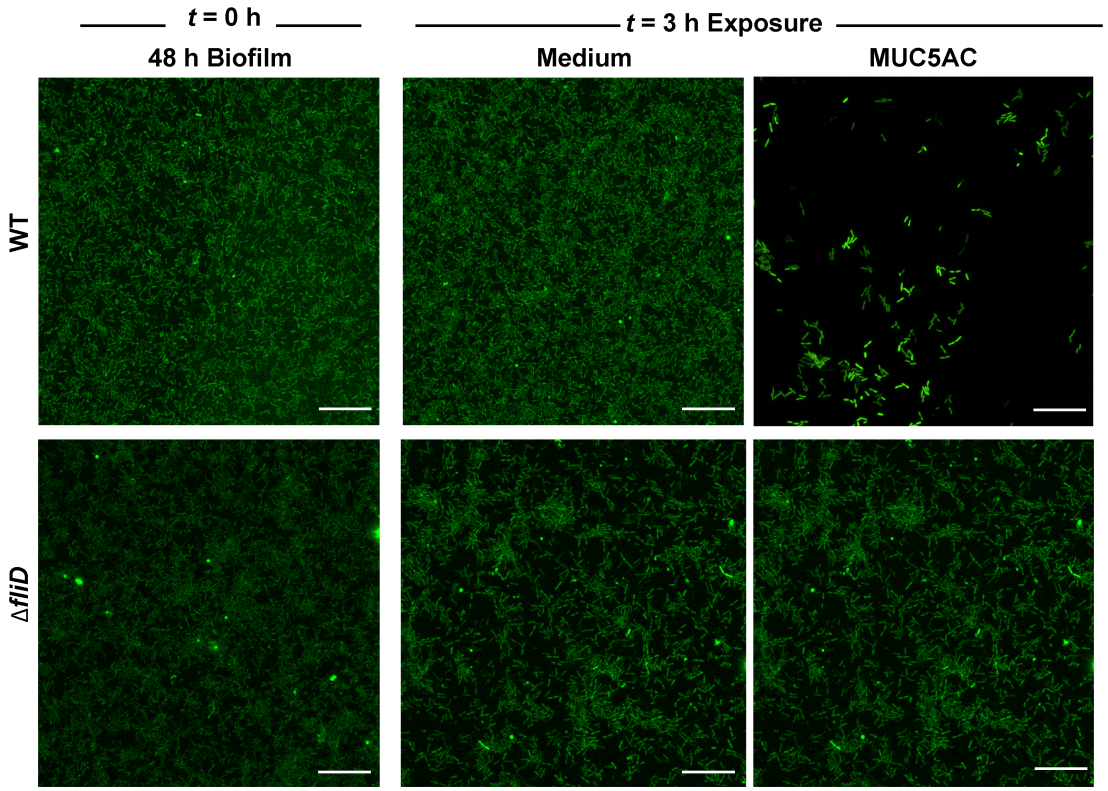

Figure S2. *P. aeruginosa* flagellar motility is required for mucin-induced biofilm dispersion. PAO1-GFP (WT) and PAO1Δ*fliD*-GFP biofilms (48 h) were exposed to ABTG medium with or without 0.5% mucins. Scale bars = 20 μm.

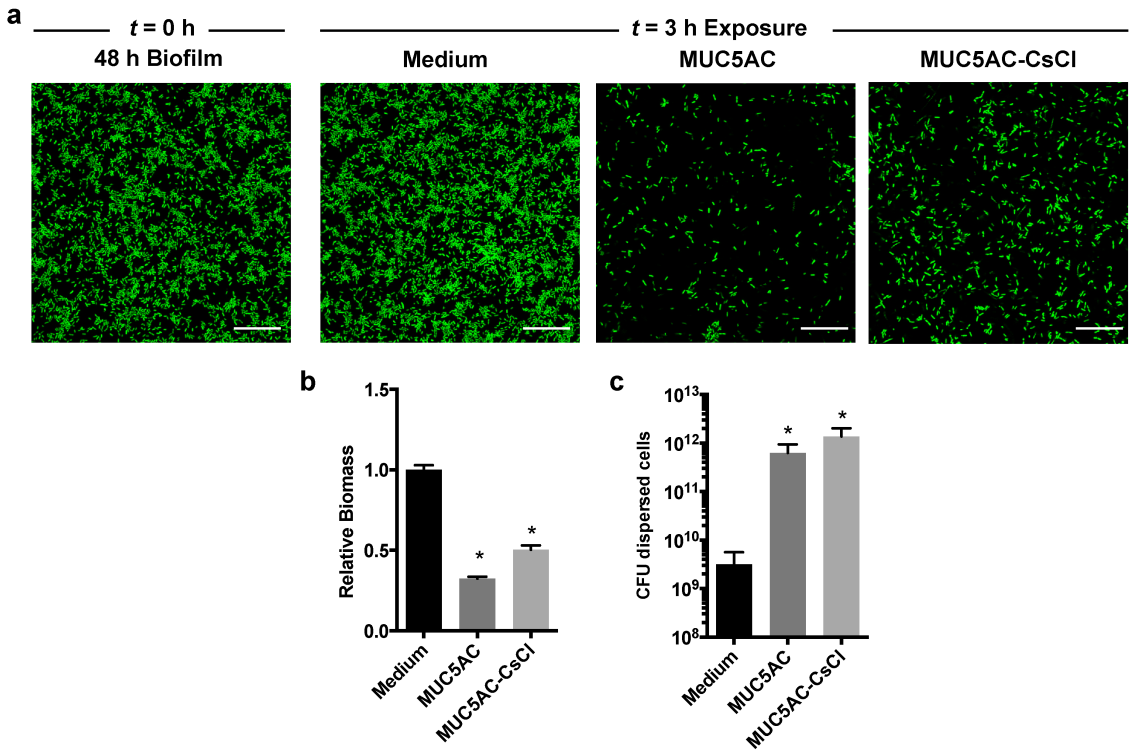

Figure S3. CsCl-purified mucin induces dispersal of *P. aeruginosa* biofilms under static growth conditions. (a) Live confocal imaging and (b) biofilm biomass quantification of 48 h PAO1-GFP biofilms before (t = 0 h) and after (t = 3 h) exposure to ABTG minimal medium, ABTG medium + 0.5% mucins, or ABTG medium + 0.5% CsCl-purified mucins. Scale bars = 20 μm. Values are normalized to biofilm biomass before exposure. Error bars represent standard error ($n \geq 3$). *$P \leq 0.05$, unpaired Student's t test. (c) Exposure to CsCl-purified mucin increases the number of dispersed cells from *P. aeruginosa* biofilms. Colony-forming units (CFUs) were counted to determine cell viability. Error bars represent standard error (n = 3).