## **Description of Additional Supplementary Files**

File Name: Supplementary Movie 1

Description: Aggregates formed by PAO1 are resistant to flow perturbations. A movie of PAO1 flow cell-grown biofilms (96 h in NB 1.4%) subjected to continuous flow during the

course of the movie (10 mL/min)

File Name: Supplementary Movie 2

Description: Underdeveloped aggregates formed by  $\Delta$ lecB partially are susceptible to flow perturbations. A movie of PAO1  $\Delta$ lecB flow cell-grown biofilms (96 h in NB 1.4%) subjected to continuous flow during the course of the movie (10 mL/min)

File Name: Supplementary Movie 3

Description: Aggregates formed by  $\Delta$ cdrA  $\Delta$ lecB are easily displaced by shear stress. Effect of flow (10 mL/min) on the structure of  $\Delta$ cdrA $\Delta$ lecB biofilms grown for 96h in NB 1.4%