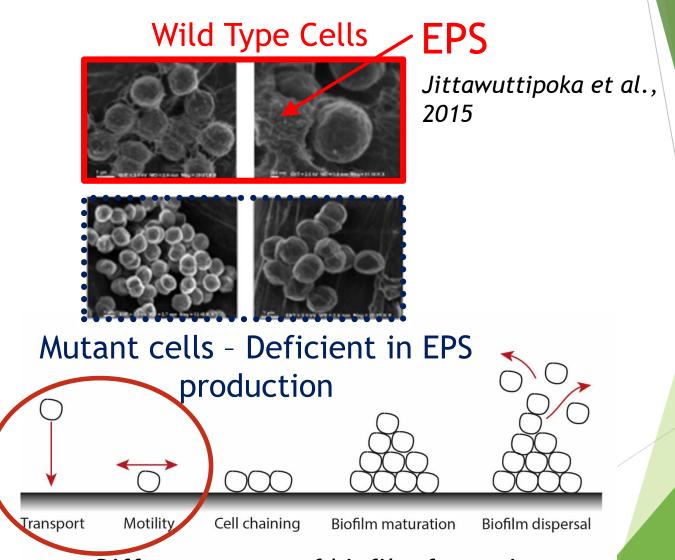
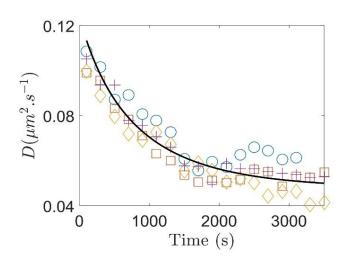
Slowdown of the surface diffusion during the early stages of bacterial colonization.

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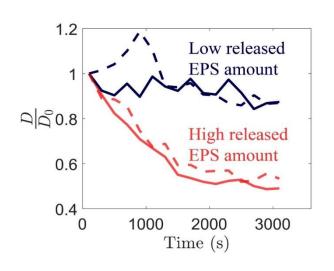


Different stages of biofilm formation

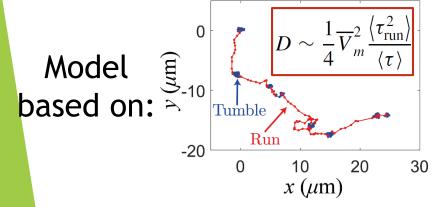
Main results of this work



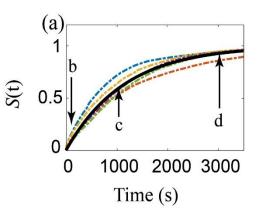
Slowdown of the diffusion coefficient: Experimental (symbols) and model (black line)

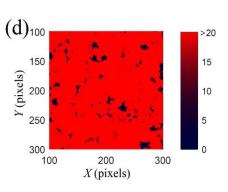


This slowdown is not observed for mutants deficient in EPS production



A typical trajectory displays intermittent motility





The surface can be progressively covered with the released EPSs