

Additional file 2: Table S1. Characterization of *lasR* mutants during the *in vitro* evolution of wild-type *P. aeruginosa* in 1.0 ml of M9-casein (0.5%) broth.

Variants	Cycle	Mutation ¹	Change ²	Protease ³	Adenosine ⁴
<i>lasR1</i>	5	A→T (+643)	Ile → Phe	–	–
<i>lasR2</i>	9	G→A (+541)	Glu → Lys	–	–
<i>ΔlasR</i>	N/A	Deletion	N/A	–	–
WT PAO1	N/A	None	N/A	++	++

N/A, not applicable.

¹Sites of nucleotide mutation relative to translational start site of the *P. aeruginosa* PAO1 *lasR* gene.

²Amino acid changes relative to the LasR protein sequence of *P. aeruginosa* PAO1.

³‘+’ indicates the presence and ‘–’ indicates the absence of a proteolysis halo on M9-casein plate.

⁴‘+’, positive growth (wild-type phenotype); ‘–’, negative growth (defined *lasR* mutant phenotype).