

Table S3. Strains, bacteriophages, plasmids used in this study

Bacterial strains	Details	Source or reference
<i>Pseudomonas aeruginosa</i>		
PAO1	wild type	lab collection
PAO1 NP	<i>pilA</i> mutant of PAO1, with Tn5-phoA insertion at base 163 in <i>pilA</i>	1
<i>Escherichia coli</i>		
SM10	<i>thi-1, thr, leu, tonA, lacy, supE, recA, RP4-2-Tcr::Mu, Kmr</i> ; mobilizes plasmids into <i>P. aeruginosa</i> via conjugation	2
DH5a	F- Φ 80lacZ Δ M15 Δ (lacZYA-argF) U169 <i>recA1 endA1 hsdR17</i> (<i>rK-</i> , <i>mK+</i>) <i>phoA supE44 λ-thi-1gyrA96 relA1</i>	Thermo-Fisher Scientific
Bacteriophages		
DMS3		3
JBD26		4
JBD26 chimera	JBD26 with <i>gp58-59-60</i> replaced by <i>gp48-49-50-51</i> from DMS3	this study
JBD68		4
JBD8		4
JBD23		4
JBD24		4
JBD35C		4
JBD69		4
MP22		5
MP29		6
JBD88a		4
JBD16c		4
JBD18		4
JBD25		4
JBD63b		4
JBD67b		Lab collection
D3112		7
JBD5		4
JBD10		4

JBD30		4
JBD93		4
M6		8
Plasmids		
pBADGr	arabinose inducible broad host range vector, <i>aacC1</i> marker	9
pEX18Gm	suicide vector, colE1 origin, <i>aacC1</i> marker	10
<i>pilA_I</i>	<i>pilA_I</i> from group I strain 1244 cloned into the MCS of pBADGr using EcoRI and HindIII	11
<i>pilA_I-tfpO</i>	<i>pilA_I</i> and <i>tfpO</i> from group I strain 1244 cloned into the MCS of pBADGr using EcoRI and HindIII	12
<i>pilA_I-S147A-tfpO</i>	<i>pilA_I</i> encoding a Ser147Ala mutation- <i>tfpO</i> from group I strain 1244 cloned into the MCS of pBADGr using EcoRI and HindIII	this study
<i>pilA_{II}</i>	<i>pilA_{II}</i> from group II strain PAO1 cloned into the MCS of pBADGr using EcoRI and HindIII	11
<i>pilA_{IV}</i>	<i>pilA_{IV}</i> from group IV strain Pa5196 cloned into the MCS of pBADGr using EcoRI and HindIII	13
<i>pilA_{IV}-WX</i>	<i>pilA_{IV}-tfpW-tfpX</i> from group I strain Pa5196 cloned into the MCS of pBADGr using EcoRI and HindIII	14
pUCP20-6245-51	Complementation construct carrying the Pa5196 orthologues of the PsPA7_6245-51 genes encoding synthesis of D-arabinofuranose polymers, lac promoter, TEM-1 marker	13
DMS3-JBD26swap	PCR product encompassing gp48-51 from DMS3 cloned into pEX18Gm using EcoRI and PstI	this study

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