

Supplementary materials

Table S1

Strain or plasmid	Description	Source
<i>P. aeruginosa</i> strains		
PAO1	Wild-type	(1)
PAO1/ <i>prpA</i> -FLAG	Wild type with pUCP18/ <i>prpA</i> _FLAG plasmid,	This study
PAO1/ <i>prpT</i> -HIS	Wild type with pJN105/ <i>prpT</i> _HIS plasmid, Gm ^r	This study
PAO1/ <i>prpT</i> -HIS/ <i>prpA</i> -FLAG	Wild type with pJN105/ <i>prpT</i> _HIS and <i>prpT</i> _HIS plasmids, Gm ^r , crb ^r	This study
39016	LMG 27,647 <i>P. aeruginosa</i> (Schoeter 1872) migula 1900 AL	BCCM- biological origin: keratitis patients
39016 Δ <i>prpA</i>	39016 with <i>ampR</i> marked deletion of <i>prpA</i> , crb ^r	This study
39016 Δ <i>prpT</i>	39016 with <i>ampR</i> marked deletion of <i>prpT</i> , crb ^r	This study
39016 Δ <i>prpTA</i>	39016 with <i>ampR</i> marked deletion of <i>prpT/prpA</i> , crb ^r	This study
39016 Δ <i>prpA/prpA</i>	39016 with <i>ampR</i> marked deletion of <i>prpA</i> , with <i>att-tn7</i> insertion of arabinose inducible <i>prpA</i> , Gm ^r crb ^r	This study
39016 Δ <i>prpA/prpT</i>	39016 Δ <i>prpA</i> , with <i>att-tn7</i> insertion of arabinose inducible <i>prpA</i> , Gm ^r crb ^r	This study
39016 Δ <i>prpT/prpT</i>	39016 Δ <i>prpT</i> , with <i>att-tn7</i> insertion of arabinose inducible <i>prpA</i> , Gm ^r crb ^r	This study
39016 Δ <i>prpTA/prpT</i>	39016 Δ <i>prpTA</i> , with <i>att-tn7</i> insertion of arabinose inducible <i>prpA</i> , Gm ^r crb ^r	This study
39016 /mCherry	39016 with <i>att-ctx</i> insertion of <i>prpT/A</i> promoter fused to mCherry	This study
39016 Δ <i>prpA</i> /mCherry	39016 Δ <i>prpA</i> with <i>att-ctx</i> insertion of <i>prpT/A</i> promoter fused to mCherry	This study
39016 Δ <i>prpT</i> /mCherry	39016 Δ <i>prpT</i> with <i>att-ctx</i> insertion of <i>prpT/A</i> promoter fused to mCherry	This study
39016 Δ <i>prpTA</i> /mCherry	39016 Δ <i>prpTA</i> with <i>att-ctx</i> insertion of <i>prpT/A</i> promoter fused to mCherry	This study
39016 Δ <i>prpTA/prpT</i> /mCherry	39016 Δ <i>prpTA/prpT</i> with <i>att-ctx</i> insertion of <i>prpT/A</i> promoter fused to mCherry	This study
39016 Δ <i>prpTA/prpA</i> /mCherry	39016 Δ <i>prpTA/prpA</i> with <i>att-ctx</i> insertion of <i>prpT/A</i> promoter fused to mCherry	This study
PA14	Wild-type	(2)
PA14/ <i>prpA</i>	PA14 with pUCP18/ <i>prpA</i> plasmid, crb ^r	This study
PA14/ VEC	PA14 with pUCP18 plasmid, crb ^r	This study
<i>E. coli</i> strains		
DH5 α	F ⁻ Φ 80lacZ Δ M15 Δ (lacZYA-argF) U169 recA1 endA1 hsdR17 (rK ⁻ , mK ⁺) phoA supE44 λ - thi-1 gyrA96 relA1.	Bio-Lab
S17	<i>E. coli</i> S17 thi, pro, hsdR, recA::RP4 -2-Tc::Mu aphA::Tn7, λ -pir, Smr, Tpr	(3)
BTH101	F ⁻ , cya-99, araD139, galE15, galK16, rpsL1 (Str ^r), hsdR2, mcrA1, mcrB1	(4)
BTH101 <i>prpA</i>	BTH101 with pUT18C/ <i>prpA</i> and an empty pKT25 plasmids, amp ^r , kan ^r , str ^r	This study

BTH101 <i>prpT</i>	BTH101 with pKT25/ <i>prpT</i> and an empty pUT18C plasmids, <i>amp^r</i> , <i>kan^r</i> , <i>str^r</i>	This study
BTH101 <i>prpA/prpT</i>	BTH101 with pKT25/ <i>prpT</i> and pUT18C/ <i>prpA</i> plasmids, <i>amp^r</i> , <i>kan^r</i> , <i>str^r</i>	This study
BTH101 vec	BTH101 with empty pUT18C and pKT25 plasmids, <i>amp^r</i> , <i>kan^r</i> , <i>str^r</i>	This study
Plasmids		
pUCP18-Ap	<i>Crb^r</i> (for <i>P. aeruginosa</i>), <i>Amp^r</i> (for <i>E. coli</i>), overexpression plasmid, <i>lacZ</i> promoter	(5)
pDONRPEX18Gm	<i>Gm^r</i> and <i>Cm^r</i> , pEX18Gm containing a <i>HindIII</i> flanked, <i>attP</i> cloning site from pDONR201	(6)
mini-CTX-LacZ	TetR, integration vector for single-copy, chromosomal <i>lacZ</i> fusions; Ω -FRT- <i>attP</i> -MCS, <i>ori</i> , <i>int</i> , and <i>oriT</i>	(7)
pUCP18T-miniTn7T-Gm	<i>Amp^r</i> and <i>Gm^r</i> ; <i>Gmr</i> on mini-Tn7T, mobilizable suicide plasmid	(8)
pJN105	Overexpression plasmid under <i>araC</i> promoter	(9)
pKT25	<i>Kan^r</i> pSU40 derivative plasmid, encodes for T25 fragments under <i>lac</i> promoter. For expression of chimeric protein fused to the C-terminal end of T18.	(4)
pUT18C	<i>Amp^r</i> pUC19 derivative plasmid, encodes for T18 fragments under <i>lac</i> promoter. For expression of chimeric protein fused to the C-terminal end of T18.	(4)

Table S2

Primer	Sequence
M13_F	CCCAGTCACGACGTTGTAAAACG
M13_R	AGCGGATAACAATTCACACAGG
AmpR_F	CGCGGAACCCCTATTGT
AmpR_R	TTACCAATGCTTAATCAGTGAGG
<i>prpA</i> _ko_upF_GWB1	GGGGACAAGTTTGTACAAAAAAGCAGGCTCAGGAATGAGGCTGCCTCGC
<i>prpA</i> _ampR_ko_upR	AACAAATAGGGTTCCGCGCATCAGTCCCTCCTCACG
<i>prpA</i> _ampR_ko_DownF	CCTCACTGATTAAGCATTGGTAAGGAAGCTCCGAACAAGTCAG
<i>prpA</i> _ko_DownR_GWB2	GGGGACCACTTTGTACAAGAAAGCTGGGTAGTCGGTGGGCGGACTCAA
<i>prpT</i> _ko_upF	ACATCAGAGATTTTGTAGACACGGGCCAGAGCGCAATGCAACCAGCATCC
<i>prpT</i> _ampR_ko_upR	TTAGAAAAATAACAAATAGGGTTCCGCGAAAATATAACCCCCAGGGAATATT
<i>prpT</i> _ampR_ko_DownF	ATAGGTGCCTCACTGATTAAGCATTGGTAAATGGTAAAGAAATTCTCCGACCT
<i>prpT</i> _ko_DownR	GCAAGCTTGTTAACGCTAGCATGGATCTCGTGACCAAGAACACCGTGCAA
<i>prpA</i> _F_pUCP18	ATCCAGAGCTCTAAGGAGGAATAACATTCGATGGTTAAGAAATTCTCCGAC
<i>prpA</i> _R_pUCP18	ATCCAAAGCTTTTAGGCGCCCGCTCTTC
<i>prpA</i> _R_FLAG_pUCP18	ATCCAAAGCTTTTACTTGTATCGTCATCCTTGTAGTCGGCGCTGCCTCTTCGAT

<i>prT_F_pJN105</i>	ATCCATCTAGACTTCTGAATAAGCTTCTGTGGCGTGGGATATCGAGT
<i>prT_R_pJN105</i>	ATCCAGAGCTCTTAACCATCGATCAGTCCCTC
<i>prT_R_HIS_pJN105</i>	ATCCAGAGCTCTTAGTGATGATGATGATGATGACCATCGATCAGTCCCTCC
<i>prA_F_miniTn7</i>	ATCCATCTAGATAAGGAGGAATAACATTTCGATGGTTAAGAAATTCTCCGAC
<i>prA_R_miniTn7</i>	ATCCAGAGCTCTTAGGCGCCCGCTCTTC
<i>araC_F</i>	GGGCCCCCAATTATGACAACCTTGACGGC
<i>prT/A_Prom_F_miniCtx</i>	TTACGCGAAATACGGGCAGACATGGCCTGCCCGTTATTAACCGATAACCGACGGAGGC
<i>prT/A_Prom_R_mCherry</i>	TCCTCTCGCCCTTGCTCACAAAATATAACCCCCAGGGAATAT
<i>mCherry_F_prT/A_prom</i>	TTCCCTGGGGTTATATTTTGTGAGCAAGGGCGAGGA
<i>mCherry_R_miniCtx</i>	TCATCCACCGGCGCGCTAATACGACTCACTATAGGGCGATACTGTACAGCTCGTCCATG
<i>Prom_biot_F</i>	5'BIOT/GACTGGGGCTGGATCGGA
<i>Prom_biot_R</i>	5'BIOT/AAAATATAACCCCCAGGGAATATT
<i>amrZ_F_qPCR</i>	CAAATTCGTCGTTTCGTCTGC
<i>amrZ_R_qPCR</i>	CACCGAGATTGTCTTCGAGC
<i>siaD_F_qPCR</i>	AAGAAGTCCACGTCGAGCA
<i>siaD_R_qPCR</i>	TGAAGGAAGCCTCGATCCG
<i>morA_F_qPCR</i>	GATCAGCCTGTTTCCGAGC
<i>morA_R_qPCR</i>	GAACTGGAAGGTATTGCCGC
<i>nbdA_F_qPCR</i>	TGCTGAAGATCGTCTCCGAA
<i>nbdA_R_qPCR</i>	ATCTTCTGCATCAGGCGTTG
<i>PA3540_F_qPCR</i>	TGTCGCGCTACTACATGCGTC
<i>PA3540_R_qPCR</i>	GTGTCGTGGCTGGTGATGAGA
<i>prA_F_pUT18C</i>	CCGATTGCGGCGGCCGTCGCTGGGCGCAGTGGAACGCCAGTTAAGAAATTCTCCGACCTTCG
<i>prA_R_pUT18C</i>	GAGCAGATTGTAAGTACTGAGAGTGCACCATATTACTTAGTTATGGCGCCCGCTCTTCGA
<i>prT_F_pKT25</i>	CCGATTACCTGGCGCGCACGCGCGGGCTGCAGGGTTCGACGCGTGGGATATCGAGTACAC
<i>prT_R_pKT25</i>	CACGACGTTGTAAAACGACGGCCGAATTCTTAGTTACTTAACCATCGATCAGTCCCTCCT

Table S3

Genome	<i>prA</i> loci	<i>prT</i> loci	<i>prA-prT</i> (bp) ^a
<i>Pseudomonas_aeruginosa</i> _12-4-4_59_3618	NA	NA	NA

Pseudomonas_aeruginosa _12939_6590	NA	NA	NA
Pseudomonas_aeruginosa _1334_14_10731	NA	NA	NA
Pseudomonas_aeruginosa _1811-13R031_12048	NZ_CP046061.1:chromosome:5382108-5382431	NZ_CP046061.1:chromosome:5382424-5382789	0
Pseudomonas_aeruginosa _1811-18R001_12049	NZ_CP046060.1:chromosome:5382312-5382635	NZ_CP046060.1:chromosome:5382628-5382993	0
Pseudomonas_aeruginosa _19BR_362	NZ_AFXJ01000001.1:chromosome:901583-901906	NZ_AFXJ01000001.1:chromosome:901225-901590	0
Pseudomonas_aeruginosa _213BR_361	NZ_AFXK01000001.1:chromosome:901762-902085	NZ_AFXK01000001.1:chromosome:901404-901769	0
Pseudomonas_aeruginosa _243931_11950	NZ_CP041772.1:chromosome:677501-677824	NZ_CP041772.1:chromosome:677817-678182	0
Pseudomonas_aeruginosa _24Pae112_9634	NZ_CP029605.1:chromosome:5140503-5140826	NZ_CP029605.1:chromosome:5140819-5141184	0
Pseudomonas_aeruginosa _268_9897	NZ_CP032761.1:chromosome:5325042-5325365	NZ_CP032761.1:chromosome:5325358-5325723	0
Pseudomonas_aeruginosa _519119_11949	NZ_CP041773.1:chromosome:713919-714242	NZ_CP041773.1:chromosome:714235-714600	0
Pseudomonas_aeruginosa _60503_11947	NZ_CP041774.1:chromosome:4980008-4980331	NZ_CP041774.1:chromosome:4980341-4980688	10
Pseudomonas_aeruginosa _8380_3922	NZ_AP014839.1:chromosome:4843947-4844270	NZ_AP014839.1:chromosome:4844263-4844628	0
Pseudomonas_aeruginosa _97_6674	NA	NA	NA
Pseudomonas_aeruginosa _97_9520	NA	NA	NA
Pseudomonas_aeruginosa _A681_11948	NA	NA	NA
Pseudomonas_aeruginosa _AES1M_10829	NZ_CP037925.1:chromosome:1357130-1357453	NZ_CP037925.1:chromosome:1356772-1357137	0
Pseudomonas_aeruginosa _AES1R_10830	NZ_CP037926.1:chromosome:4720087-4720410	NZ_CP037926.1:chromosome:4720403-4720768	0
Pseudomonas_aeruginosa _AG1_12046	NZ_CP045739.1:chromosome:5298704-5299027	NZ_CP045739.1:chromosome:5299020-5299367	0
Pseudomonas_aeruginosa _AR_0095_6299	NZ_CP027538.1:chromosome:4732527-4732850	NZ_CP027538.1:chromosome:4732169-4732534	0
Pseudomonas_aeruginosa _AR_0110_6371	NA	NA	NA
Pseudomonas_aeruginosa _AR_0111_9636	NA	NA	NA
Pseudomonas_aeruginosa _AR_0230_6281	NA	NA	NA

Pseudomonas_aeruginosa _AR_0353_6205	NZ_CP027172.1:chromosome:1917031-1917354	NZ_CP027172.1:chromosome:1916673-1917038	0
Pseudomonas_aeruginosa _AR_0354_6975	NZ_CP027171.1:chromosome:2827871-2828194	NZ_CP027171.1:chromosome:2828187-2828552	0
Pseudomonas_aeruginosa _AR_0356_7083	NA	NA	NA
Pseudomonas_aeruginosa _AR_0357_7058	NZ_CP027166.1:chromosome:3591865-3592188	NZ_CP027166.1:chromosome:3591507-3591872	0
Pseudomonas_aeruginosa _AR_0360_6841	NA	NA	NA
Pseudomonas_aeruginosa _AR_0446_6897	NA	NA	NA
Pseudomonas_aeruginosa _AR439_6890	NA	NA	NA
Pseudomonas_aeruginosa _AR441_6528	NA	NA	NA
Pseudomonas_aeruginosa _AR442_6465	NZ_CP029090.1:chromosome:4419525-4419848	NZ_CP029090.1:chromosome:4419841-4420206	0
Pseudomonas_aeruginosa _AR444_6466	NA	NA	NA
Pseudomonas_aeruginosa _AR445_6560	NZ_CP029088.1:chromosome:5234080-5234403	NZ_CP029088.1:chromosome:5234396-5234743	0
Pseudomonas_aeruginosa _AR_455_7148	NA	NA	NA
Pseudomonas_aeruginosa _AR_458_7202	NA	NA	NA
Pseudomonas_aeruginosa _AR_460_7261	NA	NA	NA
Pseudomonas_aeruginosa _ATCC_15692_4007	NA	NA	NA
Pseudomonas_aeruginosa _ATCC_27853_3989	NA	NA	NA
Pseudomonas_aeruginosa _ATCC_27853_9518	NA	NA	NA
Pseudomonas_aeruginosa _AZPAE15042_11928	NA	NA	NA
Pseudomonas_aeruginosa _B136-33_191	NC_020912.1:chromosome:4662648-4662971	NC_020912.1:chromosome:4662964-4663329	0
Pseudomonas_aeruginosa _B14130_10394	NA	NA	NA
Pseudomonas_aeruginosa _B17932_10395	NA	NA	NA
Pseudomonas_aeruginosa _B41226_10391	NA	NA	NA
Pseudomonas_aeruginosa _BA15561_9944	NA	NA	NA
Pseudomonas_aeruginosa _BA7823_9659	NA	NA	NA
Pseudomonas_aeruginosa _BAMC_07-48_3994	NZ_CP015377.1:chromosome:229714-230037	NZ_CP015377.1:chromosome:230030-230395	0
Pseudomonas_aeruginosa _C79_11954	NA	NA	NA

<i>Pseudomonas aeruginosa</i> _Carb01_63_2626	NZ_CP011317.1:chromosome:5425890-5426213	NZ_CP011317.1:chromosome:5426206-5426553	0
<i>Pseudomonas aeruginosa</i> _CCUG_51971_11974	NZ_CP043328.1:chromosome:5093302-5093625	NZ_CP043328.1:chromosome:5093618-5093983	0
<i>Pseudomonas aeruginosa</i> _CCUG_70744_6254	NZ_CP023255.1:chromosome:3020126-3020449	NZ_CP023255.1:chromosome:3020442-3020807	0
<i>Pseudomonas aeruginosa</i> _CFSAN084950_12043	NZ_CP045768.1:chromosome:3723230-3723553	NZ_CP045768.1:chromosome:3723546-3723911	0
<i>Pseudomonas aeruginosa</i> _CR1_6461	NA	NA	NA
<i>Pseudomonas aeruginosa</i> _CR1_7655	NA	NA	NA
<i>Pseudomonas aeruginosa</i> _DH01_3915	NZ_CP013993.1:chromosome:5265765-5266088	NZ_CP013993.1:chromosome:5266081-5266446	0
<i>Pseudomonas aeruginosa</i> _DK1_substr_NH57388A_6643	NA	NA	NA
<i>Pseudomonas aeruginosa</i> _DK2_174	NA	NA	NA
<i>Pseudomonas aeruginosa</i> _DN1_5583	NA	NA	NA
<i>Pseudomonas aeruginosa</i> _DN1_7646	NA	NA	NA
<i>Pseudomonas aeruginosa</i> _DSM_50071_2857	NZ_CP012001.1:chromosome:4623083-4623406	NZ_CP012001.1:chromosome:4623399-4623764	0
<i>Pseudomonas aeruginosa</i> _E6130952_7221	NZ_CP020603.1:chromosome:5201097-5201420	NZ_CP020603.1:chromosome:5201413-5201778	0
<i>Pseudomonas aeruginosa</i> _E80_10733	NZ_CP031677.1:chromosome:5090735-5091058	NZ_CP031677.1:chromosome:5091051-5091416	0
<i>Pseudomonas aeruginosa</i> _E90_12001	NZ_CP044006.1:chromosome:5078878-5079201	NZ_CP044006.1:chromosome:5079194-5079559	0
<i>Pseudomonas aeruginosa</i> _F22031_3096	NA	NA	NA
<i>Pseudomonas aeruginosa</i> _F23197_6110	NZ_CP008856.2:chromosome:4764867-4765190	NZ_CP008856.2:chromosome:4765183-4765548	0
<i>Pseudomonas aeruginosa</i> _F23197_7640	NZ_CP008856.1:chromosome:4605794-4606117	NZ_CP008856.1:chromosome:4605436-4605801	0
<i>Pseudomonas aeruginosa</i> _F5677_6730	NZ_CP026680.1:chromosome:4823788-4824111	NZ_CP026680.1:chromosome:4824104-4824451	0
<i>Pseudomonas aeruginosa</i> _F63912_7033	NZ_CP008858.2:chromosome:4857393-4857716	NZ_CP008858.2:chromosome:4857709-4858074	0
<i>Pseudomonas aeruginosa</i> _F63912_7645	NZ_CP008858.1:chromosome:471683-472006	NZ_CP008858.1:chromosome:471325-471690	0
<i>Pseudomonas aeruginosa</i> _F9676_2900	NZ_CP012066.1:chromosome:1235086-1235409	NZ_CP012066.1:chromosome:1234728-1235093	0

Pseudomonas_aeruginosa _FA-HZ1_4011	NZ_CP017353.1:chromosome:861431-861754	NZ_CP017353.1:chromosome:861747-862112	0
Pseudomonas_aeruginosa _FDAARGOS_501_9954	NZ_CP033843.1:chromosome:743127-743450	NZ_CP033843.1:chromosome:743443-743808	0
Pseudomonas_aeruginosa _FDAARGOS_505_9955	NA	NA	NA
Pseudomonas_aeruginosa _FDAARGOS_532_9952	NA	NA	NA
Pseudomonas_aeruginosa _FDAARGOS_570_9956	NZ_CP033835.1:chromosome:1982020-1982343	NZ_CP033835.1:chromosome:1981662-1982027	0
Pseudomonas_aeruginosa _FDAARGOS_571_9953	NZ_CP033833.1:chromosome:1390474-1390797	NZ_CP033833.1:chromosome:1390790-1391155	0
Pseudomonas_aeruginosa _FDAARGOS_610_11151	NZ_CP041013.1:chromosome:1832789-1833112	NZ_CP041013.1:chromosome:1832431-1832796	0
Pseudomonas_aeruginosa _FDAARGOS_767_11150	NA	NA	NA
Pseudomonas_aeruginosa _FRD1_2621	NZ_CP010555.1:chromosome:6028298-6028621	NZ_CP010555.1:chromosome:6027958-6028305	0
Pseudomonas_aeruginosa _GIMC5015:PAKB6_10430	NA	NA	NA
Pseudomonas_aeruginosa _H25883_9950	NA	NA	NA
Pseudomonas_aeruginosa _H26023_9951	NA	NA	NA
Pseudomonas_aeruginosa _H26027_9949	NA	NA	NA
Pseudomonas_aeruginosa _H27930_5910	NA	NA	NA
Pseudomonas_aeruginosa _H27930_7642	NA	NA	NA
Pseudomonas_aeruginosa _H5708_6745	NZ_CP008859.2:chromosome:4674110-4674433	NZ_CP008859.2:chromosome:4674426-4674791	0
Pseudomonas_aeruginosa _H5708_7641	NZ_CP008859.1:chromosome:2428869-2429192	NZ_CP008859.1:chromosome:2428511-2428876	0
Pseudomonas_aeruginosa _HOU1_11979	NZ_CP042269.1:chromosome:4486040-4486363	NZ_CP042269.1:chromosome:4486356-4486721	0
Pseudomonas_aeruginosa _HS9_6770	NZ_CP030861.1:chromosome:4373149-4373472	NZ_CP030861.1:chromosome:4372791-4373156	0
Pseudomonas_aeruginosa _IMP-13_10390	NA	NA	NA
Pseudomonas_aeruginosa _IMP66_11969	NZ_CP028959.1:chromosome:4684351-4684674	NZ_CP028959.1:chromosome:4684667-4685032	0
Pseudomonas_aeruginosa _IMP67_11967	NZ_CP028848.1:chromosome:4671378-4671701	NZ_CP028848.1:chromosome:4671694-4672059	0
Pseudomonas_aeruginosa _IMP68_11968	NZ_CP028849.1:chromosome:4669435-4669758	NZ_CP028849.1:chromosome:4669751-4670116	0

Pseudomonas_aeruginosa _INP-43_12123	NA	NA	NA
Pseudomonas_aeruginosa _IOMTU_133_3923	NZ_AP017302.1:chromosome:5084451-5084774	NZ_AP017302.1:chromosome:5084767-5085132	0
Pseudomonas_aeruginosa _isolate_1_11152	NZ_LS998783.1:gnlDSMZPA5486Chr:5268691-5269014	NZ_LS998783.1:gnlDSMZPA5486Chr:5269007-5269354	0
Pseudomonas_aeruginosa _isolate_B10W_5627	NZ_CP017969.1:chromosome:4803304-4803627	NZ_CP017969.1:chromosome:4803620-4803985	0
Pseudomonas_aeruginosa _isolate_early_isolate_NN2_clone_C_6774	NA	NA	NA
Pseudomonas_aeruginosa _isolate_F30658_3634	NZ_CP008857.1:chromosome:2598431-2598754	NZ_CP008857.1:chromosome:2598747-2599094	0
Pseudomonas_aeruginosa _isolate_F9670_3848	NA	NA	NA
Pseudomonas_aeruginosa _isolate_H47921_3637	NA	NA	NA
Pseudomonas_aeruginosa _isolate_M37351_3639	NA	NA	NA
Pseudomonas_aeruginosa _isolate_PA14Or_reads_4013	NA	NA	NA
Pseudomonas_aeruginosa _isolate_paerg000_11157	NZ_LR130528.1:paerg000-contig000:2179667-2179990	NZ_LR130528.1:paerg000-contig000:2179309-2179674	0
Pseudomonas_aeruginosa _isolate_paerg002_11158	NZ_LR130527.1:paerg002-contig000:1276671-1276994	NZ_LR130527.1:paerg002-contig000:1276987-1277352	0
Pseudomonas_aeruginosa _isolate_paerg003_11160	NZ_LR130530.1:paerg003-contig000:4595901-4596224	NZ_LR130530.1:paerg003-contig000:4596217-4596582	0
Pseudomonas_aeruginosa _isolate_paerg004_11159	NZ_LR130531.1:paerg004-contig000:1913627-1913950	NZ_LR130531.1:paerg004-contig000:1913943-1914308	0
Pseudomonas_aeruginosa _isolate_paerg005_11161	NA	NA	NA
Pseudomonas_aeruginosa _isolate_paerg009_11162	NA	NA	NA
Pseudomonas_aeruginosa _isolate_paerg010_11163	NZ_LR130536.1:paerg010-contig000:4595890-4596213	NZ_LR130536.1:paerg010-contig000:4596206-4596571	0
Pseudomonas_aeruginosa _isolate_paerg011_11164	NZ_LR130535.1:paerg011-contig000:4596034-4596357	NZ_LR130535.1:paerg011-contig000:4596350-4596715	0
Pseudomonas_aeruginosa _isolate_paerg012_11165	NZ_LR130537.1:paerg012-contig000:4595911-4596234	NZ_LR130537.1:paerg012-contig000:4596227-4596592	0

Pseudomonas_aeruginosa_isolate_PcylI-10_5293	NZ_LT673656.1:chromosome:4613920-4614243	NZ_LT673656.1:chromosome:4614236-4614601	0
Pseudomonas_aeruginosa_isolate_RW109_6944	NZ_LT969520.1:chromosome:5105589-5105912	NZ_LT969520.1:chromosome:5105905-5106252	0
Pseudomonas_aeruginosa_isolate_T52373_3627	NZ_CP008867.1:chromosome:826684-827007	NZ_CP008867.1:chromosome:827000-827365	0
Pseudomonas_aeruginosa_isolate_T63266_3628	NZ_CP008868.1:chromosome:28734-29057	NZ_CP008868.1:chromosome:29050-29415	0
Pseudomonas_aeruginosa_JB2_7002	NA	NA	NA
Pseudomonas_aeruginosa_K34-7_7082	NA	NA	NA
Pseudomonas_aeruginosa_KRP1_12050	NZ_CP046069.1:chromosome:4767417-4767740	NZ_CP046069.1:chromosome:4767733-4768098	0
Pseudomonas_aeruginosa_L10_6318	NA	NA	NA
Pseudomonas_aeruginosa_LES431_489	NC_023066.1:chromosome:4918112-4918435	NC_023066.1:chromosome:4918428-4918793	0
Pseudomonas_aeruginosa_LESB58_125	NC_011770:chromosome:4970871-4971194	NC_011770:chromosome:4971187-4971552	0
Pseudomonas_aeruginosa_LW_10696	NZ_CP022478.1:chromosome:3792962-3793285	NZ_CP022478.1:chromosome:3793278-3793643	0
Pseudomonas_aeruginosa_M1608_7239	NA	NA	NA
Pseudomonas_aeruginosa_M1608_7643	NA	NA	NA
Pseudomonas_aeruginosa_M18_172	NC_017548.1:chromosome:4658643-4658966	NC_017548.1:chromosome:4658959-4659324	0
Pseudomonas_aeruginosa_MRSN12280_6456	NZ_CP028162.1:chromosome:5195357-5195680	NZ_CP028162.1:chromosome:5195673-5196038	0
Pseudomonas_aeruginosa_MTB-1_210	NC_023019.1:chromosome:4727093-4727416	NC_023019.1:chromosome:4727426-4727773	10
Pseudomonas_aeruginosa_N15-01092_9635	NZ_CP012901.1:chromosome:1762355-1762678	NZ_CP012901.1:chromosome:1762015-1762362	0
Pseudomonas_aeruginosa_N17-1_3988	NZ_CP014948.1:chromosome:4732454-4732777	NZ_CP014948.1:chromosome:4732770-4733135	0
Pseudomonas_aeruginosa_NCGM1900_2620	NZ_AP014622.1:chromosome:2005967-2006290	NZ_AP014622.1:chromosome:2006283-2006648	0
Pseudomonas_aeruginosa_NCGM1984_2619	NZ_AP014646.1:chromosome:5023534-5023857	NZ_AP014646.1:chromosome:5023850-5024215	0
Pseudomonas_aeruginosa_NCGM257_3921	NA	NA	NA
Pseudomonas_aeruginosa_NCGM2S1_173	NC_017549.1:chromosome:1696665-1696988	NC_017549.1:chromosome:1696307-1696672	0

Pseudomonas_aeruginosa _NCTC10728_11169	NZ_LR134342.1:ERS11789 33SCcontig000001:1320368 -1320691	NZ_LR134342.1:ERS1 178933SCcontig00000 1:1320684-1321049	0
Pseudomonas_aeruginosa _NCTC11445_11166	NZ_LR134308.1:ERS10438 09SCcontig000001:503114- 503437	NZ_LR134308.1:ERS1 043809SCcontig00000 1:502756-503121	0
Pseudomonas_aeruginosa _NCTC12903_11167	NA	NA	NA
Pseudomonas_aeruginosa _NCTC13359_11326	NZ_LR590473.1:ERS66635 1SCcontig000001:5395570- 5395893	NZ_LR590473.1:ERS6 66351SCcontig000001 :5395886-5396251	0
Pseudomonas_aeruginosa _NCTC13618_11327	NZ_LR590474.1:ERS66635 3SCcontig000001:4951694- 4952017	NZ_LR590474.1:ERS6 66353SCcontig000001 :4952010-4952375	0
Pseudomonas_aeruginosa _NCTC13620_12150	NA	NA	NA
Pseudomonas_aeruginosa _NCTC13715_11168	NZ_LR134330.1:ERS11107 14SCcontig000001:47137- 47460	NZ_LR134330.1:ERS1 110714SCcontig00000 1:47470-47817	10
Pseudomonas_aeruginosa _NHmuc_5737	NA	NA	NA
Pseudomonas_aeruginosa _Ocean-1155_5897	NA	NA	NA
Pseudomonas_aeruginosa _Ocean-1175_6075	NA	NA	NA
Pseudomonas_aeruginosa _PA1088_5724	NZ_CP015001.1:chromoso me:4914519-4914842	NZ_CP015001.1:chro mosome:4914835- 4915200	0
Pseudomonas_aeruginosa _PA11803_5097	NZ_CP015003.1:chromoso me:5211016-5211339	NZ_CP015003.1:chro mosome:5211332- 5211697	0
Pseudomonas_aeruginosa _Pa1207_5865	NA	NA	NA
Pseudomonas_aeruginosa _PA121617_3995	NA	NA	NA
Pseudomonas_aeruginosa _Pa1242_6732	NZ_CP022002.1:chromoso me:2318071-2318394	NZ_CP022002.1:chro mosome:2317713- 2318078	0
Pseudomonas_aeruginosa _Pa124_6251	NA	NA	NA
Pseudomonas_aeruginosa _Pa127_6938	NA	NA	NA
Pseudomonas_aeruginosa _PA1_497	NC_022808.2:chromosome: 4842694-4843017	NC_022808.2:chromo some:4843010- 4843375	0
Pseudomonas_aeruginosa _PA_150577_6347	NZ_CP017306.1:chromoso me:4666303-4666626	NZ_CP017306.1:chro mosome:4666619- 4666984	0
Pseudomonas_aeruginosa _PA_154197_5532	NA	NA	NA
Pseudomonas_aeruginosa _PA1_7599	NC_022808.1:chromosome: 4799984-4800307	NC_022808.1:chromo some:4799626- 4799991	0
Pseudomonas_aeruginosa _PA1R_496	NC_022806.1:chromosome: 4799984-4800307	NC_022806.1:chromo some:4799626- 4799991	0
Pseudomonas_aeruginosa _PA1RG_3201	NZ_CP012679.1:chromoso me:4842695-4843018	NZ_CP012679.1:chro mosome:4843011- 4843376	0

Pseudomonas_aeruginosa_PA298_11122	NZ_CP040127.1:chromosome:4782878-4783201	NZ_CP040127.1:chromosome:4783194-4783559	0
Pseudomonas_aeruginosa_PA34_9522	NA	NA	NA
Pseudomonas_aeruginosa_Pa58_6334	NZ_CP021775.1:chromosome:5432926-5433249	NZ_CP021775.1:chromosome:5433242-5433607	0
Pseudomonas_aeruginosa_PA59_12042	NZ_CP024630.1:chromosome:4974533-4974856	NZ_CP024630.1:chromosome:4974849-4975214	0
Pseudomonas_aeruginosa_PA7_119	NA	NA	NA
Pseudomonas_aeruginosa_PA7790_5368	NZ_CP014999.1:strain:5034891-5035214	NZ_CP014999.1:strain:5035207-5035572	0
Pseudomonas_aeruginosa_PA8281_5357	NZ_CP015002.1:chromosome:5012556-5012879	NZ_CP015002.1:chromosome:5012872-5013237	0
Pseudomonas_aeruginosa_PA83_6078	NA	NA	NA
Pseudomonas_aeruginosa_Pa84_6035	NZ_CP021999.1:chromosome:4826774-4827097	NZ_CP021999.1:chromosome:4827090-4827455	0
Pseudomonas_aeruginosa_PABL012_9632	NZ_CP031659.1:chromosome:4804875-4805198	NZ_CP031659.1:chromosome:4805191-4805556	0
Pseudomonas_aeruginosa_PABL017_9633	NZ_CP031660.1:chromosome:4769939-4770262	NZ_CP031660.1:chromosome:4770255-4770620	0
Pseudomonas_aeruginosa_PABL048_9601	NA	NA	NA
Pseudomonas_aeruginosa_PACS2_84	NA	NA	NA
Pseudomonas_aeruginosa_PA_D1_3998	NZ_CP012585.1:chromosome:4923959-4924282	NZ_CP012585.1:chromosome:4924275-4924640	0
Pseudomonas_aeruginosa_PA_D16_4001	NZ_CP012581.1:chromosome:4962111-4962434	NZ_CP012581.1:chromosome:4962427-4962792	0
Pseudomonas_aeruginosa_PA_D21_4006	NZ_CP012582.1:chromosome:4919245-4919568	NZ_CP012582.1:chromosome:4919561-4919926	0
Pseudomonas_aeruginosa_PA_D22_4002	NZ_CP012583.1:chromosome:4962117-4962440	NZ_CP012583.1:chromosome:4962433-4962798	0
Pseudomonas_aeruginosa_PA_D2_3999	NZ_CP012578.1:chromosome:4923132-4923455	NZ_CP012578.1:chromosome:4923448-4923813	0
Pseudomonas_aeruginosa_PA_D25_4003	NZ_CP012584.1:chromosome:4963342-4963665	NZ_CP012584.1:chromosome:4963658-4964023	0
Pseudomonas_aeruginosa_PA_D5_4005	NZ_CP012579.1:chromosome:4962128-4962451	NZ_CP012579.1:chromosome:4962444-4962809	0
Pseudomonas_aeruginosa_PA_D9_4000	NZ_CP012580.1:chromosome:4925613-4925936	NZ_CP012580.1:chromosome:4925929-4926294	0
Pseudomonas_aeruginosa_PAER4_119_5012	NZ_CP013113.1:chromosome:4820370-4820693	NZ_CP013113.1:chromosome:4820686-4821051	0

Pseudomonas_aeruginosa_PAK_12154	NA	NA	NA
Pseudomonas_aeruginosa_PAK_6441	NA	NA	NA
Pseudomonas_aeruginosa_PAO1_107	NA	NA	NA
Pseudomonas_aeruginosa_PAO1161_10710	NA	NA	NA
Pseudomonas_aeruginosa_PAO1_Orsay_5354	NA	NA	NA
Pseudomonas_aeruginosa_PASGNDM345_6255	NZ_CP020703.1:chromosome:5178938-5179261	NZ_CP020703.1:chromosome:5179254-5179619	0
Pseudomonas_aeruginosa_PASGNDM699_7104	NZ_CP020704.1:chromosome:5270875-5271198	NZ_CP020704.1:chromosome:5271191-5271556	0
Pseudomonas_aeruginosa_PB350_6610	NZ_CP025055.1:chromosome:5004750-5005073	NZ_CP025055.1:chromosome:5005066-5005431	0
Pseudomonas_aeruginosa_PB353_6129	NA	NA	NA
Pseudomonas_aeruginosa_PB354_7065	NA	NA	NA
Pseudomonas_aeruginosa_PB367_7067	NZ_CP025056.1:chromosome:5004786-5005109	NZ_CP025056.1:chromosome:5005102-5005467	0
Pseudomonas_aeruginosa_PB368_7201	NZ_CP025050.1:chromosome:4271095-4271418	NZ_CP025050.1:chromosome:4271411-4271776	0
Pseudomonas_aeruginosa_PB369_7191	NZ_CP025049.1:chromosome:4238367-4238690	NZ_CP025049.1:chromosome:4238683-4239048	0
Pseudomonas_aeruginosa_PPF-1_6589	NA	NA	NA
Pseudomonas_aeruginosa_RD1-3_12124	NZ_CP047697.1:chromosome:2150573-2150896	NZ_CP047697.1:chromosome:2150215-2150580	0
Pseudomonas_aeruginosa_RIVM-EMC2982_6088	NZ_CP016955.1:chromosome:1999795-2000118	NZ_CP016955.1:chromosome:2000111-2000458	0
Pseudomonas_aeruginosa_RP73_192	NC_021577.1:chromosome:862284-862607	NC_021577.1:chromosome:861926-862291	0
Pseudomonas_aeruginosa_S86968_6031	NA	NA	NA
Pseudomonas_aeruginosa_S86968_7634	NA	NA	NA
Pseudomonas_aeruginosa_SCV20265_215	NA	NA	NA
Pseudomonas_aeruginosa_SCVFeb_5350	NA	NA	NA
Pseudomonas_aeruginosa_SCVJan_5538	NA	NA	NA
Pseudomonas_aeruginosa_SP2230_10393	NA	NA	NA
Pseudomonas_aeruginosa_SP4371_10392	NA	NA	NA
Pseudomonas_aeruginosa_SP4527_10694	NA	NA	NA
Pseudomonas_aeruginosa_SP4528_9945	NA	NA	NA

Pseudomonas_aeruginosa _ST773_12047	NZ_CP041945.1:chromosome:4992489-4992812	NZ_CP041945.1:chromosome:4992822-4993169	10
Pseudomonas_aeruginosa _T2101_12052	NZ_CP039990.1:chromosome:4784570-4784893	NZ_CP039990.1:chromosome:4784886-4785251	0
Pseudomonas_aeruginosa _T2436_12051	NA	NA	NA
Pseudomonas_aeruginosa _T38079_5952	NA	NA	NA
Pseudomonas_aeruginosa _T38079_7635	NA	NA	NA
Pseudomonas_aeruginosa _UCBPP-PA14_109	NA	NA	NA
Pseudomonas_aeruginosa _USDA-ARS-USMARC-41639_3640	NZ_CP013989.1:chromosome:4729169-4729492	NZ_CP013989.1:chromosome:4729485-4729850	0
Pseudomonas_aeruginosa _VA-134_3846	NA	NA	NA
Pseudomonas_aeruginosa _VRFPA04_230	NZ_CP008739.1:chromosome:1886188-1886511	NZ_CP008739.1:chromosome:1885830-1886195	0
Pseudomonas_aeruginosa _W16407_6873	NZ_CP008869.2:chromosome:4984581-4984904	NZ_CP008869.2:chromosome:4984897-4985262	0
Pseudomonas_aeruginosa _W16407_7636	NZ_CP008869.1:chromosome:1117295-1117618	NZ_CP008869.1:chromosome:1116937-1117302	0
Pseudomonas_aeruginosa _W36662_7266	NA	NA	NA
Pseudomonas_aeruginosa _W36662_7637	NA	NA	NA
Pseudomonas_aeruginosa _W45909_5913	NZ_CP008871.2:chromosome:4954531-4954854	NZ_CP008871.2:chromosome:4954847-4955212	0
Pseudomonas_aeruginosa _W45909_7638	NZ_CP008871.1:chromosome:1000388-1000711	NZ_CP008871.1:chromosome:1000030-1000395	0
Pseudomonas_aeruginosa _W60856_6659	NZ_CP008864.2:chromosome:1764382-1764705	NZ_CP008864.2:chromosome:1764024-1764389	0
Pseudomonas_aeruginosa _W60856_7639	NZ_CP008864.1:chromosome:416026-416349	NZ_CP008864.1:chromosome:415668-416033	0
Pseudomonas_aeruginosa _WCHPA075019_6412	NZ_CP028584.1:chromosome:5098897-5099220	NZ_CP028584.1:chromosome:5099213-5099578	0
Pseudomonas_aeruginosa _WCHPA075019_9521	NZ_CP028584.2:chromosome:5098897-5099220	NZ_CP028584.2:chromosome:5099213-5099578	0
Pseudomonas_aeruginosa _X78812_6522	NA	NA	NA
Pseudomonas_aeruginosa _X78812_7644	NA	NA	NA
Pseudomonas_aeruginosa _Y31_6550	NA	NA	NA
Pseudomonas_aeruginosa _Y71_9532	NZ_CP030911.1:chromosome:4990210-4990533	NZ_CP030911.1:chromosome:4990526-4990891	0

Pseudomonas_aeruginosa_Y82_7124	NZ_CP030912.1:chromosome:5889781-5890104	NZ_CP030912.1:chromosome:5890097-5890444	0
Pseudomonas_aeruginosa_Y89_7172	NZ_CP030913.1:chromosome:4927126-4927449	NZ_CP030913.1:chromosome:4927442-4927807	0
Pseudomonas_aeruginosa_YB01_12114	NZ_CP028132.1:chromosome:4598419-4598742	NZ_CP028132.1:chromosome:4598735-4599100	0
Pseudomonas_aeruginosa_YL84_2501	NZ_CP007147.1:chromosome:2522961-2523284	NZ_CP007147.1:chromosome:2522603-2522968	0

^aThe genomic distance between the *prfT-prrA* homologs, the 0 value indicates gene overlap

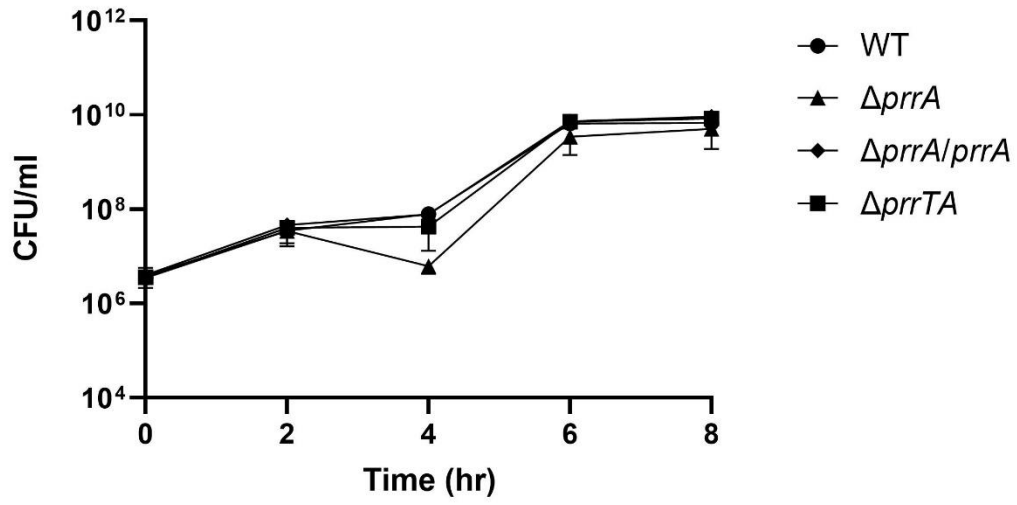
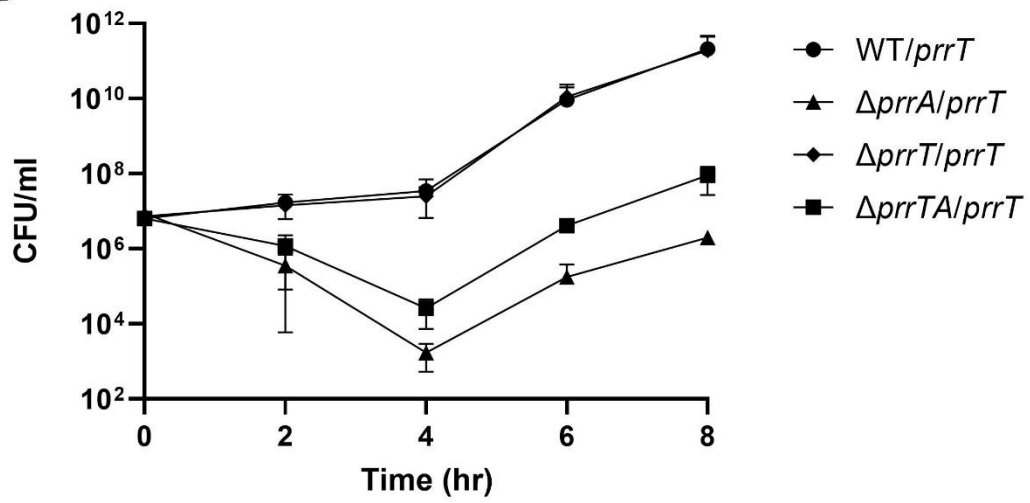
A**B**

Figure S1

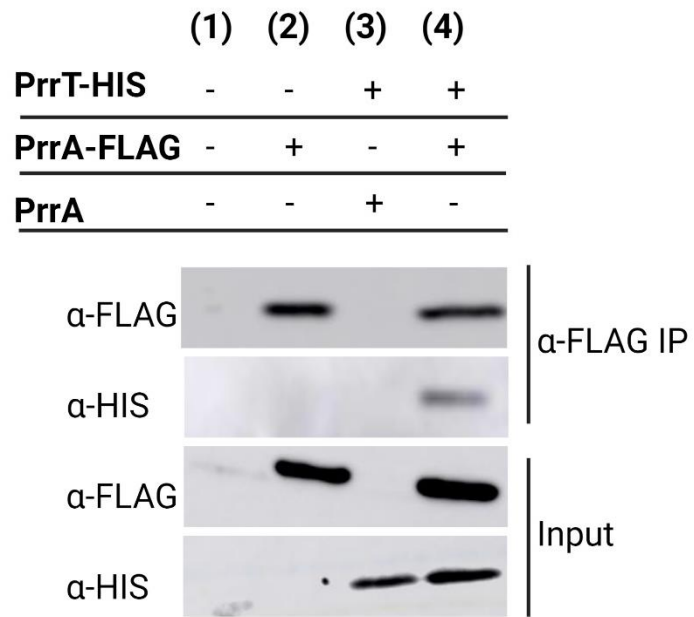


Figure S2

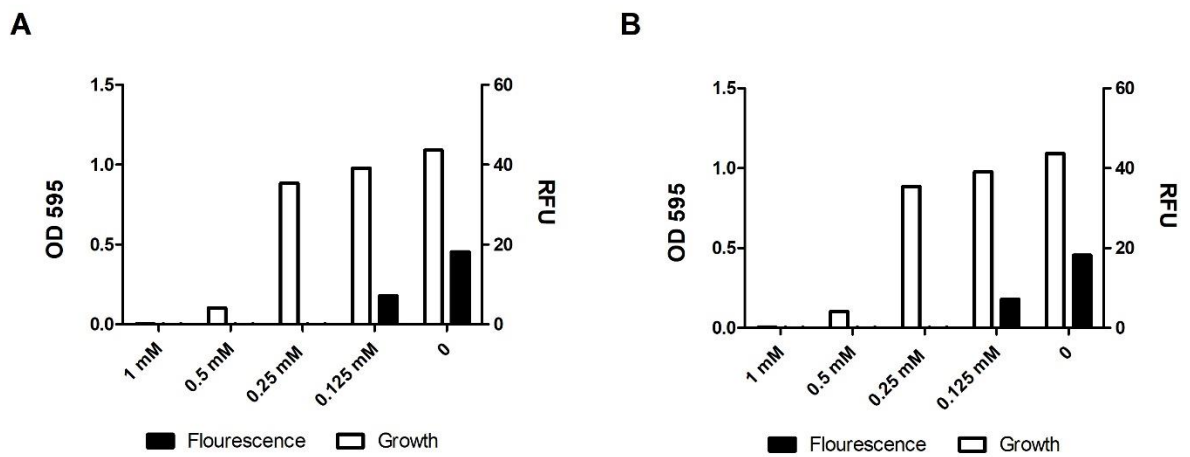


Figure S3

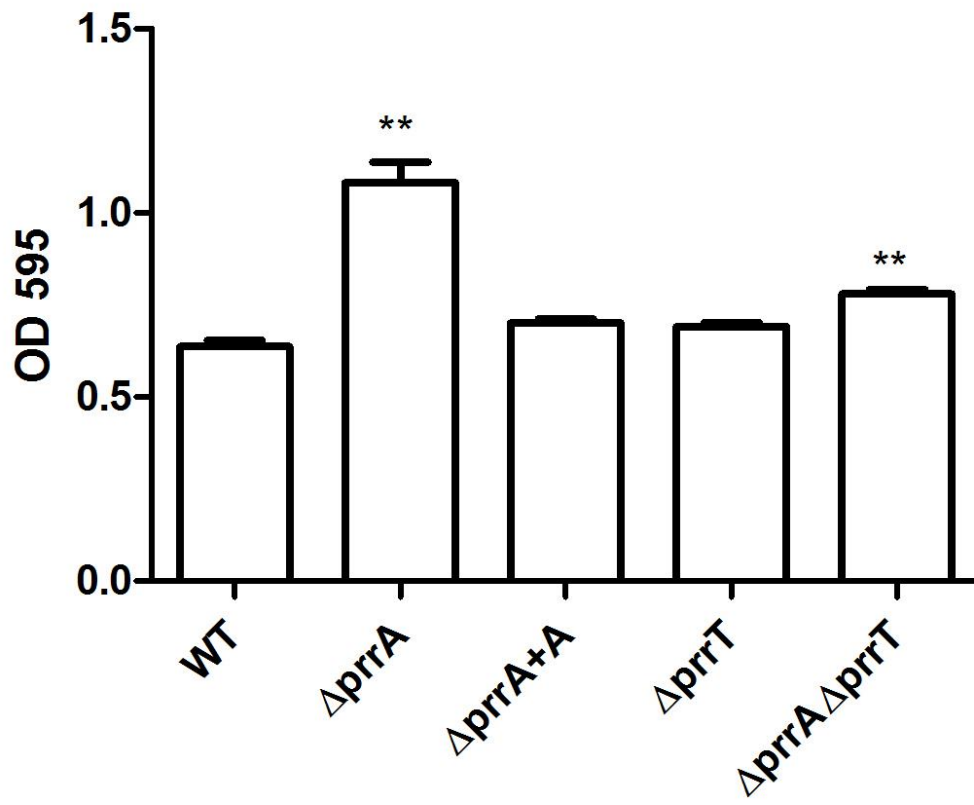


Figure S4

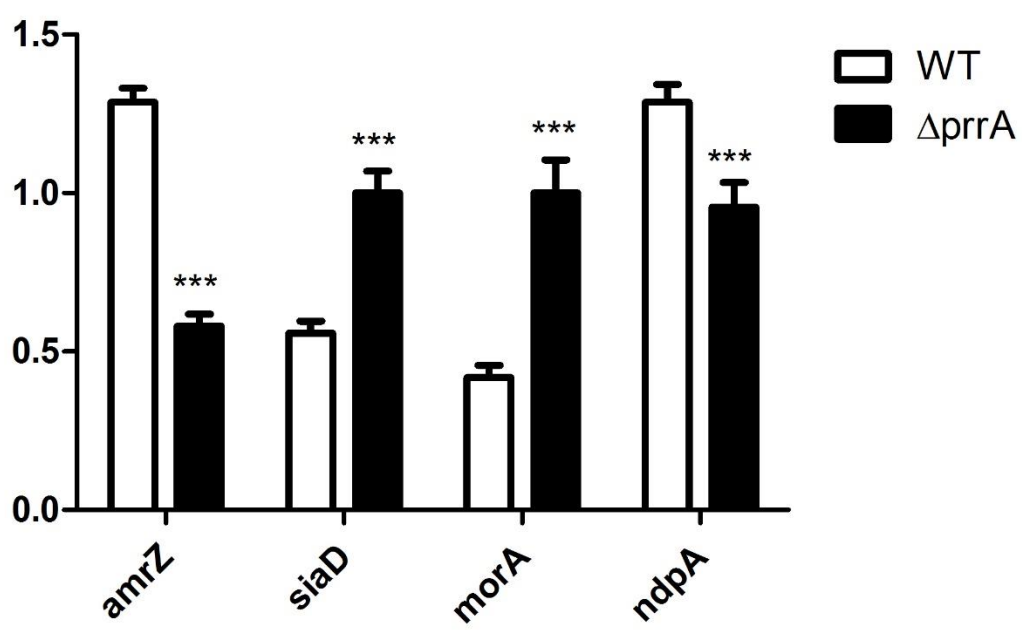


Figure S5

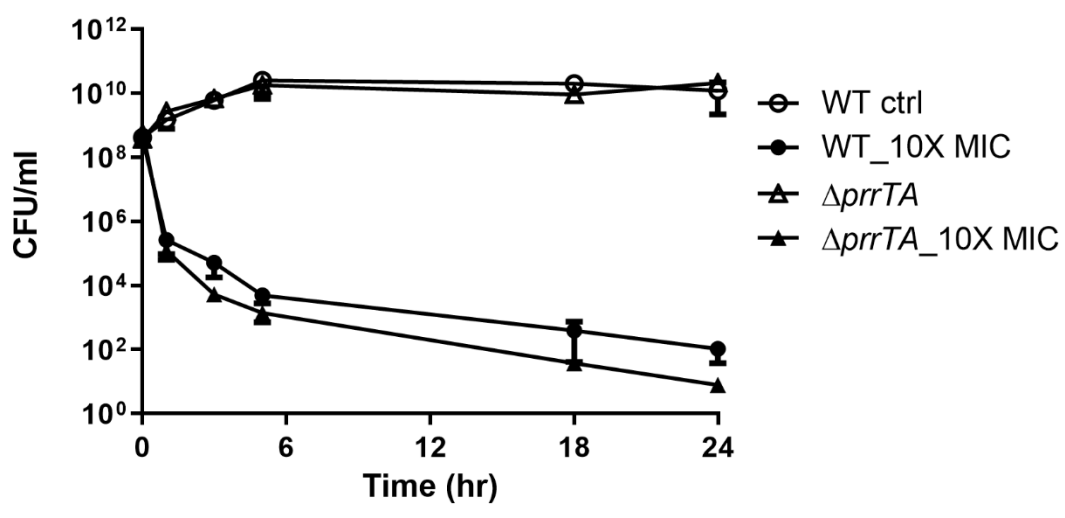


Figure S6

Supplementary references

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