Supplemental Table 1

TABLE S1 Primers used in this study

Primer	Sequence (5’ to 3’)	Description
rseA-downF	TCTAGACAACAGGCTCAGTAATCATTGTG	For *rseA* knockout. Paired with ‘‘rseA-downR’.
rseA-downR	ACCACTAAAGGTTGCTCAACAG	
rseA-upF	GTTATACGAAAACGTTGACCCA	For *rseA* knockout. Paired with ‘‘rseA-upR’.
rseA-upR	TCTAGAGCCATCCATAAATGCAGAAAG	
rpoE-downF	ATTCAGTGCTTGAGTGGCTTT	For *rpoE* knockout. Paired with ‘‘rpoE-downR’.
rpoE-downR	TCTAGAGAGTTATAAGATGGCTGAACCCTC	
rpoE-upF	TCTAGAGGTCACCCAGTTGTACCTTCTCG	For *rpoE* knockout. Paired with ‘‘rpoE-upR’.
rpoE-upR	GCATGCCGTAACCAAGAGCG	
rseAcom-F	TCTAGAGAGTTATAAGATGGCTGAACCCTC	For *rseA* complementation. Paired with ‘‘rseAcom-R’
rseAcom-R	GATTACTGAGCCTGTTGCTGAG	
rpoEcom-F	CCAGTTCCAATCTTGGGTCA	For *rpoE* complementation. Paired with ‘‘rpoEcom-R’
rpoEcom-R	GGGTTCAGCCATCTTATAACTC	
flhDC RT-F	CGCACATCAGCCTGCAAGT	For *flhDC* real-time RT-PCR. Paired with ‘‘flhDC RT-R’’
flhDC RT-R	GCAGGATTGGCGGAAAGTT	
fliC RT-F	CGTCTGTCTTCTGGTCTA	For *fliC* real-time RT-PCR. Paired with ‘‘fliC RT-R’’
fliC RT-R	CCTTCAGTTGTTTGAGCGA	
mrpI RT-F	CCCGAAAGAGATTACTGT	For *mrpI* real-time RT-PCR. Paired with ‘‘mrpI RT-R’’
mrpI RT-R	AGTTGCATAAGGCTTCATA	
mrpA RT-F	GGTTCTTTAGGCATTGAAGG	For *mrpA* real-time RT-PCR. Paired with ‘‘mrpA RT-R’’
mrpA RT-R	TCATTGTTACCATCACGCAG	
mrpJ RT-F	GAACGAGGTATGAACAAA	For *mrpJ* real-time RT-PCR. Paired with ‘‘mrpA RT-R’’
mrpJ RT-R	CGTAGCAATCCTCAAAAA	

gyrB RT-F	GACCCGTACGCTAAACAAC	Internal control for bacteria in real-time RT-PCR. Paired with ‘‘gyrB RT-R’’
gyrB RT-R	AGAAATAACCGCAATCAGG	
mrpA protein-F	GGATCCATGAAATTAAATAAATTAGCTTTAG	For MrpA-His_6 expression. Paired with ‘‘mrpA protein-R’’
mrpA protein-R	CTCGAGTTACTGATAAGTCAGTGCGA	
IL-8 RT-F	CACACTGCGCCAACACA	For IL-8 real-time RT-PCR. Paired with ‘‘IL-8 RT-R’’
IL-8 RT-R	TCAGCCCTCTTCAAAAACT	
MIF RT-F	AACCGCTCCTACAGCAAG	For MIF real-time RT-PCR. Paired with ‘‘MIF RT-R’’
MIF RT-R	GTTGTTCCAGCCCACATT	
PAI-1 RT-F	ATGCAGATGTCTCCAGCC	For PAI-1 real-time RT-PCR. Paired with ‘‘PAI-1 RT-R’’
PAI-1 RT-R	GCCACCTGCTGAAACACC	
CXCL1 RT-F	ACTGCTGCTCCTGCTCCT	For CXCL1 real-time RT-PCR. Paired with ‘‘CXCL1 RT-R’’
CXCL1 RT-R	CGATGATTTTCTTAACTATGGG	
GAPDH RT-F	CTTTGGTATCGTGGAAGG	Internal control for cytokine real-time RT-PCR. Paired with ‘‘GAPDH RT-R’’
GAPDH RT-R	GATGATGTTCTGGAGAGC	
mrpP1	GCATCAATAAAGGGTTGTGTTTT	For the IE assay of the MR/P fimbriae. Paired with mrpP2
mrpP2	GTAATTGAGCAAGGAGCATCAAT	

Supplemental Fig. 1

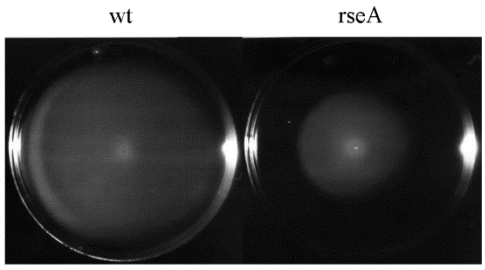

FIG S1 The effect of *P. mirabilis* RpoE on swimming. The overnight bacterial culture was seeded centrally on 0.3 % LB agar plates. After incubation at 37 ℃ for 30 h, the migration distance (mm) was determined. All data are the averages and standard deviations of three independent experiments. Significant difference was observed by Student's *t*-test analysis (*, P<0.05). wt, wild-type; rseA, *rseA* mutant.