

Supporting Information for

PqsE adapts activity of the *Pseudomonas aeruginosa* quorum-sensing transcription factor RhIR to both autoinducer concentration and promoter sequence identity

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Table S1

Supplementary Tables

Strain	Description	Reference
UCBPP-PA14	PA14 <i>P. aeruginosa</i> Wildtype	Laboratory stock
SM1328	<i>E. coli</i> Top10 <i>P_{BAD}-rhIR PrhIA-luxCDABE pACYC184(control)</i>	14
IT116	<i>E. coli</i> Top10 <i>P_{BAD}-rhIR PrhIA-luxCDABE pACYC184_DP-P_{lac}-pqsE(WT)</i>	17
IT117	<i>E. coli</i> Top10 <i>P_{BAD}-rhIR PrhIA-luxCDABE pACYC184_DP-P_{lac}-pqsE(D73A)</i>	17
IT118	<i>E. coli</i> Top10 <i>P_{BAD}-rhIR PrhIA-luxCDABE pACYC184_DP-P_{lac}-pqsE(E182W)</i>	17
IT119	<i>E. coli</i> Top10 <i>P_{BAD}-rhIR PrhIA-luxCDABE pACYC184_DP-P_{lac}-pqsE(NI)</i>	17
JD17	PA14 $\Delta rhII \Delta pqsE$ <i>PrhIA-mNeonGreen pUCP18-P_{lac}-pqsE(WT)</i>	This study
JD18	PA14 $\Delta rhII \Delta pqsE$ <i>PrhIA-mNeonGreen pUCP18(control)</i>	This study
JD19	PA14 $\Delta rhII \Delta pqsE$ <i>PrhIA-mNeonGreen pUCP18-P_{lac}-pqsE(D73A)</i>	This study
JD20	PA14 $\Delta rhII \Delta pqsE$ <i>PrhIA-mNeonGreen pUCP18-P_{lac}-pqsE(E182W)</i>	This study
JD21	PA14 $\Delta rhII \Delta pqsE$ <i>PrhIA-mNeonGreen pUCP18-P_{lac}-pqsE(NI)</i>	This study
IT172	<i>E. coli</i> Top10 <i>P_{BAD}-rhIR PphzM-luxCDABE pACYC184(control)</i>	This study
IT173	<i>E. coli</i> Top10 <i>P_{BAD}-rhIR PphzM-luxCDABE pACYC184_DP-P_{lac}-pqsE(WT)</i>	This study
IT174	<i>E. coli</i> Top10 <i>P_{BAD}-rhIR PphzM-luxCDABE pACYC184_DP-P_{lac}-pqsE(D73A)</i>	This study
IT175	<i>E. coli</i> Top10 <i>P_{BAD}-rhIR PphzM-luxCDABE pACYC184_DP-P_{lac}-pqsE(E182W)</i>	This study
IT176	<i>E. coli</i> Top10 <i>P_{BAD}-rhIR PphzM-luxCDABE pACYC184_DP-P_{lac}-pqsE(NI)</i>	This study
SM52	PA14 $\Delta rhII$	17
IT122	PA14 $\Delta rhII \Delta pqsE$	17
IT123	PA14 $\Delta rhII pqsE(D73A)$	17
IT124	PA14 $\Delta rhII pqsE(E182W)$	17
IT129	PA14 $\Delta rhII pqsE(NI)$	17
BT013	PA14 $\Delta rhII \Delta pqsE$ <i>PazeB-luxCDABE pUCP18-P_{lac}-pqsE(WT)</i>	This study
BT014	PA14 $\Delta rhII \Delta pqsE$ <i>PazeB-luxCDABE pUCP18(control)</i>	This study
BT015	PA14 $\Delta rhII \Delta pqsE$ <i>PazeB-luxCDABE pUCP18-P_{lac}-pqsE(D73A)</i>	This study
BT016	PA14 $\Delta rhII \Delta pqsE$ <i>PazeB-luxCDABE pUCP18-P_{lac}-pqsE(E182W)</i>	This study
BT017	PA14 $\Delta rhII \Delta pqsE$ <i>PazeB-luxCDABE pUCP18-P_{lac}-pqsE(NI)</i>	This study
BT029	<i>E. coli</i> Top10 <i>P_{BAD}-rhIR PazeB-luxCDABE pACYC184_DP-P_{lac}-pqsE(WT)</i>	This study
BT030	<i>E. coli</i> Top10 <i>P_{BAD}-rhIR PazeB-luxCDABE pACYC184(control)</i>	This study
BT031	<i>E. coli</i> Top10 <i>P_{BAD}-rhIR PazeB-luxCDABE pACYC184_DP-P_{lac}-pqsE(D73A)</i>	This study
BT032	<i>E. coli</i> Top10 <i>P_{BAD}-rhIR PazeB-luxCDABE pACYC184_DP-P_{lac}-pqsE(E182W)</i>	This study
BT033	<i>E. coli</i> Top10 <i>P_{BAD}-rhIR PazeB-luxCDABE pACYC184_DP-P_{lac}-pqsE(NI)</i>	This study

Table S1. Strains used in this study.