

Supplementary Materials

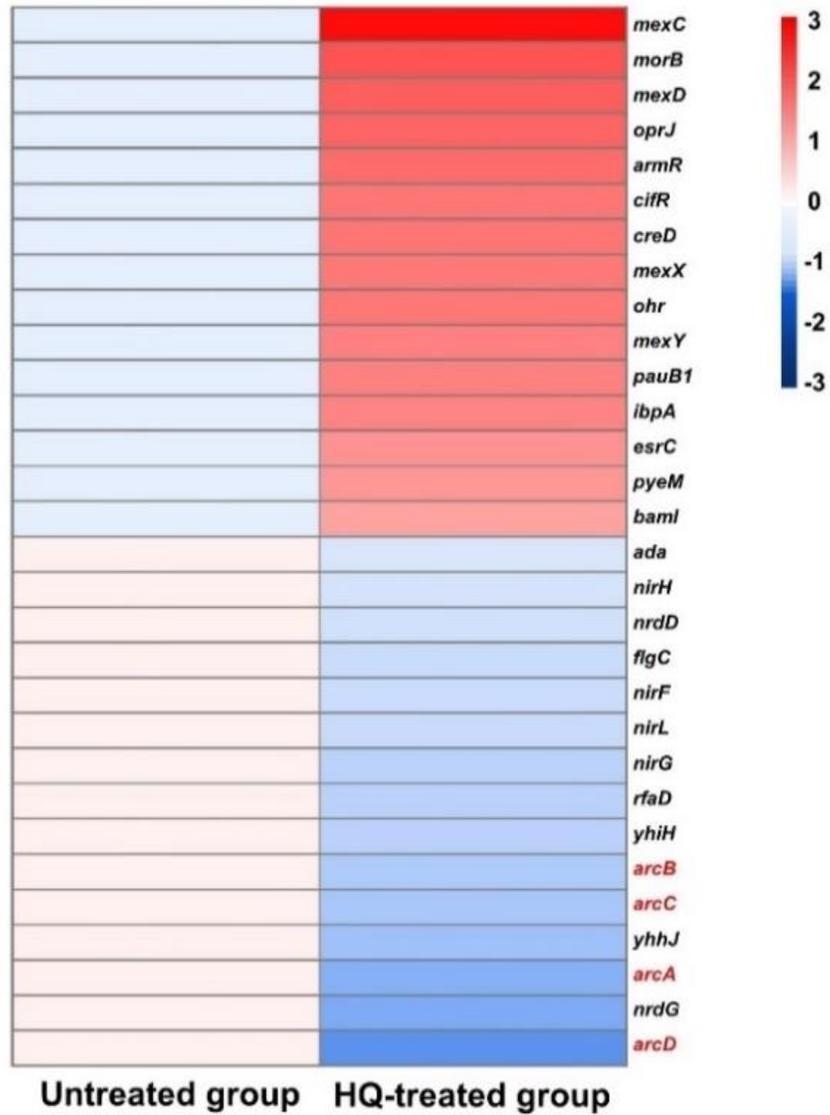


Figure S1. Gene expression heatmap of *P. aeruginosa* ATCC 27853 in response to hydroquinone (1.25 mg/mL). The map shows the top 15 transcripts of the significantly up- and down-regulated DEGs (hypothetical protein and undefined genes were excluded).

Table S1. Differentially expressed genes (DEGs) associated with the ADI pathway as determined by transcriptome analysis.

Gene name	Gene product	Product name	Log ₂ FC ¹	FDR ²	<i>p</i> -value
<i>arcA</i>	Arginine deiminase (ADI)	ADI	-3.85	2.06 × 10 ⁻⁵	1.43 × 10 ⁻⁷
<i>arcB</i>	Ornithine transcarbamylase (OTC)	OTC	-3.32	4.00 × 10 ⁻⁴	3.36 × 10 ⁻⁶
<i>arcC</i>	Carbamate kinase (CK)	CK	-3.41	2.00 × 10 ⁻⁴	1.96 × 10 ⁻⁶
<i>arcD</i>	Arginine/ornithine antiporter (AOA)	AOA	-4.24	2.51 × 10 ⁻⁶	1.22 × 10 ⁻⁸

¹Log₂ FC, Log₂ relative fold changes of the gene expression levels in response to hydroquinine, compared to the untreated control. ²FDR, false discovery rate showed statistical significances.