

1 **Supplementary Information**

2 **Supplementary Figure 1. Hydrogen peroxide production by six D39 strains. Data**

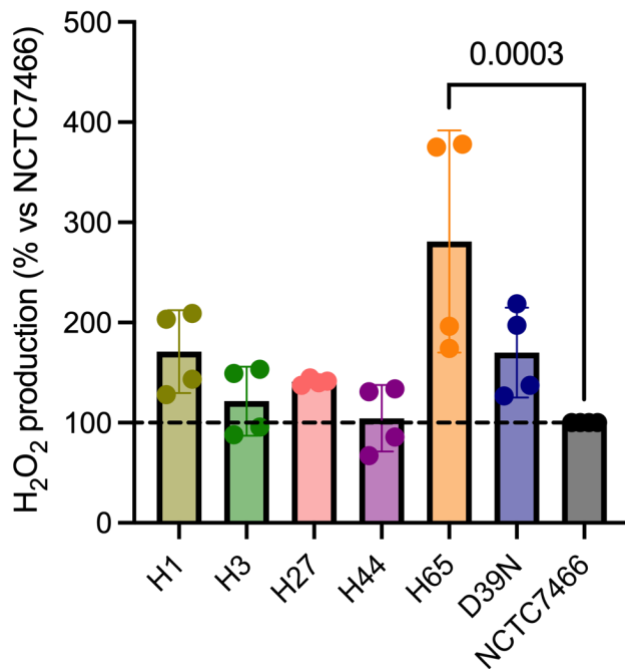
3 are presented as relative (percentage) H₂O₂ production for each strain versus

4 NCTC7466, after normalisation for cell density, as determined by Amplex Red Hydrogen

5 Peroxide detection kit. Data are from two independent experiments. Statistical analysis

6 was by ordinary one-way ANOVA with Dunnett's multiple comparison test vs NCTC7466.

7 Only statistically significant differences are shown.



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1 **Supplementary Table 1. Minimum inhibitory concentrations of beta lactam**
2 **antibiotics against six D39 strains.** Data are presented as median MIC50 ($\mu\text{g/ml}$) with
3 the range of observed MIC50 values from three independent experiments, each
4 containing three technical replicates per strain.

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Strain	Cefotaxime	Penicillin	Ampicillin
H1	0.0039 (0.0039-0.0078)	0.0039 (0.0039-0.0078)	0.1 (0.06-0.1)
H3	0.0078	0.0078 (0.0039-0.0078)	0.1
H27	0.0078 (0.0078-0.0156)	0.0078 (0.0078-0.0156)	0.1
H44	0.0078	0.0078 (0.0039-0.0078)	0.1
H65	0.0078 (0.0078-0.0156)	0.0078 (0.0078-0.0156)	0.1
D39N	0.0078	0.0078 (0.0039-0.0078)	0.1
NCTC7466	0.0078 (0.0078-0.0156)	0.0078 (0.0039-0.0078)	0.1

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1 **Supplementary Table 2. Transformation efficiency of six D39 strains.** Data are
2 presented as mean transformation efficiency from three independent experiments, each
3 containing two technical replicates per strains. P values are from one-way ANOVA with
4 Dunnett's multiple comparisons test, with NCTC7466 as the control strain.

Strain	Transformation efficiency	Standard deviation	P-value vs NCTC7466
H1	2.37×10^{-3}	0.0002484	0.1252
H3	5.76×10^{-3}	0.0005558	0.2622
H27	2.16×10^{-3}	0.0006583	0.2937
H44	2.72×10^{-3}	0.0000584	*0.0426
H65	4.42×10^{-4}	0.0003575	0.0842
D39N	2.84×10^{-3}	0.0004903	0.3523
NCTC7466	4.00×10^{-3}	0.0000096	

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