

SUPPLEMENTAL MATERIAL

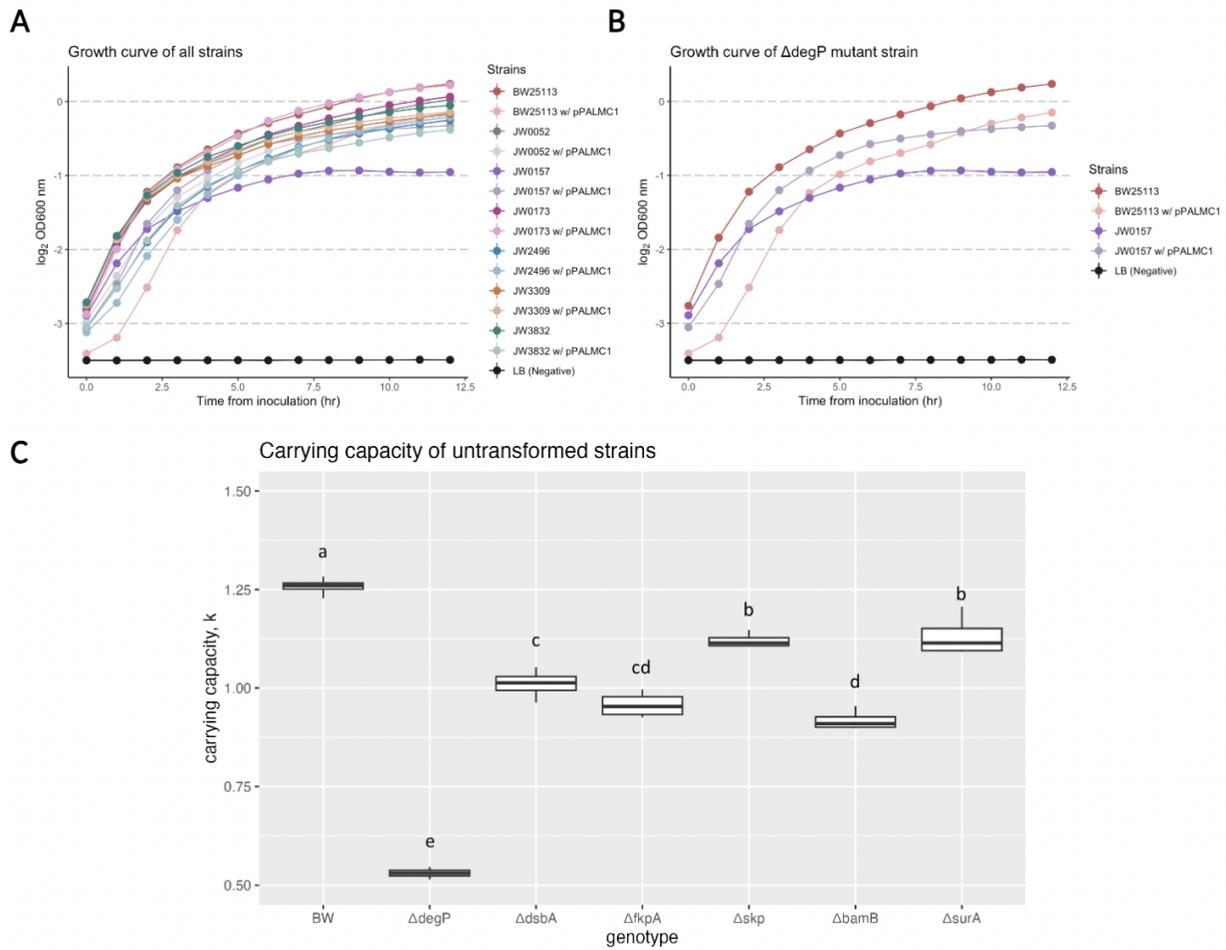


FIG. S1 Carrying capacity of $\Delta degP$ *E. coli* is attenuated. (A) Growth curves of each WT BW25113 *E. coli* and chaperone knockout strains, both untransformed and transformed with pPALMC1. Points represent the mean of technical replicates, $n=4$. **(B)** Isolation of growth curve data for WT BW25113 and $\Delta degP$ (JW0157) strains. **(C)** Growth curves of untransformed strains were fit to the logistic growth equation, estimating carrying capacity k . Statistical comparison was performed in R using one-way ANOVA, letters represent statistically distinct groups ($p<0.05$).

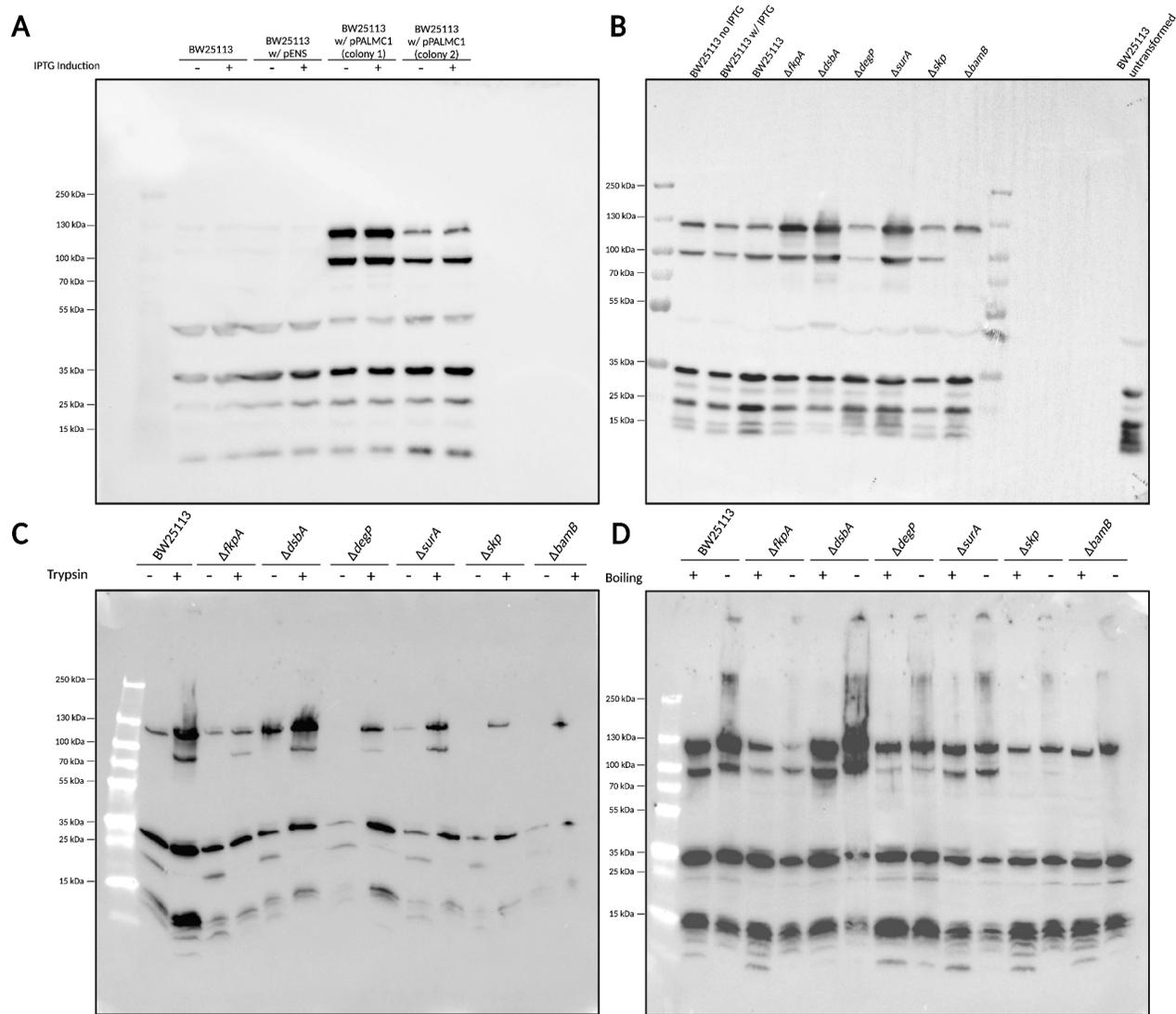


FIG. S2 Full Western Blots. (A) Western blot with anti-6xHis-tag performed against BW5113 *E. coli* transformed with pENS or pPALMC1, alongside an untransformed control. IPTG induction (1 μ M, 4h) is indicated with (+/-). (B) Western blot for chaperone knockout strains transformed with pPALMC1. (C) Western blot of pPALMC1-transformed *E. coli* BW25113 and chaperone knockout Keio strains treated with (+) and without (-) trypsin (240 μ g/mL). (D) Western blot of pPALMC1-transformed *E. coli* BW25113 and chaperone knockout Keio strains treated with formaldehyde and heated at 95°C or 37°C. “Heavy” and “Light” bands correspond to protein complexes of higher and lower molecular weight.

TABLE. S1 Naming convention of Keio strain mutants.

Genotype	Strain Name
WT	BW25113
<i>ΔfkpA</i>	JW3309
<i>ΔdsbA</i>	JW3832
<i>ΔdegP</i>	JW0157
<i>ΔsurA</i>	JW0052
<i>Δskp</i>	JW0173
<i>ΔbamB</i>	JW2496