**Disruption of trehalose production in *Escherichia coli* K-12 does not confer sensitivity to SDS-EDTA-induced outer membrane stress**

Mackenzie W. Gutierrez, Laurel M. Neufeld, Xin Wei, and Yi Han Yin

*Department of Microbiology and Immunology, University of British Columbia, Vancouver, British Columbia, Canada*

**SUPPLEMENTAL MATERIALS**

**Supplemental Figure 1. *otsA* amplicon of JW5312-3 displays a reduced molecular weight.** Gel electrophoresis of *otsA* amplicons from JW5312-3 (*ΔotsA*) and BW25113 (WT). Position relative to the 1kb ladder was used to interpret results.



**Supplemental Figure 2. Baseline growth dynamics of WT and *otsA* mutant differ significantly within each replicate.** *otsA* knockout mutant growth curve as a percentage of WT growth curve over 18 hours in LB broth. For each of three biological replicates (each with three technical replicates), the OD600 values from the Δ*otsA* growth curve were divided by the OD600 values of the WT growth curve. Statistical analysis was performed with a two-tailed unpaired parametric T test. \*, P<0.05; \*\*, P<0.005. Error bars indicate standard deviation between biological replicates.