



Additional File 1. YpeB-cysteine mutant strain functional screens. **A.** Germination rates of wild type (\bullet), $\Delta ypeB$ (\blacksquare), $YpeB^{K437C}$ ($+$), and $YpeB^{S358C}$ (\times) spores were determined by monitoring OD_{600} change over time following addition of rich media. Spores with Cys-substituted YpeB proteins germinated similarly to the wild type but were delayed in outgrowth. **B.** Visualization of YpeB proteolytic processing during germination. Dormant spores were submitted to germination-inducing conditions, aliquots were taken at specified time points and flash frozen for later analysis via western blot. Cys-substituted YpeB proteins exhibited cleavage during germination similar to that of the wild type protein. **C.** 10 OD of dormant spores encoding YpeB-cysteine alleles and controls were lyophilized and mechanically broken. Serial dilutions of extracts were visualized via western blotting for both YpeB and SleB abundance. Cys-substituted YpeB proteins were present in spores at levels similar to that of the wild type protein and supported wild type levels of SleB accumulation.