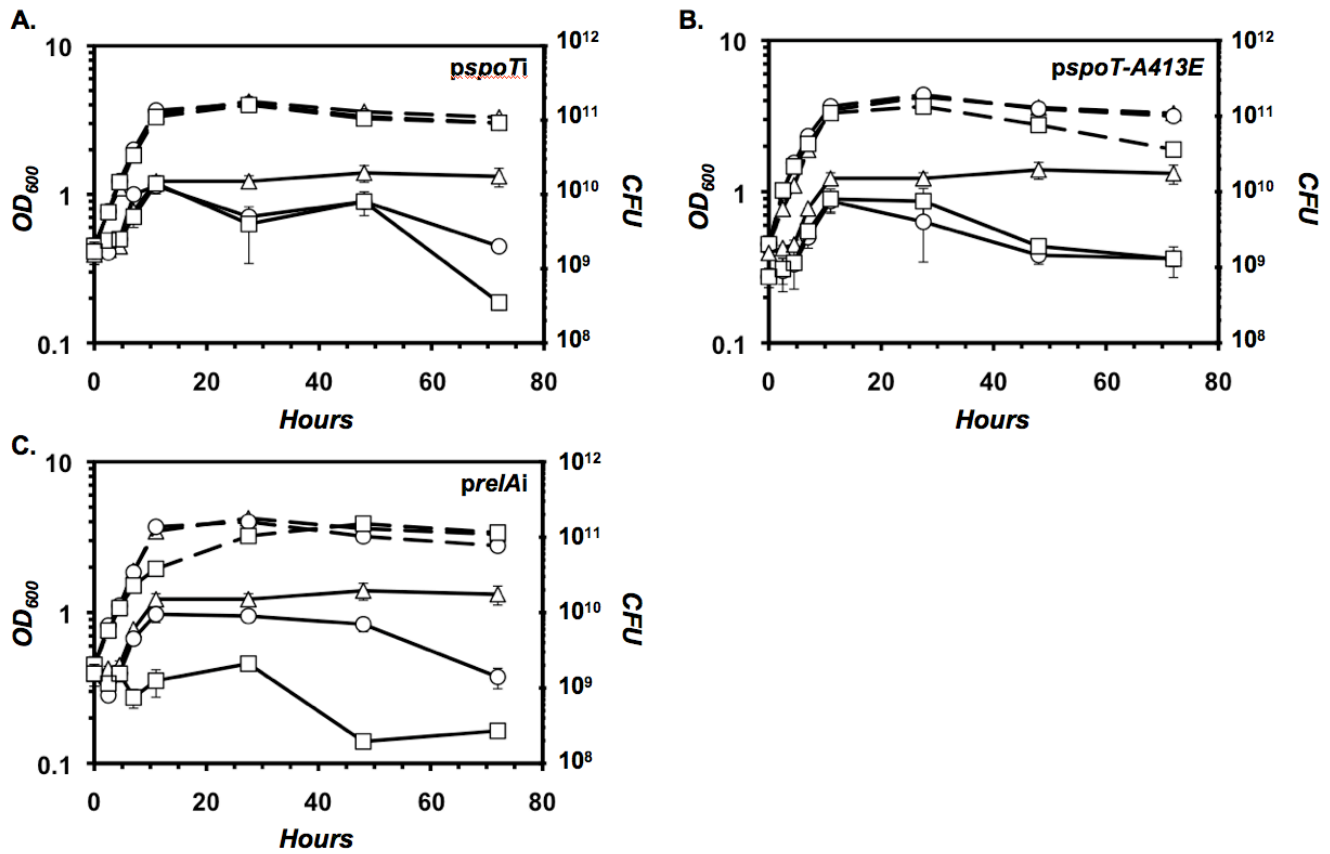


Supplemental Figure 1.



Supplemental Figure 1. Growth patterns of *relA spoT* mutant strains induced to express *spoT*, *spoT-A413E*, or *relA*. When *relA spoT* mutant bacteria are induced to express either *pspoT-A413E* or *preIAi* they fail to replicate in macrophages or on rich medium that contains IPTG (Fig. 8). To determine the impact of *pspoT-A413E* or *preIAi* on growth of *relA spoT* mutant bacteria in broth, we monitored OD₆₀₀ and CFU following IPTG treatment for a time period equivalent to that applied in macrophages (Fig. 8A). **A.** Early E phase cultures were diluted to an OD₆₀₀ of 0.45, cultured for 4.5 h to OD₆₀₀ of 1.1-1.5, divided, and then either induced with 200 μ M IPTG or left untreated. OD₆₀₀ (dashed lines) and CFU (solid lines) were monitored throughout for cultures of WT empty + IPTG (triangles), *relA spoT pspoTi* uninduced (circles), and *relA spoT pspoTi* + IPTG (squares). **B.** The experimental conditions in B and C were identical to and were assessed in parallel to those in A. Represented are WT empty + IPTG (triangles), *relA spoT pspoT-A413E* uninduced (circles), and *relA spoT pspoT-A413E* + IPTG (squares). **C.** Represented are WT empty + IPTG (triangles), *relA spoT preIAi* uninduced (circles) and *relA spoT preIAi* + IPTG (squares). The experiment was performed once for the extended induction period shown (~ 68 h). In addition, the OD₆₀₀ was monitored following induction for > 3 h in more than three independent experiments, including those represented in Figs. 5 and 8. In those experiments, the growth patterns of induced strains were identical to those depicted here. Mean CFU \pm SE was calculated from serial dilutions plated in duplicate.