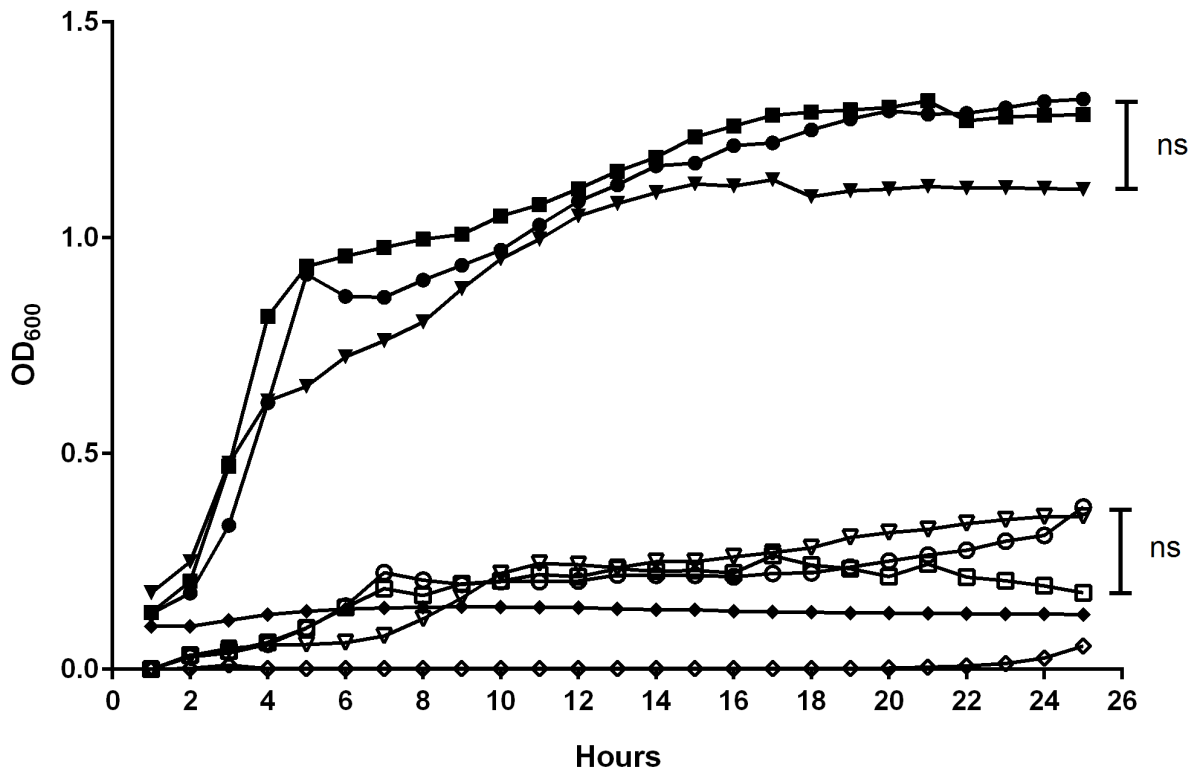


Supplemental Figure S1. Bacterial gallbladder CFU enumeration of *Salmonella* at 7 days, 14 days, and 21 days post-infection in the presence of gallstones. Mice were given intraperitoneal injections of WT (circles) or WT+ViAg (triangles). In both cases, the resulting final dose was 10⁴ and the limit of detection was 100 CFU/ml. An unpaired t-test with Welch's correction was used to determine significant differences between mutant strains and WT in each organ (*, $P < 0.05$; **, $P < 0.01$). Bars indicate means.



Supplemental Figure S2. Growth curve of WT (circles), WT + Vi-antigen (upside down triangles), and $\Delta wcaM\Delta csgA\Delta yihO\Delta bcsE$ (squares), in both rich TSB media (solid) and minimal M9 media (open). A control of the media only (M9, open diamonds; TSB, closed diamonds) was performed to verify media sterility. An unpaired t-test was used to determine significant differences between the mutant strain and WT (ns = not significant).

Supplemental Methods

Growth Curves

Microtiter wells were inoculated with a 1:100 dilution of 2×10^9 bacteria in TSB or M9 and incubated for 24 hr at 37°C shaking every 5 sec. Optical density was measured every hour at 600 nm (OD₆₀₀) in a SpectraMax Spectrophotometer with SoftMax Pro software (Molecular Devices) to determine the rate of growth.