



FIG S4. Indole signaling occurs through CpxA-CpxR node. (A and B) qRT-PCR analysis for select statistically significant differentially regulated histidine kinases (*cpxA*, *barA*, *creC*, and *yojN*) and response regulator (*cpxR*) obtained from (A) WT and (B) Δ *tnaA* EHEC grown anaerobically in the presence or absence of 500 μ M indole. Expression for *espA* was also included as a control. Fold change was calculated relative to endogenous control, *rpoA*.

Statistical analysis was performed using unpaired t-test followed by multiple comparison by Bonferroni-Dunn method. Subjects with asterisks (*), (**) indicate $p < 0.05$, $p < 0.01$.

(B) List of all known response regulators of EHEC. Based on reads per kilobase million (RKPM) values and statistical analysis, *cpxR* (cognate response regulator of *cpxA*) was noted to be similarly differentially regulated in the presence of indole. RNA seq results were analysed in ArrayStar. Statistical significance was calculated using Student's t-test followed by FDR (Benjamini Hochberg) correction. A p-value of less than 0.05 was considered significant.