



Figure 5 - Supplement 1. **A** Heatmap representation of time-dependent normalized RNA-seq gene expression for NF-κB pathway components in HIOs at 0-96 h post-microinjection. **B** Western blot of phosphorylated p65 and total p65 in cell lysates from HIOs microinjected with PBS or live *E. coli* and treated with IKKβ inhibitor SC-514 (1 μM) as indicated in the figure. **C** log₂-transformed fold-change in gene expression relative to PBS-injected controls for all 7 experimental conditions examined in this set of experiments: live *E. coli* +/- SC-514, heat-killed *E. coli* +/- SC-514, and hypoxic culture +/- SC-514, and PBS + SC-514. Differentially expressed genes (adjusted FDR < 0.05) are indicated in red (up-regulated) or blue (down-regulated). Mean of 3-5 replicates per experimental condition. **D** Top 10 percentile by FDR-adjusted *P*-value of over-represented genes sets from the GO, KEGG, and REACTOME databases in genes that were significantly up- or down-regulated by treatment with SC-514 alone relative to PBS-injected control HIOs. **E** Venn Diagram showing the number of genes shared between Gene Set I, Gene Set II, and the set of genes that are significantly down-regulated in PBS-injected HIOs treated with SC-514 relative to PBS-injected control HIOs. **F** Top 10 percentile by FDR-adjusted *P*-value of over-represented genes sets from the GO, KEGG, and REACTOME databases in genes that were shared between Gene Set I or II and the set of genes that are significantly down-regulated in HIOs treated with SC-514 relative to PBS-injected control HIOs.