Figure S7. Detection of pCD1 plasmid. Nucleic acid extracted from bacteria grown on SBA plates incubated at either 28°C or 35°C for 24 hr as well as from Y. pestis macrophages 2 hr post infection, was subjected to PCR analysis using the Y. pestis PCR primer set (BEI resources, Catalog No. NR-9688). Linearized plasmid DNA (BEI Resources, Catalog # NR-9551) was used as an internal control DNA for Y. pestis plasmid detection. (A) Agarose gel showing the presence of 1.9 kb pCD1 plasmid in Y. pestis grown at 28°C or 35°C on SBA plates. Lane 1, High molecular weight DNA marker; Lane 2, internal control Y. pestis DNA showing ~130 bp pCD1 amplicon; Lane 3, water negative control; Lane 4, Bacteria grown at 28°C showing the 1.9 kb pCD1 amplified product; Lane 5, Bacteria grown at 35°C showing the 1.9 kb pCD1 amplified product; Lane 6, low molecular DNA marker. (B) Agarose gel showing the presence of pCD1 plasmid (197 bp PCR product) in bacteria grown at 28°C (Lane 2) or 35°C (lane 3) on SBA plates or from RAW264.7 macrophages infected for 2 hrs with Y. pestis CO92 grown at 28°C (lane 4) or 35°C (lane 5). Lane 1, Low molecular weight DNA marker. The PCR primers used for amplification are- Forward primer 5’ GGCAGTAGACCAGGAATGGA 3’ and Reverse primer 5’ TGAGTGAGCGTAACGACTGG 3’.