



Figure 4. Cells without bS21-2 have an intramacrophage growth defect, which can be complemented by ectopic expression of bS21-2. Growth and survival of *F. tularensis* LVS cells within J774A.1 cells. Murine macrophage-like J774A.1 cells were infected with indicated bacterial cells at a multiplicity of infection of 5 – 10. J774A.1 cells were lysed and bacteria were plated for enumeration (colony forming units [CFU]) at 2 and 24 hours post-infection. Error bars represent 1 SD. Error bars for the LVS $\Delta rpsU2$ cells at the 24 hour time point are too small to be illustrated. Experiments were repeated at least twice and data from a representative experiment are shown. Lines above bars indicate statistical comparison among groups by t-test. Asterisk indicates group to which all other groups are compared, if horizontal line connects to line above group, *p < 0.05 using Benjamini-Hochberg correction.