



Figure S1. Immunofluorescent imaging of *S. pneumoniae* in the alveolar space. Frozen lung sections from TIGR4 and T4 $\Delta psrP$ infected mice were processed for imaging using anti-serotype 4 capsular antiserum (Statens Serum Institute; Denmark). Images were taken at 600X and are representative. Note the detection of a large bacterial aggregate (green) for TIGR4 infected animals, whereas for mice infected with T4 $\Delta psrP$ smaller clusters are evident.