



SUPPLEMENTARY FIG. S4. Long-term AAV9 gene expression in nasal cavity of SP-A knockout mice previously infected with PAO1. Animals were transduced with AAV9.*ffluc* on day 2 of a PAO1 infection and imaged for *ffluc* expression approximately every week until day 85 post-AAV administration. PAO1-infected mice show significantly lower nasal cavity luminescence than that of uninfected mice only at days 7 and 21 post-AAV administration (** $p < 0.01$, * $p < 0.05$, Student's *t*-test, day 7 uninfected $n = 7$, day 7 infected $n = 7$, for all other time points: uninfected $n = 3$ and infected $n = 4$). ●— PBS, AAV9, -■- - *Bb*, AAV9.