

Figure S1. CD8 T cell migration in the SI is dynamic during infection, related to Figure 1. Naïve Thy1.1 P14-GFP CD8 T cells were transferred to B6 mice and infected with LCMV 1 day later. (A) Experimental setup. (B) Intraepithelial lymphocytes (IEL, left) and lamina propria lymphocytes (LPL, right) were isolated from the small intestine (SI) at the indicated time points. The numbers reflect the percent P14-GFP CD8 T cells within the indicated gate. Plots are gated on CD8 T cells. (C) 3D schematic of the SI (left) with a cross section indicating the area being imaged. Prior to imaging, B6 mice were injected with Hoechst stain (dark blue) to visualize intestinal architecture. P14-GFP CD8 T cells are cyan-colored within the tissue. (D-F) Several positions within the tissue were analyzed for each mouse and averaged to obtain a single data point per mouse for (D) mean track speed, (E) median turning angle and (F) confinement ratio at day 5 (magenta), day 8 (blue), day 14 (purple) and day 30 (green) after LCMV. Data are representative of 2 or more experiments totaling n=4 for day 5, n=7 for day 8, n=5 for day 14, and n=8 for day 30. A Kruskal-Wallis one-way ANOVA with Dunn's multiple comparison test was performed to evaluate statistical significance. ***p=0.0010 and *p=<0.05. Error bars are SEM.