

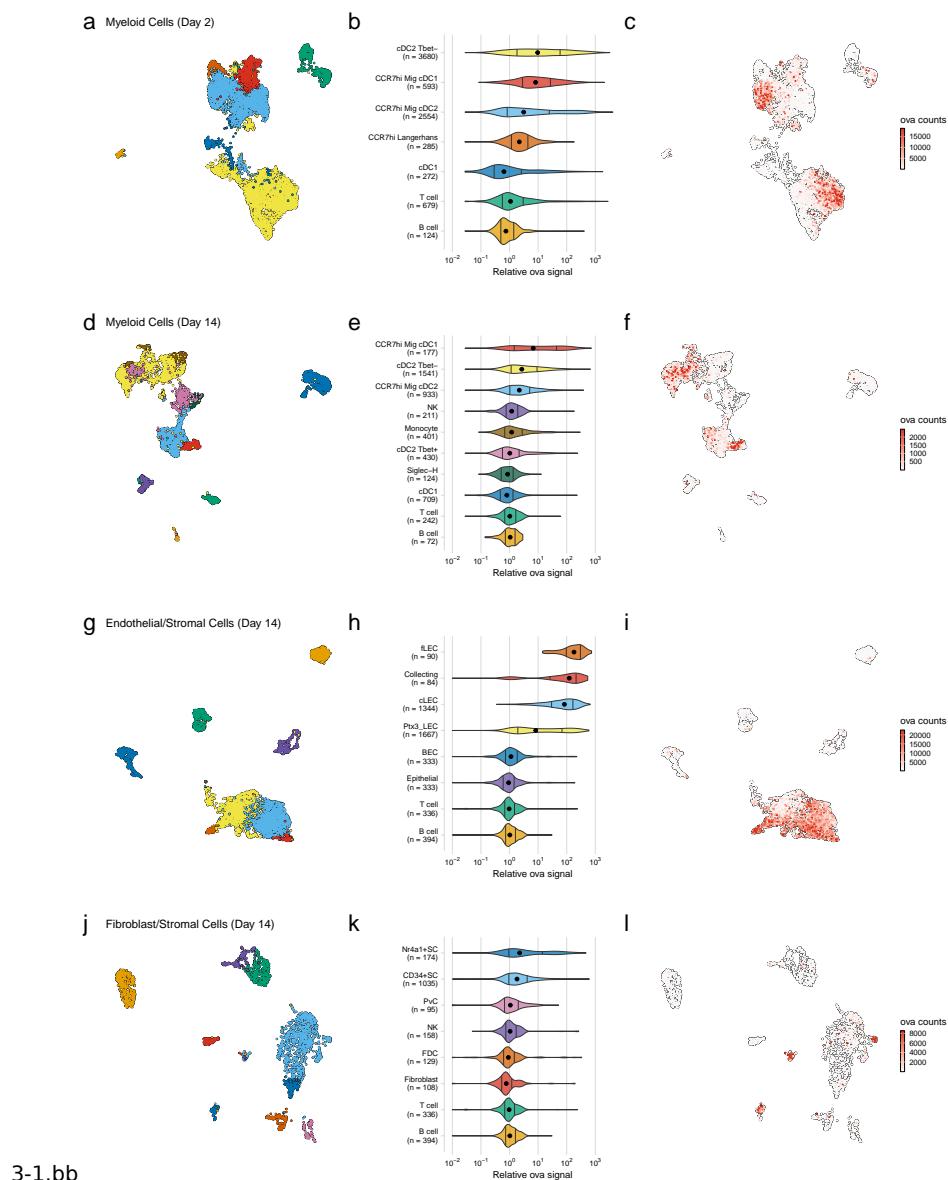
Antigen Tracking Figures

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2020-07-29

Figure 3

Cell types associated with high antigen counts. (a, d, g, j) UMAP projections are shown for DCs, LECs, and FRCs. (b, e, h, k) Relative ova signal was calculated by dividing antigen counts for each cell by the median antigen counts for T and B cells. (c, f, i, l) Antigen counts are displayed on UMAP projections for each cell type.



3-1.bb

Figure 4

Genes associated with high antigen counts for day 14 LECs. (a) LECs containing low and high antigen counts were identified using a gaussian mixture model. A UMAP projection is shown for ova-low and ova-high cells. T cells, B cells, and epithelial cells are shown in white (Other). (b) The distribution of ova antigen counts is shown for ova-low and ova-high cells. Dotted lines indicate the mean counts for each population. (c) The fraction of cells belonging to each LEC cell type is shown for ova-low and ova-high populations. (d) UMAP projections show the expression of top ova-high markers. (e) The expression of ova-high markers was plotted for each cell type.

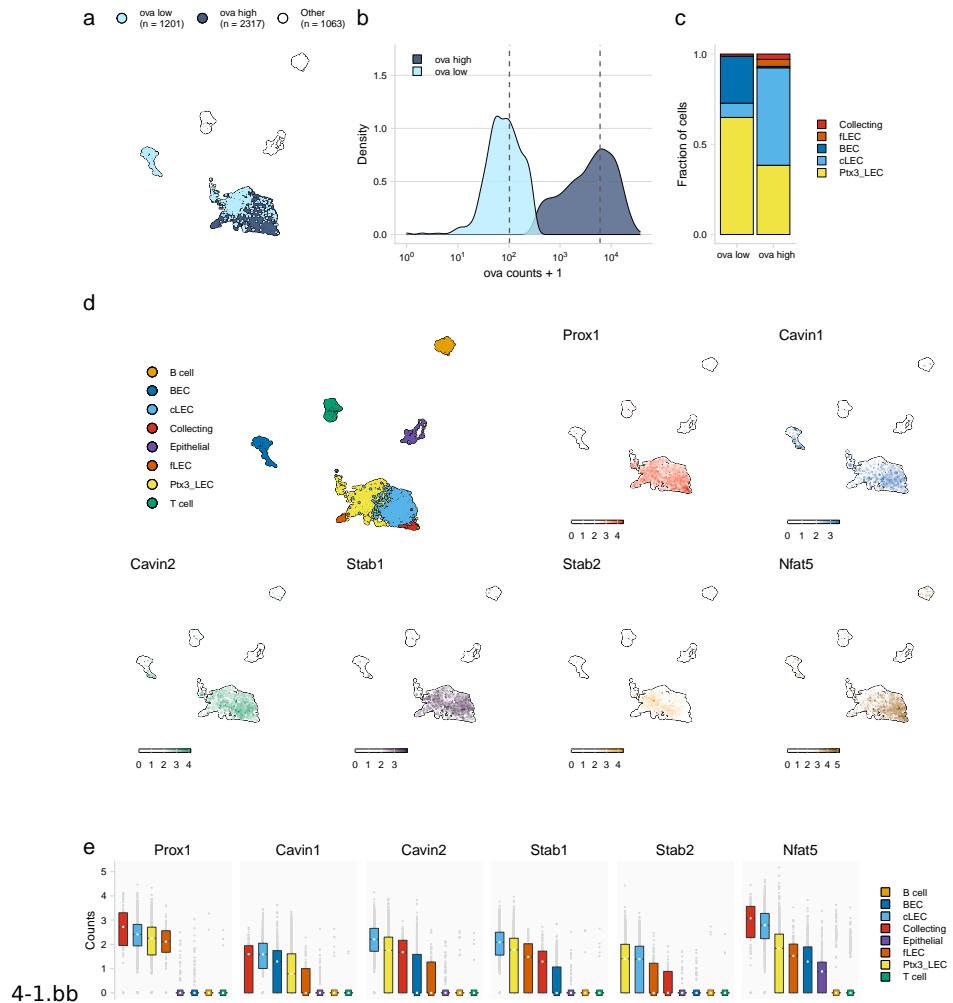


Figure S5

Comparison of ova-psDNA, psDNA, and pDNA signal for each cell type. Counts are shown for ova-psDNA, psDNA, and pDNA for DCs (a, b), LECs (c), and FRCs (d).

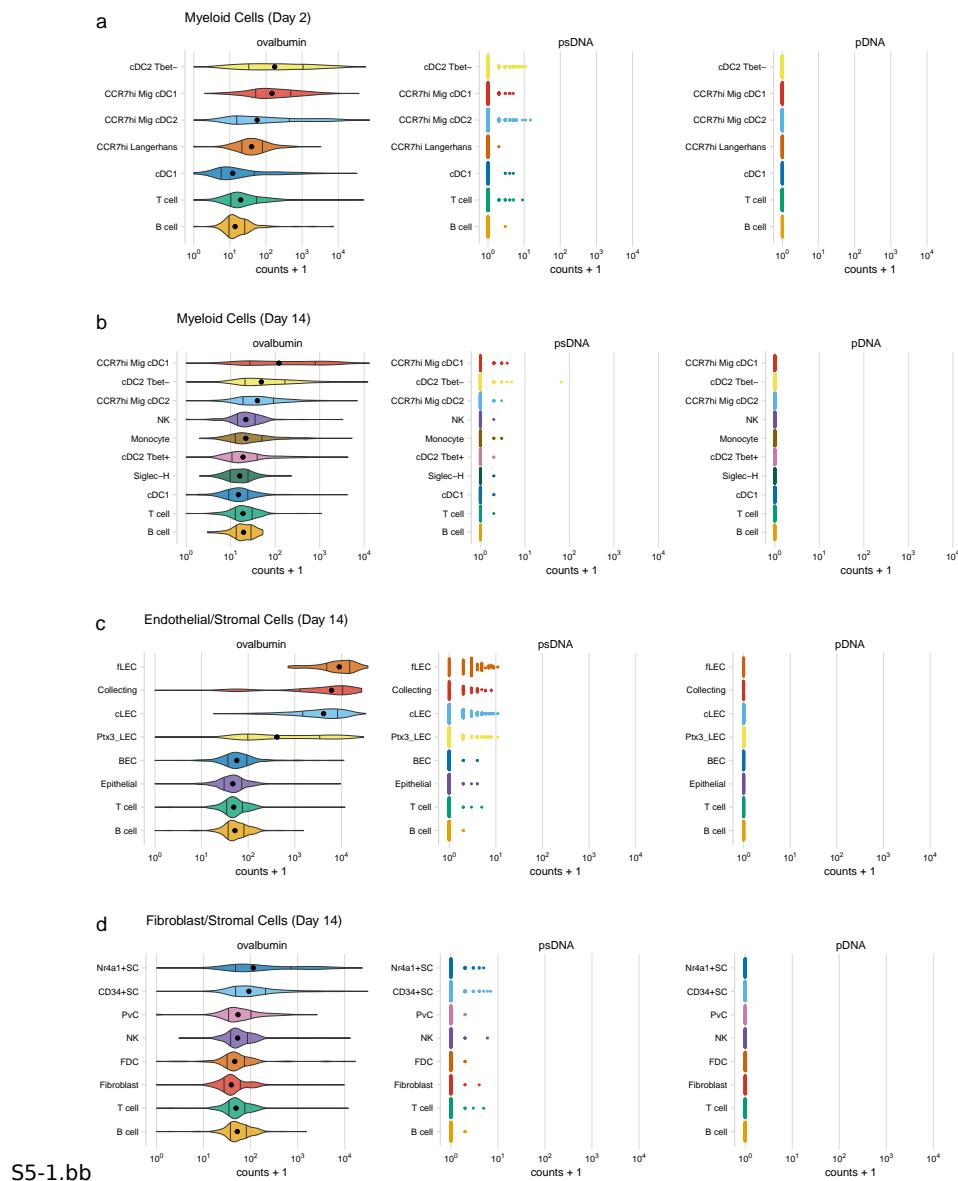


Figure S6

Antigen counts were compared with total mRNA counts for each cell for DCs (a, b), LECs (c, d), and FRCs (e, f).

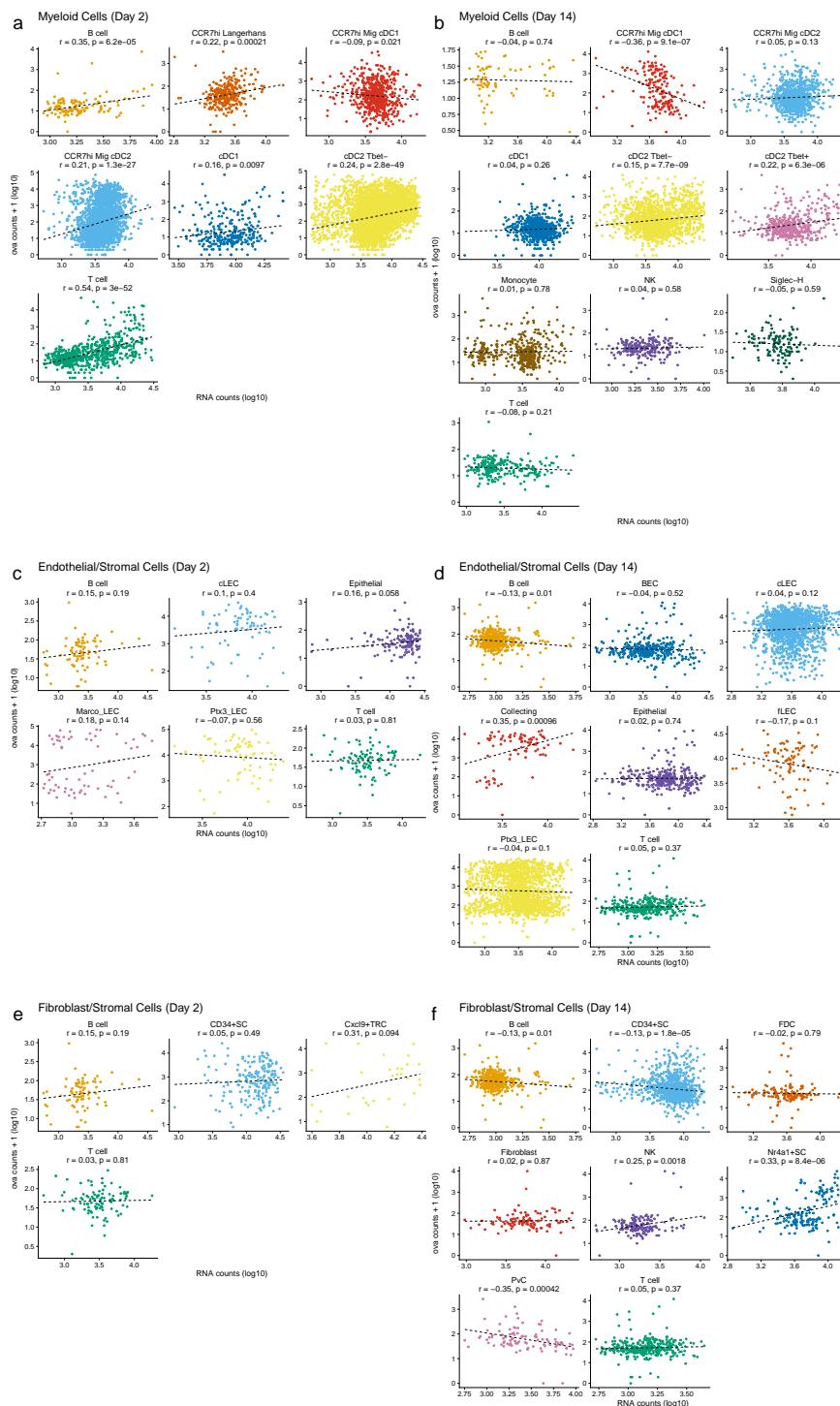


Figure S7

LEC cell types associated with high antigen counts for the day 2 timepoint. (a) A UMAP projection is shown for LEC cell types, epithelial cells, B cells, and T cells identified for the day 2 timepoint. (b) Relative ova signal is shown for each cell type. Relative ova signal was calculated by dividing antigen counts for each cell by the median antigen counts for T and B cells. (c) Antigen counts are displayed on the UMAP projection shown in (a). (d, e) Correlation coefficients are shown comparing each identified LEC cell type with the reference cell types from Xiang et al.

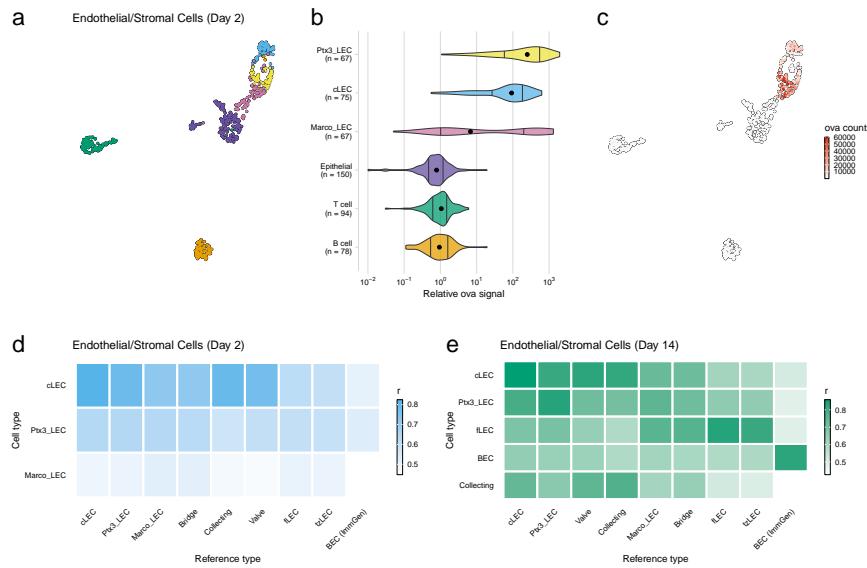


Figure S9

FRC cell types associated with high antigen counts for the day 2 timepoint. (a) A UMAP projection is shown for FRC cell types, B cells, and T cells identified for the day 2 timepoint. (b) Relative ova signal is shown for each cell type. Relative ova signal was calculated by dividing antigen counts for each cell by the median antigen counts for T and B cells. (c) Antigen counts are displayed on the UMAP projection shown in (a).

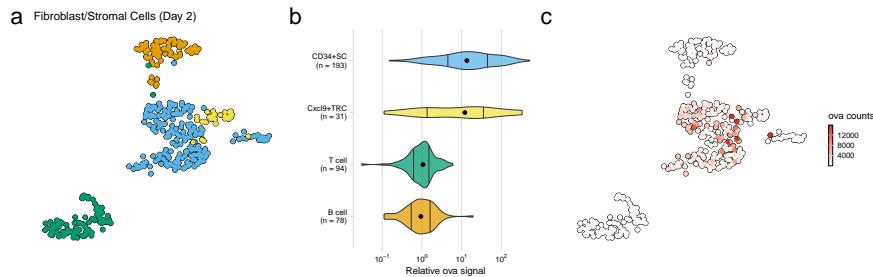


Figure S10

Genes associated with high antigen counts for day 2 and day 14 cDC2 Tbet- cells. (a, d) Day 2 (a) and day 14 (d) cDC2 Tbet- cells containing low and high antigen counts were identified using a gaussian mixture model. A UMAP projection is shown for ova-low and ova-high cells. Cell types not included in the comparison are shown in white (Other). (b, e) The distribution of ova antigen counts is shown for ova-low and ova-high cDC2 Tbet- cells. Dotted lines indicate the mean counts for each population. (c, f) UMAP projections show the expression of top markers associated with ova-high cDC2 Tbet- cells.

