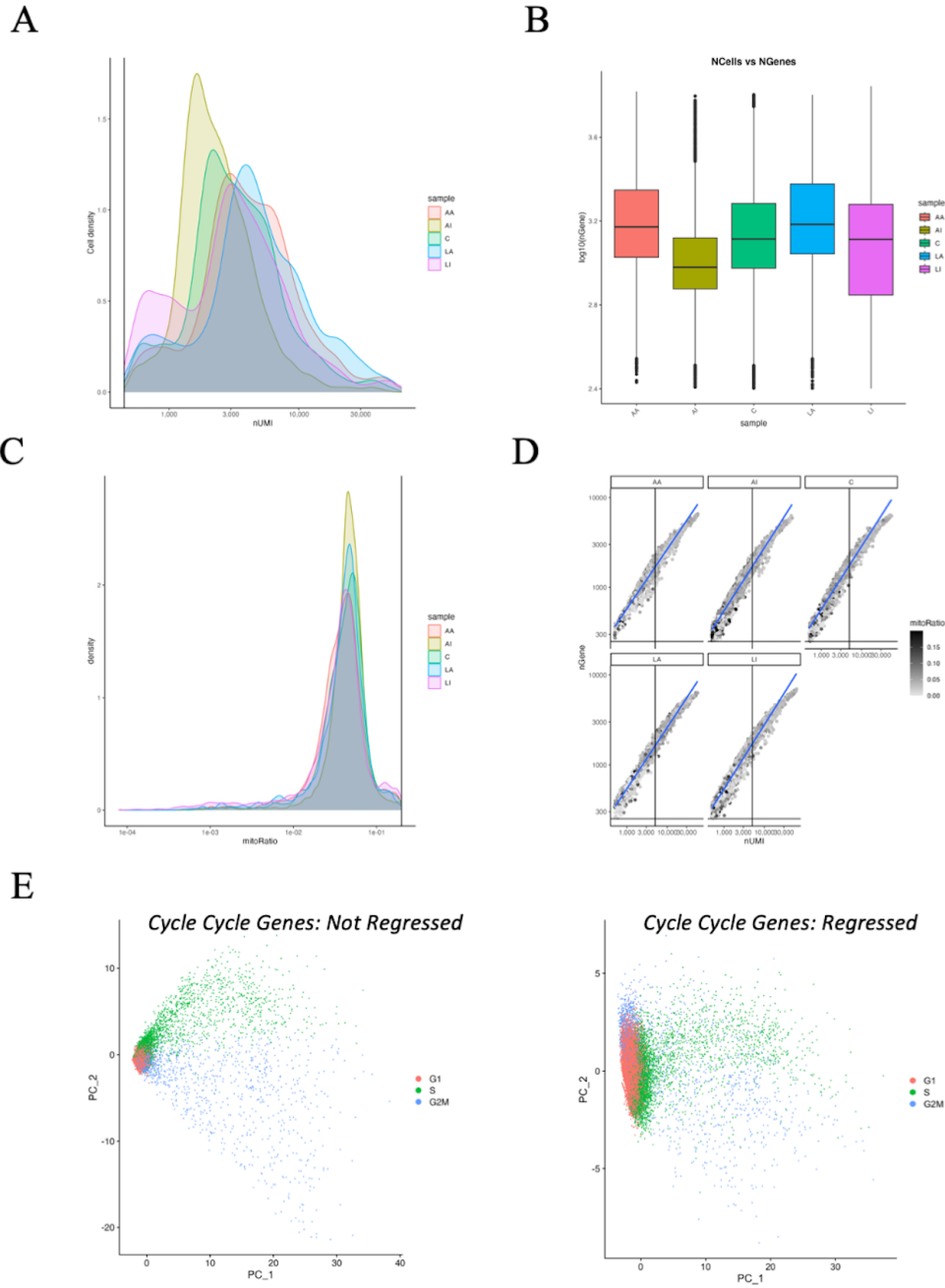
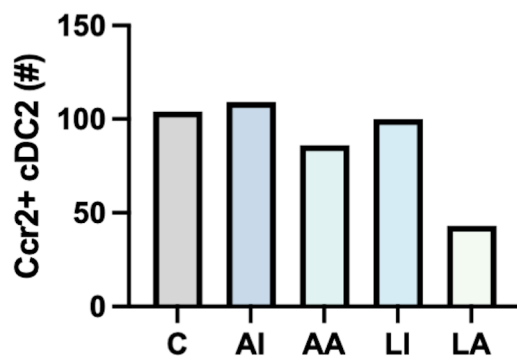


Supplemental Figure 1. Infused splenic cells are largely depleted from recipient spleens after 48 hours
 PKH-membrane labeled cells from full splenic extract were injected (IV) into recipients, recipient spleens harvested at annotated time points, and subjected to flow cytometry. Percentage of PKH positive cells among live single cells is shown in bar graph and representative flow plots

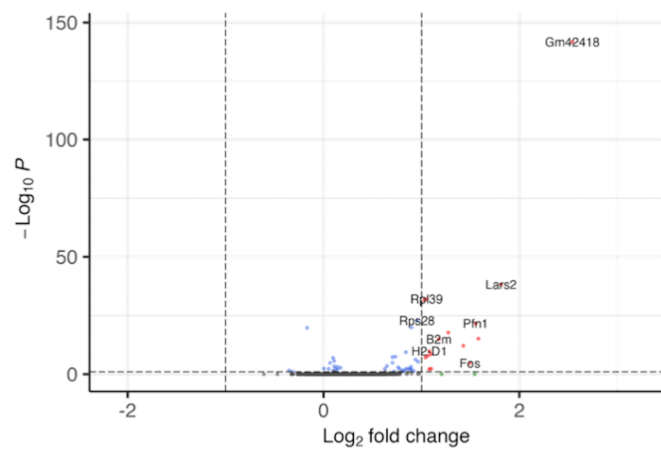


Supplemental Figure 2. Quality control metrics of computationally filtered single cells for downstream single cell sequencing analysis (A) Unique molecular identifiers (UMI), or transcript counts identified per cell. Filter threshold: UMI/cell ≥ 500 . (B) Boxplot of distinct genes detected per cell. Filter threshold: gene count/cell ≥ 250 . (C) Distribution of mitochondrial gene expression per cell expressed as mitochondrial counts ratio. Filter threshold: mitoRatio < 0.20 (D) Visualization of the number of genes versus the number of UMI detected per cell, colored by the fraction of mitochondrial reads. Poor quality cells (low gene and UMI number) were removed. Filter threshold: log of gene number/UMI number > 0.80 . (E) Cells cluster by expression of cell cycle genes (left). To remove this source of variability while maintaining gene expression related to active cell division, cell cycle genes were regressed and decreased separation by cell-cycle phase is observed (right).

A



B Ccr2+ cDC2 C vs LI



Supplemental Figure 3. Additional analysis of *Ccr2*+ cDC2 cluster across experimental conditions
(A) Number of *Ccr2*+ cDC2 cells analyzed in scSEQ dataset after quality control across conditions (B) Volcano plot displaying differentially expressed genes of *Ccr2* cDC2 cluster following LI infusion compared to control

Table S1
Antibodies for Flow Cytometry

Antigen	Supplier	Clone	Fluorophore
CCR2	BioLegend	SA203G11	FITC
CD11c	BioLegend	N418	PE-CF594
CD40	BioLegend	3/23	PE/Cy5
CD45.1	BioLegend	A20	PE
CD80	BioLegend	16-10A1	BV711
CD86	BioLegend	GL-1	APC/Cy7
CD172	BioLegend	P84	PE/Cy7
IL12	BioLegend	C15.6	PerCP/Cy5.5
Live/Dead	BioLegend	- - -	Zombie Aqua
MHCII	BioLegend	M5/114.15.2	BV421
PIR A/B	Novus Biologicals	404127	AF700
PIR B	Novus Biologicals	326414	APC
XCR1	BioLegend	ZET	BV650