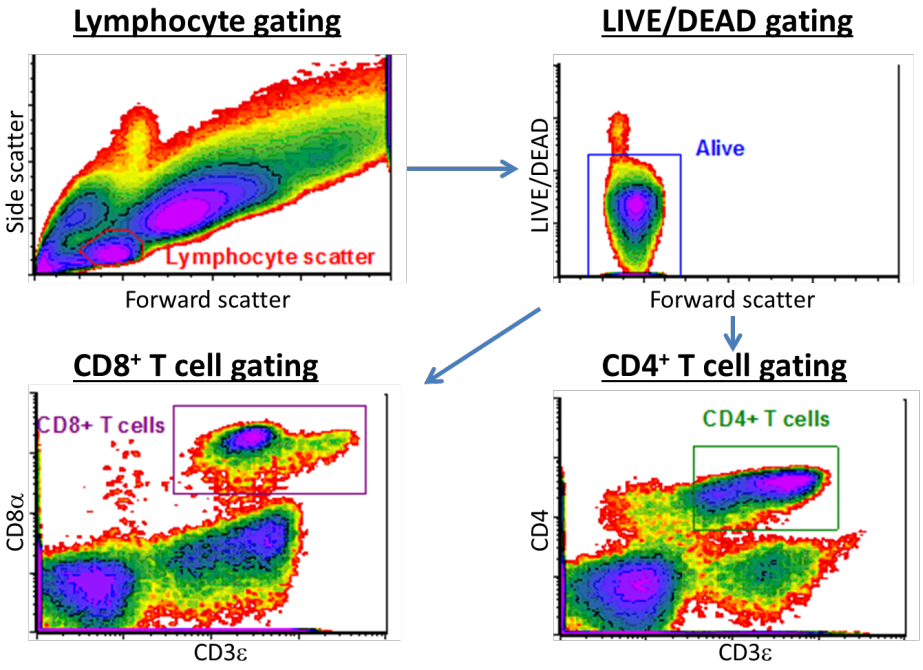
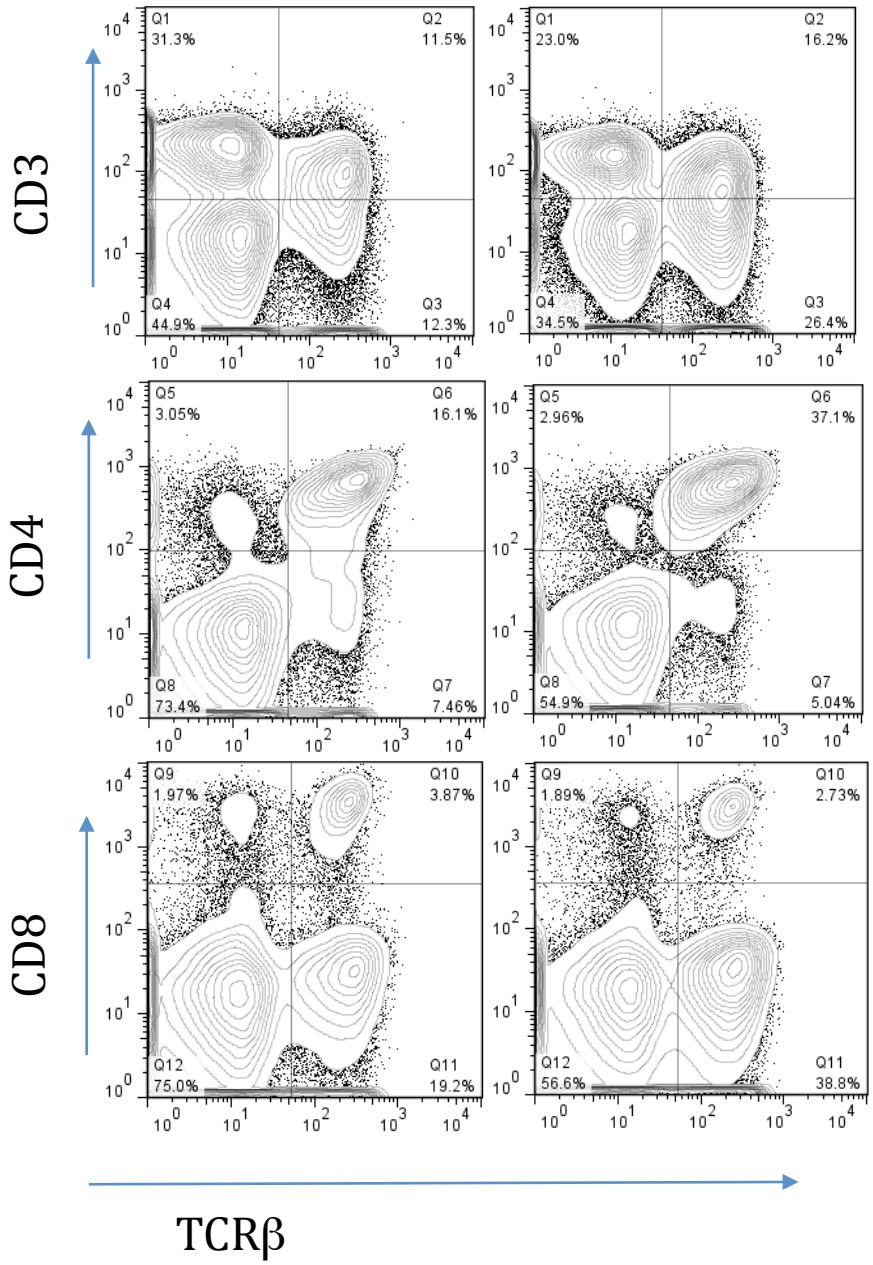
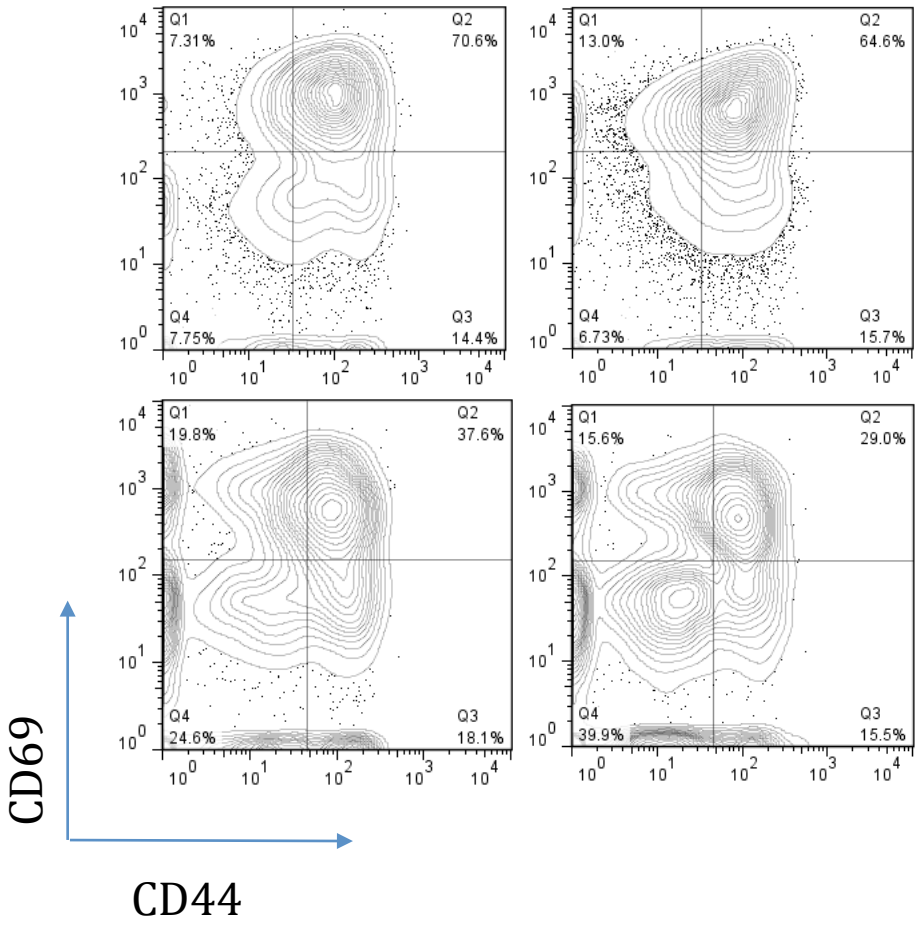
S1A.


Lymphocyte gating
Side scatter
Lymphocyte scatter
Forward scatter
LIVE/DEAD gating
LIVE/DEAD
Alive
Forward scatter
CD8⁺ T cell gating
CD8+ T cells
CD8α
CD3ε
CD4⁺ T cell gating
CD4+ T cells
CD4
CD3ε

S1B. Uninfected Day 7



S1C. Uninfected Day 7

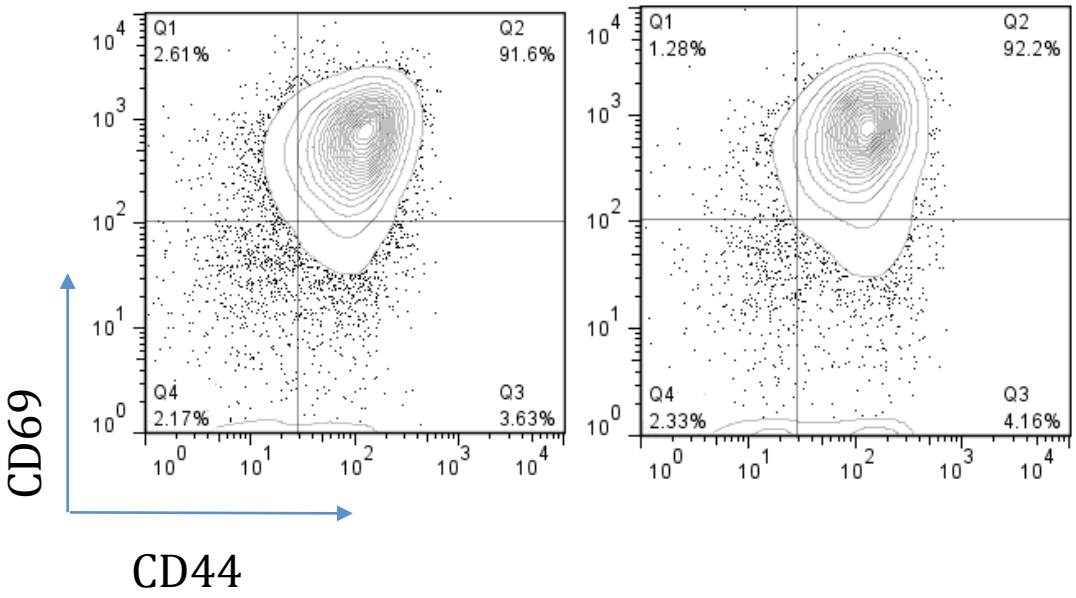


LP αβ CD4⁺ T Cells

LP αβ CD8⁺ T Cells

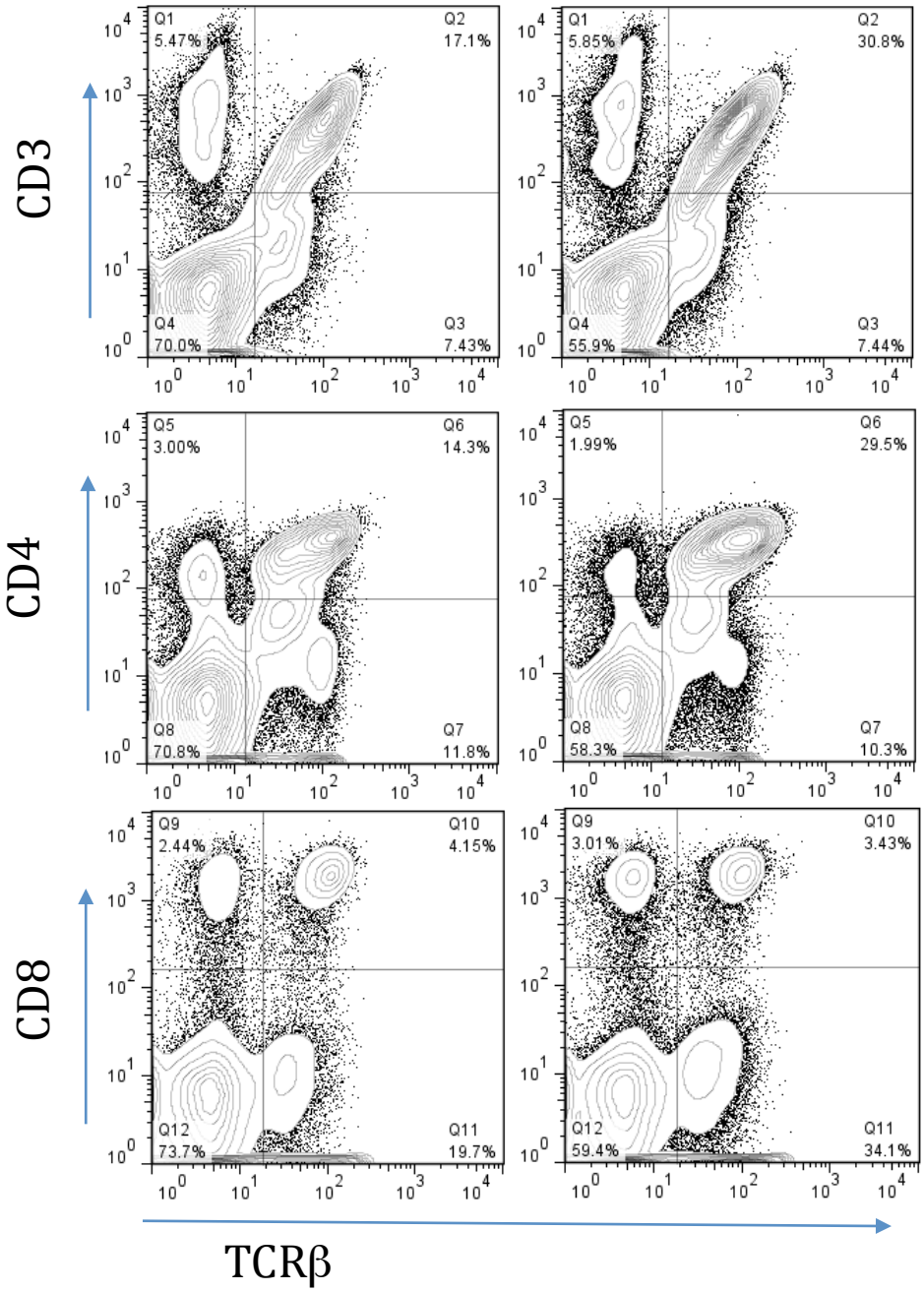
γδ T cells

S1D. Uninfected Day 7



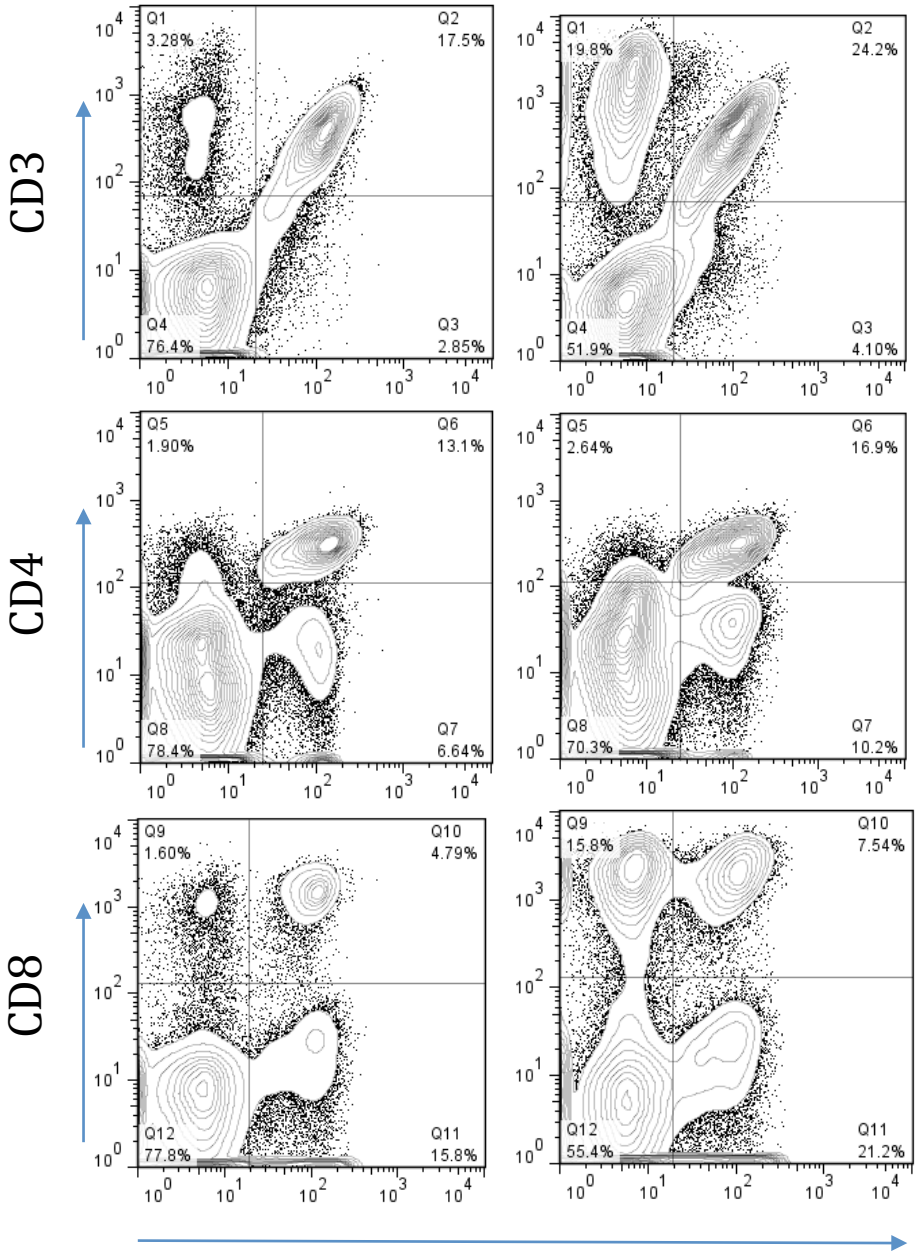
Supplemental Figure 1. Gating strategy and repeat of T cell analysis from uninfected and 7-day infected C57BL/6J mice that received autoclaved drinking water without antibiotics. Lamina propria from four mice per group were pooled and lymphocytes isolated as described in Materials & Methods. Cells were stained with the indicated antibodies. In all experiments and shown in A, cells isolated from percoll gradients were gated based on forward and size scatter, then on cell viability, and finally using specific antibodies. In B, total T cells, CD4 and CD8 populations are shown as proportions of all viable cells. In C, expression of the activation markers CD44 and CD69 are shown on gated populations of $CD4^+$ and $CD8^+$, $Tcr\beta^+$ T cells. In D, expression of the activation markers CD44 and CD69 are shown on gated populations of total γδ ($CD3^+Tcr\beta^-$) T cells.

S2A. Uninfected Day 7



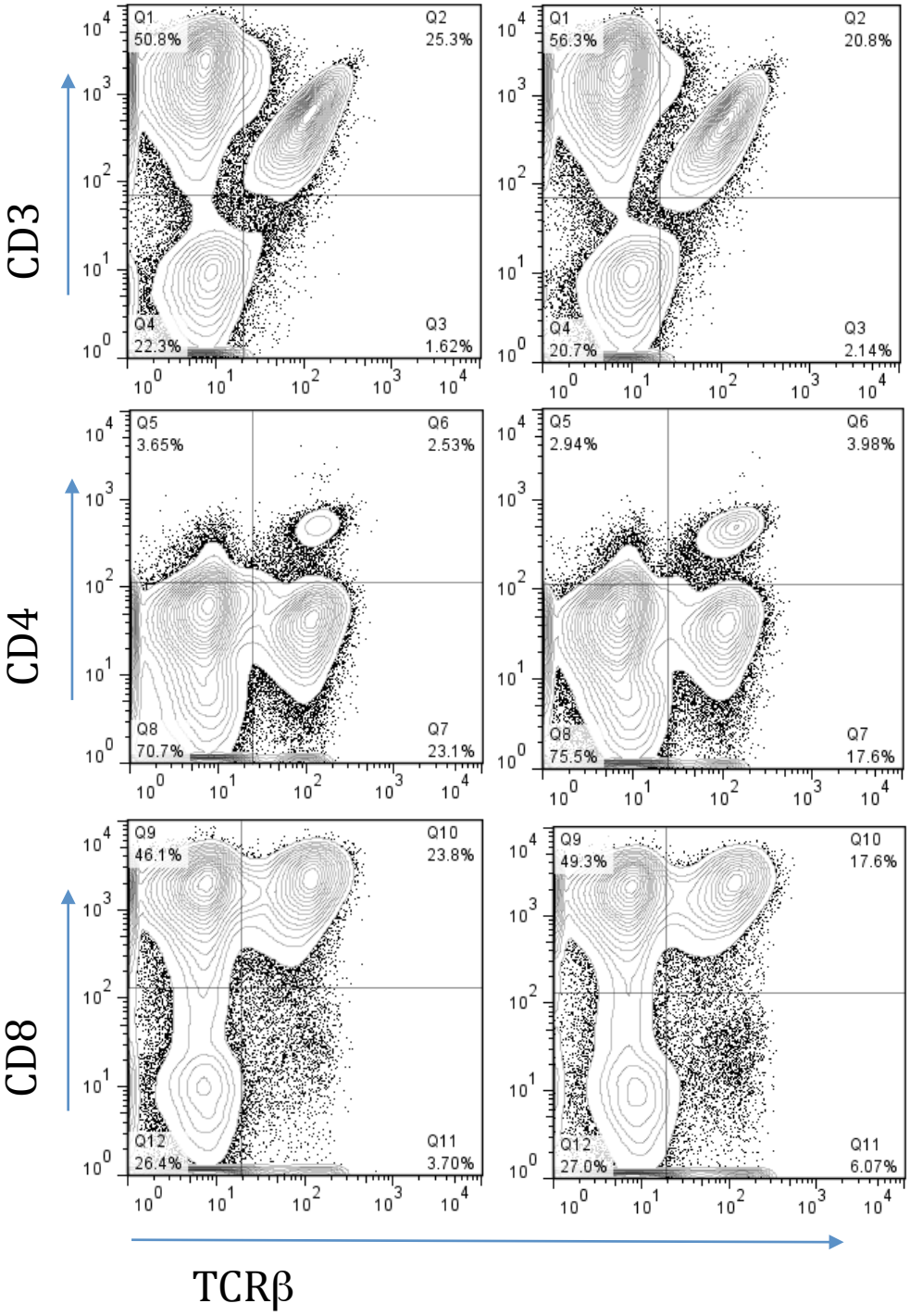
LP

S2B. Uninfected Day 7

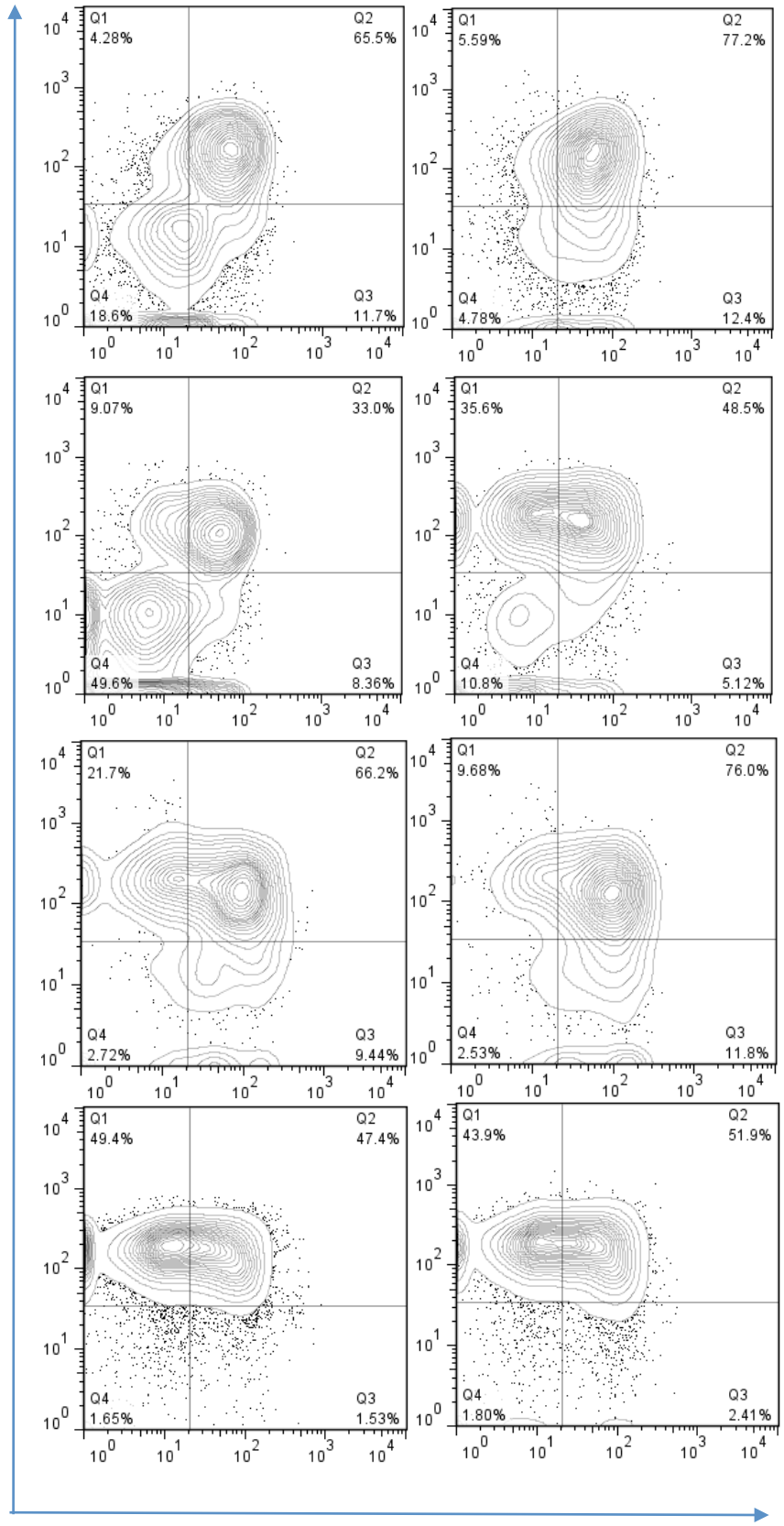


IEL

S2C. Uninfected Day 7



S2D. Uninfected Day 7



LP CD4+ T cells

LP CD8+ T cells

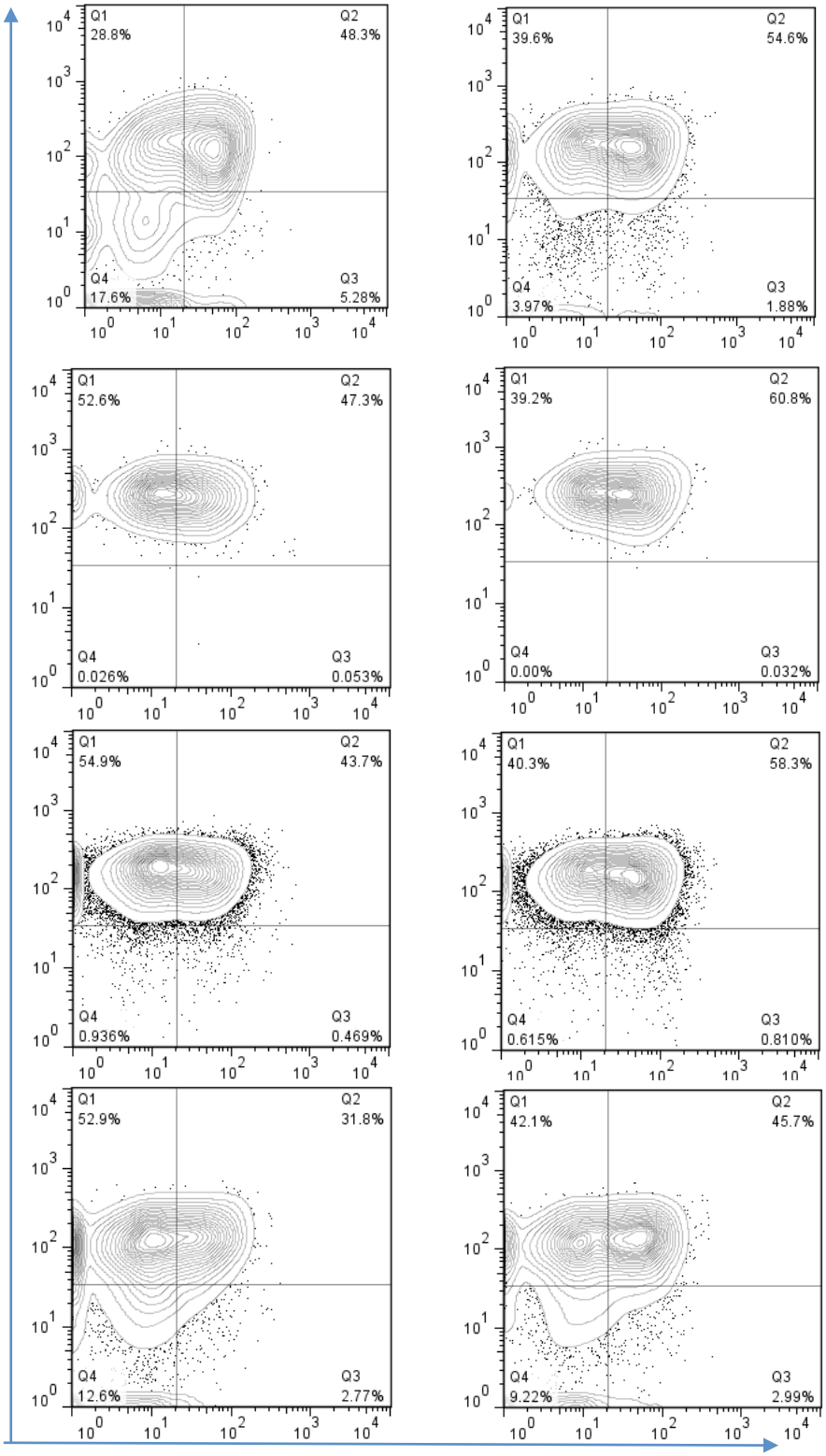
IEL CD4+ T cells

IEL CD8+ T cells

CD69

CD44

S2E. Uninfected Day 7



Total LP
γδ T cells

$CD4^{+}CD8^{+}$

γδ IEL T cells

$CD4^{-}CD8^{+}$

γδ IEL T cells

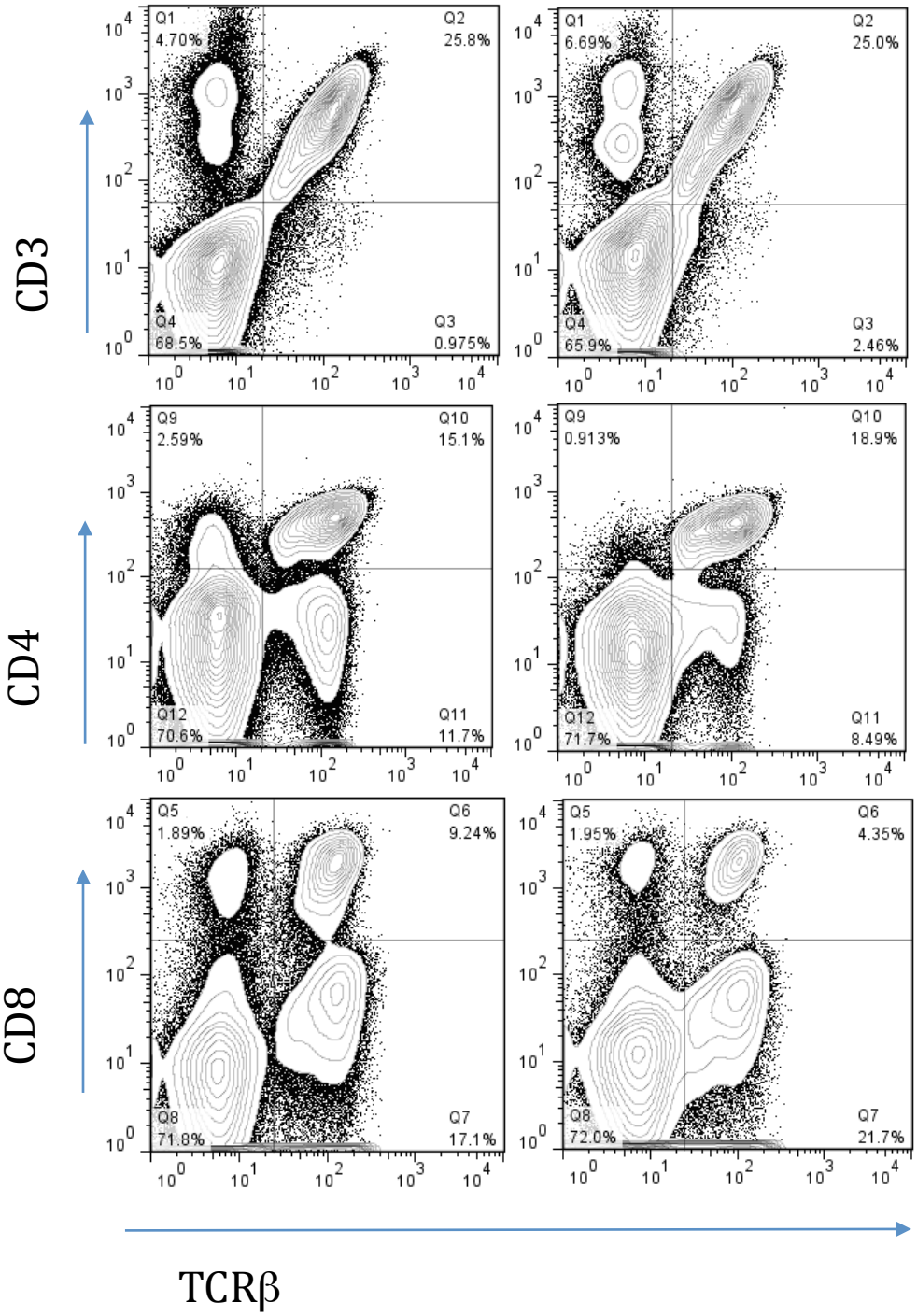
$CD4^{-}CD8^{-}$

γδ IEL T cells

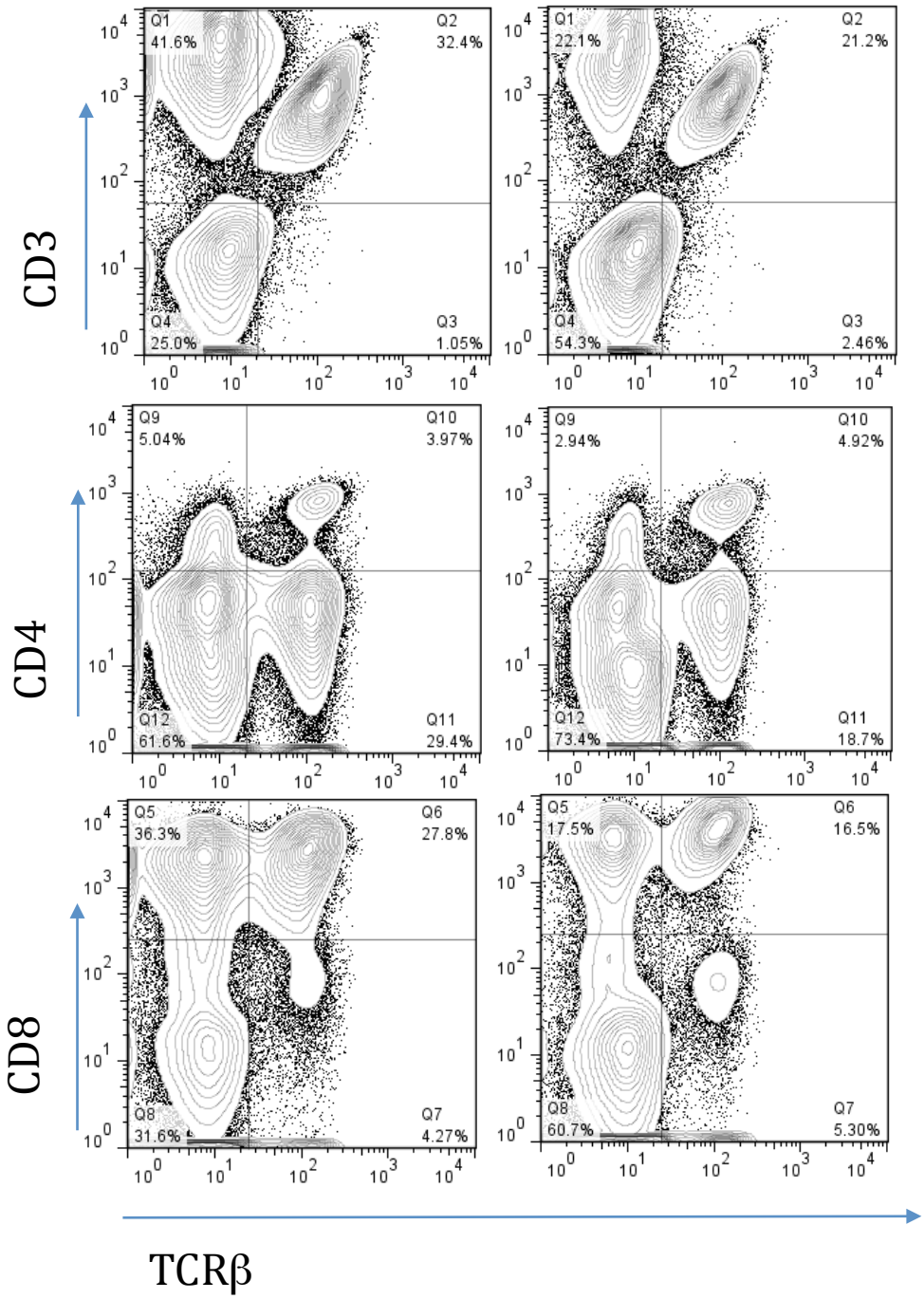
Supplemental Figure 2. Repeat of T cell analysis from uninfected and 7-day infected C57BL/6J mice that received drinking water supplemented with antibiotics. Lamina propria and intraepithelial lymphocytes were pooled and isolated from four mice per group as described in Materials & Methods. Cells were stained with the indicated antibodies. In A and B, total T cells, CD4 and CD8 populations are shown as proportions of all viable LP cells. In C, total T cells, CD4 and CD8 populations are shown as proportions of all viable IEL cells. In D, expression of the activation markers CD44 and CD69 are shown on gated populations of $CD4^+$ and $CD8^+$ $Tcr\beta^+$ T cells from both LP and IEL. In E, expression of the activation markers CD44 and CD69 are shown on gated populations of total LP γδ ($CD3^+Tcr\beta^-$) T cells and on IEL γδ T cells gated based on expression of CD4 and CD8α.

LP

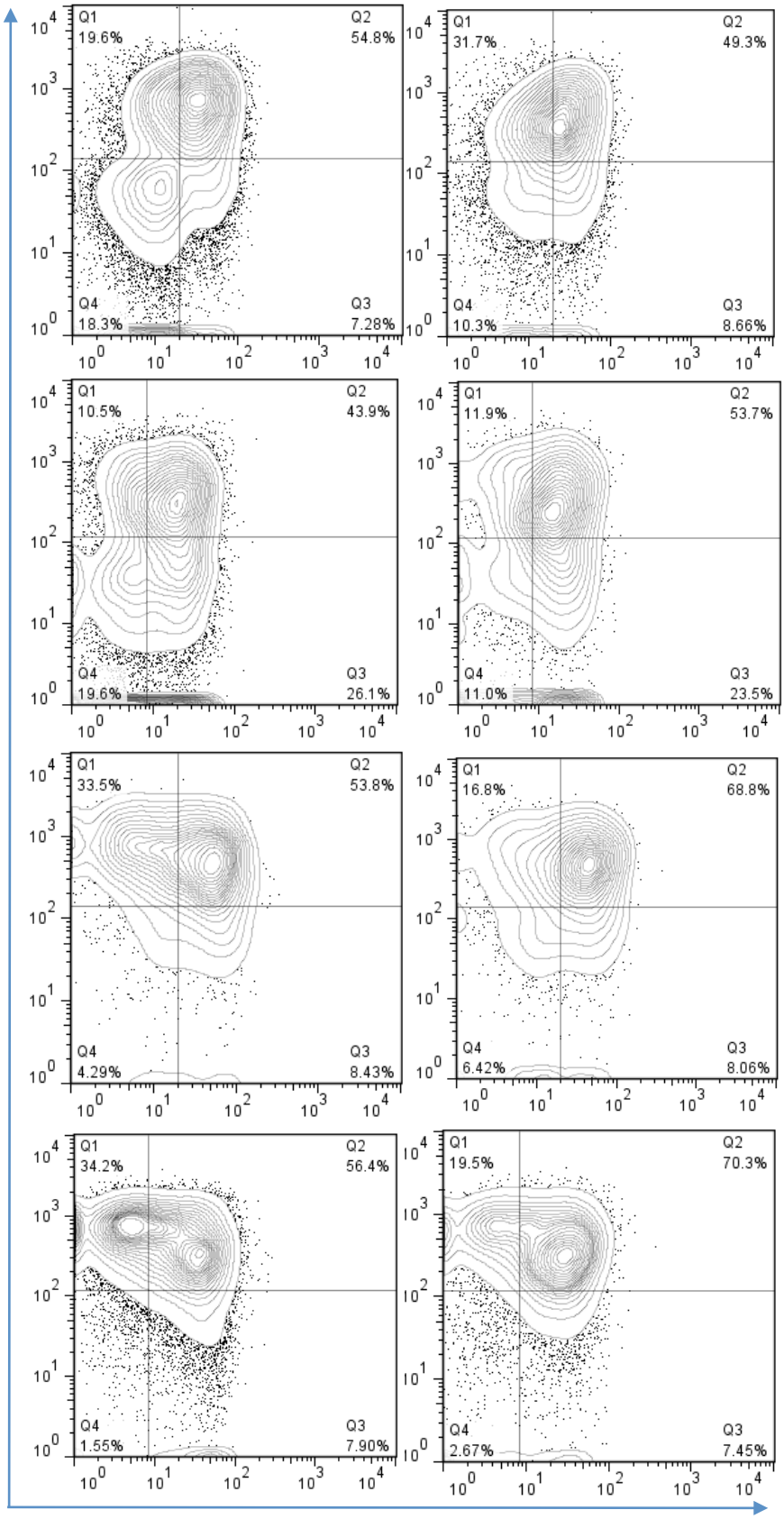
S3A. Uninfected Day 7



S3B. Uninfected IEL Day 7



S3C. Uninfected Day 7



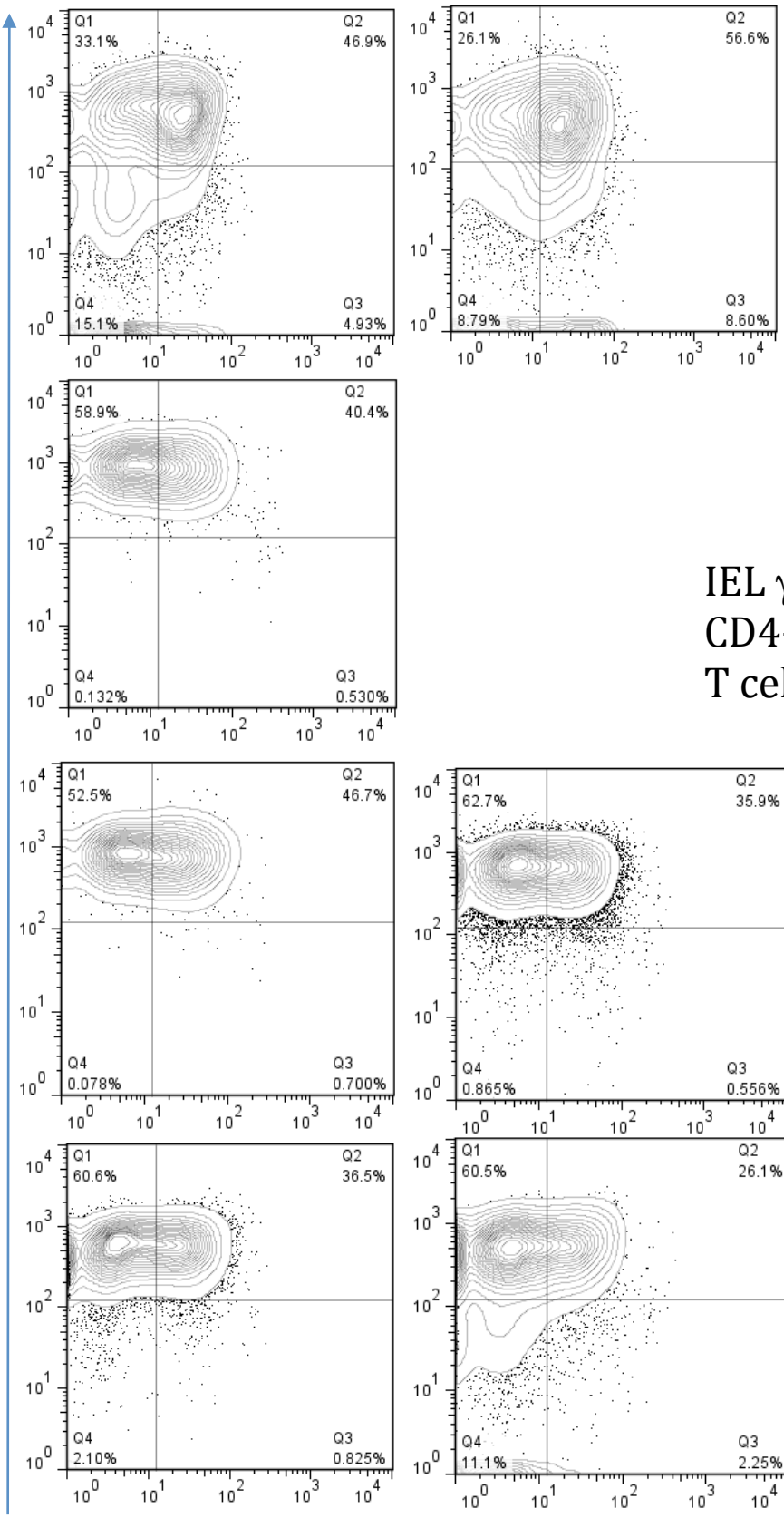
LP CD4+ cells

LP CD8+ cells

IEL CD4+ cells

IEL CD8+ cells

S3D. Uninfected Day 7

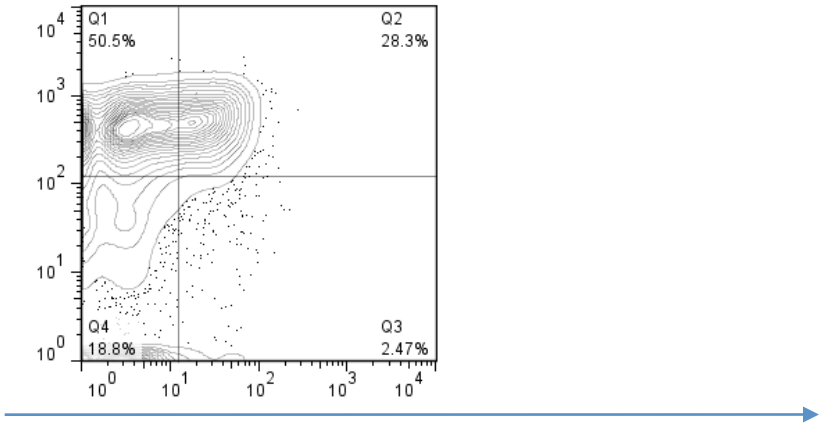


Total LP
γδ T cells

IEL γδ
CD4+CD8+
T cells

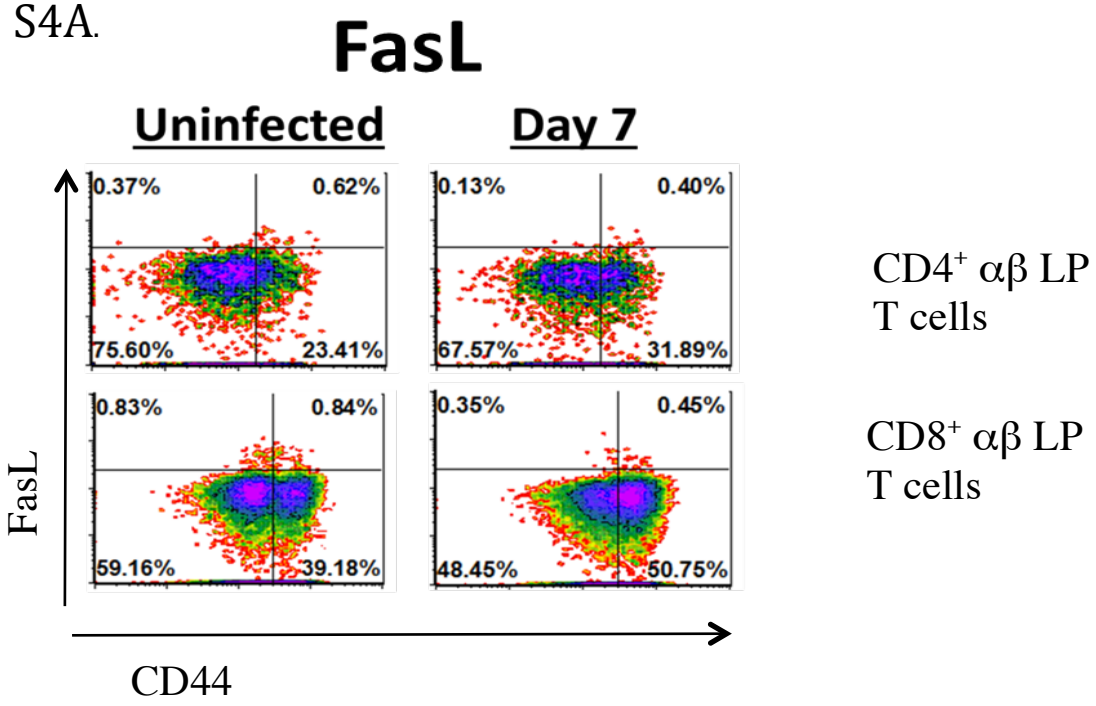
IEL γδ
CD4-CD8+
T cells

IEL γδ
CD4-CD8-
T cells

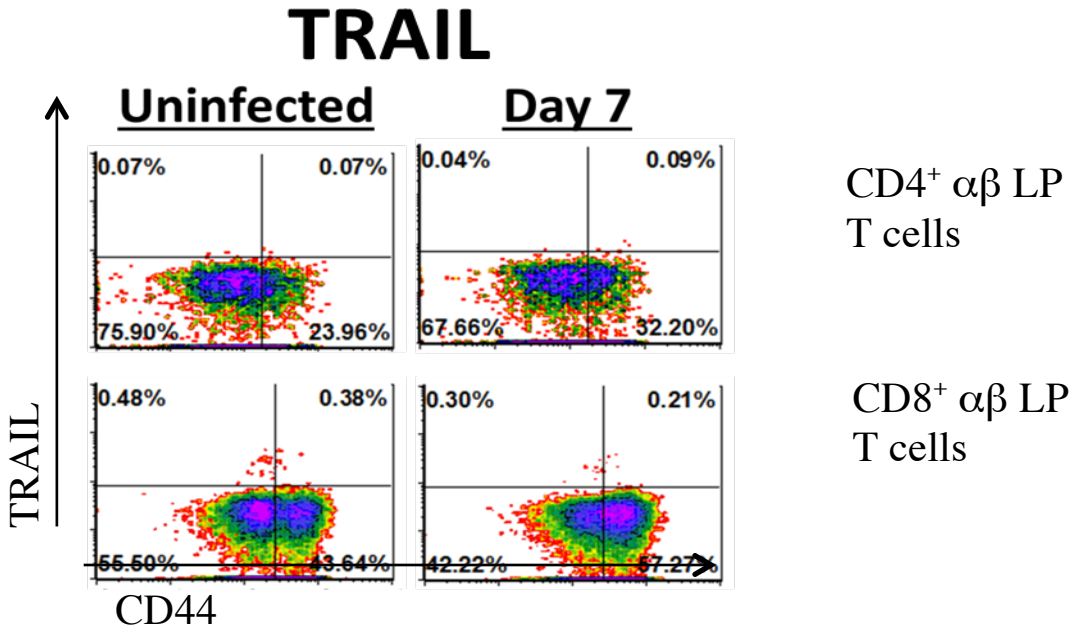

Q1
50.5%
Q2
28.3%
Q4
18.8%
Q3
2.47%
10^0
10^1
10^2
10^3
10^4
CD44

Supplemental Figure 3. Repeat of T cell analysis from uninfected and 7-day infected C57BL/6J mice who received drinking water supplemented with antibiotics. Lamina propria and intraepithelial lymphocytes were pooled and isolated from four mice per group as described in Materials & Methods. Cells were stained with the indicated antibodies. In A, total T cells, CD4 and CD8 populations are shown as proportions of all viable LP cells. In B, total T cells, CD4 and CD8 populations are shown as proportions of all viable IEL cells. In C, expression of the activation markers CD44 and CD69 are shown on gated populations of CD4+ and CD8+ Tcrβ^+ T cells from both LP and IEL. In D, expression of the activation markers CD44 and CD69 are shown on gated populations of total LP $\gamma\delta$ ($CD3^+Tcr\beta^-$) T cells and on IEL $\gamma\delta$ T cells gated based on expression of CD4 and CD8α.

S4A.



S4B.



Supplemental Figure 4. Lamina propria lymphocytes were isolated from day 7 infected C57BL/6J mice as described in material and methods. Small intestines from four mice were pooled for each group. Expression of CD44 and FasL (A) or TRAIL (B) are shown for live cells gated as $CD3^+$, $Tcr\beta^+$, and either $CD4^+$ or $CD8^+$as indicated.