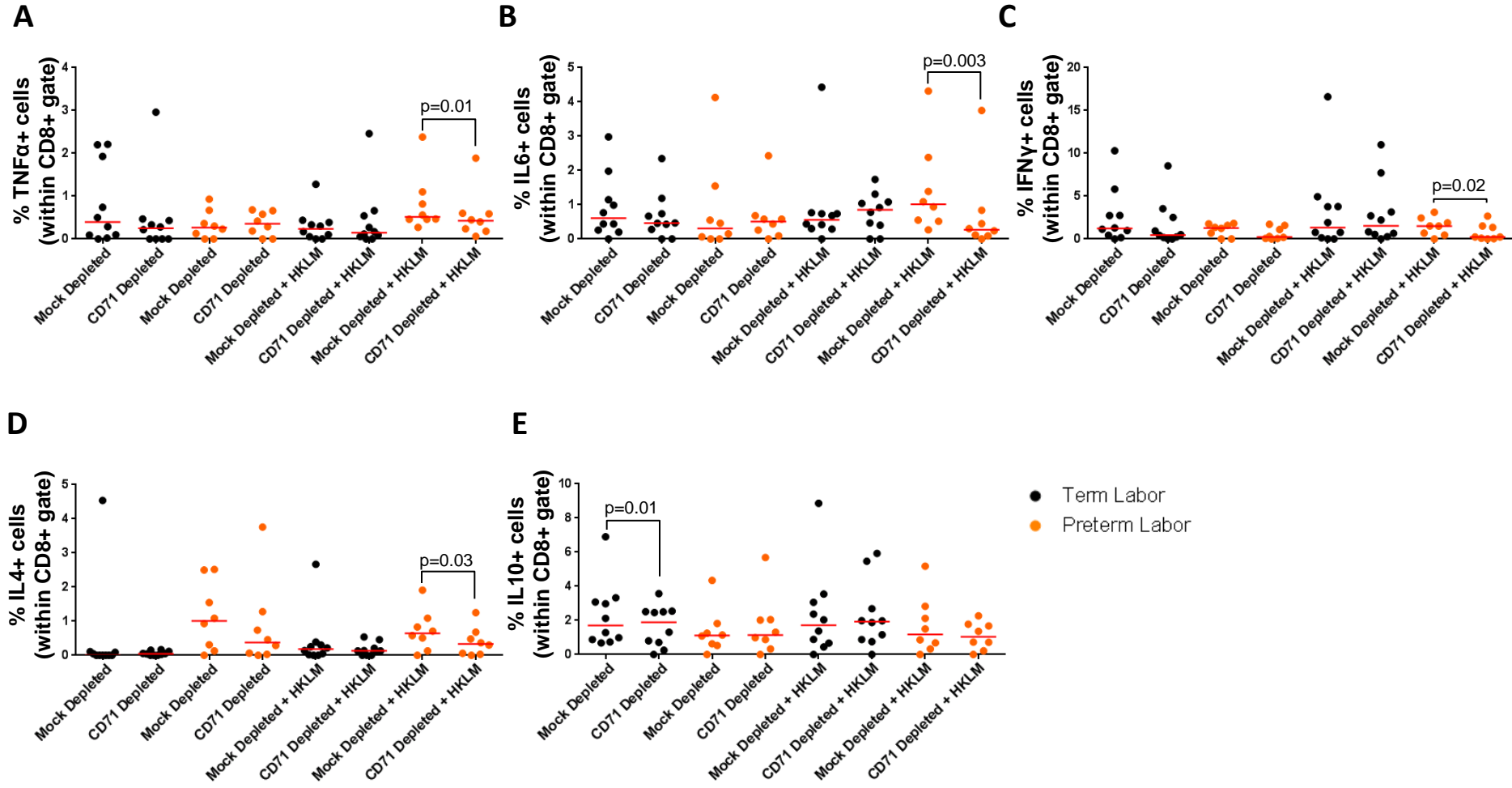


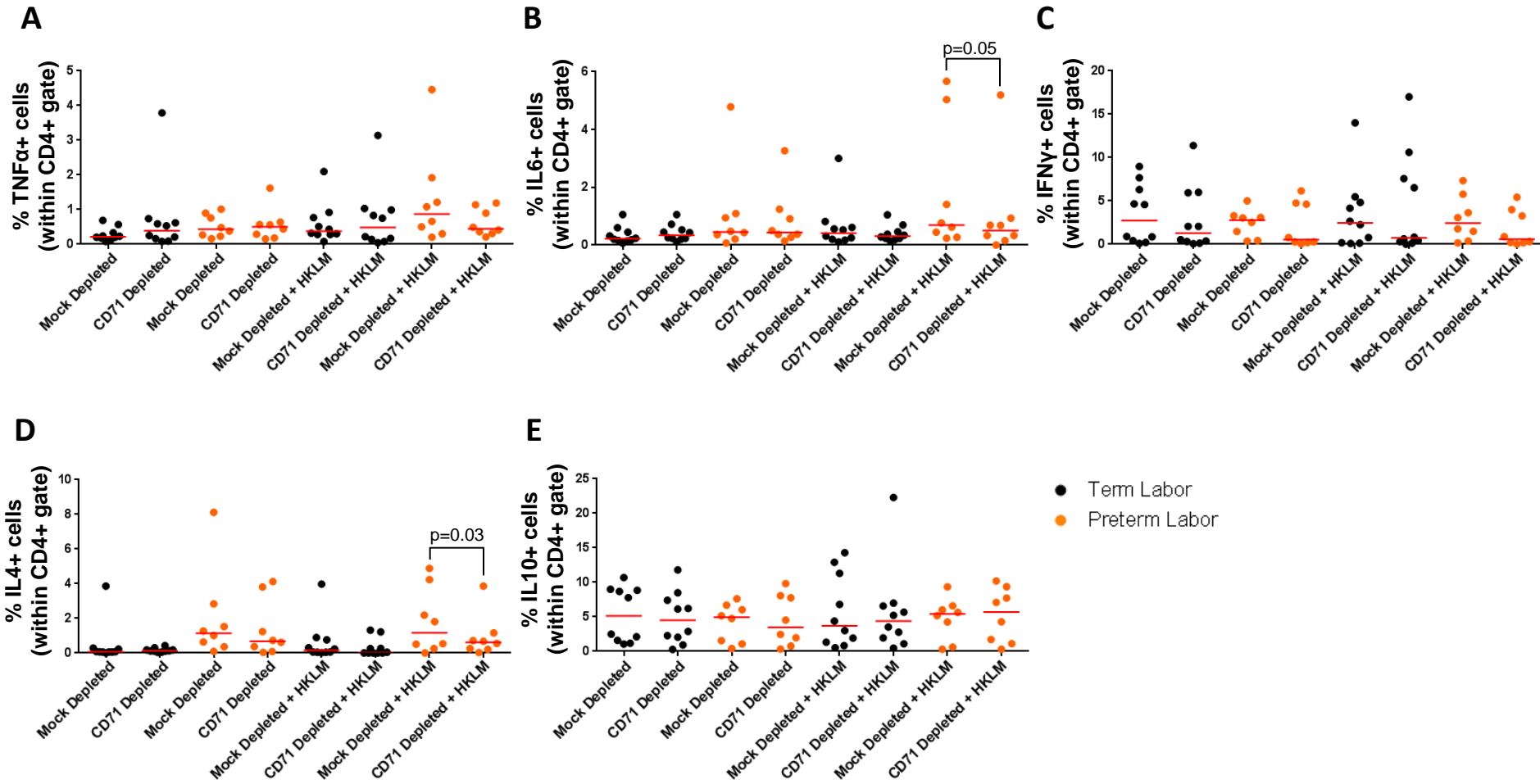
**Supplementary Figure 1:** Depletion of neonatal CD71+ erythroid cells does not reduce the number of CD3+ T cells. Numbers of neonatal CD3+ T cells in cord blood mononuclear cells before or after magnetic depletion of CD71+erythroid cells. n = 6 cord blood samples.

	PTNL vs TNL	PTNL vs TIL	PTNL vs PTL	PTL vs TNL	PTL vs TIL	TIL vs TNL
<b><i>Cxcl5</i></b>	<b>p=0.001 q=0.02</b>	<b>p&lt;0.001 q=0.01</b>	p=0.005 q=0.13	p=0.5 q=0.7	p=0.4 q=0.9	p=0.8 q=0.9
<b><i>Ccl5</i></b>	<b>p=0.001 q=0.02</b>	<b>p=0.01 q=0.08</b>	p=0.02 q=0.23	p=0.2 q=0.7	p=0.6 q=0.9	p=0.5 q=0.9
<b><i>Cxcr2</i></b>	<b>p=0.009 q=0.02</b>	<b>p=0.01 q=0.11</b>	p=0.07 q=0.23	p=0.3 q=0.7	p=0.4 q=0.9	p=0.7 q=0.9
<b><i>Tgfb1</i></b>	<b>p=0.002 q=0.06</b>	<b>p=0.008 q=0.08</b>	p=0.01 q=0.44	p=0.4 q=0.7	p=0.7 q=0.9	p=0.6 q=0.9

**Supplementary Figure 2:** Differentially regulated genes in neonatal CD71+ erythroid cells. Table illustrating comparisons between study groups for mRNA expression of *Cxcl5*, *Ccl5*, *Cxcr2*, and *Tgfb1*. PTNL = preterm without labor, PTL = spontaneous preterm labor, TNL = term without labor, TIL = spontaneous term labor. P = p-value, q = p-value adjusted for multiple comparisons. n = 8-10 each group.



**Supplementary Figure 3:** PTL-derived neonatal CD71+ erythroid cells alter the frequency of cytokine-expressing neonatal CD8+ T cells. Frequencies of CD8+ T cells expressing (A) TNF $\alpha$ , (B) IL-6, (C) IFN $\gamma$ , (D) IL-4, and (E) IL-10. Cord blood mononuclear cells were CD71-depleted or mock-depleted. Orange dots represent neonatal T cells from preterm labor-derived cord blood samples and black dots represent neonatal T cells from term labor-derived cord blood samples. n = 8-10 each.



**Supplementary Figure 4:** PTL-derived neonatal CD71+ erythroid cells alter the frequency of cytokine-expressing neonatal CD4+ T cells. Frequencies of CD4+ T cells expressing (A) TNF $\alpha$ , (B) IL6, (C) IFN, (D) IL4, and (E) IL10. Cord blood mononuclear cells were CD71-depleted or mock-depleted. Orange dots represent neonatal T cells from preterm labor-derived cord blood samples and black dots represent neonatal T cells from term labor-derived cord blood samples. n = 8-10 each.