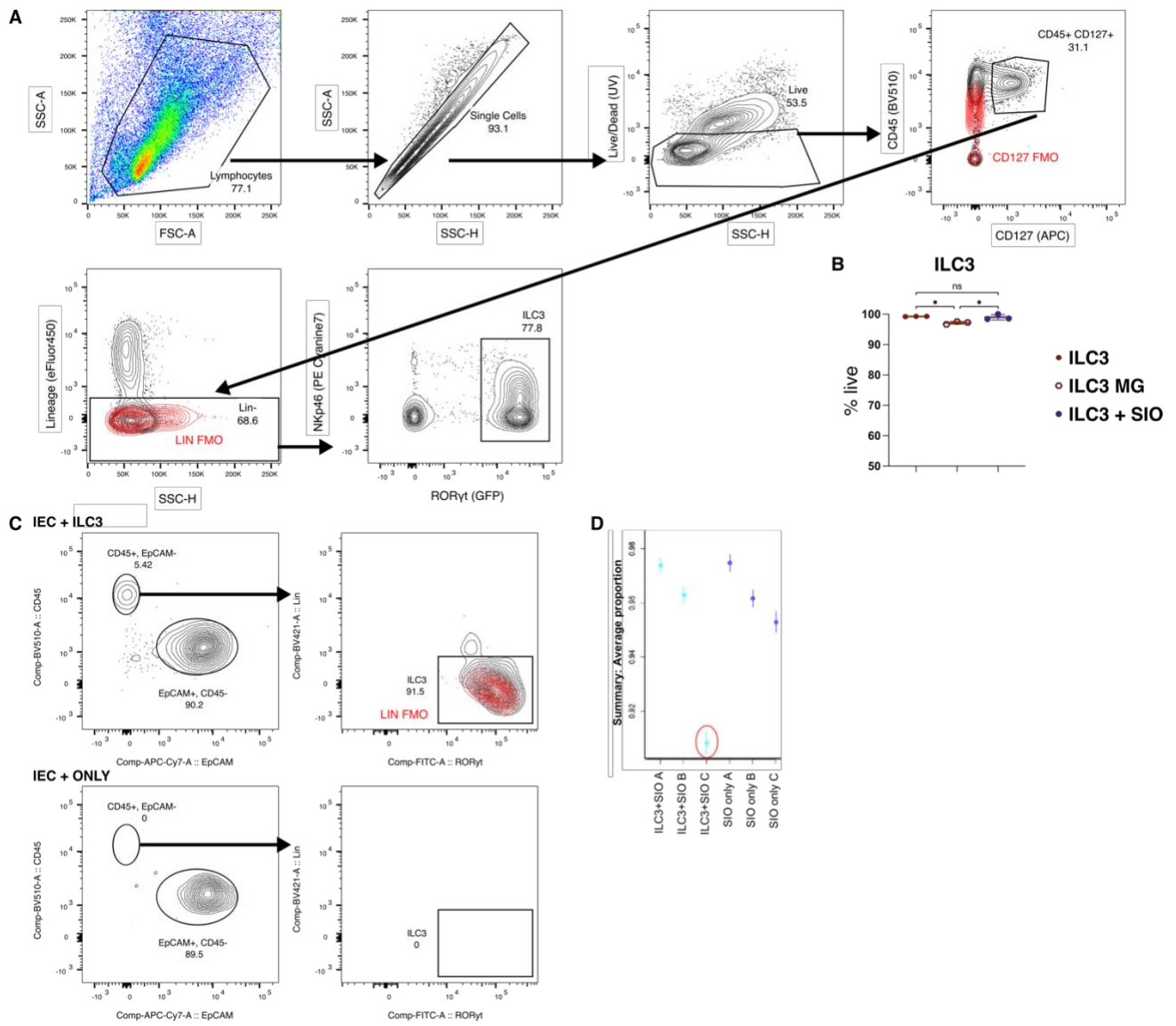


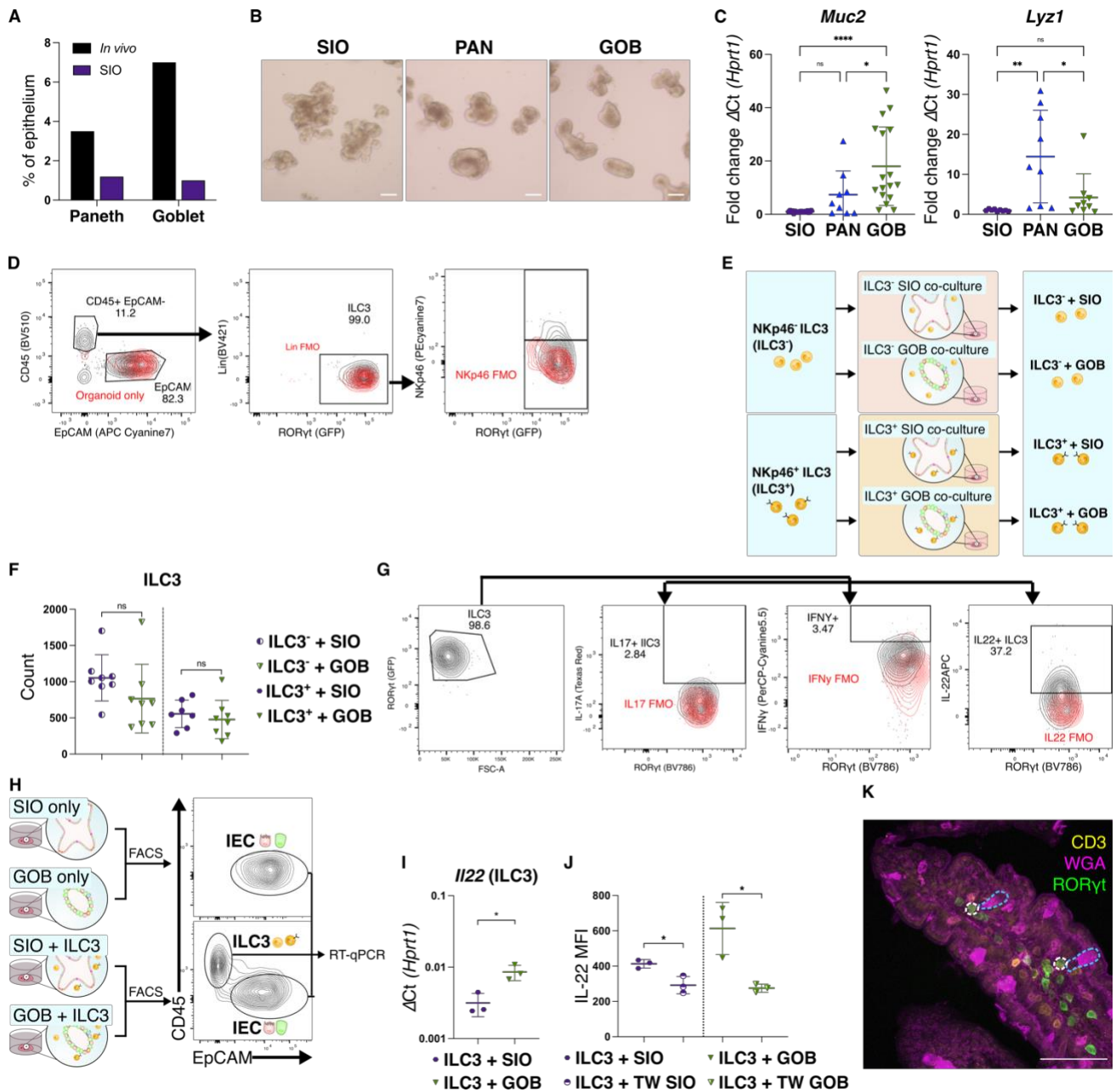
SUPPLEMENTAL FIGURES

Species	Gene	Forward primer (5'-3')	Reverse primer (5'-3')
Mouse (used for SYBR green amplification)	<i>Hprt1</i>	TGGATACAGGCCAGACTTTGTT	CAGATTCAACTTGCGCTCATC
	<i>Gapdh</i>	TGTGTCCGTCGTGGATCTGA	TTGCTGTTGAAGTCGCAGGAG
	<i>Muc2</i>	ATGCCACCTCCTCAAAGAC	GTAGTTTCCGTTGGAACAGTGAA
	<i>Lyz1</i>	GAGACCGAAGCACCGACTATG	CGGTTTTGACATTGTGTTTCGC
	<i>Dll1</i>	TGGCGCAGGCATCGA	GGCGGCTGATGAGTCTTTCT
	<i>Dll4</i>	TGTCTCCACGCCGGTATTG	AGGTCGTCTCCCGGTGTGT
	<i>Reg3g</i>	ATGCTTCCCCGTATAACCATCA	ACTTCACCTTGACACTGAGAA
	<i>Atoh1</i>	AGATCTACATCAACGCTCTGTC	ACTGGCCTCATCAGAGTCACTG
	<i>Fut2</i>	ACCTCCAGCAACGAATAGTGA	GCCGATGGAATTGATCGTGAA
<i>Tff3</i>	TTGCTGGGTCTCTGGGATAG	TACACTGCTCCGATGTGACAG	
Mouse (used for TAQ polymerase amplification)	Gene	Probe identifier	Source
	<i>Il22</i>	Mm01226722	ThermoFisher
	<i>Gapdh</i>	Mm99999915	

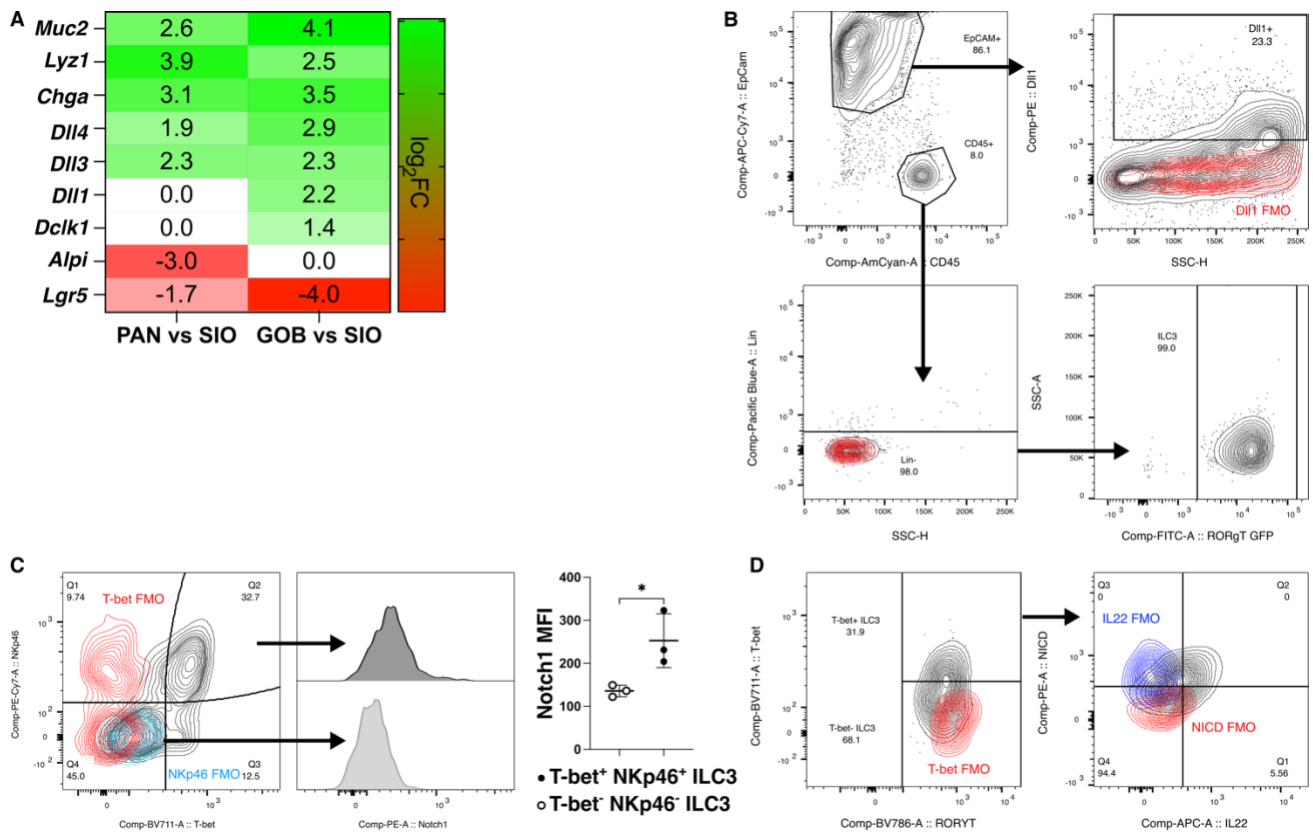
Supplementary table 1.



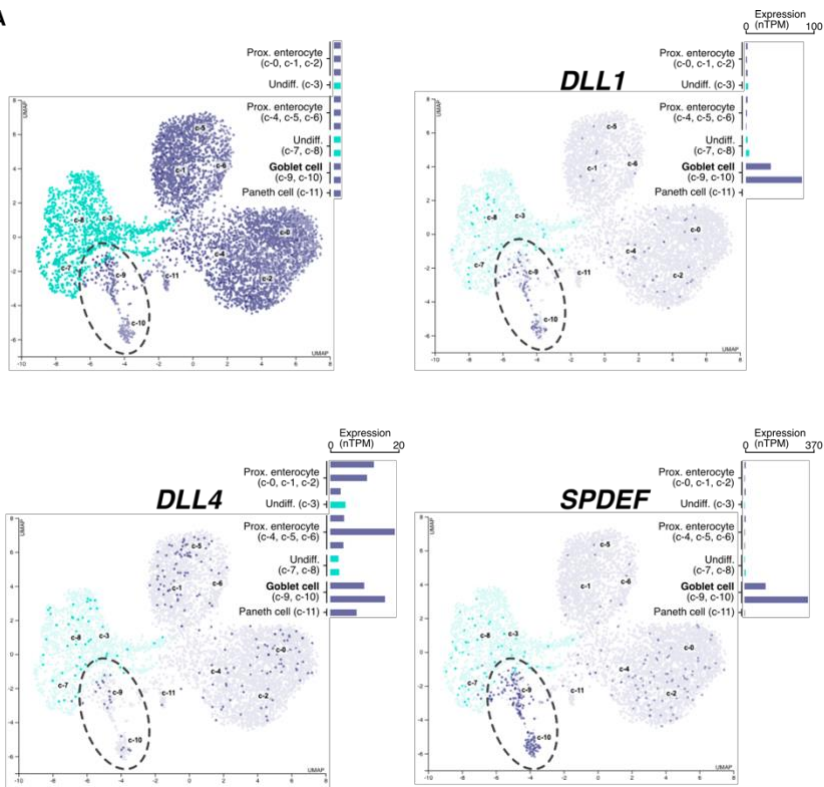
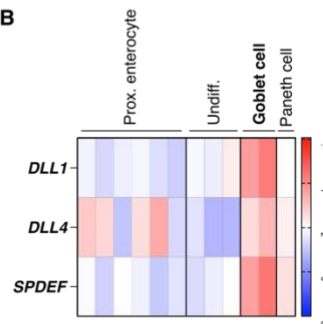
Supplemental figure 1. ILC3 gating strategy, FACS purification of epithelial cells from co-cultures and RNA sequencing quality control.



Supplemental figure 2. Goblet and Paneth cell enriched SIO and ILC3 co-culture.



Supplemental figure 3. Investigation of the Notch pathway in GOB-ILC3 co-cultures.

A**B**

Supplemental figure 4. Enrichment of *DLL1* in human small intestinal goblet cells.