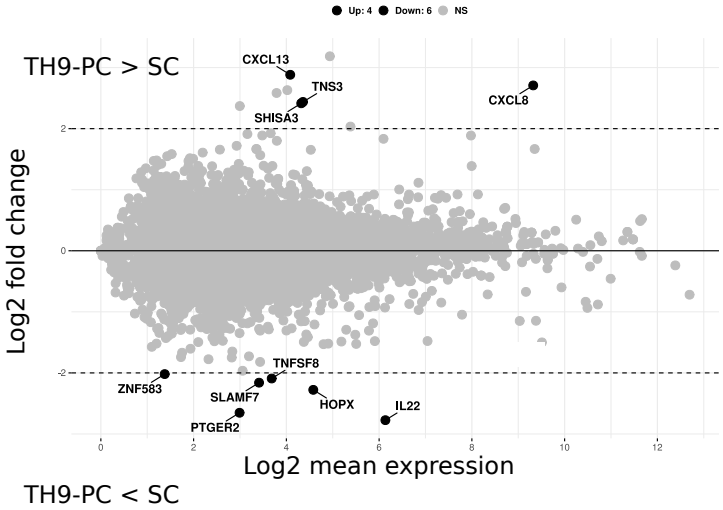
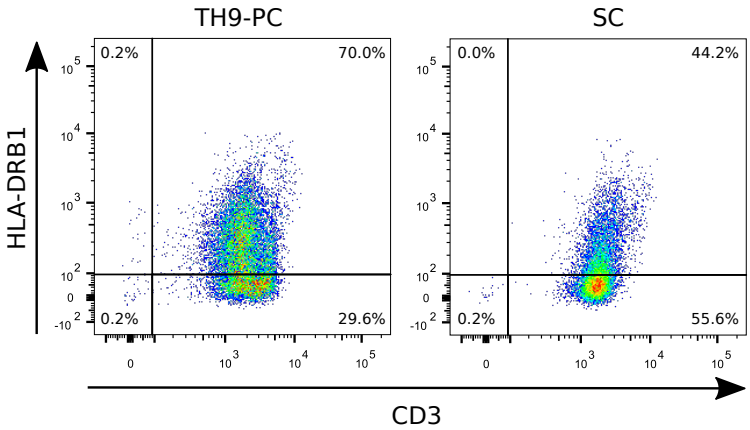
Supplementary Figure 2

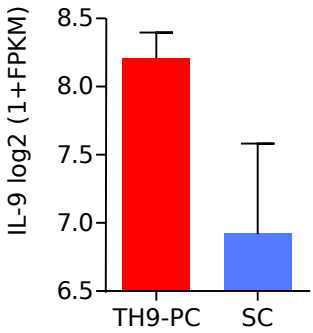
a



b



c



d

TH9-PC vs. FI

	GO term	p-value	Benjamini	Enrichment (fold)
Up-regulated	antigen processing and presentation	8.20E-11	1.10E-07	4.79
	cell-cell adhesion	4.60E-05	8.60E-03	4.23
	mitochondrion	3.80E-05	7.50E-04	3.58
	peptide antigen binding	1.20E-06	2.70E-04	2.5
	actin filament binding	2.80E-04	2.10E-02	2.37
Down-regulated	Zinc	2.50E-06	1.60E-04	-4.58
	Nucleus	5.60E-07	7.00E-05	-3.81
	tumor necrosis factor-mediated signaling pathway	5.50E-02	7.30E-01	-1.97
	positive regulation of NF-kappaB transcription factor activity	5.60E-03	3.50E-01	-1.83
	positive regulation of interferon-gamma production	1.80E-02	5.10E-01	-1.83

TH9-PC vs. SC

	GO term	p-value	Benjamini	Enrichment (fold)
Up-regulated	antigen processing and presentation	8.20E-11	1.10E-07	4.79
	cell-cell adhesion	4.60E-05	8.60E-03	4.23
	cell division	1.20E-03	1.20E-01	3.39
	telomere maintenance via recombination	1.70E-03	1.10E-01	2.61
	RNA splicing	1.50E-03	1.20E-01	2.55
Down-regulated	endoplasmic reticulum unfolded protein response	1.90E-02	7.70E-01	-1.47
	regulation ofphosphatidylinositol 3-kinase signaling	5.70E-03	5.90E-01	-1.47
	trans-Golgi network	3.60E-03	2.90E-01	-1.36
	transcription factor binding	1.40E-02	6.20E-01	-1.35
	mitochondrial outer membrane	5.00E-03	2.70E-01	-1.34

SC vs. FI

	GO term	p-value	Benjamini	Enrichment (fold)
Up-regulated	ER to Golgi vesicle-mediated transport	1.20E-07	1.10E-04	6.75
	type I interferon signaling pathway	4.50E-06	2.00E-03	4.74
	cell-cell adhesion	1.10E-04	1.50E-02	4.38
	antigen processing and presentation of exogenous peptide antigen via MHC class II	3.50E-09	6.20E-06	3.22
	retrograde vesicle-mediated transport, Golgi to ER	5.00E-06	1.80E-03	2.45
Down-regulated	protein dephosphorylation	6.30E-03	1.30E-01	-2.12
	protein folding	2.00E-02	8.50E-01	-2.09
	mRNA splicing via spliceosome	1.10E-02	7.70E-01	-2.02
	transcription initiation from RNA polymerase II promoter	2.20E-03	4.80E-01	-1.98
	RNA secondary structure unwinding	2.80E-03	4.70E-01	-1.94