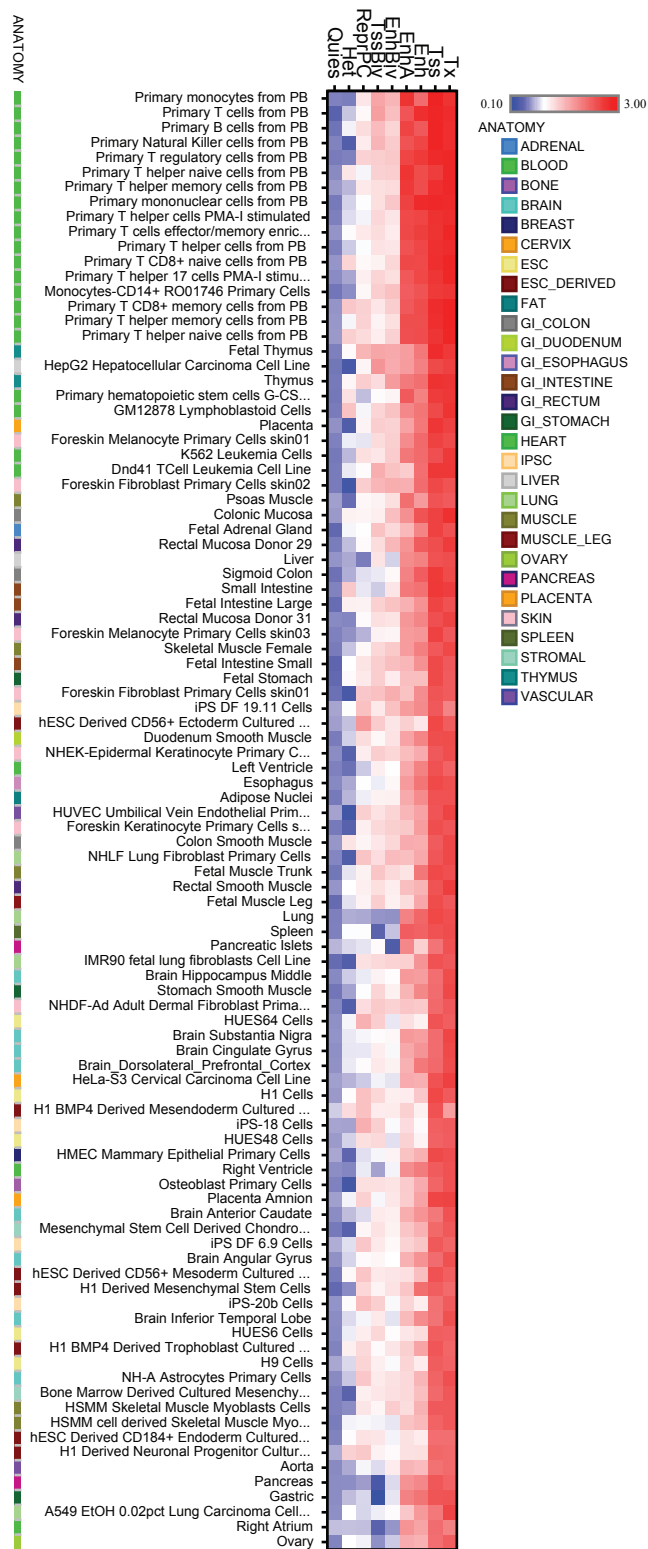


Figure S2

A



B

Cell/tissue	p-value H3K4me1	p-value H3K27ac
T cell	0.0034 (0.5084)	<1e-4 (0.3732)
B cell	0.0716 (0.5027)	<1e-4 (0.3439)
monocyte	0.0045 (0.5229)	<1e-4 (0.3893)
ovary	0.8745 (0.1619)	0.0074 (0.1875)
right atrium	0.7114 (0.2122)	<1e-4 (0.3394)
A549	0.6037 (0.3132)	<1e-4 (0.3791)

C

Cell/tissue	p-value H3K27ac conditioned on nothing	p-value H3K27ac conditioned on T cell	p-value H3K27ac conditioned on B cell	p-value H3K27ac conditioned on monocyte
T cell	<1e-4	-	0.4943	0.2411
B cell	<1e-4	0.0047	-	0.0748
monocyte	<1e-4	<1e-4	<1e-4	-
ovary	0.0074	0.179	0.243	0.378
right atrium	<1e-4	0.0147	0.129	0.3063
A549	<1e-4	0.0275	0.0852	0.1674