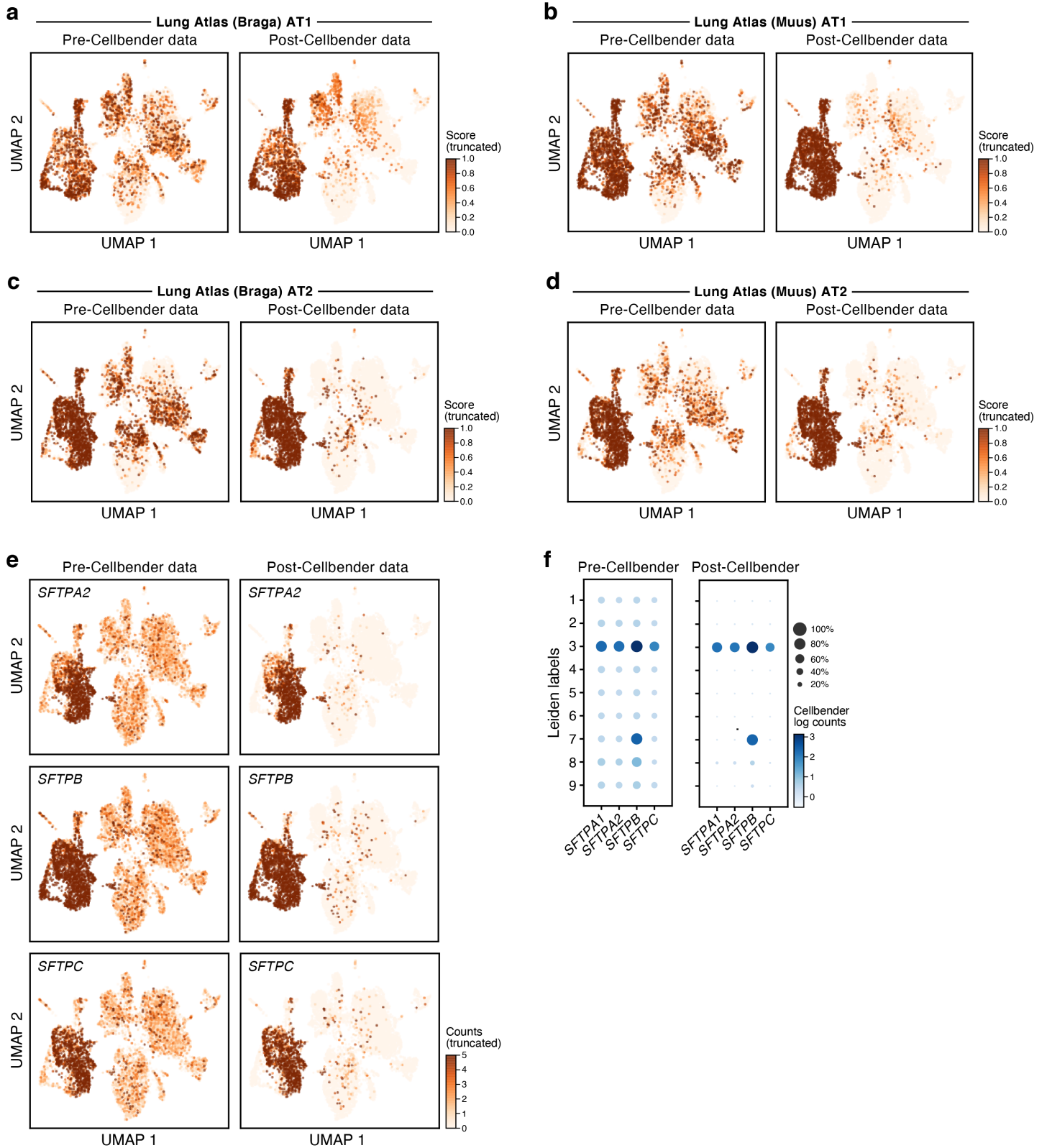
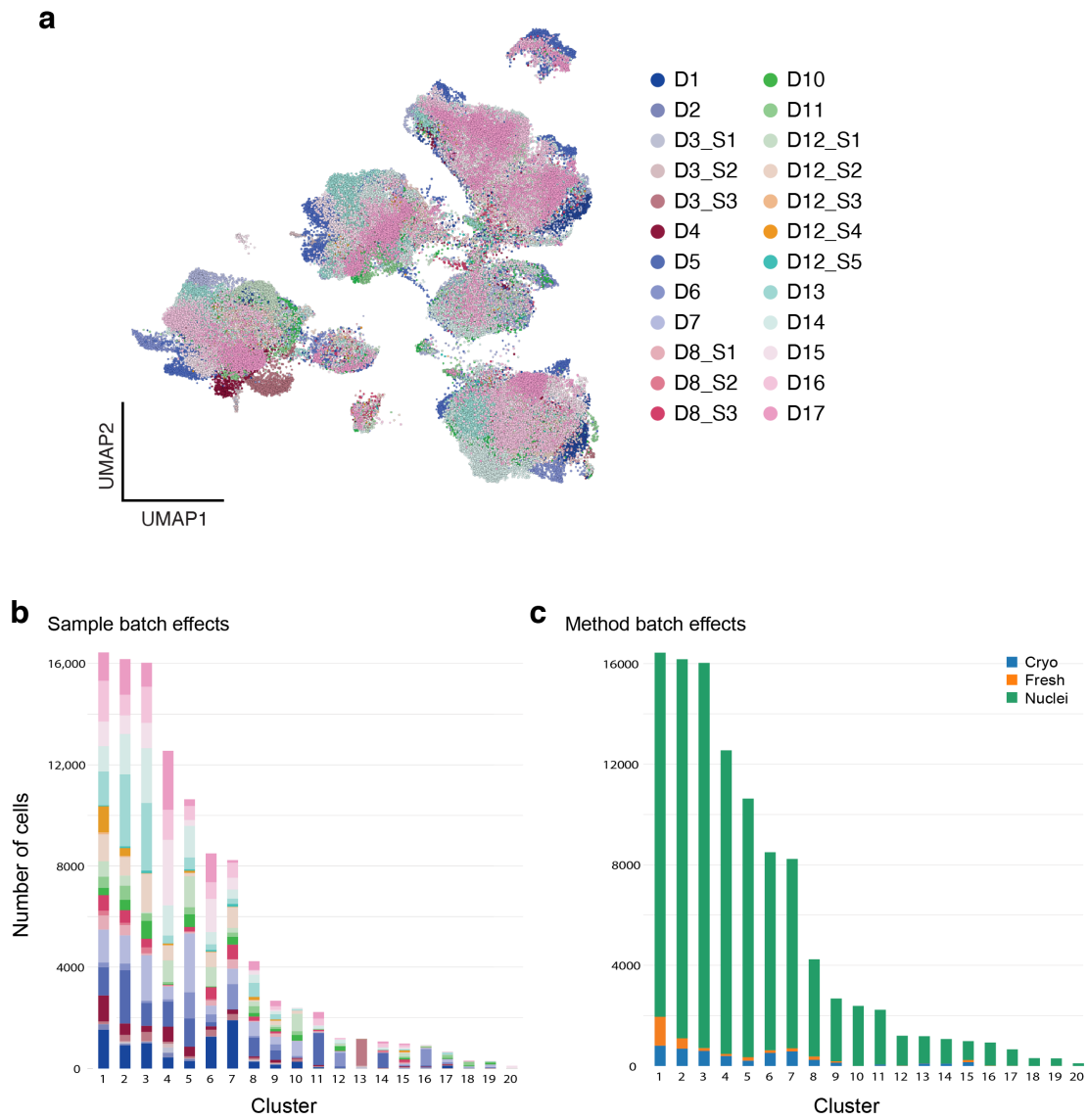


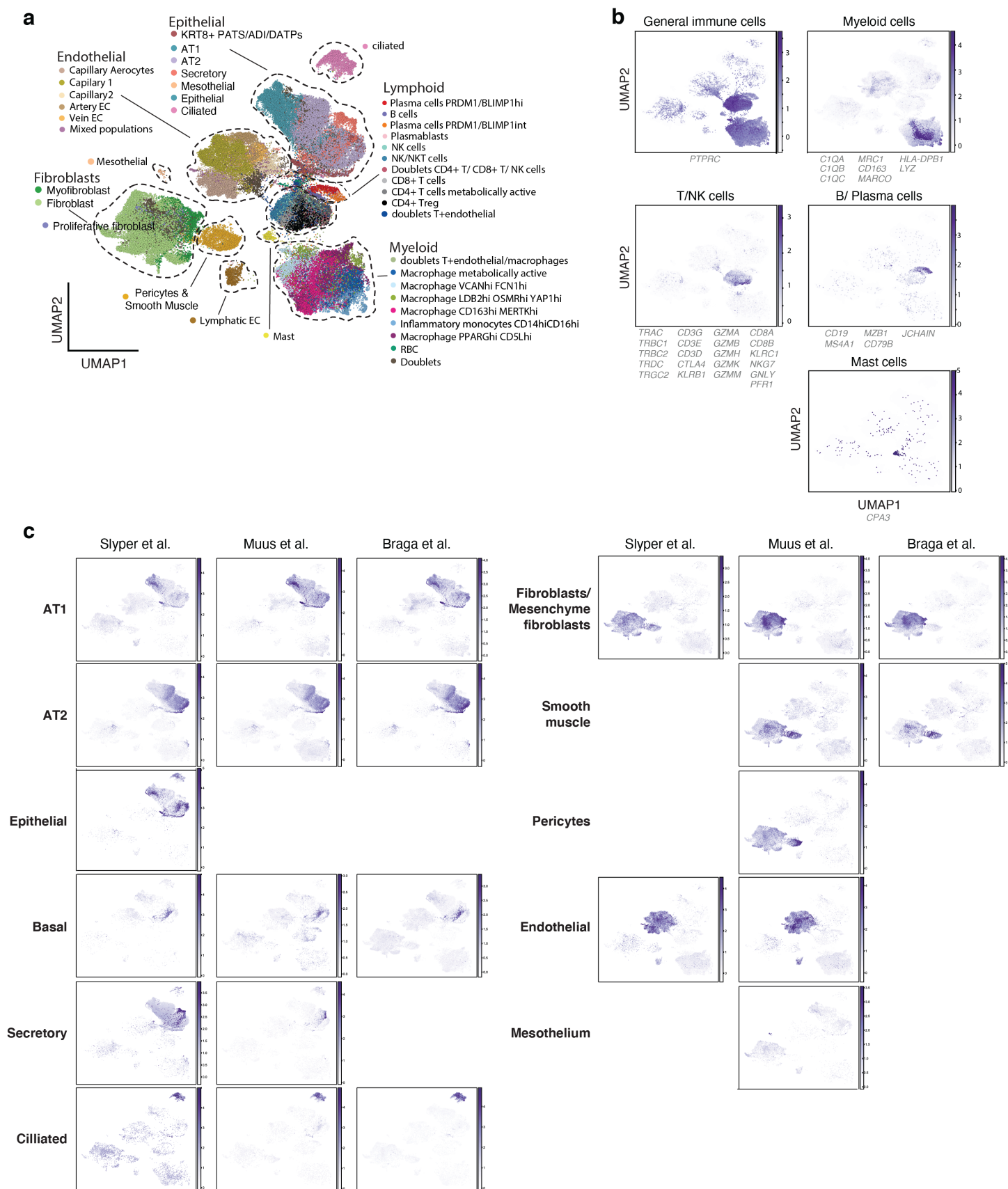
Supplemental Fig. 2



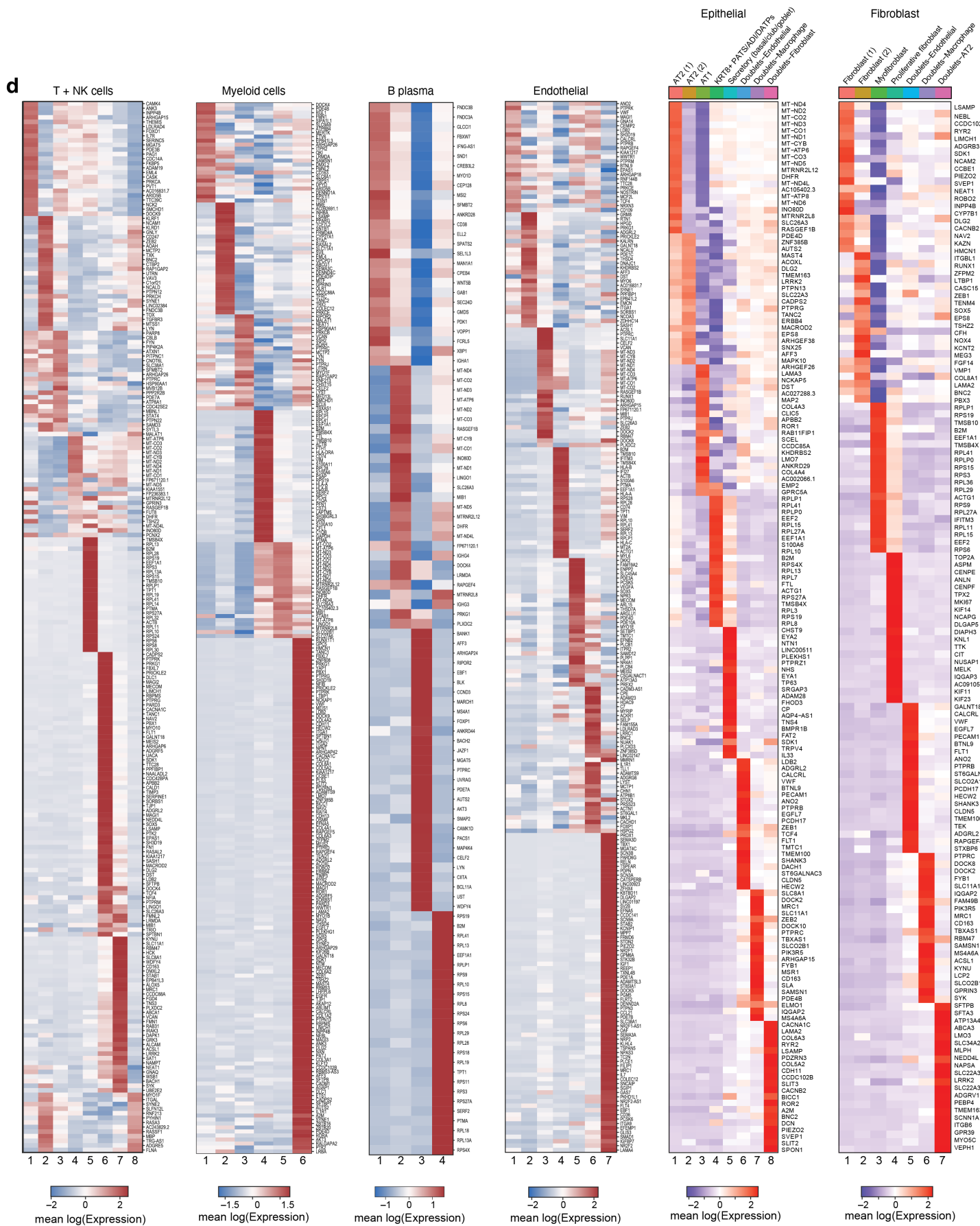
Supplemental Fig. 3



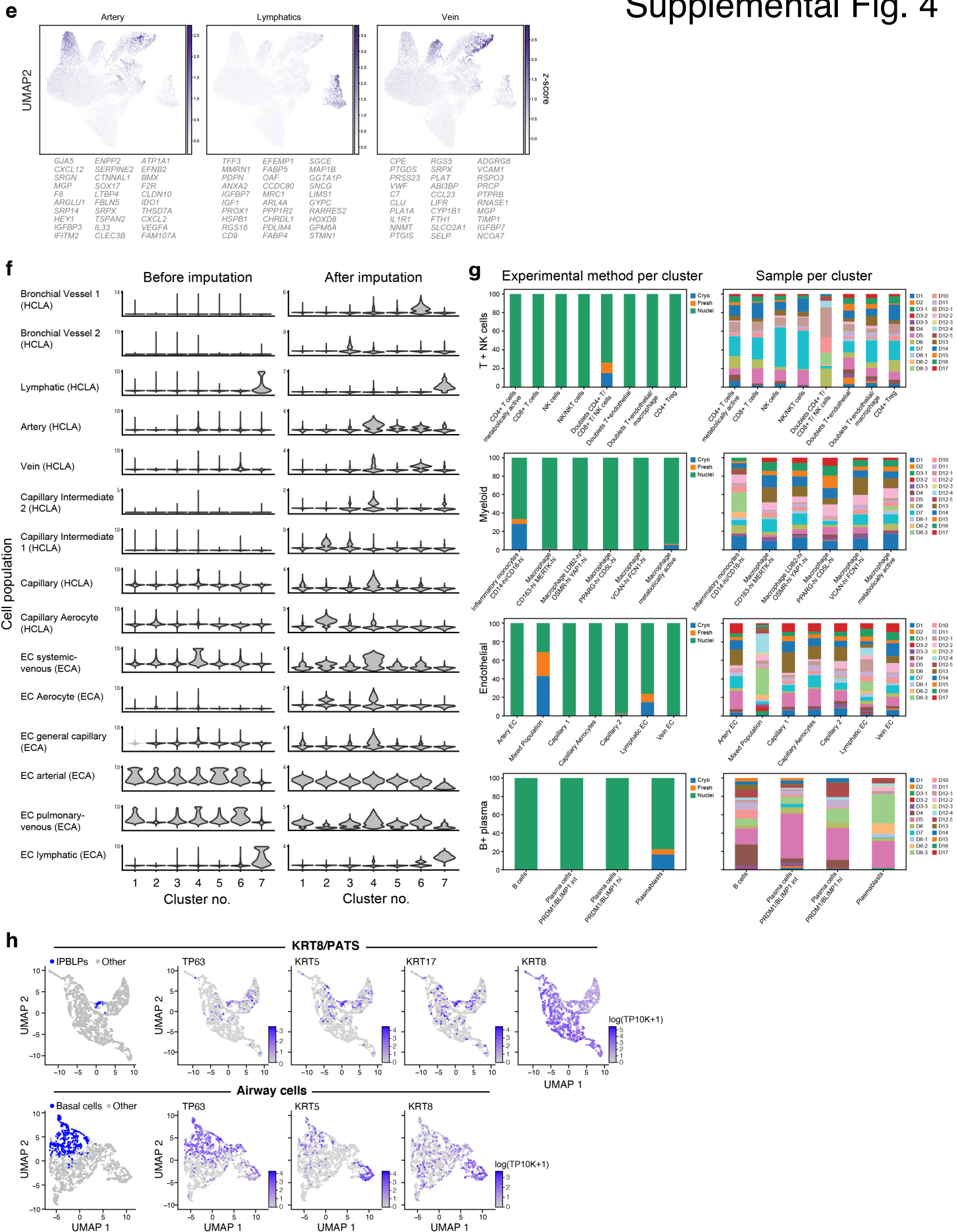
Supplemental Fig. 4



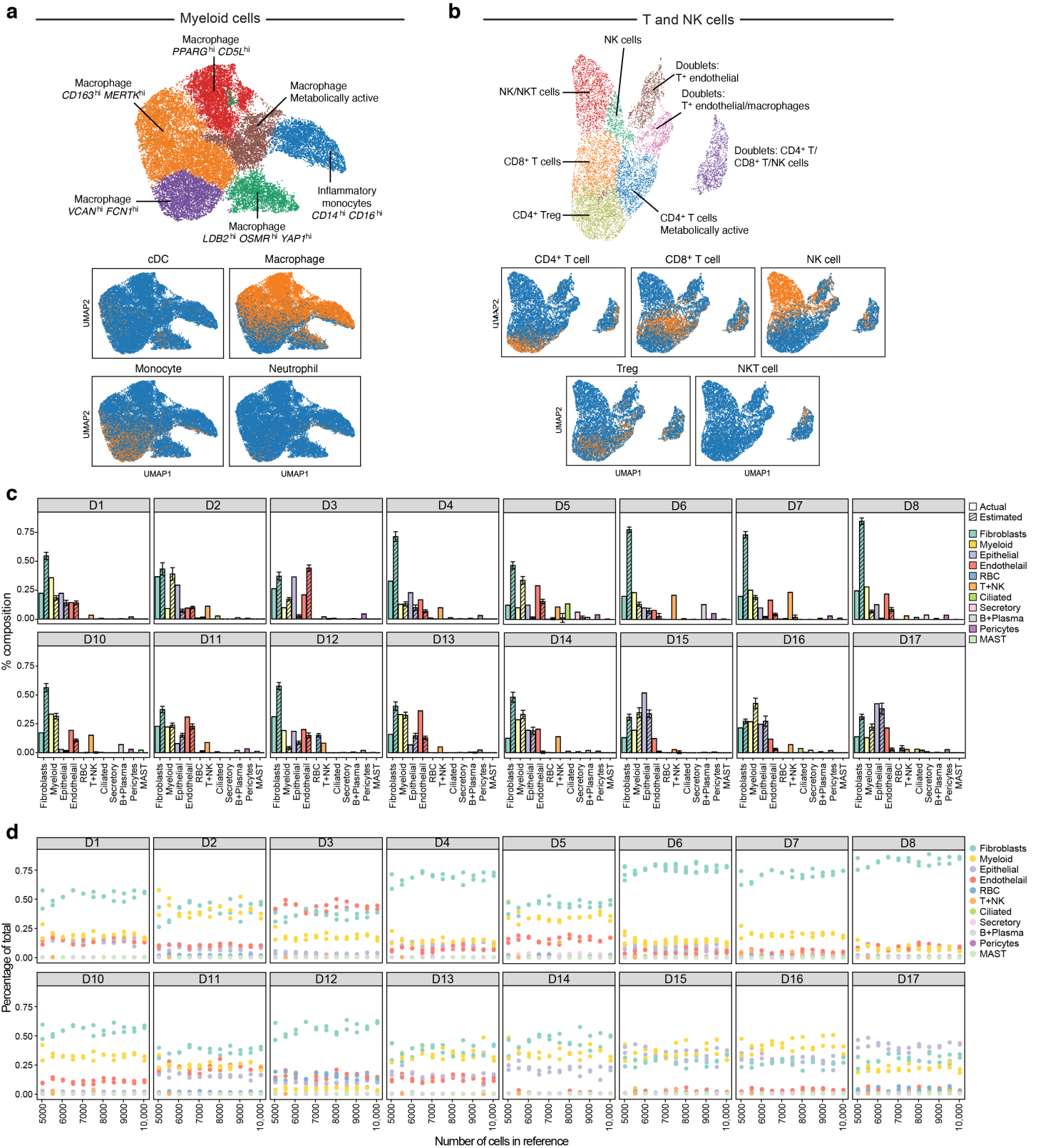
Supplemental Fig. 4



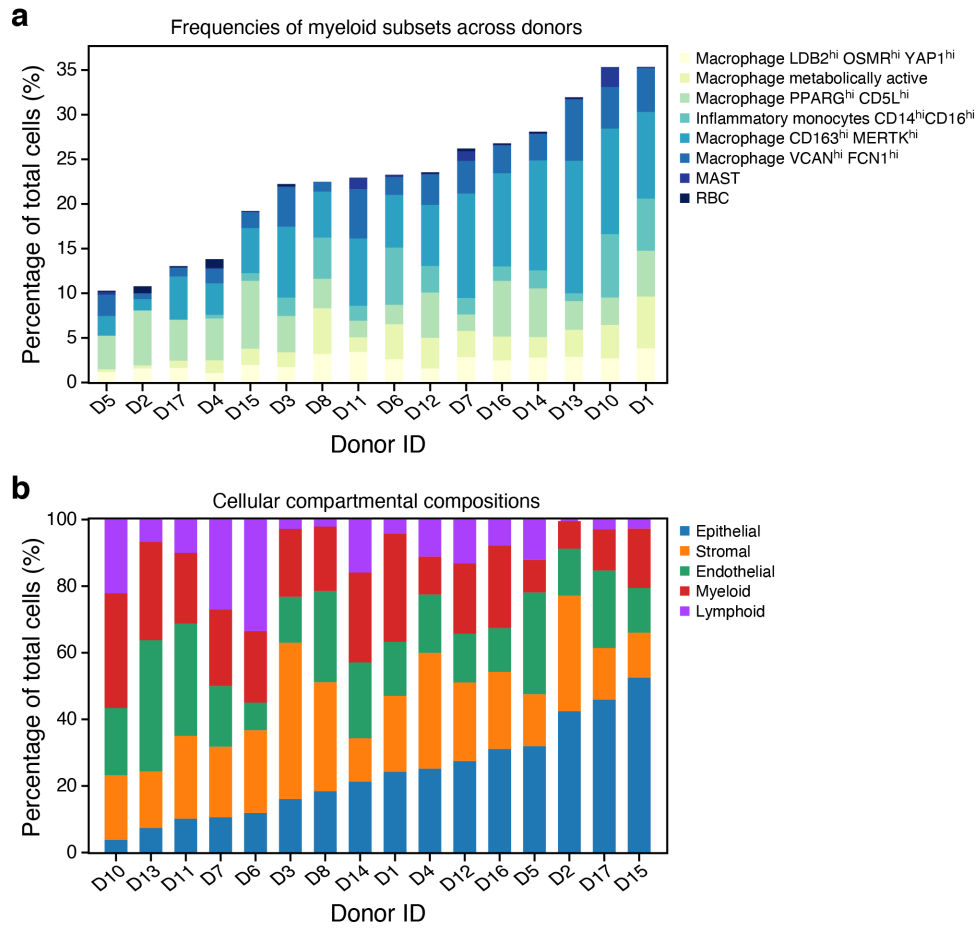
Supplemental Fig. 4



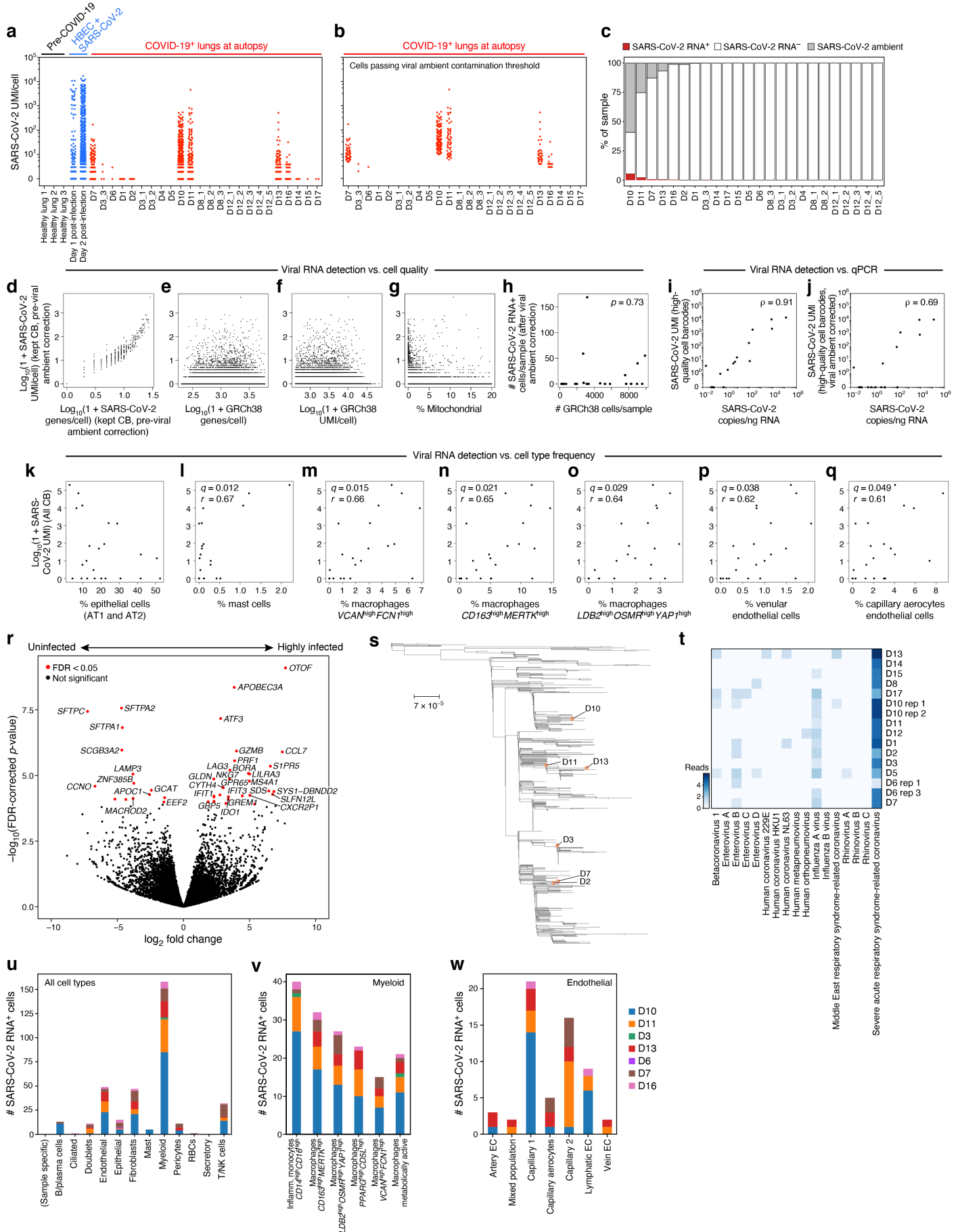
Supplemental Fig. 5



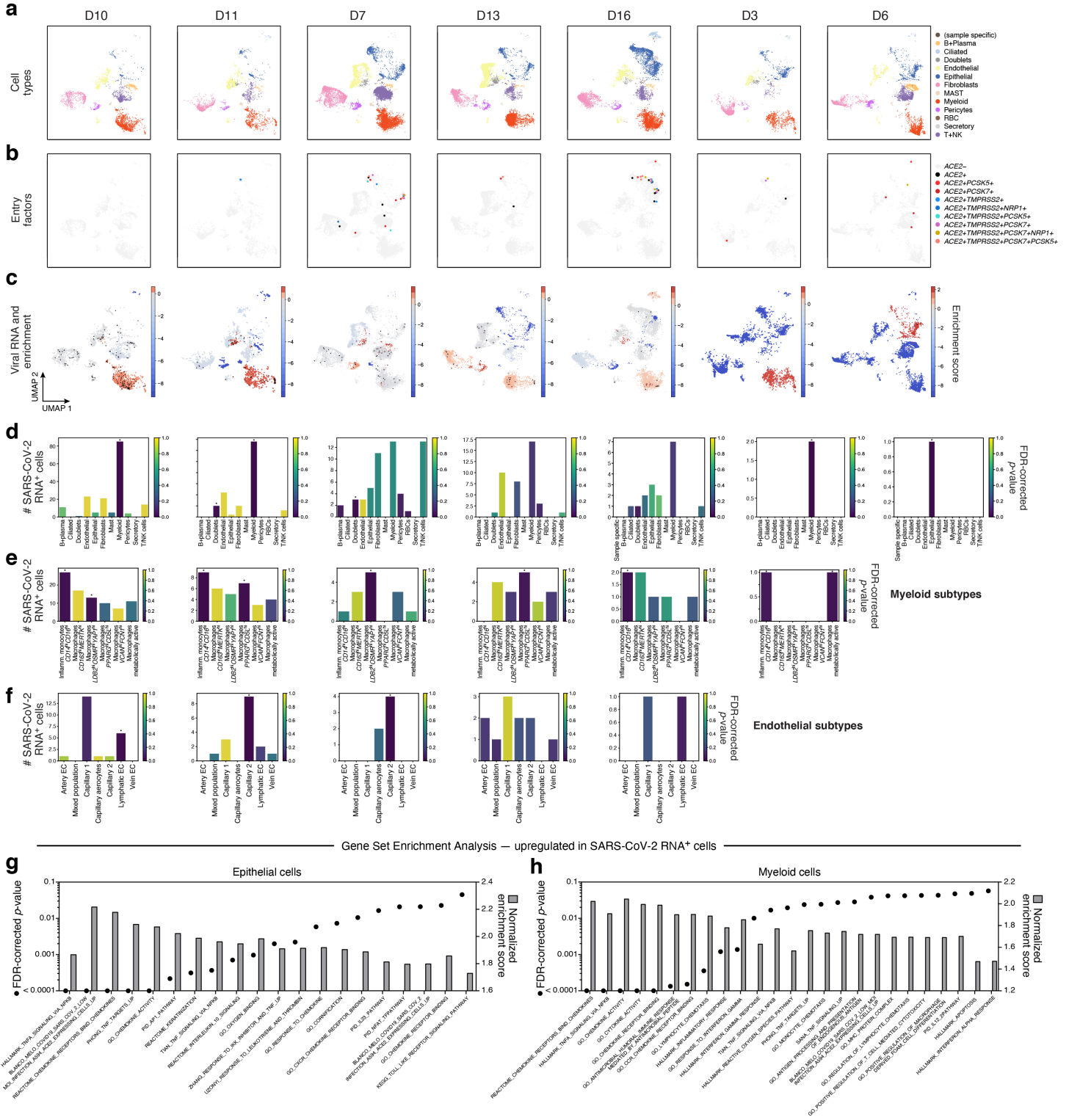
Supplemental Fig. 6



Supplemental Fig. 7



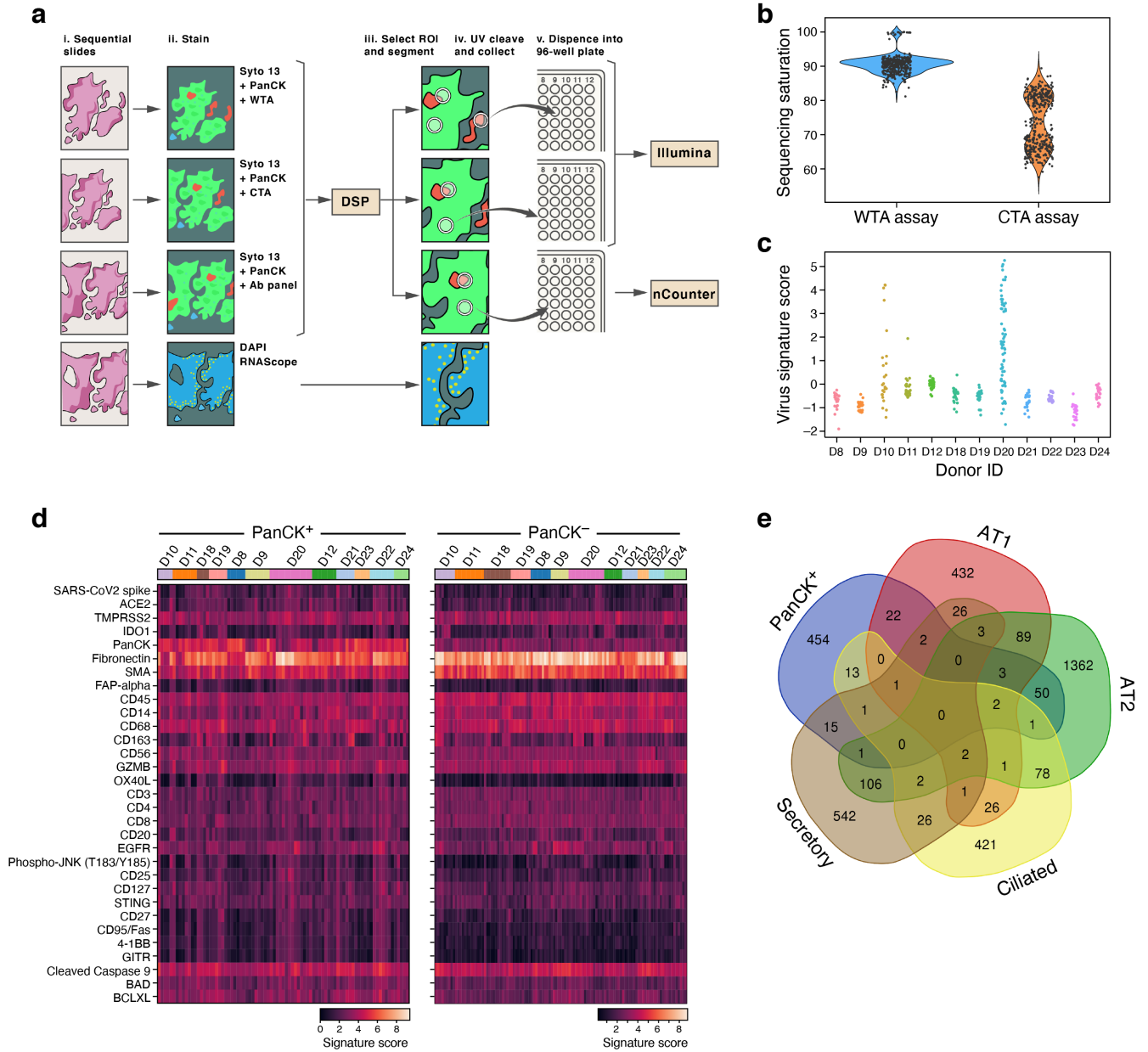
Supplemental Fig. 8



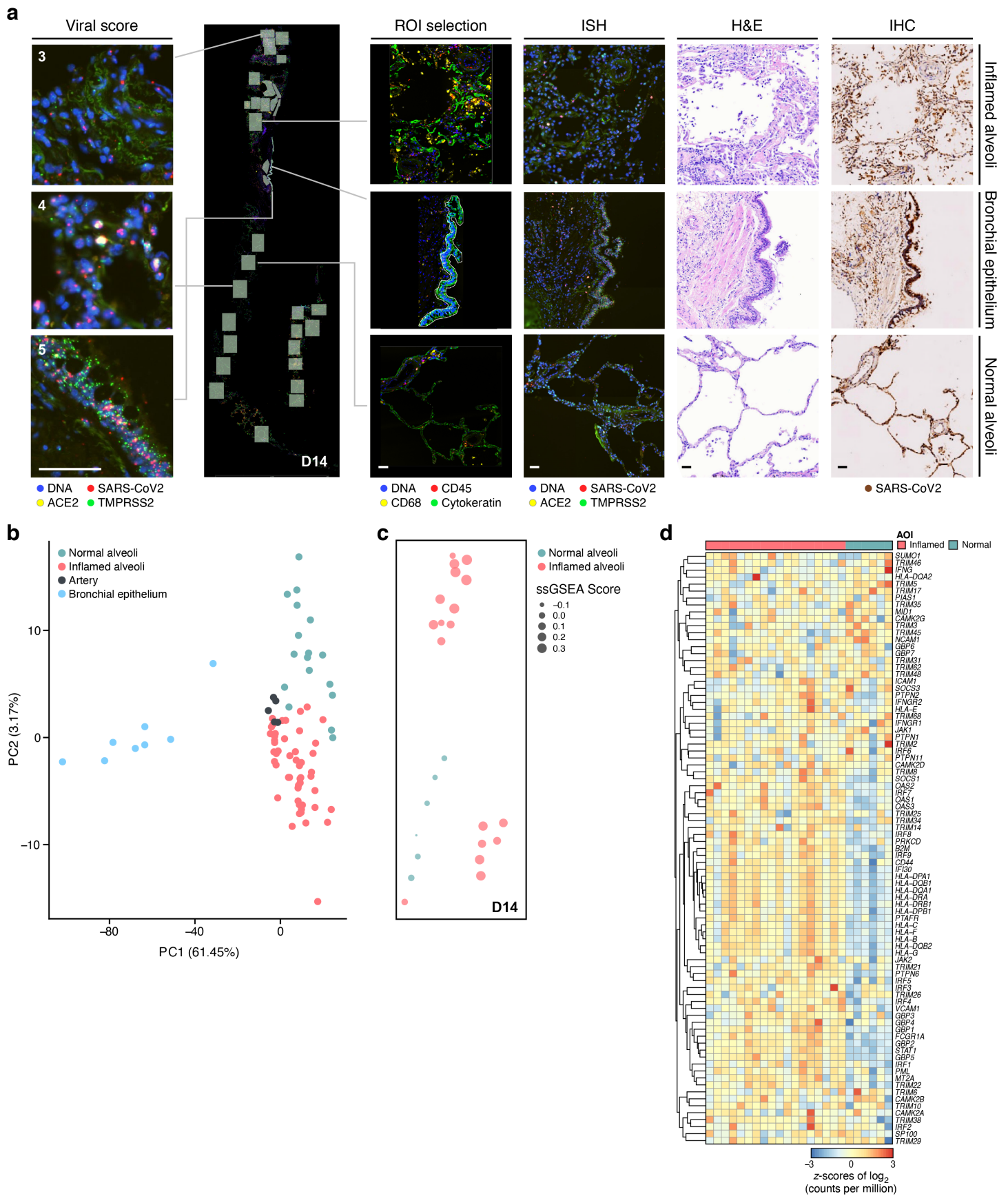
Supplemental Fig. 9

	Patient					Tissues processed for spatial analysis			Processed for sn/scRNA-Seq	Organ failure	S/s to death (days)	
	No	Broad ID	Race	Ethnicity	Sex	Age	CTA	WTA				Protein
COVID-19 negative	D22	04-P718490	White	Not Hispanic/ Latino	M	50-55	Parenchyma	Parenchyma	Parenchyma	No	Multi-organ	3
	D23	04-P939373	Black/ AA	Not Hispanic/ Latino	F	75-80	Parenchyma	Parenchyma	Parenchyma	No	Heart	0
	D24	04-P978210	White	Not Hispanic/ Latino	M	50-55	Parenchyma	Parenchyma	Parenchyma	No	Multi-organ	5
COVID-19 positive	D18	04-P373577	Black/ AA	–	F	65-70	Lung-LUL	Lung-LUL, -RUL	Lung-LUL	No	Lung	15
	D19	04-P433472	Other	Hispanic/ Latino	M	55-60	Lung-LUL	Lung-LUL, -LLL	Lung-LUL	No	Lung	6
	D20	04-P478538	White	–	F	65-70	Lung-LUL, trachea	Lung-LUL, heart-LV	Lung-LUL	No	Lung, heart	1
	D21	04-P541935	–	Hispanic/ Latino	M	55-60	Lung-LUL	Lung-LUL	Lung-LUL	No	Lung	2
	D8	04-P006354	Black/ AA	Hispanic/ Latino	M	65-70	Lung-LUL	Lung-LUL	Lung-LUL	Yes	Lung, kidney	23
	D9	04-P024506	Black/ AA	Not Hispanic/ Latino	F	50-55	Lung-LUL	Lung-LUL	Lung-LUL	No	Lung	7
	D10	04-P054921	White	Not Hispanic/ Latino	M	50-55	Lung-LUL	Lung-LUL	Lung-LUL	Yes	Multi-organ	8
	D11	04-P079042	White	–	M	75-80	Lung-LUL	Lung-LUL	Lung-LUL	Yes	Lung, kidney	7
	D12	04-P103142	White	Not Hispanic/ Latino	M	40-45	Lung-LUL	Lung-LUL	Lung-LUL	Yes	Multi-organ	22

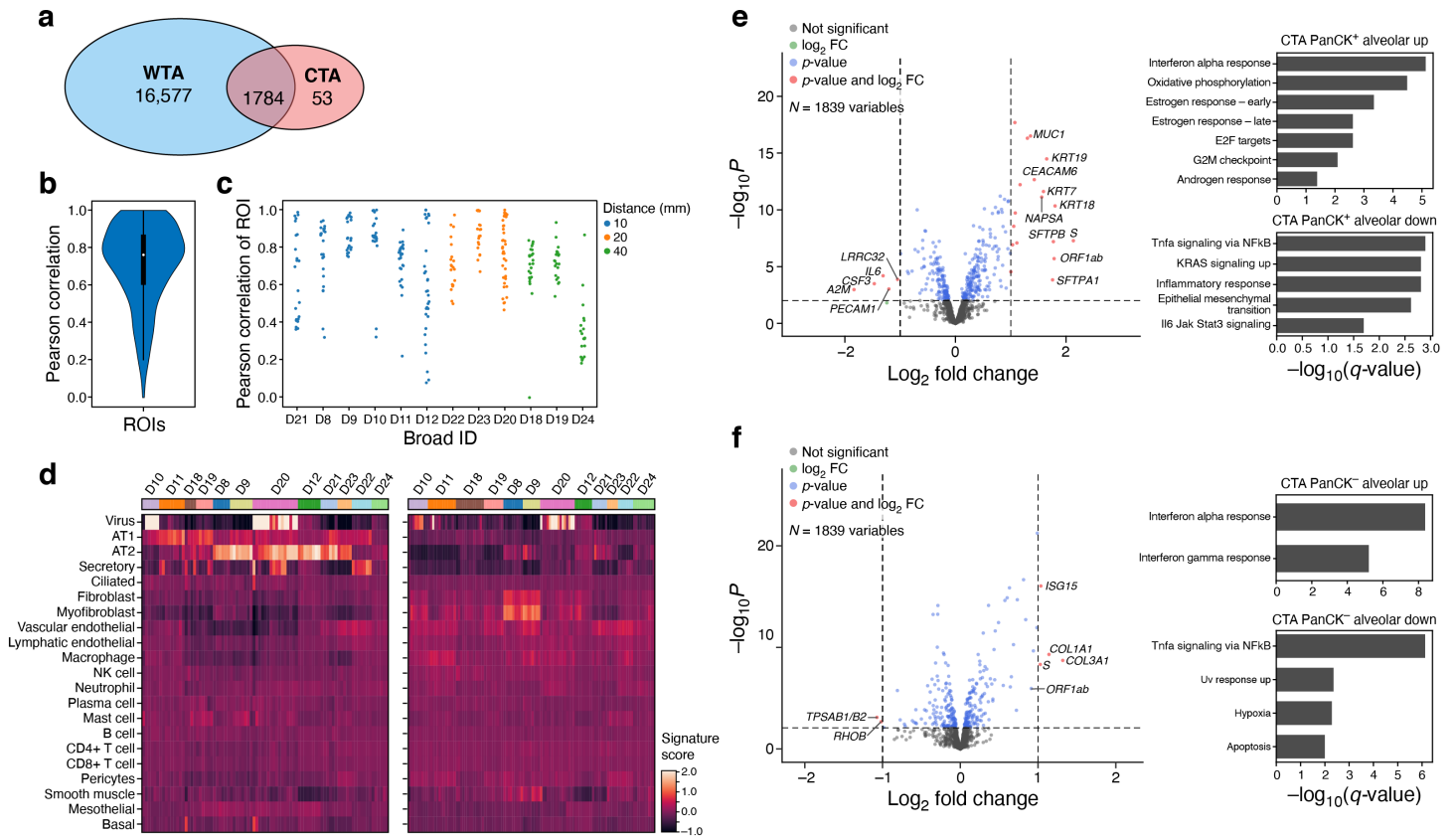
Supplemental Fig. 10



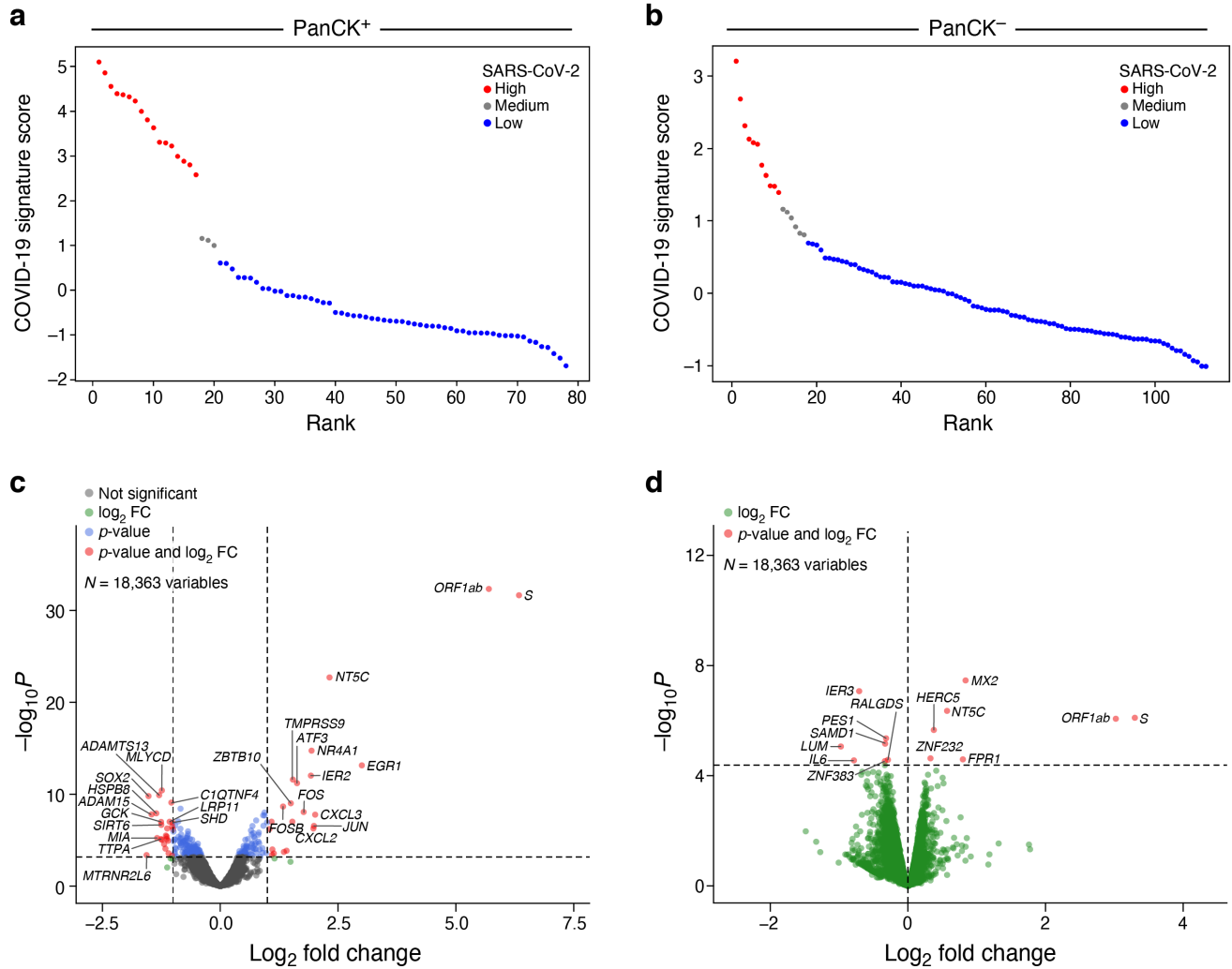
Supplemental Fig. 11



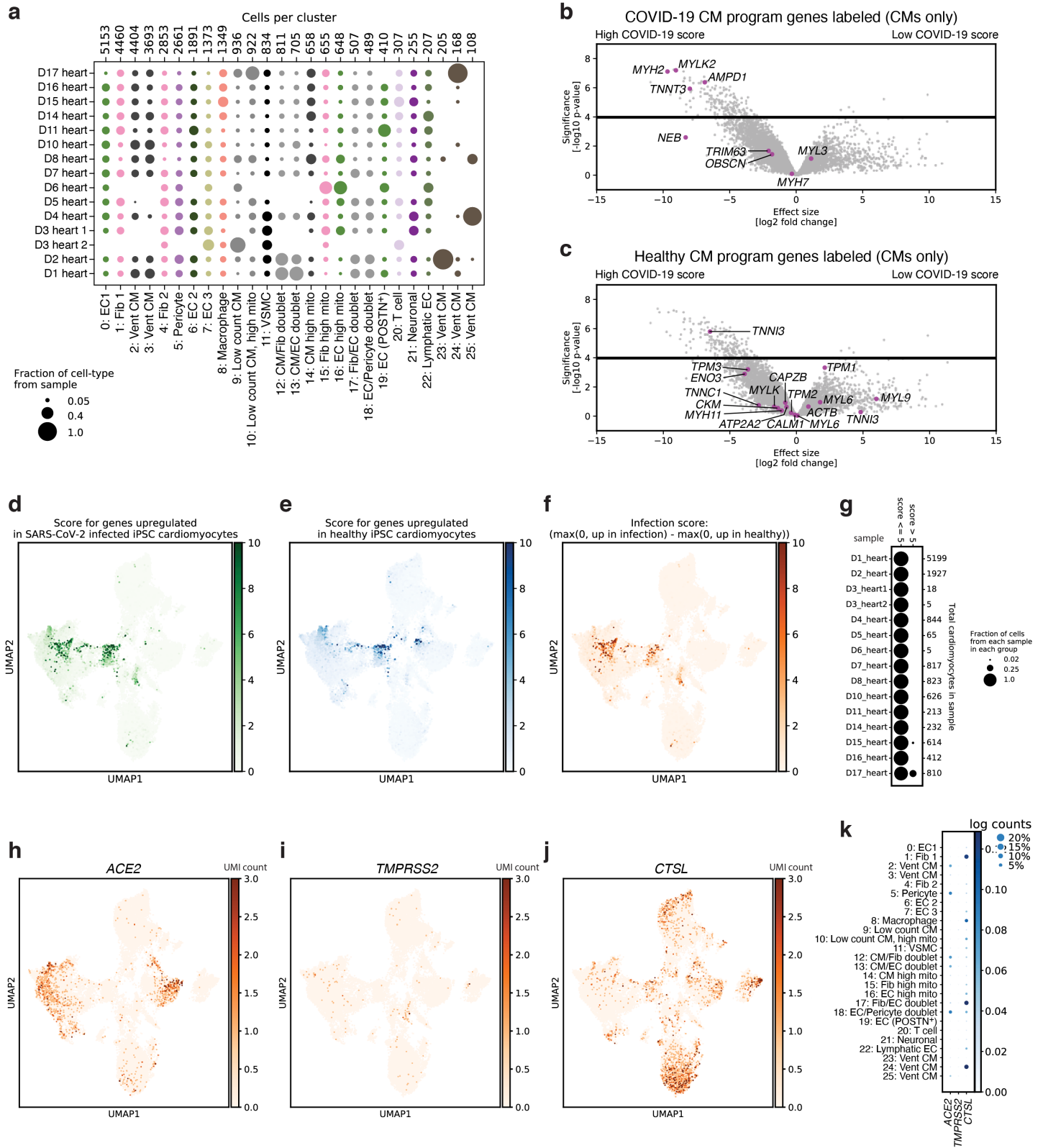
Supplemental Fig. 12



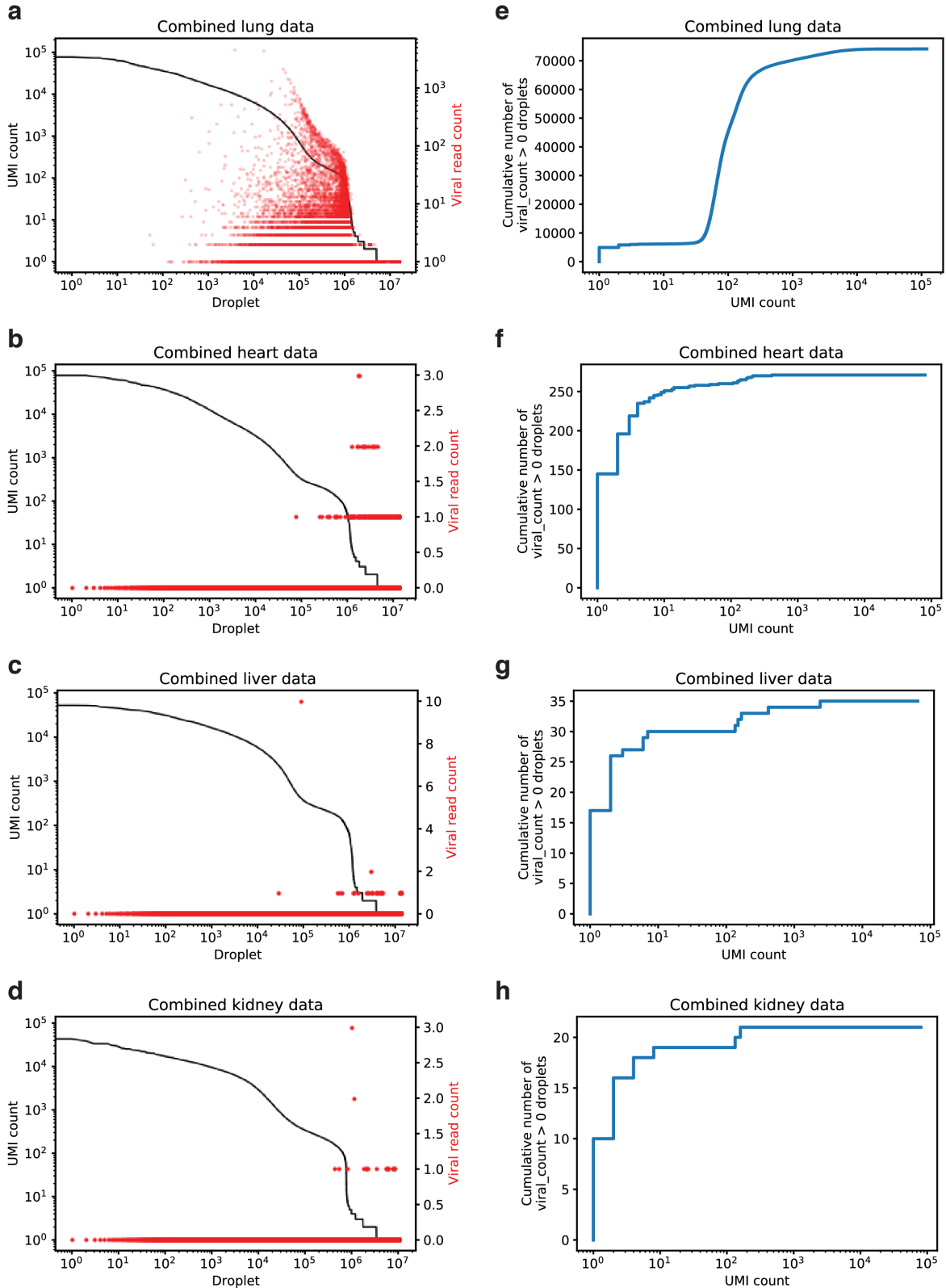
Supplemental Fig. 13



Supplemental Fig. 14



Supplemental Fig. 15



Supplemental Fig. 16

