

Supplementary Table S1: Clinical information of COVID-19 patients used for spatial transcription analysis

Subject.ID	Severity	Sex	Age	TP(g/l)	ALB(g/l)	GLB(g/l)	TB(μmol/L)	ALT(u/l)	AST(u/l)	ALP(u/l)	GGT(U/l)	LDH(U/L)	Respiratory RNA testing	Spatial Transcriptomics
1	Deceased	Male	65	61	30	25	12.1	15	14	73	34	408	Positive>60 days	Yes
2	Deceased	Female	78	60.81	27.68	33.13	24.9	14	5	60	35	385	Positive>60 days	No
3	Deceased	Male	64	56	28	28	13.2	30	25	118	63	333	Positive>60 days	No
4	Severe	Male	51	52	31	21	64.5	50	91	1253	439	224	Positive for 31 days	Yes (on day 26)
5	Moderate	Female	58	73	44.8	28.2	13.9	33	44	115	128	234	Positive <14 days	Yes
6	Moderate	Male	56	78	34	44	26.5	330	114	91	116	162	Positive <14 days	No