

COVID-19
(n = 30)



Control
(n = 15)



OP
swab



Metagenomics
(94 samples)

TB
secretion



Metagenomics
(18 samples)

stool



Metagenomics
(81 samples)

urine



Metabolomics
(77 samples)

plasma



Metabolomics
(96 samples)

PBMC



scRNA-seq
(25 samples)

IFNs
qRT-PCR
(94 samples)

Multiplex
ELISA
(92 samples)

