

## Supplementary information

**Table S1. Clinical data of the enrolled COVID-19 patients and healthy controls examined.**

	P1	P2	P3	P4	Control 1	Control 2	Control 3	Control 4
SARS-CoV2	+	+	+	+	-	-	-	-
Severity	Severe	Severe	Severe	Severe				
Age	66	53	86	51	66	67	44	62
Gender	M	F	F	M	F	M	F	F
First symptom at onset	Fever	Fever, dyspnea	Fever, cough	Fever				
Hospitalization durations	37d	22d	5d	6d				
Other chronic basic disease	Hyperpression	NA	(IV) Heart failure, renal failure, hypertension	Hypertension				
Influenza A virus	(-)	(-)	(-)	(-)				
Influenza B virus	(-)	(-)	(-)	(-)				
Respiratory syncytial virus	(-)	(-)	(-)	(-)				
Interferon atomization	✓	✓	✓	✓				
Ribavirin	✓	✓	✗	✗				
Methylprednisolone	✓	✓	✓	✓				
CT finding	Bilaeral pneumonia	Bilaeral pneumonia	Bilaeral pneumonia	Bilaeral pneumonia	Not detected	Not detected	Not detected	Not detected