

Table 1. Sample Information

Sample source	Sample number	Clinical Typing	Vaccination	Previous infection with COVID-19	Ct (ORFlab)	Ct (N)	Sequencing Platform	Coverage Rate	Sequencing Result
Import (6)	hCoV-19/China/LNDL (A) -2023-12-13	Asymptomatic	NO	NO	35.44	34.49	IonStudioS6plus	99.2%	JN.1
	hCoV-19/China/LNDL (A) -2023-12-20-01	Asymptomatic	NO	NO	16.91	17.13	IonStudioS6plus	98.4%	JN.1.1
	hCoV-19/China/LNDL (A) -2024-01-17-05	Medium	YES	NO	28.66	26.62	IonStudioS6plus	99.10%	JN.1.1
	hCoV-19/China/LNDL (A) -2024-01-17-06	Asymptomatic	YES	NO	32.06	32.67	IonStudioS6plus	99.00%	JN.1.1
	hCoV-19/China/LNDL (A) -2024-01-24-05	Asymptomatic	NO	NO	28.05	27.02	IonStudioS6plus	99.60%	JN.1.1
	hCoV-19/China/LNDL (A) -2024-01-24-06	Asymptomatic	NO	NO	33.68	31.96	IonStudioS6plus	98.80%	JN.1.1
Local (35)	hCoV-19/China/LNDL (M) -2023-12-27-01	Light	NO	NO	30.7	28.79	IonStudioS6plus	99.3%	JN.1
	hCoV-19/China/LNDL (M) -2024-01-03-01	Light	NO	NO	25.78	25.67	IonStudioS6plus	99.3%	JN.1
	hCoV-19/China/LNDL (M) -2024-01-10-01	Light	NO	NO	27.18	28.08	IonStudioS6plus	99.4%	JN.1
	hCoV-19/China/LNDL (M) -2024-01-10-02	Light	YES	YES	27.87	27.09	IonStudioS6plus	99.4%	JN.1
	hCoV-19/China/LNDL (M) -2024-01-17-01	Light	YES	YES	25.34	25.26	IonStudioS6plus	98.7%	JN.1
	hCoV-19/China/LNDL (M) -2024-01-24-01	Medium	YES	NO	17.13	15.37	IonStudioS6plus	99.5%	JN.1
	hCoV-19/China/LNDL (M) -2024-01-24-02	Medium	YES	NO	20.26	19.63	IonStudioS6plus	99.3%	JN.1
	hCoV-19/China/LNDL (M) -2024-01-24-03	Light	YES	YES	20	20	IonStudioS6plus	99.4%	JN.1
	hCoV-19/China/LNDL (M) -2024-01-31-01	Light	YES	NO	18.35	16.96	Illumina	99.90%	JN.1
	hCoV-19/China/LNDL (M) -2024-01-31-02	Asymptomatic	YES	YES	26.71	25.79	Illumina	99.10%	JN.1
	hCoV-19/China/LNDL (M) -2023-12-27-02	Light	NO	NO	33.38	31.87	IonStudioS6plus	99.2%	JN.1.1
	hCoV-19/China/LNDL (M) -2023-12-27-03	Light	NO	NO	35.29	34.01	, IonStudioS6plus	99%	JN.1.1
	hCoV-19/China/LNDL (M) -2024-01-03-02	Light	YES	YES	21.87	21.14	IonStudioS6plus	99.5%	JN.1.1
	hCoV-19/China/LNDL (M) -2024-01-03-03	Light	NO	NO	26.49	28.5	IonStudioS6plus	98.2%	JN.1.1
	hCoV-19/China/LNDL (M) -2024-01-03-04	Light	NO	NO	30.55	30.15	IonStudioS6plus	99.50	JN.1.1

Customs (18)	hCoV-19/China/LNDL (M) -2024-01-10-03	Light	NO	YES	24.43	27.73	IonStudioS6plus	99.5%	JN.1.1
	hCoV-19/China/LNDL (M) -2024-01-10-04	Light	YES	YES	32.6	33.48	IonStudioS6plus	99.3%	JN.1.1
	hCoV-19/China/LNDL (M) -2024-01-17-02	Light	NO	NO	23.53	24.17	IonStudioS6plus	98.70%	JN.1.1
	hCoV-19/China/LNDL (M) -2024-01-17-03	Light	YES	YES	23.06	21.95	IonStudioS6plus	97.80%	JN.1.1
	hCoV-19/China/LNDL (M) -2024-01-17-04	Light	YES	YES	31.11	30.79	IonStudioS6plus	99.10%	JN.1.1
	hCoV-19/China/LNDL (M) -2024-01-24-04	Light	YES	YES		26.1	IonStudioS6plus	99.30%	JN.1.1
	hCoV-19/China/LNDL (M) -2024-01-31-03	Light	YES	YES	29	29	Illumina	99.30%	JN.1.1
	hCoV-19/China/LNDL (M) -2024-01-31-04	Light	YES	YES	20.66	20.59	Illumina	99.80%	JN.1.1
	hCoV-19/China/LNDL (M) -2024-01-31-05	Medium	YES	YES	28.30	29.82	Illumina	99.90%	JN.1.1
	hCoV-19/China/LNDL (M) -2024-01-10-06	Light	YES	YES	21.2	21.88	IonStudioS6plus	99.5%	JN.1.4
	hCoV-19/China/LNDL (M) -2024-01-10-07	Light	YES	YES	27.17	27.23	IonStudioS6plus	99.5%	JN.1.4
	hCoV-19/China/LNDL (M) -2024-01-24-07	Medium	YES	NO	23.6	22.38	IonStudioS6plus	98.90%	JN.1.4
	hCoV-19/China/LNDL (M) -2024-01-31-06	Light	YES	YES	23.16	22.81	Illumina	99.30%	JN.1.4
	hCoV-19/China/LNDL (M) -2024-01-31-07	Light	YES	YES	18.50	18.10	Illumina	99.70%	JN.1.4
	hCoV-19/China/LNDL (M) -2024-01-17-07	Light	YES	YES	19.92	19.99	IonStudioS6plus	99.20%	JN.1.5
	hCoV-19/China/LNDL (M) -2024-01-24-08	Asymptomatic	YES	NO	24.75	24.75	IonStudioS6plus	96.20%	JN.1.5
	hCoV-19/China/LNDL (M) -2024-01-31-08	Light	YES	YES	22.71	22.53	Illumina	99.70%	JN.1.5
	hCoV-19/China/LNDL (M) -2024-01-31-09	Medium	NO	NO	24	22	Illumina	98.60%	JN.1.5
	hCoV-19/China/LNDL (M) -2024-01-31-10	Light	YES	YES	27	26	Illumina	99.80%	JN.1.6
	hCoV-19/China/LNDL (M) -2024-01-31-11	Light	YES	YES	18.61	18.80	Illumina	99.70%	JN.1.6
	hCoV-19/China/LNDL (A) -2024-01-11-01	Asymptomatic	NO	NO	18.13	17.43	MiniON Mk 1C	99.70%	JN.1
	hCoV-19/China/LNDL (A) -2024-01-11-02	Asymptomatic	NO	NO	25.07	23.34	MiniON Mk 1C	99.70%	JN.1.4
	hCoV-19/China/LNDL (A) -2024-01-11-03	Asymptomatic	NO	NO	23.81	22.1	MiniON Mk 1C	99.80%	JN.1.4
	hCoV-19/China/LNDL (A) -2024-01-11-04	Asymptomatic	NO	NO	23.58	23.64	MiniON Mk 1C	99.80%	JN.1.5
	hCoV-19/China/LNDL (A) -2024-01-31-12	Asymptomatic	NO	NO	27.75	26.48	MiniON Mk 1C	99.90%	JN.1.5
	hCoV-19/China/LNDL (A) -2024-01-31-13	Asymptomatic	NO	NO	25.56	22.84	MiniON Mk 1C	99.90%	JN.1.1

hCoV-19/China/LNDL (A) -2024-01-31-14	Asymptomatic	NO	NO	25.7	23.36	MiniON Mk 1C	99.90%	JN.1.1
hCoV-19/China/LNDL (A) -2024-01-31-15	Asymptomatic	NO	NO	28.17	24.68	MiniON Mk 1C	96.70%	JN.1
hCoV-19/China/LNDL (A) -2024-01-31-16	Asymptomatic	NO	NO	26.72	24.01	MiniON Mk 1C	97.80%	JN.1
hCoV-19/China/LNDL (A) -2024-01-31-17	Asymptomatic	NO	NO	19.86	18.66	MiniON Mk 1C	99.90%	JN.1
hCoV-19/China/LNDL (A) -2024-01-31-18	Asymptomatic	NO	NO	24.18	21.06	MiniON Mk 1C	99.90%	BA.2.86.1
hCoV-19/China/LNDL (A) -2024-01-31-19	Asymptomatic	NO	NO	22.29	20.3	MiniON Mk 1C	99.90%	JN.1
hCoV-19/China/LNDL (A) -2024-01-31-20	Asymptomatic	NO	NO	24.92	24.21	MiniON Mk 1C	99.80%	JN.1
hCoV-19/China/LNDL (A) -2024-01-31-21	Asymptomatic	NO	NO	28.93	27.85	MiniON Mk 1C	99.60%	JN.1
hCoV-19/China/LNDL (A) -2024-01-31-22	Asymptomatic	NO	NO	29.03	27.93	MiniON Mk 1C	99.80%	JN.1
hCoV-19/China/LNDL (A) -2024-01-31-23	Asymptomatic	NO	NO	27.96	25.65	MiniON Mk 1C	99.90%	JN.1.1
hCoV-19/China/LNDL (A) -2024-01-31-24	Asymptomatic	NO	NO	24.66	22.96	MiniON Mk 1C	99.90%	JN.1
hCoV-19/China/LNDL (A) -2024-01-31-25	Asymptomatic	NO	NO	25.39	21.72	MiniON Mk 1C	99.90%	JN.1