

Supplementary material

Table S1. Effect of time on viral load (CT values) in each sample specimen.

Sampling	Intercept	Slope (time effect)
NP	28.0	0.34
Pool	29.1	0.28
TW	30.6	0.23
S	31.9	0.23
OP	32.8	0.20

Table S1 Linear mixed-effect model of CT value with respect to time, sampling methods and their interaction. The sampling methods are sorted by decreasing slope.

Table S2. Comparison of the agreement between NP and TW (Cohen's kappa coefficient) at T1

		TW		
NP		Negative	Positive	Total
	Negative	4 (5.9)	7 (10.3)	11 (16.2)
	Positive	15 (22.1)	42 (61.8)	57 (83.8)
	Total	19 (27.9)	49 (72.1)	68 (100.0)

Table S3. Effect of rhinorrhea on the probability of detecting SARS-CoV-2 at T1

Swab	Categories	Total N	Covariate: Rhinorrhea				Rhinorrhea = Yes				
			No (n = 51)		Yes (n = 22)		Coeff	SE	OR	95% CI	p value
			N	N (%)	N	N (%)					
TW			50		21		1.59	0.80	4.89	1.02–23.53	0.047
	Negative	19		17 (34.0)		2 (9.5)					
	Positive	52		33 (66.0)		19 (90.5)					
NP			49		19		−0.94	0.68	0.39	0.10–1.48	0.17
	Negative	11		6 (12.2)		5 (26.3)					
	Positive	57		43 (87.8)		14 (73.7)					
Pool			35		10		−0.94	0.84	0.39	0.07–2.03	0.26
	Negative	8		5 (14.3)		3 (30.0)					
	Positive	37		30 (85.7)		7 (70.0)					
S			46		20		0.12	0.58	1.13	0.36–3.52	0.83
	Negative	21		15 (32.6)		6 (30.0)					
	Positive	45		31 (67.4)		14 (70.0)					
OP			48		18		−0.11	0.56	0.89	0.30–2.66	0.84
	Negative	28		20 (41.7)		8 (44.4)					
	Positive	38		28 (58.3)		10 (55.6)					
R			22		6		12.18	210.7	12.3	/	0.21*
	Negative	27		22 (100.0)		5 (83.3)					
	Positive	1		0 (0.0)		1 (16.7)					

Table S4. Effect of fever on the probability of detecting SARS-CoV-2 at T1

Swab	Categories	Total N	Covariate: Fever				Fever = Yes				
			No (n = 57)		Yes (n = 16)		Coeff	SE	OR	95% CI	p value
			N	N (%)	N	N (%)					
TW			55		16		1.99	1.07	7.30	0.89–59.66	0.064
	Negative	19		18 (32.7)		1 (6.2)					
	Positive	52		37 (67.3)		15 (93.8)					
NP			53		15		1.18	1.09	3.25	0.38–27.71	0.28
	Negative	11		10 (18.9)		1 (6.7)					
	Positive	57		43 (81.1)		14 (93.3)					

Swab	Categories	Total N	Covariate: Fever				Fever = Yes				
			No (n = 57)		Yes (n = 16)		Coeff	SE	OR	95% CI	p value
			N	N (%)	N	N (%)					
S	Negative	21	51	20 (39.2)	15	1 (6.7)	2.20	1.07	9.03	1.1–74.13	0.041
	Positive	45		31 (60.8)		14 (93.3)					
Pool	Negative	8	34	6 (17.7)	11	2 (18.2)	−0.037	0.90	0.96	0.16–5.65	0.97
	Positive	37		28 (82.4)		9 (81.8)					
OP	Negative	28	52	23 (44.2)	14	5 (35.7)	0.6	0.62	1.43	0.42–4.85	0.57
	Positive	38		29 (55.8)		9 (64.3)					
R	Negative	27	21	21 (100.0)	7	6 (85.7)	12.34	255.1	9.92*	/	0.25*
	Positive	1		0 (0.0)		1 (14.3)					

Table S5. Effect of sore throat on the probability of detecting SARS-CoV-2 at T1

Swab	Categories	Total N	Covariate: Sore throat				Sore throat = Yes				
			No (n = 58)		Yes (n = 15)		Coeff	SE	OR	95% CI	p value
			N	N (%)	N	N (%)					
TW	Negative	19	56	18 (32.1)	15	1 (6.7)	1.89	1.07	6.63	0.81–54.41	0.078
	Positive	52		38 (67.9)		14 (93.3)					
NP	Negative	11	57	9 (15.8)	11	2 (18.2)	−0.17	0.86	0.84	0.16–4.57	0.84
	Positive	57		48 (84.2)		9 (81.8)					
Salivary	Negative	21	52	18 (34.6)	14	3 (21.4)	0.66	0.71	1.94	0.48–7.86	0.35
	Positive	45		34 (65.4)		11 (78.6)					
Oropharynx	Negative	28	54	25 (46.3)	12	3 (25.0)	0.95	0.72	2.59	0.63–10.61	0.19
	Positive	38		29 (53.7)		9 (75.0)					
Pool	Negative	8	40	5 (12.5)	5	3 (60.0)	−2.35	1.03	0.095	0.01–0.72	0.023
	Positive	37		35 (87.5)		2 (40.0)					