

Recurrence of Positive SARS-CoV-2 Viral RNA in Recovered COVID-19 Patients During Medical Isolation Observation

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Figure S1. The comparison of antibody levels against SARS-CoV-2 among 133 none re-positive recovered COVID-19 patients and 14 re-positives. The average S/CO value of total Ab, IgA, IgG and IgM were compared between re-positives (green) and none re-positives (red). Black dot shown a positive result ($S/CO \geq 1$), and red dot shown a negative result ($S/CO < 1$). A two tailed independent sample t-test was used to show the significant difference between the two groups.

Group  none re-positivate  re-positivate

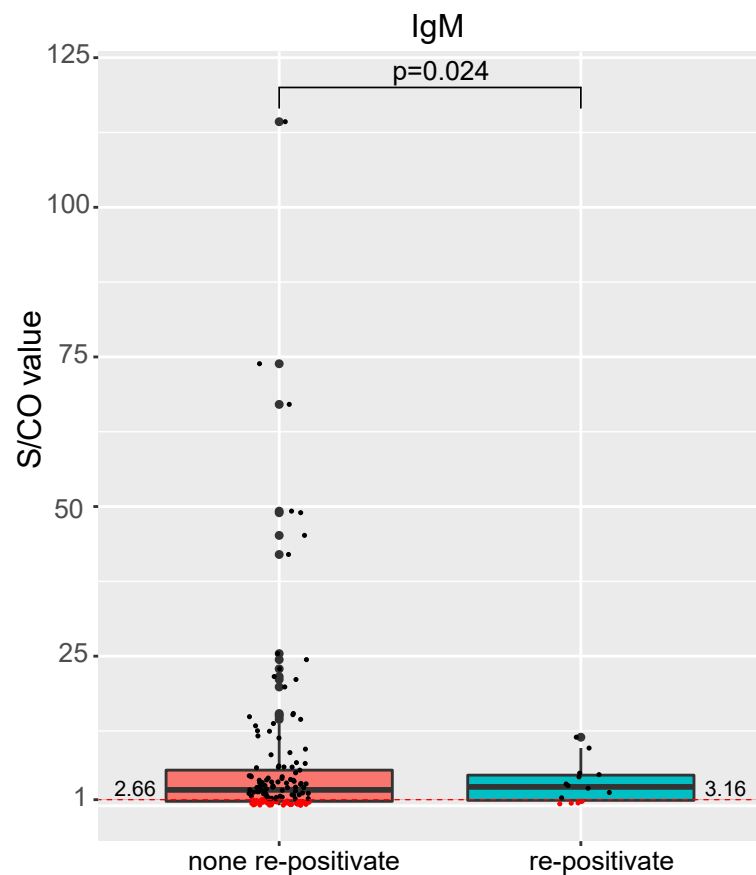
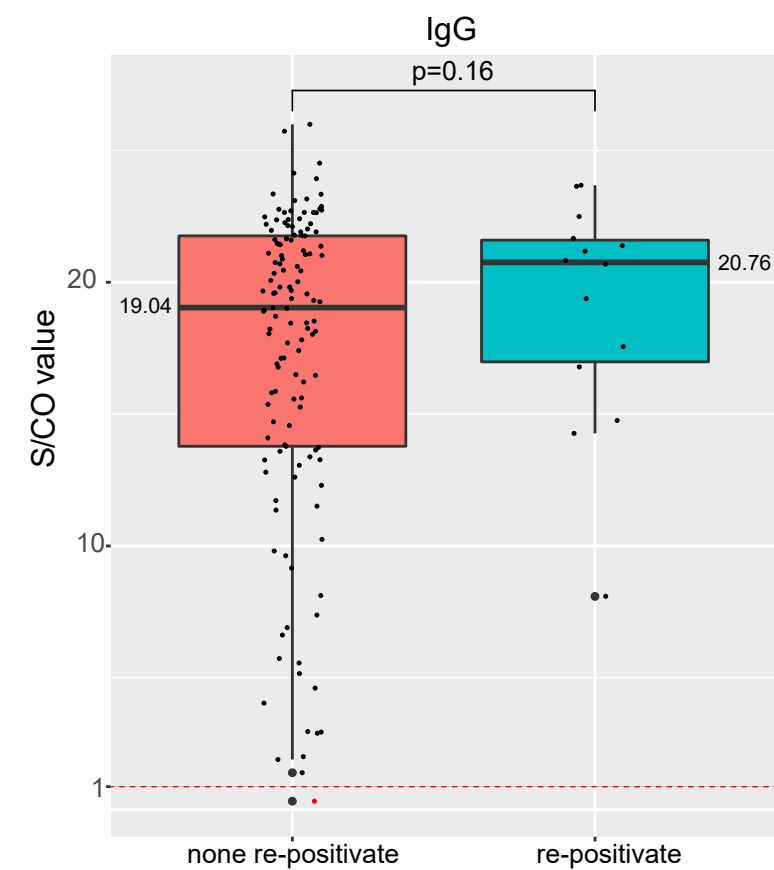
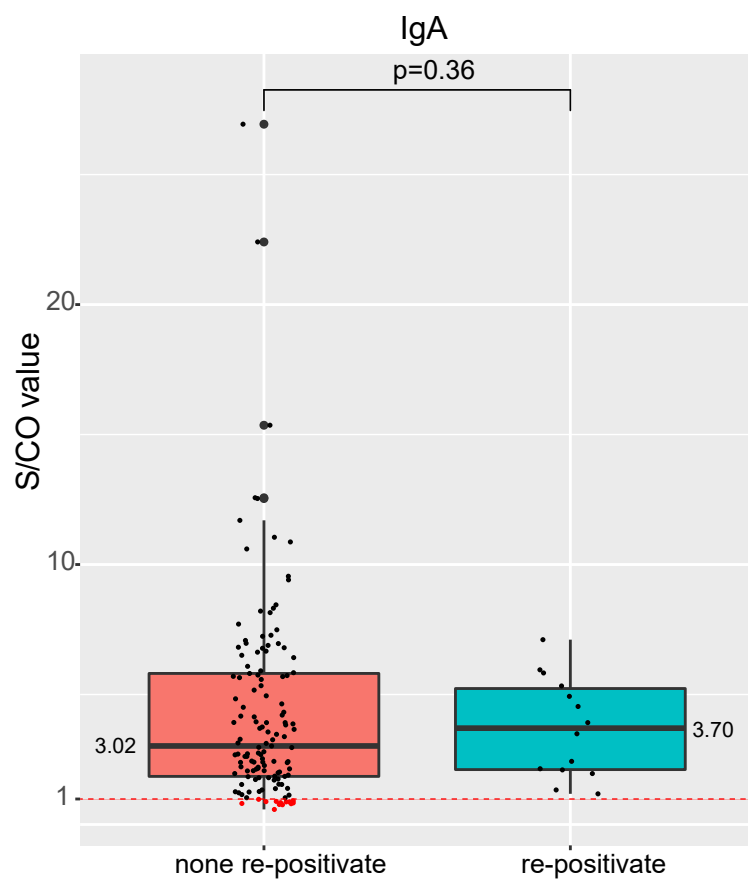
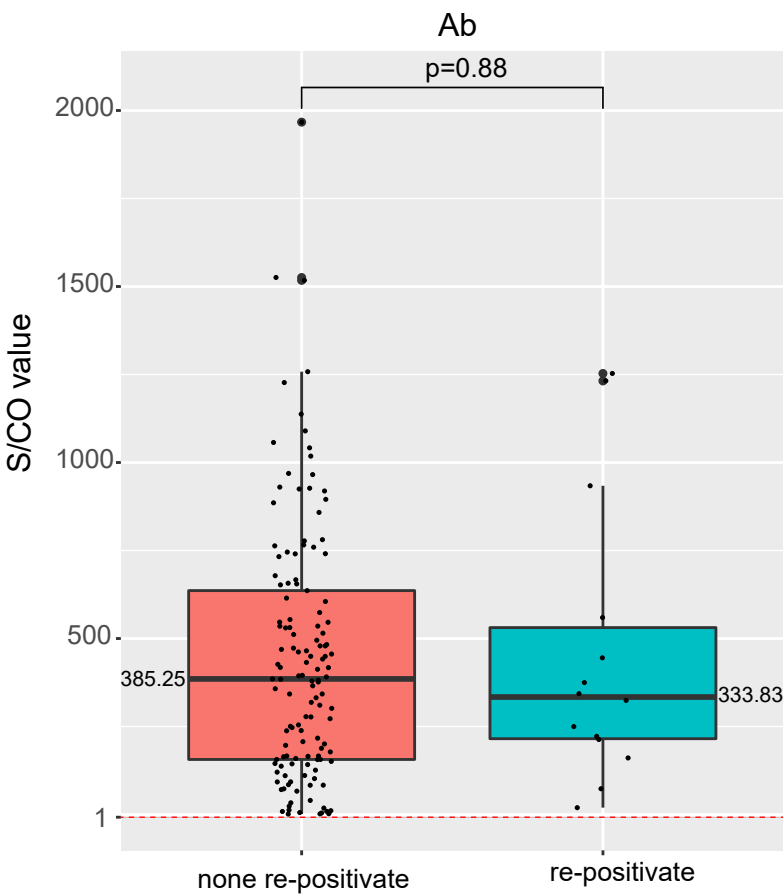


Table S1 Ct Value of 19 re-positive cases of SARS-CoV-2 Viral RNA RT-PCR test

	swab	Ct value		Ct value (re-test)	
		FAM(N)	VIC(ORF1ab)	FAM(N)	VIC(ORF1ab)
Case 1*	anal swab	-	40	33.18	38.25
Case 2	nasopharyngeal swab	31.19	34.75		
Case 4	nasopharyngeal swab	32.79	36.14		
Case 5	nasopharyngeal swab	32.98	37.83		
Case 6	nasopharyngeal swab	32.35	36.74		
Case 7*	nasopharyngeal swab	37.5	40	37.07	39.01
Case 8	anal swab	33.22	37.14		
Case 9*	anal swab	38.5	39.5	39	40
Case 10	nasopharyngeal swab	27.87	31.5		
Case 11	nasopharyngeal swab	32.9	36.43		
Case 12	nasopharyngeal swab	32.26	36.43		
Case 13	nasopharyngeal swab	37	39.5		
Case 14*	nasopharyngeal swab	39	-	34.69	39.12
Case 15	anal swab	35.13	-		
Case 16	nasopharyngeal swab	36.5	39		
Case 17	nasopharyngeal swab	35.5	38		
Case 18*	nasopharyngeal swab	37.92	-	39	-
Case 19	anal swab	33	35		
Case 20	nasopharyngeal swab	37.5	38.5		

-: $\Delta Ct > 40$, no Ct value shown.

*: Ct values are weak positive ($37 < \Delta Ct \leq 40$) for both N protein and ORF1ab, RT-PCR re-test was done next day, if Ct value ≤ 40 , a positive result would be reported.

Here we only get Ct value of 19 re-positive cases, the Ct value of Case 3 was missed.