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| Last undated by author(s): | May 14, 2020 |

Reporting Summary

x Life sciences

Nature Research wishes to improve the reproducibility of the work that we publish. This form provides structure for consistency and transparency in reporting. For further information on Nature Research policies, see <u>Authors & Referees</u> and the <u>Editorial Policy Checklist</u>.

| Statistics | | | | | |
|---|---|--|--|--|--|
| For all statistical analyse | s, confirm that the following items are present in the figure legend, table legend, main text, or Methods section. | | | | |
| n/a Confirmed | Confirmed | | | | |
| The exact samp | ble size (n) for each experimental group/condition, given as a discrete number and unit of measurement | | | | |
| A statement or | whether measurements were taken from distinct samples or whether the same sample was measured repeatedly | | | | |
| The statistical t | The statistical test(s) used AND whether they are one- or two-sided Only common tests should be described solely by name; describe more complex techniques in the Methods section. | | | | |
| 🔲 🗷 A description of all covariates tested | | | | | |
| A description o | 🔲 🗷 A description of any assumptions or corrections, such as tests of normality and adjustment for multiple comparisons | | | | |
| | A full description of the statistical parameters including central tendency (e.g. means) or other basic estimates (e.g. regression coefficient AND variation (e.g. standard deviation) or associated estimates of uncertainty (e.g. confidence intervals) | | | | |
| | For null hypothesis testing, the test statistic (e.g. <i>F</i> , <i>t</i> , <i>r</i>) with confidence intervals, effect sizes, degrees of freedom and <i>P</i> value noted Give <i>P</i> values as exact values whenever suitable. | | | | |
| For Bayesian ar | nalysis, information on the choice of priors and Markov chain Monte Carlo settings | | | | |
| For hierarchica | For hierarchical and complex designs, identification of the appropriate level for tests and full reporting of outcomes | | | | |
| Estimates of ef | fect sizes (e.g. Cohen's d , Pearson's r), indicating how they were calculated | | | | |
| • | Our web collection on statistics for biologists contains articles on many of the points above. | | | | |
| Software and co | ode | | | | |
| Policy information about | t availability of computer code | | | | |
| | Provide a description of all commercial, open source and custom code used to collect the data in this study, specifying the version used OR state that no software was used. | | | | |
| , | Statistical analysis was performed using Stata version 15.1 (StataCorp, College Station, 123 Texas) and GraphPad Prism 8.0 (GraphPad Software, Inc., San Diego). | | | | |
| | malgorithms or software that are central to the research but not yet described in published literature, software must be made available to editors/reviewers. eposition in a community repository (e.g. GitHub). See the Nature Research guidelines for submitting code & software for further information. | | | | |
| Data | | | | | |
| Accession codes, uniqA list of figures that h | t <u>availability of data</u> clude a <u>data availability statement</u> . This statement should provide the following information, where applicable: que identifiers, or web links for publicly available datasets ave associated raw data estrictions on data availability | | | | |
| The datasets generated during and/or analyzed during the current study are available from the corresponding author on reasonable request. | | | | | |
| Field-specif | fic reporting | | | | |

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Behavioural & social sciences

Ecological, evolutionary & environmental sciences

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| Lite scien | ces study design | | | |
|---|--|--|--|--|
| All studies must disclose on these points even when the disclosure is negative. | | | | |
| Sample size (| No sample size calculation was performed. Samples were collected on a best-effort basis, bearing in mind resource and manpower limitations. | | | |
| Data exclusions | o data were excluded from the analysis. | | | |
| | e sampling protocol is detailed in the manuscript, and further clarification details can be requested from the corresponding author, to allow reproducibility of the sampling methods. | | | |
| Randomization | There was no randomization involved in this study. | | | |
| Blinding | was no blinding involved in this study. | | | |
| Reporting for specific materials, systems and methods We require information from authors about some types of materials, experimental systems and methods used in many studies. Here, indicate whether each material, system or method listed is relevant to your study. If you are not sure if a list item applies to your research, read the appropriate section before selecting a response. Materials & experimental systems Methods | | | | |
| Human resea | rch participants | | | |
| Policy information about studies involving human research participants | | | | |
| Population charact | teristics 30 patients with confirmed SARS-CoV-2 infection were recruited (median age 50, 46.7% male). | | | |
| Recruitment | Patients with a SARS-CoV-2 infection confirmed by a polymerase chain reaction (PCR)-positive respiratory sample within the prior 72 hours were included. | | | |
| Ethics oversight | cs oversight Informed consent was waived as clinical data were collected as part of outbreak investigation under the Infectious Diseases Act authorized by the Ministry of Health. | | | |
| Note that full informat | on on the approval of the study protocol must also be provided in the manuscript. | | | |
| Clinical data | | | | |
| Policy information about <u>clinical studies</u> All manuscripts should comply with the ICMJE <u>auidelines for publication of clinical research</u> and a completed <u>CONSORT checklist</u> must be included with all submissions. | | | | |
| Clinical trial registr | gistration N.A. | | | |
| Study protocol | N.A. | | | |
| Data collection | Data were collected by study investigators from the medical records. | | | |
| Outcomes | N.A. | | | |