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Reporting Summary

n/a

Nature Portfolio 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 Portfolio policies, see our <u>Editorial Policies</u> and the <u>Editorial Policy Checklist</u>.

Statistics				
For all statistical analyses, confirm that the following items are present in the figure legend, table legend, main text, or Methods section.				
n/a Confirmed				
The exact sample size (n) for each experimental group/condition, given as a discrete number and unit of measurement				
A statement on whether measurements were taken from distinct samples or whether the same sample was measured repeatedly				
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 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 <i>Give P values as exact values whenever suitable.</i>				
For Bayesian analysis, information on the choice of priors and Markov chain Monte Carlo settings				
For hierarchical and complex designs, identification of the appropriate level for tests and full reporting of outcomes				
Estimates of effect sizes (e.g. Cohen's d, Pearson's r), indicating how they were calculated				
Our web collection on <u>statistics for biologists</u> contains articles on many of the points above.				
Software and code				
Policy information about <u>availability of computer code</u>				
Data collection All data was recorded using the Research Electronic Data Capture (REDCap) database				
Data analysis n/a				
For manuscripts utilizing custom algorithms or software that are central to the research but not yet described in published literature, software must be made available to editors and reviewers. We strongly encourage code deposition in a community repository (e.g. GitHub). See the Nature Portfolio guidelines for submitting code & software for further information.				
Data				
Policy information about <u>availability of data</u> All manuscripts must include a <u>data availability statement</u> . This statement should provide the following information, where applicable: - Accession codes, unique identifiers, or web links for publicly available datasets - A description of any restrictions on data availability - For clinical datasets or third party data, please ensure that the statement adheres to our <u>policy</u>				

Human research participants				
Policy information	about <u>studies i</u>	nvolving human research participants and Sex and Gender in Research.		
Reporting on sex	and gender	n/a		
-	_	see below		
Population chara	cteristics			
Recruitment		see below		
Ethics oversight		This study is part of the Pa-COVID-19 study of the Charité 19 and approved by the Ethics Committee of the Charité - Universitätsmedizin Berlin in accordance with the 1964 Declaration of Helsinki and its later amendments (EA2/066/20)		
Note that full informa	Note that full information on the approval of the study protocol must also be provided in the manuscript.			
Field-spe	ecific re	porting		
<u>-</u>		s the best fit for your research. If you are not sure, read the appropriate sections before making your selection.		
Life sciences	□ в	ehavioural & social sciences		
For a reference copy of t	the document with	all sections, see <u>nature.com/documents/nr-reporting-summary-flat.pdf</u>		
Life scier	nces stu	udy design		
All studies must disclose on these points even when the disclosure is negative.				
Sample size	COVID-19 and	re included in this observational study. Patients were selected based on a screening questionnaire with mild to moderate persistent symptoms of moderate to severe fatigue and exertion intolerance six months post-infection in the absence of c, respiratory, neurological, or psychiatric comorbidty.		
Data exclusions		elevant cardiac, respiratory, neurological, or psychiatric comorbidty and in the absence of PCR or serology (SARS-CoV-2 IgG/initial symptoms including loss of smell and taste.		
Replication	corresponding	e provided with this paper. Pseudonymized patient data may be available upon written reasonable request to the author (CK). Additional documents including the protocol synopsis and informed consent form are available as supplementary original submission.		
Randomization	n/a			
Blinding	n/a			
2	.,, -			
Reportin	g for sp	pecific 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				
Antibodies		ChIP-seq		
Eukaryotic				
Palaeontology and archaeology MRI-based neuroimaging				

Palaeontology and archaeology Animals and other organisms

Dual use research of concern

Clinical data

Clinical data

Policy information about <u>clinical studies</u>

All manuscripts should comply with the ICMJE guidelines for publication of clinical research and a completed CONSORT checklist must be included with all submissions.

Clinical trial registration Pa-COVID-19 is registrated at the German Clinical Trials Register and WHO International Clinical Trials Registry Platform (DRKS00021688)

Study protocol https://pubmed.ncbi.nlm.gov/32535877/

Data collection Data collection began in August seventh 2020 and for this manuscript final date was November 27th 2020, the study is ongoing

Outcomes n/a.