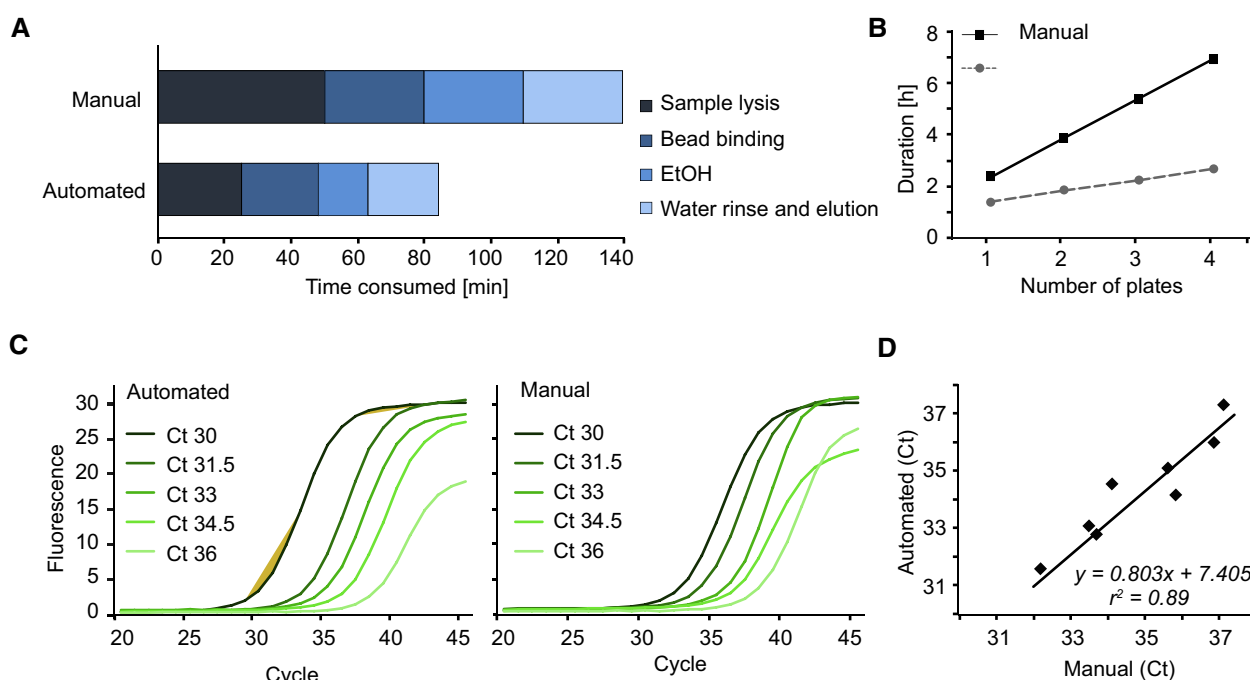
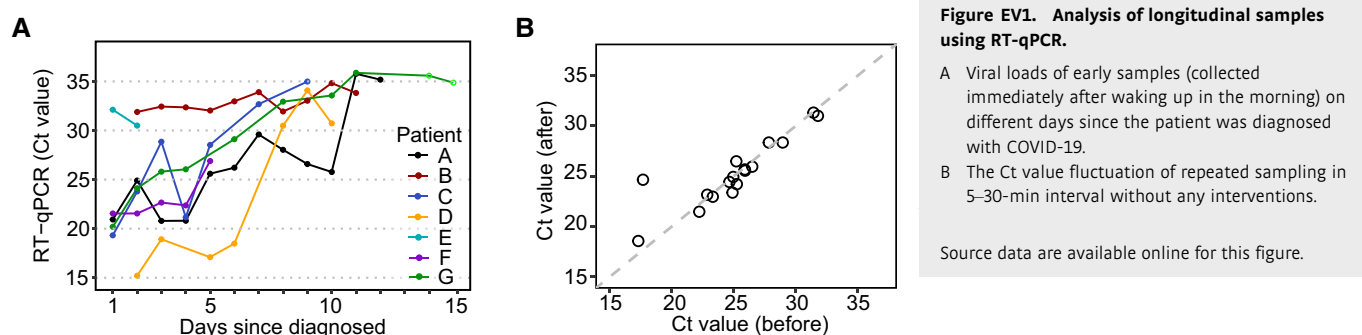


Expanded View Figures



Barcode: XXXXXXXXXXXX

Access code: XXXXXXXXXXXX

Rack: VT-XXX

Bag:

ID: XX

Name: unnamed bag

Comment:

Handed out on:

Handed out by:

Recipient:

1) Sample information

History

Edited on	Status	Comment	Status assigned by
2022-04-05 09:33:33	INFO	accessed page	
2022-04-04 17:25:15	INFO	accessed page	
2022-04-04 15:08:00	LAMPPOS3	. Rack: VT-0480	
2022-04-04 11:01:51	RECEIVED		
2022-02-15 13:37:09	PRINTED		

2) Sample status tracking

What does the participant see?

Registrations

Decrypt registrations

Change status of sample

Status of sample

▼

▼

3) Manual change of sample status

4) Test participants' view

Figure EV4. Example entry in the database user interface.

The database user interface allowed the test station personnel to track and edit all registered samples. Labels in gray were translated from German into English. (1) Sample information: Samples were identified by their barcode on the Micronic test tube. Additionally, the distribution of test kit bags ("Abnehmer") could be documented, for example, to settle the costs of testing. (2) Sample status tracking: Individual samples were assigned a corresponding status, which was updated in each phase of the workflow. These include the generation of an access code for each Micronic test tube before distribution of the test kit to a participant (PRINTED), sample arrival at the test station (RECEIVED), RT-LAMP results (LAMPNEG versus LAMPPOS or LAMPINC in case of uncertainty) and the result retrieval by the test participant (INFO - accessed page; not visible for the test participant). (3) Manual change of sample status: The test station personnel could edit the sample status, e.g. after verification of a positive result via RT-qPCR (PCRNEG/PCRPOS). (4) The test participants' view allowed the test station personnel to view the result page, which was shown to the user with the current status set.



Figure EV5. Detailed characterization of sequenced SARS-CoV-2 viral genomes with the detected mutations per sample.

- A Phylogenetic placement of the 27 obtained genome sequences (triangles) on the Nextclade tree of 1849 reference SARS-CoV-2 genome sequences (representing the genetic diversity of circulating SARS-CoV-2 at the time of the analysis).
- B Mutations of the 27 whole-genome sequences in comparison to the original reference strain (Wuhan-Hu-1). Sequences were grouped and ordered according to their phylogenetic placement. Specific signature mutations that define the various Nextstrain clades are indicated when present in the analyzed samples. Stretches of genomic sequence with insufficient sequencing coverage for reliable mutation calling are indicated by orange boxes. The completeness of each genomic sequence is shown on the right.

Source data are available online for this figure.