# TECHNICAL PAPER #06

READ-OUT OF 4EVERYONE DETECTION KIT RESULTS WITH QUANT STUDIO PLUS-MINUS SOFTWARE

Section 1

Open the Experiment Data

Make sure there was a connection between QuantStudio and the laptop after the run so the measured data were transmitted automatically.
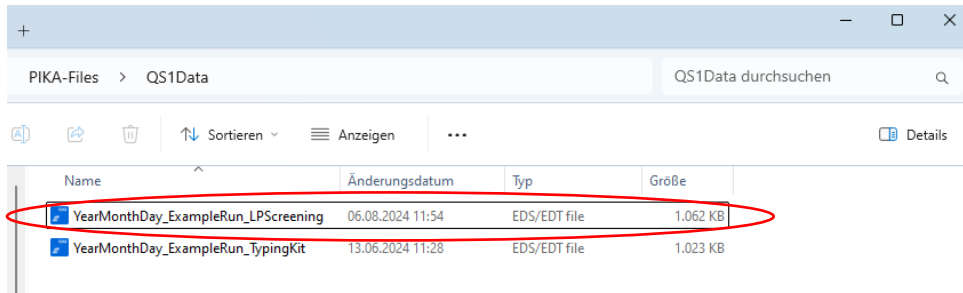
- Start your laptop and log in as INSTR-USER, password INSTR-USER
- On the desktop, three folders are shown together with the Design and Analysis program
- If your desktop is not assigned in that way, have a look on the picture in the following how to make shortcuts to these folders
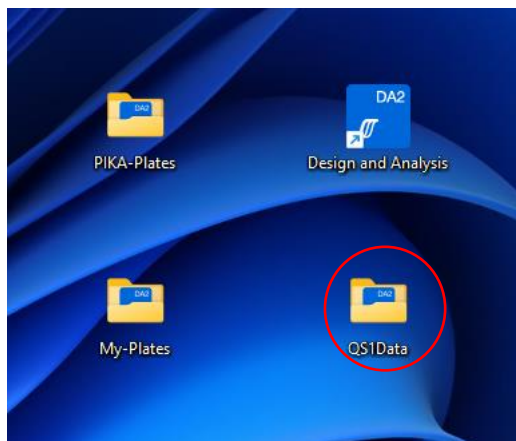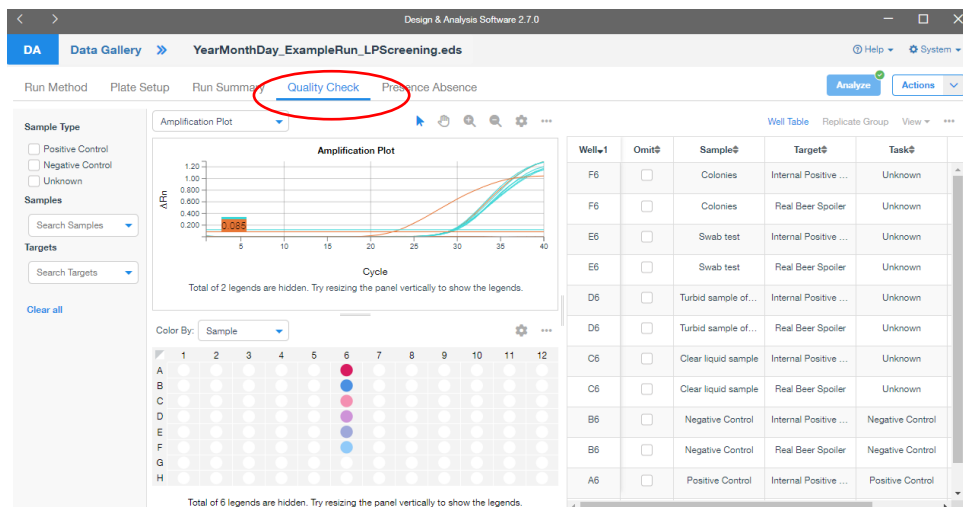

- Double click on the folder "QS1Data"

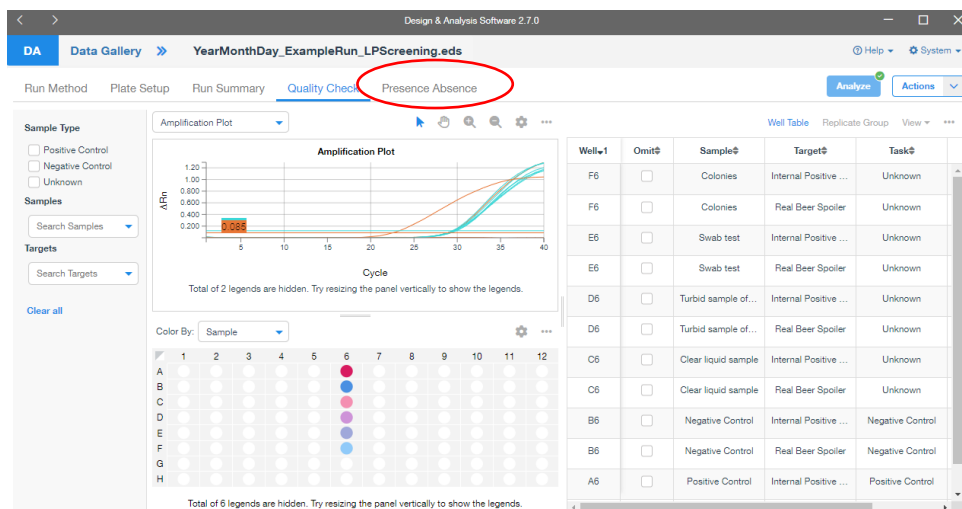| Name	Änderungsdatum	Typ	Größe
My-Plates	29.05.2024 04:41	Dateiordner	
PIKA-Plates	15.07.2024 14:08	Dateiordner	
QS1Data	15.07.2024 14:08	Dateiordner	

- If the shortcuts to these three folders are not available on the desktop, you can find the folders here: "This PC →AB SW&DATA (D:)→PIKA-Files"
- Create a desktop shortcut for the folder
  - o Right-click on the folder and select "Send to" -> "Desktop (create shortcut)"

TECHNICAL PAPER #06

READ-OUT OF 4EVERYONE DETECTION KIT RESULTS WITH QUANT STUDIO PLUS-MINUS SOFTWARE


- All experiment runs are displayed in the folder "QS1Data"
- *Optional:* If the connection between Quant Studio and your laptop was interrupted during the run, the data file was not transferred to the QS1Data folder but is saved on the Quant Studio instrument only
    - o Transfer the results data file manually
    - o Refer to PIKA-TP-03, page 10, for a brief description how to manually transfer a data file from QuantStudio instrument to your laptop
- Double click on the experiment run with the name you want to evaulate, here for example "YearMonthDay_ExampleRun_LPScreening"
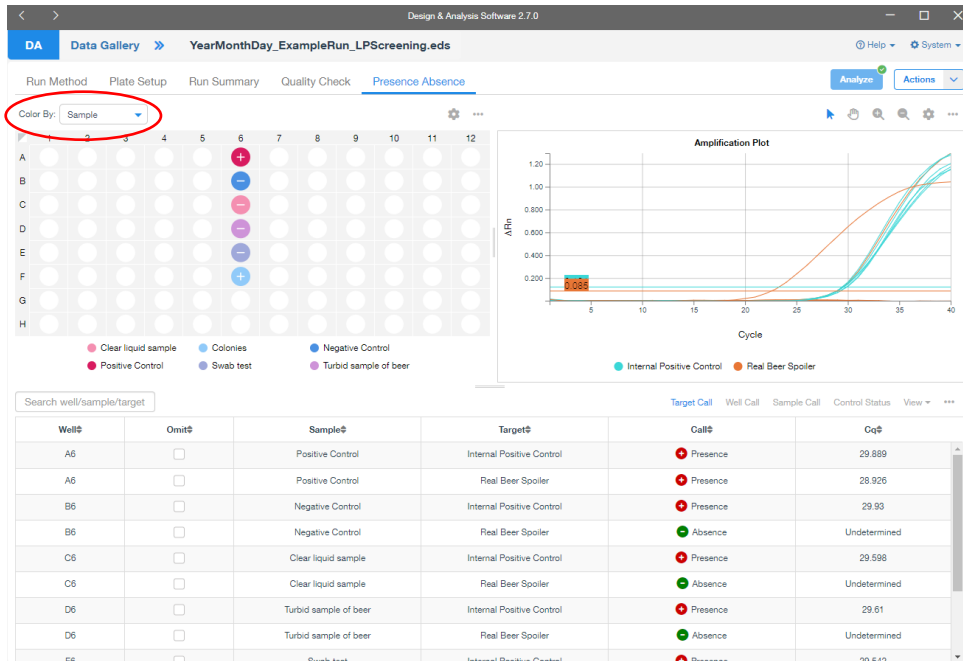- The DA2 software opens automatically in a new window that displays the tab "Quality Check"

- The view "Quality Check" is used only for troubleshooting

TECHNICAL PAPER #06

READ-OUT OF 4EVERYONE DETECTION KIT RESULTS WITH QUANT STUDIO PLUS-MINUS SOFTWARE

- Change to table "Presence Absence" for automated plus-minus read-out of results by a click on "Presence Absence"
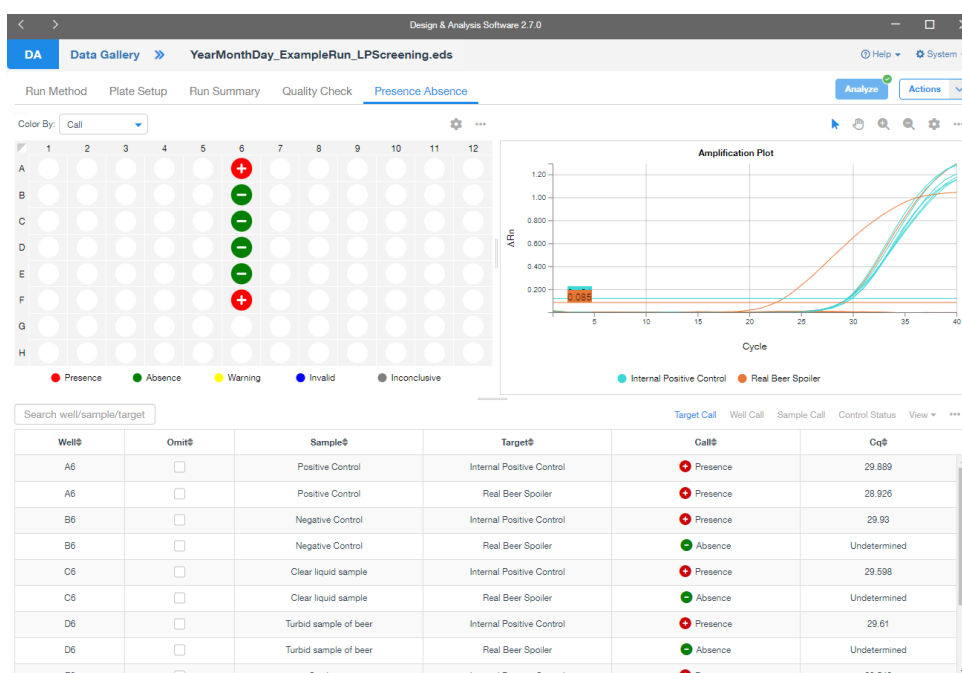
- Now the the plus minus results from the run are shown
- A green minus stands for "Absence" meaning the sample is negative for this test (Cq > 38,5)
- A red plus stands for "Presence" meaning the sample is positive for this test (Cq ≤ 38,5)
- In the table you can see the results of your samples including the Cq values
- The graph gives you information if the curves have a regular sigmoid shape

TECHNICAL PAPER #06

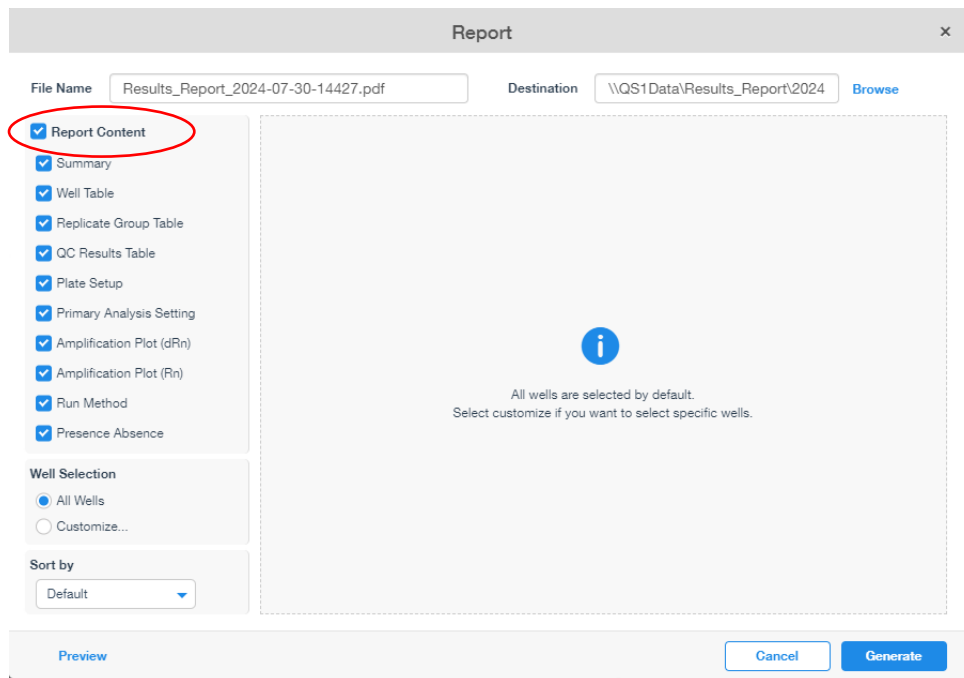## READ-OUT OF 4EVERYONE DETECTION KIT RESULTS WITH QUANT STUDIO PLUS-MINUS SOFTWARE

- In case the plate gives multicolor dots instead of the green minus and red plus icons, make sure you have activated "Color By: Call", not "Color By: Sample"
- You can change the view by a click on the blue triangle and select "Call"
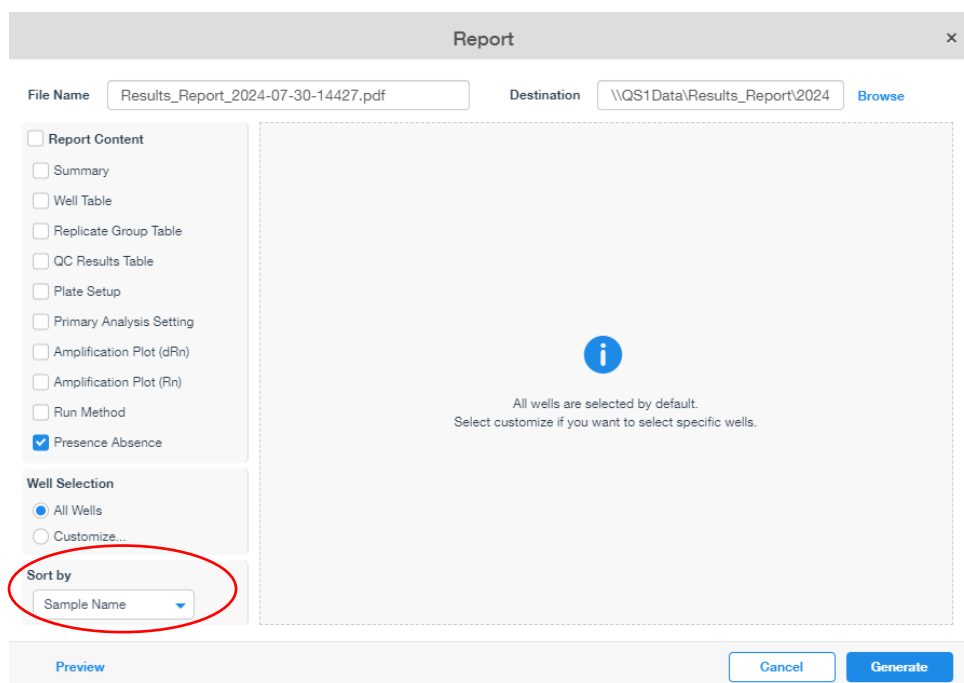
Section 2

Generate a Report
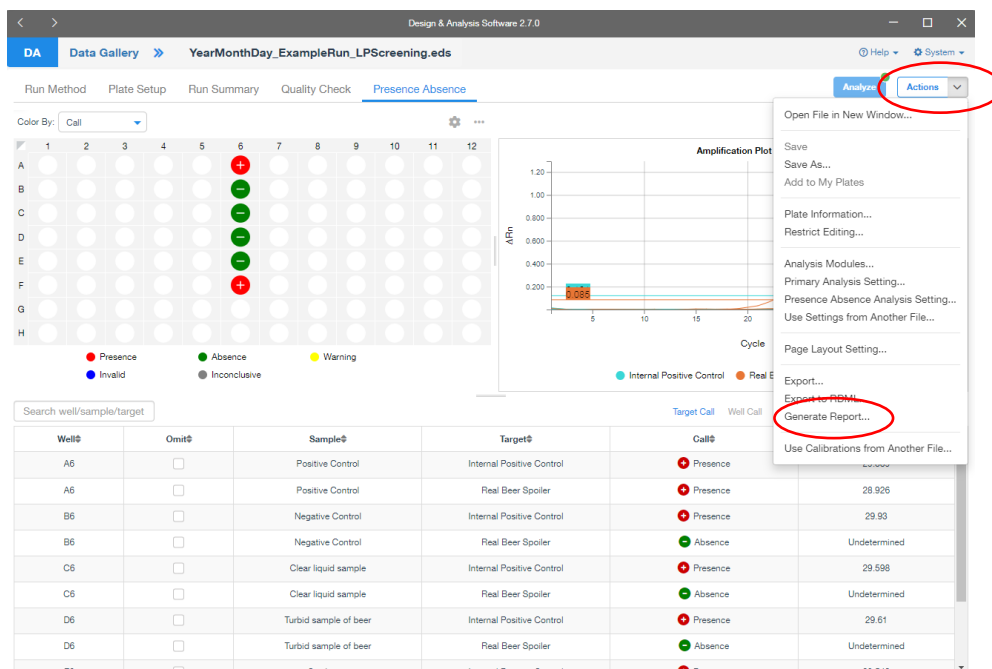
- To export your data to a .pdf report, click on "Actions"
- From the menue which opens, choose "Generate Report…"

TECHNICAL PAPER #06

READ-OUT OF 4EVERYONE DETECTION KIT RESULTS WITH QUANT STUDIO PLUS-MINUS SOFTWARE

- Adjust the selection of information which shall be included in the report
  - o First activate and then immediately inactivate all checkmarks for "Report Content" by two following clicks on "Report Content"
  - o Then tick "Presence Absence"

- Click on the blue triangle "Sort by" and select "Sample Name"

READ-OUT OF 4EVERYONE DETECTION KIT RESULTS WITH QUANT STUDIO PLUS-MINUS SOFTWARE

- Give your report an unique name
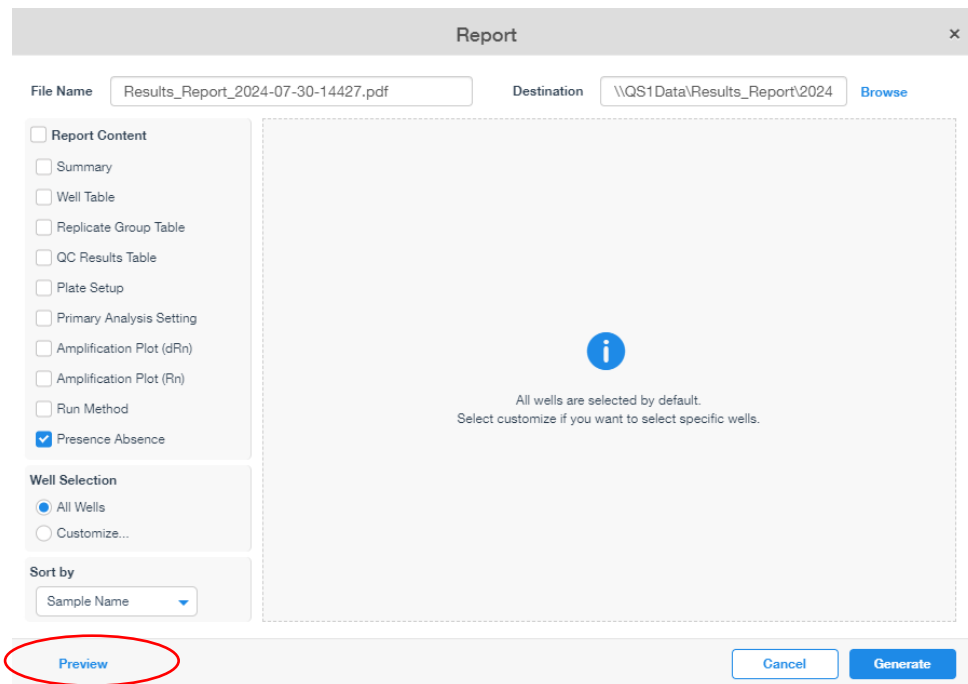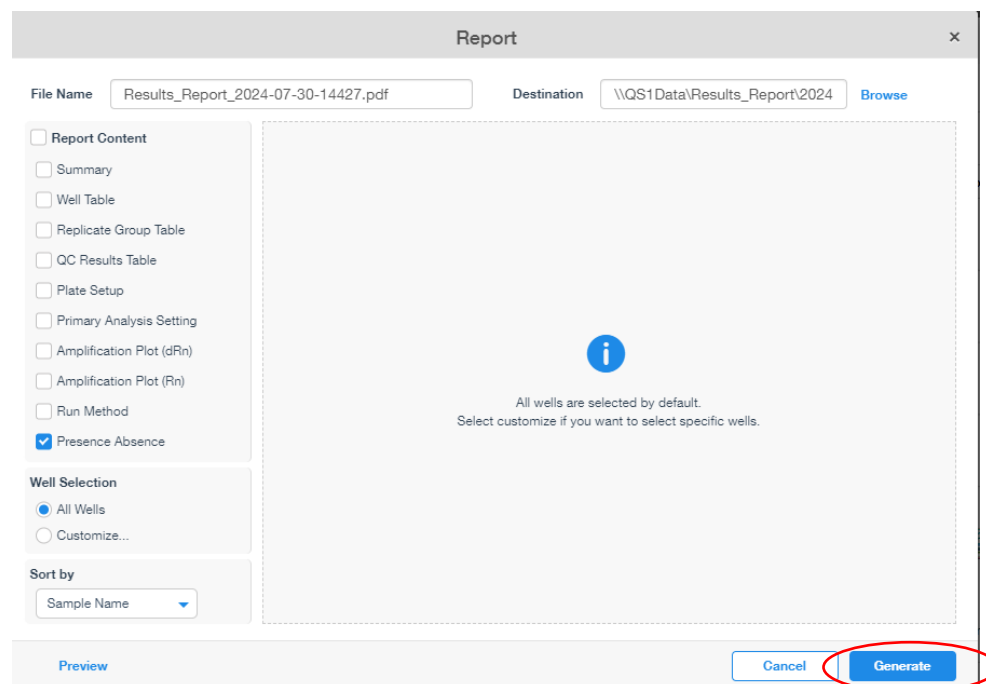
- Choose the destination for the report by a click on "Browse" and select the folder where you want to save the report

READ-OUT OF 4EVERYONE DETECTION KIT RESULTS WITH QUANT STUDIO PLUS-MINUS SOFTWARE

- Before you save the report, you can
    o select more information to be included in the report
    o check if the content of the report is matching your needs by a click on "Preview" in the bottom left corner

- Click on "Generate" to save the report at the destination you chose before