

Qlucore Data Files (*.gedata)

A Qlucore data file contains a complete [data frame](#), including sample and variable annotations. It is a tab-delimited text file. It has the file name extension *.gedata*.

A Qlucore data file does not contain any information about the [colors](#) used to represent the values of a sample attribute in a plot. That information can be stored in a [supplementary data file](#).

The file format has been designed to make it easy to create a file by copying and pasting in a spread sheet application, such as Excel or OpenOffice.

How to open a Qlucore data file

- Select the *File* → *Open* menu item.
- Select the file and press *Open*.

You can also drag and drop the file from Finder to Qlucore Omics Explorer, or double click on the file in Finder. Files that have been used recently can be opened through the *File* → *Recent Data Files* menu.

How to save a Qlucore data file

- Select the *File* → *Save As* menu item.
- Select the *Qlucore Data (*.gedata)* file filter.
- Select the file name and press *Save*.
- Select options and press *OK*.

The following options are available:

- Save all samples or just the [active samples](#)
- Save all variables or just the [active variables](#)
- Save [reconstructed missing values](#) or leave the missing values blank (only available if there are missing values)
- Save the original data or the [logarithms](#) of the original data (only available if all non-missing values are positive)

How to create a Qlucore data file

- Copy and paste the data into spread sheet, following the layout below.
You can use any spread sheet application, such as Excel or OpenOffice.
- Save the spread sheet as a tab-delimited text file.
Use the file name extension *.gedata*.

The layout of the spread sheet is best explained through an example. Consider the following [data frame](#):

| Array | 5301 | 5302 | 5303 | 5304 |
|--------|--------|------|------|--------|
| Age | 34 | 22 | 47 | 41 |
| Gender | Female | Male | Male | Female |

| Probe Set | Symbol |
|-----------|--------|
|-----------|--------|

| | |
|-----------|------|
| 201341_at | ENC1 |
| 204831_at | CDK8 |
| 205420_at | PEX7 |
| 218032_at | SNN |
| 221289_at | DLX6 |

| | | | |
|-------|-------|-------|-------|
| 2.28 | -1.23 | | 0.45 |
| 1.04 | 0 | -0.03 | 0 |
| -0.67 | 3.14 | 2.18 | 0.53 |
| -1.34 | 2.34 | -0.30 | 2.73 |
| 2.73 | 1.07 | 0.83 | -1.52 |

In a spread sheet application, this data frame should be arranged as follows:

| | | | | | | |
|-----------|-----------|-------------|--------|-------------|-------|-------------|
| glucose | gedata | version 1.0 | | | | |
| | | | | | | |
| 4 | samples | with | 3 | annotations | | |
| 5 | variables | with | 2 | annotations | | |
| | | | | | | |
| | | Array | 5301 | 5302 | 5303 | 5304 |
| | | Age | 34 | 22 | 47 | 41 |
| | | Gender | Female | Male | Male | Female |
| Probe Set | Symbol | | | | | |
| 201314_at | ENC1 | | 2.28 | -1.23 | | 0.45 |
| 204831_at | CDK8 | | 1.04 | 0 | -0.03 | 0 |
| 205420_at | PEX7 | | -0.67 | 3.14 | 2.18 | 0.53 |
| 218032_at | SNN | | -1.34 | 2.34 | -0.3 | 2.73 |
| 221289_at | DLX6 | | 2.73 | 1.07 | 0.83 | -1.52 -1.52 |

It is also possible to create a [transposed gedata file](#), where the samples are stored as rows and the variables as columns.