

11. Export result files

11.1 NPX file

The NPX file is a Parquet or CSV-file that can be generated from NPX Map. It contains the following information about the project in table format:

Column	Description	Type	Typical value
SampleID	The annotated sample ID	String	
Sample Type	Type of sample	String	PLATE_CONTROL, NEGATIVE_CONTROL, CONTROL, SAMPLE
WellID	Id for well	String	Capital letter A–H followed by number 1–12
PlateID	Name of the plate the sample was run on	String	
DataAnalysisRefID	Reference ID for data analysis	String	
OlinkID	OlinkID for assay	String	
UniProt	UniProt ID for assay	String	
Assay	Gene name for assay	String	
AssayType	Type of assay	String	Amp_ctrl, inc_ctrl, ext_ctrl
Panel	Panel name	String	Reveal
Block	Name of the block the sample was run on	String	1, 2, 3, 4, 5, 6, 7, or 8
Count	The total number of counts	Integer	Greater than or equal to 1
ExtNPX	Intermediate value between count and NPX: log2 of the ratio between data-point Count value and the count for the Extension Control assay for the same sample.	Double	-1.94701
NPX	NPX value	Double	
Normalization	Type of normalization used in project	String	Plate control, Intensity or EXCLUDED
PCNormalizedNPX	NPX value displayed if plate control normalization has been chosen.	Double	1.735509
AssayQC	Overall QC status for an assay	String	NA, PASS, WARN
SampleQC	Overall QC status for a sample in a block	String	NA, PASS, WARN, FAIL
MapVersion	Software version of the module in NPX Map used for panel calculations and normalization	String	

11.2 Extended NPX file

The Extended NPX file is a Parquet or CSV-file generated by the NPX Map CLI and NPX Map. It contains all the columns in the NPX file, plus the set of additional columns listed below.

- IntraCV
- InterCV
- SampleBlockQCWarn
- SampleBlockQCFail
- BlockQCFail
- AssayQCWarn

For more information, refer to the NPX™ Map CLI Technical Information.

11.3 Analysis Report

The analysis report is a pdf file generated by the NPX Map CLI and NPX Map. It summarizes the quality analysis of the project. It contains basic information and descriptions of the project. It also contains a summary of the Quality control including sample passed QC.

The Analysis Report contains the following:

- Project information
 - Sample matrix
 - Project specific comments
- Quality control
 - QC summary
- Data output
- Software version information
- Appendix - A table including the following columns
 - Olink Panel
 - Block
 - UniProt
 - Assay Olink ID