

Chrom2i1 – Installation Notes (Windows)

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What it does

Chrom2i1 (ChromIQ → i1Profiler) turns a ChromIQ RGB patch file (CGATS .txt) into an i1Profiler-ready file with the patch order fixed and SampleIDs renumbered 1...N. You drag the ChromIQ file onto a .bat file; the result is saved next to it as `<name>-i1Profiler.txt`.

Requirements

Windows 10 or 11 with its built-in Windows PowerShell 5.1. Nothing else needs installing, and no administrator rights are required.

Installation

1. Create a folder for the tool, e.g. `C:\Tools\Chrom2i1`.
2. Copy both files into that same folder: `Chrom2i1.bat` and `Chrom2i1.ps1`. The .bat looks for the .ps1 beside it.
3. Unblock the downloaded files: right-click each file → Properties → tick **Unblock** → OK. Skip this if there is no Unblock box.
4. Optional: right-click `Chrom2i1.bat` → Show more options → Send to → Desktop (create shortcut). You can drop files onto the shortcut too.

Usage

1. Drag one or more ChromIQ .txt files onto `Chrom2i1.bat` (or its shortcut). A console window opens.
2. When asked, type the ChromIQ matrix per page as ROWSxCOLS, e.g. `12x8` for the 192-patch chart or `5x3` for the 15-patch test, then press Enter.
3. Check the new order and page layout shown in the window, then press any key to close it.
4. Load `<name>-i1Profiler.txt` from the same folder as the source file into i1Profiler.

To skip the prompt, add the matrix to the file name, e.g. `Chart-192p-ChromIQ_12x8.txt`. The patch count must be a whole number of pages ($192 = 2 \times 12 \times 8$).

Troubleshooting

Symptom	Fix
Window flashes and closes, or "cannot find Chrom2i1.ps1"	Keep the .bat and .ps1 in the same folder.
"running scripts is disabled" / security warning	Unblock both files (Installation step 3). The .bat already bypasses the execution policy for this script only.
"N patches is not a whole number of RxC pages"	Re-enter the matrix; rows $\times$ cols must divide the patch count.
"SampleIDs are not sequential"	The source must list SampleIDs 1, 2, 3... in order, as ChromIQ exports them.
"WARNING: duplicate RGB"	Two patches share the same RGB values; the file is still written. Check the chart in ChromIQ.
Path with <code>&</code> or <code>%</code> fails	Rename the folder or file to remove those characters.