

Zebrafish Dataset Practical 4

For the final practical, we're going to use a new dataset. It's the remaining drug – nicotine - from the same experiment as the amphetamine and oxycodone datasets. Before you begin, copy the files “Nic.counts.tsv” and “Nic.samples.tsv” from “penelopeprime” to your home directory.

Alternatively, you can download the files from:

<https://funcgen2022.buschlab.org/downloads/Nic.counts.tsv>

<https://funcgen2022.buschlab.org/downloads/Nic.samples.tsv>

For the final practical, we'd like you to produce two panels of a figure:

1. The first panel should be a descriptive one that summarises the data in some way, for example, a heatmap or a volcano plot.
2. The second panel should illustrate the function of the significant genes in some way, for example, using ClueGO or Reactome.

Put your completed figures - with filenames corresponding to your name - on “penelopeprime” in the Day 4 folder and at the end of the session we'll all have a look at them and compare notes!