

Zebrafish Dataset Practical 4

This practical can be done on any of the comparisons – it's up to you which you choose. Before you begin, copy the files you want from “penelopeprime” to your home directory.

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 on “penelopeprime” in the Day 4 Practical folder and at the end of the session we'll all have a look at them and compare notes!

Note: One thing you might need to know is the number of each column in your data file. Here's a quick example command for getting that info:

```
head -1 inf_5dpf_hom_vs_sib.sig.tsv | sed -e  
's/\t/\n/g' | less -N
```

For info, sed makes modifications to a stream of text (**stream editor**). Here it's converting all the tabs in the header line into new lines. The -N option of less just adds line numbers.

Also, if you'd like to talk to us this afternoon about your own data then please put a note in the living document (<http://bit.ly/zebrafish2019>) in the consultation section with your name and what you specifically want to talk about. Just so we can plan things.

Whilst you're in the living document, you might also like to add your details to the networking section. Last year the participants also set up a Facebook group, but we instructors don't really use Facebook. We do, however, use a system called Fleep to communicate within the Busch Lab so we've set up a Fleep group just for this course. Feel free to join it if you'd like to stay in touch

with us and with each other. We'd love to hear about your progress and would be happy to try to answer any questions you've got. You can join via:

<https://fleep.io/chat/guP9mqIpQG27Xhdkpwq8CA>