

Grouped plots

Group plots

The plots for the paper need to be grouped into larger figures. The roughly planned grouping so far can be seen in the file `figure_group_planning.md`.

Load dependencies

ggplotify function

The facet packages (patchwork and cowplot facet_grid etc) dont seem to work with non-ggplot plots. So this function is here to convert the plots to ggplot format

Figure 1 - Explanatory and introductory plots

Here is an example of Figure 1

Figure 2 - Overview results

These figures are meant to give a general idea of how many results there are, and show that they make sense.

Here is Fig 2

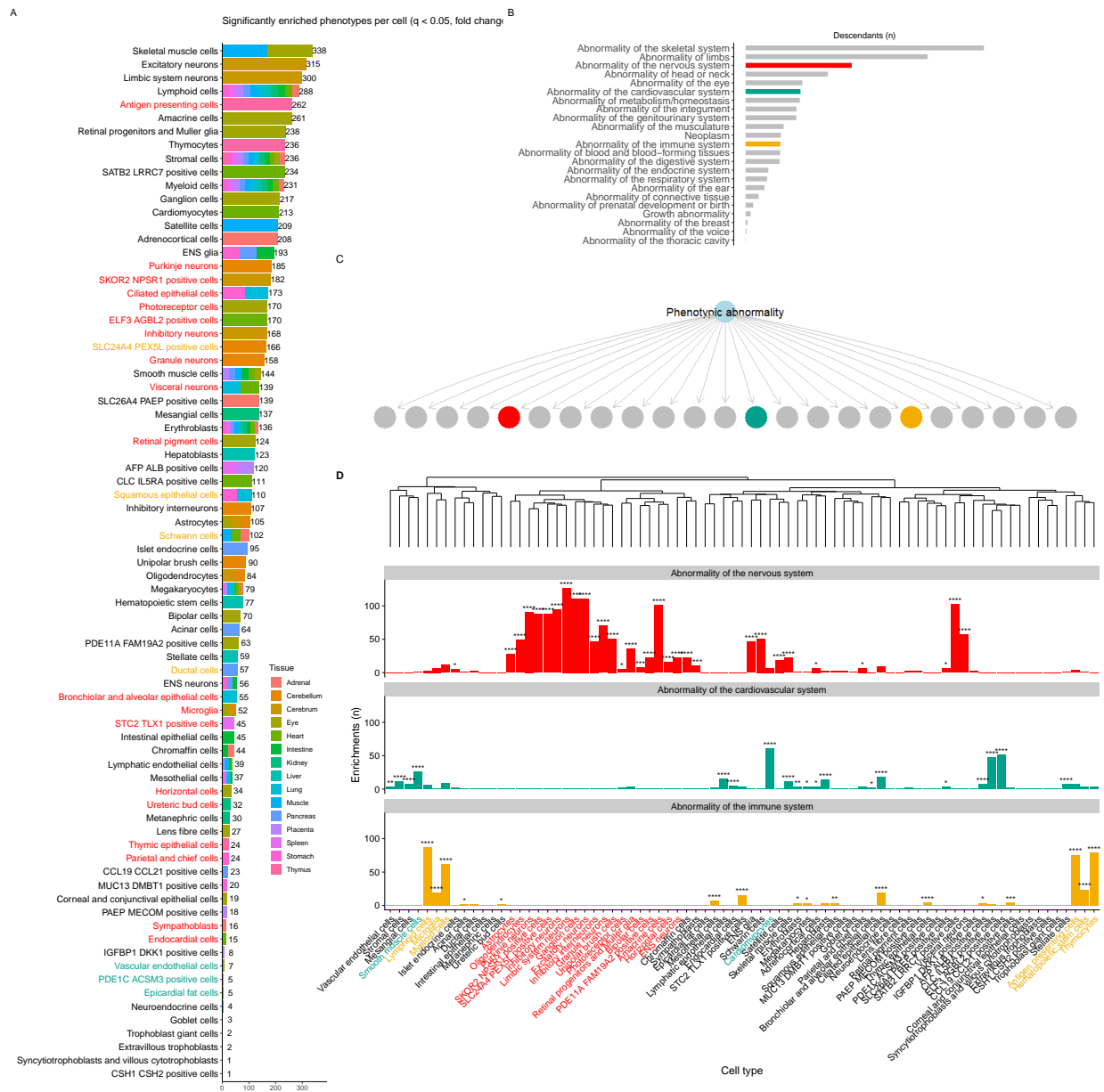


Figure 2: **Overview results** plots describing the number of significant results.

Testing ggnetwork plot

```
## adjacency_matrix
```

```
## ggnetwork_plot
```

```
## Warning: Vectorized input to 'element_text()' is not officially supported.
```

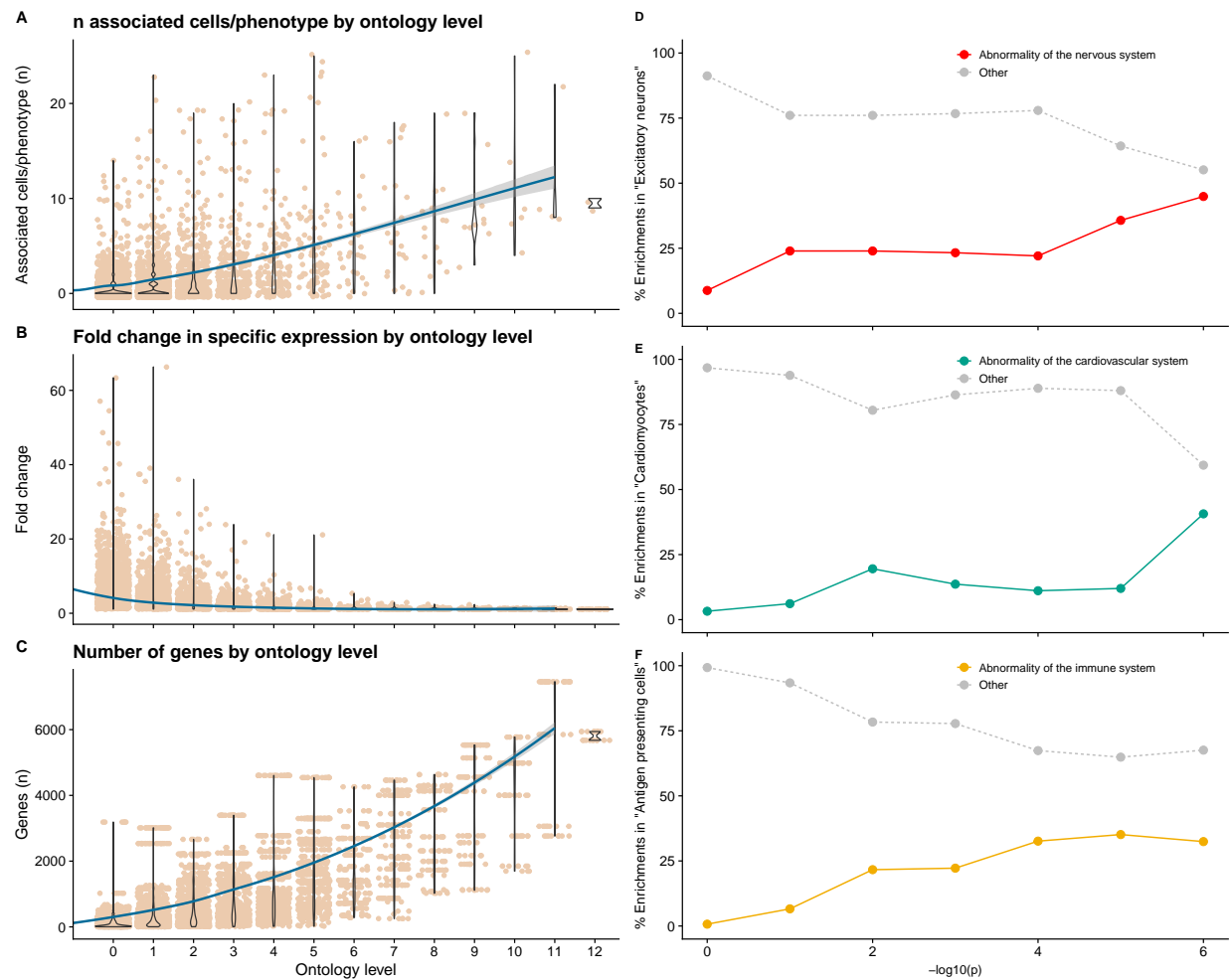
```
## Results may be unexpected or may change in future versions of ggplot2.
```



Not sure if this looks good here, but could be useful somewhere for showing the network structure and highlighting certain phenotypes by colour?

Figure 3 HPO Patterns and relationships

These show common patterns seen in HPO, related to ontology level, n genes etc.



Here is Fig ??

Figure 4 infections

```
## adjacency_matrix
```

```
## ggnetwork_plot
```

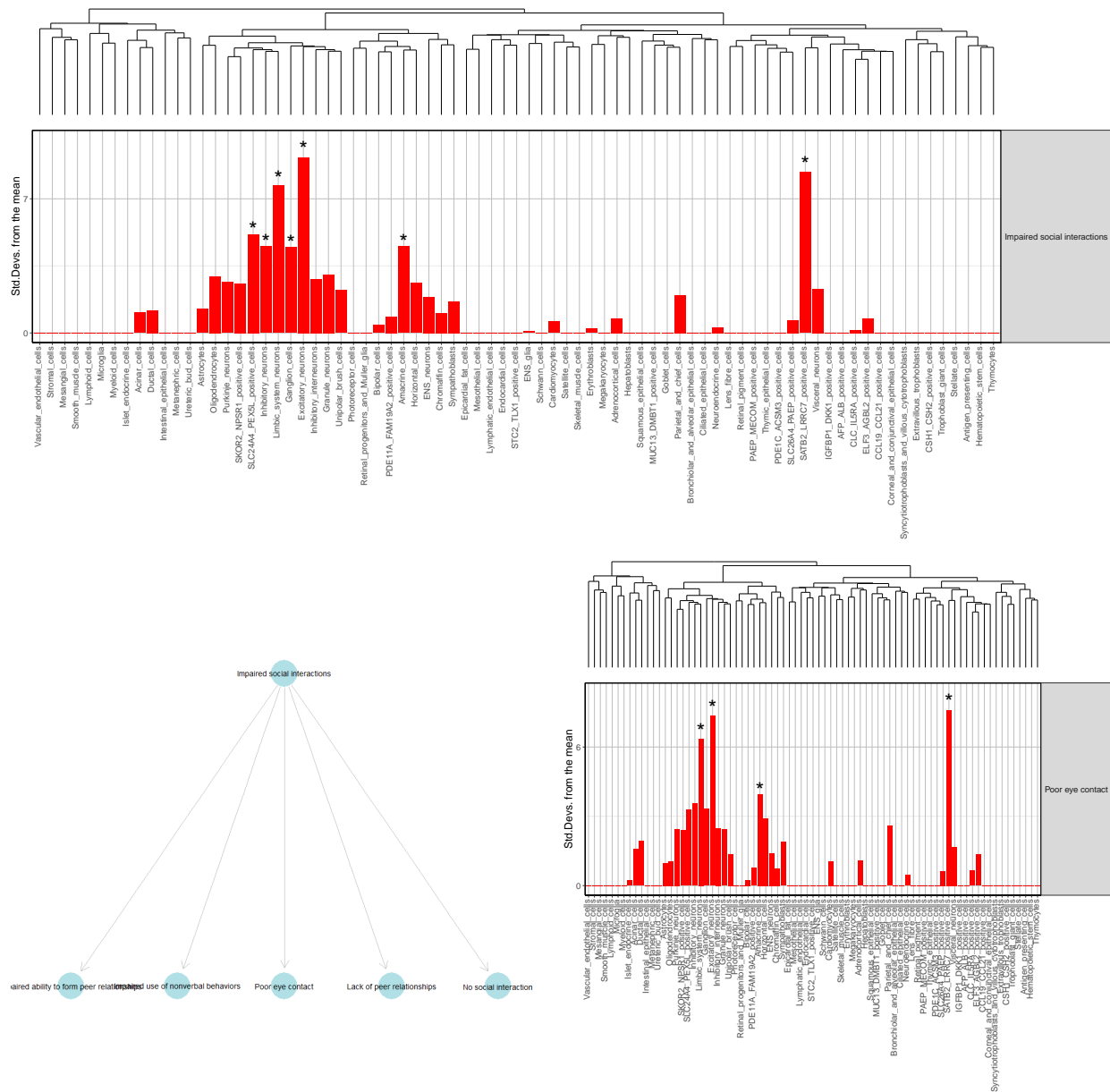
```
## Saving 6.5 x 4.5 in image
```

Here is Fig 4

Figure - social interactions

```
## Scale for 'x' is already present. Adding another scale for 'x', which will
## replace the existing scale.

## Scale for 'x' is already present. Adding another scale for 'x', which will
## replace the existing scale.
```



Here is Fig ??

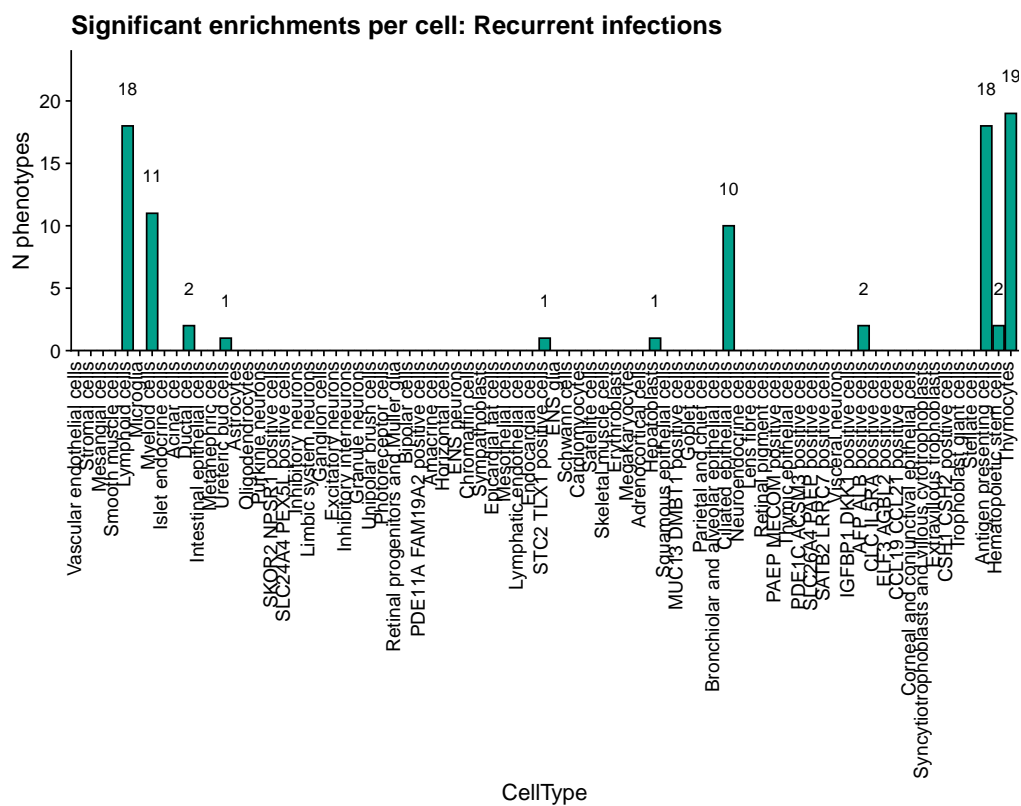
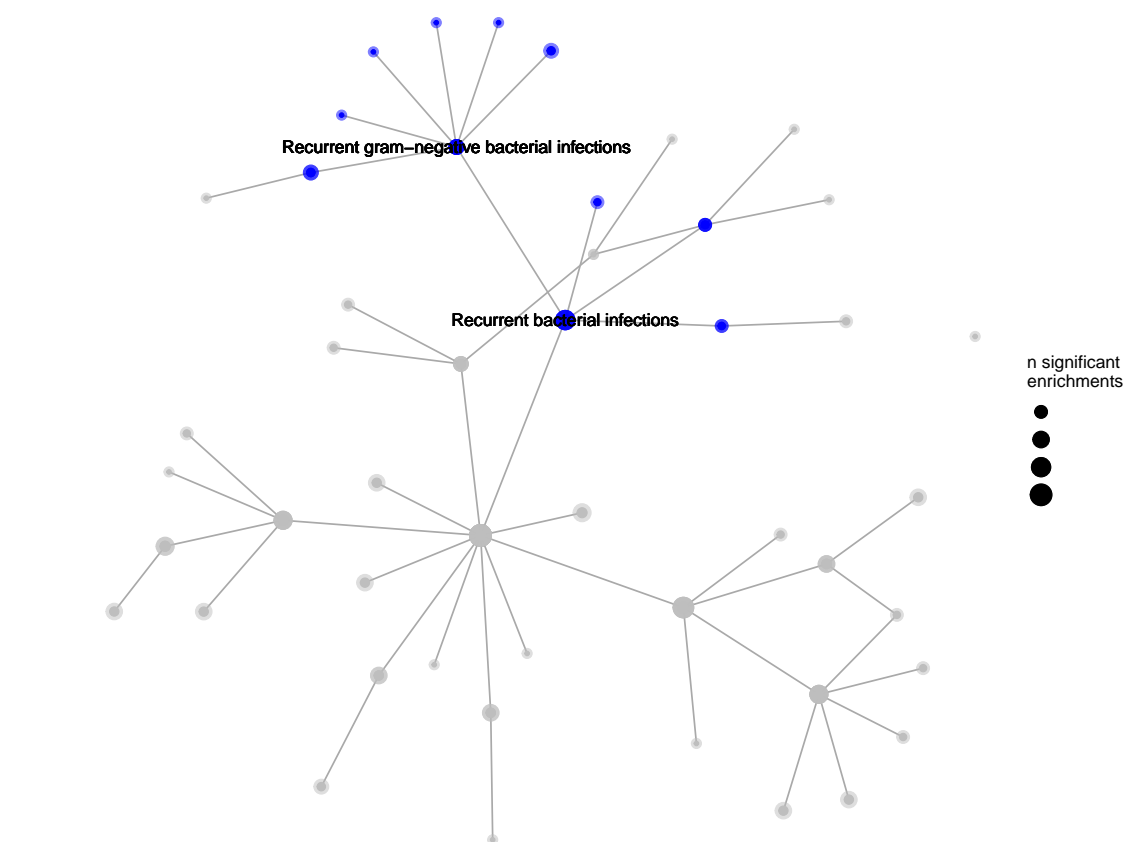


Figure 3: **Recurrent infections** Cells associated with recurrent infections.

