

Figure 1

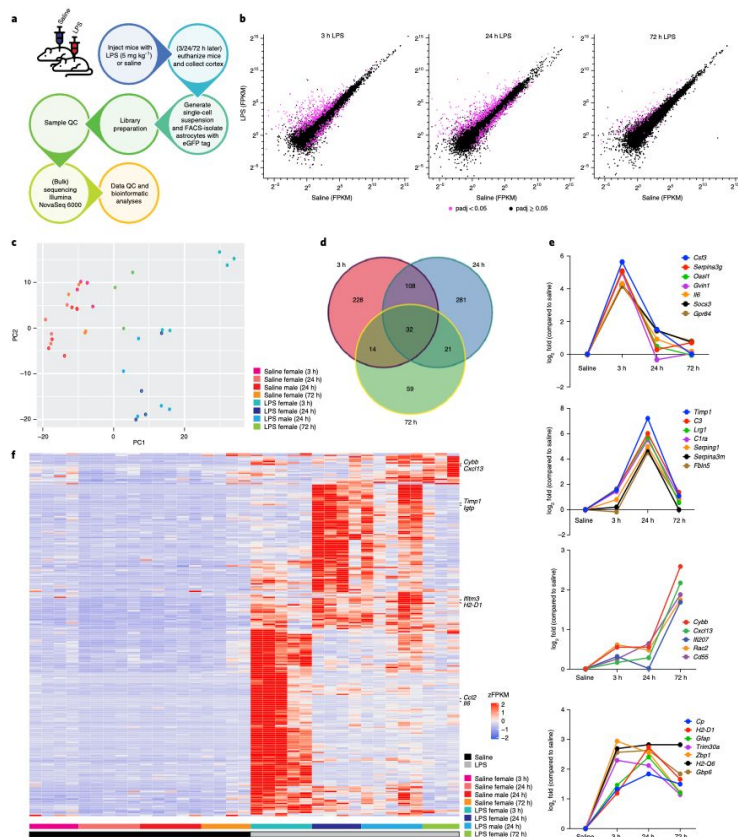


Fig. 1 | Astrocytes undergo a fast inflammatory transition that drastically changes over time. **a**, Schematic of experimental approach for astrocyte bulk sequencing of saline- and LPS-injected *Aldh111eGFP* mice. **b**, FPKM scatter plots of all analyzed genes of FACS-purified astrocytes comparing saline- to LPS-injected female mice at 3 h, 24 h and 72 h after injection. Genes highlighted in purple are $P_{adj} < 0.05$, saline 3 h ($n = 4$ animals), 24 h ($n = 5$), 72 h ($n = 4$) and LPS 3 h ($n = 5$), 24 h ($n = 4$) and 72 h ($n = 3$). **c**, PCA of samples in **b** and saline- and LPS-injected male mice at 24 h after injection (saline $n = 5$, LPS $n = 5$). **d**, Venn diagram of genes induced ≥ 1 log2 fold with $P_{adj} < 0.05$ in any of three time points (female mice). **e**, log2 fold induction of genes primarily induced at 3 h (top panel), 24 h (second panel) or 72 h (third panel) as well as genes significantly upregulated at all three time points (bottom panel), all female. **f**, Heat map of genes strongly induced (≥ 2 log2 fold with $P_{adj} < 0.05$, z-transformed FPKM values) in any of the three time points and clustered according to the induction pattern over time, all three time points of female mice plus the 24-h injection time point for male mice.

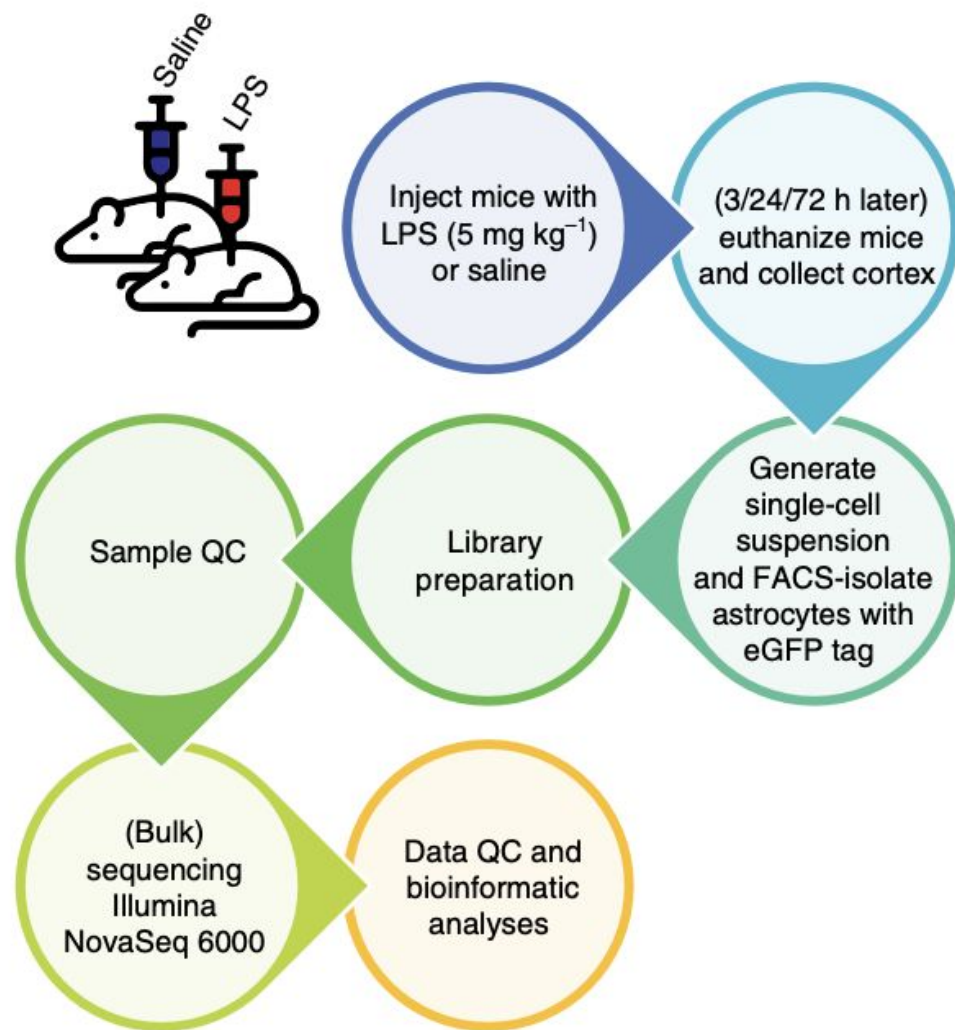
For each figure plot/result, focus on:

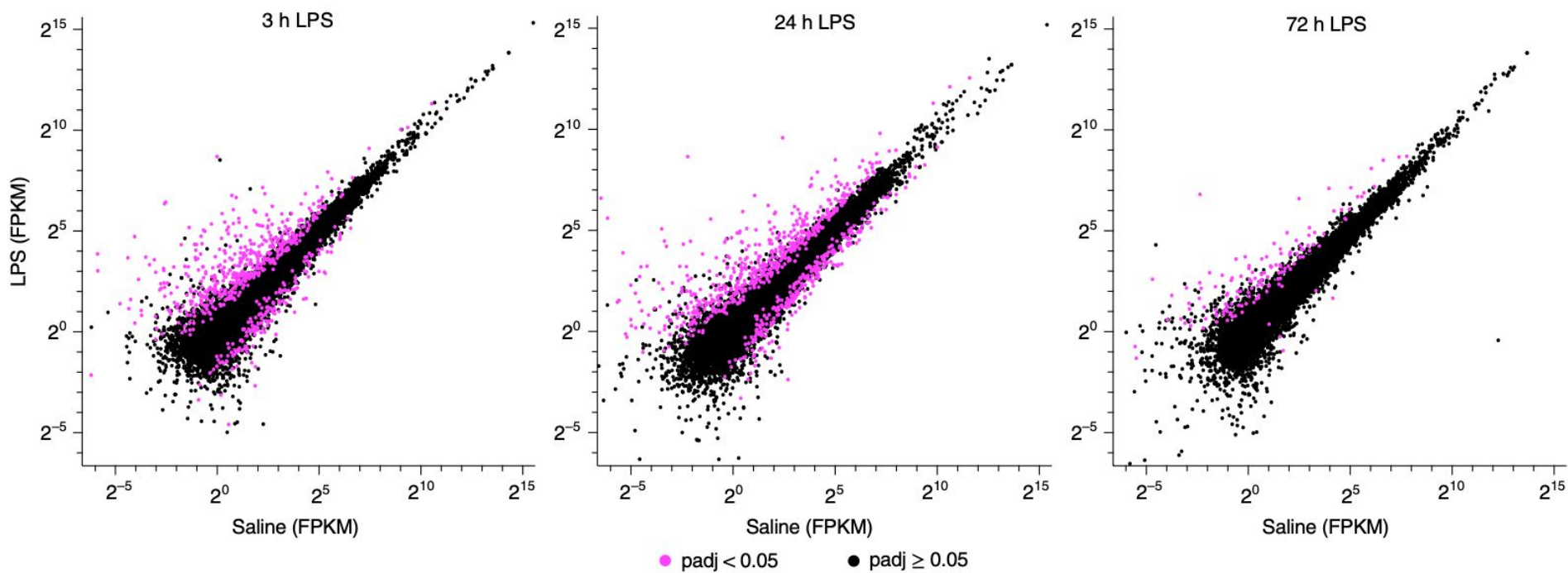
- What is a dot, column, and/or row represents
- X-axis unit
- Y-axis unit
- Overarching conclusion

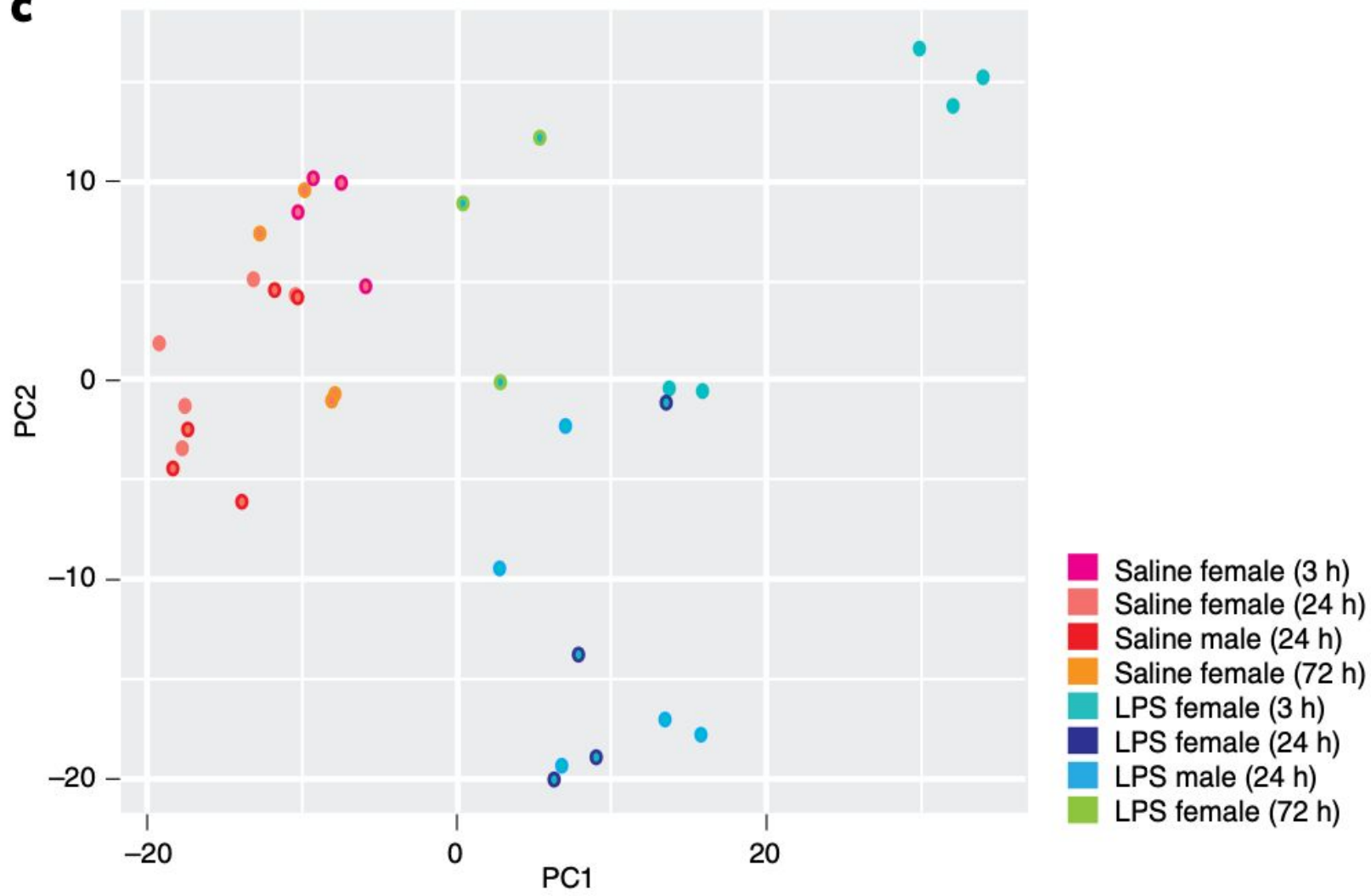
Try not to:

- Get hung-up on the technical minutiae

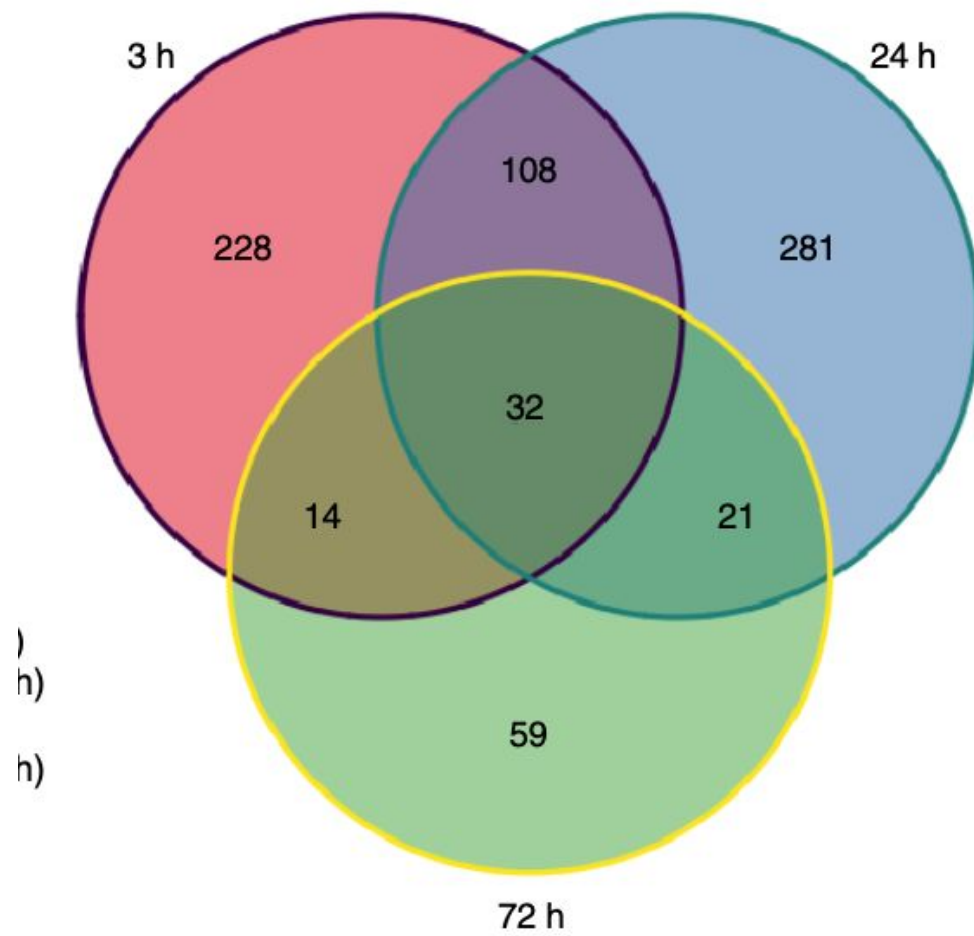
a

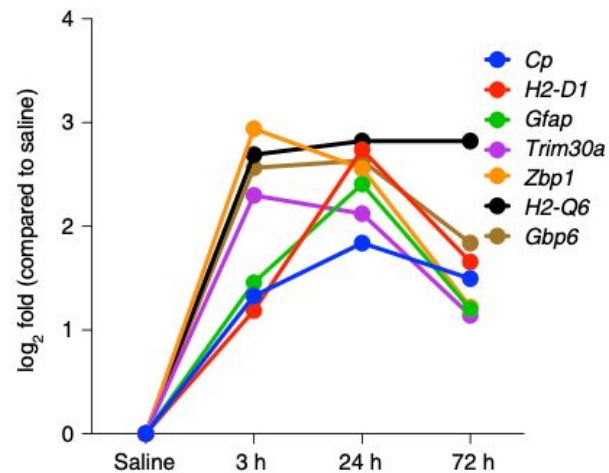
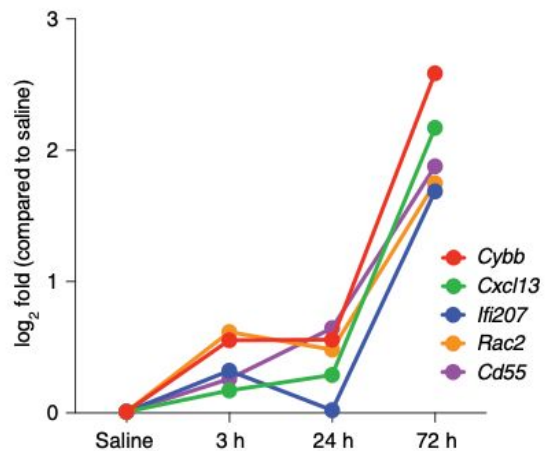
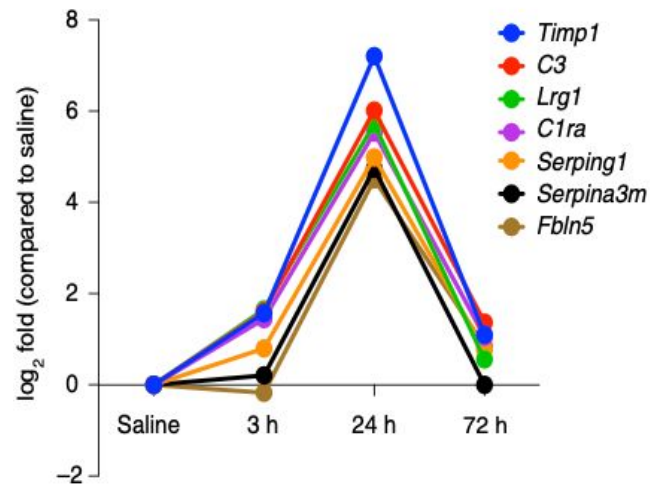
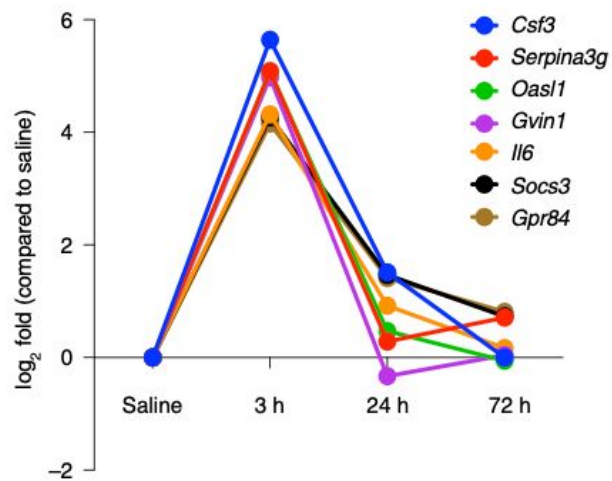


b

c

d



e

f