

# GAND - Single Cell Analysis Report

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## 1 Single Cell RNA-seq Analysis of Gatad2b

This report highlight the main findings related to the analysis of single cell RNA-seq of Gatad2b deficient samples.

The full analysis is available on GitHub as a Nextflow pipeline. Containerization of the analysis will be made availble in the comming weeks.

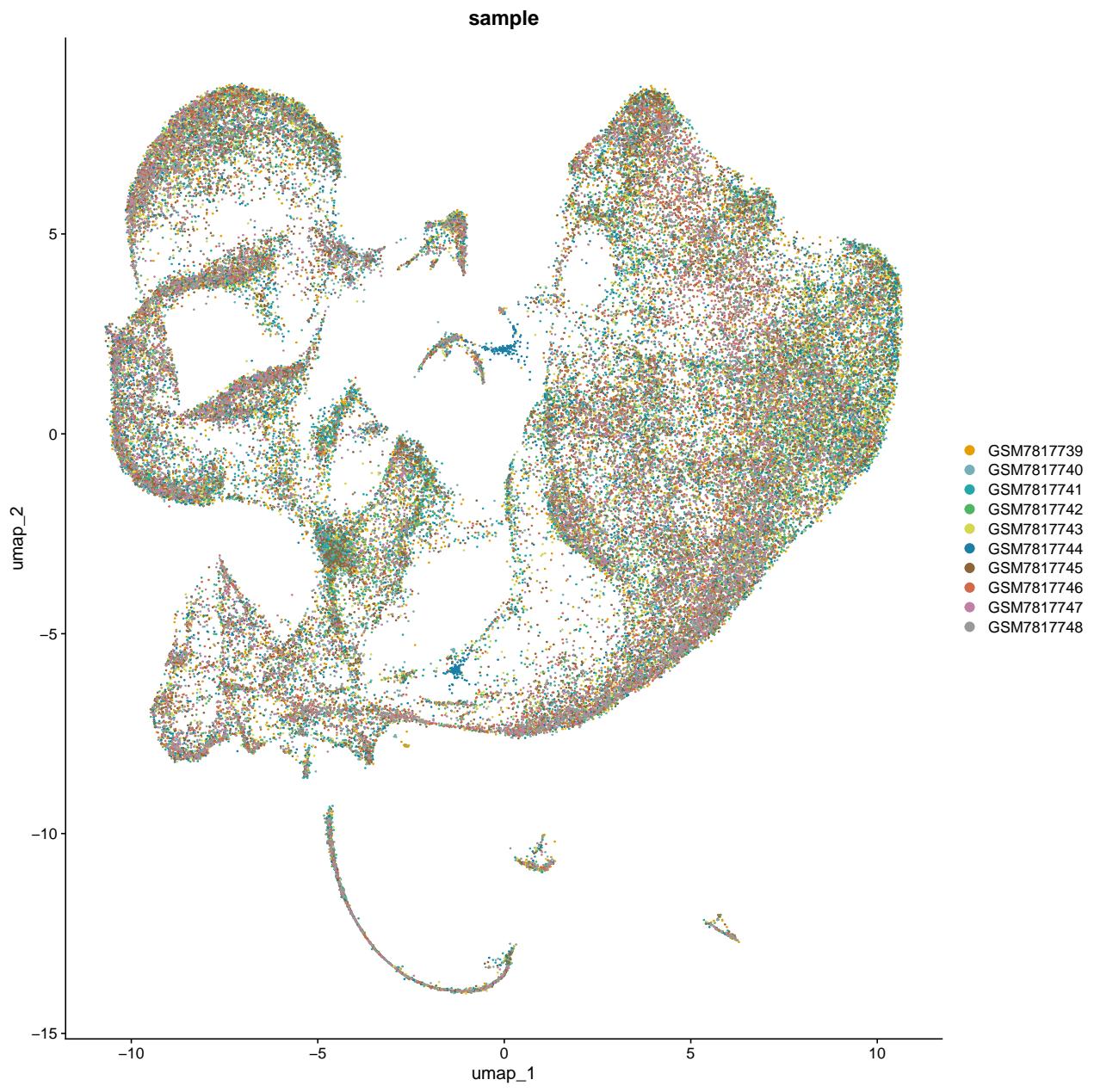
NOTE: All figures are currently being generated and saved through this report.

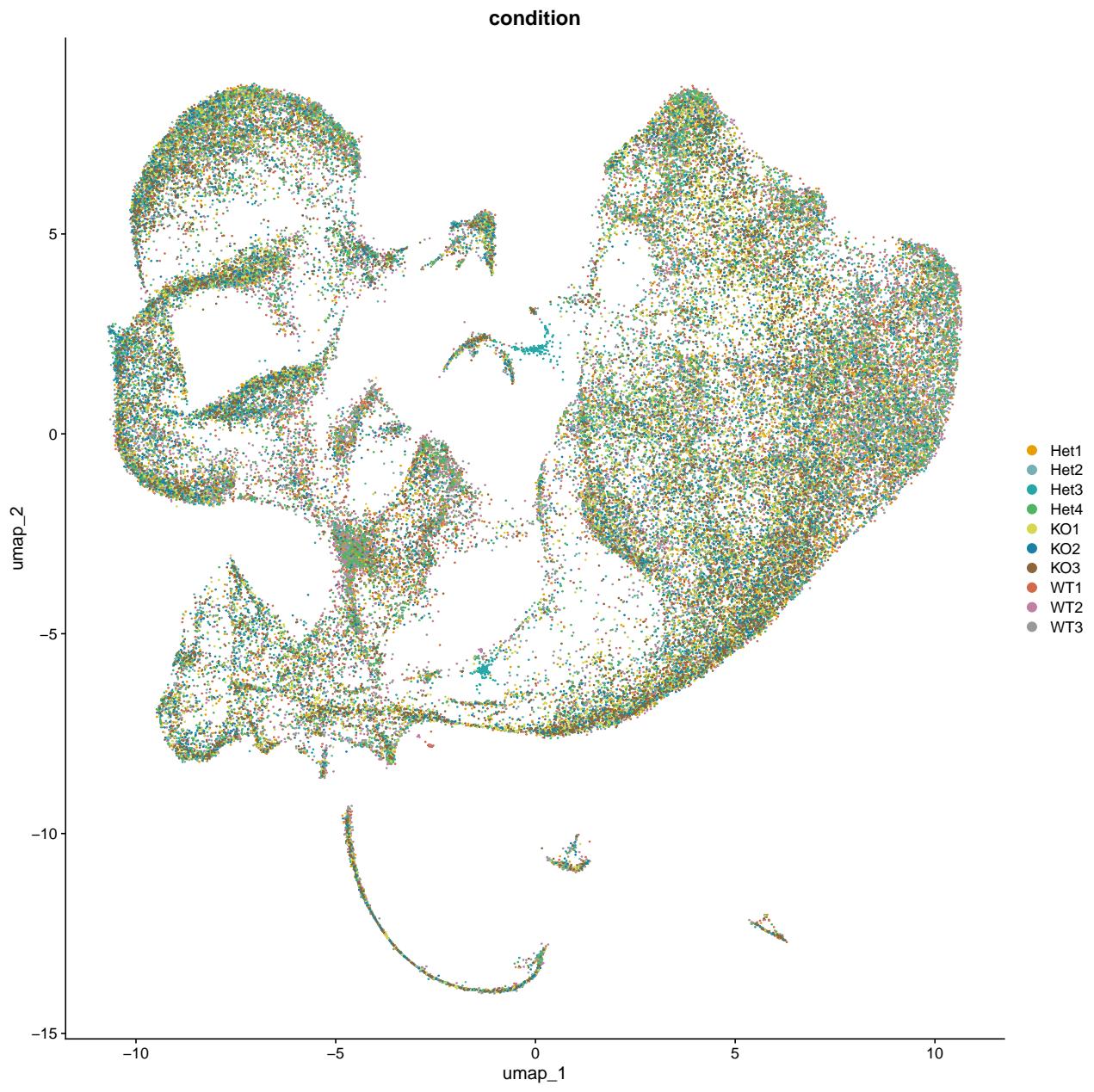
### 1.1 scRNA-seq Experiment

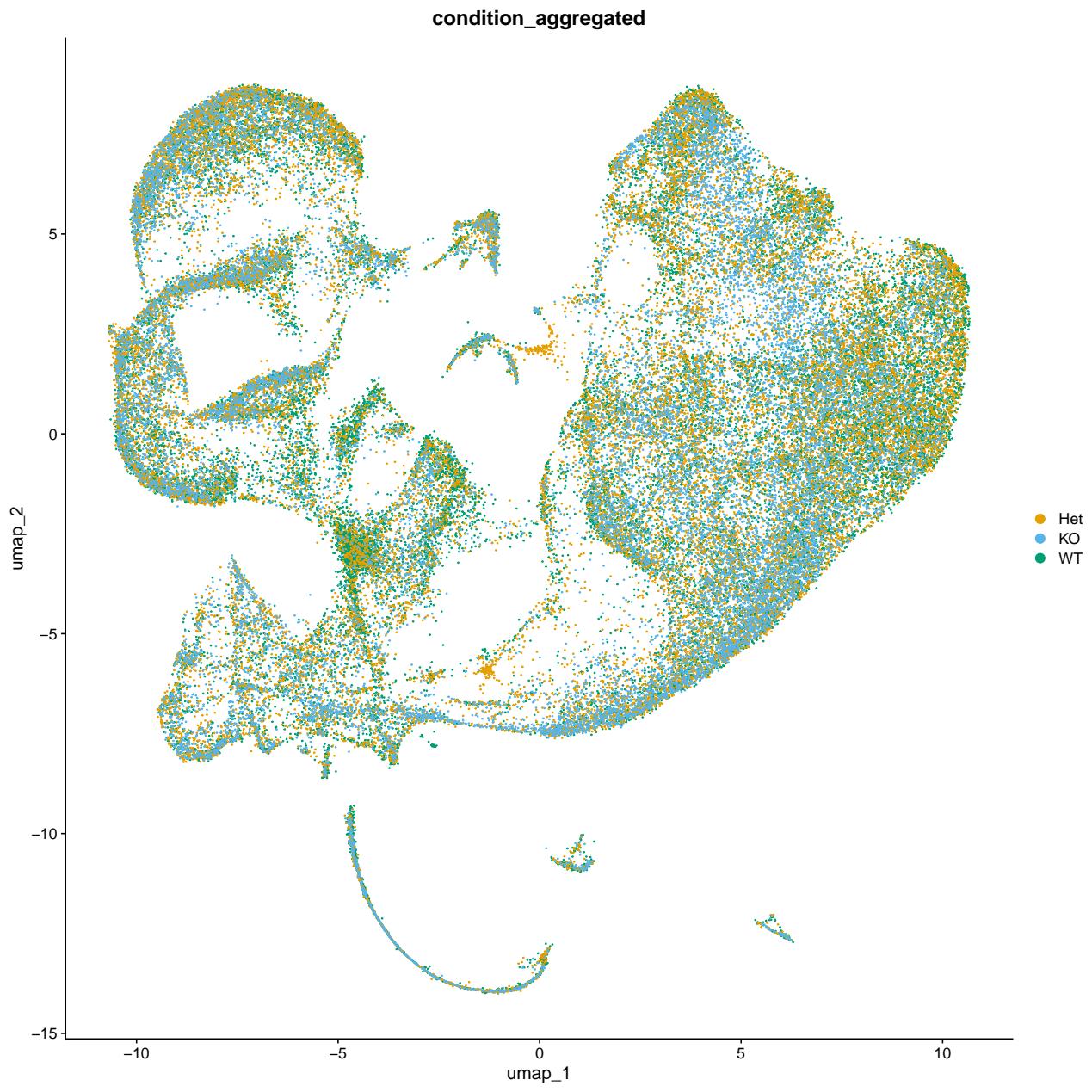
We performed single-cell RNA sequencing (scRNA-seq) on cortical samples obtained from Gatad2bstop/+ and WT littermates at a single embryonic time point (E16.5) in order to explore underlying mechanisms of Gatad2b function. We also generated Gatad2bstop/stop scRNA-seq data to identify dosage sensitive targets of Gatad2b.

The data is availble under accession number GSE244477

```
## Current working directory: /tmp/nxf.aG7t2d0uri
```







## 1.2 scRNA-seq Reference Data

To annotate the scRNA data, we select a reference data set with pre-annotated cells. The reference data set is available under accession number GSE123335

