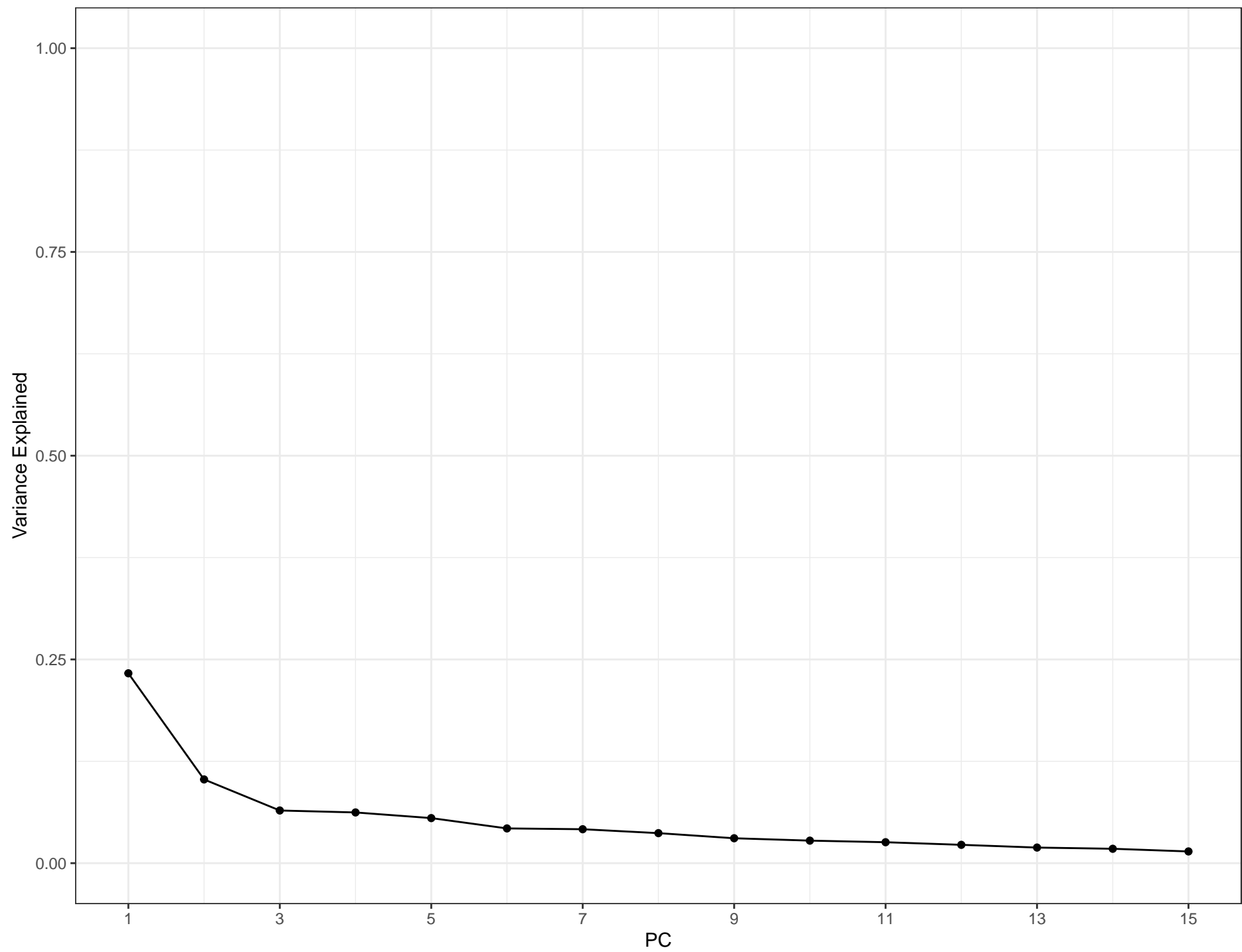


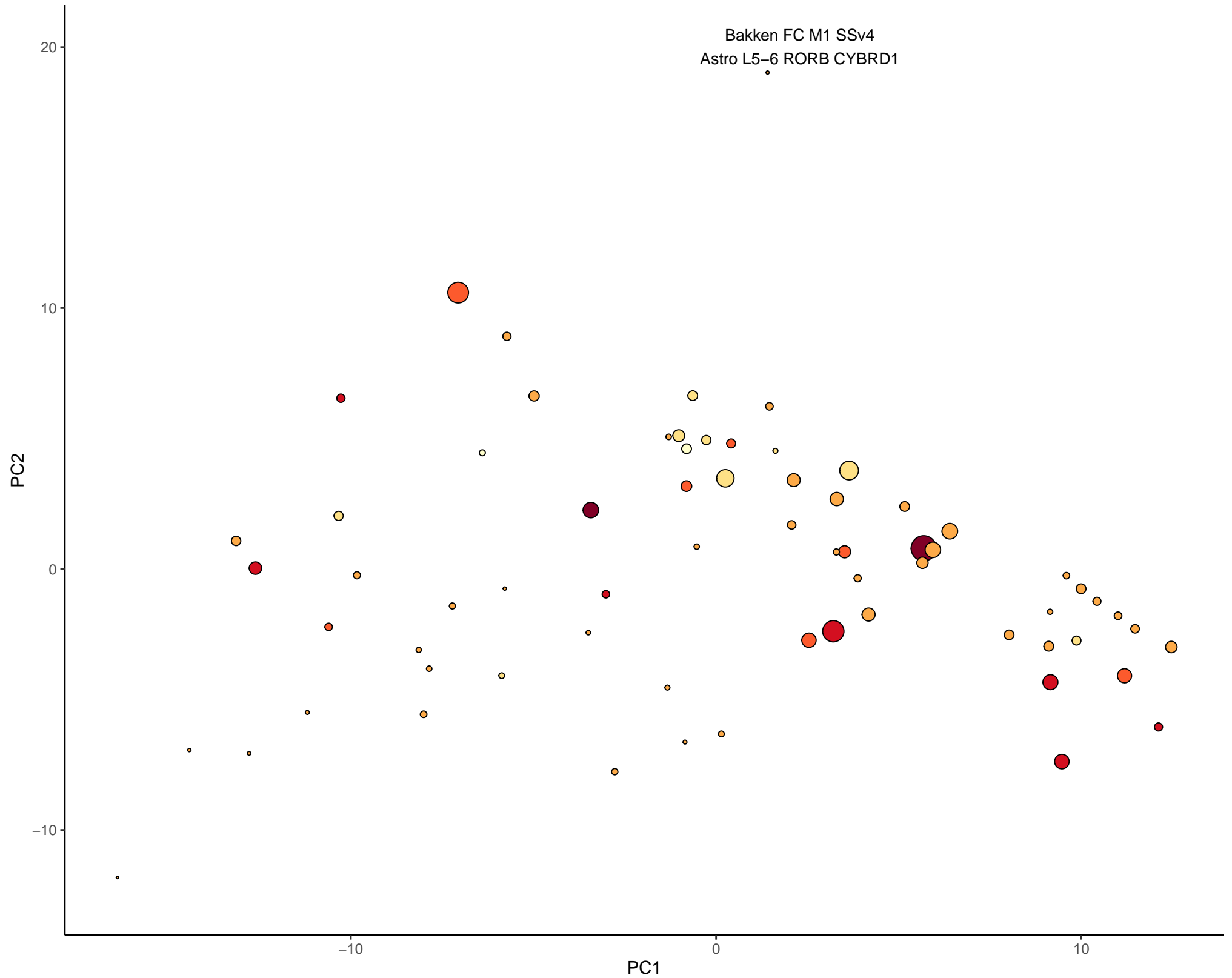
**ASC Subtypes**  
**Normalized Counts Mean Expression Scree Plot**  
48 cell types, 30 datasets, 8,723 genes



# Astrocyte Batch Corrected Mean Expression

48 cell types found in 30 datasets from 18 studies  
8,723 genes

Bakken FC M1 SSv4  
Astro L5-6 RORB CYBRD1



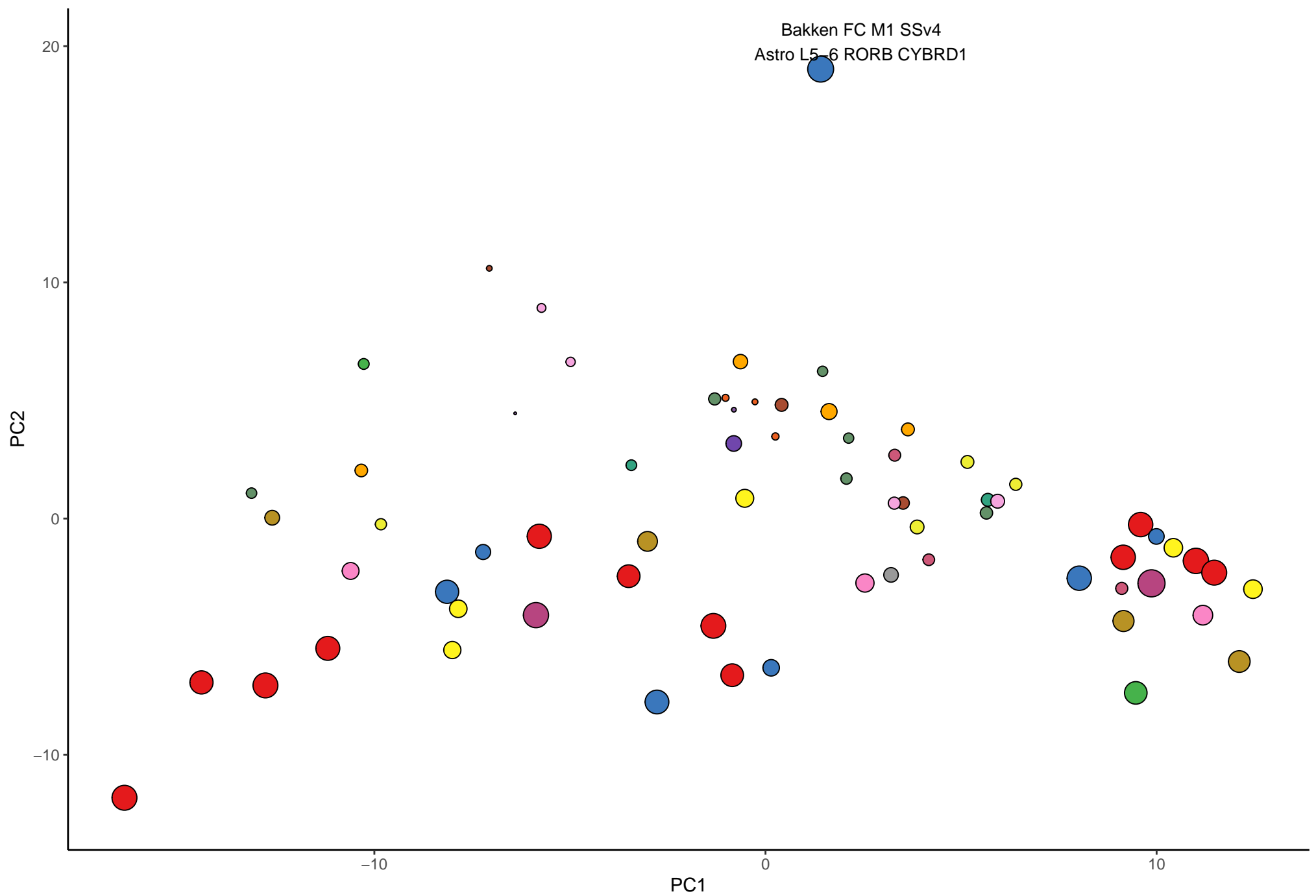
# Nuclei

• 4 • 100 • 500 • 1,000 • 2,000

Year 2017 2018 2019 2020 2021 2022

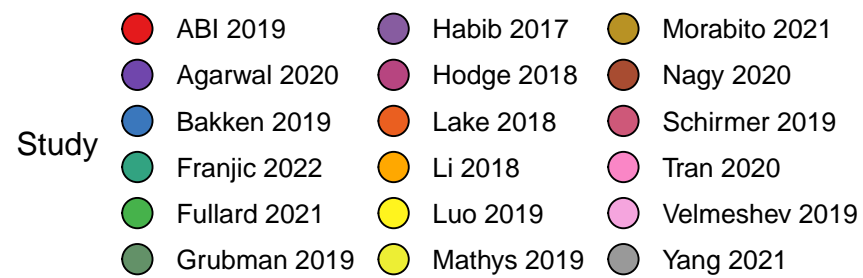
# Astrocyte Batch Corrected Mean Expression

48 cell types found in 30 datasets from 18 studies  
8,723 genes



Median # Unique Genes

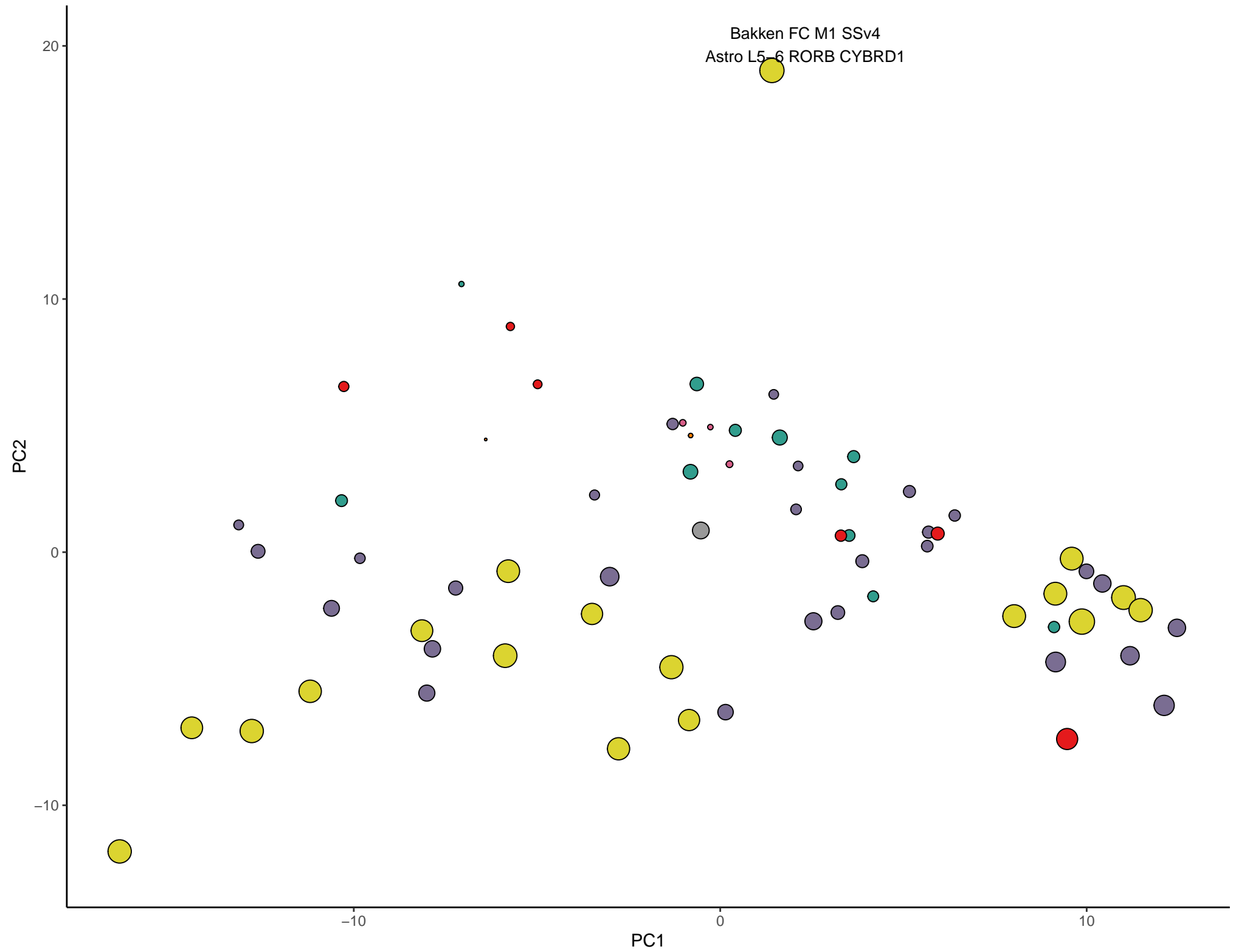
• 300 • 1,000 • 1,700 • 3,800 • 5,400



# Astrocyte Batch Corrected Mean Expression

48 cell types found in 30 datasets from 18 studies

8,723 genes



Median # Unique Genes

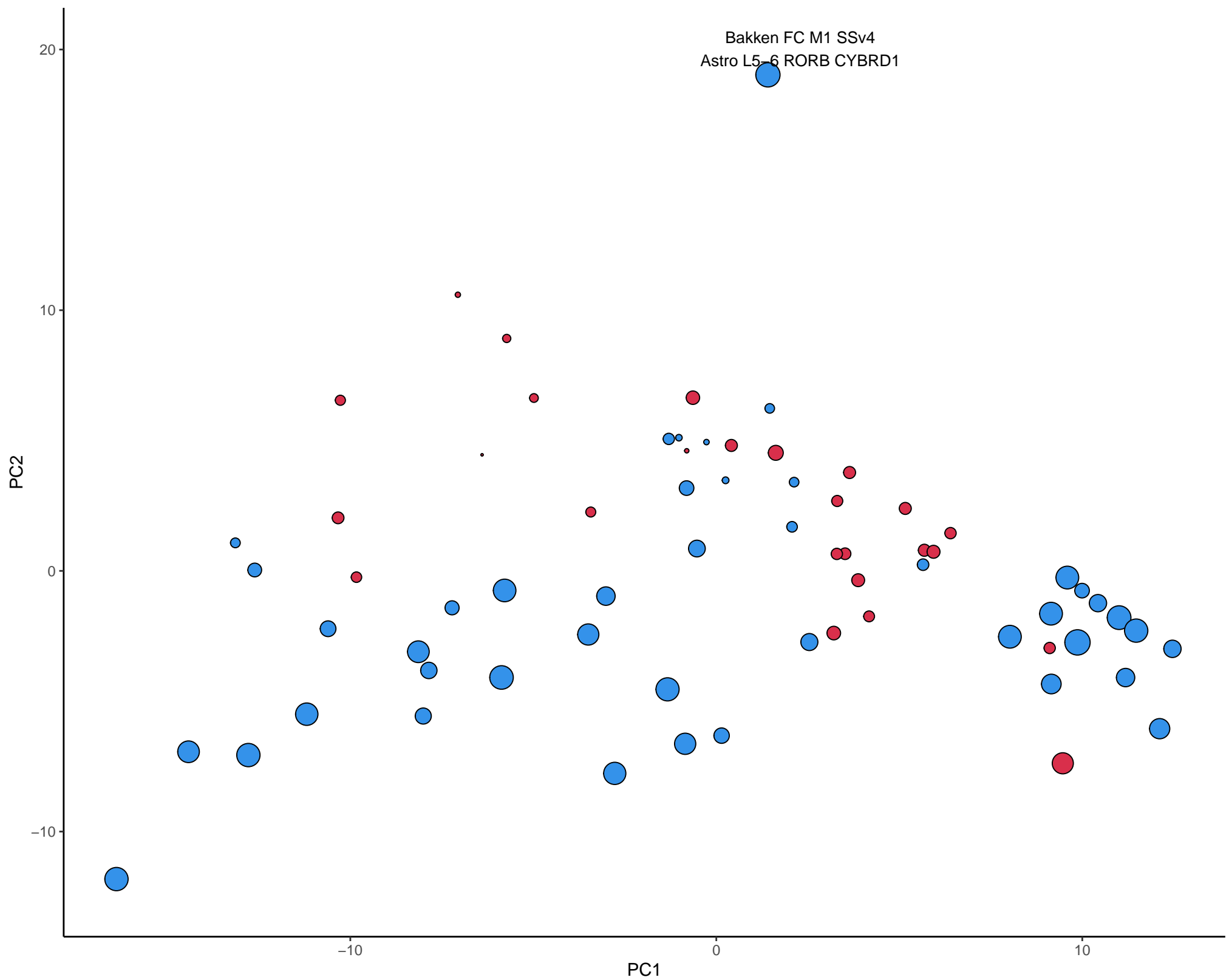
• 400 • 1,000 • 3,000 • 5,000

Platform

10x Chromium	10x Chromium V3	SMART-Seq v4	snmCAT-seq
10x Chromium V2	DroNc-seq	snDrop-seq	

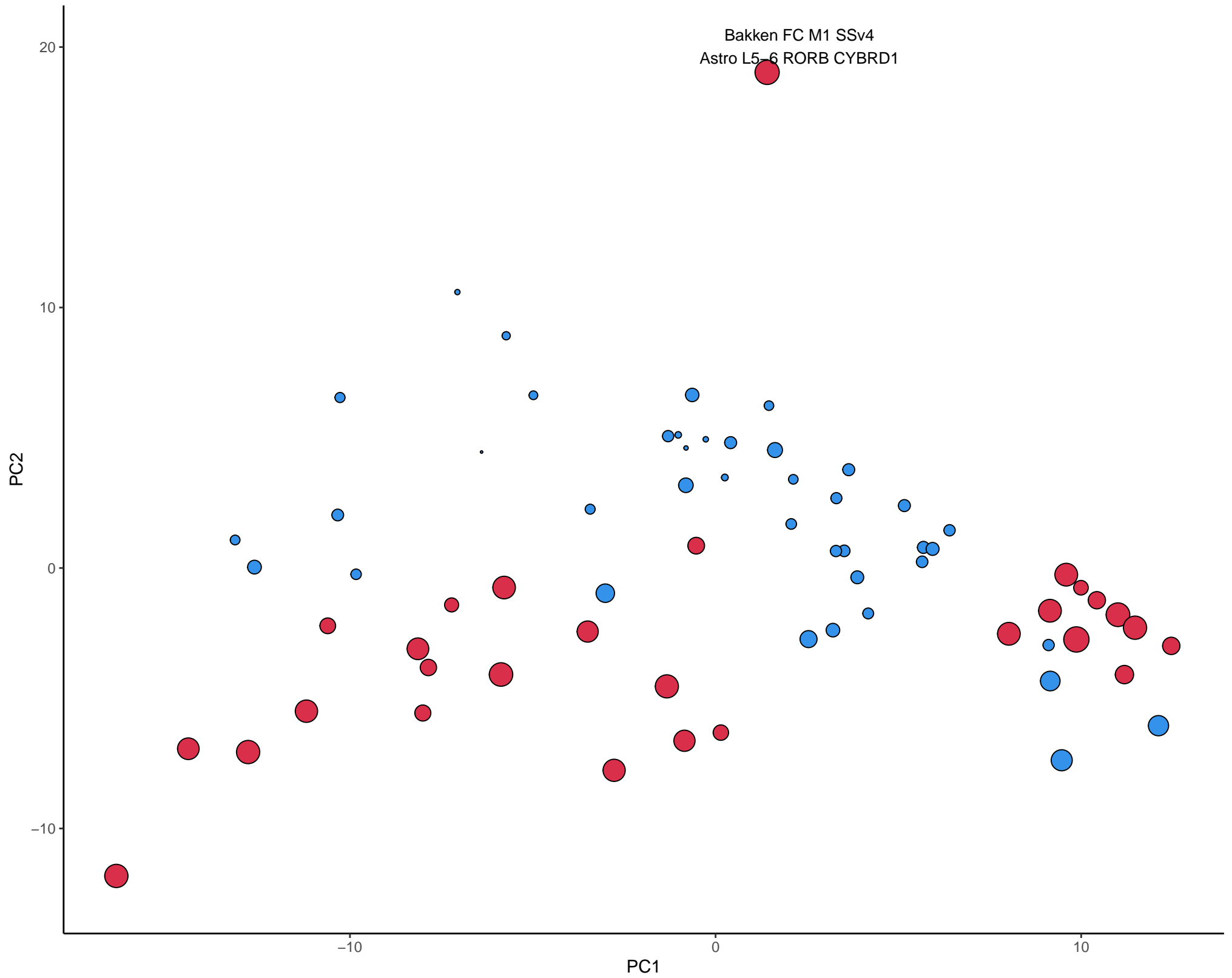
# Astrocyte Batch Corrected Mean Expression

48 cell types found in 30 datasets from 18 studies  
8,723 genes



# Astrocyte Batch Corrected Mean Expression

48 cell types found in 30 datasets from 18 studies  
8,723 genes



Median # Unique Genes

• 305 • 500 • 1,000 • 5,000 • 5,000

Unbiased Sampling Y N