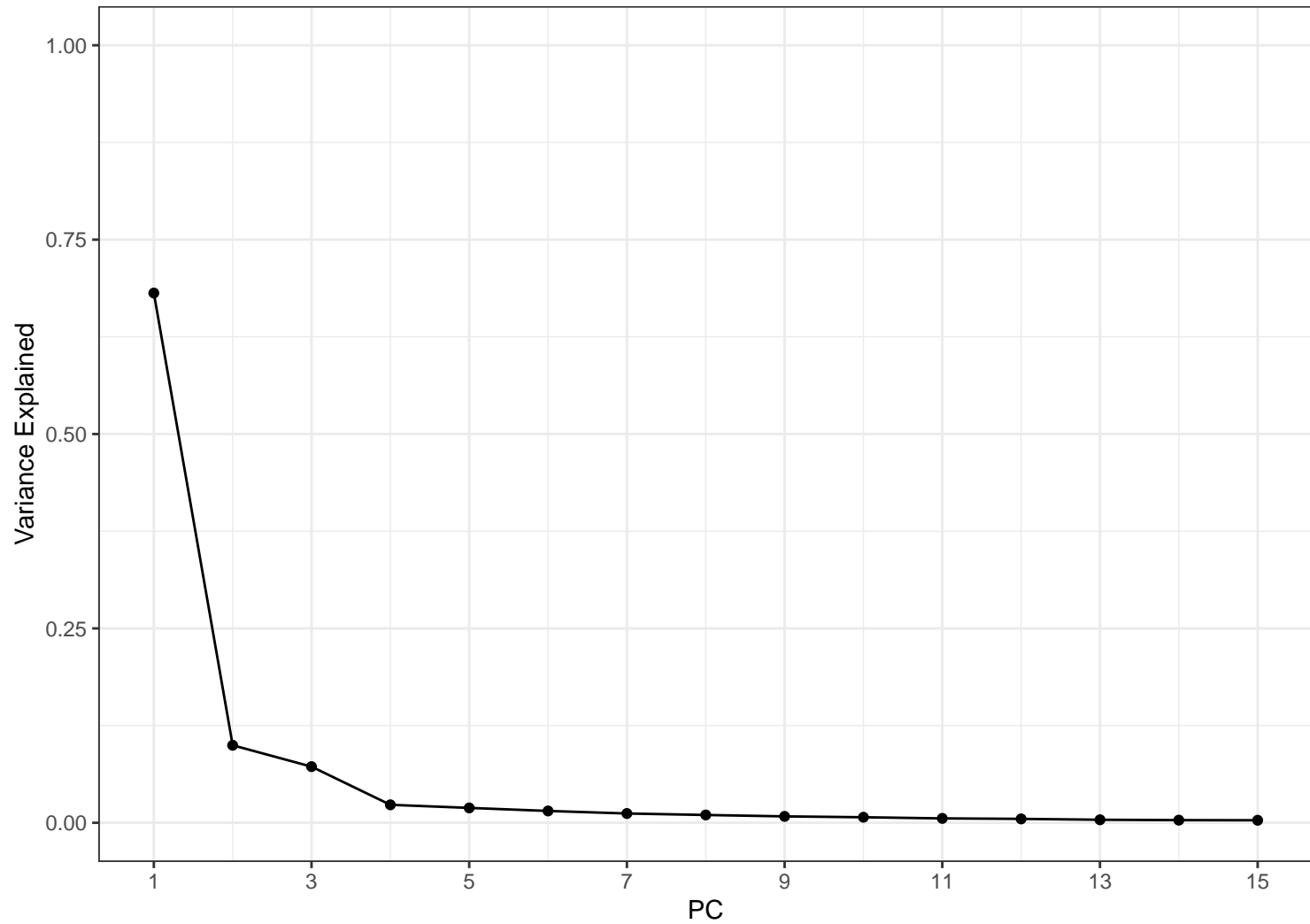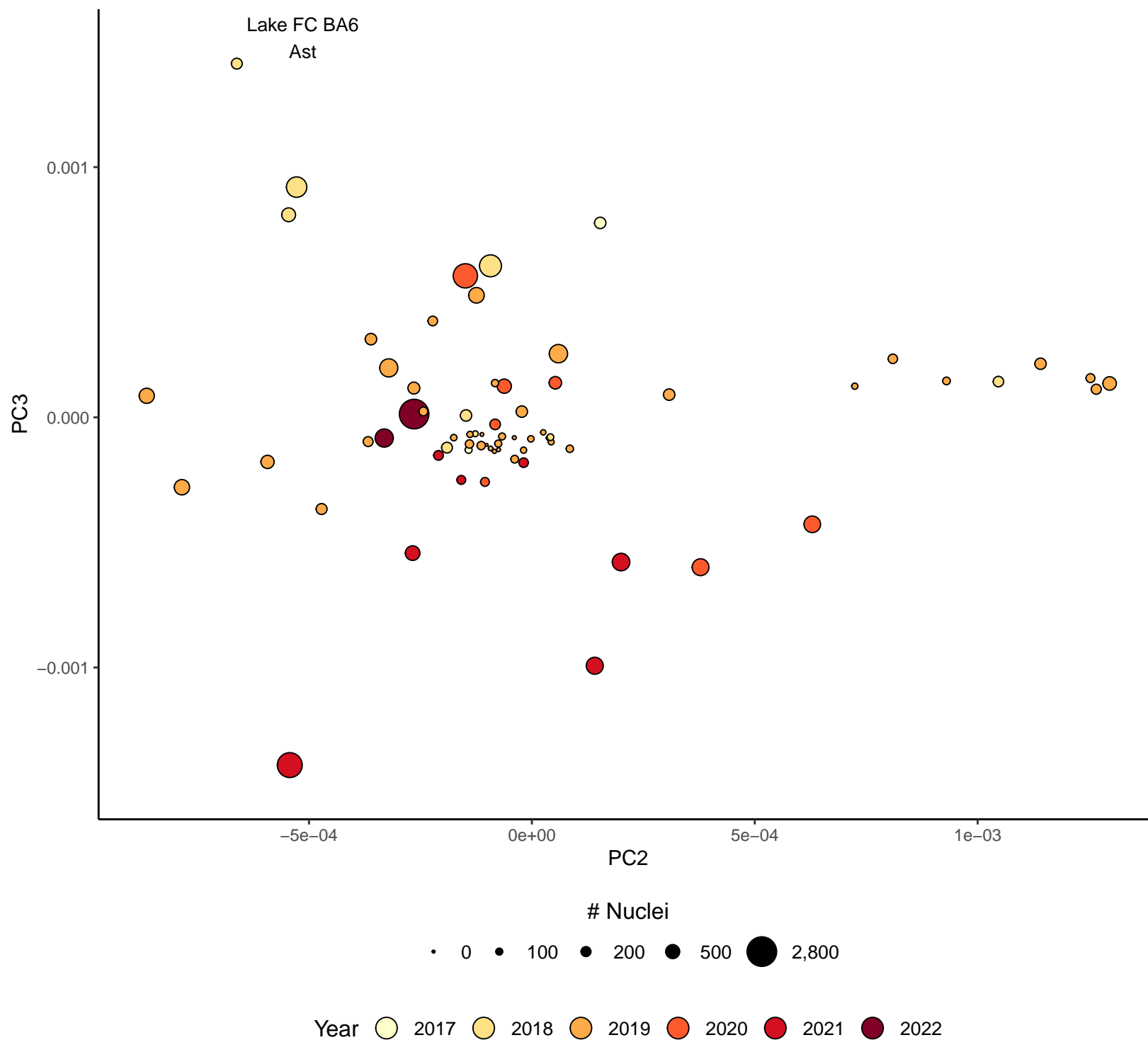**ASC Subtypes**
Normalized Counts Proportional Fidelity Scree Plot
48 cell types, 30 datasets, 8,723 genes
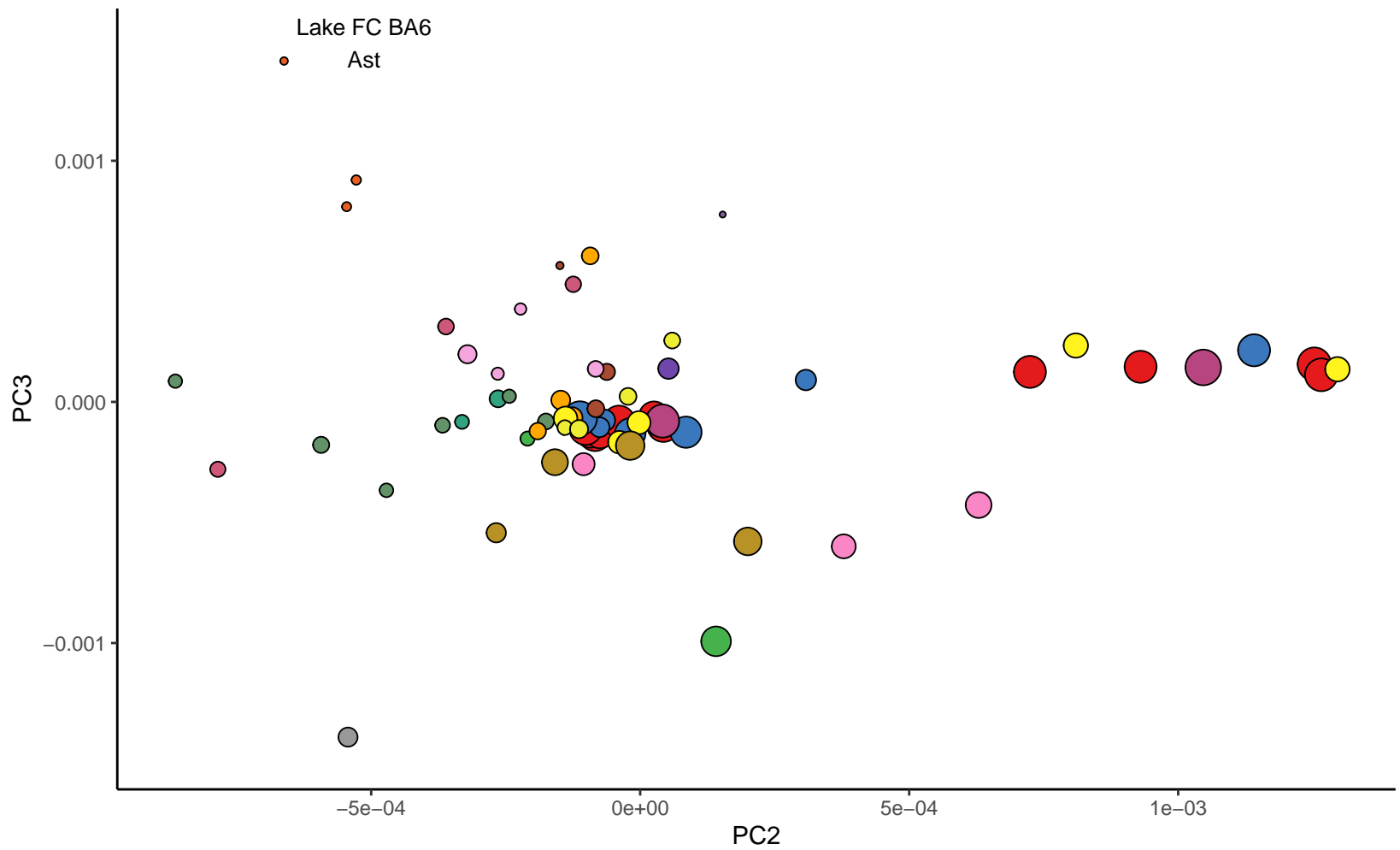
Astrocyte Proportional Fidelity

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

Lake FC BA6
Ast

PC3

PC2

Nuclei

0 • 100 • 200 ● 500 ● 2,800

Year ○ 2017 ○ 2018 ○ 2019 ● 2020 ● 2021 ● 2022

Astrocyte Proportional Fidelity

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

Lake FC BA6
Ast

Median # Unique Genes

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

Study

- ABI 2019
- Agarwal 2020
- Bakken 2019
- Franjic 2022
- Fullard 2021
- Grubman 2019
- Habib 2017
- Hodge 2018
- Lake 2018
- Li 2018
- Luo 2019
- Mathys 2019
- Morabito 2021
- Nagy 2020
- Schirmer 2019
- Tran 2020
- Velmeshev 2019
- Yang 2021

Astrocyte Proportional Fidelity

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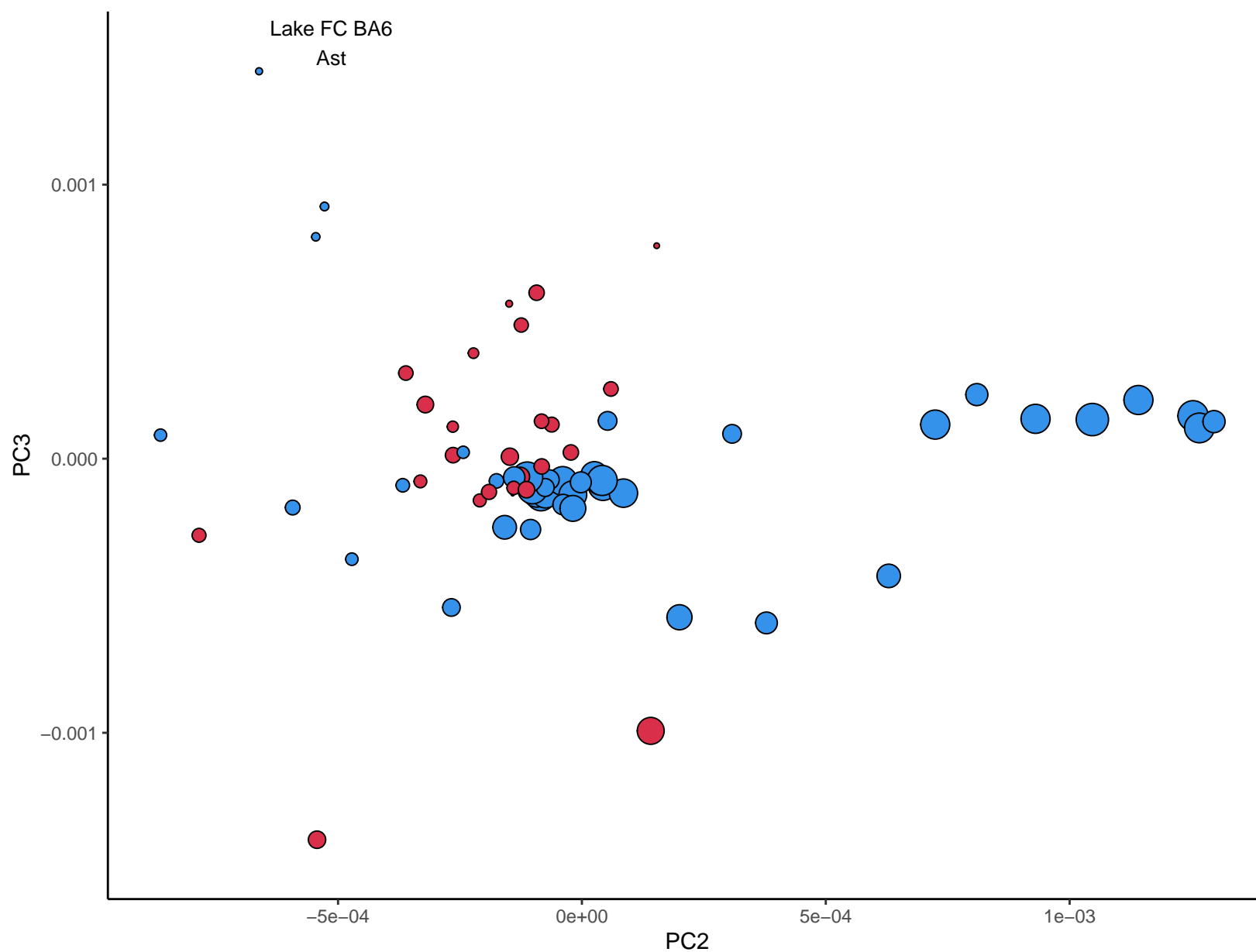8,723 genes

Lake FC BA6
Ast

PC3

PC2

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 Proportional Fidelity

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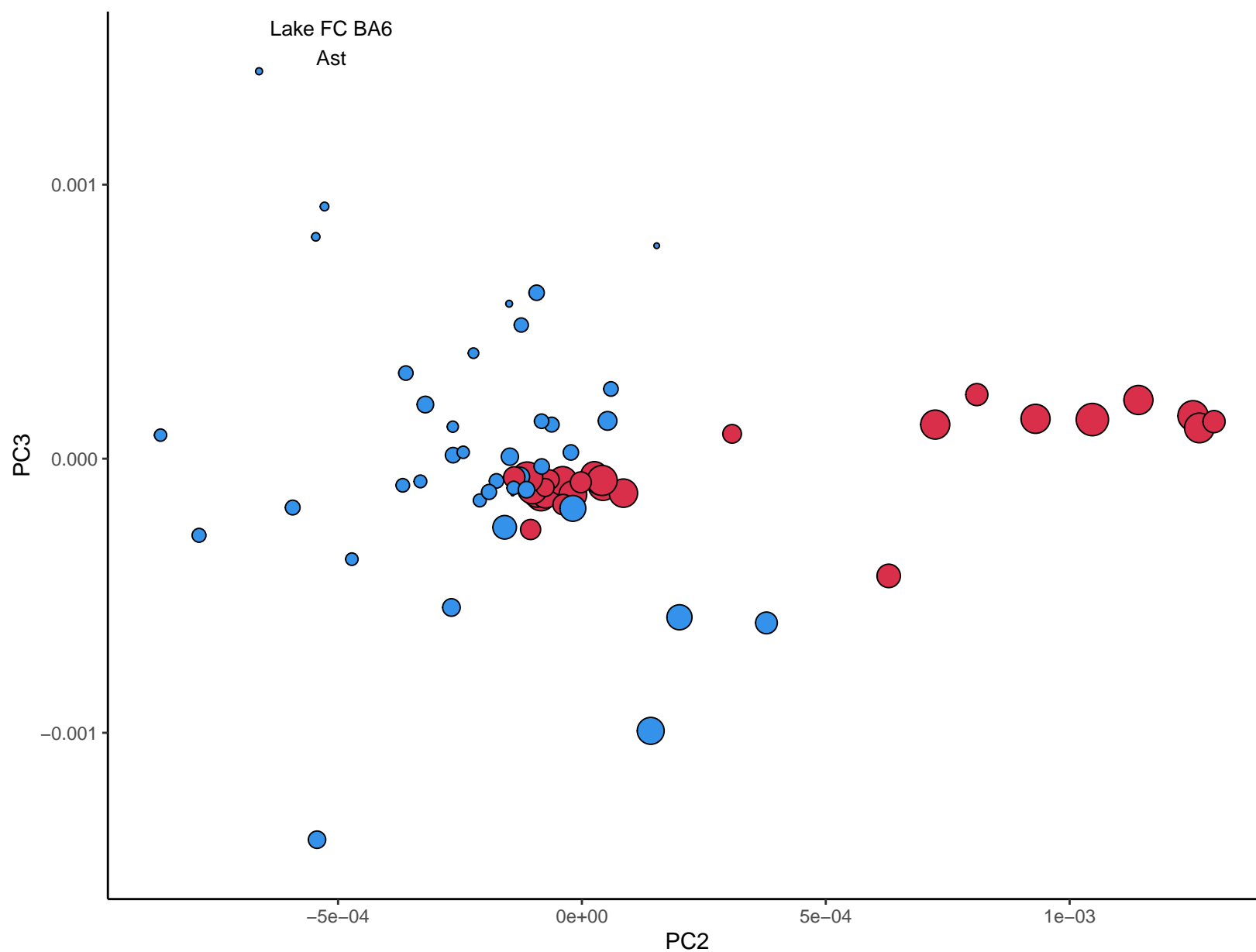8,723 genes

Lake FC BA6
Ast
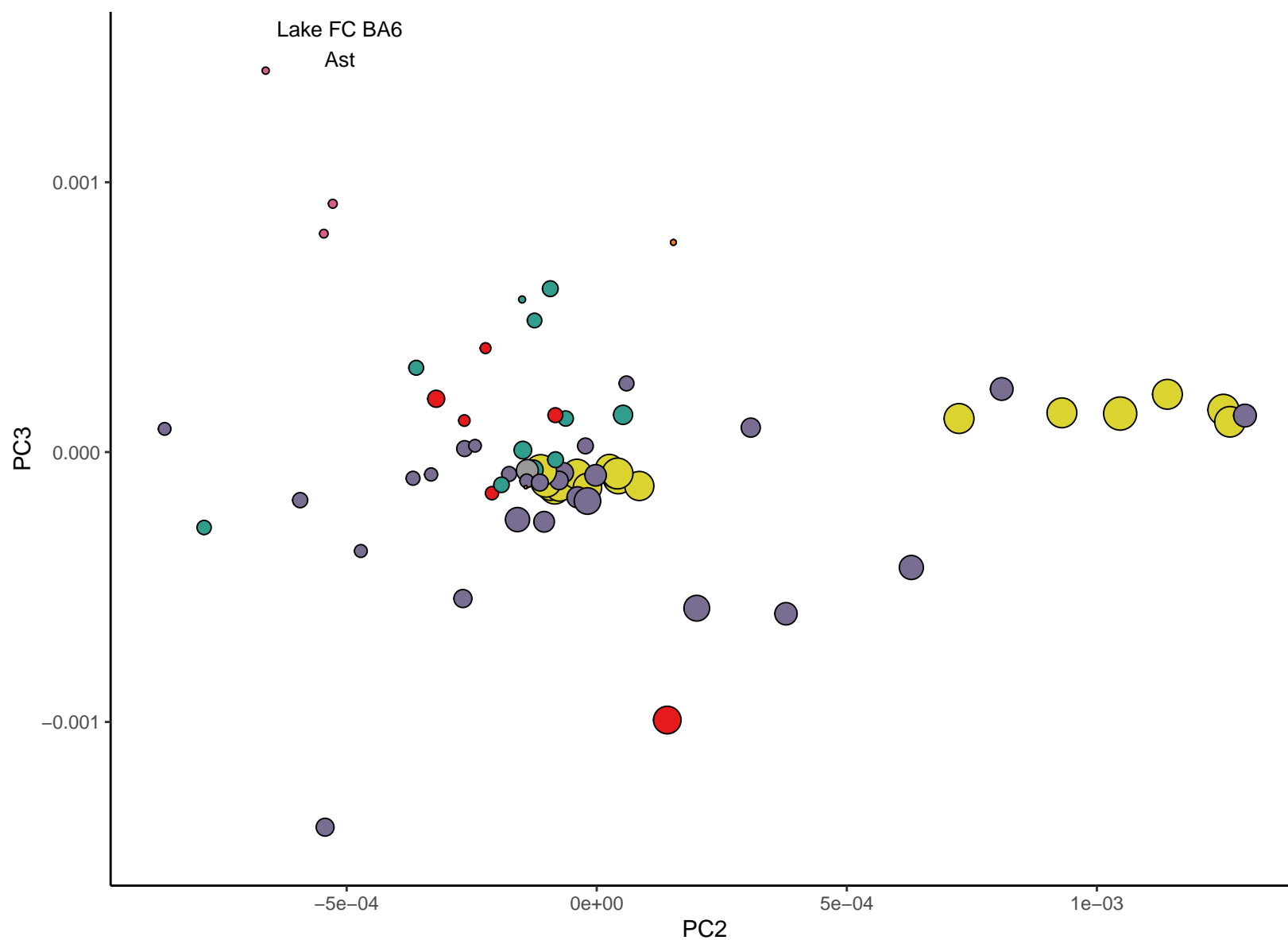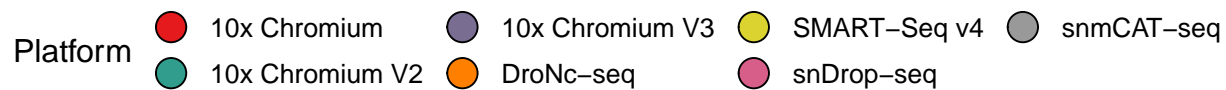
Median # Unique Genes

· 305 · 500 ● 1,000 ● 5,000 ● 5,000

FACS ● Y ● N

Astrocyte Proportional Fidelity

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

Lake FC BA6
Ast

PC3

0.001

0.000

−0.001

−5e−04   0e+00   5e−04   1e−03

PC2

Median # Unique Genes

· 305   · 500   ● 1,000   ● 5,000   ● 5,000

Unbiased Sampling ● Y ● N