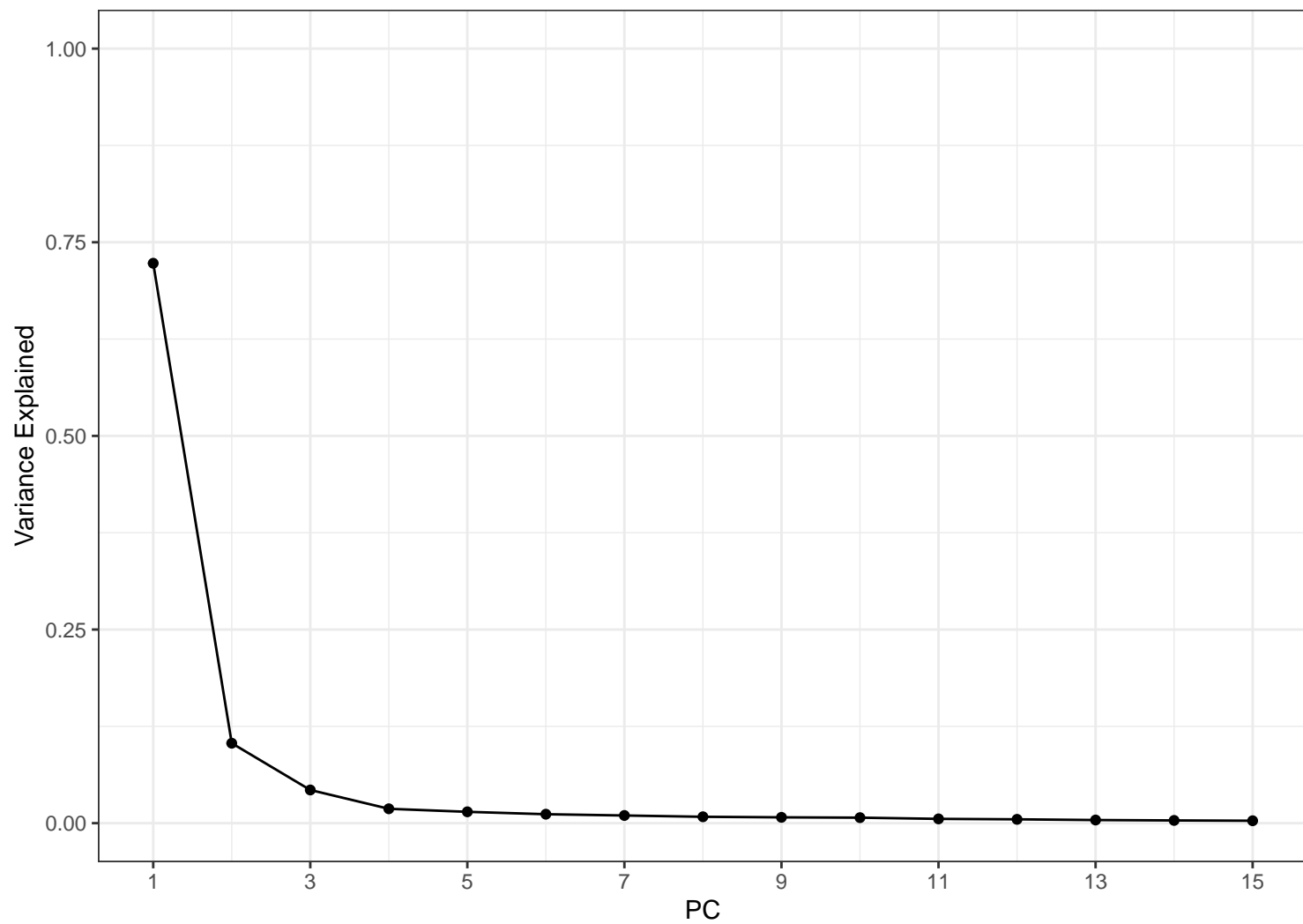


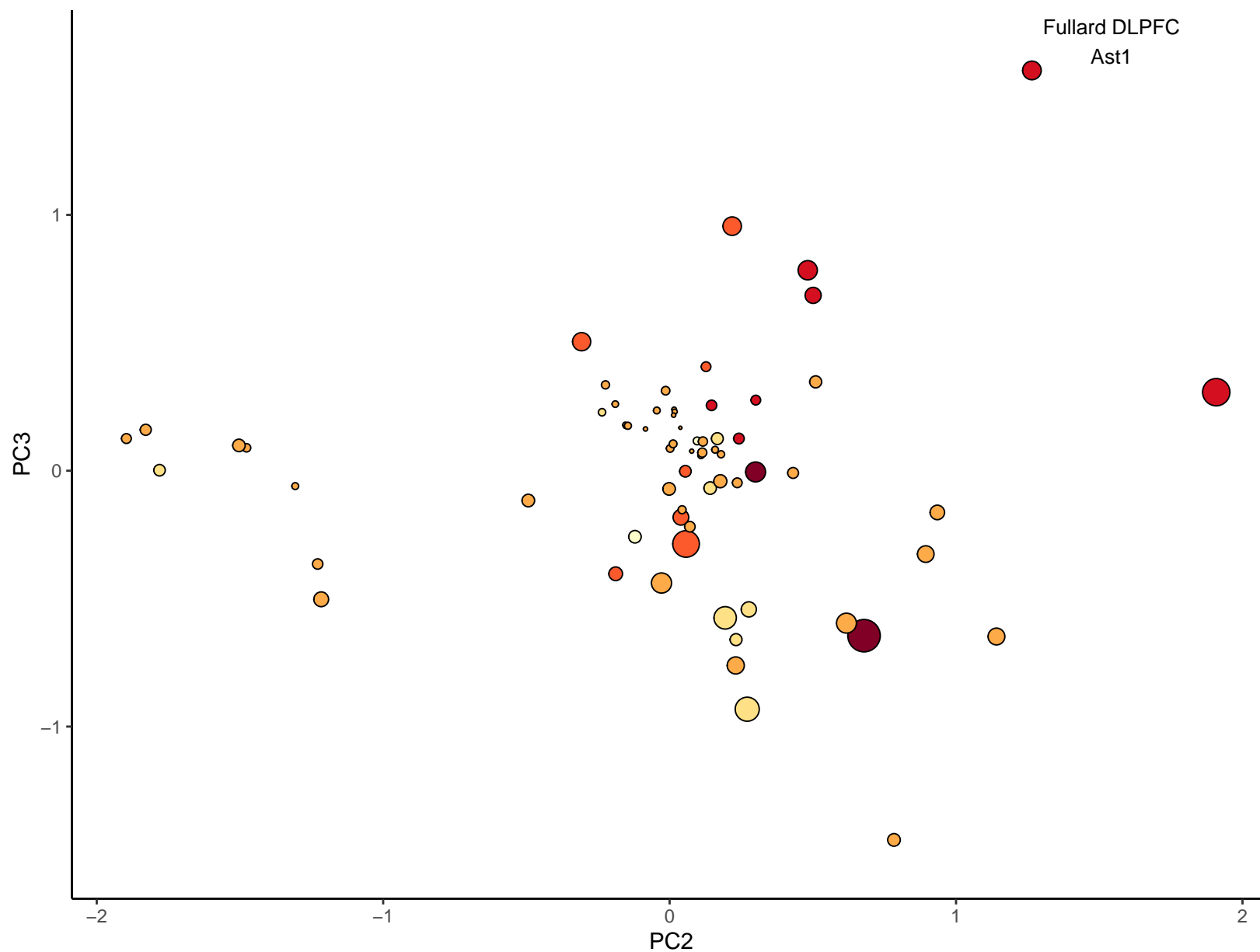
ASC Subtypes Normalized Counts Fidelity Scree Plot

48 cell types, 30 datasets, 9,156 genes



Astrocyte Fidelity

48 cell types found in 30 datasets from 18 studies
9,156 genes



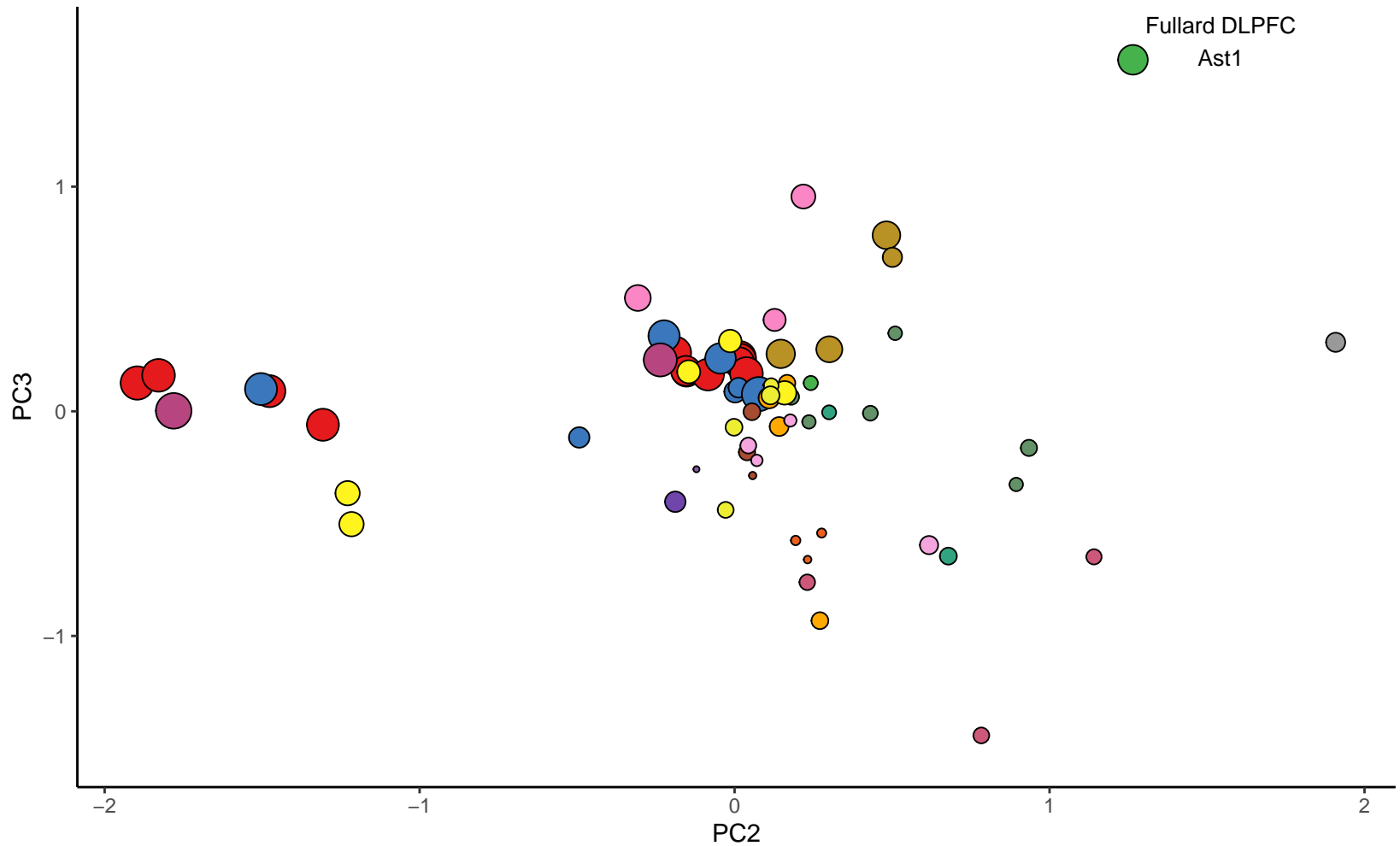
Nuclei

• 0 • 100 • 200 • 500 • 2,800

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

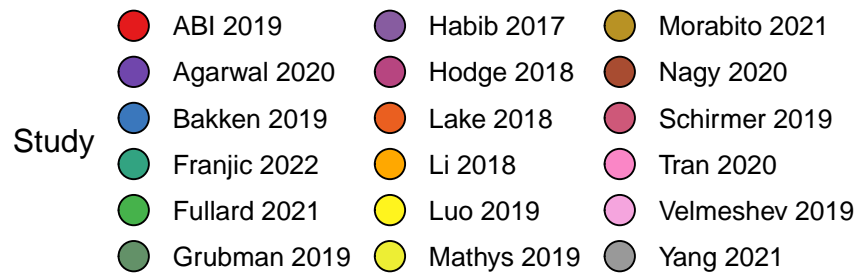
Astrocyte Fidelity

48 cell types found in 30 datasets from 18 studies
9,156 genes



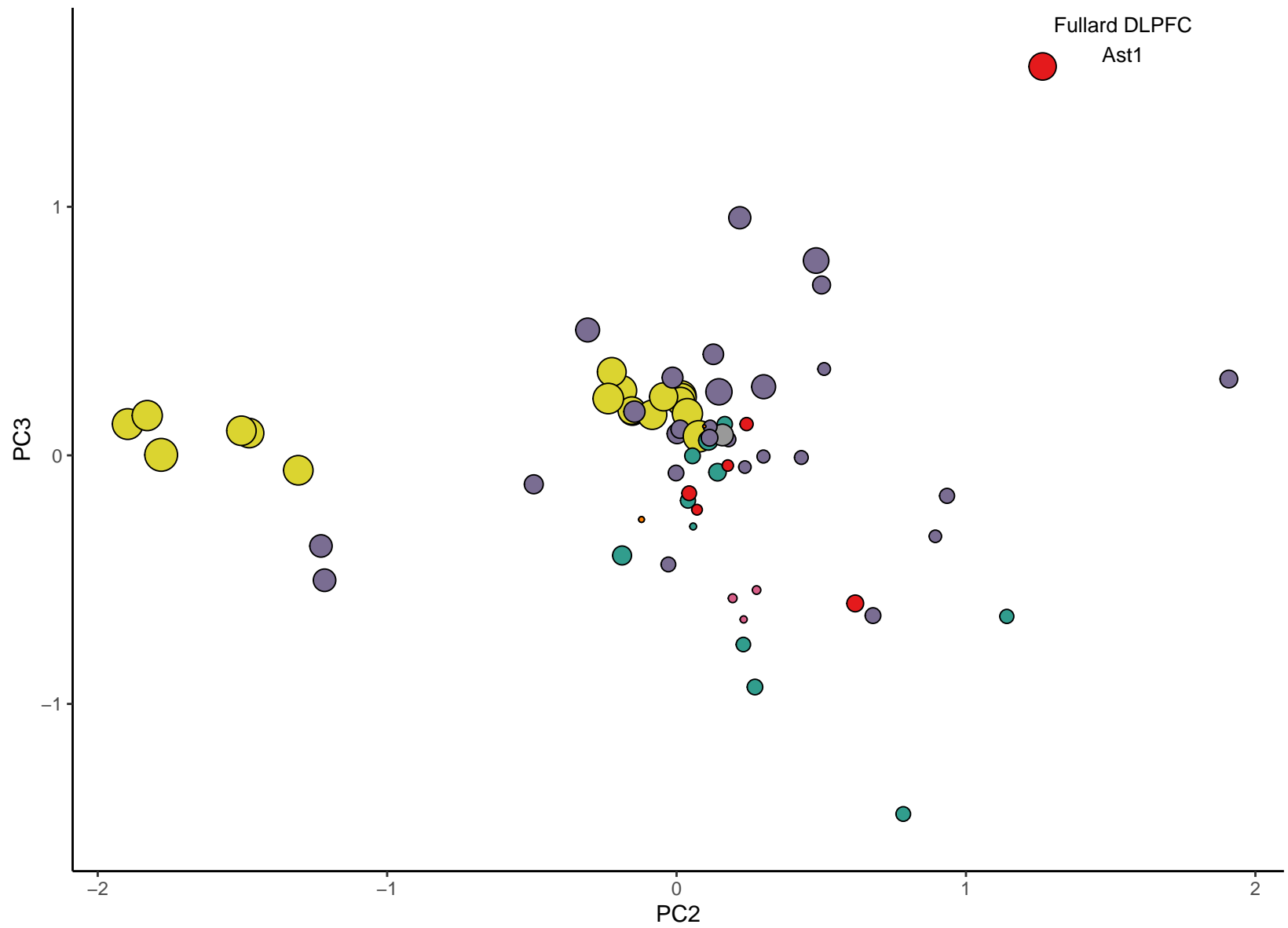
Median # Unique Genes

• 300 • 1,000 • 1,700 • 3,800 • 5,400



Astrocyte Fidelity

48 cell types found in 30 datasets from 18 studies
9,156 genes



Median # Unique Genes

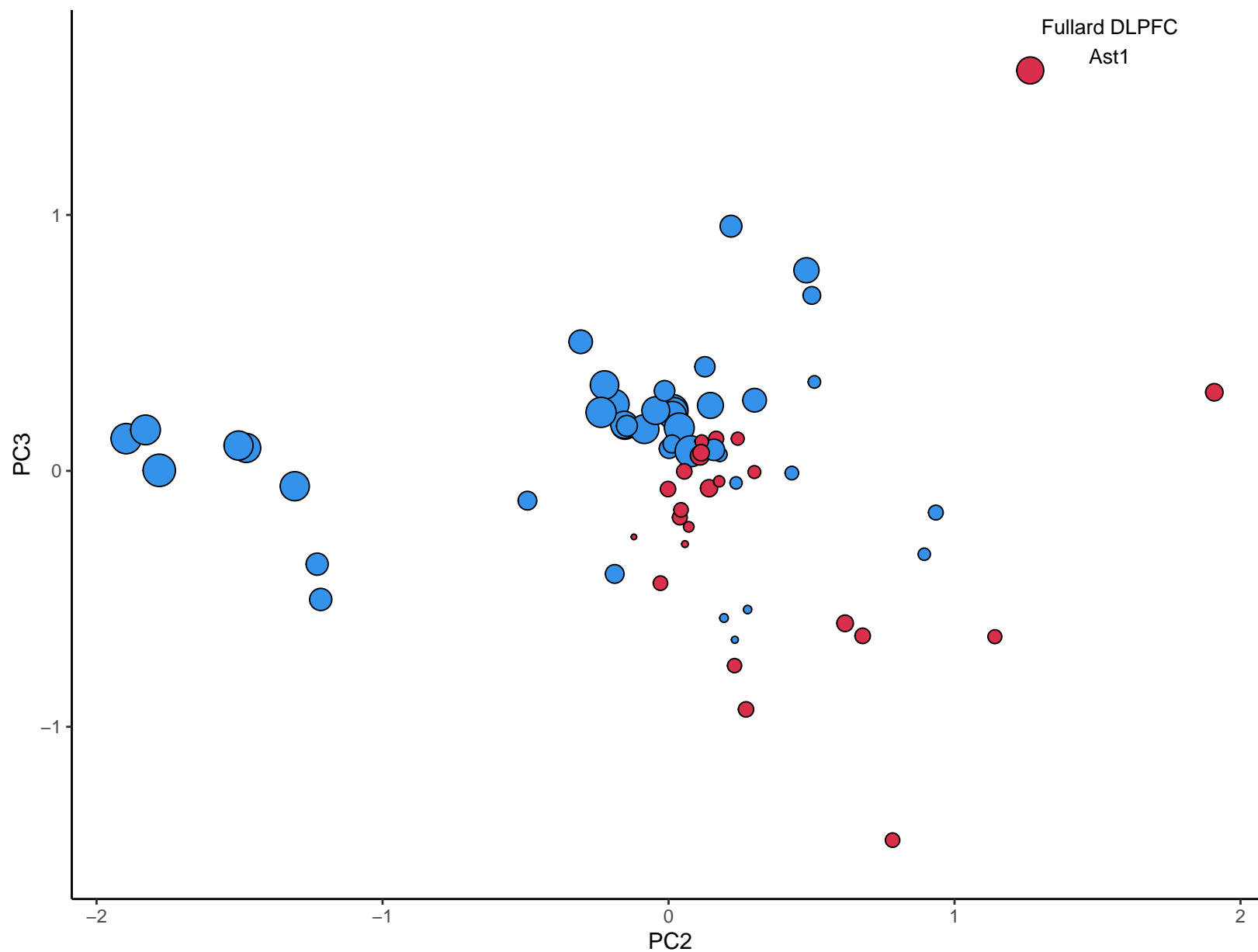
• 400 • 1,000 • 3,000 • 5,000

Platform

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

Astrocyte Fidelity

48 cell types found in 30 datasets from 18 studies
9,156 genes



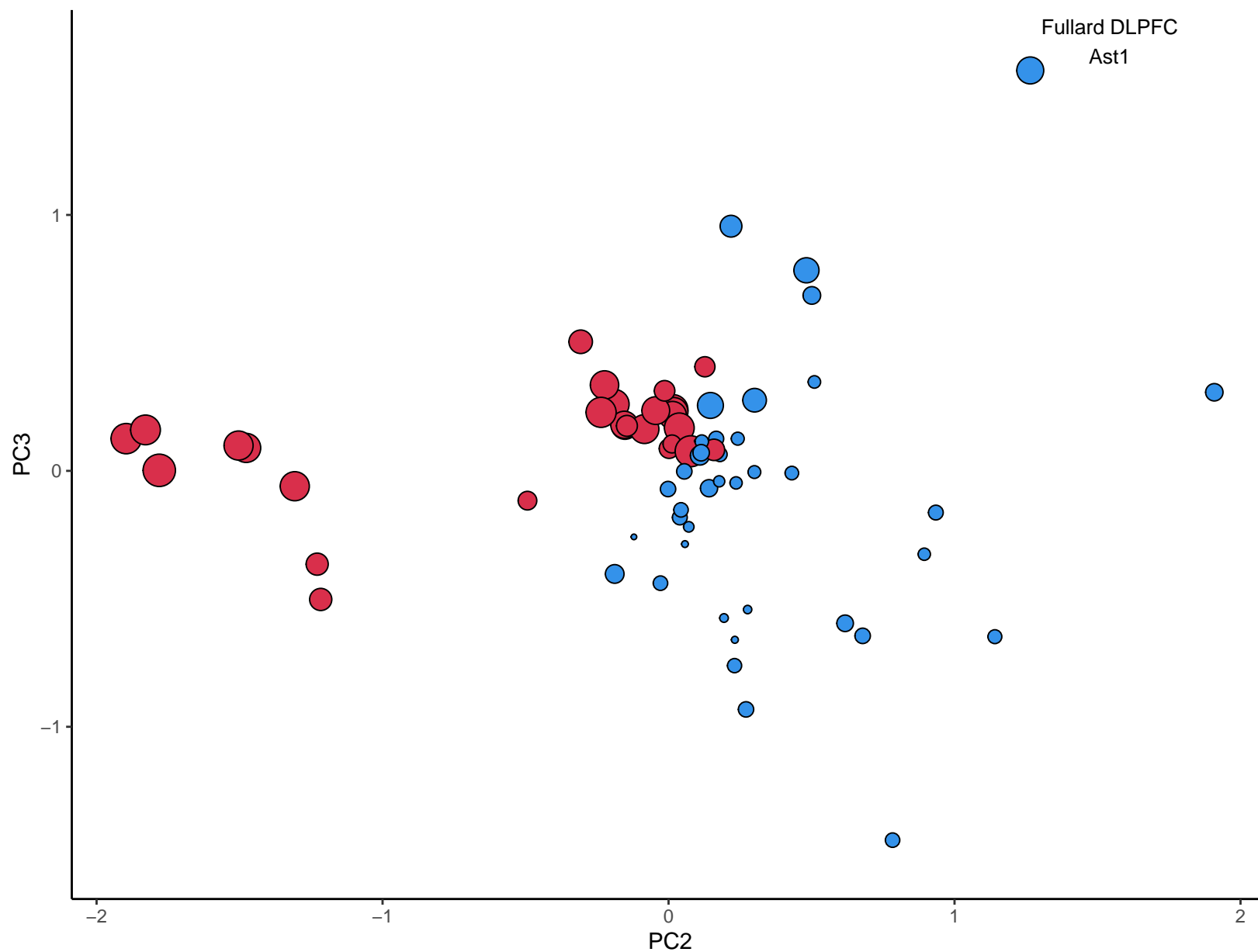
Median # Unique Genes

• 305 • 500 • 1,000 • 5,000 • 5,000

FACS Y N

Astrocyte Fidelity

48 cell types found in 30 datasets from 18 studies
9,156 genes



Median # Unique Genes

• 305 • 500 • 1,000 • 5,000 • 5,000

Unbiased Sampling Y N