MIC Subtypes
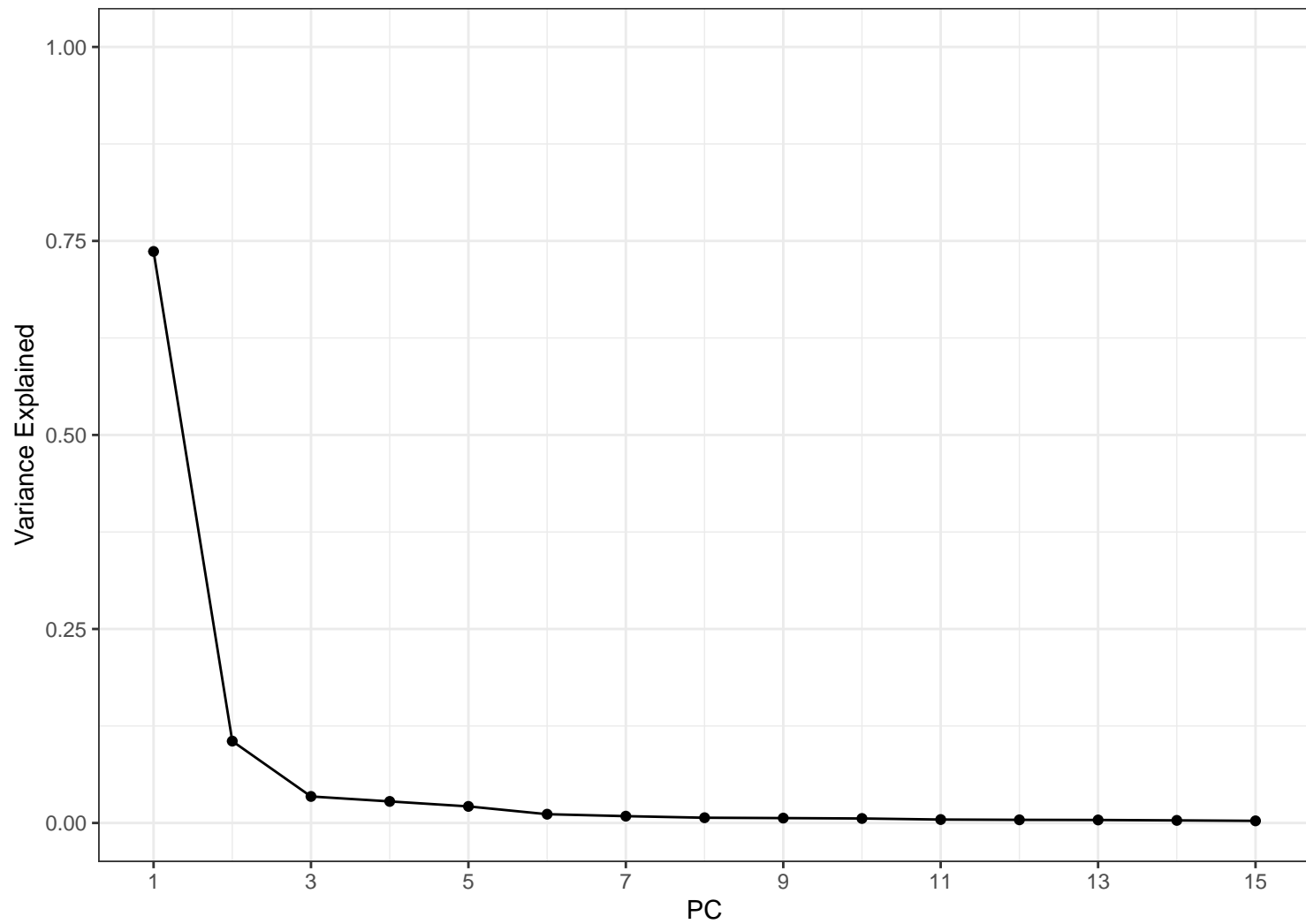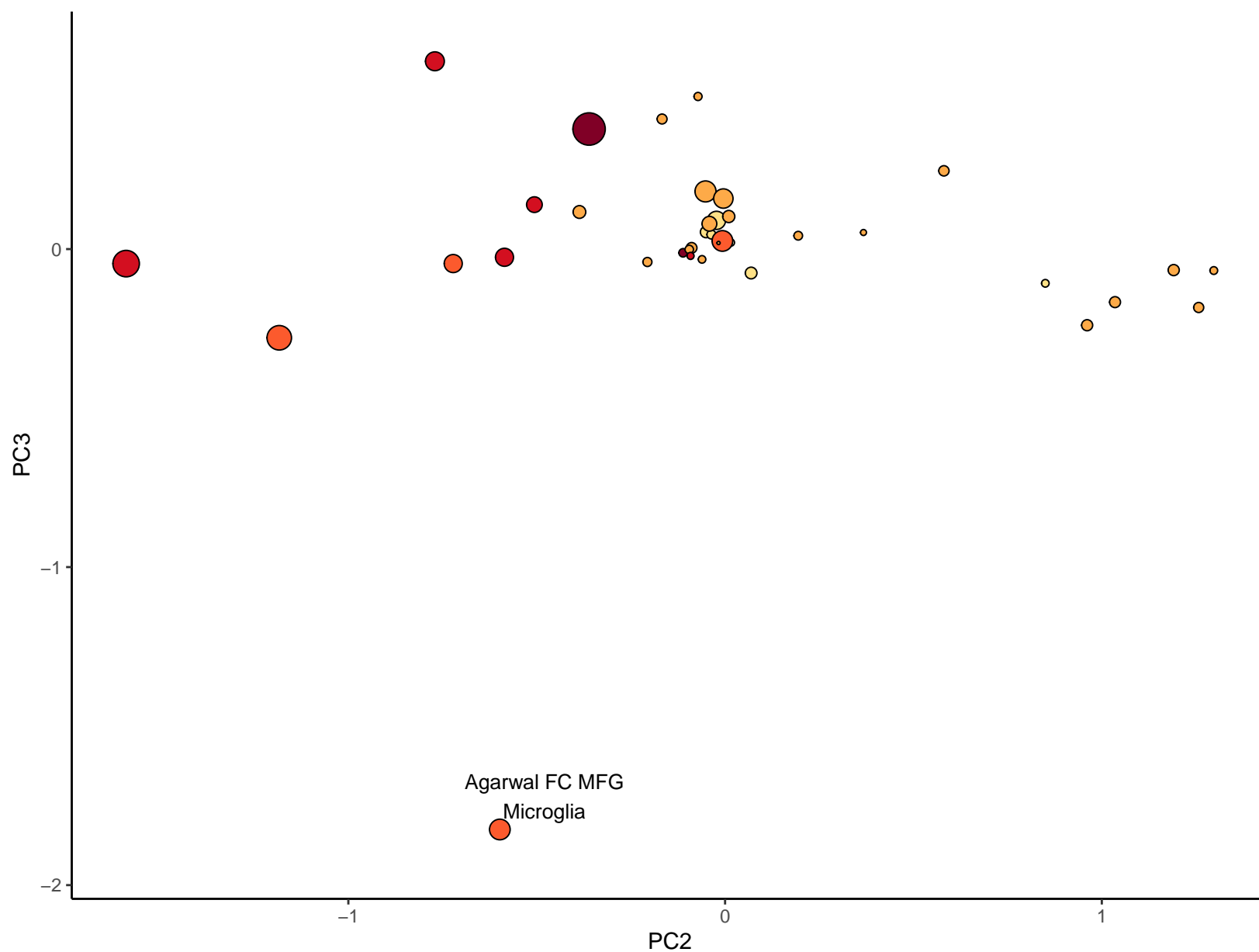**Normalized Counts Fidelity Scree Plot**

26 cell types, 29 datasets, 9,164 genes

Microglia Fidelity

26 cell types found in 29 datasets from 18 studies
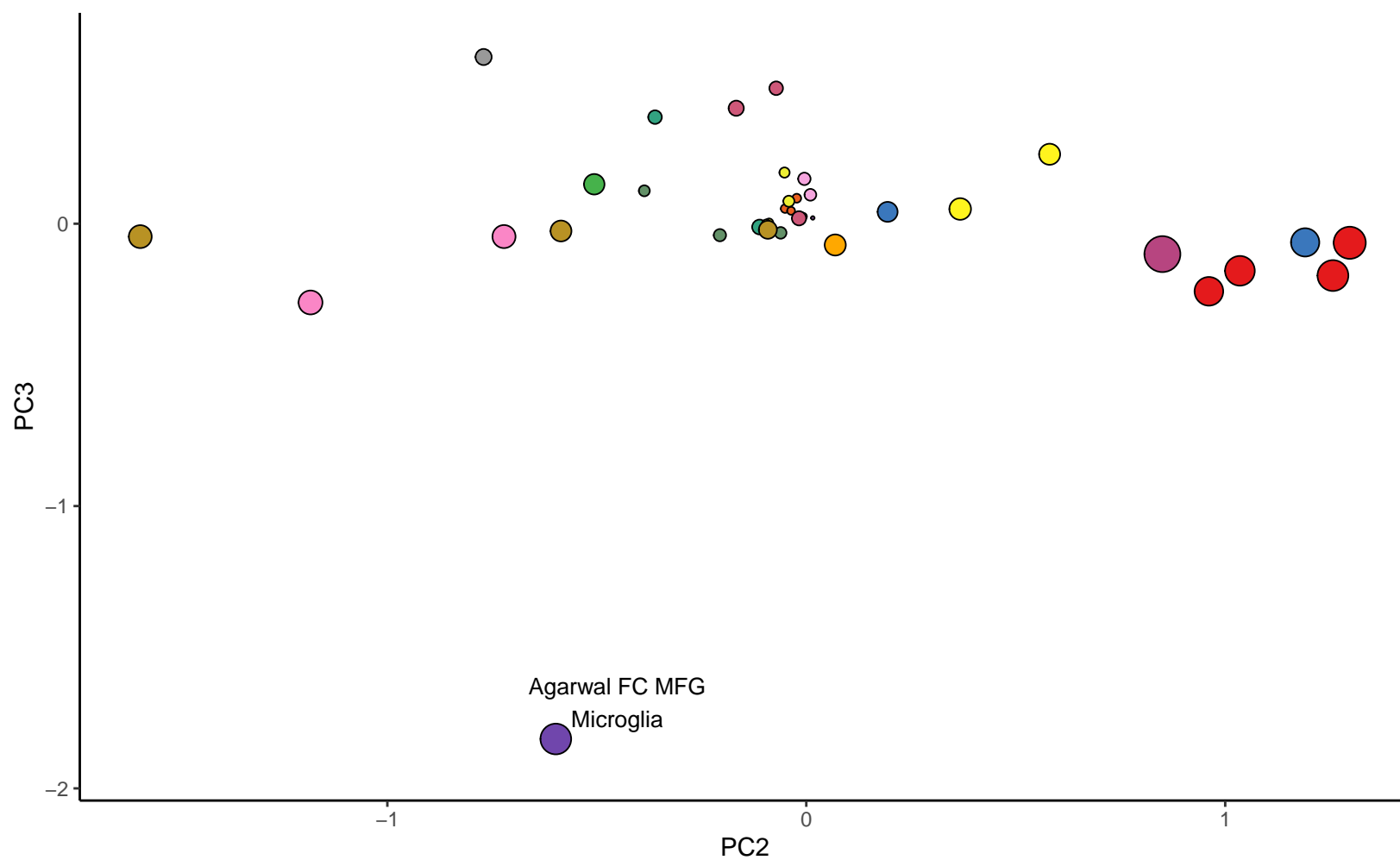9,164 genes

Agarwal FC MFG
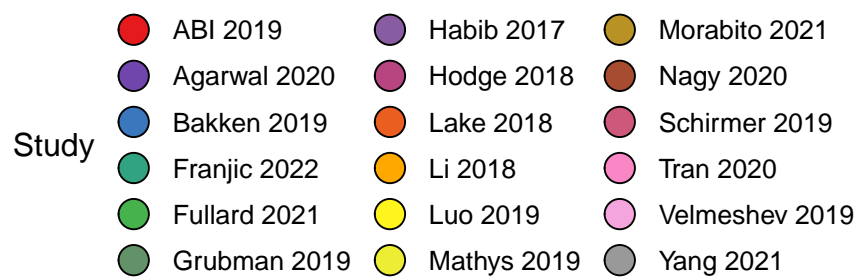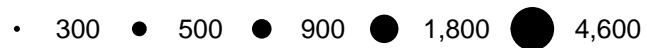Microglia

Nuclei

· 0   · 100   ● 100   ● 400   ● 1,500

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

Microglia Fidelity

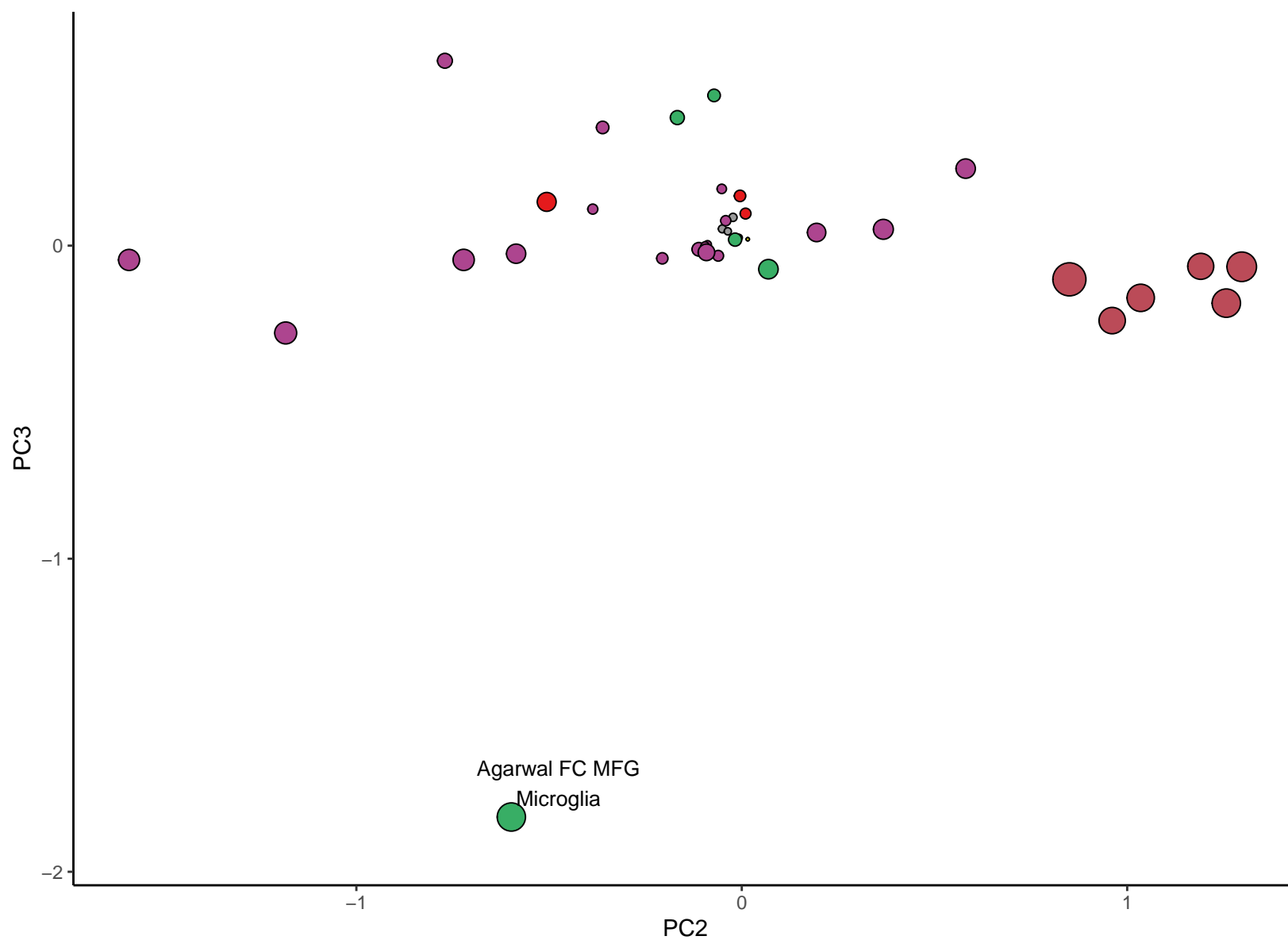26 cell types found in 29 datasets from 18 studies
9,164 genes

PC3

PC2

Agarwal FC MFG
Microglia

Median # Unique Genes

300   500   900   1,800   4,600

Study

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

Microglia Fidelity

26 cell types found in 29 datasets from 18 studies
9,164 genes

Agarwal FC MFG
Microglia
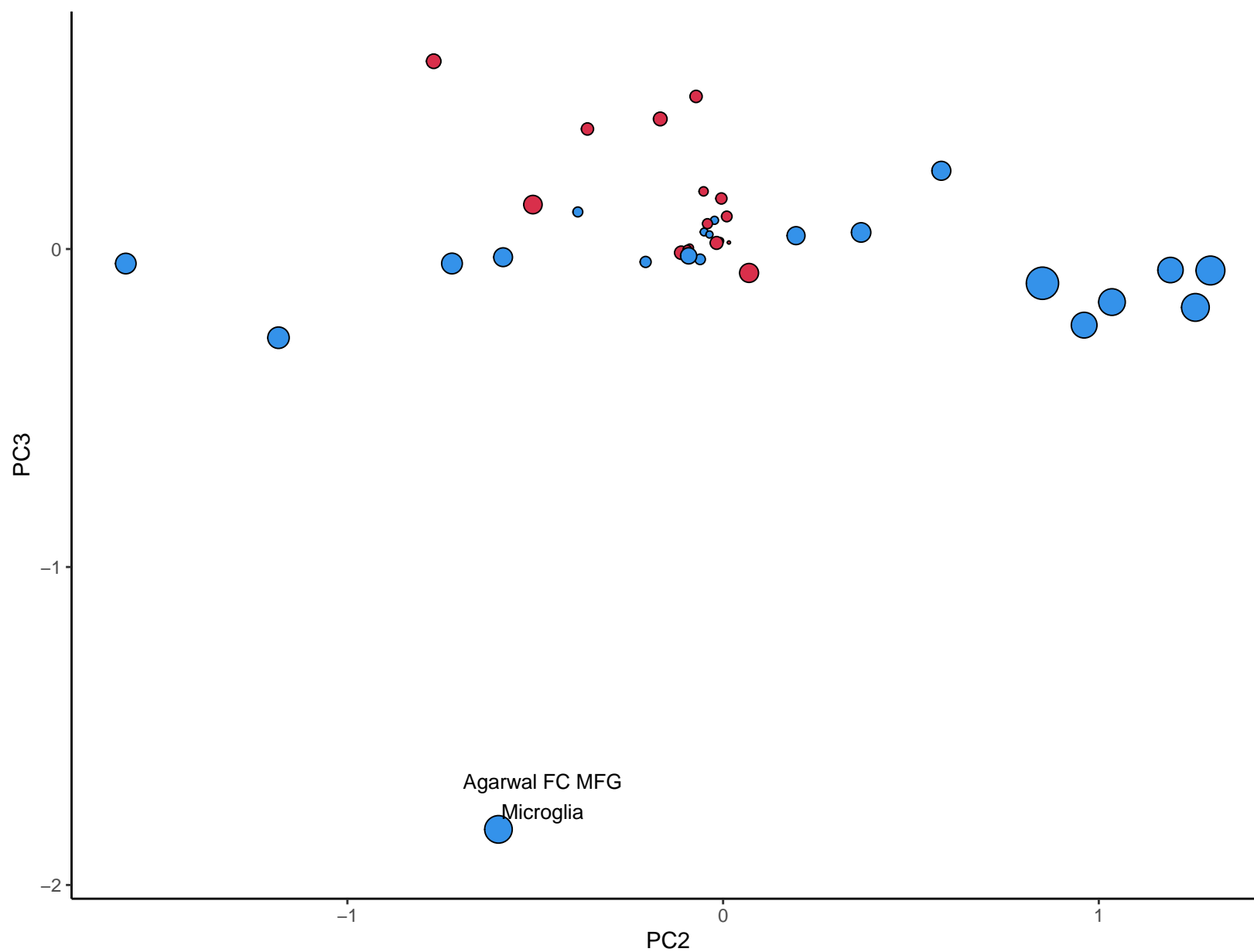
PC3

PC2

Median # Unique Genes

● 400 ● 1,000 ● 3,000 ● 4,000

Platform

● 10x Chromium ● 10x Chromium V3 ● SMART−Seq v4
● 10x Chromium V2 ● DroNc−seq ● snDrop−seq

Microglia Fidelity

26 cell types found in 29 datasets from 18 studies
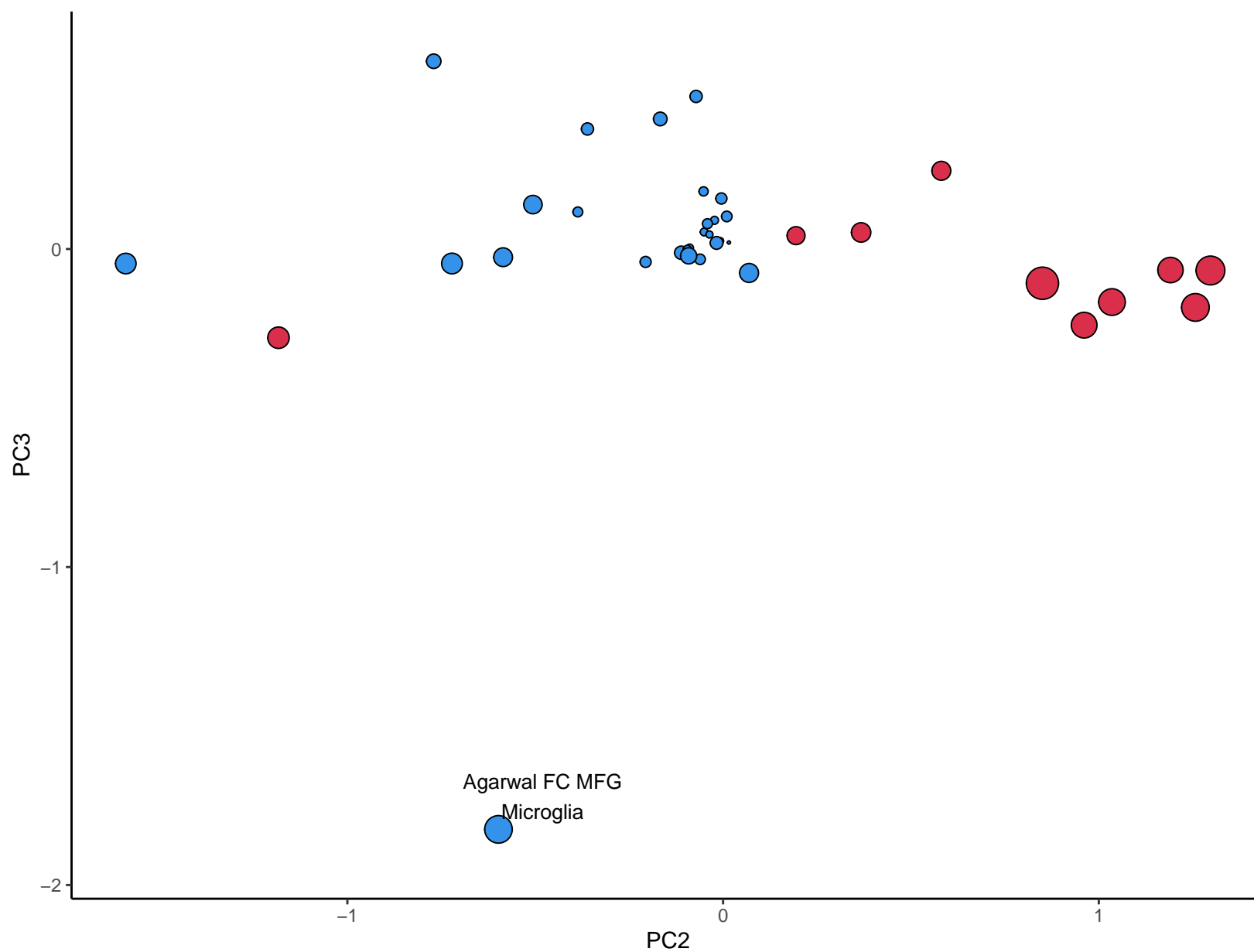9,164 genes

Agarwal FC MFG
Microglia

PC3

PC2

Median # Unique Genes

315   500   1,000   4,000

FACS   Y   N

Microglia Fidelity

26 cell types found in 29 datasets from 18 studies
9,164 genes

Agarwal FC MFG
Microglia

PC3

PC2

Median # Unique Genes

· 315 • 500 ● 1,000 ⬤ 4,000

Unbiased Sampling ⬤ Y ⬤ N