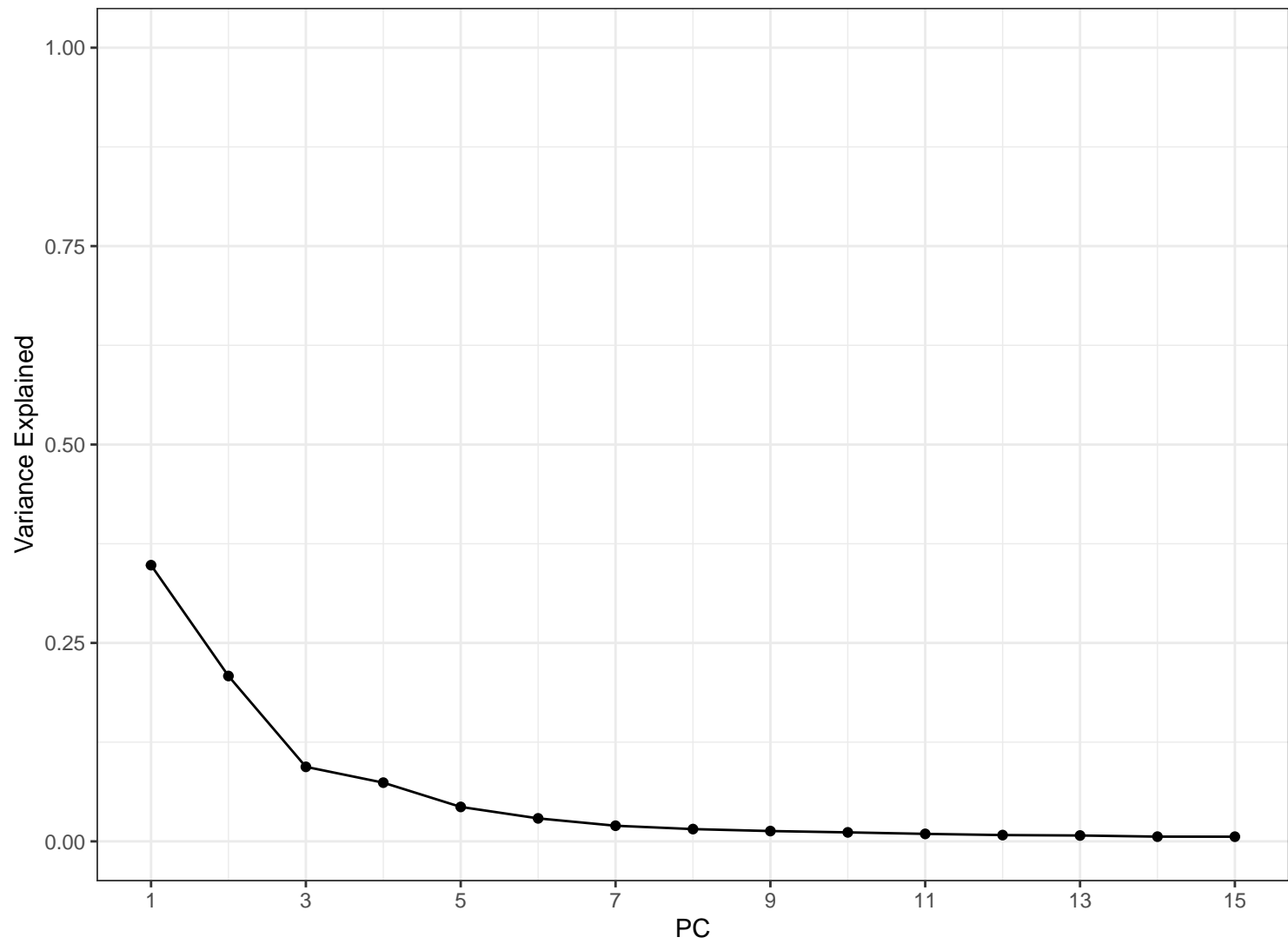


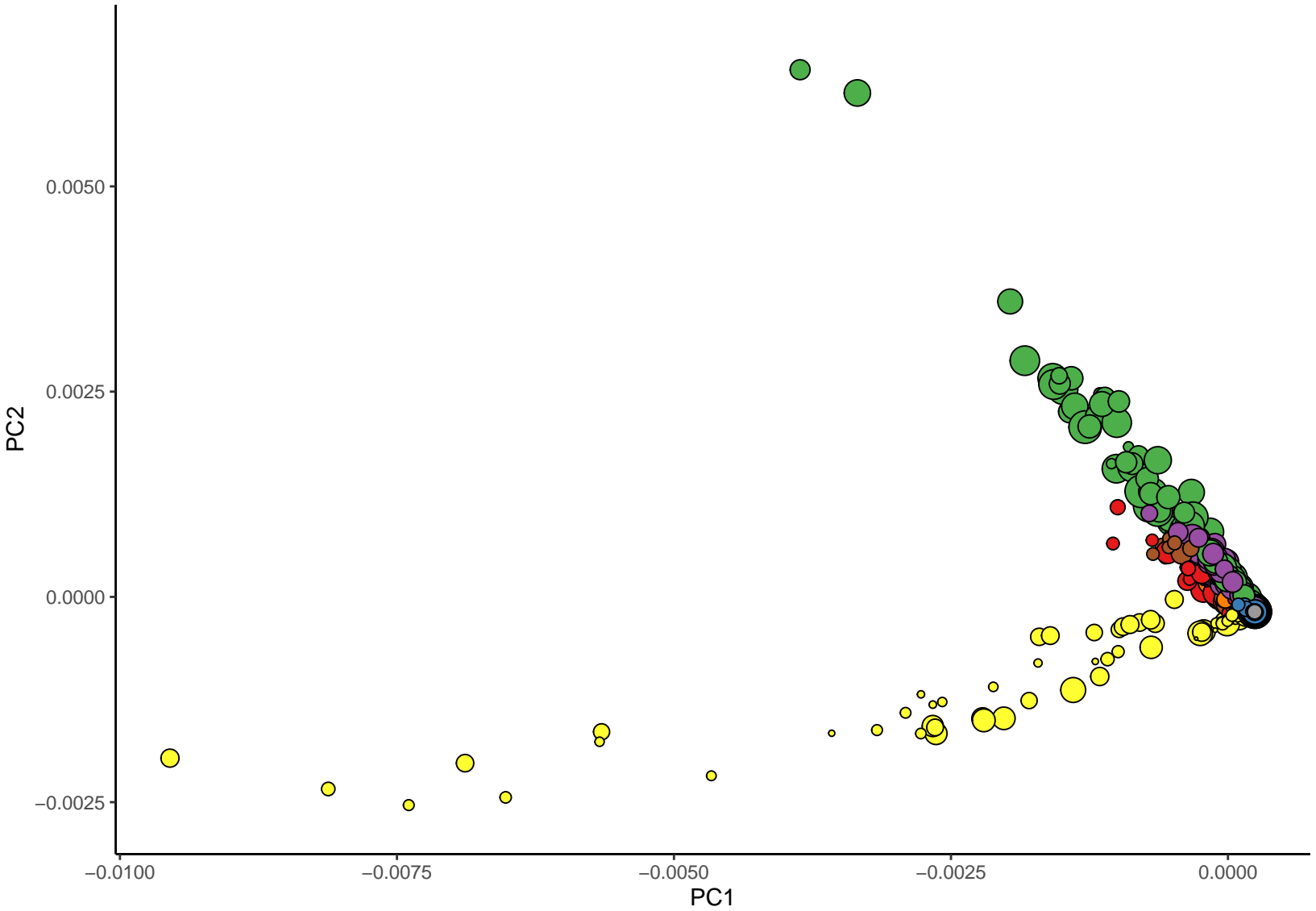
Cell Type Normalized Counts Proportional Fidelity Scree Plot

762 cell types, 30 datasets, 8,723 genes



Cell Type Proportional Fidelity

762 cell types from 18 studies
8,723 protein coding genes



Median # Unique Genes

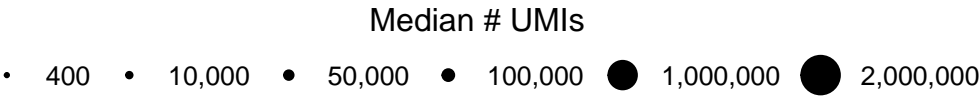
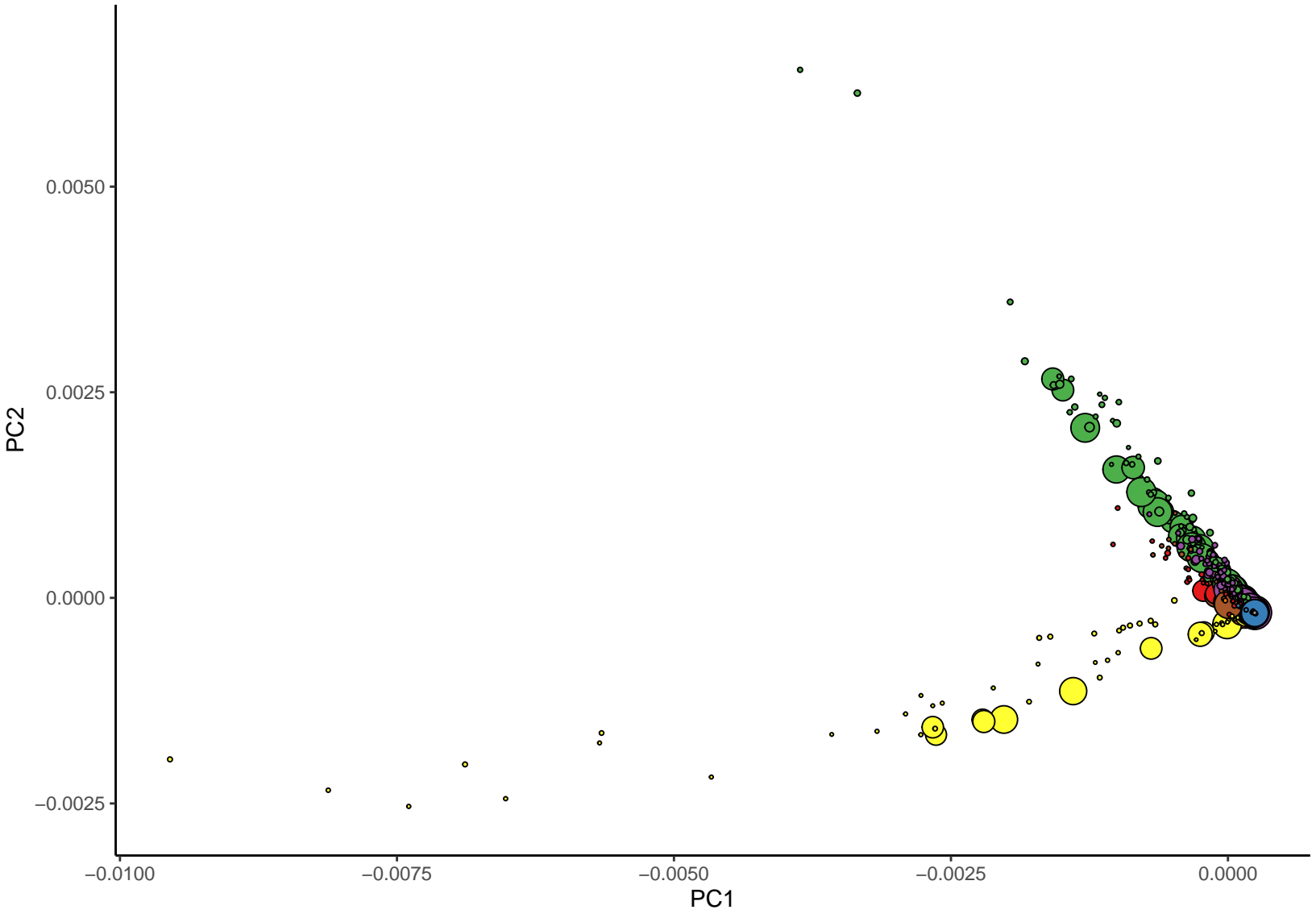
• 300 • 1,000 • 3,000 • 6,000 • 8,000

Cell Class

ASC	INH	OPC
END	MIC	PER
EXC	OG	VSMC

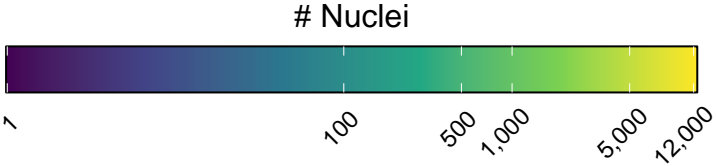
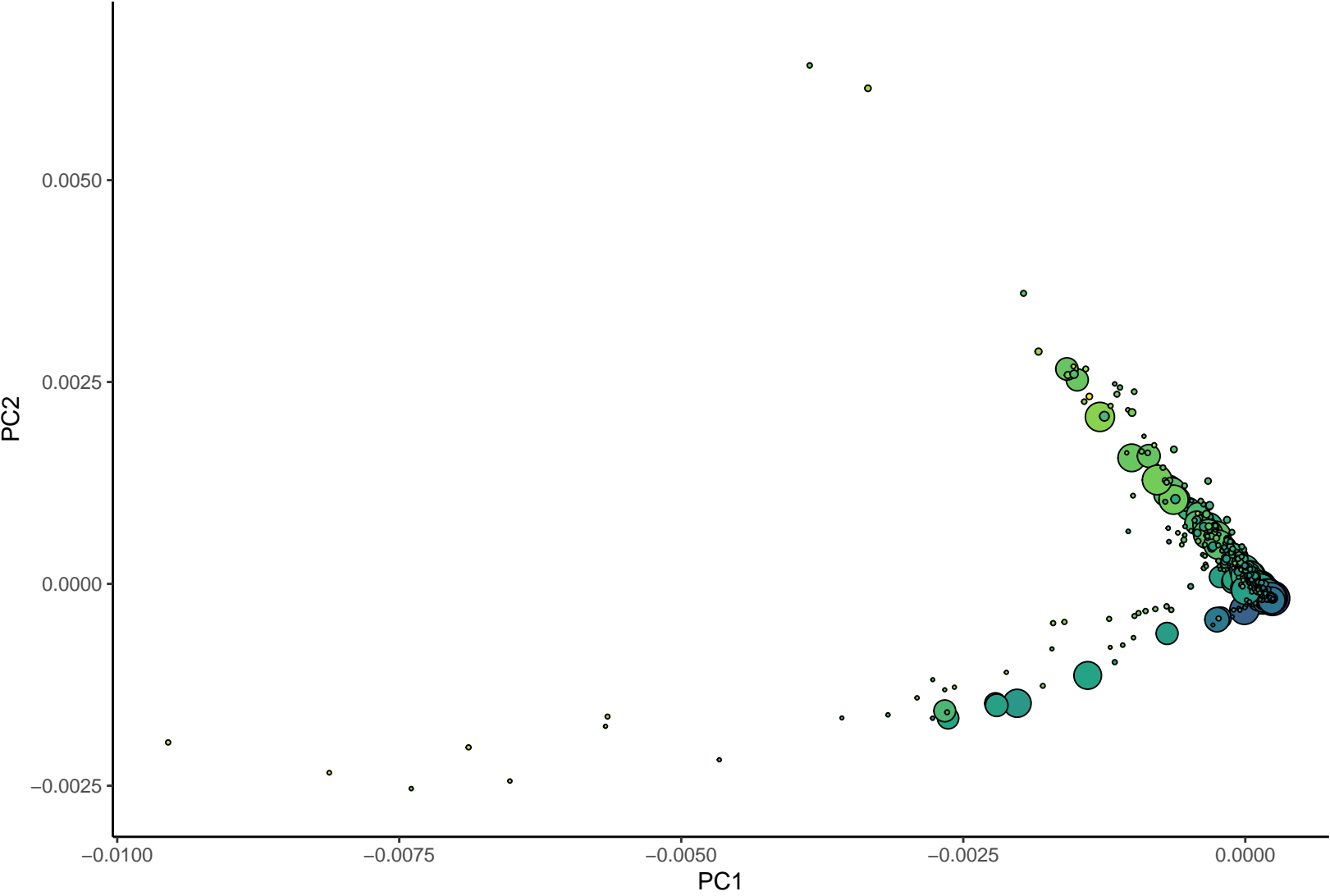
Cell Type Proportional Fidelity

762 cell types from 18 studies
8,723 protein coding genes



Cell Type Proportional Fidelity

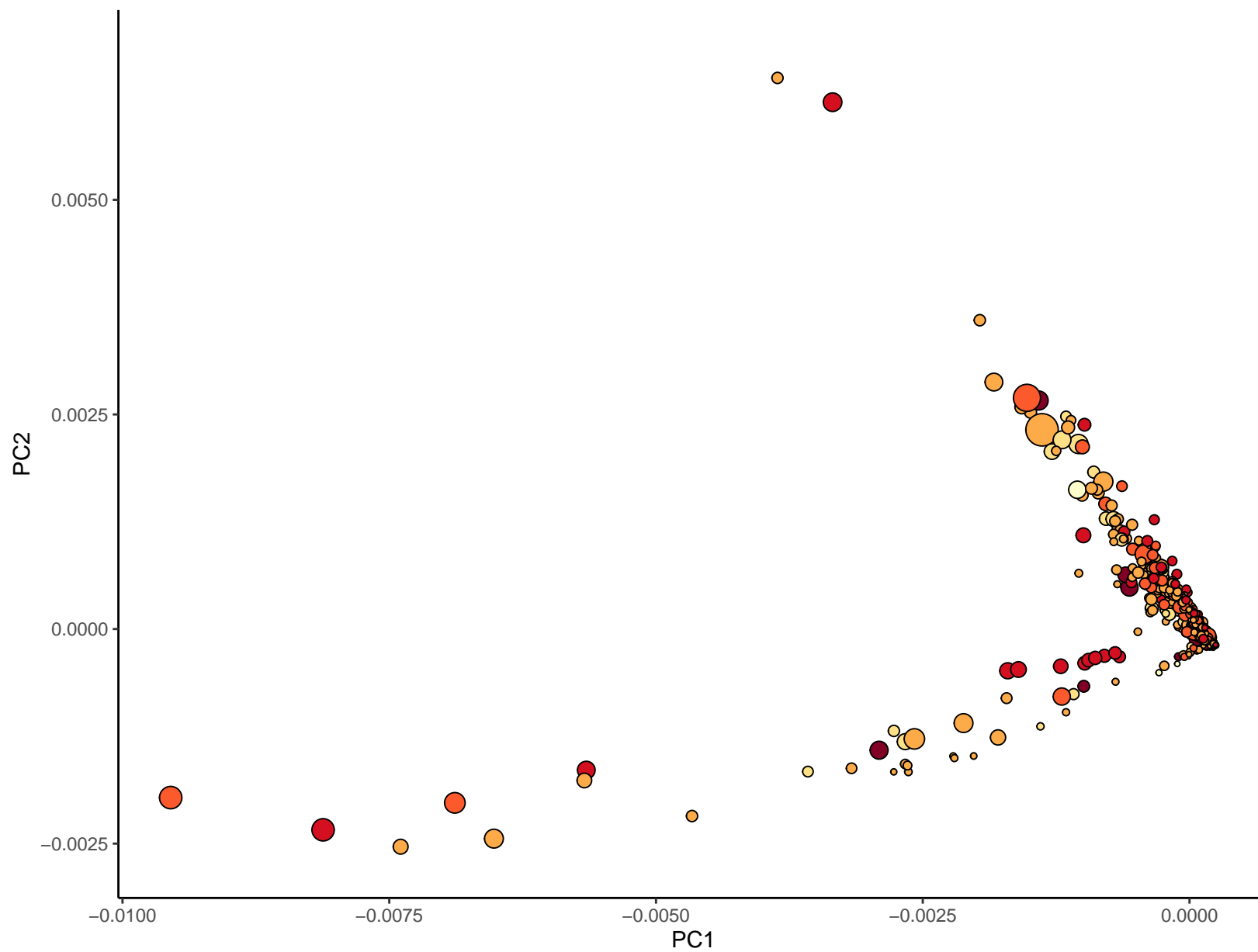
762 cell types from 18 studies
8,723 protein coding genes



Cell Type Proportional Fidelity

762 cell types from 18 studies

8,723 protein coding genes



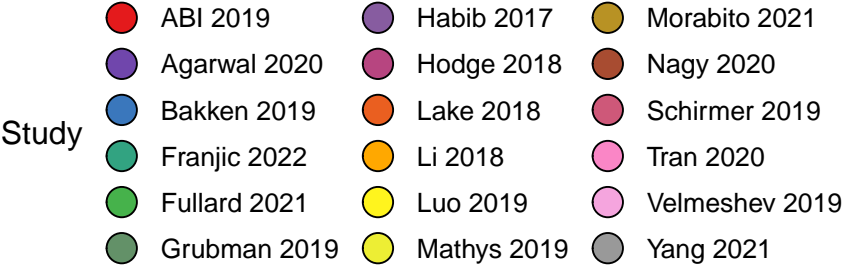
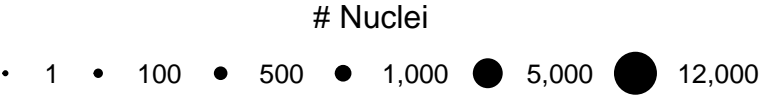
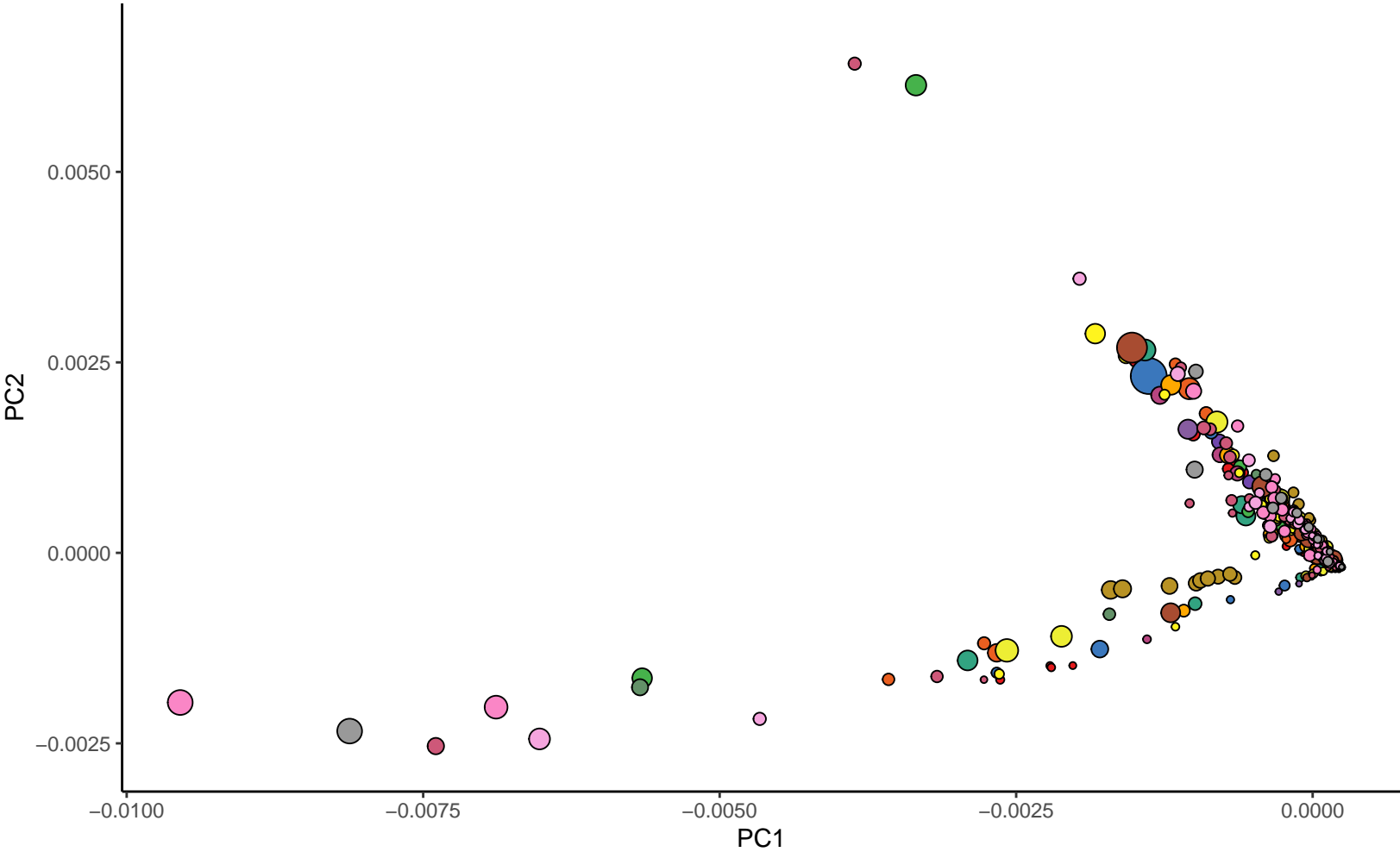
Nuclei

• 1 • 100 • 500 • 1,000 • 5,000 • 12,000

Year • 2017 • 2018 • 2019 • 2020 • 2021 • 2022

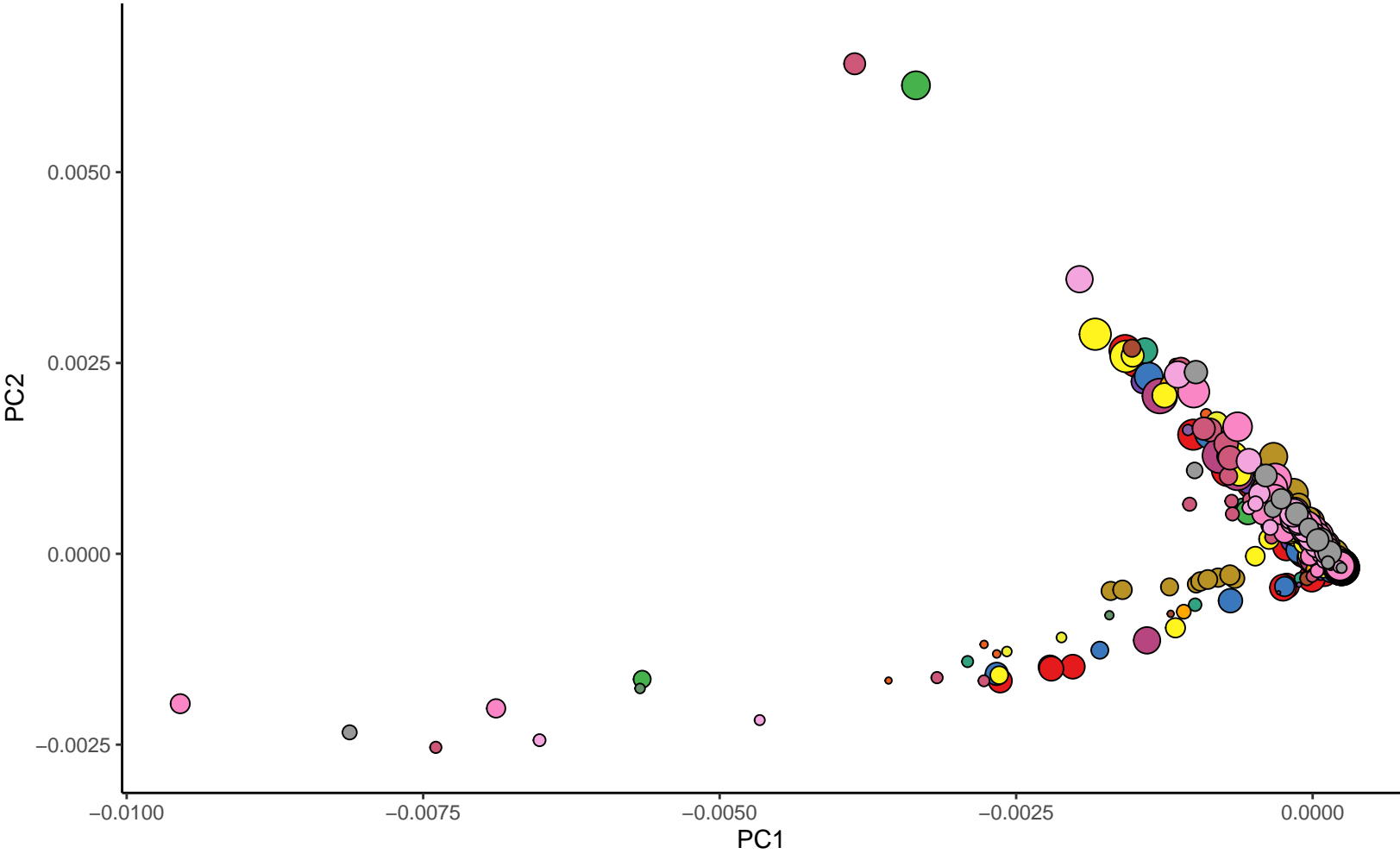
Cell Type Proportional Fidelity

762 cell types from 18 studies
8,723 protein coding genes

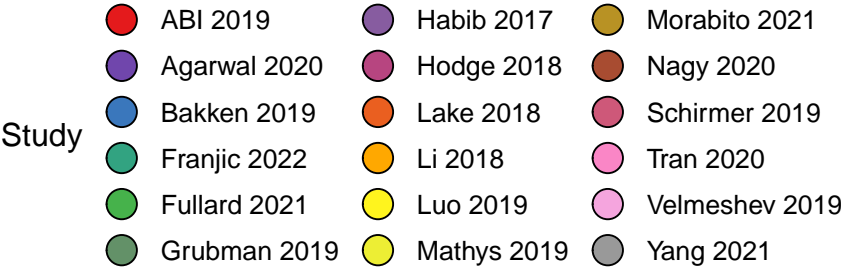
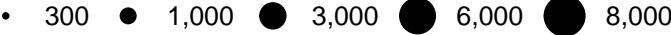


Cell Type Proportional Fidelity

762 cell types from 18 studies
8,723 protein coding genes

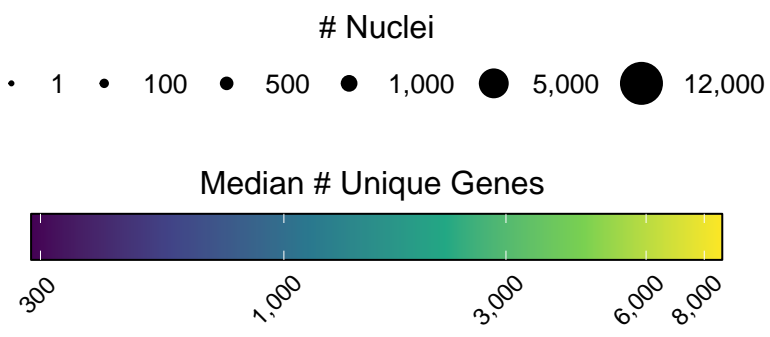
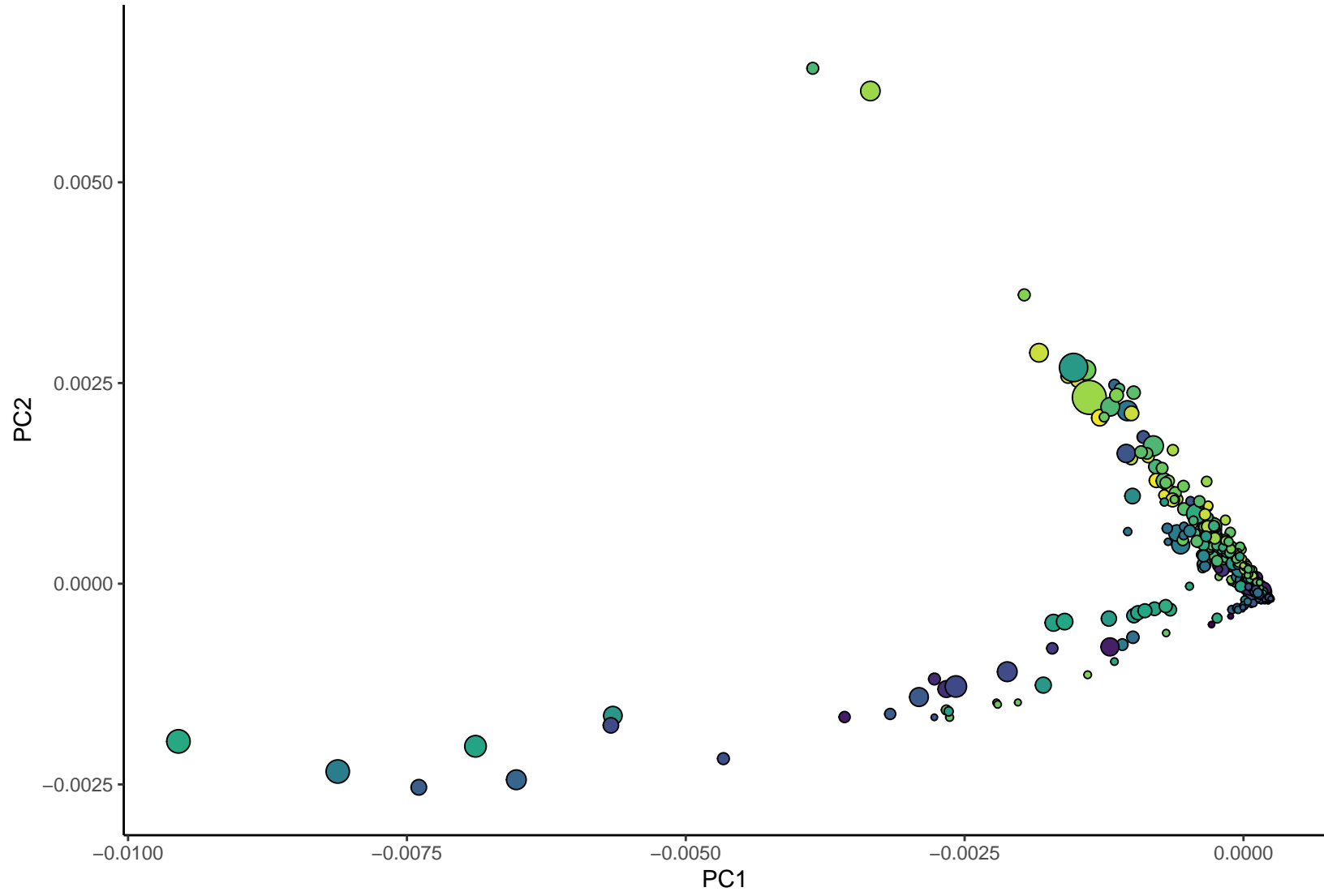


Median # Unique Genes



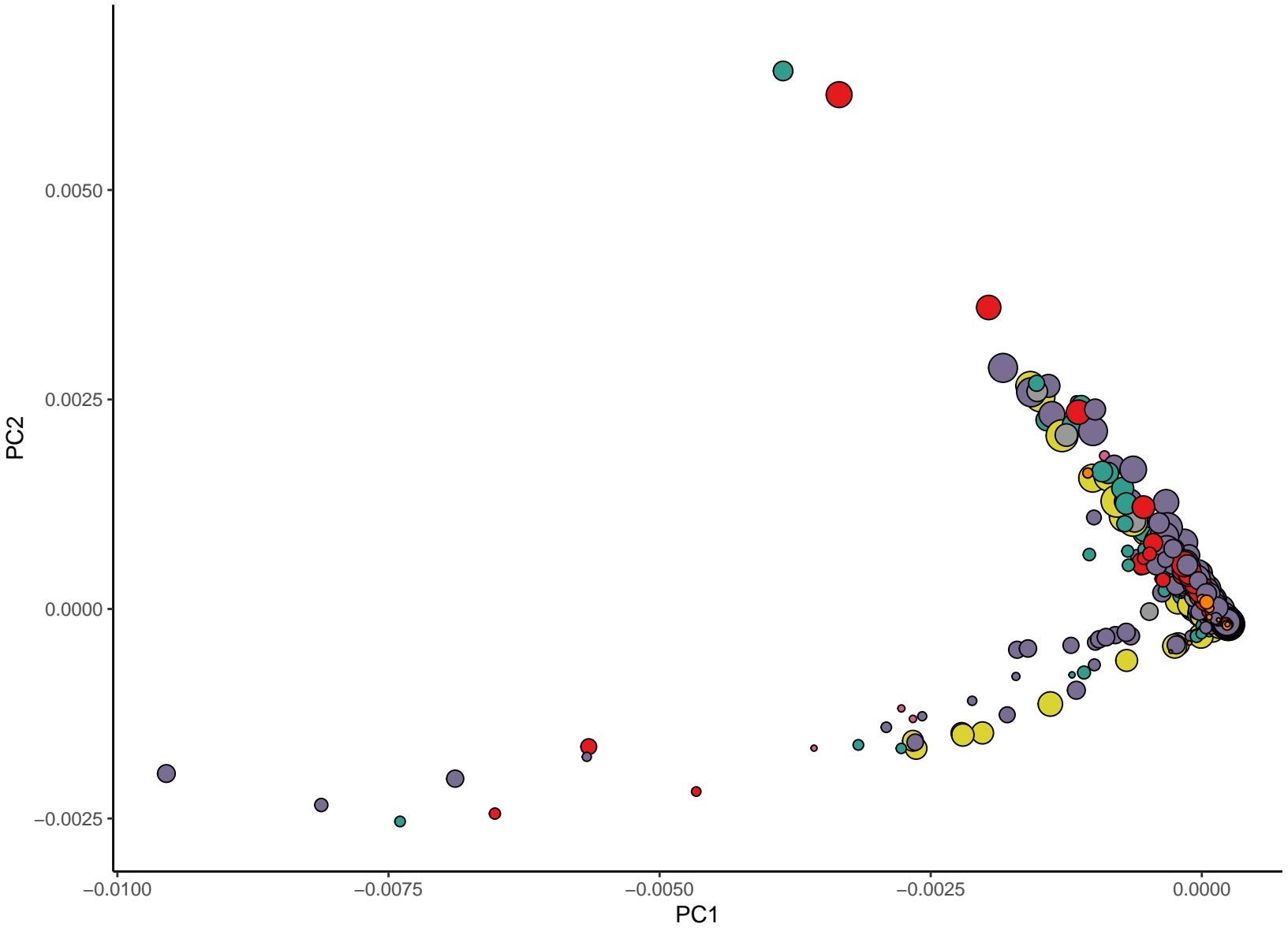
Cell Type Proportional Fidelity

762 cell types from 18 studies
8,723 protein coding genes

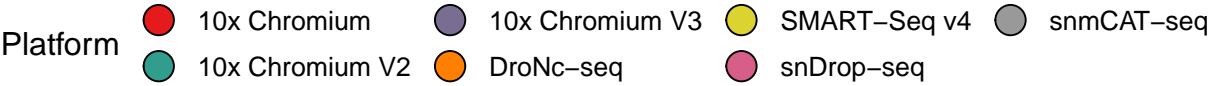
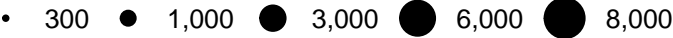


Cell Type Proportional Fidelity

762 cell types from 18 studies
8,723 protein coding genes

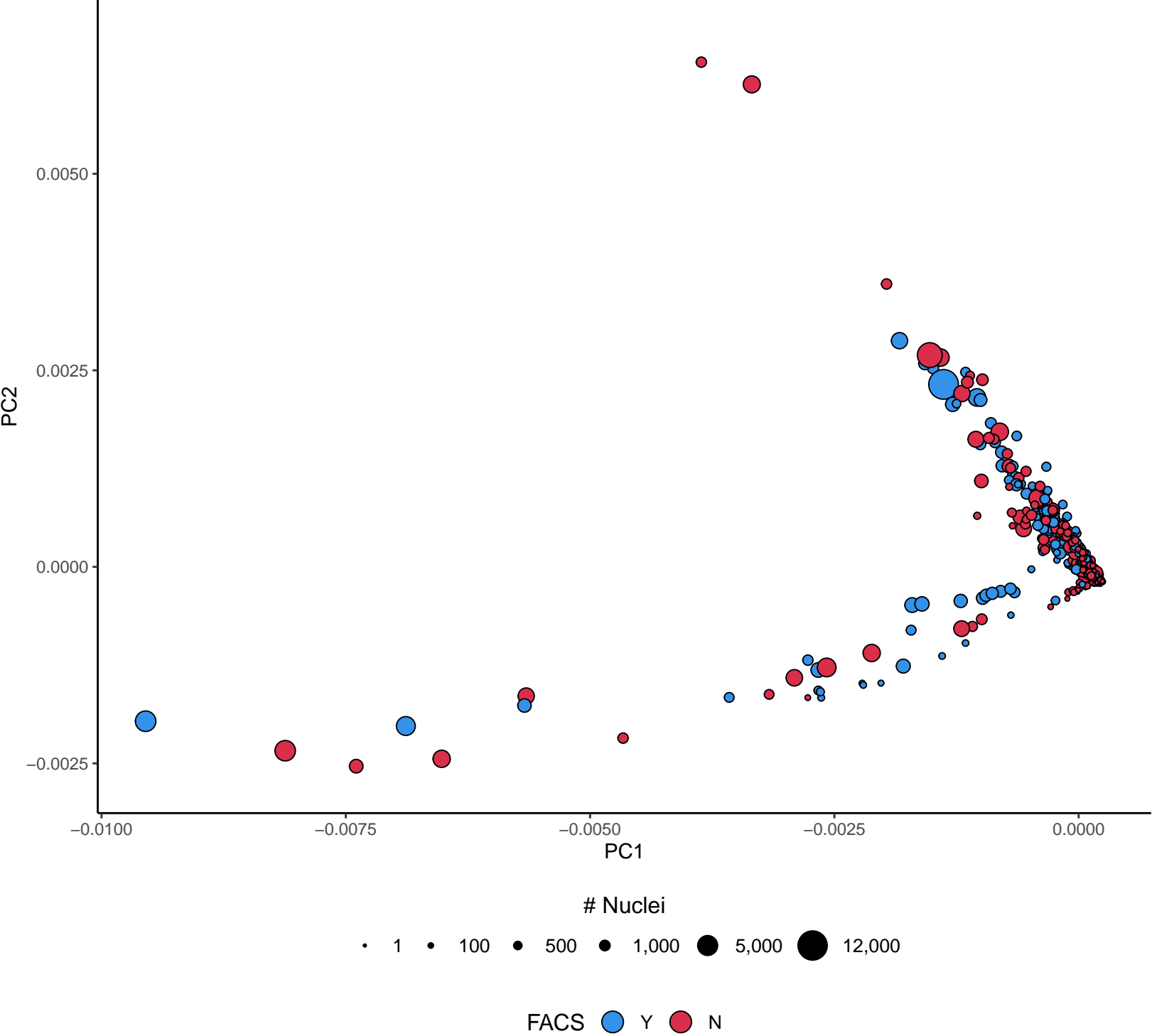


Median # Unique Genes



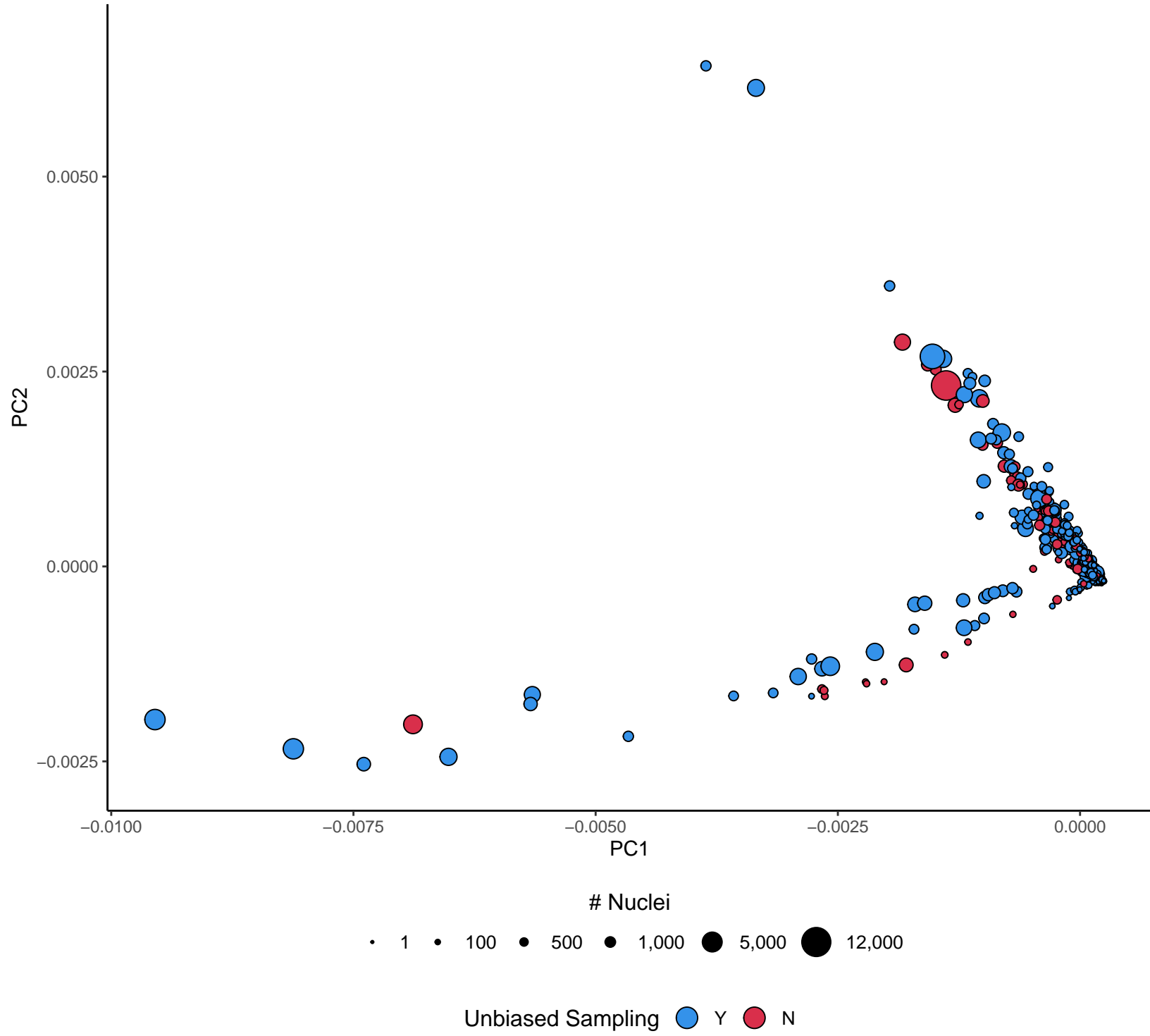
Cell Type Proportional Fidelity

762 cell types from 18 studies
8,723 protein coding genes



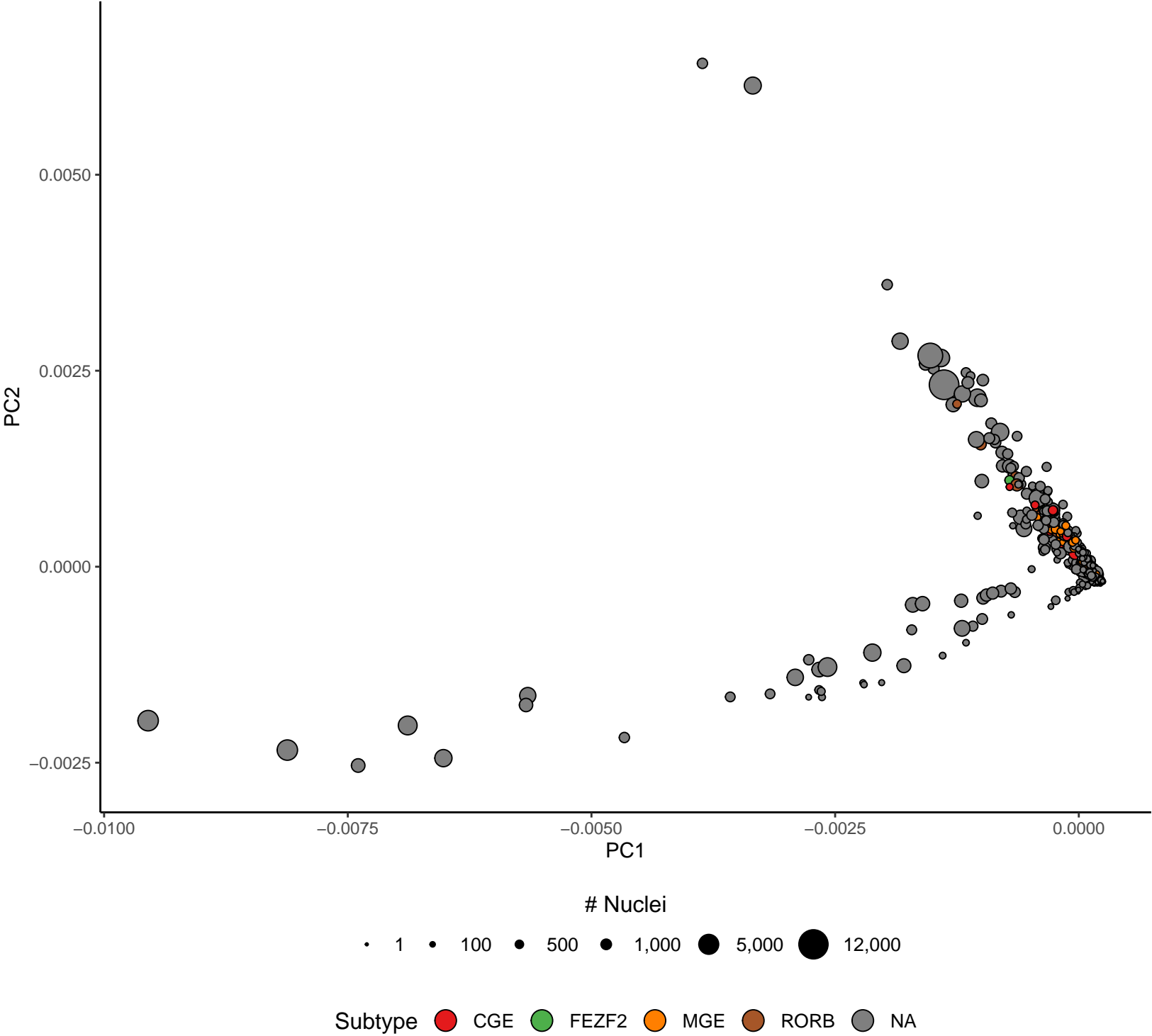
Cell Type Proportional Fidelity

762 cell types from 18 studies
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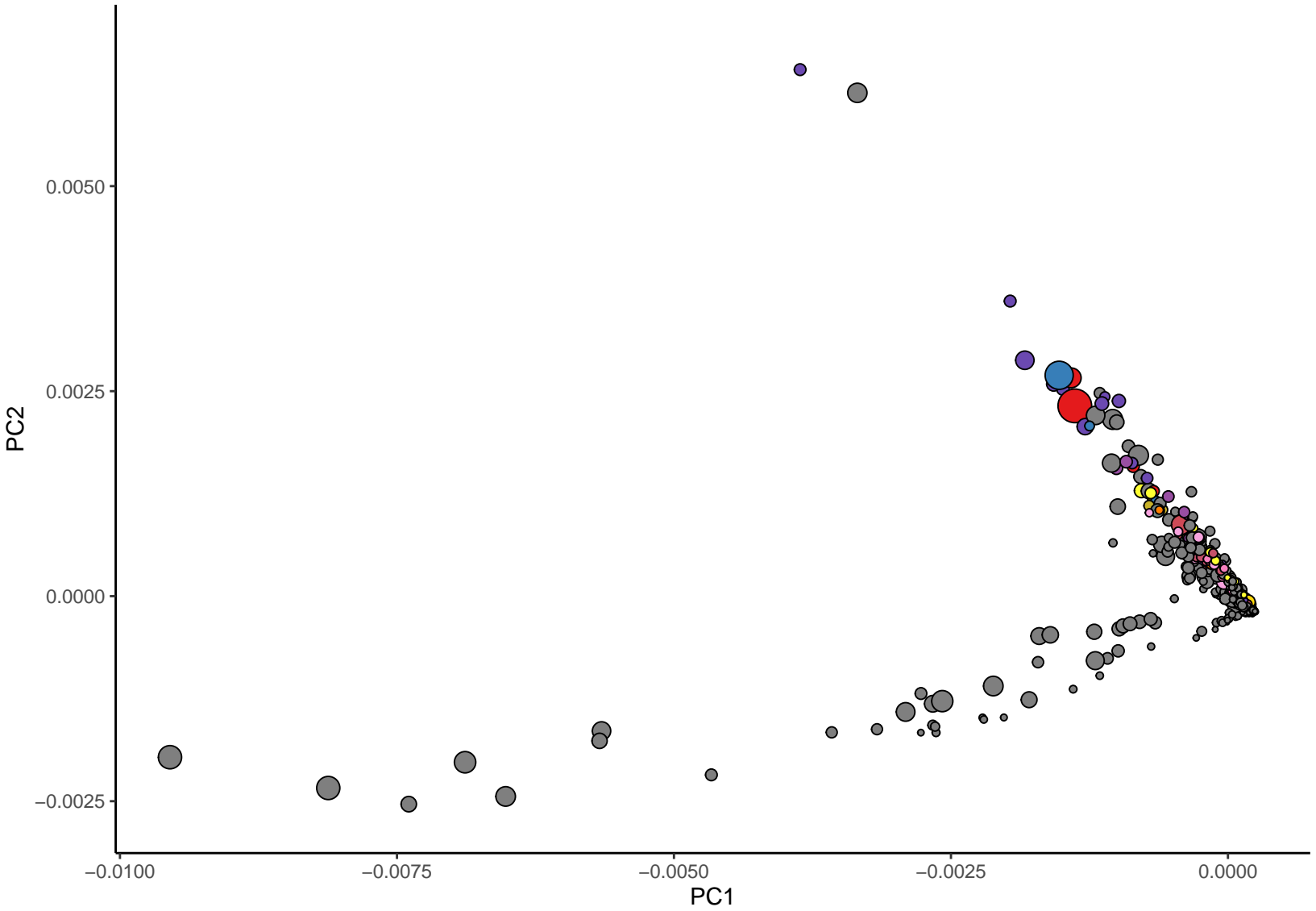
Cell Type Proportional Fidelity

762 cell types from 18 studies
8,723 protein coding genes



Cell Type Proportional Fidelity

762 cell types from 18 studies
8,723 protein coding genes



Nuclei

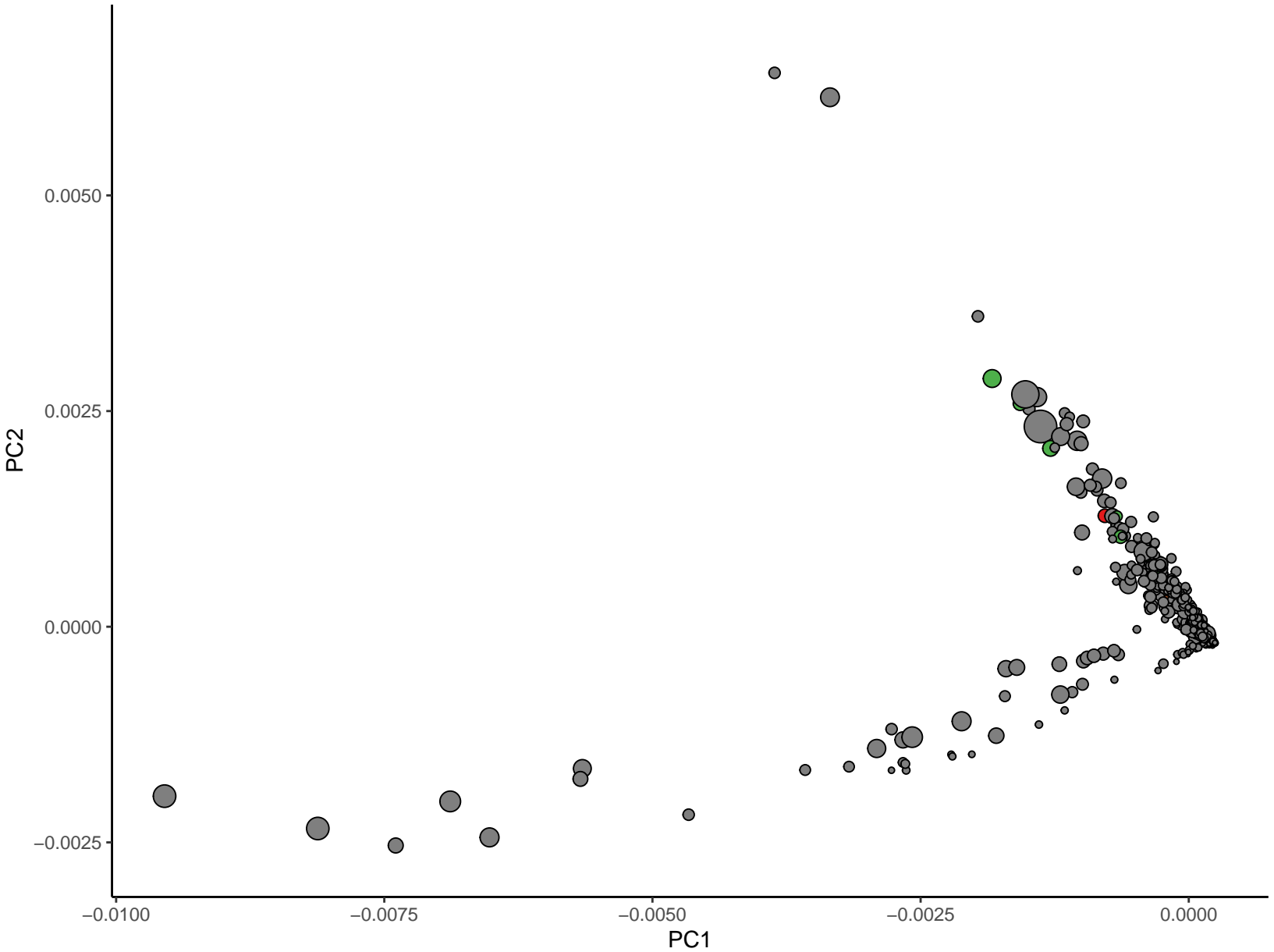
• 1 • 100 • 500 • 1,000 • 5,000 • 12,000

Subtype

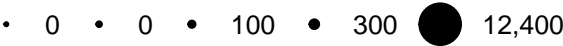
L2	L3	L4	L5	LAMP5/PAX6	VIP
L2-3	L3-4	L4-5	L5-6	PVALB	NA
L2-4	L3-5	L4-6	L6	SST	

Cell Type Proportional Fidelity

762 cell types from 18 studies
8,723 protein coding genes



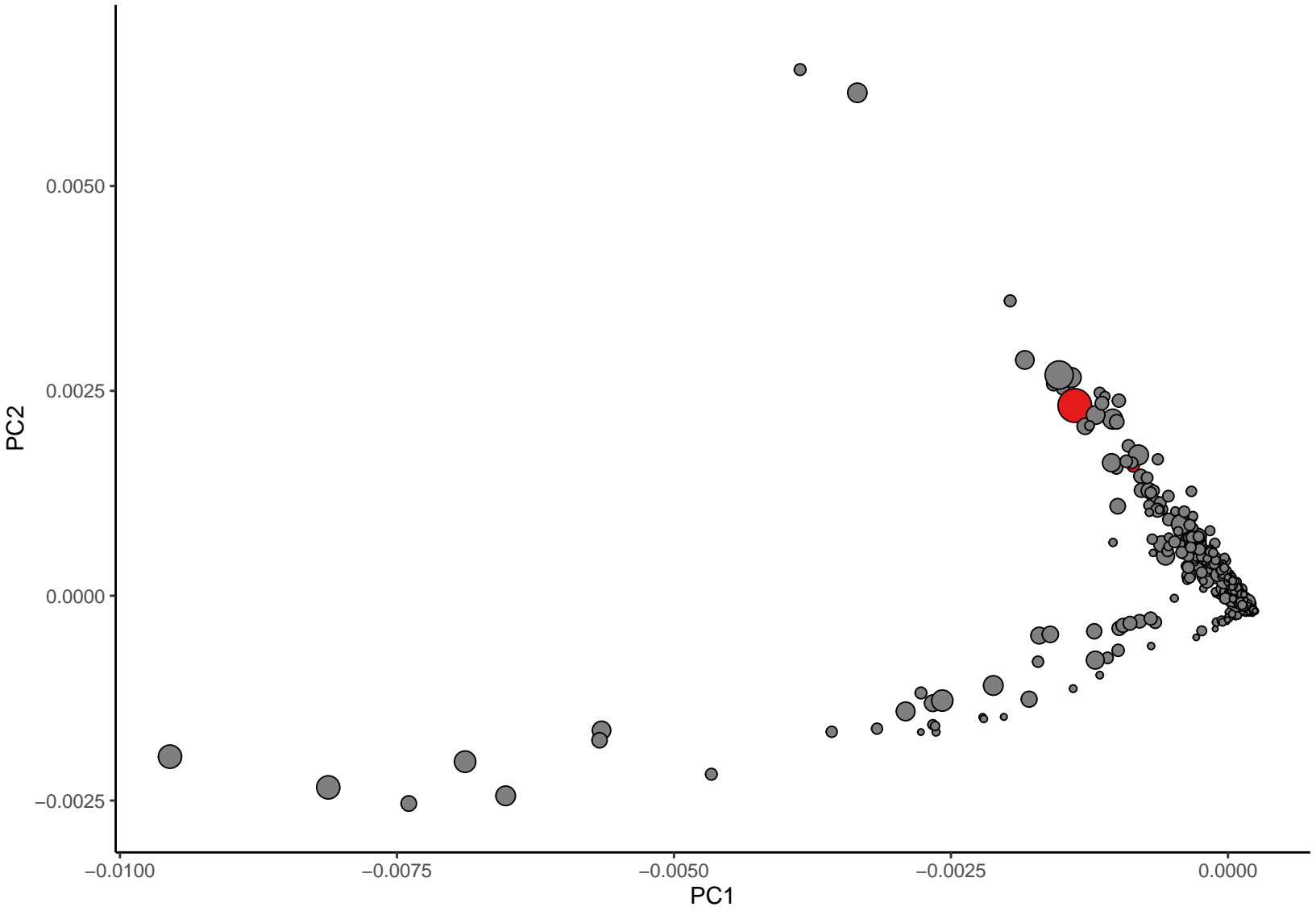
Nuclei



Hodge 2018 Subtype ● Exc Deep layers ● Exc Superficial layers ● GABAergic ADARB2 ● GABAergic LHX6 ● NA

Cell Type Proportional Fidelity

762 cell types from 18 studies
8,723 protein coding genes



Nuclei

• 0 • 0 • 100 • 300 • 12,400

- Bakken 2019 Subtype
- | | | | | |
|---------|---------|------------|-------|-----------|
| L2/3 IT | L5/6 NP | L6 IT Car3 | Pvalb | Sst Chodl |
| L5 ET | L6 CT | L6b | Sncg | Vip |
| L5 IT | L6 IT | Lamp5 | Sst | NA |