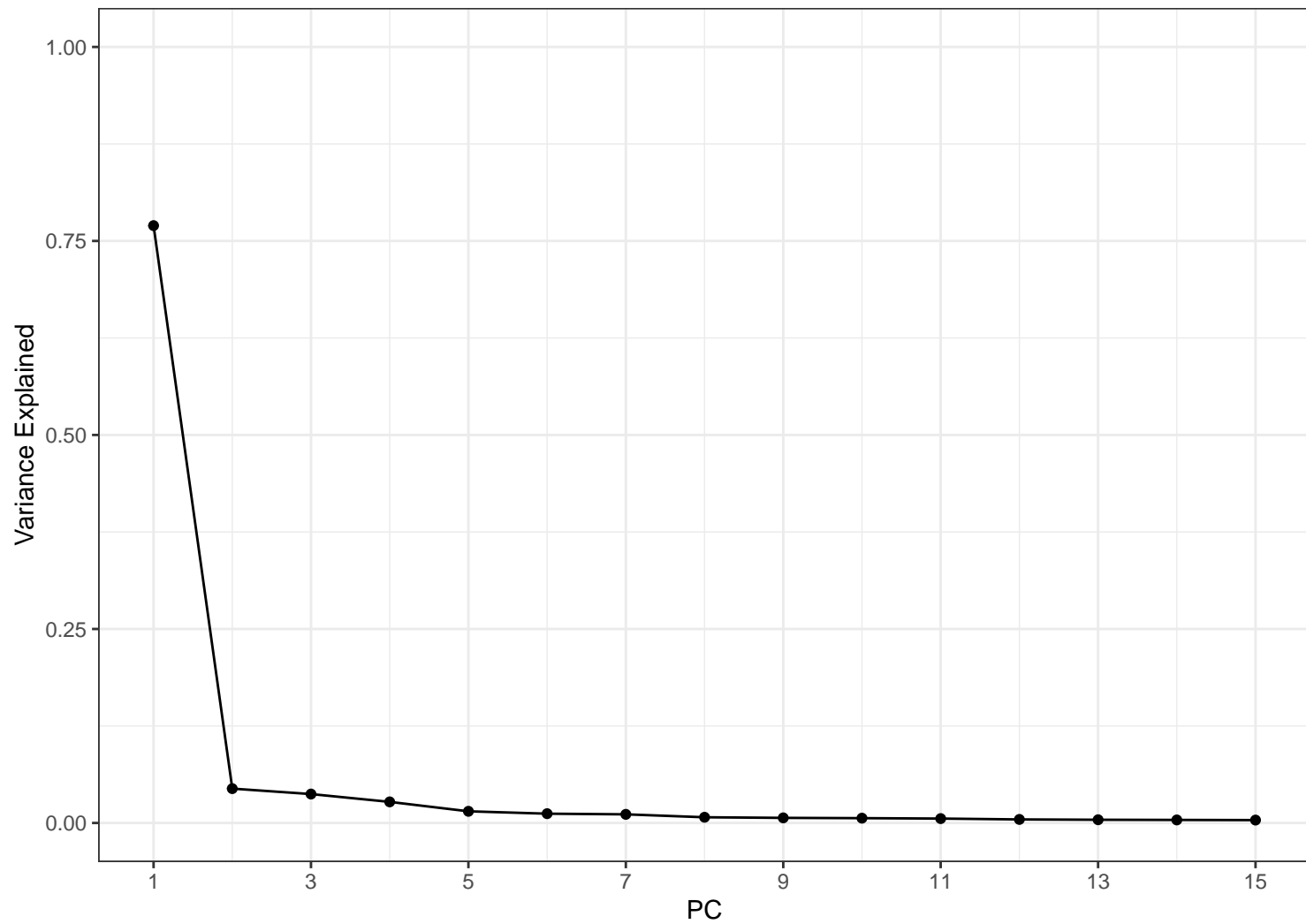**EXC Subtypes**
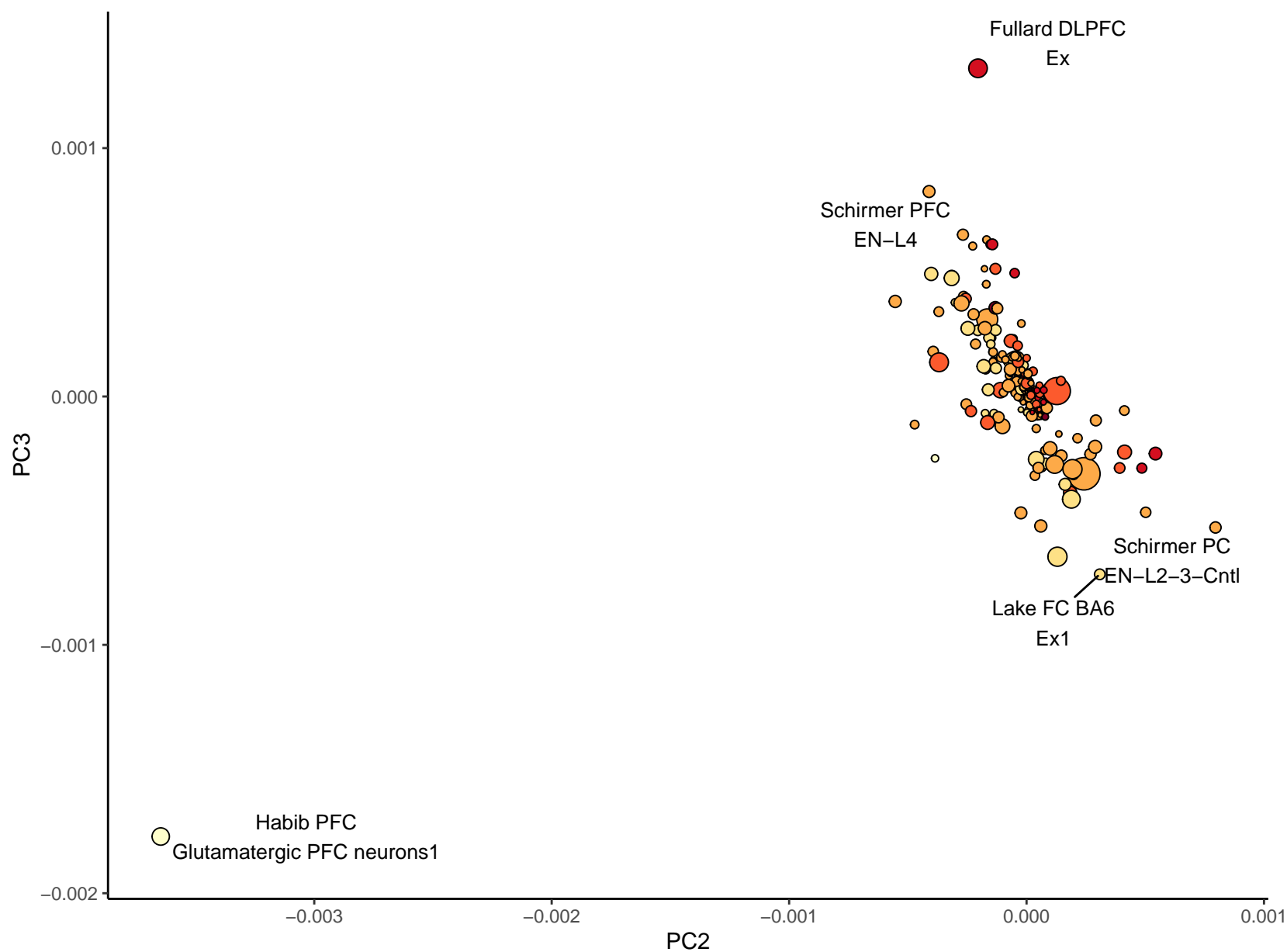**Normalized Counts Proportional Fidelity Scree Plot**
257 cell types, 29 datasets, 8,723 genes

Excitatory Neuron Proportional Fidelity

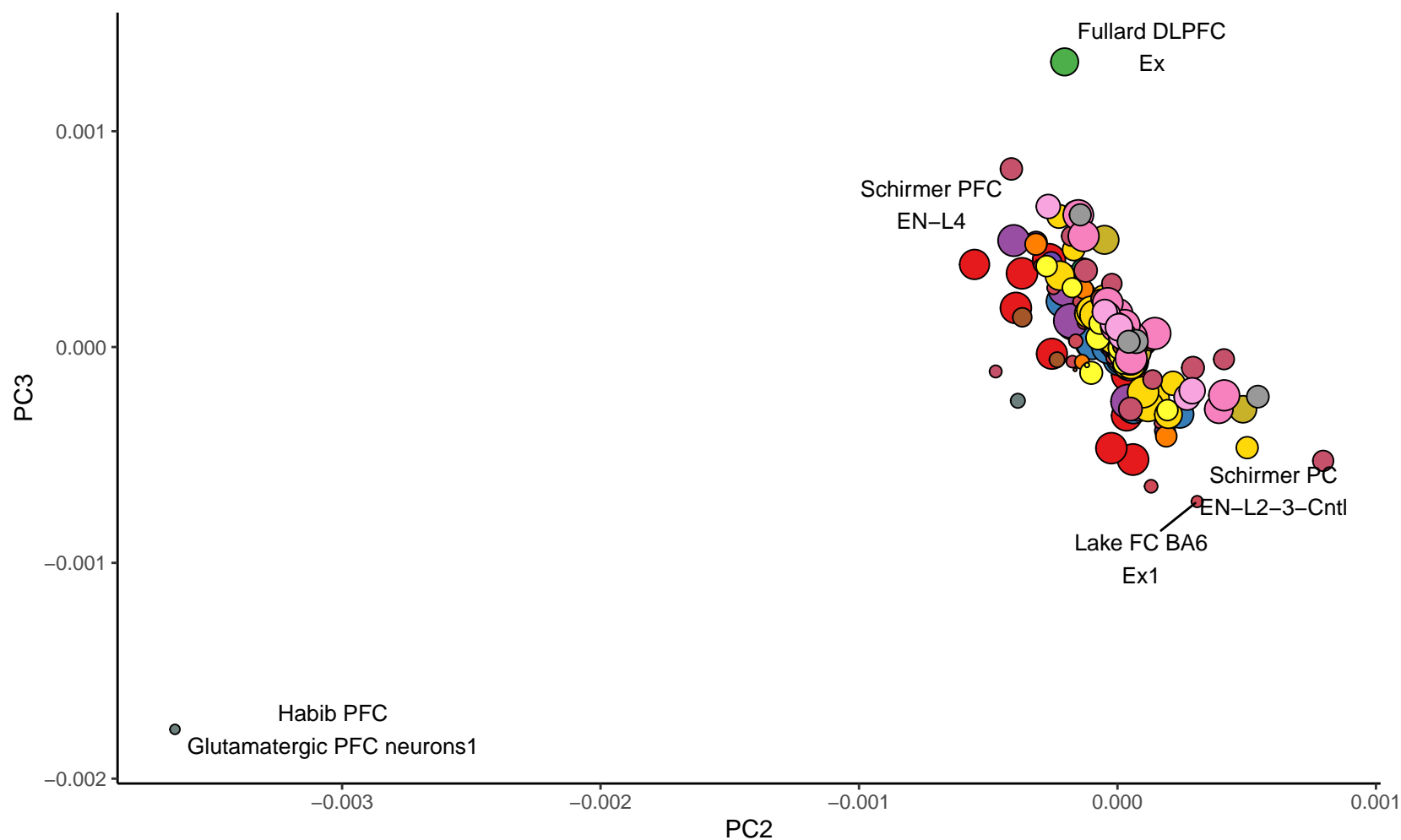257 cell types found in 29 datasets from 17 studies
8,723 genes

Fullard DLPFC
Ex

Schirmer PFC
EN−L4

Schirmer PC
EN−L2−3−Cntl

Lake FC BA6
Ex1

Habib PFC
Glutamatergic PFC neurons1

Nuclei

· 0 · 0 · 100 · 400 ● 12,400

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

Excitatory Neuron Proportional Fidelity

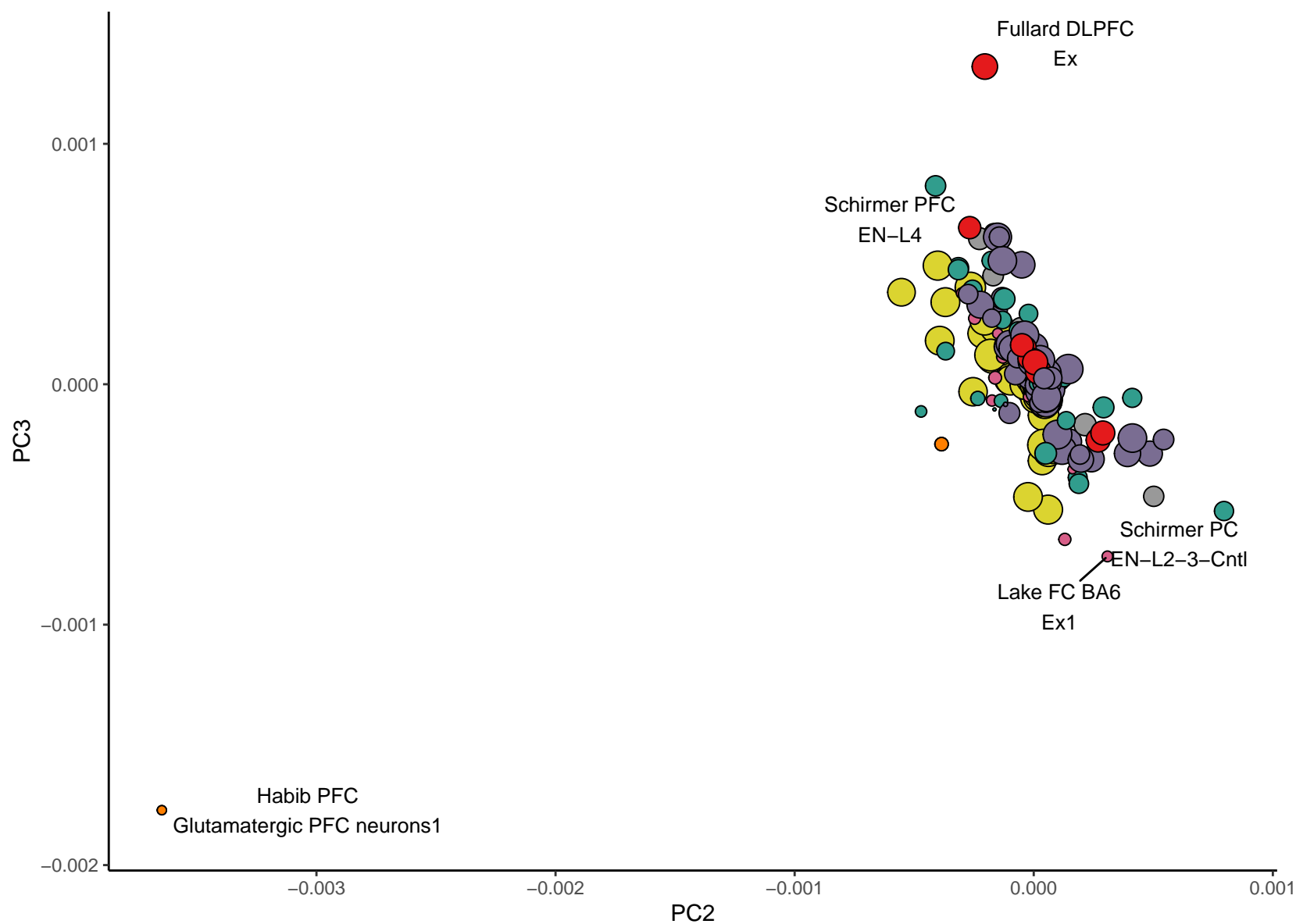257 cell types found in 29 datasets from 17 studies
8,723 genes

Fullard DLPFC
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Schirmer PFC
EN−L4

Schirmer PC
EN−L2−3−Cntl

Lake FC BA6
Ex1

Habib PFC
Glutamatergic PFC neurons1

PC3

PC2

Median # Unique Genes

400   4,200   6,300   7,000   8,700
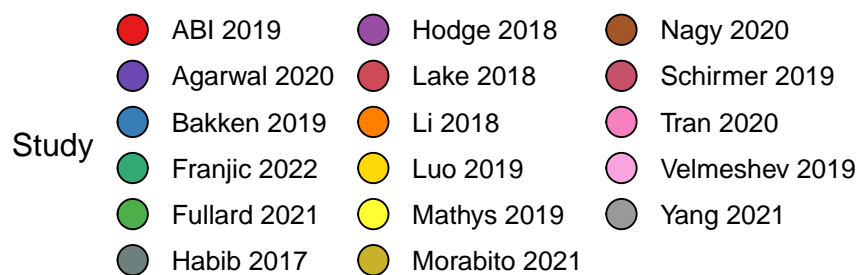
Study

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

Excitatory Neuron Proportional Fidelity

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8,723 genes

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Schirmer PC
EN−L2−3−Cntl

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Ex1

Habib PFC
Glutamatergic PFC neurons1

PC3

PC2

Median # Unique Genes

400   1,000   3,000   6,000   8,000

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

Excitatory Neuron Proportional Fidelity

257 cell types found in 29 datasets from 17 studies
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PC3

PC2
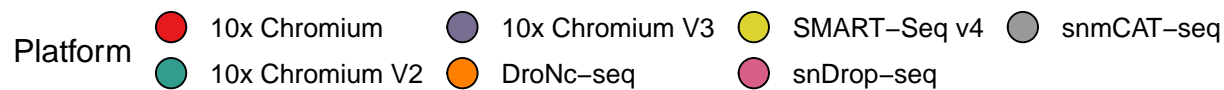
Median # Unique Genes

369   500   1,000   5,000   8,000

FACS   Y   N

Excitatory Neuron Proportional Fidelity

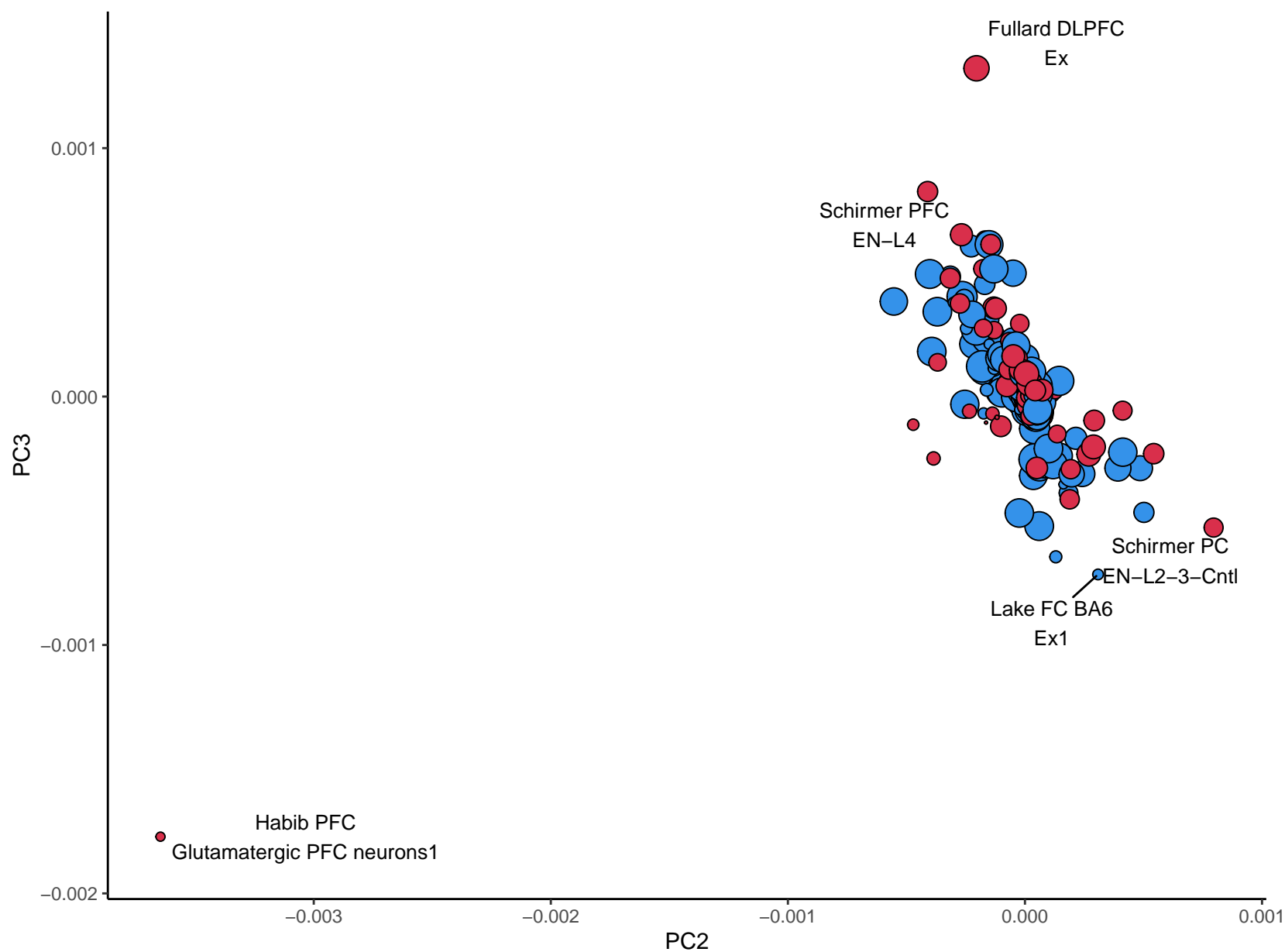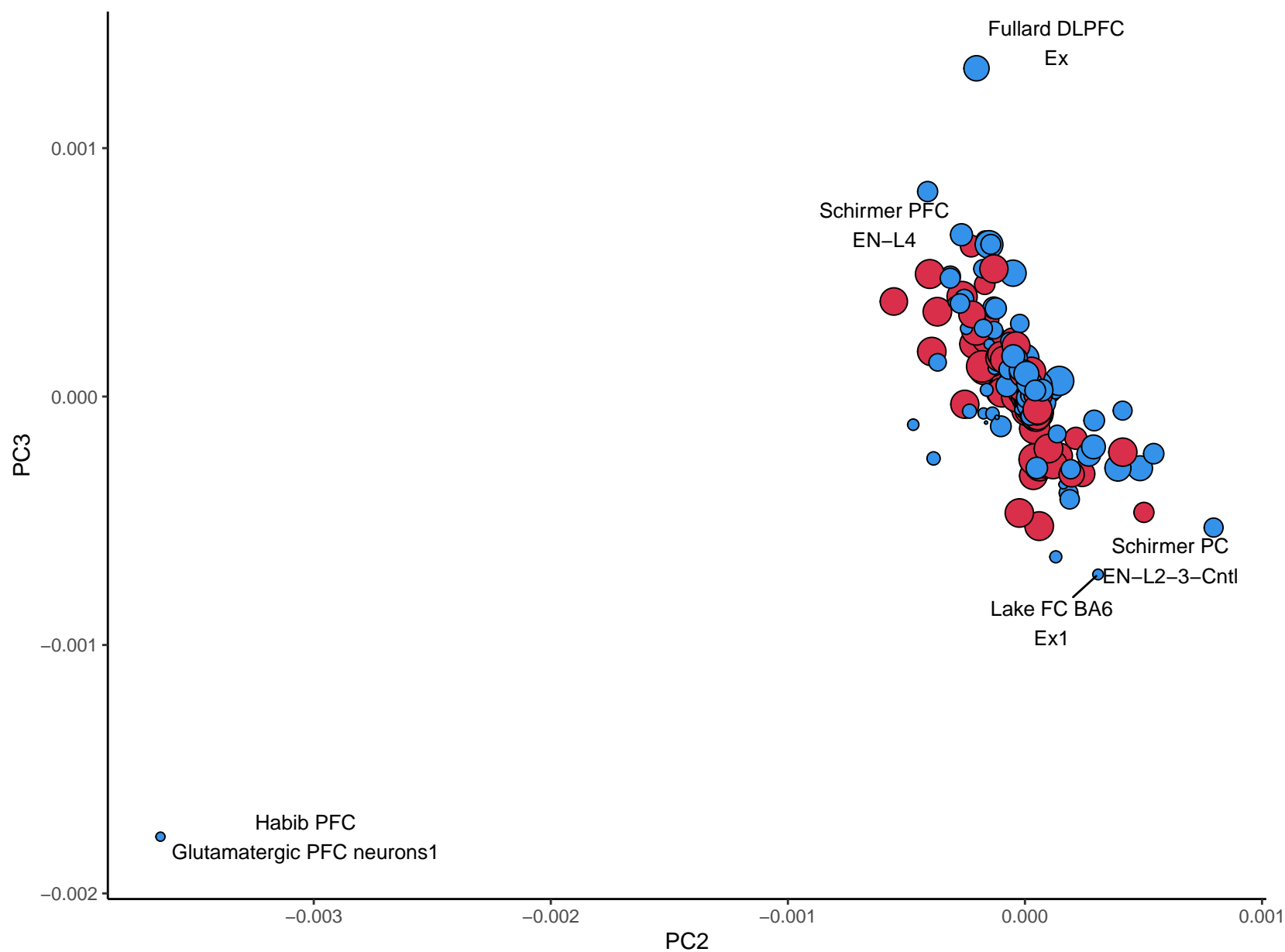257 cell types found in 29 datasets from 17 studies
8,723 genes

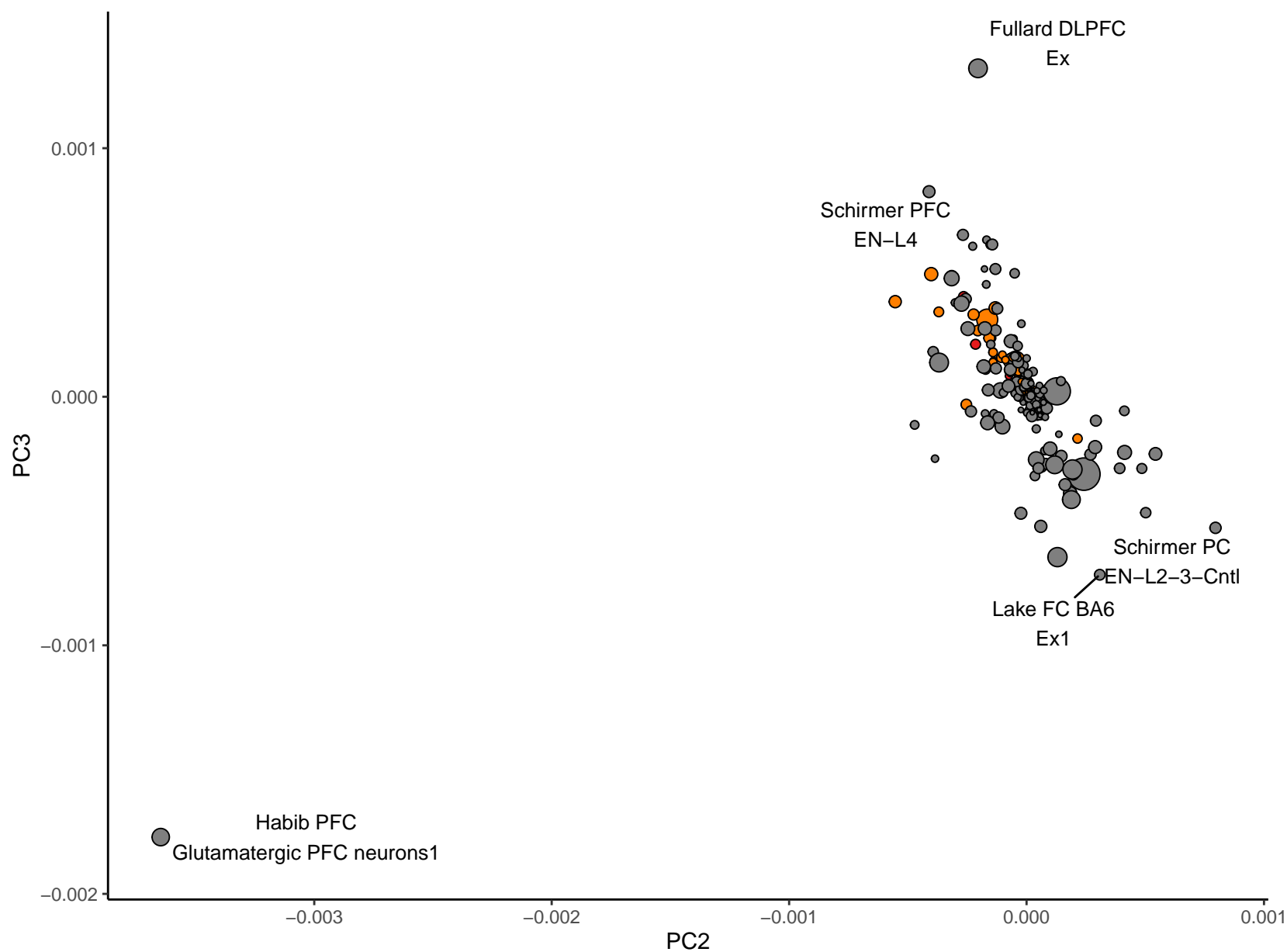**Excitatory Neuron Proportional Fidelity**

257 cell types found in 29 datasets from 17 studies
8,723 genes

Fullard DLPFC
Ex

Schirmer PFC
EN−L4

Schirmer PC
EN−L2−3−Cntl

Lake FC BA6
Ex1

Habib PFC
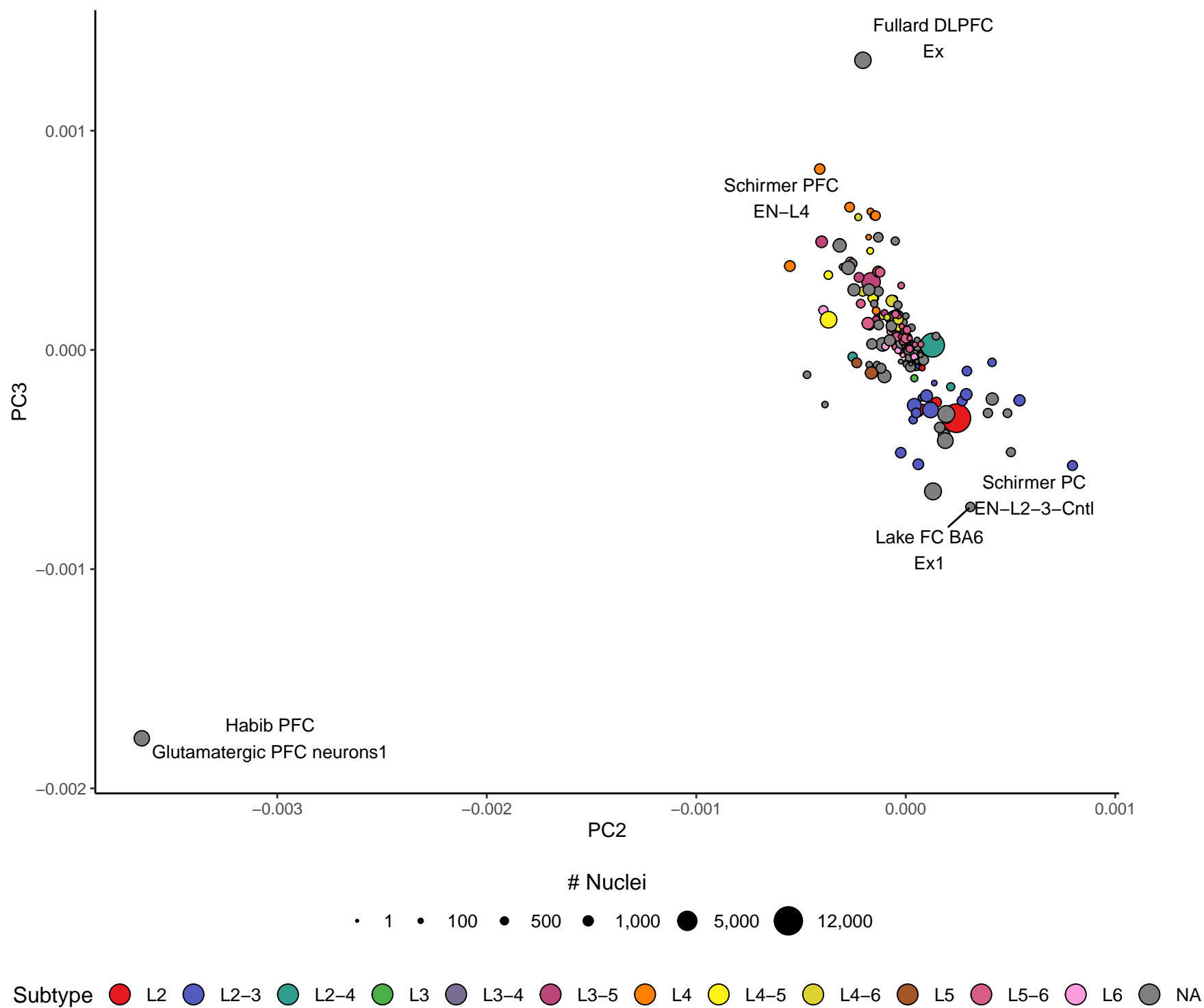Glutamatergic PFC neurons1

PC3

PC2

Nuclei

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

Subtype   FEZF2   RORB   NA

Excitatory Neuron Proportional Fidelity

257 cell types found in 29 datasets from 17 studies
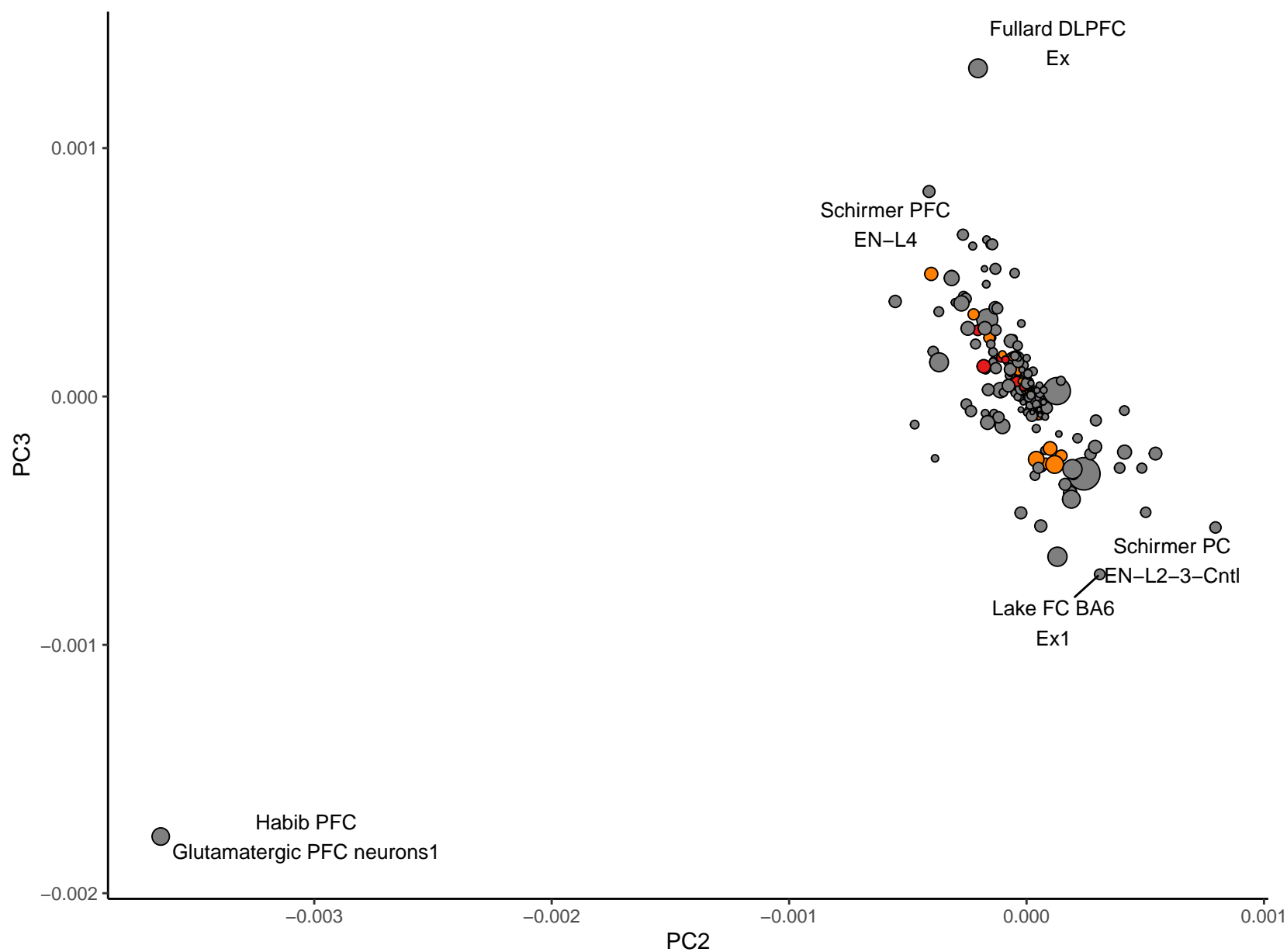8,723 genes

Excitatory Neuron Proportional Fidelity

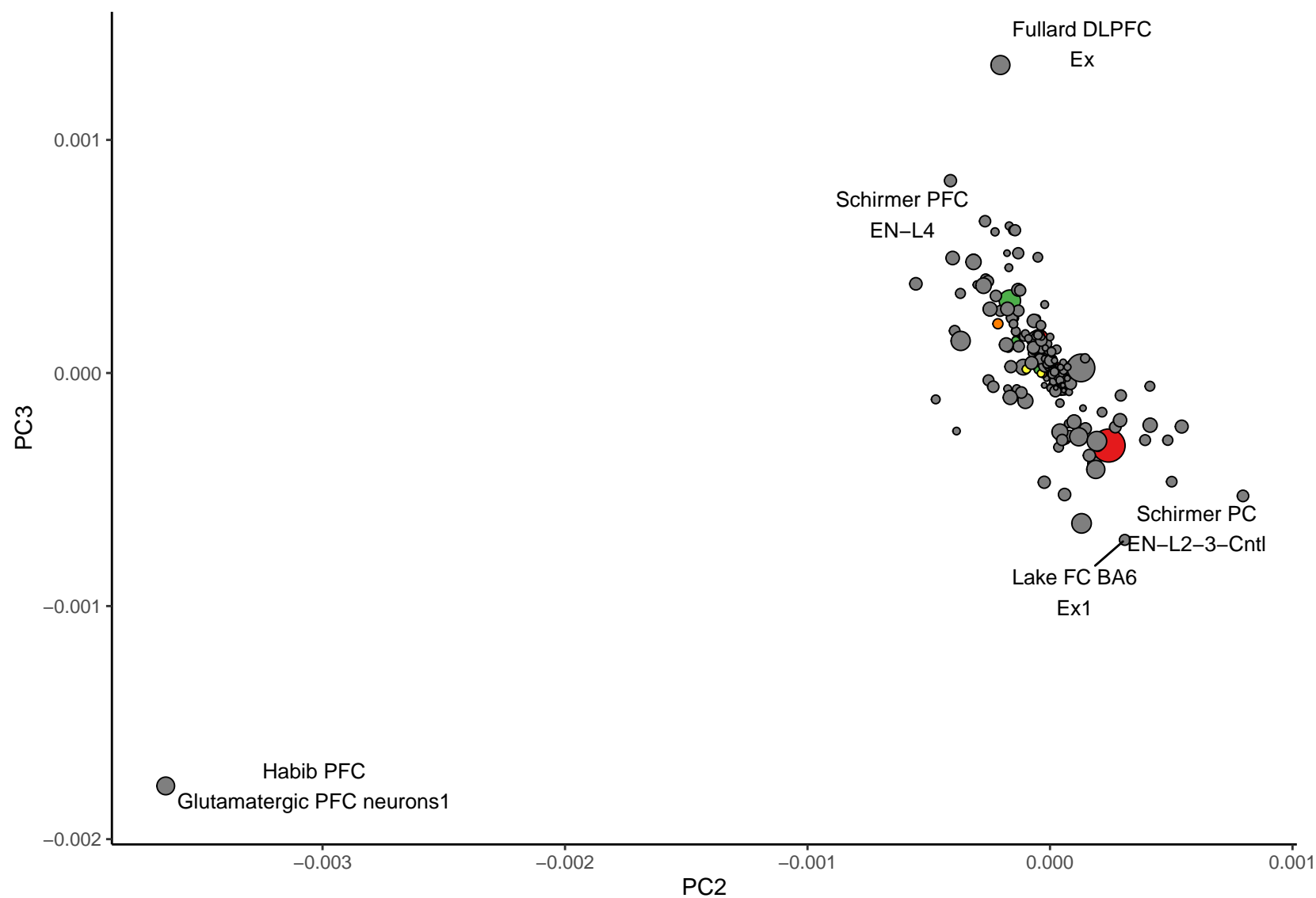257 cell types found in 29 datasets from 17 studies
8,723 genes

Fullard DLPFC
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Schirmer PFC
EN−L4

Schirmer PC
EN−L2−3−Cntl

Lake FC BA6
Ex1

Habib PFC
Glutamatergic PFC neurons1

PC3

PC2

Nuclei

0   0   100   400   12,400

Hodge 2018 Subtype   ● Exc Deep layers   ● Exc Superficial layers   ● NA

Excitatory Neuron Proportional Fidelity

257 cell types found in 29 datasets from 17 studies
8,723 genes