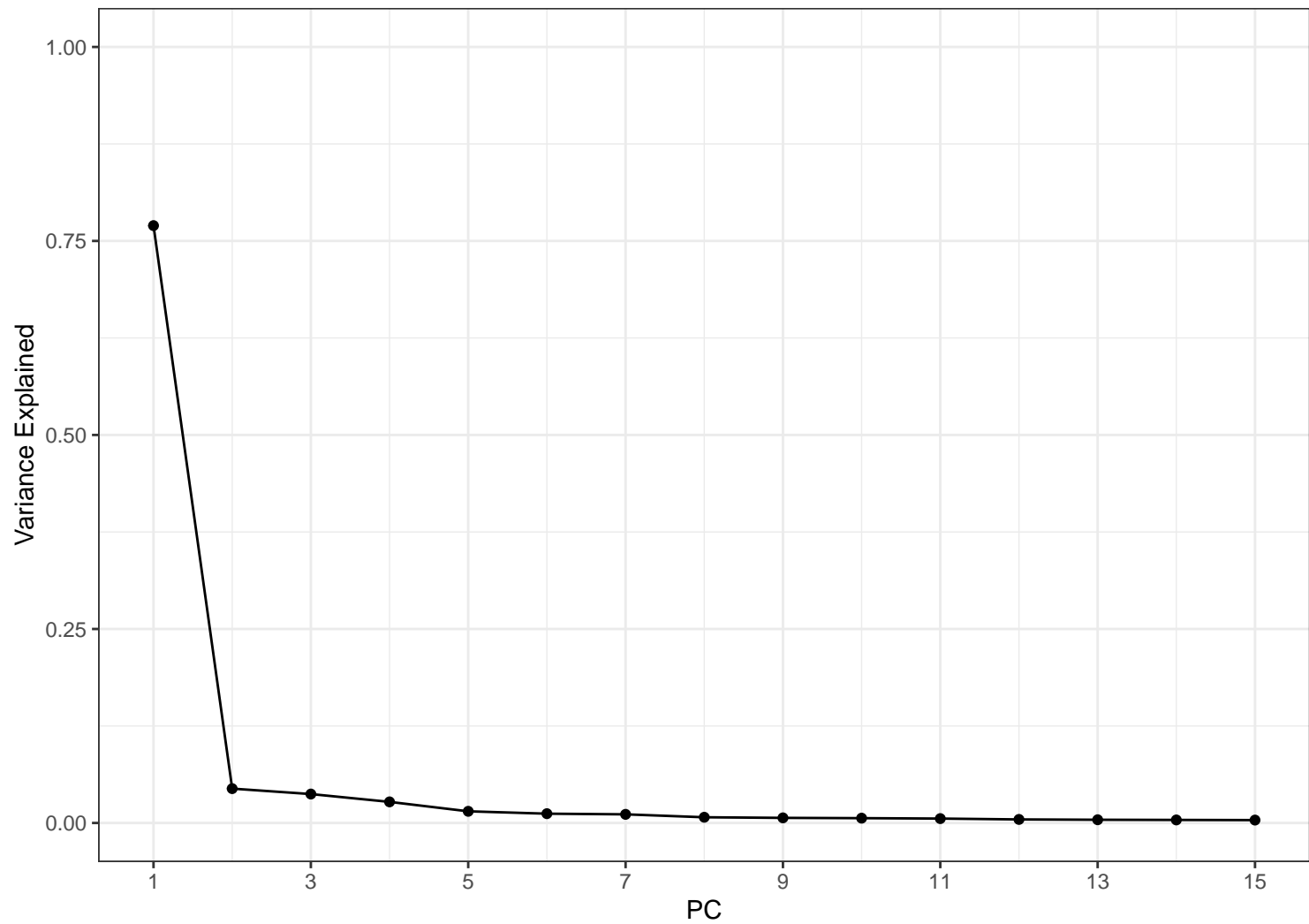
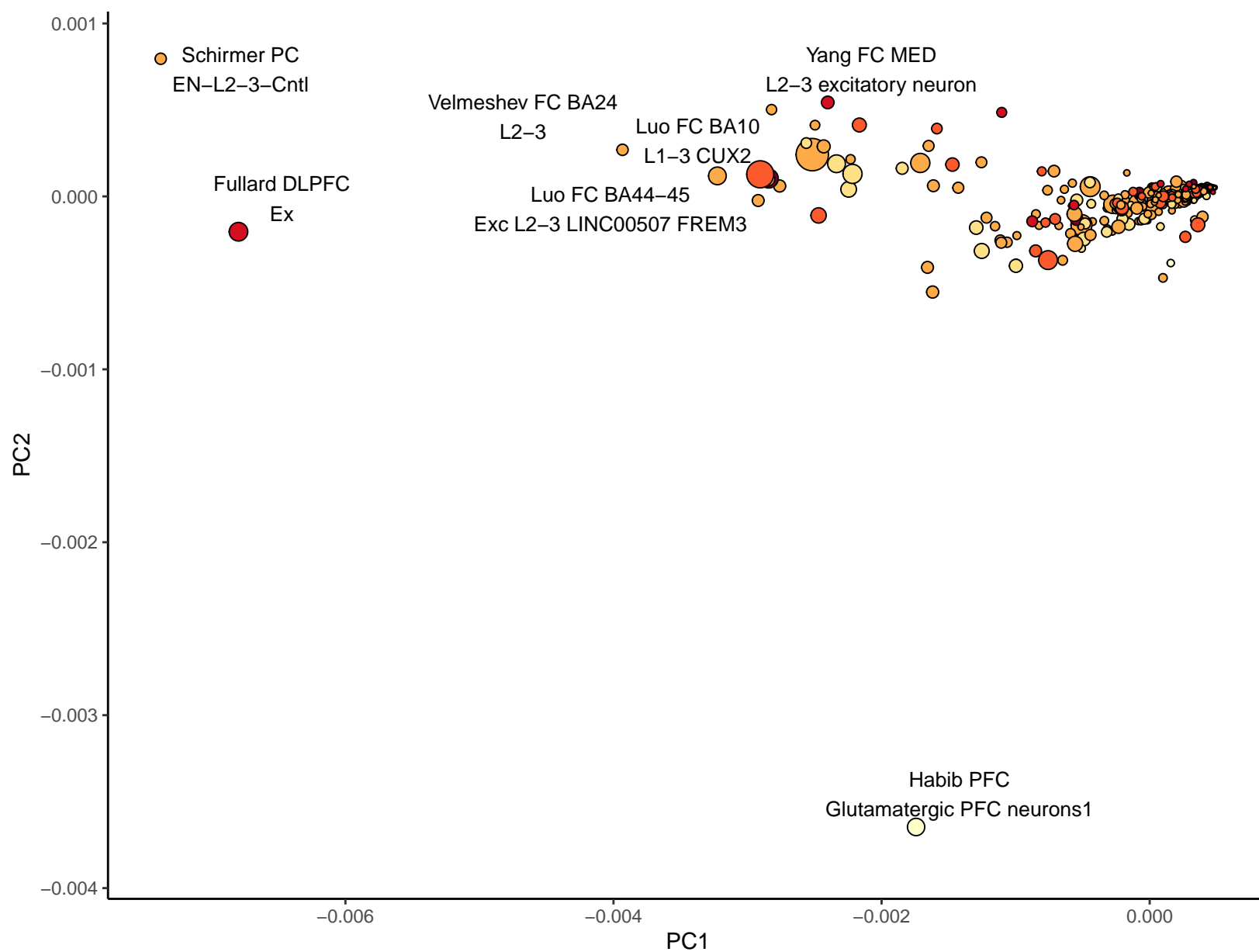


**EXC Subtypes**  
**Normalized Counts Proportional Fidelity Scree Plot**  
257 cell types, 29 datasets, 8,723 genes



# Excitatory Neuron Proportional Fidelity

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



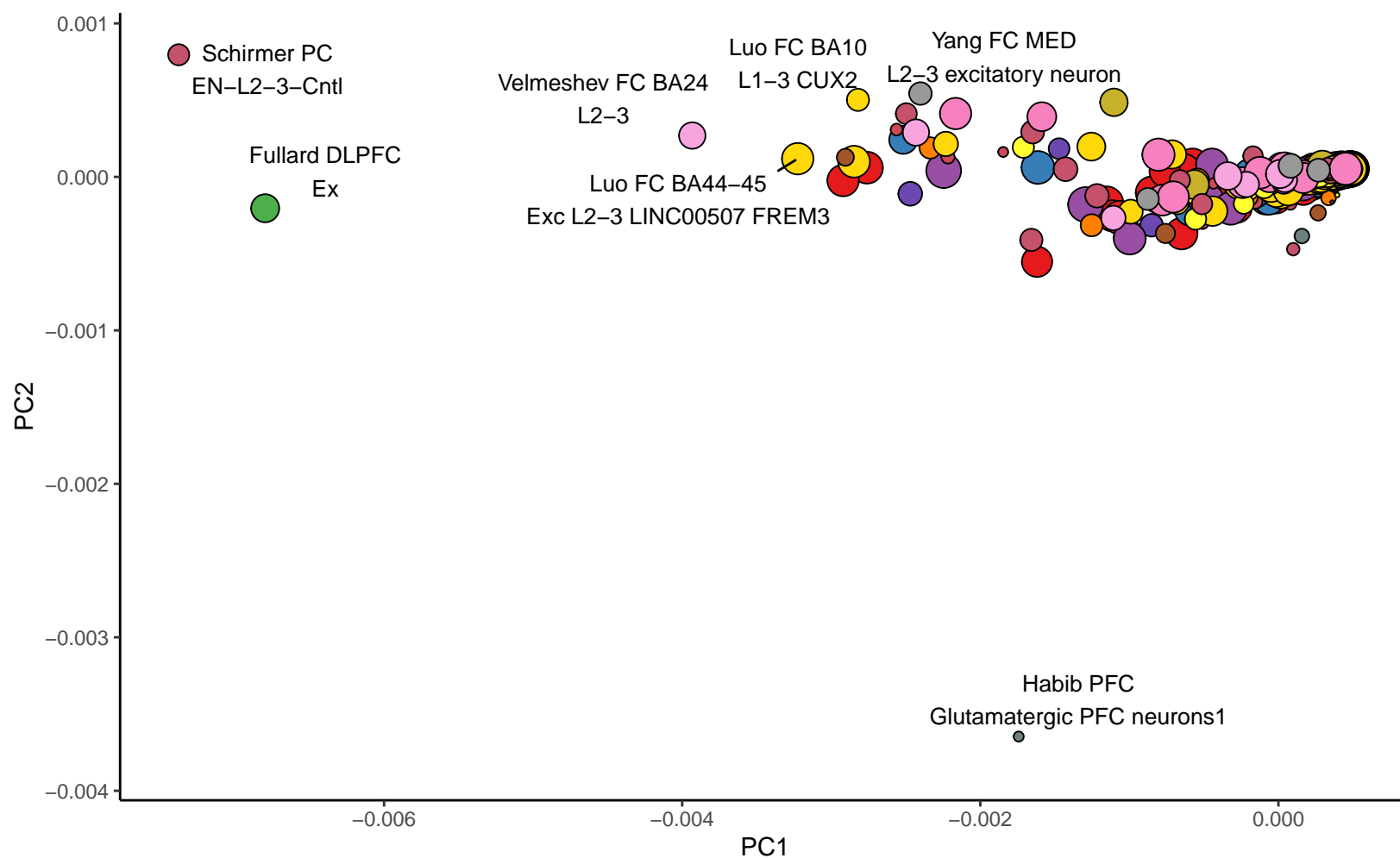
# Nuclei

• 0 • 100 • 400 • 12,400

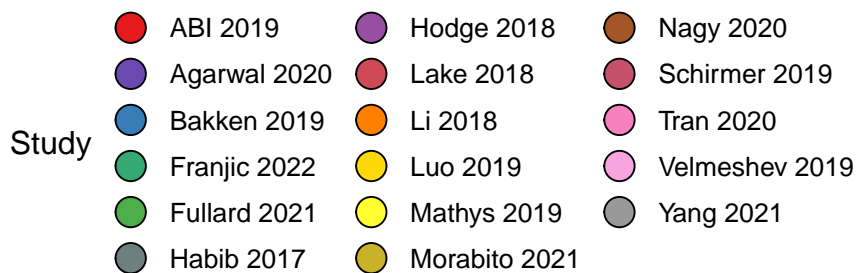
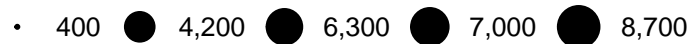
Year 2017 2018 2019 2020 2021 2022

# Excitatory Neuron Proportional Fidelity

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

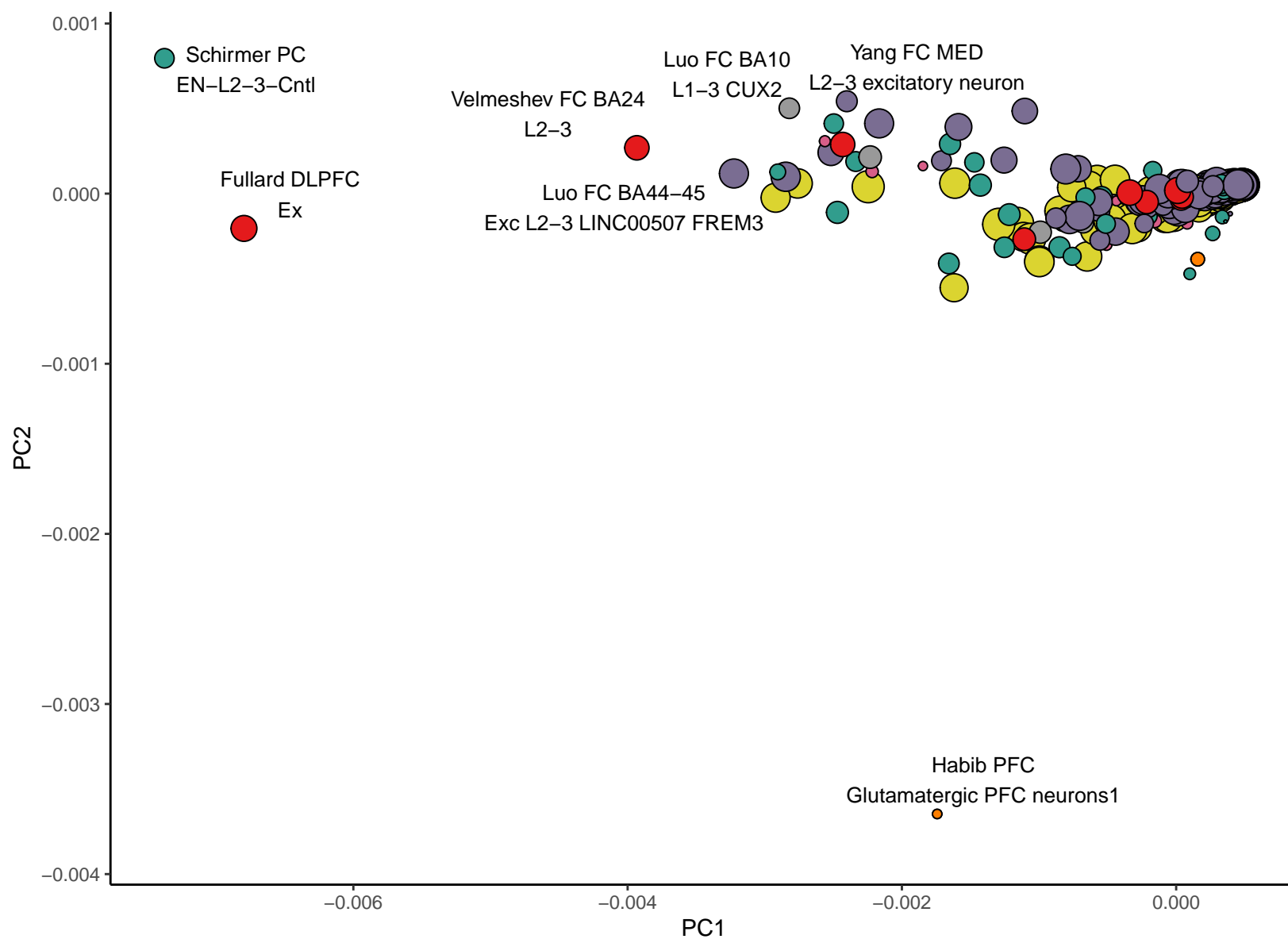


Median # Unique Genes



# Excitatory Neuron Proportional Fidelity

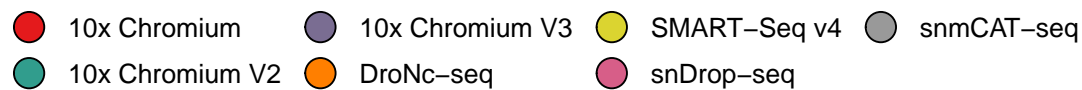
257 cell types found in 29 datasets from 17 studies  
8,723 genes



Median # Unique Genes

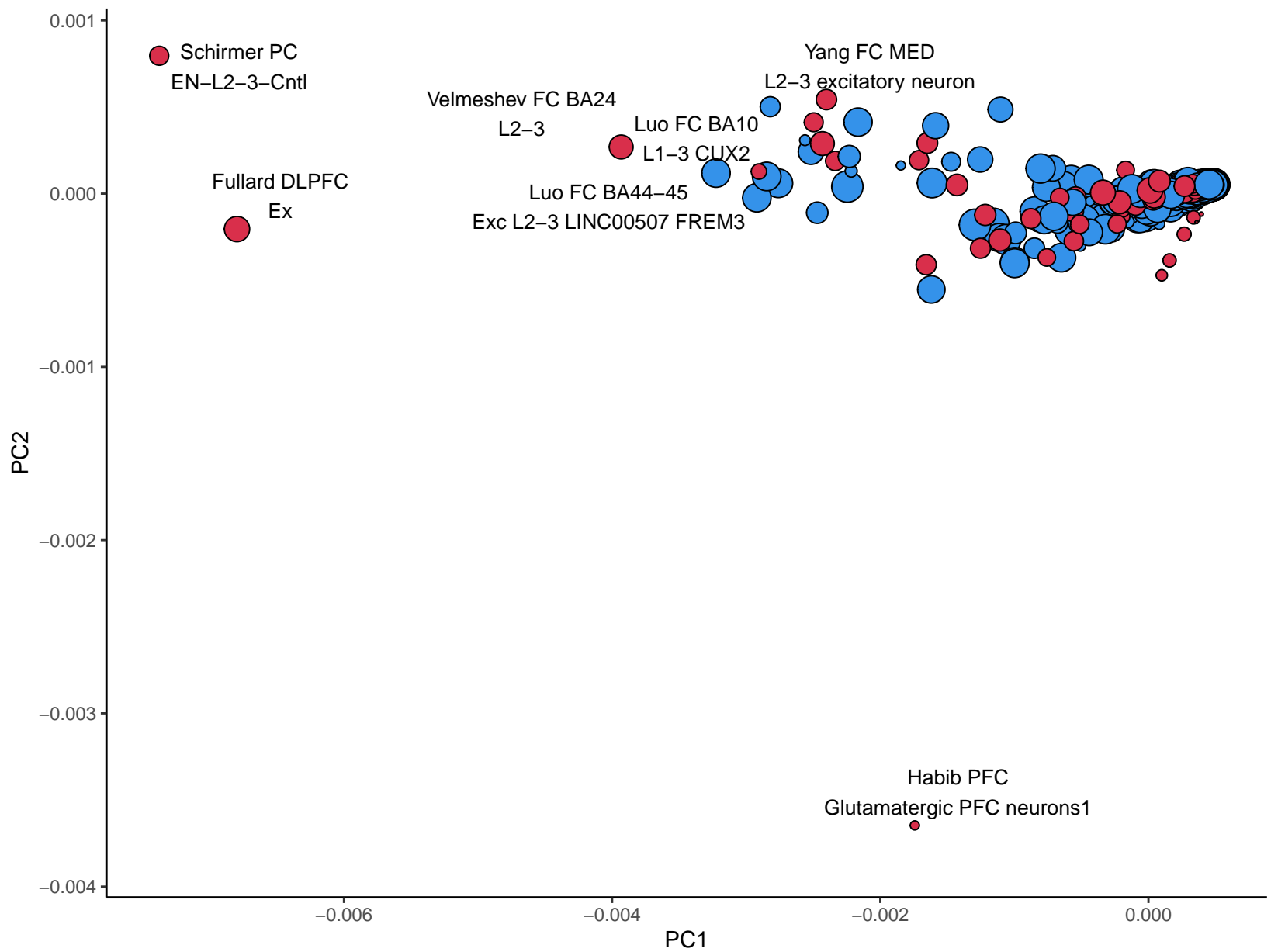


Platform



## Excitatory Neuron Proportional Fidelity

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



Median # Unique Genes

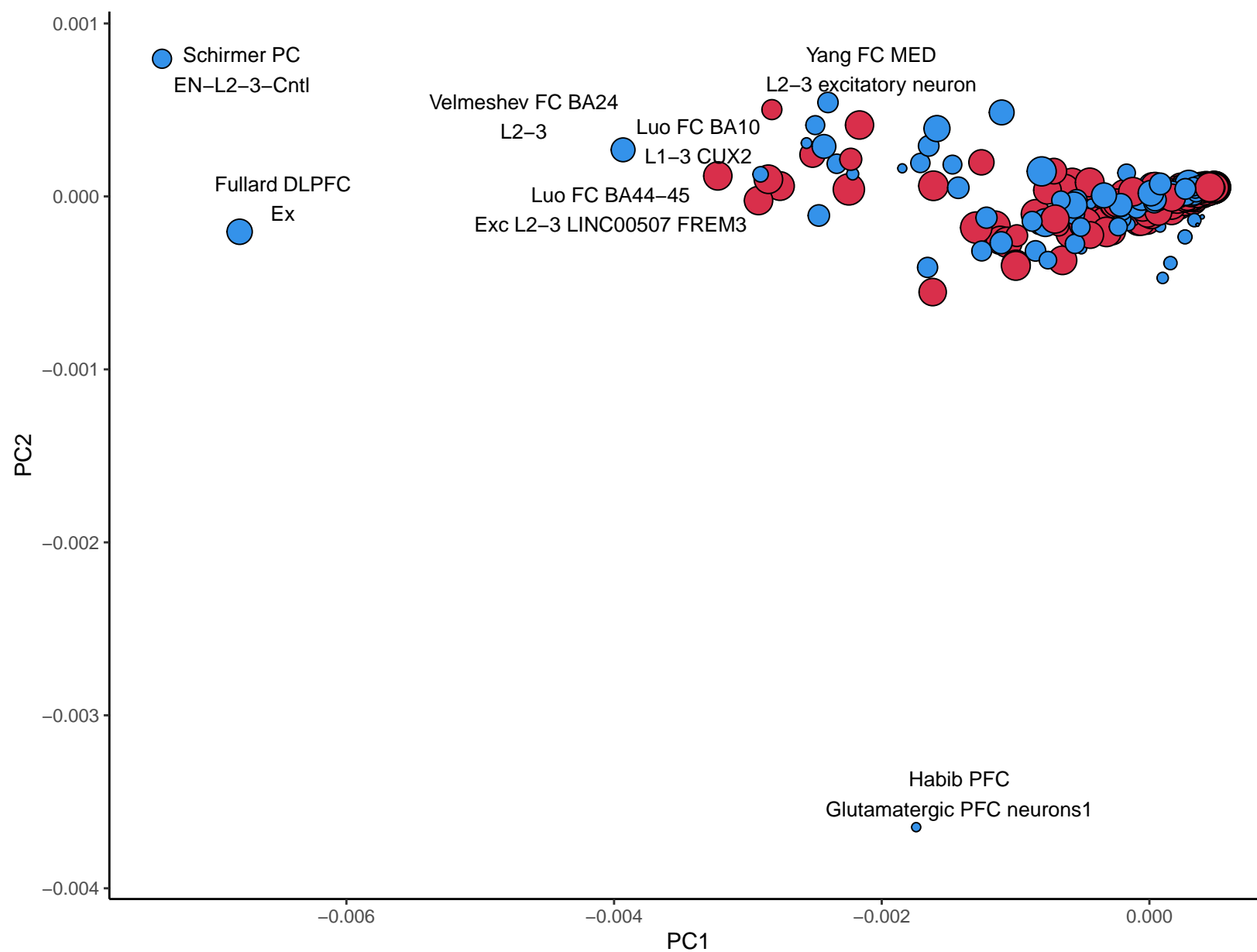
• 369 • 500 • 1,000 • 5,000 • 8,000

FACS Y N

# Excitatory Neuron Proportional Fidelity

257 cell types found in 29 datasets from 17 studies

8,723 genes



Median # Unique Genes

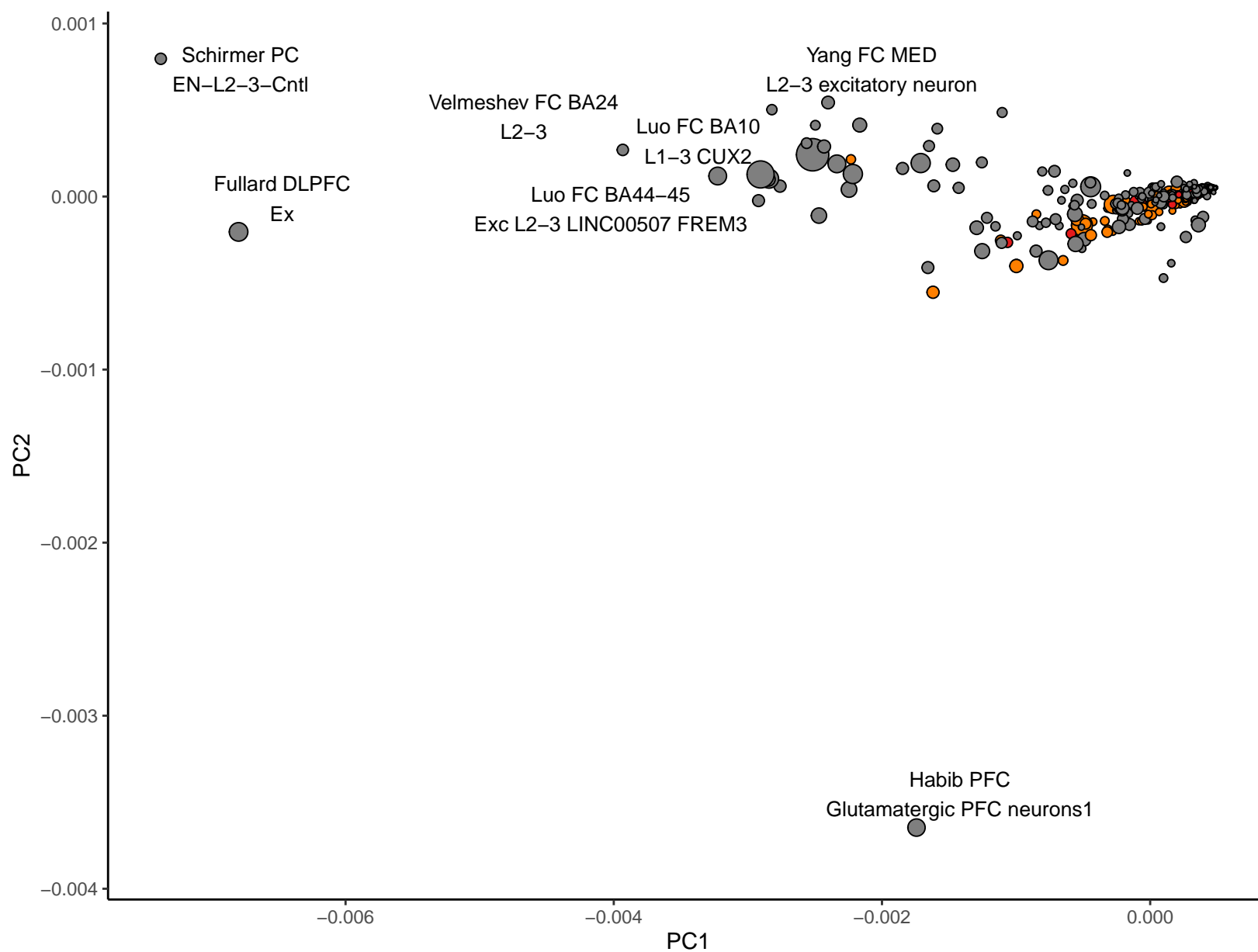
• 369 • 500 • 1,000 • 5,000 • 8,000

Unbiased Sampling Y N

## Excitatory Neuron Proportional Fidelity

257 cell types found in 29 datasets from 17 studies

8,723 genes



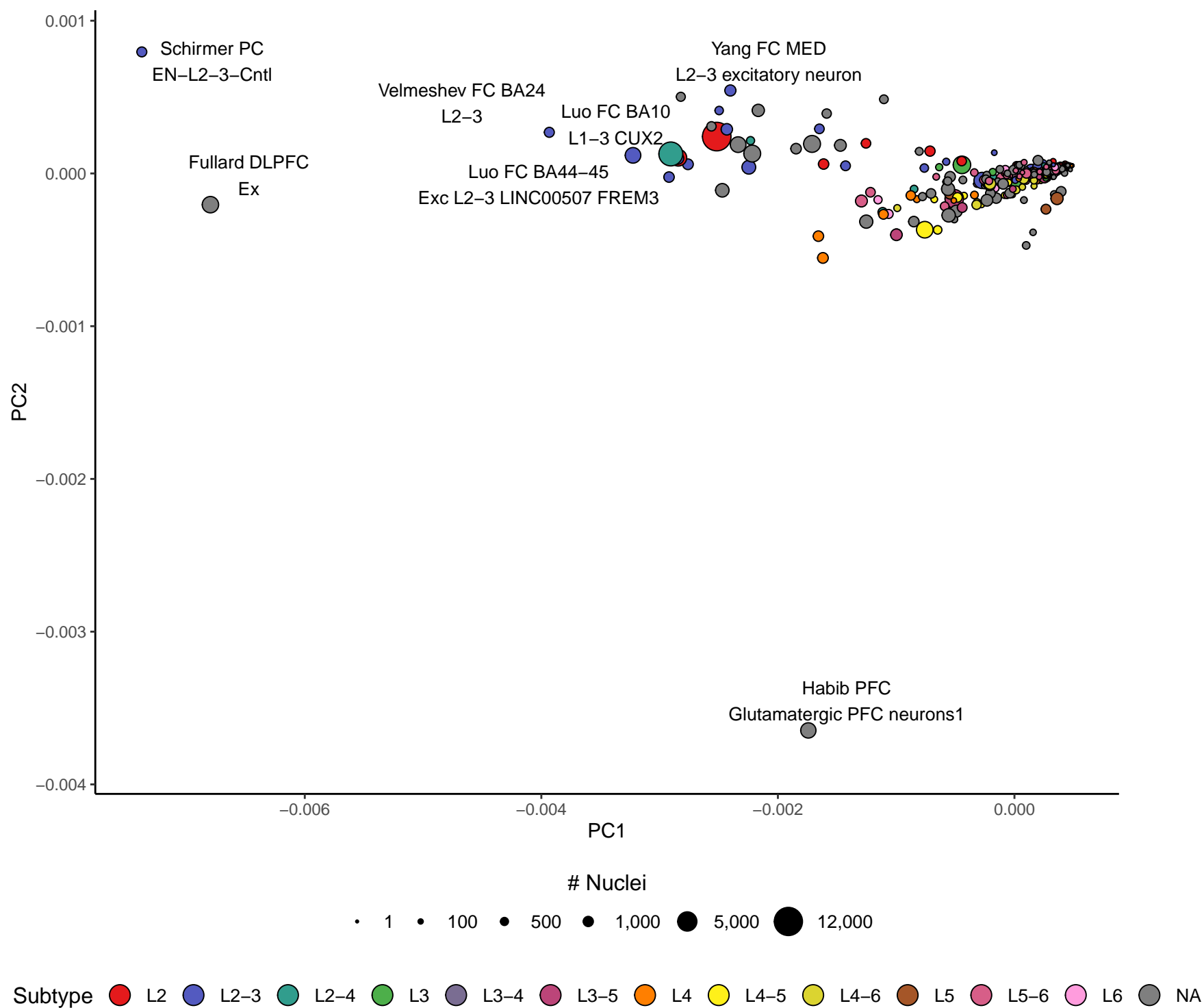
# Nuclei

• 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

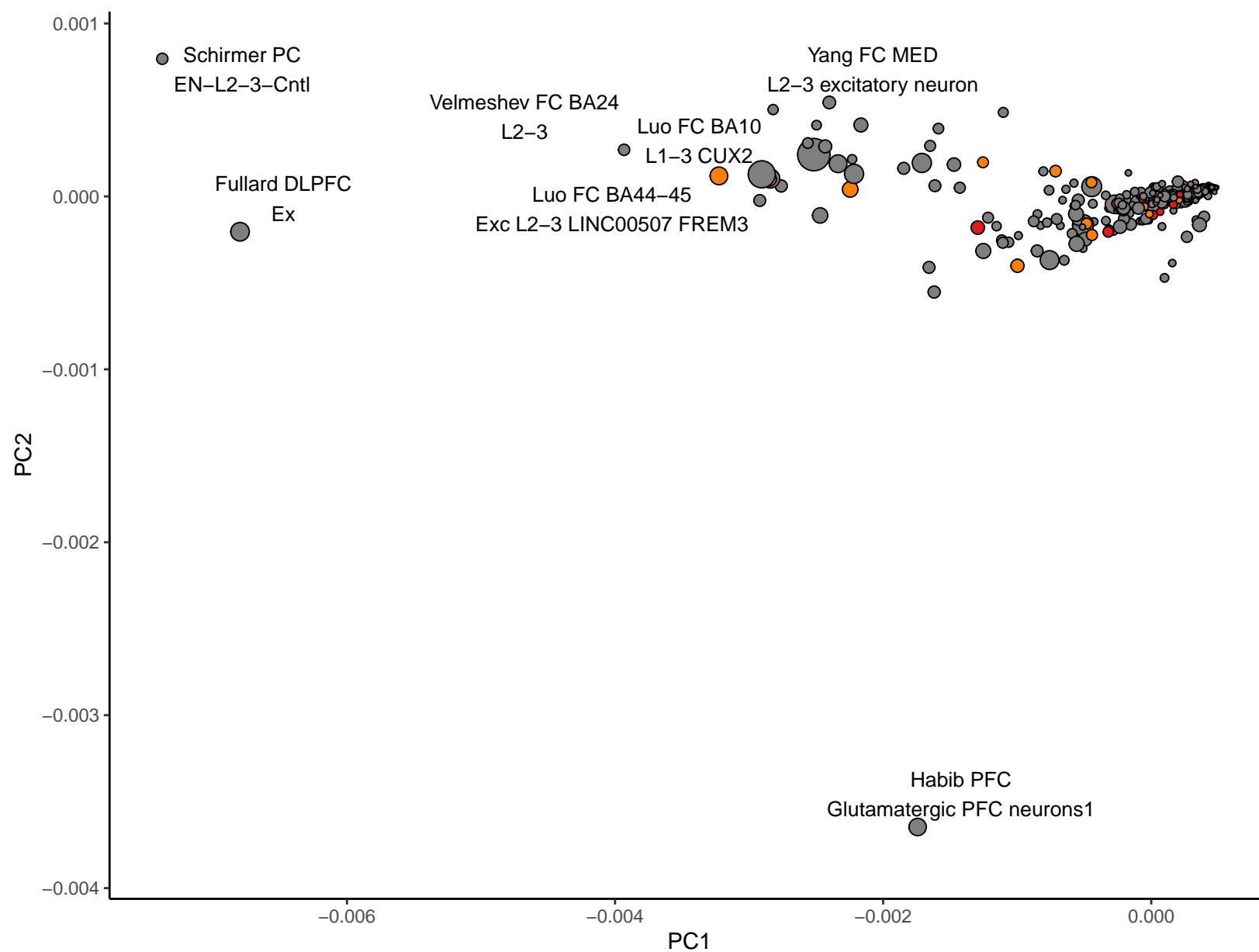




# Excitatory Neuron Proportional Fidelity

257 cell types found in 29 datasets from 17 studies

8,723 genes



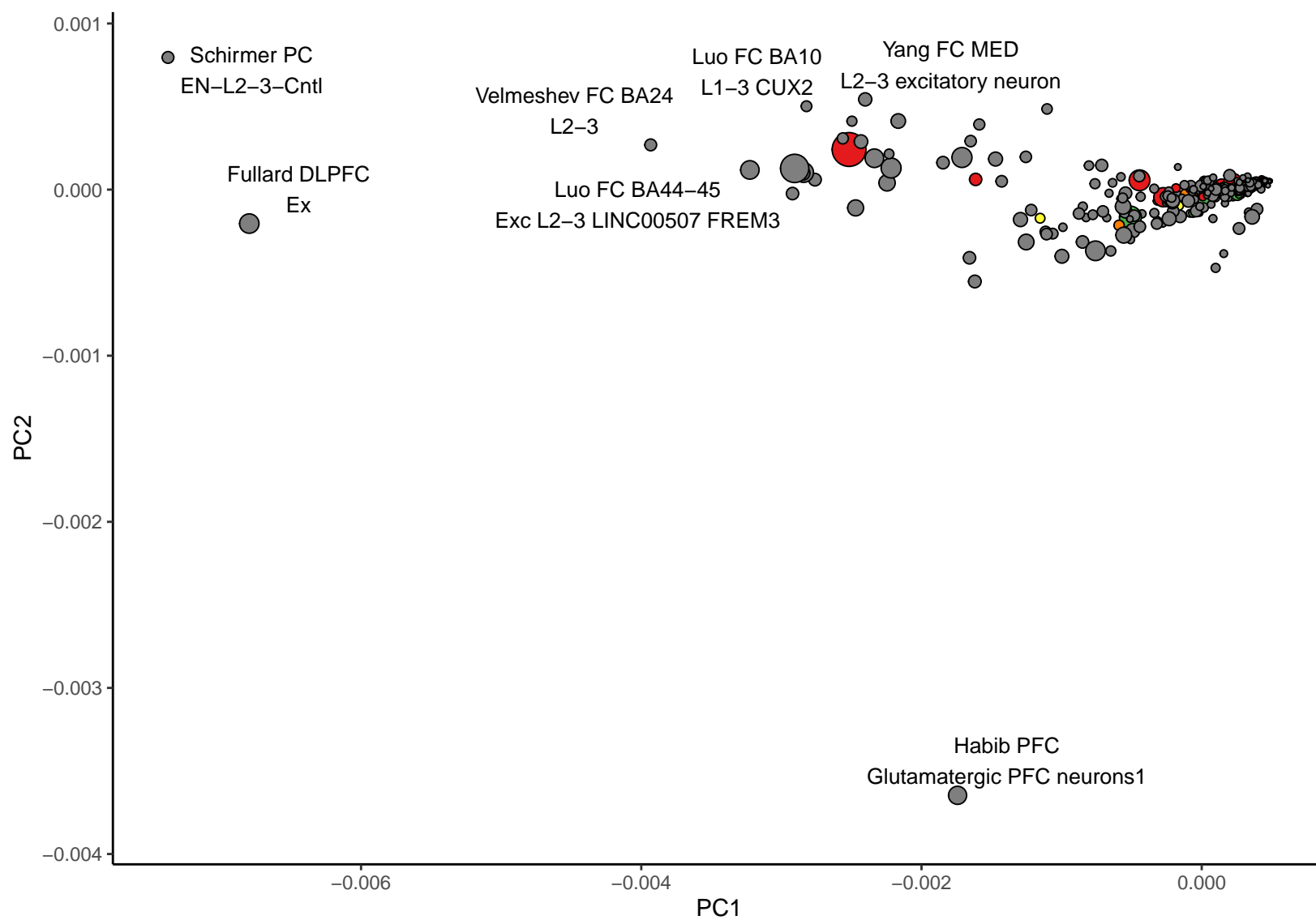
# Nuclei



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



# Nuclei

• 0 • 0 • 100 • 400 • 12,400

Bakken 2019 Subtype

● L2/3 IT	● L5/6 NP	● L6 IT Car3
● L5 ET	● L6 CT	● L6b
● L5 IT	● L6 IT	● NA