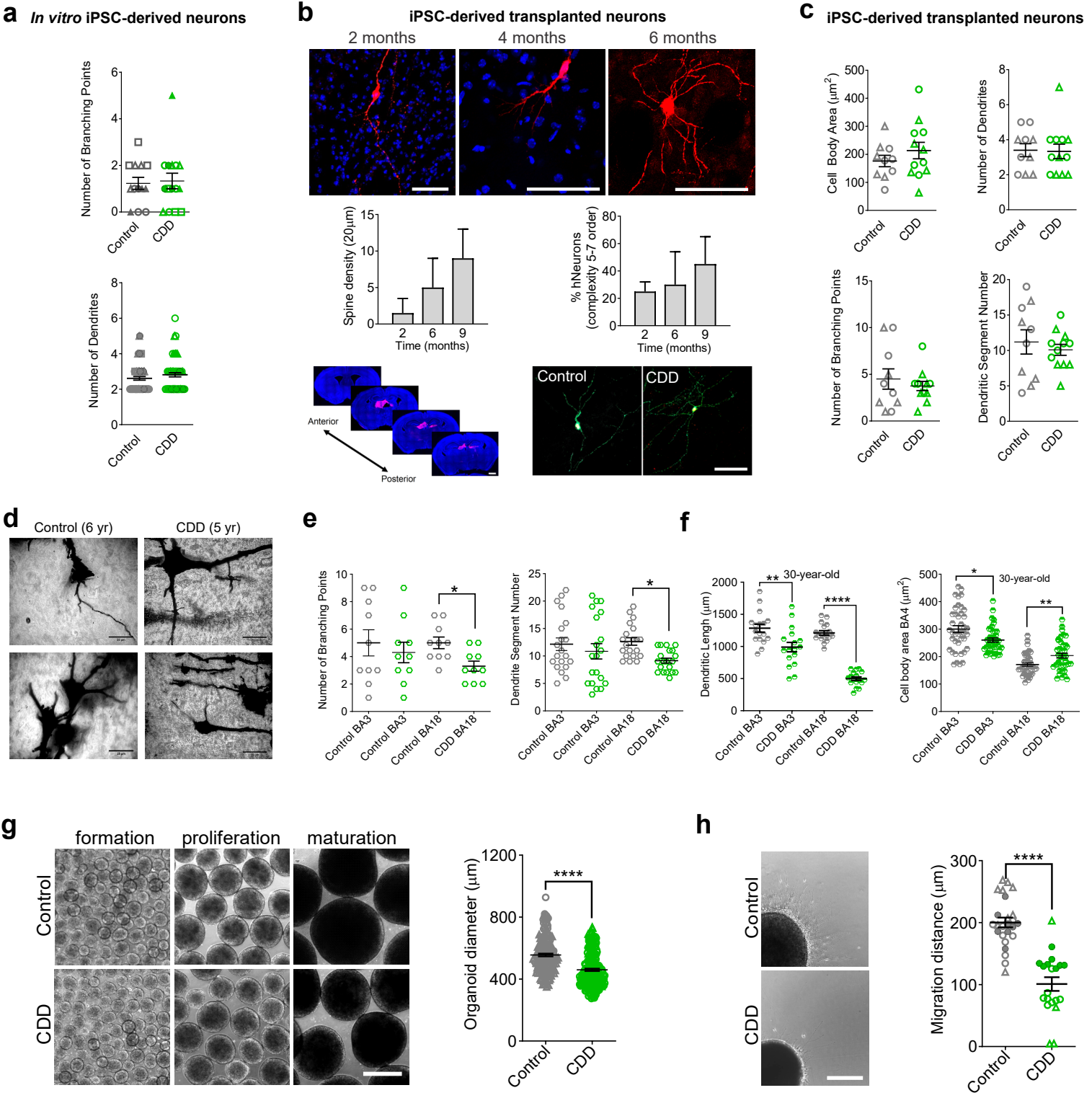
a
In vitro iPSC-derived neurons
Number of Branching Points
Number of Dendrites
Control
CDD
b
iPSC-derived transplanted neurons
2 months
4 months
6 months
Spine density (20µm)
Time (months)
% hNeurons (complexity 5-7 order)
Anterior
Posterior
Control
CDD
c
iPSC-derived transplanted neurons
Cell Body Area (µm²)
Number of Dendrites
Number of Branching Points
Dendritic Segment Number
d
Control (6 yr)
CDD (5 yr)
e
Number of Branching Points
Dendrite Segment Number
Control BA3
CDD BA3
Control BA18
CDD BA18
f
Dendritic Lengh (µm)
Cell body area BA4 (µm²)
30-year-old
g
formation
proliferation
maturation
Organoid diameter (µm)
h
Migration distance (µm)