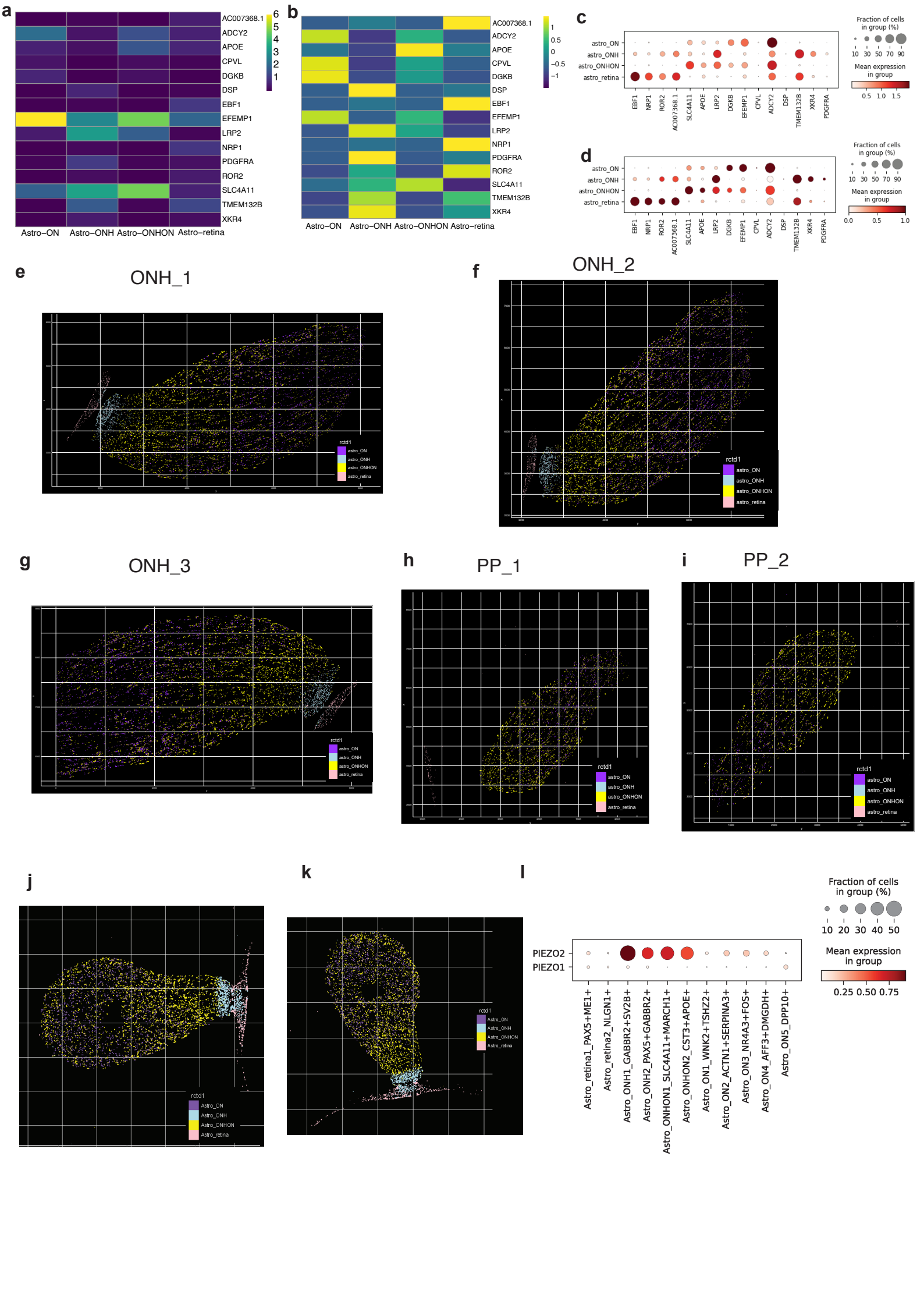
a
AC007368.1
ADCY2
APOE
CPVL
DGKB
DSP
EBF1
EFEMP1
LRP2
NRP1
PDGFRA
ROR2
SLC4A11
TMEM132B
XKR4
Astro–ON
Astro–ONH
Astro–ONHON
Astro–retina
b
c
astro_ON
astro_ONH
astro_ONHON
astro_retina
Fraction of cells in group (%)
Mean expression in group
d
e
ONH_1
f
ONH_2
g
ONH_3
h
PP_1
i
PP_2
rctd1
j
k
l
PIEZO2
PIEZO1
Astro_retina1_PAX5+ME1+
Astro_retina2_NLGN1+
Astro_ONH1_GABBR2+SV2B+
Astro_ONH2_PAX5+GABBR2+
Astro_ONHON1_SLC4A11+MARCH1+
Astro_ONHON2_CST3+APOE+
Astro_ON1_WNK2+TSHZ2+
Astro_ON2_ACTN1+SERPINA3+
Astro_ON3_NR4A3+FOS+
Astro_ON4_AFF3+DMGDH+
Astro_ON5_DPP10+

Extended Data Figure 6. Annotation of astrocyte populations in Xenium data
a, Heatmap showing expression of marker genes in Xenium data. **b**, Heatmap showing marker gene expression in Xenium data, scaled within each gene. **c**, Dot plot showing marker gene expression in snRNA-seq data. **d**, Heatmap showing marker gene expression in snRNA data, scaled within each gene. **e,** Dim plot showing the spatial distribution of cells in the Xenium slide "ONH_1". **f,** Dim plot showing the spatial distribution of cells in the Xenium slide "ONH_2". **g,** Dim plot showing the spatial distribution of cells in the Xenium slide "ONH_3". **h,** Dim plot showing the spatial distribution of cells in the Xenium slide "PP_1". **i,** Dim plot showing the spatial distribution of cells in the Xenium slide "PP_2". **j,** Dim plot showing the spatial distribution of cells in the Xenium slide "ONH01". **k,** Dim plot showing the spatial distribution of cells in the Xenium slide "ONH02". **l**, Dot plot showing the expression of *PIEZO1* and *PIEZO2* across astrocyte populations.