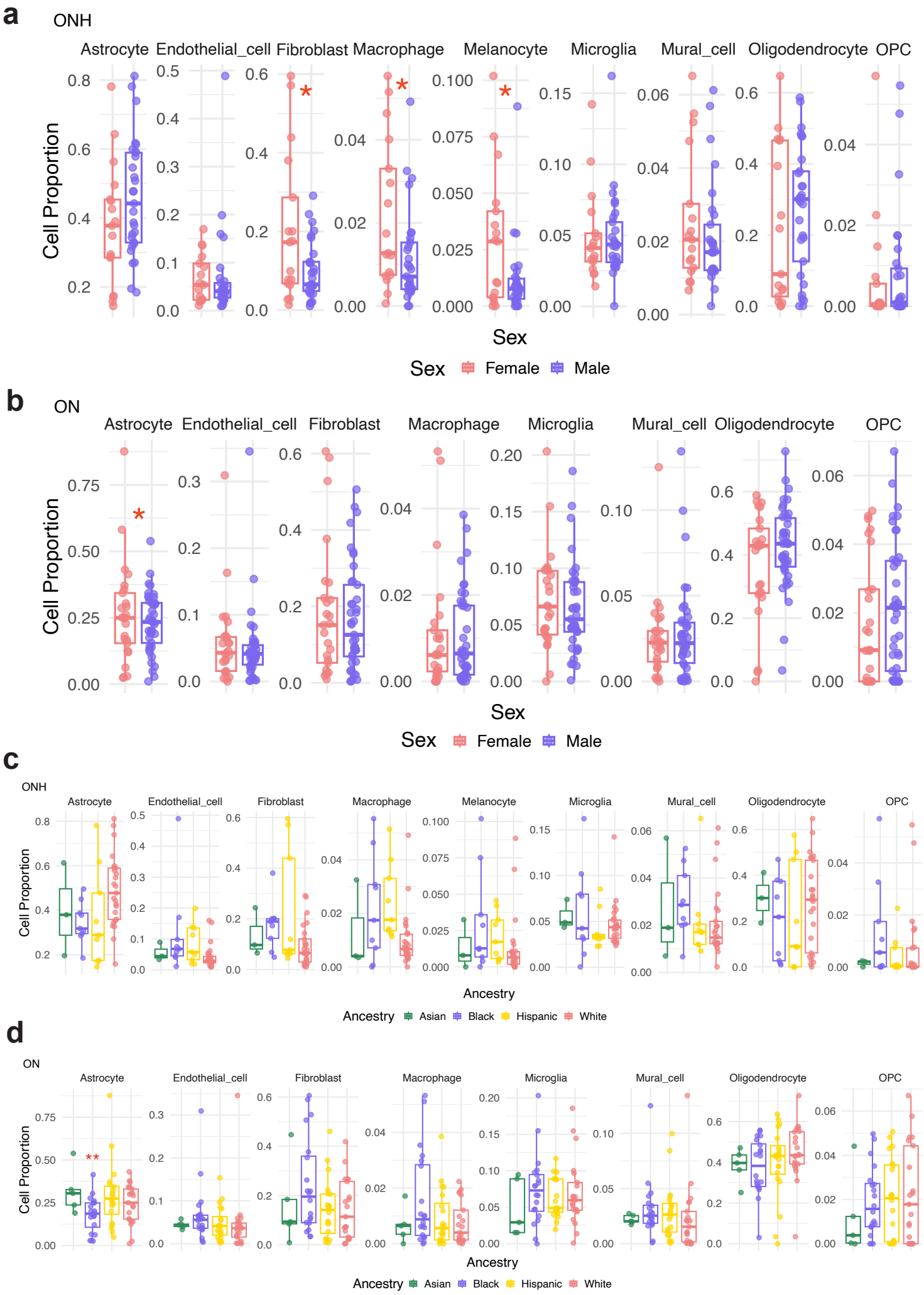
a
ONH
Astrocyte
Endothelial_cell
Fibroblast
Macrophage
Melanocyte
Microglia
Mural_cell
Oligodendrocyte
OPC
Cell Proportion
Sex
Sex
Female
Male
b
ON
Astrocyte
Endothelial_cell
Fibroblast
Macrophage
Microglia
Mural_cell
Oligodendrocyte
OPC
Cell Proportion
Sex
Sex
Female
Male
c
ONH
Astrocyte
Endothelial_cell
Fibroblast
Macrophage
Melanocyte
Microglia
Mural_cell
Oligodendrocyte
OPC
Cell Proportion
Ancestry
Ancestry
Asian
Black
Hispanic
White
d
ON
Astrocyte
Endothelial_cell
Fibroblast
Macrophage
Microglia
Mural_cell
Oligodendrocyte
OPC
Cell Proportion
Ancestry
Ancestry
Asian
Black
Hispanic
White

Extended Data Figure 3. The sex- and ancestry- associated cell proportion distribution. **a,** Box plot showing cell proportion distribution between sexes in optic nerve head samples. **b,** Box plot showing cell proportion distribution between sexes in optic nerve samples. **c,** Box plot showing cell proportion distribution across ancestries in optic nerve head samples. **d,** Box plot showing cell proportion distribution across ancestries in optic nerve samples. P-values were calculated through multivariable linear regression controlling for potential confounders. *: $P < 0.05$. **: $P < 0.01$. ***: $P < 0.001$.