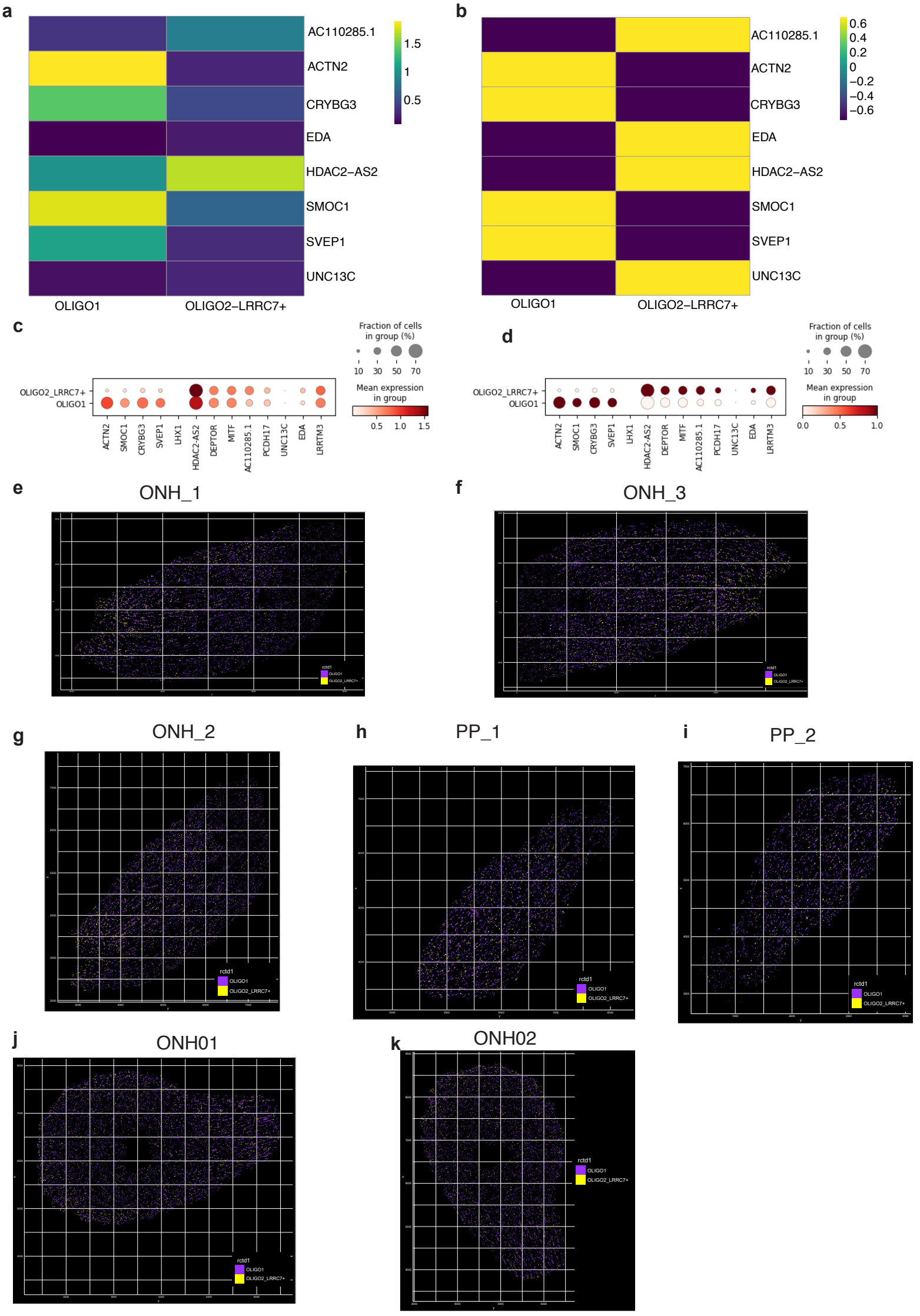
a
AC110285.1
ACTN2
CRYBG3
EDA
HDAC2−AS2
SMOC1
SVEP1
UNC13C
1.5
1
0.5
OLIGO1
OLIGO2−LRRC7+
b
AC110285.1
ACTN2
CRYBG3
EDA
HDAC2−AS2
SMOC1
SVEP1
UNC13C
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
OLIGO1
OLIGO2−LRRC7+
c
Fraction of cells in group (%)
10 30 50 70
Mean expression in group
0.5 1.0 1.5
OLIGO2_LRRC7+
OLIGO1
ACTN2 SMOC1 CRYBG3 SVEP1 LHX1 HDAC2-AS2 DEPTOR MITF AC110285.1 PCDH17 UNC13C EDA LRRTM3
d
Fraction of cells in group (%)
10 30 50 70
Mean expression in group
0.0 0.5 1.0
OLIGO2_LRRC7+
OLIGO1
ACTN2 SMOC1 CRYBG3 SVEP1 LHX1 HDAC2-AS2 DEPTOR MITF AC110285.1 PCDH17 UNC13C EDA LRRTM3
e
ONH_1
rctd1
OLIGO1
OLIGO2_LRRC7+
f
ONH_3
rctd1
OLIGO1
OLIGO2_LRRC7+
g
ONH_2
rctd1
OLIGO1
OLIGO2_LRRC7+
h
PP_1
rctd1
OLIGO1
OLIGO2_LRRC7+
i
PP_2
rctd1
OLIGO1
OLIGO2_LRRC7+
j
ONH01
rctd1
OLIGO1
OLIGO2_LRRC7+
k
ONH02
rctd1
OLIGO1
OLIGO2_LRRC7+

Extended Data Figure 5. Annotation of oligodendrocyte 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**, Dot plot 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".