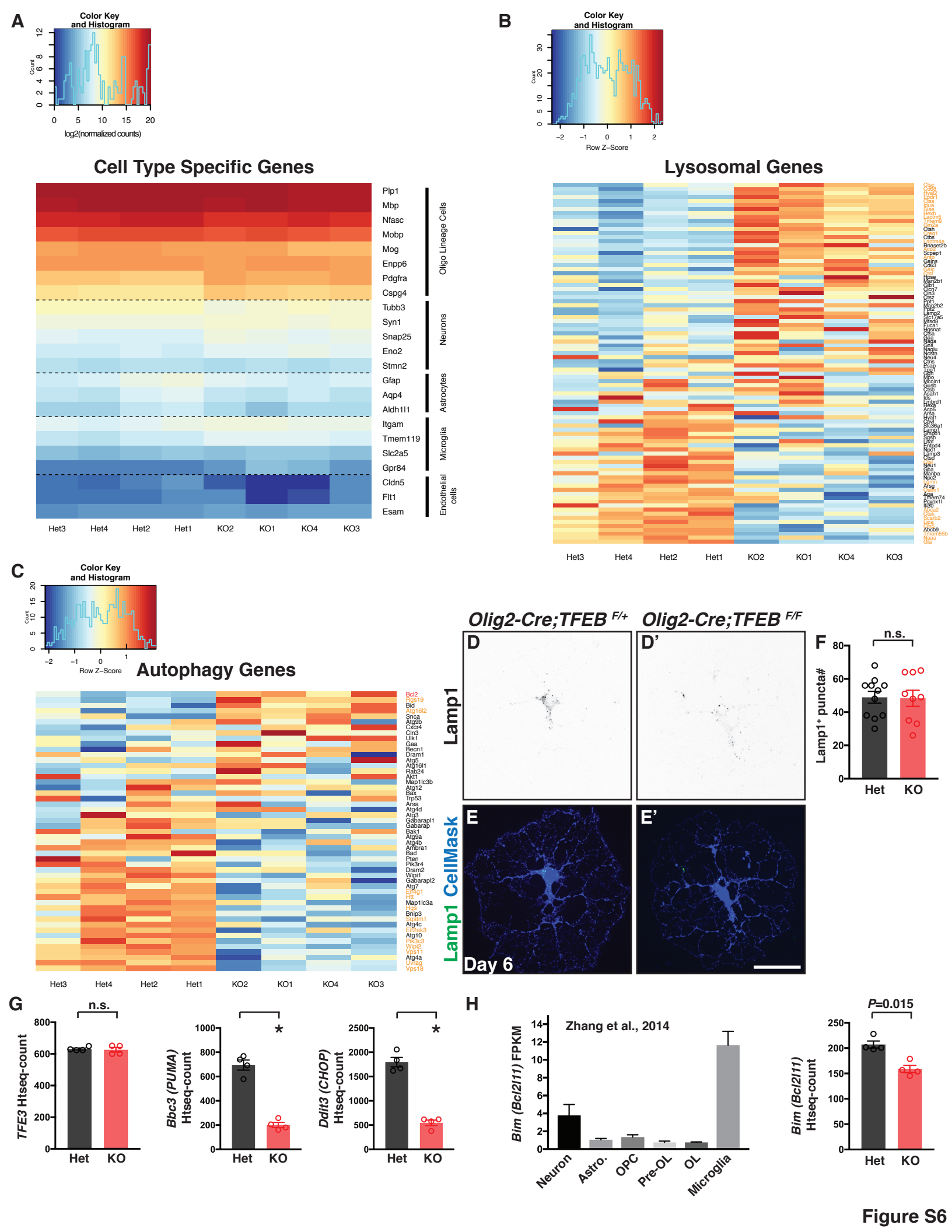
A
Color Key and Histogram
Count
log2(normalized counts)
Cell Type Specific Genes
Plp1
Mbp
Nfasc
Mobp
Mog
Enpp6
Pdgfra
Cspg4
Oligo Lineage Cells
Tubb3
Syn1
Snap25
Eno2
Stmn2
Neurons
Gfap
Aqp4
Aldh1l1
Astrocytes
Itgam
Tmem119
Slc2a5
Gpr84
Microglia
Cldn5
Flt1
Esam
Endothelial cells
Het3
Het4
Het2
Het1
KO2
KO1
KO4
KO3
B
Color Key and Histogram
Count
Row Z-Score
Lysosomal Genes
C
Color Key and Histogram
Count
Row Z-Score
Autophagy Genes
Olig2-Cre;TFEB F/+
Olig2-Cre;TFEB F/F
D
D'
Lamp1
E
E'
Lamp1 CellMask
Day 6
F
n.s.
Lamp1+ puncta#
Het
KO
G
n.s.
TFE3 Htseq-count
Bbc3 (PUMA) Htseq-count
Ddit3 (CHOP) Htseq-count
*
H
Zhang et al., 2014
Bim (Bcl2l11) FPKM
Neuron
Astro.
OPC
Pre-OL
OL
Microglia
P=0.015
Bim (Bcl2l11) Htseq-count

Figure S6