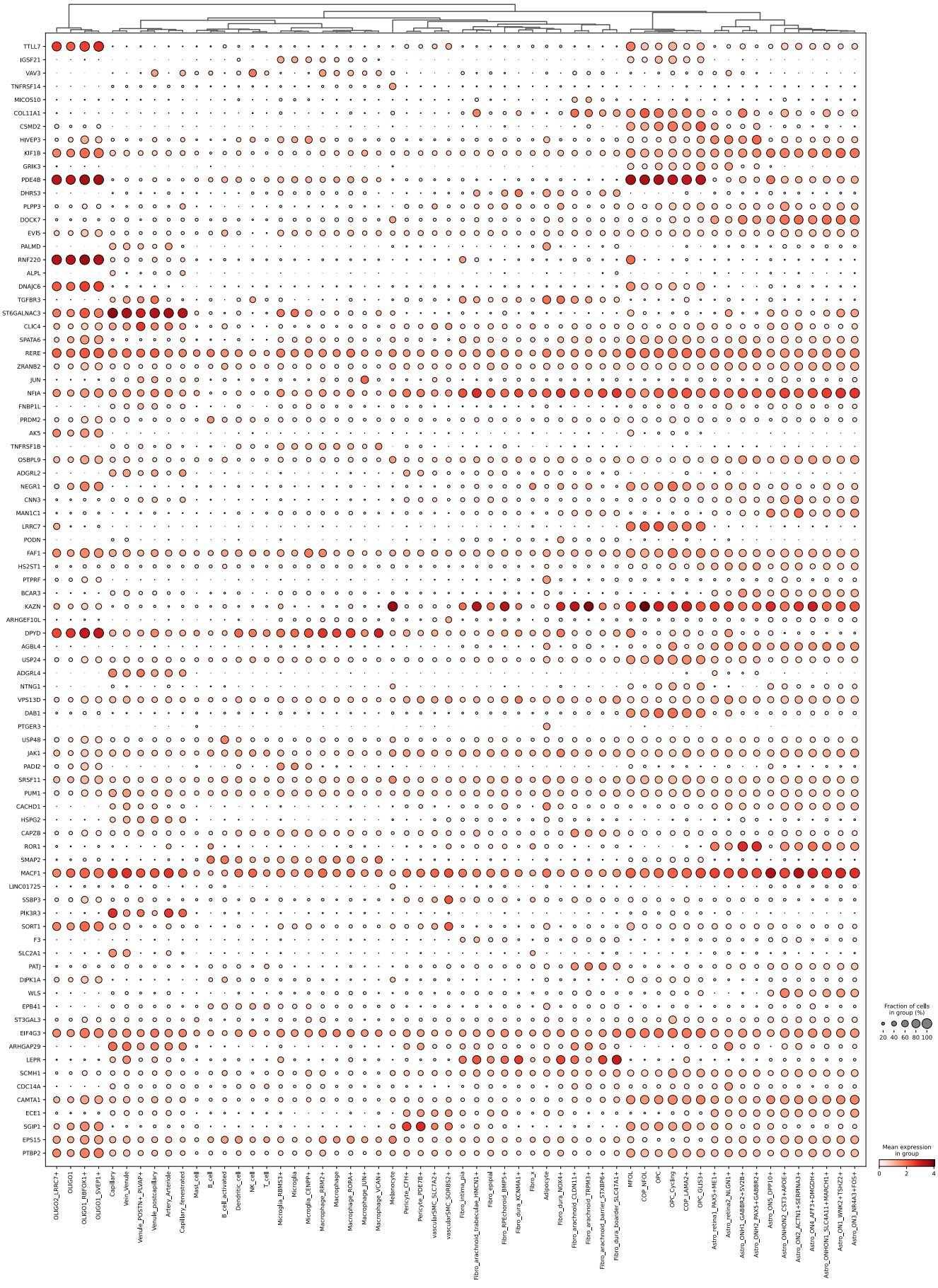
TTLL7
IGSF21
VAV3
TNFRSF14
MICOS10
COL11A1
CSMD2
HIVEP3
KIF1B
GRIK3
PDE4B
DHRS3
PLPP3
DOCK7
EVI5
PALMD
RNF220
ALPL
DNAJC6
TGFBR3
ST6GALNAC3
CLIC4
SPATA6
RERE
ZRANB2
JUN
NFIA
FNBP1L
PRDM2
AK5
TNFRSF1B
OSBPL9
ADGRL2
NEGR1
CNN3
MAN1C1
LRRC7
PODN
FAF1
HS2ST1
PTPRF
BCAR3
KAZN
ARHGEF10L
DPYD
AGBL4
USP24
ADGRL4
NTNG1
VPS13D
DAB1
PTGER3
USP48
JAK1
PADI2
SRSF11
PUM1
CACHD1
HSPG2
CAPZB
ROR1
SMAP2
MACF1
LINC01725
SSBP3
PIK3R3
SORT1
F3
SLC2A1
PATJ
DIPK1A
WLS
EPB41
ST3GAL3
EIF4G3
ARHGAP29
LEPR
SCMH1
CDC14A
CAMTA1
ECE1
SGIP1
EPS15
PTBP2
OLIG02_LRRC7+
OLIG01
OLIG01_RBFOX1+
OLIG01_SVEP1+
Capillary
Vein_Venule
Venule_POSTN+_PLVAP+
Venule_postcapillary
Artery_Arteriole
Capillary_fenestrated
Mast_cell
B_cell
B_cell_activated
Dendritic_cell
NK_cell
T_cell
Microglia_RBMS3+
Microglia
Microglia_CENPF+
Macrophage_RRM2+
Macrophage
Macrophage_NORA+
Macrophage_JUN+
Macrophage_VCAN+
Melanocyte
Pericyte_CFH+
Pericyte_PDE7B+
vascularSMC_SLC7A2+
vascularSMC_SORBS2+
Fibro_intima_pia
Fibro_arachnoid_trabeculae_HMCN1+
Fibro_epipial
Fibro_RPEchoroid_BMP5+
Fibro_dura_KCNMA1+
Fibro_x
Adipocyte
Fibro_dura_NOX4+
Fibro_arachnoid_CLDN11+
Fibro_arachnoid_TRPM3+
Fibro_arachnoid_barrier_ST3GP6+
Fibro_dura_boarder_SLC47A1+
MFOL
COP_MFOL
OPC
OPC_Cycling
COP_LAMA2+
OPC_GLIS3+
Astro_retina1_PAX5+MEI+
Astro_retina2_NLGN1+
Astro_ONH1_GABBR2+SV2B+
Astro_ONH2_PAX5+GABBR2+
Astro_ON5_DPP10+
Astro_ONHON2_CST3+APOE+
Astro_ON2_ACTN1+SERPINA3+
Astro_ON4_AFF3+DMGDH+
Astro_ONHON1_SLC4A11+MARCH1+
Astro_ON1_WNK2+TSHZ2+
Astro_ON3_NR4A3+FOS+
Fraction of cells in group (%)
20 40 60 80 100
Mean expression in group
0 2 4

Extended Data Figure 10. Expression of reported GWAS genes
Dotplot showing expression of reported GWAS genes associated with glaucoma and IOP across optic nerve cell populations.