Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Effect estimates for genome-wide independent loci resulting from the first stage of the meta-analysis (including European data from the International Glaucoma Consortium (IGGC), UK Biobank (UKB), Canadian Longitudinal Study on Aging (CLSA), and Vertical cupto-disc ratio (VCDR)) and effect estimates of the same loci for NTG in IGGC Asians and FinnGen.

File Name: Supplementary Data 2

Description: Effect estimates for genome-wide independent loci resulting from the second stage of the meta-analysis (including first-stage results, IGGC Asians, and FinnGen), and effect estimates of the same loci for intraocular pressure (IOP), primary open-angle glaucoma (POAG), vertical cup-to-disc ratio (VCDR), high-tension glaucoma (HTG), and FinnGen normotensive glaucoma.

File Name: Supplementary Data 3

Description: Annotation of the second-stage meta-analysis genome-wide independent loci based

on mBAT-combo results.

File Name: Supplementary Data 4

Description: Drug-gene interactions based on the Drug-Gene Interaction Database (DGIdb).

File Name: Supplementary Data 5

Description: SMR analysis results from single-cell expression.

File Name: Supplementary Data 6

Description: SMR analysis results from bulk tissue.

File Name: Supplementary Data 7

Description: Figure 1 data

File Name: Supplementary Data 8

Description: Figure 2 data

File Name: Supplementary Data 9

Description: Figure 3 data