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## Appendix 1.

HEI Retina case IDs, including sample tube ID, strain, age, sex, and source of mice. To access the data, click or select the words “[Appendix 1.](#)” This will initiate the download of a

compressed (pdf) archive that contains the file. Hamilton Eye Institute Retina Database case IDs, including sample tube ID, strain, age, sex, and source of mice.

## Appendix 2.

Top 100 gene correlates of growth associated protein 43 (*Gap43*). To access the data, click or select the words

“[Appendix 2.](#)” This will initiate the download of a compressed (pdf) archive that contains the file.

## Appendix 3.

The genes shared in the top 2,000 correlates of growth associated protein 43 (*Gap43*) and phosphatase tensin homolog (*Pten*). To access the data, click or select the words

“[Appendix 3.](#)” This will initiate the download of a compressed (pdf) archive that contains the file.

## Appendix 4.

List of genes that share genetic correlations among the growth associated protein 43/ phosphatase tensin homolog (*Gap43/Pten*) network within the retina. To access the data,

click or select the words “[Appendix 4.](#)” This will initiate the download of a compressed (pdf) archive that contains the file.