

WORKFLOW

of MiRNAs

Available
Selected
Quality Control

1800 miRNAs analyzed on MIHS-3218Z

604 miRNAs present in all 3 samples of any group (glaucoma or cataract)

10	Lowest overall standard deviation across all samples
10	Lowest standard deviation within any group
15	Highest overall abundance in the eye
15	Highest abundance by any group in the eye
94	All pairwise comparisons between cataract and glaucoma (with $p < 0.10$ and $-1.25 < \text{Fold Change} < 1.25$)
96	Fold change >5 between groups
66	Stable between groups (Fold < 0.2)
46	Low single-group standard deviation (<0.25)
9	miRNAs that were absent in only 1 group
11	Other miRNAs of interest, selected to fill the available remaining spaces
12	Standard quality control and replicate wells

Figure S1. Custom miRNA PCR array development. Flowchart of inclusion criteria from a pilot data set from $n=9$ AqH samples (6 patients, 3 controls) quantified with MIHS-3218Z. Custom miRNA PCR array development.

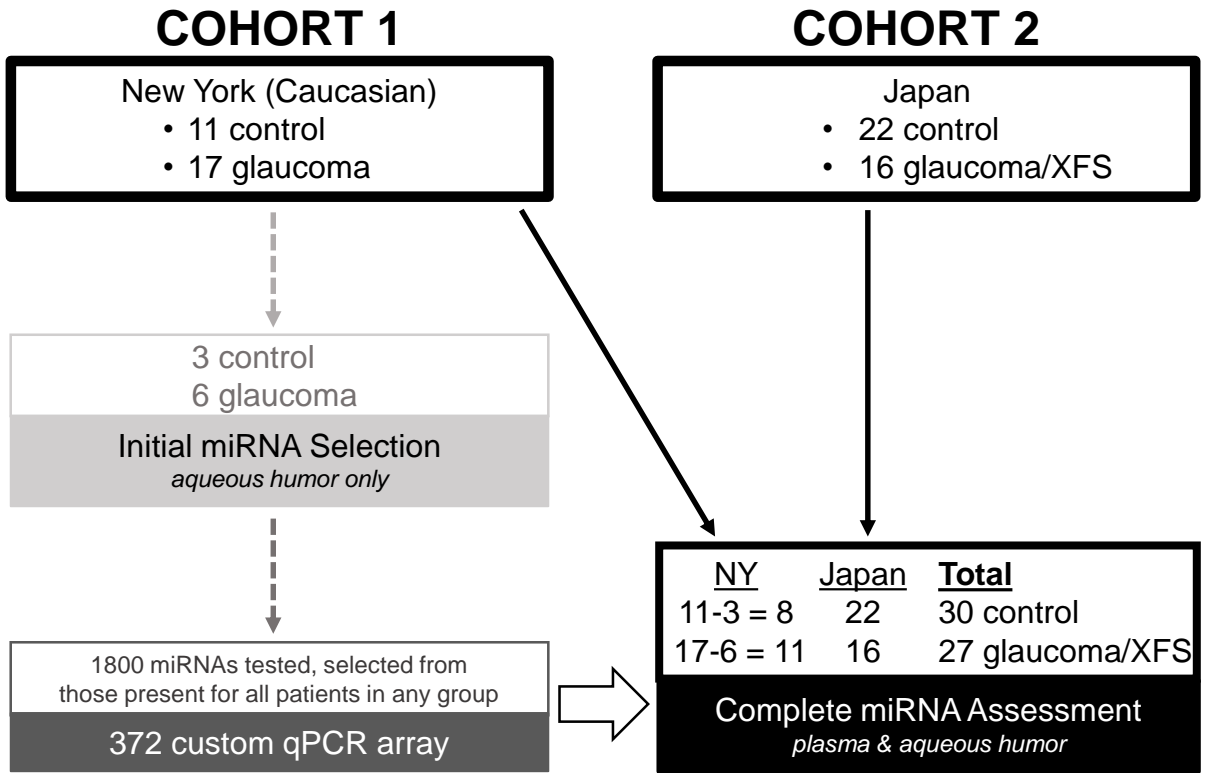


Figure S2. Flow diagram of patient inclusion in discovery and validation analyses.