Venn diagram:
- KEGG Pathways N= 209
- Mitochondriome
- MitoCarta Proteins N=1010

22 KEGG pathways with a significant mitochondrial component ($P < 2.10^{-4}$) (*Table 1*)

6 Pathway classes: amino acid metabolism, carbohydrate metabolism, energy metabolism, lipid metabolism, metabolism of cofactors and vitamins, nucleotide metabolism (*Table 1*)

Develop gene-sets for each pathway that includes only the genes coding for the MitoCarta proteins found in the pathway *(Supplemental Table A)*

Test each gene-set individually and each group of gene-sets defining the 6 pathway classes for association with POAG, NTG, HTG using PARIS and the NEIGHBOR/GLAUGEN case control dataset with genome-wide genotypes *(Tables 2 and 3)*

Test individual genes within significant pathways for association with POAG, NTG, HTG using PARIS and the NEIGHBOR/GLAUGEN case control dataset with genome-wide genotypes *(Supplemental Tables B and C)*

Supplemental Figure S1. Flow diagram showing the overall approach for the study.