Online Supplemental information to:

“Interactions Between Trabecular Meshwork Cells and Lens Epithelial Cells – A Possible Mechanism in Infantile Aphakic Glaucoma”

Inbal Michael, Michael Shmoish, David S. Walton and Shulamit Levenberg.

Results of Gene Enrichment Analysis using GOrilla

The lists of the enriched GO terms and their graphical presentation are given in the links below:

Cellular component: http://www.bm.technion.ac.il/people/faculty/shulamit/pubs/cc.htm

Molecular function: http://www.bm.technion.ac.il/people/faculty/shulamit/pubs/mf.htm

Biological process: http://www.bm.technion.ac.il/people/faculty/shulamit/pubs/bp.htm

The P-value is the enrichment p-value computed according to the mHG or HG model. This p-value is not corrected for multiple GO term testing. Enrichemnt \( (N, B, n, b) \) is defined as follows:

\( N \) - is the total number of genes
\( B \) - is the total number of genes associated with a specific GO term ('target' set and 'background set')
\( n \) - is the number of genes in the 'target set'
\( b \) - is the number of genes in the 'target set' associated with a specific GO term

\[ \text{Enrichment} = \frac{b}{n} / \frac{B}{N}. \]

The list of the associated genes that appear in the 'target set' is included. Each gene name is specified by protein RefSeq name used in GO database and a short description of the gene is given.