

**Table S4. Biological function analysis results for glaucoma hub biomarkers**

Category	ID	Name	Gene number	FDR
GO-Biological Process	GO:0051239	regulation of multicellular organismal process	7	0.01
GO-Biological Process	GO:0051240	positive regulation of multicellular organismal process	6	0.01
GO-Biological Process	GO:0032879	regulation of localization	6	0.0278
GO-Biological Process	GO:0045937	positive regulation of phosphate metabolic process	5	0.01
GO-Biological Process	GO:0010647	positive regulation of cell communication	5	0.0346
GO-Biological Process	GO:0023056	positive regulation of signaling	5	0.0346
GO-Biological Process	GO:0001934	positive regulation of protein phosphorylation	4	0.0349
GO-Biological Process	GO:0010632	regulation of epithelial cell migration	3	0.0116
GO-Biological Process	GO:1900122	positive regulation of receptor binding	2	0.01
GO-Cellular Component	GO:0005881	cytoplasmic microtubule	2	0.013
GO-Cellular Component	GO:0031410	cytoplasmic vesicle	6	0.013
GO-Cellular Component	GO:0043209	myelin sheath	2	0.0437
GO-Cellular Component	GO:0055037	recycling endosome	2	0.0437
GO-Cellular Component	GO:0099513	polymeric cytoskeletal fiber	3	0.0437
UniProt annotation	KW-0488	Methylation	4	0.0397