

**Supplementary Table 6** Pathway analysis of metabolic biomarkers in serum on OAG.

Pathway Name	Match Status	P	FDR	Impact
Glutathione metabolism	2/28	0.0030443	0.1669	0.11165
Glyoxylate and dicarboxylate metabolism	2/32	0.0039738	0.1669	0.13757
Aminoacyl-tRNA biosynthesis	2/48	0.0088499	0.2478	0
Biotin metabolism	1/10	0.031885	0.66959	0

OAG, Open Angle glaucoma