

Table S5- Clinical features of POAG patients with variations in *LTBP2*

Patient ID	Effect of mutation on protein	Gender	Age at onset (yrs)	Affected eye	IOP max (mm Hg)		C/D		Other clinical findings
					R	L	R	L	
243	p.Pro432Leu	Female	54	Right	28	15	0.9	0.4	
216L [‡]	p.Arg495Gln	Female	22	Bilateral	24	24	0.7	0.8	Mitral valve prolapse
211L [‡]	p.Arg495Gln	Female	20	Bilateral	38	40	0.5	1*	Mitral valve stenosis
213R	p.Glu1191Lys	Male	68	Bilateral	23	21	0.9	0.9	Aortic valve prolapse
222	p.Gln1417Arg	Male	70	Right	27	14	0.8	0.3	
251	p.Val1638Met	Female	67	Bilateral	32	37	0.5	0.6	

[‡]These individuals are siblings. * Total cup; IOP, intraocular pressure; C/D, cup to disc ratio.