

Table S5. Comparison of 127-variant POAG GRS with and without the addition of rs16944405 (*IQGAP1*) for predicting POAG case-control status in EUR and AFR individuals in the MVP. Adjusted models included age, sex, and 10 PCs as covariates.

Model	GRS Type	AFR			EUR		
		AUC (95% CI)		p-value	AUC (95% CI)		p-value
		GRS	GRS+ <i>IQGAP</i>		GRS	GRS+ <i>IQGAP</i>	
Unadjusted	Unweighted	0.604 (0.591-0.618)	0.605 (0.592-0.618)	0.712	0.651 (0.641-0.66)	0.651 (0.641-0.66)	0.383
	Cross-ancestry meta-analysis	0.617 (0.604-0.63)	0.615 (0.602-0.629)	0.326	0.668 (0.658-0.677)	0.668 (0.658-0.677)	0.822
	Ancestry-specific	0.578 (0.565-0.591)	0.579 (0.565-0.592)	0.787	0.667 (0.657-0.676)	0.667 (0.657-0.676)	0.926
Adjusted	Unweighted	0.683 (0.669-0.696)	0.683 (0.669-0.696)	0.468	0.654 (0.645-0.664)	0.654 (0.644-0.663)	0.324
	Cross-ancestry meta-analysis	0.686 (0.673-0.7)	0.686 (0.673-0.699)	0.794	0.67 (0.661-0.679)	0.67 (0.661-0.679)	0.941
	Ancestry-specific	0.676 (0.662-0.689)	0.676 (0.662-0.69)	0.516	0.669 (0.66-0.678)	0.669 (0.66-0.678)	0.898

Abbreviations: POAG = primary open-angle glaucoma, PCs = principal components, GRS = genetic risk score, AFR = non-Hispanic African ancestry, EUR = non-Hispanic European ancestry, AUC= area under the curve, CI = confidence interval, MVP = Million Veteran Program.