

Supplementary Table 4. Results of mediation analysis for the outcome of geographic atrophy enlargement rate, with *ARMS2* genotype as exposure and reticular pseudodrusen status as potential mediator, with only one eye permitted per participant.

	Estimate† (mm/year)	95% CI (mm/year)	P
Natural direct effect of <i>ARMS2</i> genotype on enlargement rate*	0.085	0.007-0.163	0.033
Natural indirect effect of <i>ARMS2</i> genotype on enlargement rate (i.e., mediated by RPD status)*	0.002	-0.009-0.014	0.71
Marginal total effect of <i>ARMS2</i> genotype on enlargement rate (sum of direct and indirect effects)*	0.087	-0.012-0.186	0.08

Abbreviations: CI=confidence interval; RPD=reticular pseudodrusen

\* RPD status defined at study baseline for eyes with prevalent geographic atrophy (GA) and at first GA appearance for eyes with incident GA; *ARMS2* genotype considered in two levels (0 risk alleles/GG as reference and 1-2 risk alleles/GT+TT as other level)

† slope of change in square root of GA area over time (mm/year), based on a single value per eye