

## Supplementary material

**Table S1.** Distribution of the quantified visual fields on target size and number of individuals.

Goldmann target	No. of visual fields	Individuals (n)
I4e	4	1
II4e	16	2
III4e	96	20
IV4e	208	25
V4e	2	1

**Table S2.** The output from our mixed model analysing visual fields with target size IV4e.

Linear mixed model, target IV4e	Estimates	95% confidence interval		p-value
		lower limit	upper limit	
Intercept	9.8937343	9.201905	10.58556	< 0.0001
Slope	-0.1048118	-0.13213	-0.077494	< 0.0001

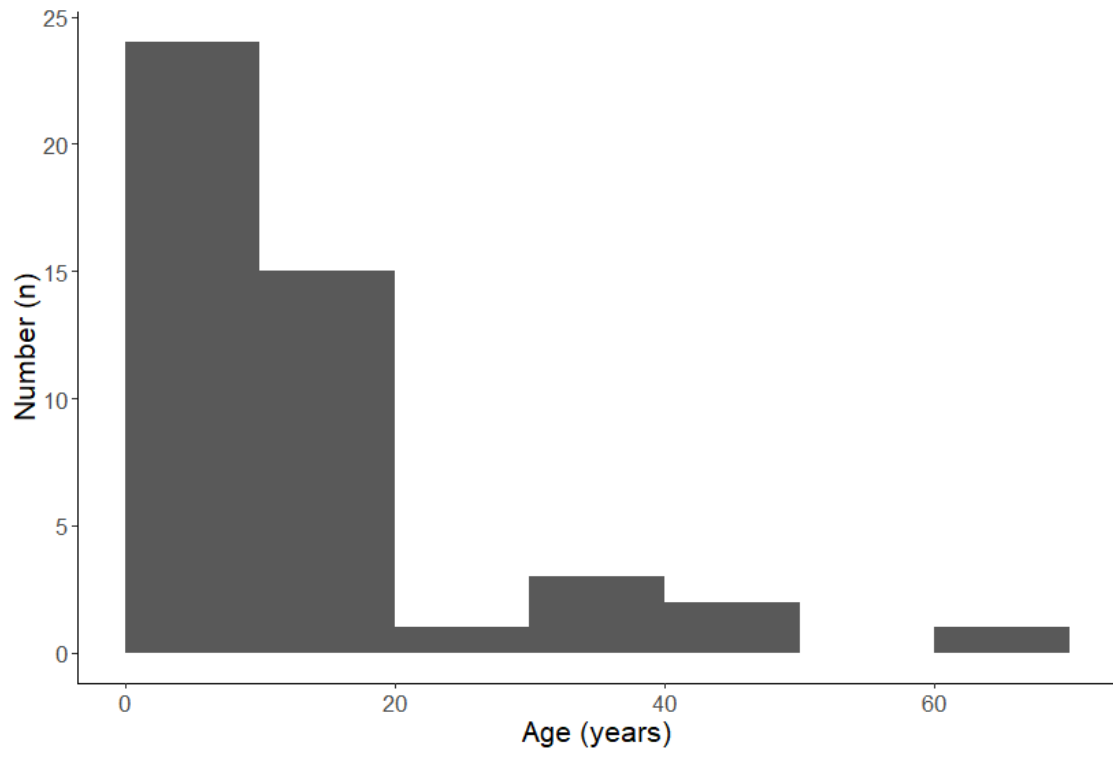
**Table S3.** The output from our mixed model analysing visual fields with target size III4e.

Linear mixed model, target III4e	Estimates	95% confidence interval		p-value
		lower limit	upper limit	
Intercept	9.50127954	6.544735	12.45782	0.01
Slope	-0.08219548	-0.1182992	-0.0460918	0.001

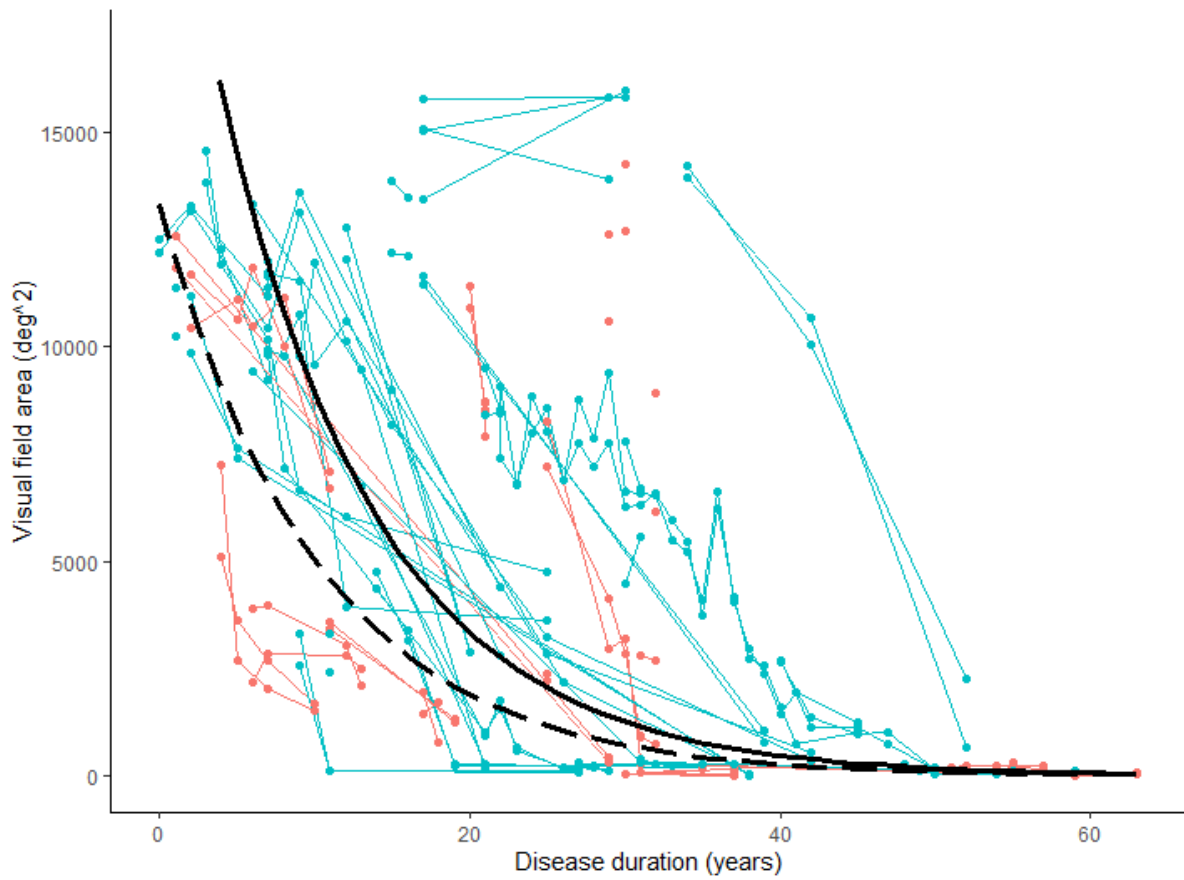
**Table S4.** The output from our mixed model analysing visual fields with combined targets (III4e and IV4e).

Linear mixed model, target III4e and IV4e	Estimates	95% confidence interval		p-value
		lower limit	upper limit	
Intercept, target III4e	9.49770488	8.935131	10.06028	< 0.0001
Intercept, target IV4e	0.57039318*	0.4100208	0.7307656	< 0.0001
Slope	-0.09745837	-0.1222923	-0.0726244	< 0.0001

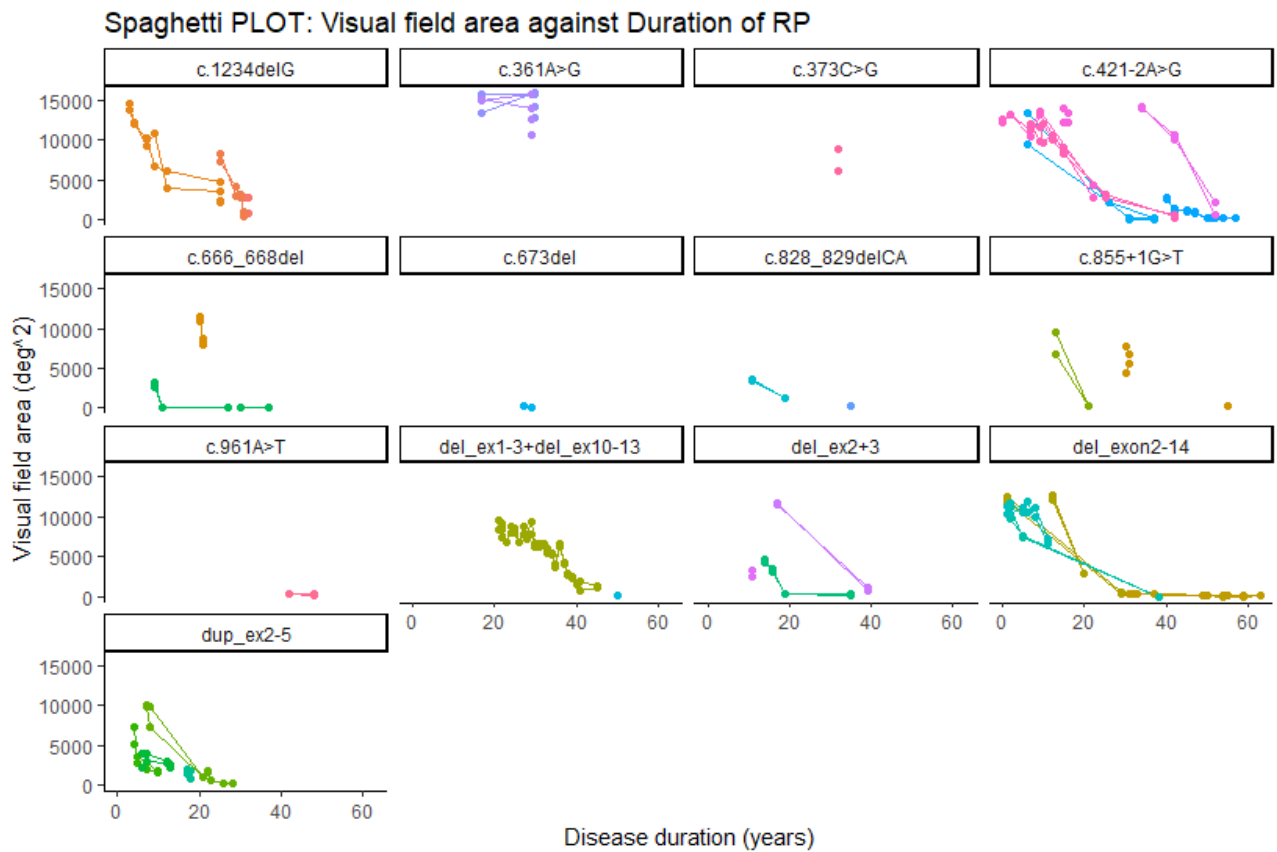
\*In this model the estimate for target IV4e shows the additional  $\ln(\text{area})$  between the two targets. The two estimates must be added to get the correct estimate for the IV4e-intercept.



**Figure S1.** Histogram demonstrating age at disease onset.



**Figure S2.** Combined model with Goldmann targets III4e and IV4e. Red points are III4e observations, and blue points are IV4e observations. Coloured lines illustrate individuals time course. Black dashed line represents the fitted model for target III4e, and black solid line represents fitted model for target IV4e. The slope (progression rate) are identical, but the intercept differs depending on target size.



**Figure S3.** Spaghetti plot with visual field areas divided according to the *PRPF31*-variant, demonstrating no clear genotype-phenotype relations in this, after all, limited material. Colours represent different individuals.