(A)

(B)

(C)

(D)

Supplemental Figure 1

Comparison of onset age, age at examination, and progression of logMAR visual acuity among patients with autosomal recessive retinitis pigmentosa carrying eyes shut homolog (*EYS*) gene variants at different locations. The patients were classified into the following groups: group A had both variants in the N-terminus, group B had one variant in the N-terminus and the other in the C-terminal laminin G containing domain, and group C had both variants in the C-terminus. Group C was further divided into group C-1, group C-2, and group C-3. Group C-1 had two alleles belonging to c.7228+1G>A or c.6416G>A, group C-2 had one allele from c.7228+1G>A or c.6416G>A, and group C-3 had no allele from either c.7228+1G>A or c.6416G>A. The ANOVA analysis with post-hoc Tukey test and linear regression with stepwise selection were performed.

(A) Comparison of onset age among groups C-1, C-2, and C-3. No significant difference was found among these groups. (B) Comparison of age at examination among groups C-1, C-2, and C-3. No significant difference was found among groups. (C, D) Visual acuity of the right (C) and left eyes (D) at the first visit was presented as a function of age. Every point represents an individual patient in our cohort. The blue, light pink, pink, and maroon lines are the linear regression lines for groups B, C-1, C-2, and C-3, respectively. (C) The regression lines of groups B, C-1, C-2, and C-3 were $y = 0.003 \times age + 0.36$, $y = 0.064 \times age - 2.06$, $y = 0.037 \times age - 0.80$, and $y = 0.055 \times age - 1.80$, respectively. (D) The regression lines of groups B, C-1, C-2, and C-3 were $y = -0.001 \times age + 0.67$, $y = 0.055 \times age - 1.86$, $y = 0.035 \times age - 0.79$, and $y = 0.049 \times age - 1.47$, respectively. The coefficients for age in groups C-1, C-2, C-3 ranged from 0.035 to 0.064, while those of group B were only 0.003 and -0.001. There was no significant difference in the rate of visual acuity decline among groups C-1, C-2, and C-3, while they all showed a more severe disease progression than group B patients. OD, right eye; OS, left eye.