Appendix 4 Box plots of spherical equivalent by genotypes at rs634990 of *GJD2* and rs1550094 of *PRSS56*

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The distributions of spherical equivalent residuals were plotted for each observed genotype at rs634990 of *GJD2* (left) and rs150094 of *PRSS56* (right). After adjusting for age, sex, years of education, nuclear sclerosis and the first two principal components, (A) each copy of the minor allele C of rs634990 is associated with a 0.29 D decrease in spherical equivalent (p = 1.8 × 10-3), and (B) the minor allele G of rs150094 is associated with a 0.33 D decrease in spherical equivalent (p = 1.7 × 10-3).