

ABSTRACT

USING GENETIC POLYMORPHISMS OF THE BICD1 GENE AS A METHOD FOR DIAGNOSING AND TREATING MYOPIA

5 Using the BICD1 gene as a method for diagnosing myopia and/or myopia related complications is provided. The method includes obtaining a biological sample from a subject, and determining at least one SNP genotype in the BICD1 gene in the biological sample, wherein the presence of the SNP genotype indicates that the subject is susceptible to myopia. The SNP genotype is selected from the group
10 consisting of SNPs rs7966276, rs1151029, rs2650122, and rs10771923. In addition, the present invention also provides a method of screening a material for preventing, treating myopia, and a method of assessing a subject for probability of response to a myopia therapeutic agent.

15 Figure 1