Reviewer’s report

Title: The UMODL1 gene as a susceptibility gene for high myopia: a case-control association study in Chinese

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Reviewer: Xiangtian Zhou

Reviewer’s report:

As my previous comment, the analysis methods used in this work are quite well. The author tests nearly all possibility to pinpoint whether the polymorphisms of UMODL1 are associated with high myopia in Chinese population. After analysis using single marker, haplotype cluster, and haplotype based algorithm on ~900 Chinese patients and ~800 health controls, no HM association can be found among all UMODL1 SNPs. By analyze sub-phenotypes, the author found rs220120 may correlated with the ACD in HM patients.

This result again showed the complexity of genetic susceptibilities of HM. And HM sub-phenotypes may also have their own genetic susceptibility factors. Further, studies should take more caution to the stratification of HM phenotype.

In this revised format of the manuscript, the authors answered my questions well. And I think now it is suitable to be published.

Level of interest: An article whose findings are important to those with closely related research interests

Quality of written English: Acceptable

Statistical review: Yes, and I have assessed the statistics in my report.

Declaration of competing interests:

I declare that I have no competing interests.