Reviewer’s report

Title: A novel locus (CORD12) for autosomal dominant cone-rod dystrophy on chromosome 2q24.2-2q33.1

Version: 2 Date: 14 September 2010

Reviewer: David Hunt

Reviewer’s report:

This paper reports linkage in a large cone-rod dystrophy to chromosome 2q24.2-2q33.1. The paper has been carefully written and I do not have any comments on style.

The major issues are:

1. The maximum lod score presented is 2.86, which falls just short of a value for statistical significance (3.0). This raises the possibility that the linkage is incorrect, although this is unlikely.

2. An in-house developed software called TASE was used for the analysis of genotypes. As this does not appear to be in the public domain, there is no way of assessing its accuracy.

3. The mapping of a CORD disease without the identification of the disease gene is of rather limited interest. The disease region is large with 280 annotated genes. The authors have looked at the 3 most likely candidates but have failed to find a mutation in the coding regions.

4. Little detailed clinical data are presented.

As it stands therefore, it is of rather limited interest. The linkage data should be combined with a detailed clinical assessment of the disorder.

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

Quality of written English: Acceptable

Statistical review: No, the manuscript does not need to be seen by a statistician.

Declaration of competing interests:

I declare that I have no competing interests