Reviewer's report

Title: Common sequence variants in the LOXL1 gene in pigment dispersion syndrome and pigmentary glaucoma

Version: 2  Date: 13 January 2014

Reviewer: Naushin Waseem

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Major Compulsory Revisions
1. Eighty four Italian patients with PDS/PG were recruited for this study. What is the ethnic mix of this cohort?
2. How many controls were included in this study? In the abstract 200 controls are mentioned. However in Methods/Genotyping sections only 100 controls were extracted. Further 100 control samples were only analysed for 3 SNPs: rs1048661, rs3835942 and rs2304722.
3. In Table 2 and fig1 how many controls were used? Are the results for the 3 SNPs mentioned above included in this? No justification is given for screening additional 100 controls for the three SNPs. If the authors have included these 3 SNPs in their analysis that would have created bias in the analysis.
4. How many times were the experiments performed for the real time PCR?

Minor essential Revisions
5. I understand it is difficult to obtain tissues from eye tissues but the expression of the LOXL1 in lymphocyte does not necessary mimic that of the eye. This fact should be mentioned in the discussion.
6. Table 2 footnote- significative should be changed to significant. In the result section, second paragraph, regulative should be changed to regulatory.

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

Quality of written English: Needs some language corrections before being published

Statistical review: Yes, but I do not feel adequately qualified to assess the statistics.

Declaration of competing interests:
I declare that I have no competing interests.