Reviewer's report

Title: Exome sequencing identifies a mutation in the ACTN2 gene in a family with idiopathic ventricular fibrillation, left ventricular noncompaction, and sudden death

Version: 2 Date: 17 April 2014

Reviewer: Andrew Davis

Reviewer's report:

This manuscript is a very important novel contribution because of its demonstration of the extremely variable (and potentially nasty) phenotype that can be caused by mutations in ACTN2. This is not only important for this gene but as a paradigm to help us solve the mysteries of sudden cardiac death. This has been well discussed and I don't believe that any revisions are needed.

Level of interest: An article of outstanding merit and interest in its field

Quality of written English: Acceptable

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

Declaration of competing interests:

I collaborate with all of the authors especially in research related to sudden cardiac death. In addition I have been referred one of the descendants in this family for clinical management.