Reviewer's report

**Title:** Further evidence that mutations in INS can be a rare cause of Maturity-Onset Diabetes of the Young

**Version:** 4  **Date:** 2 November 2009

**Reviewer:** Sergey Nejentsev

**Reviewer's report:**

**Major**

The authors found 1 heterozygous subject with R6H and 1 heterozygous subject with R46Q out of 116 MODY patients tested and none among 209 non-MODY subjects. I think it would help if additional Danish and Czech controls (e.g. 500 subjects or more) could be genotyped for the R6H and R46Q polymorphisms. If rare alleles are not found, it would strengthen the argument that both these variants are indeed MODY mutations and not just very rare neutral polymorphisms.

**Minor**

Background

“For example was MODY initially…” should be “For example MODY was initially…”

Figure 1 title. RH6 should be R6H

**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