Reviewer's report

Title: Susceptibility to Type 1 Diabetes conferred by the PTPN22 C1857T Polymorphism in the Spanish population

Version: 1 Date: 5 April 2007

Reviewer: Sasha Zhernakova

Reviewer's report:

General
Santiago et al performed an association study of PTPN22 C1857 polymorphism in Spanish populations. They also observed a sex-dependent association in a pediatric subgroup of patients. Given the importance of replication studies in complex diseases, this study is of interest for genetic researchers.

Major Compulsory Revisions (that the author must respond to before a decision on publication can be reached)

None

Minor Essential Revisions (such as missing labels on figures, or the wrong use of a term, which the author can be trusted to correct)

1. The authors describe the stratification of their patients for HLA risk alleles; however nothing is mentioned in the ‘materials and methods’ section about the details of HLA typing. The authors should either describe how the HLA typing was performed or include a reference if this information has been published before.
2. The authors performed a number of stratifications (for age of onset, sex and HLA type) and observed a sex-dependent association in their pediatric-onset cohort. Authors should mention that the observed association is not seen after the correction for the number of tests they performed.
3. In the list of abbreviations LYP and HLA are missing.

Discretionary Revisions (which the author can choose to ignore)

None

What next?: Accept after minor essential revisions

Level of interest: An article of importance 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 declare that I have no competing interests