Reviewer’s report

**Title:** The G-Protein beta 3 subunit 825 TT genotype is associated with epigastric pain syndrome-like dyspepsia

**Version:** 1  **Date:** 13 October 2009

**Reviewer:** Durk Rimmer de Vries

**Reviewer’s report:**

Dear editor, this straightforward paper uses fairly large groups of people to show an association of GNB3 C825T with a subtype of dyspepsia symptoms. The paper is sound and confirms earlier work in Japanese subjects.

I do not have major compulsory revisions.

Minor essential revisions: in the introduction, a negative study by Andresen et al is cited with the goal to link functional gastrointestinal disorders to visceral hypersensitivity. This serves no purpose and the reference should be changed, earlier work has been done, e.g. using balloon distension at multiple levels in the GI tract, that proves the wanted point much more convincingly. Trimble Dig Dis Sci 1995, 40:1607-13 is a good example.

In the second paragraph G-proteins are called membrane receptors, which is not the case, they are the ligand to the GPCRs. Please change this.

Regarding the methods, I would like to know the response rate: how many people were asked to participate and how many accepted and declined, respectively?

I would also like to know if any control experiments were performed using e.g. restriction fragment length analysis to check the accuracy of the genotyping assay.

I have no comments regarding the results and discussion which are simple and straightforward, just as I like to see them.

**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.