Reviewer's report

Title: Association analysis of the common calcium-sensing receptor polymorphism rs1801725 in Irritable Bowel Syndrome

Version: 3 Date: 2 October 2015

Reviewer: sam cheng

Reviewer's report:

This paper reports an original research work. The authors posed an important question and tested a new hypothesis although the result of the study did not support the hypothesis. The data were sound and well controlled. The interpretation of the data was also appropriate, although the discussion was a bit long given the lack of positive result. The methods were appropriate and well described, and sufficient details provided.

Major Compulsory Revisions: no

Minor Essential Revisions:

However, the reviewer felt that the quality of the paper could be further enhanced if the discussion could be shortened and succinct.

Albeit negative, the key result should be described in the title of the paper.

Also, this paper cited too many review articles; it would be more appropriate and respectful to quote the original research work, such as Dr. Brown's Nature paper regarding general CaSR (Nature'93;366:575-80), CaSR in ENS (AJP'98;274:G122-30; AJP'12; 303:G60-G70) and regulation of secretion and motility (AJP'02;283:G240-50, Gastroenterol'04; 126:148-58, PNAS'06; 103:9390-7, AJP'12; 303:G60-G70).

Discretionary Revisions:

The authors used [Ca2+]i for interstitial Ca2+ level. Since is normally used to describe intracellular Ca2+ level, to avoid confusion and possible misleading, would suggest to change to [Ca2+]o or just use word description.

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