

## Response to Reviewers

### Reviewer 1

Grammar and style have been edited. References have been updated. Technical errors have been fixed.

### Reviewer 2

Additional figure for Wnt pathway has been added. Unclear what details are missing from pedigree. Explicit transcription factors now mentioned. Typographical errors have been corrected.

### Reviewer 3

Figure labeling has been changed. Circle symbols appear to match except for the shading was in opposite direction with the pdf format, jpeg format used and is now consistent. Square symbols are universally understood to represent different gender, and arrow is also universally understood to mean the proband. P53 result now added to the text, Kras was not tested. Mechanism is not outlined because while it is not clear how it is caused, the association is well established and reference is given.