Reviewer #1:
Scientific Quality: Grade B (Very good)
Language Quality: Grade B (Minor language polishing)
Conclusion: Accept (High priority)
Specific Comments to Authors: The novelty of this study is that the authors have identified critical but unexpectedly bacterial profile that are associated with prognosis and survival of CRC patients and have suggested that intestinal microbiota can serve as biomarkers to predict the risk of CRC recurrence and death. The limitation of the study as stated by the authors is that the mechanism behind bacteria-driving CRC recurrence which is different from those proposed for bacteria-driving CRC development is yet to be determined

Response: We thank the reviewer for reviewing and supporting our manuscript.

Reviewer #2:
Scientific Quality: Grade C (Good)
Language Quality: Grade B (Minor language polishing)
Conclusion: Minor revision
Specific Comments to Authors: The principal aim of the authors is to investigate the relationship between gut mucosal microbiome profiles and CRC recurrence and prognosis. The aim is not totally innovative because there are already similar studies. The originality is in into the evaluation a cohort of Chinese patients and the different correlation analysis.

Response: We thank the reviewer for reviewing our manuscript and giving valuable comments and suggestions. We have carefully revised our manuscript according to the reviewer's suggestions. We believe that these revisions have greatly improved the quality of the manuscript. Our point-by-point responses to the comments are listed below.

The results are interesting and well discussed, but there are some critical points. 1) The authors use the words microbiota and microbiome as synonyms, but it is wrong because they analyse the taxonomic composition and so the microbiota not the microbiome (that is the genetics of microbiota). Please change microbiome in microbiota.

Response: Thank you for your suggestion. We have replaced microbiome by microbiota.

2) There are more figures and tables, I suggest to move some in additional materials

Response: Thank you for your suggestion. We have moved Figs. 7-10 to supplementary materials.

3) The authors did not cite some interesting papers such as doi: 10.3389/fmicb.2017.02699

(for the Fusobacterium nucleatum in CRC) and doi: 10.3389/fimmu.2017.01900 (for the T cell infiltration in CRC). Please add and discuss these manuscripts

Response: Thank you for your suggestion. We have added and discussed the references in the manuscript. Please see references 32 and 44.

4) The authors use frequently in discussion section the sentence "beneficial T cells" please specify what do you mean, Th1 or T CD8+?

Response: Thank you for your suggestion. We have specified the specific types of beneficial T cells in the manuscript.