FW: [Viruses] Manuscript ID: viruses-1921401 - Accept with Minor Revisions

Additional comments are described as below.

1. Introduction

1-1) P1, L31-42: The author should summarize broad information about virological characteristics of BCoV.
RESPONSE: Thank you for pointing this out. As requested, we have summarized the characteristics of BCoV (lines 31–32).

1-2) P1, L42: The author should split up the paragraph at this point.
RESPONSE: As requested, we have split the paragraph from L42 (line 41).

1-3) P12, L54: The author should provide the information about BCoV vaccine and the rationale for the need to develop new inactivated vaccine in a new paragraph.
RESPONSE: Thank you. We have added the following sentence to the revised manuscript (lines 52–54):

2. Materials and Methods

2-1) P2, L82: The author should state the basis and rationality of the reference sequences selected to construct the phylogenetic tree.
RESPONSE: We have added the following sentence to the revised manuscript (lines 86–88).

3. Results

3-1) P8. L226-228: The basis of KBR-1 strain selection as vaccine candidate was not described.

RESPONSE: Thank you for pointing this out. We attempted to isolate BCoV from 16 BCoV-positive diarrhea samples, but unfortunately only the KBR-1 strain could be isolated and cultured continuously *in vitro*.

4. Discussion

4-1) P10, L290: The author should discuss prevalence of BCoV and compare the results with other studies in a new paragraph. The necessity and importance of study on BCoV should be described.
RESPONSE: We agree with the reviewer's comment that, based on the prevalence of BCoV in Korea, we need to emphasize the necessity and importance of BCoV studies, including those in other countries. We have revised the Discussion section accordingly (lines 296–305).

4-2) P10, L291-298: This part seems duplicated contents and the description of the literature unrelated to the experimental results.
RESPONSE: We have deleted these sentences from the original manuscript (lines 291–298).

4-3) P11, L319-329: In this study, the diarrhea samples were obtained from calves. Therefore, the literature about the vaccination on calf should be described. Please remove the sentence about unrelated literature on this part. Moreover, the author should focus on discussing the experimental results obtained in this study.

RESPONSE: As requested, we have removed the sentence describing unrelated literature, and have referred to literature describing vaccination of calves (lines 327–335, and 358–359).

4-4) P11, L329: The author should split up the paragraph at this point.
RESPONSE: As requested, we have we split the paragraph (line 327).

Reviewer 2

Comment 1: Authors have answered all question, However IHC was not done in experimental challenge study as well as immunological parameters of host were not studied after challenge. Therefore, Title doesnt't require Immunological, Please remove 'and immunological ' from the title.

so it will be " Isolation and genetic characterization of a bovine coronavirus KBR-1 strain from calf feces in South Korea"

Or

Please justify it for ...'as it is' consideration.

valid reason will be consider.

Answer: According to reviewer's comment, we changed to the title "Isolation and genetic characterization of a bovine coronavirus KBR-1 strain from calf feces in South Korea".