Response to Reviewer 1 Comments

Comments and Suggestions for Authors

The manuscript quality has been significantly improved form the first submitted version. In general, I suggest to pay attention to the punctuation and spacing, since sometimes there are double or no spaces between words or the word and the reference. In order to improve the manuscript, I have only few comments that need to be addressed:

Line 47: I suggest using the past tense, since today the irrational use of antibiotics is banned.

Response: Thank you for your suggestions, I have revised “use” as “used” in line 47.

Line 76: Correct the punctuation.

Response: I have got rid of one of the reused punctuation (“.”) in line 76.

Line 83: “AMP with antimicrobial activity” is a repetition, since AMP stays for antimicrobial peptides.

Response: it is my negligence, I have removed “with antimicrobial activity” and keep the word “AMP” in line 83

Line 86: Please, provide the extensive form for KEGG

Response: I have provided the extensive form for KEGG as follows in line 87: https://www.kegg.jp/kegg-bin/show_pathway?map01503.

Line 109: Please correct “et al.” with the correct punctuation.

Response: Thank you for reminding the judges. I have changed “et. al” to “et al.” in the full text

Line 118: Correct the typo.

Response: I have revised red punctuation as black font. What’s more, I also got rid of the extra space bar in line 119.

Line 125: Please add the reference after Li et al.

Response: I have add the reference after “Li et al.” in line 126.

Line 167: Correct the typo.

Response: The comma after “Samia Cynthia” removes the italic form in line 142.

Line 218: Correct et al.

Response: I have revised “Sato et.al” as “Sato et al.” in line 192.

Line 366: List the reference after the author’s name.

Response: I have added reference after “Antonio et al.” in line 336.

Line 385: Add a space between the parenthesis and “and”.

Response: I have added a space between “(61%)”and “and” in line 356

Line 454: Correct the “et al.” form and provide the reference.

Response: I have correct as “Leni et al.” and have added a reference [138] after the author’s name in line 423.

Line 462: Remove the bold

Response: The comma after “Conversely” removes bold form in line 431.