Reviewer 2:

In the manuscript entitled «The ERF5 transcriptionally induces the MBY30 and F3H expressions and boosts the anthocyanin accumulation in mulberry fruits» the authors performed analyzes of transcriptomes and metabolism of fruits of two mulberry genotypes in order to study in more detail the biosynthesis of anthocyanins. This topic is interesting, and although many articles have been published on it, a large number of questions remain about the regulation of the biosynthesis of this class of secondary metabolites.

After reading this manuscript, I did not have any significant questions regarding the results. However, a big note about the English language. I recommend that the authors review the writing of the manuscript with the assistance of a specialist.

This work is worthy of publication in the IJMS journal, but after minor revision. I provide my comments below.

Reply:

Many thanks for your positive evaluation and valuable comments on our work. The point-to-point response was provided as follows.

· I wonder what is the current title of the work, which is indicated in the manuscript or indicated in the information on the site?

Reply:

We updated the new subtitle “Plant material and growth condition”. A more details about site information was described in this section in lines 90-95.

Indicate the coordinates of the plantation where the plants were grown. This will give a more detailed understanding of the growing conditions. It would also be good to indicate the date of collection of the fruit.

Reply:

Thanks for your comments. We added a detailed description about the growth location, growth conditions and the date of collection of the fruits in lines 90-95 as recommended.

· It would be good to describe in more detail the method for determining the content of anthocyanins in samples.

Reply:

We added a sentence to clarify the eqution of anthocyanins determinations in method section in lines 112-113.

· Lines 123-129. Indicate not only the name of the reagents and equipment manufacturers, but also their city and state.

Reply:

Thanks for your comments. The relevant information of city and state was added in the revised manuscript.

· Lines 123-129. of fruits of

Reply:

Revision done. The sentence was changed to “The total RNA was extracted from the fruits samples of the two mulberry…”.

· Lines 36-40. This sentence is spelled wrong. Rewrite more accessible.

Reply:

Thanks, the sentence was changed to “The leaves and fruit extracts of Mallotus pellatus have been extensively reported to play prominent roles in maintaining a healthy organism through inhibition of human LDL oxidation and prevention from atherosclerosis in apolipoprotein E-deficient mice”.

· Lines 41. such as, the nutritional. Extra comma after "as"

Reply:

Revision done.

· Lines 94. Dashi (DS), WERE obtained. To correct

Reply:

Revision done.

· Lines 96. Fruits WERE collected from. To correct

Reply:

Revision done.

· Line 110. «reported by….» Indicate the author of the work you are referring to.

Reply:

Revision done.

· Line 121. Was change were.

Reply:

Revision done.

· Line 154, 192. «reported by….» Indicate the author of the work you are referring to.

Reply:

Revision done.