To Reviewer 3:

Thank you for your detailed review and valuable suggestions for revision. We have revised the manuscript according to your suggestions as follows:

Question 1:

44. pp. Rb. Sphaeroides corrected: Rhodobacter sphaeroides
50. pp. Sphaeroides corrected: sphaeroides

Answer 1:

In response to the reviewers' comments, the format of *Rb. Sphaeroides* has been standardized throughout the manuscript.

Question 2:

60-62. pp. In the Figure 1., is R. sphaeroides cytochrome c shown? Mark it!

Answer 2:

The Figure 1 caption has been revised to indicate that it is the structure of horse Cc, and the Protein Data Bank reference is given.

Question 3:

Human and horse cytochrome c differ in 11 amino acids (BLAST). These should be summarized in a table and discussed. With special regard to the differences that change the charge (D51A, K61G, E90T, A93E; human-horse).

Answer 3:

A section has been added listing all the amino acid mutations from horse Cc to human Cc (lines 211 – 217). There are tables of these mutations in the references given. Table 1 lists the mutations studied in this manuscript. It should be noted that in a Blast search, the horse and human Cc are listed with 105 amino acids, including methionine at the amino terminus. However, this initial formyl-methionine is removed by posttranslational modification, and the Glycine at position 1 is acetylated. The mature horse and human Cc have 104 amino acid residues starting with acetylated Gly and the numbering used in the manuscript is based on this.

Question 4:

The format of the references is not uniform. It needs to be fixed.

Answer 4:

I realize that some of the references are in a different format. I assume that your journal changes the format of the references to a common format. Please let me know if I should standardize the reference format.

To Alize Li:

Question:

We just sent you a revision request. Please note that some sentences highlighted in the attachment are similar to part of other published papers. In case of any unnecessary trouble, we kindly ask you to depict this part in another way. Please see the attachment file with the green highlight section.

Answer:

Thank you for using the iThenticate report for finding the repetitions in the current manuscript from our previous manuscripts. These were primarily in the standard procedures section where we use some of the same methods for different studies. I have gone through the iThenticat report and removed all the repetitions shown in green.

These revisions have been made at the following lines in the revised manuscript:

Lines 108 – 112: This old Figure 2 and its caption has been removed in the revised manuscript.

Lines 153 – 156: This sentence has been removed and replaced with the sentence on lines 156 – 158.

Lines 163 – 169: The Figure 2 Caption (Old Figure 3) has been revised to remove duplication.

Lines 170 – 185: Tables 1 and 2 have been removed completely.

Lines 301 – 317: These sentences have been removed and replaced with the sentences on lines 298 -300 and 317 – 321 to avoid duplication.

Lines 385 – 387: These lines have been removed and replaced to avoid duplication.

Lines 394 – 402: These lines have been removed and replaced to avoid duplication.

Lines 411 – 414: These lines have been removed and replaced to avoid duplication.