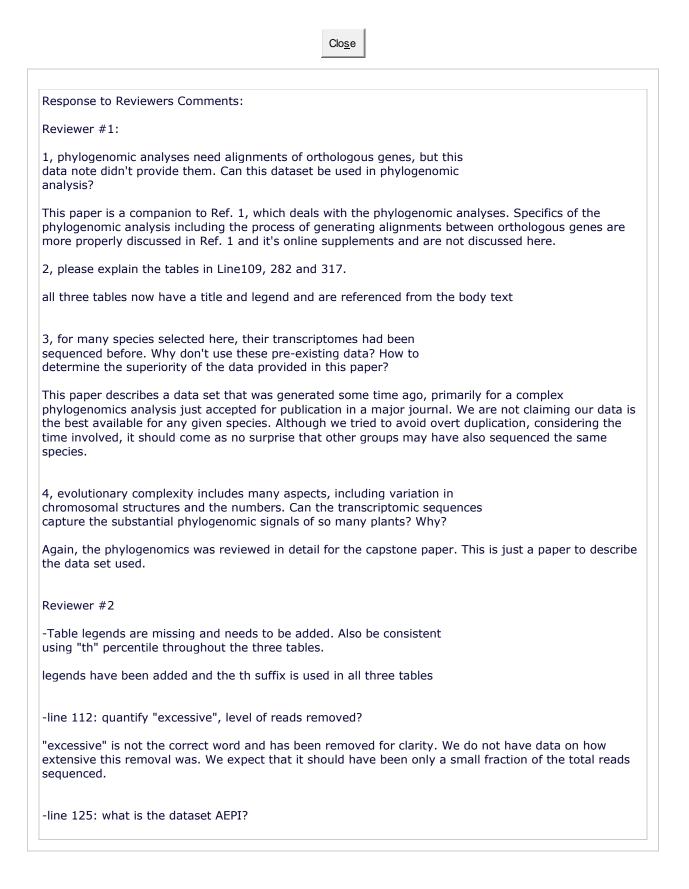
Author's Response To Reviewer Comments



Discussion of the dataset ID codes used has been added. Dataset AEPI was selected as an example.

-line 142 [cite]? A placeholder reference to the protocols.io entry is now present.

-line 146 I find the title "Protein translation" a bit strange since it is prediction of coding regions it refers to

This title has been adjusted to better match the material.

-line 153 "those" what?

those codons - text changed

-line 154 Sentence "Outputs..." remove or point at where the output files are

reference to the associated data added

-line 165 and 166: maybe a miss something but the nucleotide sequences are 1/5 of the predicted protein sequences after Transpipe...?

This is correct. Some description has been added to the previous paragraph to help emphasize that the process only translates a portion of the material. (Those assemblies with sufficient similarity the the Phytozome reference sequences.)

-line 175: this statement needs a reference

No reference is available. We have removed the comment.

-line 193: "these problems", please be more specific, and clearly list which ways tried

The other methods are ad hoc analyses and are not as universally applicable as the 18S based analyses. We do not want to waste time/space with detailed discussion of them. The text is rewritten to remove the references to them.

-line 237: can't access github page!

GitHub has been contacted about this and the issue seems to be fixed.

-line 307-308: I don't follow the last part of the argument as BUSCO -Emboryophyta looks fairly linear to number of assembled scaffolds and non-phylum samples should fall outside this linearity (which they might - can they be marked in any way)

After consideration the wording has been changed to make the weaker statement that the difference remains if only the embryophyte samples are considered.

In fig 1 panel B: what are the 4-letter abbreviation before the species ntaining names?

Discussion of the 4-letter codes has been added to the main text of the paper.

Clo<u>s</u>e