Review #1: I appreciate the efforts made by the authors to address the comments, which have improved the manuscript. After a few minor revisions, the paper will be ready for publication. In particular, the authors should ensure that all supplementary figures are correctly cited and referenced in the main manuscript. Specifically, Figs. S3, S4, and S6 are currently not referenced in the main text and should be incorporated accordingly.

Response: Thank you for your valuable comments. We have revised the manuscript based on your suggestions.

Review #2: The authors have addressed all my concerns from the previous review and have significantly improved the manuscript with extended explanations and clarifications.

I have only a few minor comments to be considered before I recommend the manuscript to get accepted:

Line 37: remove „as“

Line 124: insert „variables“ after „TWS-related“.

Line 130 – 135: I suggest to integrate this part into Section 3.3, it is very specific and already contains some results. The last sentence (lines 134-135) is a duplication of lines 325-327.

Response: Thank you for your constructive comments. All typos have been corrected. Relevant methodological details have been included in the Results section as suggested.