

Interactive comment on “Cyanobacterial species richness and *Nostoc* highly correlated to seasonal N enrichment in the northern Australian savannah” by Wendy Williams et al.

Anonymous Referee #2

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This study investigated the relationships between Cyanobacterial species richness and *Nostoc* highly and seasonal N enrichment in the northern Australian savannah. The results of the present study are significant to better understand their roles in influencing soil the multi-functionality. The topic is novel from my aside. Interestingly, they found that Cyanobacterial richness was highly correlated with N-fixation and bioavailable N in 0-1 cm. This paper is well organized and clearly written. However, the manuscript can be improved by shorten the abstract and conclusions for conciseness. Minor comments
2.3.4 Statistics: Please indicate what method you used for the linear regression. Line 8, P7: Here the bioavailable N consisted of NH₄⁺ an NO₃⁻, so how about dissolved organic N in the soils?

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