

We thank the reviewer for their comments on this version of the manuscript.

The manuscript was checked for all the helpful suggestions and corrections that were minor.

We just shed light that we changed the information in line 400 to “Beyond SOM stabilization, Fe oxides may regulate priming by altering microbial community composition, soil C and N content (Heckman et al., 2009; Heckman et al., 2018); potentially by restricting nutrient availability and changing the structural properties of dissolved organic matter (DOM). For instance, the application of goethite to soil limits P and N bioavailability while increasing the aromatic content of water extractable organic matter (WEOM), which may lower the ratio of fungi to 400 bacteria (Heckman et al., 2012) and alter C and N cycling as a consequence (Silva-Sánchez et al., 2019; Wardle et al., 2004).” To account for the fact that fungi do not necessarily have low CUE compared to bacteria. Thank you very much for this comment.

We hope this version of the manuscript is successful.