

NEWS:



Phyllosphere metaproteomes of trees show high levels of functional redundancy.

Even with plant microbiota: The diversity exists but the functions are rather stable: "... even though the phyllosphere bacterial communities of different tree species are phylogenetically diverse, their metaproteomes are functionally convergent with respect to traits required for survival on leaf surfaces".

This really shows the limitation of 16s rDNA metagenomics analysis which gives a picture of taxon and genus variability and abundance but does not show anything about the really operating functions.

By the way, metaproteomics will show the host and microbiome simultaneously.

Phyllosphere Metaproteomes of Trees from the Brazilian Atlantic Forest Show High Levels of Functional Redundancy. Lambai MR ans all. 2017

<https://www.ncbi.nlm.nih.gov/pubmed/27853840>

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