

Supplementary Figures

Fresh compost tea application does not change rhizosphere soil bacterial community structure, and has no effects on soybean growth or yield

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Supplementary Figures

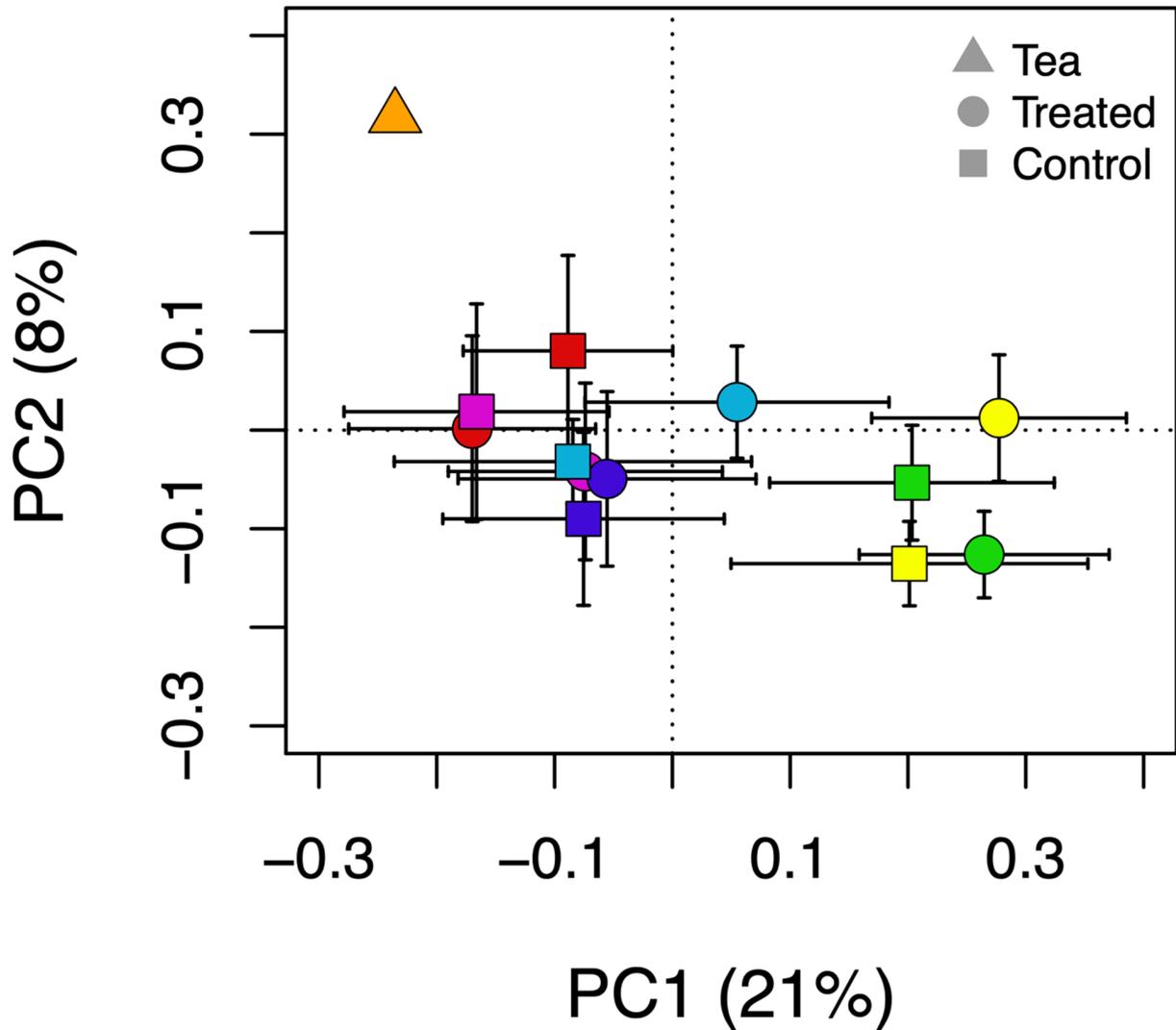


Figure S2. Principal component analysis of Hellinger-transformed relative abundances of Planctobacteria which was the dominant phylum in our dataset. Bacterial communities tend to cluster according to experimental blocks (yellow, green, dark-blue, light-blue, pink and red, represent six experimental blocks; orange color, represents compost tea). Shapes represent treatments.

Supplementary Figures

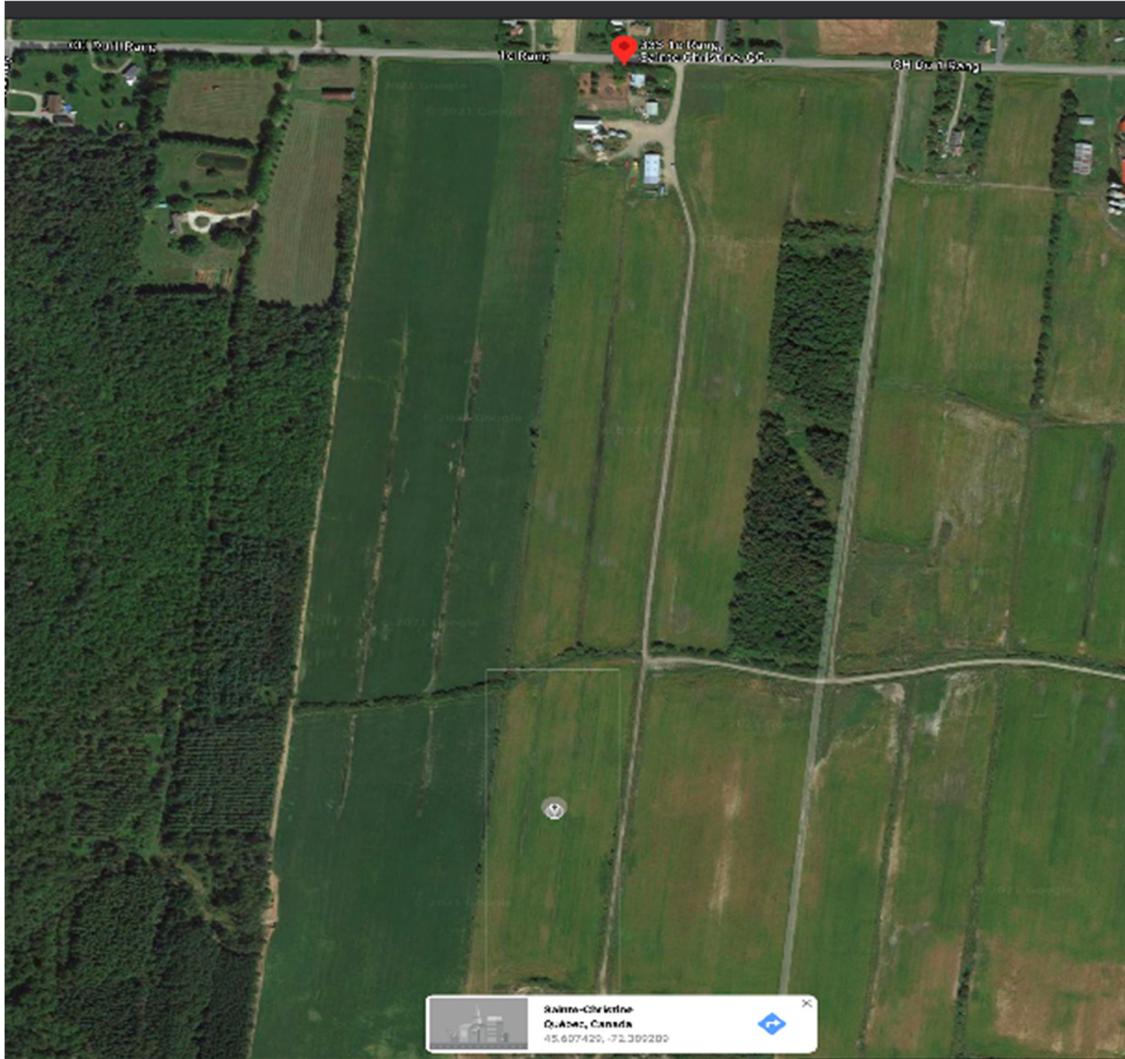


Figure S3. Aerial view of the site, located in Ste-Christine, Montérégie (QC, Canada). The region is dominated by intensive cropping systems, predominantly soybean-maize rotations.

Supplementary Figures

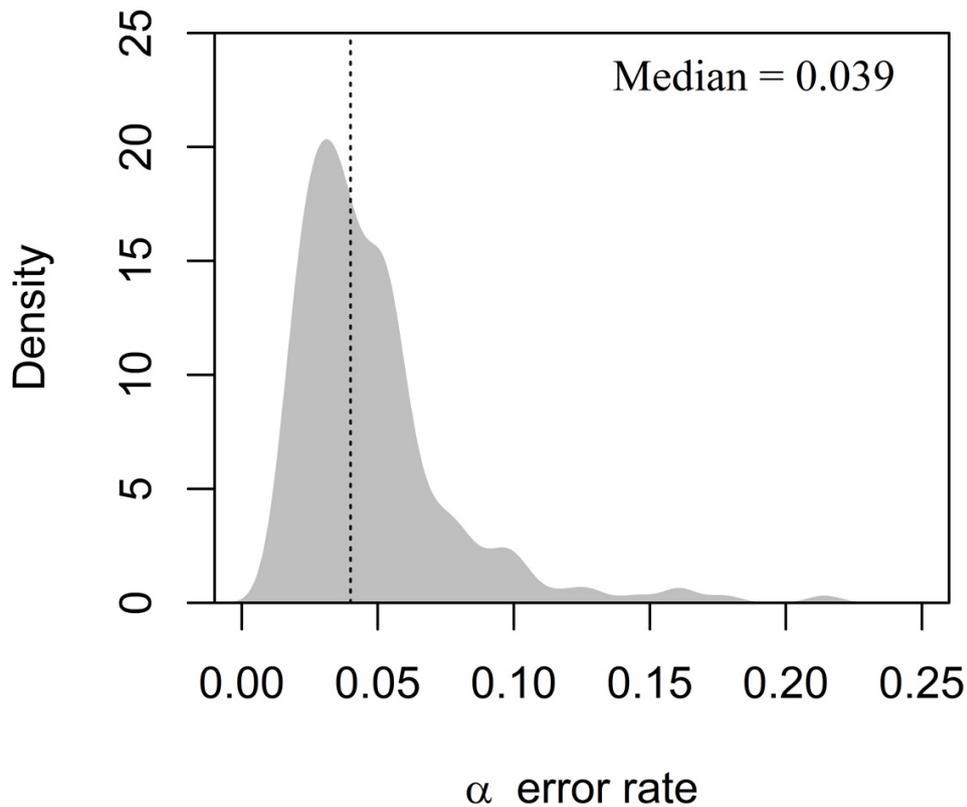


Figure S4. Evaluation of type I error rates in our indicator species analysis. For 1000 random trials, our bacterial metacommunity (i.e., 118 sites [samples] as rows and bacterial ASVs as columns) was randomized using a null model (vaznull in the R package bipartite) that constrains connectance and marginal totals, which is a conservative approach to metacommunity randomization. Then, we ran an indicator species analysis, to evaluate the frequency of false positives that would arise in these trials (i.e., the frequency with which ASVs would be flagged as indicative of a given “treatment” even though the metacommunity had been randomized). For each run, we calculated the proportion of ASVs considered “indicator taxa” as the α -error rate. We report the density plot of this α -error rate for our 1000 random trials. The vertical line report the median value of our 1000 trials, i.e. 3.9%.

Supplementary Figures