

Supplementary Material

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Article Title: Changes in physicochemical properties and microbial community
succession during leaf stacking fermentation

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Fig. S1 The rarefaction curves of 54 samples bacteria (A) and fungi (B).

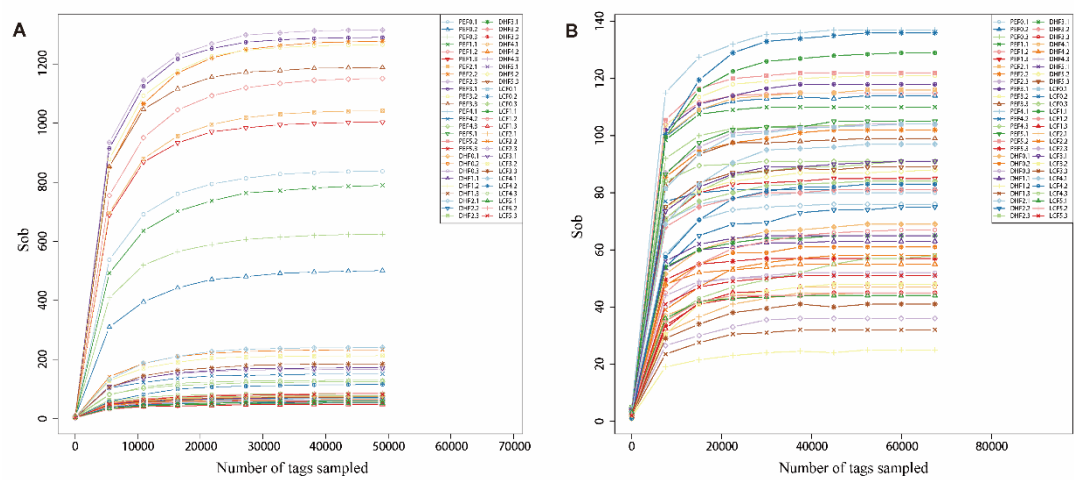


Fig. S2 This Venn diagram shows specific OTUs and shared OTUs of bacteria (A) and fungi (B) among different origins.

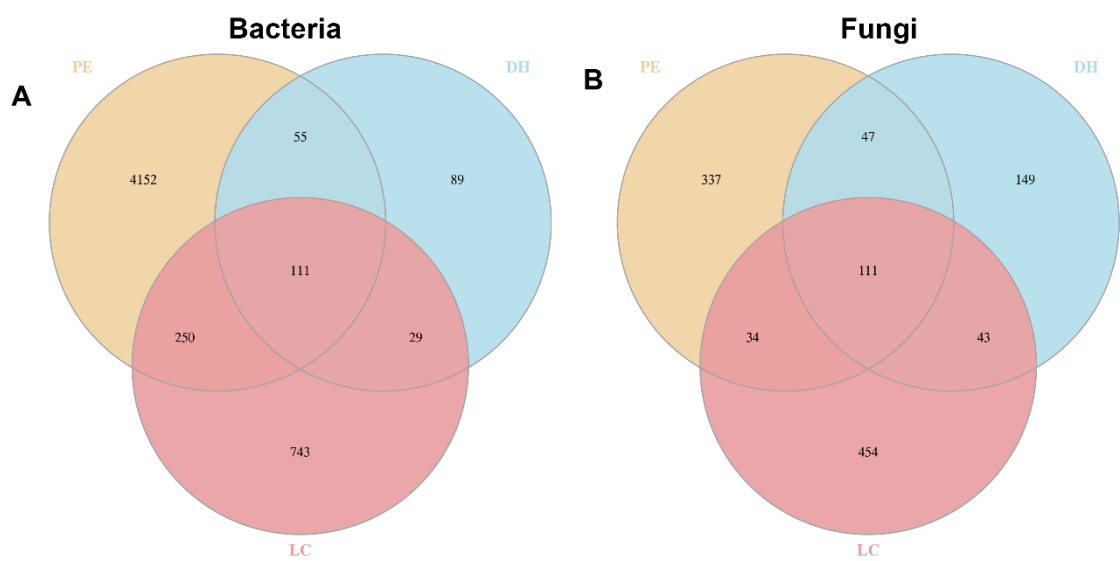


Fig. S3 The core taxa can distinguish fermentation stages of CTLs. Classification of random forest models of the fermentation stage of the core taxa of LC bacteria (A) and fungi (B). Shown are the important features (top 20) based on Mean Decrease Gini (MDG) of random forest models of the core taxa of LC bacteria (C) and fungi (D).

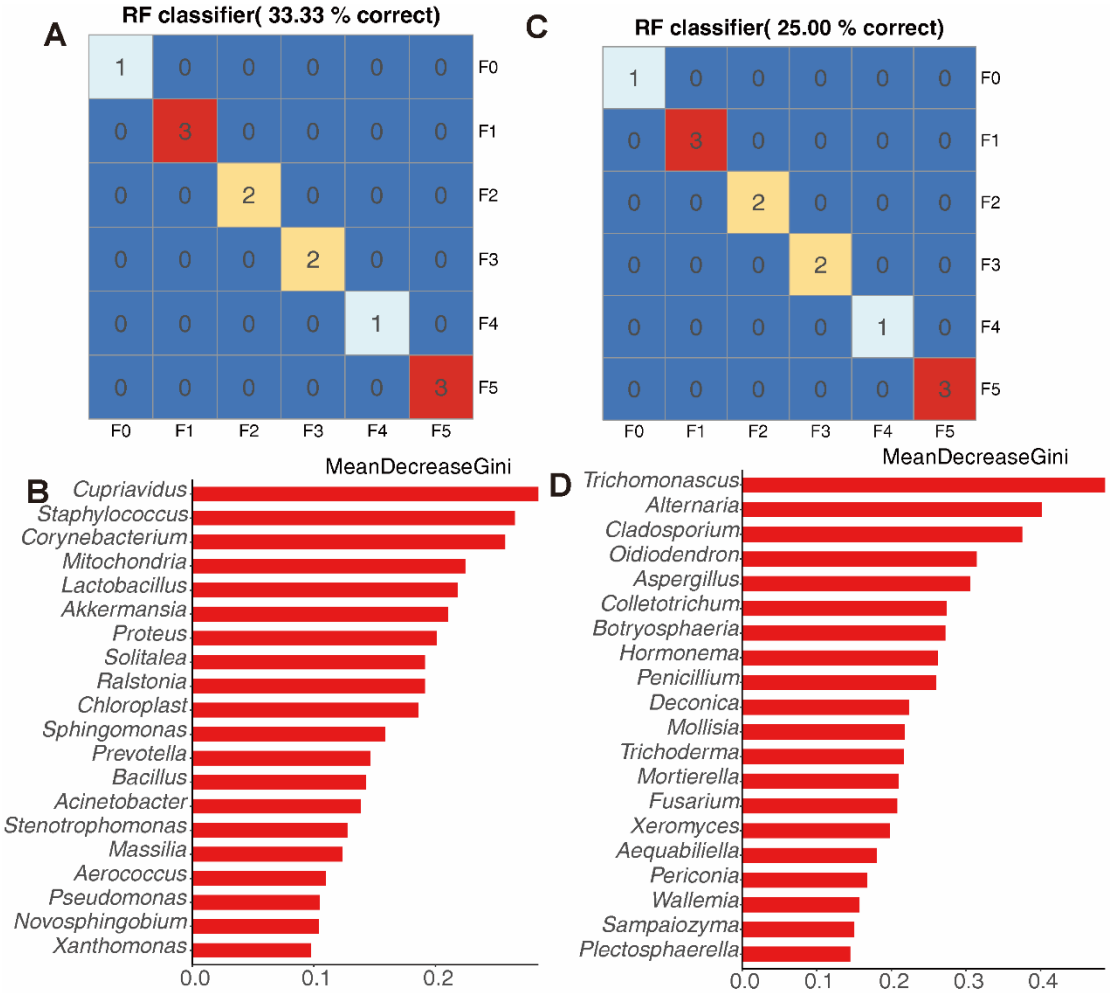


Figure. S4 The core taxa can distinguish fermentation stages of CTLs. Classification of random forest models of the fermentation stage of the core taxa of DH bacteria (A) and fungi (B). Shown are the important features (top 20) based on Mean Decrease Gini (MDG) of random forest models of the core taxa of DH bacteria (C) and fungi (D).

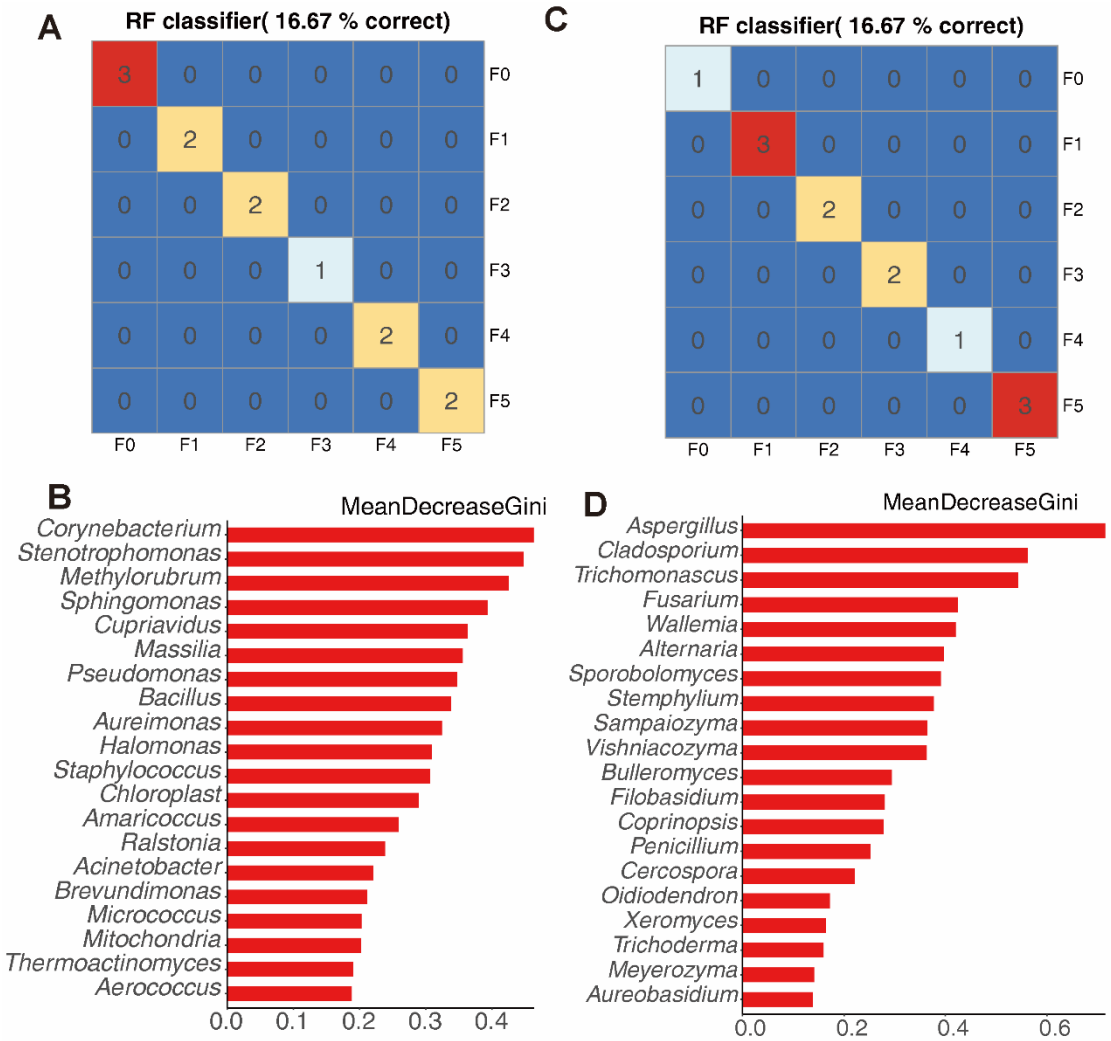


Fig. S5 CCA reflected the relationship between metabolic enzymes (A, bacteria; D, fungi), physicochemical properties (B, bacteria; E, fungi), volatile aroma compounds (C, bacteria; F, fungi) and microbial community composition during cigar tobacco leaves fermentation.

