Biogeosciences Discuss.,
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Biogeosciences
Discussions

Interactive comment on "Plant n-alkane production from litterfall altered the diversity and community structure of alkane degrading bacteria in litter layer in lowland subtropical rainforest in Taiwan" *by* Tung-Yi Huang et al.

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We would like to appreciate referee #2 for the valid comments. Our responses have been submitted in an attached pdf, including the supplementary material.

Please also note the supplement to this comment:
https://www.biogeosciences-discuss.net/bg-2017-161/bg-2017-161-AC2-supplement.pdf

Interactive comment on Biogeosciences Discuss., https://doi.org/10.5194/bg-2017-161, 2017.

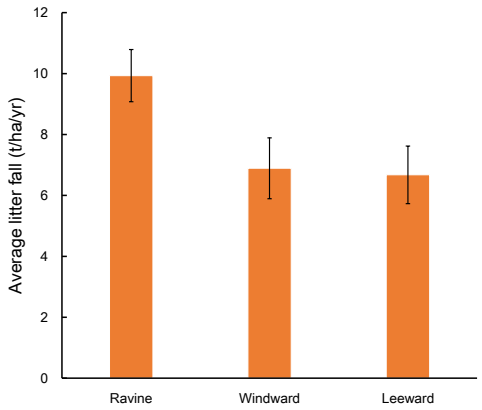

Figure 1. Annual litterfall in 3 habitats of Nanjenshan Reserve. Annual productions of litterfall in ravine habitat were higher than windward and leeward habitats ($p < 0.05$).

Figure 1

Fig. 1. Revised figure 1

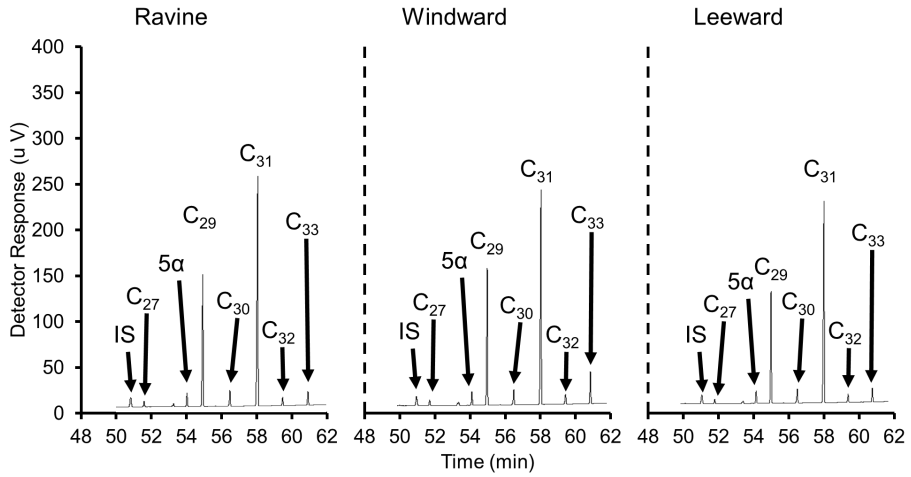

Figure 2. Representative GC-FID chromatograms of aliphatic hydrocarbons of *Iles rotunda* in each habitat.

Figure 1

Fig. 2. Revised figure 2

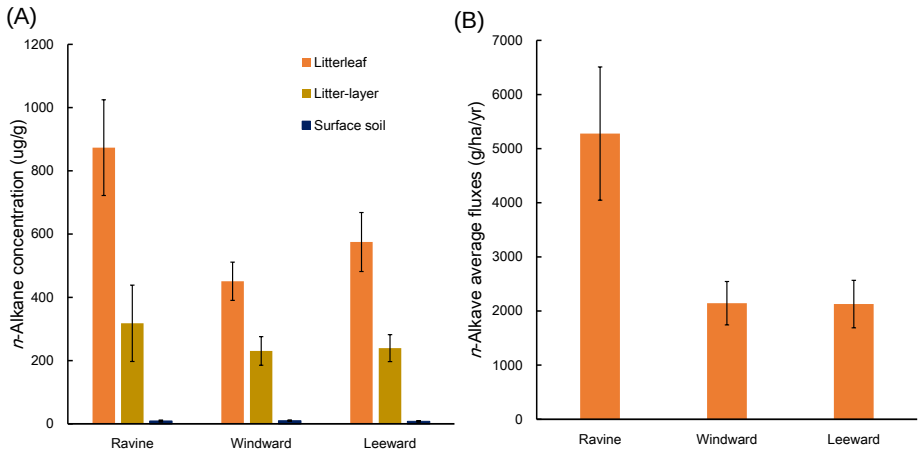

Figure 3. (A) *n*-Alkane concentration in litterleaf, litter-layer and surface soil. (B) Estimated annual *n*-alkane flux generated by litterleaf of litterfall in 3 habitats. Figure 1

Fig. 3. Revised figure 3

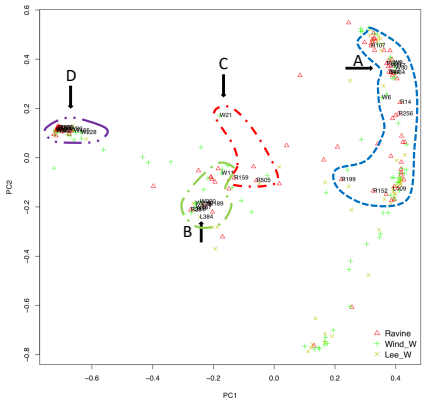

Figure 6. The PCoA plot of OTUs data in class. The circle areas in A, B, C and D are α–Proteobacteria, β–Proteobacteria, γ–Proteobacteria and Actinobacteria, respectively.

Figure 6

Fig. 4. Revised figure 6