

## ***Interactive comment on “Characterization of atmospheric bioaerosols along the transport pathway of Asian dust during the Dust-Bioaerosol 2016 Campaign” by Kai Tang et al.***

### **Anonymous Referee #3**

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This paper examines atmospheric bioaerosols at three sites downwind of the Gobi Desert in the Dust-Bioaerosol 2016. The authors found that the number of bacteria and the diversity of the bacterial communities increased significantly during the dust events by microscopic observations made with DAPI staining and MiSeq sequencing analysis. In general, this is a well-written paper that presents interesting data. It will be of interest to readers of this Journal, particularly researchers in the field.

Page 2, line 6: "proteobacteria" should be capitalized.

Page 8: The description of the methods of MiSeq sequencing should be limited. It would help readers if the authors gave a more detailed explanation.

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Page 10, line 18 to Page 11, lines 8, Fig. 6, and Table S1: The sample names contain a number of errors. Please check all sample names, including sampling information, and revise them accordingly.

Page 14, lines 11 and 14: "orders (and class level candidate taxa)" should be "orders (and order-level candidate taxa)".

Fig. 9: The authors should check the symbols in Fig. 9. "DAPI-stained bacteria" should be "Black particle" in Fig. 9 (a). In contrast, "Black particle" should be "DAPI-stained bacteria" in Fig. 9 (b).

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